

STREAM FLOW DATA for COLORADO

Water Years
1980 - 1990

Volume IV

Arkansas, Colorado and
San Juan River Basins

Compiled by the Hydrographic Branch
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ARKANSAS RIVER BASIN

LAKE FORK CREEK ABOVE TURQUOISE RESERVOIR (AKA SUGAR LOAF DAM) (1985)

LOCATION.--Lat 39°16'53" long 106°26'31", Lake County, SE¼SE¼NW¼ sec. 9, T.9 S., R.81W., on L. bank at upper end of Turquoise Reservoir.

GAGE.--Water-stage recorder. Elevation of gage 9,940 ft. from topographic map.

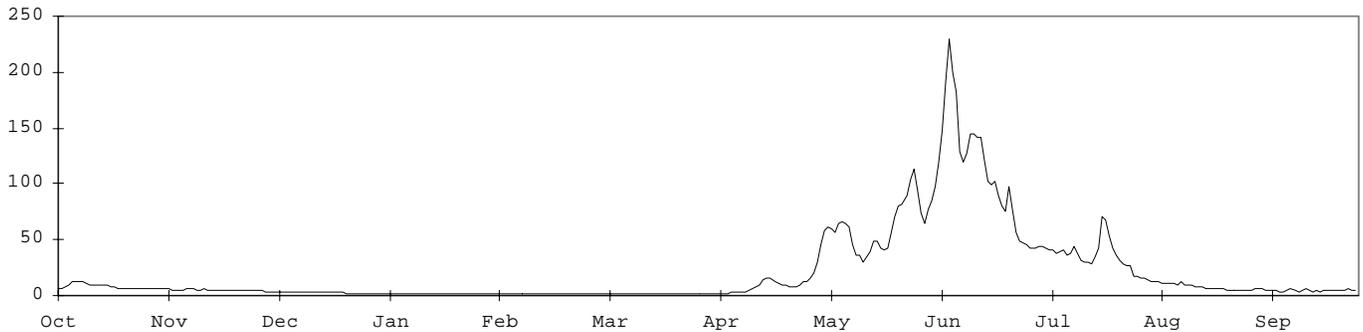
REMARKS.--Records fair except for periods of ice and missing gage-heights, which are poor.

RATING TABLE.--LKCTURCO02 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|------|------|-------|------|------|------|-------|-------|
| 1 | 7.0 | 5.9 | 3.4 | 2.0 | 1.2 | 1.2 | 1.2 | 20 | 65 | 43 | 16 | 5.1 |
| 2 | 7.0 | 5.1 | 3.2 | 2.0 | 1.2 | 1.2 | 1.4 | 30 | 77 | 43 | 15 | 6.4 |
| 3 | 7.3 | 5.4 | 3.0 | 2.0 | 1.4 | 1.0 | 1.8 | 46 | 85 | 44 | 14 | 6.7 |
| 4 | 10 | 5.1 | 3.0 | 2.0 | 1.4 | 1.0 | 2.0 | 58 | 97 | 44 | 13 | 6.4 |
| 5 | 12 | 4.8 | 2.8 | 2.0 | 1.4 | 1.0 | 2.0 | 62 | 119 | 43 | 12 | 5.4 |
| 6 | 12 | 5.6 | 2.8 | 2.0 | 1.4 | 1.0 | 1.8 | 60 | 148 | 41 | 12 | 4.8 |
| 7 | 12 | 5.6 | 2.8 | 1.8 | 1.4 | 1.0 | 2.0 | 57 | 192 | 41 | 11 | 4.5 |
| 8 | 12 | 5.6 | 2.8 | 1.8 | 1.2 | 1.0 | 2.4 | 65 | 230 | 38 | 11 | 4.3 |
| 9 | 11 | 4.8 | 2.8 | 1.8 | 1.0 | 1.0 | 2.8 | 66 | 199 | 40 | 11 | 3.6 |
| 10 | 10 | 5.1 | 2.8 | 1.8 | 1.0 | 1.0 | 2.6 | 64 | 182 | 41 | 11 | 3.4 |
| 11 | 9.5 | 5.9 | 2.8 | 2.0 | 1.0 | 1.0 | 2.8 | 61 | 129 | 36 | 10 | 4.8 |
| 12 | 9.5 | 4.8 | 2.8 | 1.8 | 1.0 | 1.0 | 3.0 | 46 | 119 | 38 | 12 | 6.4 |
| 13 | 9.2 | 4.5 | 2.8 | 1.6 | 1.0 | 1.0 | 4.3 | 36 | 127 | 44 | 10 | 4.5 |
| 14 | 9.2 | 4.3 | 2.8 | 1.4 | 1.0 | 1.0 | 5.9 | 36 | 144 | 38 | 9.2 | 3.8 |
| 15 | 8.8 | 4.0 | 2.8 | 1.4 | 1.0 | 1.0 | 8.5 | 30 | 144 | 32 | 8.8 | 5.4 |
| 16 | 8.5 | 4.0 | 2.8 | 1.4 | 1.0 | 1.0 | 10 | 34 | 142 | 30 | 7.9 | 5.9 |
| 17 | 8.2 | 4.0 | 2.8 | 1.4 | 1.0 | 1.2 | 14 | 40 | 142 | 30 | 7.6 | 4.5 |
| 18 | 7.0 | 4.0 | 2.6 | 1.4 | 1.0 | 1.2 | 15 | 48 | 121 | 29 | 7.3 | 3.8 |
| 19 | 6.4 | 4.0 | 2.6 | 1.4 | 1.0 | 1.2 | 15 | 48 | 102 | 34 | 7.0 | 4.3 |
| 20 | 6.7 | 4.0 | 2.6 | 1.2 | 1.0 | 1.2 | 13 | 42 | 99 | 43 | 6.7 | 3.8 |
| 21 | 6.7 | 4.0 | 2.2 | 1.2 | 1.0 | 1.2 | 11 | 41 | 102 | 71 | 6.7 | 4.0 |
| 22 | 7.0 | 4.0 | 2.2 | 1.2 | 1.0 | 1.0 | 9.8 | 42 | 90 | 68 | 6.7 | 4.0 |
| 23 | 7.0 | 4.3 | 2.2 | 1.2 | 1.0 | 1.0 | 9.2 | 56 | 80 | 53 | 6.2 | 4.5 |
| 24 | 6.7 | 4.3 | 2.2 | 1.2 | 1.0 | 1.0 | 8.5 | 70 | 76 | 43 | 5.6 | 4.3 |
| 25 | 6.4 | 4.3 | 2.2 | 1.2 | 1.0 | 1.0 | 8.2 | 80 | 97 | 36 | 5.1 | 4.0 |
| 26 | 6.4 | 4.0 | 2.2 | 1.2 | 1.0 | 1.4 | 8.2 | 82 | 77 | 32 | 5.1 | 4.5 |
| 27 | 6.4 | 4.0 | 2.0 | 1.2 | 1.0 | 1.2 | 9.8 | 90 | 57 | 29 | 5.4 | 4.8 |
| 28 | 6.4 | 3.4 | 2.0 | 1.2 | 1.0 | 1.4 | 12 | 104 | 48 | 27 | 5.4 | 5.6 |
| 29 | 6.4 | 3.4 | 2.0 | 1.2 | --- | 1.6 | 13 | 113 | 47 | 26 | 5.4 | 5.1 |
| 30 | 6.2 | 3.4 | 2.0 | 1.2 | --- | 1.4 | 15 | 95 | 46 | 18 | 5.1 | 5.1 |
| 31 | 6.2 | --- | 2.0 | 1.2 | --- | 1.2 | --- | 74 | --- | 17 | 4.8 | --- |
| TOTAL | 255.1 | 135.6 | 80.0 | 47.4 | 30.6 | 34.6 | 216.2 | 1796 | 3383 | 1192 | 274.0 | 143.7 |
| MEAN | 8.23 | 4.52 | 2.58 | 1.53 | 1.09 | 1.12 | 7.21 | 57.9 | 113 | 38.5 | 8.84 | 4.79 |
| AC-FT | 506 | 269 | 159 | 94 | 61 | 69 | 429 | 3560 | 6710 | 2360 | 543 | 285 |
| MAX | 12 | 5.9 | 3.4 | 2.0 | 1.4 | 1.6 | 15 | 113 | 230 | 71 | 16 | 6.7 |
| MIN | 6.2 | 3.4 | 2.0 | 1.2 | 1.0 | 1.0 | 1.2 | 20 | 46 | 17 | 4.8 | 3.4 |

WTR YR 1985 TOTAL 7588.2 MEAN 20.8 MAX 230 MIN 1.0 AC-FT 15050



ARKANSAS RIVER BASIN

LAKE FORK CREEK ABOVE TURQUOISE RESERVOIR (AKA SUGAR LOAF DAM) (1986)

LOCATION.--Lat 39°16'53" long 106°26'31", Lake County, SE¼SE¼NW¼ sec. 9, T.9 S., R.81W., on L. bank at upper end of Turquoise Reservoir.

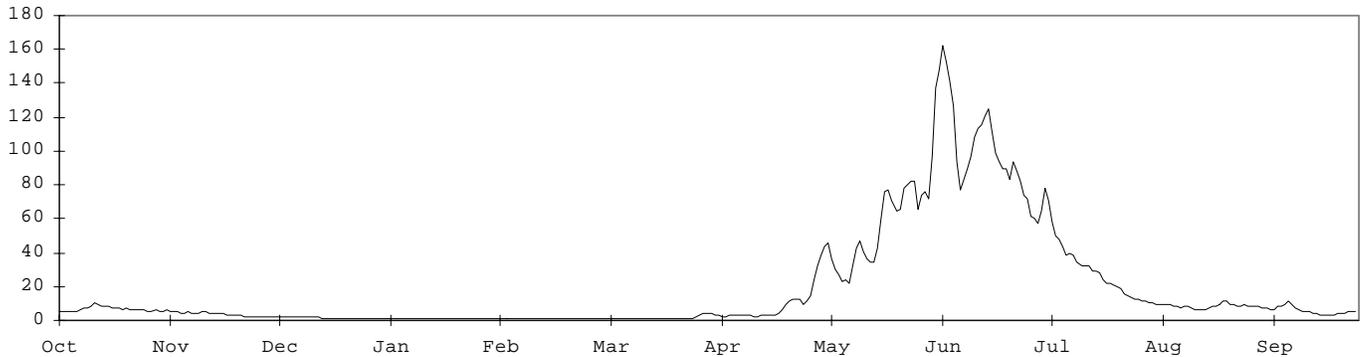
GAGE.--Water-stage recorder. Elevation of gage 9,940 ft. from topographic map.

REMARKS.--Records fair except for periods of ice and missing gage-heights, which are poor.

RATING TABLE.--LKCTURCO02 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|--------|-------|------|------|------|------|-------|------|-------|-------|-------|-------|
| 1 | 5.4 | 5.6 | 2.2 | 1.0 | 1.0 | 1.0 | 3.8 | 24 | 76 | 61 | 11 | 8.8 |
| 2 | 5.1 | 5.4 | 2.2 | 1.0 | 1.0 | 1.0 | 3.8 | 32 | 72 | 60 | 11 | 8.8 |
| 3 | 4.8 | 5.1 | 2.2 | 1.0 | 1.0 | 1.0 | 3.4 | 38 | 97 | 57 | 10 | 8.5 |
| 4 | 5.1 | 4.5 | 2.2 | 1.0 | 1.0 | 1.0 | 3.2 | 44 | 137 | 64 | 10 | 7.6 |
| 5 | 4.8 | 4.0 | 2.4 | 1.0 | 1.0 | 1.0 | 2.6 | 46 | 148 | 78 | 9.5 | 7.0 |
| 6 | 4.8 | 5.1 | 2.2 | 1.0 | 1.0 | 1.0 | 2.6 | 36 | 162 | 71 | 9.5 | 6.2 |
| 7 | 6.2 | 4.5 | 2.0 | 1.0 | 1.0 | 1.0 | 2.8 | 30 | 153 | 58 | 9.2 | 6.2 |
| 8 | 7.3 | 4.0 | 1.8 | 1.0 | 1.0 | 1.0 | 3.4 | 27 | 142 | 50 | 9.2 | 7.9 |
| 9 | 7.6 | 3.8 | 1.6 | 1.0 | 1.0 | 1.0 | 3.4 | 23 | 127 | 48 | 9.8 | 7.9 |
| 10 | 8.2 | 4.8 | 1.6 | 1.0 | 1.0 | 1.0 | 3.2 | 24 | 94 | 44 | 8.5 | 9.8 |
| 11 | 10 | 5.1 | 1.6 | 1.0 | 1.0 | 1.0 | 3.0 | 22 | 77 | 38 | 7.9 | 11 |
| 12 | 9.2 | 4.5 | 1.6 | 1.0 | 1.0 | 1.0 | 2.8 | 32 | 83 | 40 | 7.6 | 9.8 |
| 13 | 8.8 | 4.3 | 1.6 | 1.0 | 1.0 | 1.0 | 2.8 | 43 | 90 | 38 | 8.2 | 7.6 |
| 14 | 8.2 | 3.8 | 1.2 | 1.0 | 1.0 | 1.0 | 2.6 | 47 | 97 | 34 | 7.9 | 6.7 |
| 15 | 8.2 | 4.0 | 1.2 | 1.0 | 1.0 | 1.0 | 2.6 | 41 | 108 | 32 | 7.3 | 5.6 |
| 16 | 7.0 | 4.3 | 1.0 | 1.0 | 1.0 | 1.0 | 3.0 | 36 | 113 | 32 | 6.7 | 5.6 |
| 17 | 7.0 | 3.6 | 1.0 | 1.0 | 1.0 | 1.0 | 3.2 | 34 | 115 | 32 | 6.7 | 4.8 |
| 18 | 7.0 | 3.4 | 1.0 | 1.0 | 1.0 | 1.0 | 3.4 | 34 | 121 | 29 | 6.4 | 4.3 |
| 19 | 6.4 | 3.2 | 1.0 | 1.0 | 1.0 | 1.0 | 3.4 | 43 | 125 | 29 | 6.7 | 4.3 |
| 20 | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | 3.4 | 60 | 111 | 28 | 7.0 | 3.6 |
| 21 | 6.7 | 2.8 | 1.0 | 1.0 | 1.0 | 1.0 | 3.8 | 76 | 99 | 24 | 7.9 | 3.0 |
| 22 | 5.9 | 2.6 | 1.0 | 1.0 | 1.0 | 1.0 | 6.7 | 77 | 94 | 22 | 8.5 | 3.2 |
| 23 | 6.2 | 2.2 | 1.0 | 1.0 | 1.0 | 1.0 | 9.8 | 71 | 90 | 22 | 9.2 | 3.2 |
| 24 | 5.9 | 2.2 | 1.0 | 1.0 | 1.0 | 1.0 | 11 | 64 | 90 | 21 | 11 | 3.4 |
| 25 | 5.9 | 2.4 | 1.0 | 1.0 | 1.0 | 1.0 | 13 | 66 | 83 | 20 | 11 | 3.8 |
| 26 | 5.6 | 2.2 | 1.0 | 1.0 | 1.0 | 1.0 | 12 | 78 | 94 | 19 | 9.8 | 4.0 |
| 27 | 5.6 | 2.2 | 1.0 | 1.0 | 1.0 | 1.0 | 12 | 80 | 88 | 16 | 9.2 | 4.0 |
| 28 | 5.9 | 2.2 | 1.0 | 1.0 | 1.0 | 1.4 | 9.8 | 82 | 82 | 15 | 7.9 | 4.8 |
| 29 | 5.6 | 2.2 | 1.0 | 1.0 | --- | 2.4 | 11 | 82 | 74 | 14 | 8.2 | 5.4 |
| 30 | 5.6 | 2.2 | 1.0 | 1.0 | --- | 3.4 | 15 | 66 | 72 | 13 | 9.2 | 5.4 |
| 31 | 5.9 | --- | 1.0 | 1.0 | --- | 3.8 | --- | 74 | --- | 12 | 8.2 | --- |
| TOTAL | 202.9 | 109.2 | 43.6 | 31.0 | 28.0 | 38.0 | 166.5 | 1532 | 3114 | 1121 | 270.2 | 182.2 |
| MEAN | 6.55 | 3.64 | 1.41 | 1.00 | 1.00 | 1.23 | 5.55 | 49.4 | 104 | 36.2 | 8.72 | 6.07 |
| AC-FT | 402 | 217 | 86 | 61 | 56 | 75 | 330 | 3040 | 6180 | 2220 | 536 | 361 |
| MAX | 10 | 5.6 | 2.4 | 1.0 | 1.0 | 3.8 | 15 | 82 | 162 | 78 | 11 | 11 |
| MIN | 4.8 | 2.2 | 1.0 | 1.0 | 1.0 | 1.0 | 2.6 | 22 | 72 | 12 | 6.4 | 3.0 |
| CAL YR 1985 TOTAL | 7473.2 | | MEAN | 20.5 | MAX | 230 | MIN | 1.0 | AC-FT | 14820 | | |
| WTR YR 1986 TOTAL | 6838.6 | | MEAN | 18.7 | MAX | 162 | MIN | 1.0 | AC-FT | 13560 | | |



ARKANSAS RIVER BASIN

LAKE FORK CREEK ABOVE TURQUOISE RESERVOIR (AKA SUGAR LOAF DAM) (1987)

LOCATION.--Lat 39°16'53" long 106°26'31", Lake County, SE¼SE¼NW¼ sec. 9, T.9 S., R.81W., on L. bank at upper end of Turquoise Reservoir.

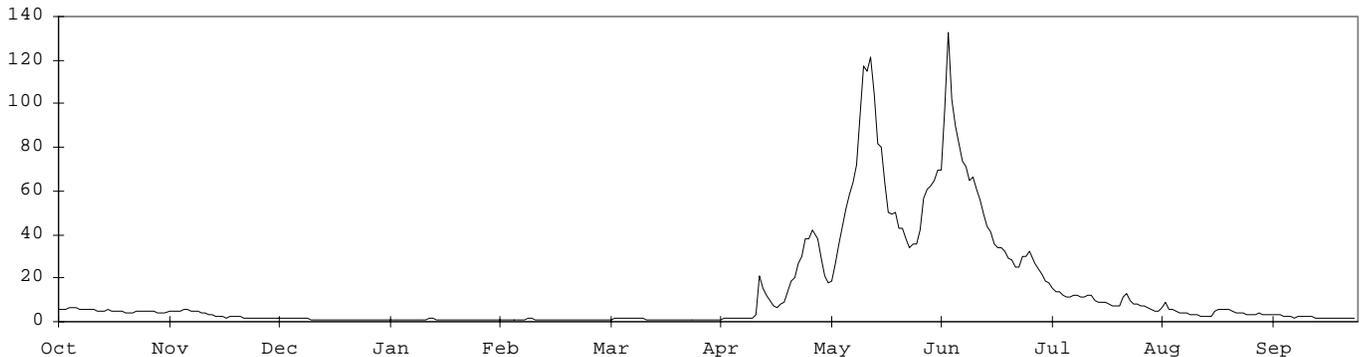
GAGE.--Water-stage recorder. Elevation of gage 9,940 ft. from topographic map.

REMARKS.--Records fair except for periods of ice and missing gage-heights, which are poor.

RATING TABLE.--LKCTURCO02 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|--------|------|------|------|------|-------|------|-------|-------|-------|------|
| 1 | 5.9 | 4.5 | 1.4 | 1.0 | 1.0 | 1.0 | 1.2 | 42 | 57 | 32 | 7.3 | 3.2 |
| 2 | 5.9 | 4.5 | 1.6 | 1.0 | 1.0 | 1.0 | 1.2 | 38 | 61 | 27 | 7.6 | 3.4 |
| 3 | 5.9 | 4.8 | 1.8 | 1.0 | 1.0 | 1.0 | 1.2 | 29 | 62 | 24 | 6.4 | 3.8 |
| 4 | 6.2 | 5.0 | 1.6 | 1.0 | 1.2 | 1.0 | 1.2 | 21 | 65 | 22 | 5.9 | 3.4 |
| 5 | 6.4 | 5.3 | 1.8 | 1.0 | 1.0 | 1.0 | 1.2 | 18 | 70 | 19 | 4.8 | 3.2 |
| 6 | 6.2 | 5.3 | 1.6 | 1.0 | 1.0 | 1.6 | 1.4 | 19 | 70 | 18 | 4.8 | 3.0 |
| 7 | 5.9 | 5.0 | 1.6 | 1.0 | 1.0 | 1.8 | 1.4 | 27 | 98 | 15 | 6.7 | 3.0 |
| 8 | 5.6 | 4.8 | 1.6 | 1.0 | 1.2 | 1.8 | 1.4 | 36 | 133 | 14 | 8.5 | 3.6 |
| 9 | 5.4 | 4.5 | 1.6 | 1.0 | 1.2 | 1.8 | 1.4 | 44 | 102 | 14 | 5.6 | 3.2 |
| 10 | 5.4 | 4.3 | 1.4 | 1.0 | 1.4 | 1.8 | 1.4 | 52 | 90 | 12 | 5.4 | 2.4 |
| 11 | 5.4 | 4.0 | 1.0 | 1.0 | 1.4 | 1.6 | 1.4 | 58 | 82 | 11 | 4.5 | 2.4 |
| 12 | 5.1 | 3.5 | 1.0 | 1.2 | 1.2 | 1.6 | 1.4 | 64 | 74 | 11 | 4.0 | 2.2 |
| 13 | 4.8 | 3.1 | 1.0 | 1.4 | 1.2 | 1.4 | 1.4 | 72 | 71 | 12 | 4.0 | 2.0 |
| 14 | 5.1 | 2.8 | 1.0 | 1.6 | 1.0 | 1.4 | 1.6 | 95 | 65 | 12 | 4.0 | 2.4 |
| 15 | 5.4 | 2.5 | 1.0 | 1.2 | 1.0 | 1.2 | 3.4 | 117 | 66 | 11 | 3.4 | 2.4 |
| 16 | 5.1 | 2.3 | 1.0 | 1.0 | 1.0 | 1.2 | 21 | 115 | 61 | 11 | 3.2 | 2.4 |
| 17 | 4.8 | 2.0 | 1.0 | 1.0 | 1.0 | 1.2 | 15 | 121 | 56 | 12 | 3.0 | 2.4 |
| 18 | 4.5 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 12 | 104 | 49 | 12 | 2.6 | 2.4 |
| 19 | 4.5 | 2.2 | 1.0 | 1.0 | 1.0 | 1.0 | 10 | 82 | 44 | 10 | 2.6 | 2.0 |
| 20 | 4.3 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 7.0 | 80 | 41 | 8.8 | 2.4 | 2.0 |
| 21 | 4.3 | 2.2 | 1.0 | 1.0 | 1.0 | 1.0 | 6.4 | 64 | 36 | 8.5 | 2.4 | 2.0 |
| 22 | 4.3 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 7.9 | 50 | 34 | 8.5 | 4.5 | 2.0 |
| 23 | 5.1 | 1.8 | 1.0 | 1.0 | 1.0 | 1.0 | 8.8 | 49 | 34 | 7.9 | 5.6 | 2.0 |
| 24 | 4.8 | 1.6 | 1.0 | 1.0 | 1.0 | 1.0 | 14 | 50 | 32 | 7.3 | 5.9 | 1.6 |
| 25 | 4.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.2 | 19 | 43 | 29 | 7.0 | 5.9 | 1.6 |
| 26 | 4.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.2 | 20 | 43 | 28 | 7.3 | 5.9 | 1.8 |
| 27 | 4.5 | 1.4 | 1.0 | 1.0 | 1.0 | 1.2 | 27 | 38 | 25 | 11 | 4.5 | 1.8 |
| 28 | 4.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.2 | 30 | 34 | 25 | 13 | 4.3 | 1.8 |
| 29 | 4.3 | 1.6 | 1.0 | 1.0 | --- | 1.2 | 38 | 36 | 30 | 10 | 4.0 | 1.8 |
| 30 | 4.3 | 1.5 | 1.0 | 1.0 | --- | 1.2 | 38 | 36 | 30 | 8.2 | 3.8 | 1.8 |
| 31 | 4.3 | --- | 1.0 | 1.0 | --- | 1.2 | --- | 42 | --- | 8.2 | 3.4 | --- |
| TOTAL | 157.2 | 91.2 | 37.0 | 32.4 | 29.8 | 38.8 | 296.3 | 1719 | 1720 | 404.7 | 146.9 | 73.0 |
| MEAN | 5.07 | 3.04 | 1.19 | 1.05 | 1.06 | 1.25 | 9.88 | 55.5 | 57.3 | 13.1 | 4.74 | 2.43 |
| AC-FT | 312 | 181 | 73 | 64 | 59 | 77 | 588 | 3410 | 3410 | 803 | 291 | 145 |
| MAX | 6.4 | 5.3 | 1.8 | 1.6 | 1.4 | 1.8 | 38 | 121 | 133 | 32 | 8.5 | 3.8 |
| MIN | 4.3 | 1.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 18 | 25 | 7.0 | 2.4 | 1.6 |
| CAL YR 1986 TOTAL | | 6768.3 | MEAN | 18.5 | MAX | 162 | MIN | 1.0 | AC-FT | 13420 | | |
| WTR YR 1987 TOTAL | | 4746.3 | MEAN | 13.0 | MAX | 133 | MIN | 1.0 | AC-FT | 9410 | | |



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1980)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

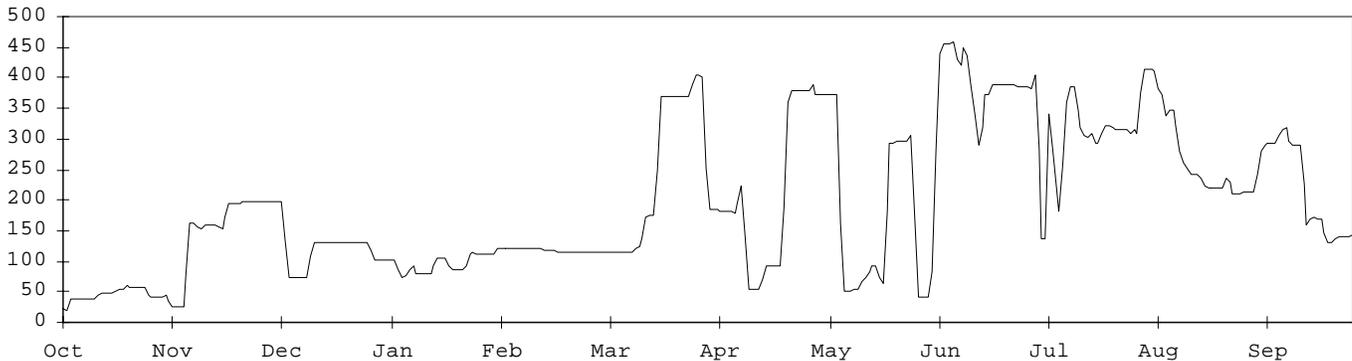
GAGE.--Water-stage recorder. Elevation of gage datum 9,720 ft. from topographic map.

RATING TABLE.--LFCBSLC004 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|------|-------|------|------|------|-------|-------|-------|-------|--------|-------|-------|
| 1 | 23 | 25 | 196 | 102 | 120 | 115 | 184 | 372 | 40 | 382 | 377 | 212 |
| 2 | 19 | 25 | 196 | 102 | 122 | 115 | 184 | 372 | 40 | 405 | 415 | 212 |
| 3 | 37 | 25 | 134 | 102 | 122 | 115 | 184 | 372 | 84 | 283 | 415 | 243 |
| 4 | 37 | 25 | 72 | 87 | 122 | 115 | 181 | 372 | 284 | 137 | 415 | 281 |
| 5 | 37 | 77 | 72 | 74 | 122 | 115 | 181 | 372 | 440 | 137 | 410 | 289 |
| 6 | 37 | 161 | 72 | 76 | 122 | 115 | 181 | 372 | 455 | 341 | 382 | 293 |
| 7 | 37 | 161 | 72 | 87 | 122 | 115 | 181 | 372 | 455 | 281 | 372 | 293 |
| 8 | 37 | 155 | 72 | 91 | 122 | 115 | 178 | 162 | 455 | 216 | 336 | 293 |
| 9 | 37 | 152 | 72 | 80 | 122 | 115 | 193 | 52 | 460 | 181 | 346 | 305 |
| 10 | 37 | 158 | 108 | 80 | 120 | 115 | 222 | 52 | 430 | 254 | 346 | 314 |
| 11 | 45 | 158 | 129 | 80 | 120 | 122 | 144 | 52 | 420 | 359 | 323 | 318 |
| 12 | 48 | 158 | 129 | 80 | 120 | 125 | 54 | 54 | 450 | 386 | 281 | 297 |
| 13 | 48 | 158 | 129 | 80 | 120 | 137 | 54 | 54 | 435 | 386 | 261 | 289 |
| 14 | 48 | 155 | 129 | 93 | 117 | 172 | 54 | 66 | 386 | 346 | 251 | 289 |
| 15 | 48 | 152 | 129 | 106 | 117 | 175 | 54 | 72 | 341 | 318 | 243 | 289 |
| 16 | 52 | 172 | 129 | 106 | 117 | 175 | 71 | 84 | 289 | 305 | 243 | 226 |
| 17 | 54 | 193 | 129 | 104 | 117 | 250 | 91 | 93 | 318 | 301 | 243 | 158 |
| 18 | 54 | 193 | 129 | 93 | 115 | 368 | 91 | 93 | 372 | 310 | 236 | 169 |
| 19 | 62 | 193 | 129 | 85 | 115 | 368 | 91 | 74 | 372 | 293 | 222 | 172 |
| 20 | 56 | 193 | 129 | 85 | 115 | 368 | 93 | 64 | 390 | 293 | 219 | 169 |
| 21 | 56 | 196 | 129 | 85 | 115 | 368 | 93 | 181 | 390 | 310 | 219 | 169 |
| 22 | 56 | 199 | 129 | 85 | 115 | 368 | 187 | 293 | 390 | 323 | 219 | 147 |
| 23 | 56 | 199 | 129 | 91 | 115 | 368 | 359 | 293 | 390 | 323 | 219 | 129 |
| 24 | 56 | 199 | 129 | 113 | 115 | 368 | 395 | 297 | 390 | 318 | 219 | 129 |
| 25 | 46 | 199 | 129 | 115 | 115 | 368 | 395 | 297 | 390 | 314 | 236 | 137 |
| 26 | 41 | 199 | 129 | 113 | 115 | 368 | 395 | 297 | 390 | 314 | 229 | 139 |
| 27 | 41 | 199 | 117 | 113 | 115 | 390 | 395 | 297 | 386 | 314 | 209 | 139 |
| 28 | 41 | 199 | 102 | 113 | 115 | 405 | 395 | 305 | 386 | 314 | 209 | 139 |
| 29 | 41 | 199 | 102 | 113 | 115 | 405 | 395 | 179 | 386 | 308 | 209 | 139 |
| 30 | 46 | 196 | 102 | 113 | --- | 400 | 390 | 40 | 386 | 314 | 212 | 142 |
| 31 | 34 | --- | 102 | 113 | --- | 253 | --- | 40 | --- | 310 | 212 | --- |
| TOTAL | 1367 | 4673 | 3655 | 2960 | 3424 | 7471 | 6065 | 6095 | 10800 | 9376 | 8728 | 6520 |
| MEAN | 44.1 | 156 | 118 | 95.5 | 118 | 241 | 202 | 197 | 360 | 302 | 282 | 217 |
| AC-FT | 2710 | 9270 | 7250 | 5870 | 6790 | 14820 | 12030 | 12090 | 21420 | 18600 | 17310 | 12930 |
| MAX | 62 | 199 | 196 | 115 | 122 | 405 | 395 | 372 | 460 | 405 | 415 | 318 |
| MIN | 19 | 25 | 72 | 74 | 115 | 115 | 54 | 40 | 40 | 137 | 209 | 129 |
| CAL YR 1979 TOTAL | | 56845 | MEAN | 155 | MAX | 415 | MIN | 3.7 | AC-FT | 112800 | | |
| WTR YR 1980 TOTAL | | 71134 | MEAN | 194 | MAX | 460 | MIN | 19 | AC-FT | 141100 | | |

MAX DISCH 475 CFS AT 09:30 05-JUN-1980 GH 2.04 FT. SHIFT +.12 FT. MAX GH 2.04 FT. AT 09:30 05-JUN-1980



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1981)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

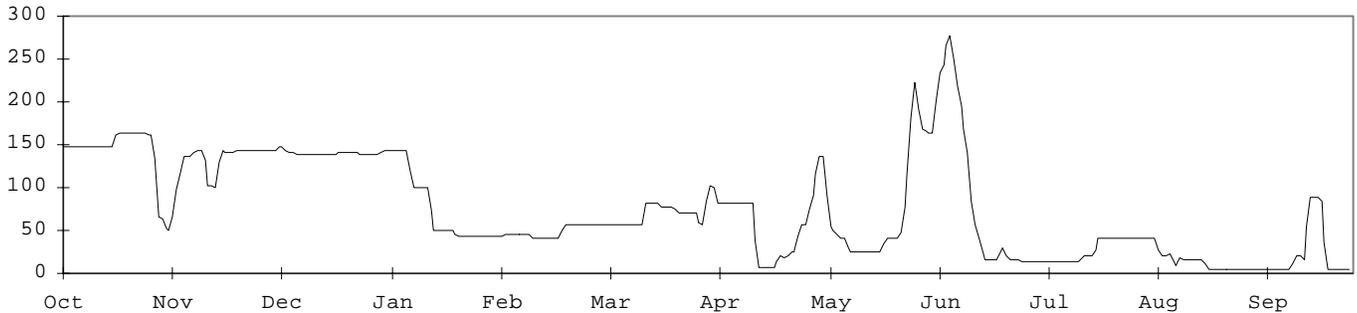
GAGE.--Water-stage recorder. Elevation of gage datum 9,720 ft. from topographic map.

RATING TABLE.--LFCBSLC004 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|------|---------|------|------|------|------|--------|------|-------|--------|-------|-------|
| 1 | 147 | 67 | 147 | 144 | 44 | 56 | 85 | 91 | 169 | 14 | 41 | 4.0 |
| 2 | 147 | 97 | 147 | 144 | 44 | 56 | 102 | 115 | 166 | 14 | 41 | 4.0 |
| 3 | 147 | 117 | 144 | 144 | 45 | 56 | 100 | 137 | 163 | 14 | 41 | 4.0 |
| 4 | 147 | 137 | 142 | 144 | 45 | 56 | 95 | 137 | 163 | 14 | 41 | 4.0 |
| 5 | 147 | 137 | 142 | 144 | 45 | 56 | 95 | 91 | 203 | 14 | 41 | 4.0 |
| 6 | 147 | 137 | 139 | 144 | 45 | 56 | 95 | 54 | 233 | 14 | 41 | 4.0 |
| 7 | 147 | 142 | 139 | 120 | 45 | 56 | 95 | 50 | 243 | 14 | 28 | 4.0 |
| 8 | 147 | 144 | 139 | 100 | 45 | 56 | 95 | 45 | 265 | 14 | 21 | 4.0 |
| 9 | 147 | 144 | 139 | 100 | 45 | 56 | 95 | 41 | 277 | 14 | 21 | 4.0 |
| 10 | 147 | 132 | 139 | 100 | 45 | 56 | 95 | 41 | 251 | 14 | 22 | 4.0 |
| 11 | 147 | 102 | 139 | 100 | 42 | 56 | 95 | 29 | 219 | 14 | 13 | 4.0 |
| 12 | 147 | 102 | 139 | 100 | 41 | 56 | 95 | 24 | 196 | 14 | 9.3 | 4.0 |
| 13 | 147 | 100 | 139 | 72 | 41 | 56 | 95 | 24 | 169 | 14 | 18 | 4.0 |
| 14 | 147 | 129 | 139 | 50 | 41 | 56 | 95 | 25 | 142 | 14 | 16 | 11 |
| 15 | 147 | 144 | 139 | 50 | 41 | 82 | 38 | 26 | 85 | 14 | 16 | 20 |
| 16 | 161 | 142 | 139 | 50 | 41 | 82 | 7.5 | 26 | 56 | 16 | 16 | 20 |
| 17 | 163 | 142 | 139 | 50 | 41 | 82 | 7.5 | 26 | 42 | 20 | 16 | 17 |
| 18 | 163 | 142 | 142 | 50 | 41 | 82 | 7.5 | 26 | 26 | 20 | 15 | 54 |
| 19 | 163 | 144 | 142 | 50 | 51 | 78 | 7.5 | 26 | 15 | 20 | 15 | 89 |
| 20 | 163 | 144 | 142 | 45 | 57 | 78 | 7.5 | 26 | 15 | 27 | 11 | 89 |
| 21 | 163 | 144 | 142 | 44 | 57 | 78 | 14 | 34 | 15 | 42 | 4.3 | 89 |
| 22 | 163 | 144 | 142 | 44 | 57 | 78 | 20 | 41 | 15 | 42 | 4.6 | 85 |
| 23 | 163 | 144 | 142 | 44 | 57 | 76 | 19 | 41 | 25 | 42 | 4.6 | 37 |
| 24 | 163 | 144 | 139 | 44 | 57 | 71 | 21 | 41 | 29 | 42 | 4.6 | 4.9 |
| 25 | 161 | 144 | 139 | 44 | 57 | 71 | 24 | 41 | 20 | 42 | 4.6 | 5.3 |
| 26 | 161 | 144 | 139 | 44 | 57 | 71 | 24 | 48 | 16 | 42 | 4.6 | 5.3 |
| 27 | 135 | 144 | 139 | 44 | 56 | 71 | 44 | 78 | 16 | 42 | 4.3 | 5.3 |
| 28 | 66 | 144 | 139 | 44 | 56 | 71 | 56 | 115 | 16 | 42 | 4.0 | 5.3 |
| 29 | 64 | 144 | 139 | 44 | --- | 71 | 56 | 181 | 14 | 42 | 4.0 | 5.3 |
| 30 | 52 | 144 | 142 | 44 | --- | 60 | 76 | 222 | 13 | 41 | 4.0 | 5.3 |
| 31 | 50 | --- | 144 | 44 | --- | 56 | --- | 190 | --- | 41 | 4.0 | --- |
| TOTAL | 4359 | 3985 | 4362 | 2385 | 1339 | 2042 | 1761.5 | 2092 | 3277 | 773 | 530.9 | 599.7 |
| MEAN | 141 | 133 | 141 | 76.9 | 47.8 | 65.9 | 58.7 | 67.5 | 109 | 24.9 | 17.1 | 20.0 |
| AC-FT | 8650 | 7900 | 8650 | 4730 | 2660 | 4050 | 3490 | 4150 | 6500 | 1530 | 1050 | 1190 |
| MAX | 163 | 144 | 147 | 144 | 57 | 82 | 102 | 222 | 277 | 42 | 41 | 89 |
| MIN | 50 | 67 | 139 | 44 | 41 | 56 | 7.5 | 24 | 13 | 14 | 4.0 | 4.0 |
| CAL YR 1980 TOTAL | | 74145 | MEAN | 203 | MAX | 460 | MIN | 40 | AC-FT | 147100 | | |
| WTR YR 1981 TOTAL | | 27506.1 | MEAN | 75.4 | MAX | 277 | MIN | 4.0 | AC-FT | 54560 | | |

MAX DISCH 297 CFS AT 13:30 08-JUN-1981 GH 1.73 FT. SHIFT +.05 FT. MAX GH 1.73 FT. AT 13:30 08-JUN-1981



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1982)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

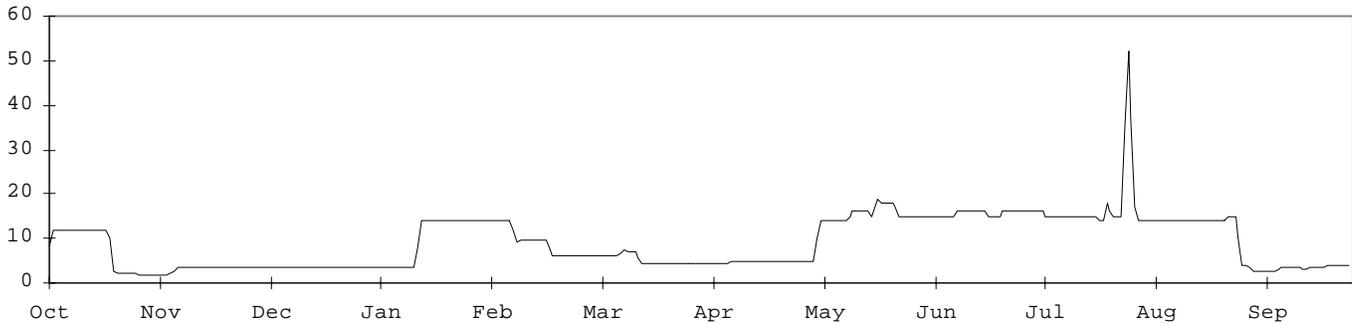
GAGE.--Water-stage recorder. Elevation of gage datum 9,720 ft. from topographic map.

RATING TABLE.--LFCBSLC004 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 8.5 | 1.7 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 15 | 16 | 17 | 4.0 |
| 2 | 12 | 1.7 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 15 | 16 | 14 | 3.4 |
| 3 | 12 | 1.7 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 15 | 16 | 14 | 2.6 |
| 4 | 12 | 2.1 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 10 | 15 | 16 | 14 | 2.6 |
| 5 | 12 | 2.6 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 14 | 15 | 16 | 14 | 2.6 |
| 6 | 12 | 3.4 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 14 | 15 | 16 | 14 | 2.6 |
| 7 | 12 | 3.4 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 14 | 15 | 15 | 14 | 2.6 |
| 8 | 12 | 3.4 | 3.4 | 3.4 | 12 | 6.1 | 4.3 | 14 | 15 | 15 | 14 | 2.6 |
| 9 | 12 | 3.4 | 3.4 | 3.4 | 9.0 | 6.1 | 4.3 | 14 | 15 | 15 | 14 | 2.8 |
| 10 | 12 | 3.4 | 3.4 | 3.4 | 9.5 | 6.5 | 4.6 | 14 | 15 | 15 | 14 | 3.1 |
| 11 | 12 | 3.4 | 3.4 | 3.4 | 9.5 | 7.5 | 4.6 | 14 | 15 | 15 | 14 | 3.4 |
| 12 | 12 | 3.4 | 3.4 | 7.8 | 9.5 | 7.0 | 4.6 | 14 | 16 | 15 | 14 | 3.4 |
| 13 | 12 | 3.4 | 3.4 | 14 | 9.5 | 7.0 | 4.6 | 15 | 16 | 15 | 14 | 3.4 |
| 14 | 12 | 3.4 | 3.4 | 14 | 9.5 | 7.0 | 4.6 | 16 | 16 | 15 | 14 | 3.4 |
| 15 | 12 | 3.4 | 3.4 | 14 | 9.5 | 5.7 | 4.6 | 16 | 16 | 15 | 14 | 3.4 |
| 16 | 12 | 3.4 | 3.4 | 14 | 9.5 | 4.3 | 4.9 | 16 | 16 | 15 | 14 | 3.4 |
| 17 | 12 | 3.4 | 3.4 | 14 | 9.5 | 4.3 | 4.9 | 16 | 16 | 15 | 14 | 3.1 |
| 18 | 10 | 3.4 | 3.4 | 14 | 7.5 | 4.3 | 4.9 | 16 | 16 | 15 | 14 | 3.1 |
| 19 | 2.6 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 15 | 16 | 15 | 14 | 3.4 |
| 20 | 2.1 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 16 | 16 | 15 | 14 | 3.4 |
| 21 | 2.1 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 19 | 15 | 15 | 14 | 3.4 |
| 22 | 2.1 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 18 | 15 | 14 | 14 | 3.4 |
| 23 | 2.1 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 18 | 15 | 14 | 14 | 3.4 |
| 24 | 2.1 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 18 | 15 | 18 | 14 | 4.0 |
| 25 | 2.1 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 18 | 16 | 16 | 14 | 4.0 |
| 26 | 1.9 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 17 | 16 | 15 | 14 | 4.0 |
| 27 | 1.9 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 15 | 16 | 15 | 15 | 4.0 |
| 28 | 1.9 | 3.4 | 3.4 | 14 | 6.1 | 4.3 | 4.9 | 15 | 16 | 15 | 15 | 4.0 |
| 29 | 1.9 | 3.4 | 3.4 | 14 | --- | 4.3 | 4.9 | 15 | 16 | 36 | 15 | 4.0 |
| 30 | 1.9 | 3.4 | 3.4 | 14 | --- | 4.3 | 4.9 | 15 | 16 | 52 | 10 | 4.0 |
| 31 | 1.9 | --- | 3.4 | 14 | --- | 4.3 | --- | 15 | --- | 37 | 4.0 | --- |
| TOTAL | 237.1 | 94.8 | 105.4 | 311.2 | 263.5 | 164.4 | 139.8 | 445.7 | 465 | 553 | 426.0 | 100.5 |
| MEAN | 7.65 | 3.16 | 3.40 | 10.0 | 9.41 | 5.30 | 4.66 | 14.4 | 15.5 | 17.8 | 13.7 | 3.35 |
| AC-FT | 470 | 188 | 209 | 617 | 523 | 326 | 277 | 884 | 922 | 1100 | 845 | 199 |
| MAX | 12 | 3.4 | 3.4 | 14 | 14 | 7.5 | 4.9 | 19 | 16 | 52 | 17 | 4.0 |
| MIN | 1.9 | 1.7 | 3.4 | 3.4 | 6.1 | 4.3 | 4.3 | 4.9 | 15 | 14 | 4.0 | 2.6 |
| CAL YR 1981 TOTAL | | 15237.4 | MEAN | 41.7 | MAX | 277 | MIN | 1.7 | AC-FT | 30220 | | |
| WTR YR 1982 TOTAL | | 3306.4 | MEAN | 9.06 | MAX | 52 | MIN | 1.7 | AC-FT | 6560 | | |

MAX DISCH 100 CFS AT 15:00 21-MAY-1982 GH 1.10 FT. SHIFT +.03 FT. MAX GH 1.10 FT. AT 15:00 21-MAY-1982



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1983)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

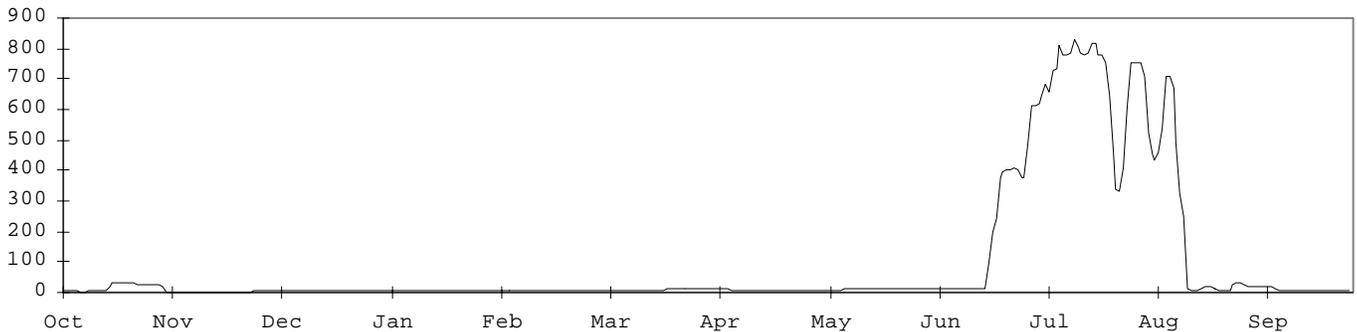
GAGE.--Water-stage recorder. Elevation of gage datum 9,720 ft. from topographic map.

RATING TABLE.--LFCBSLC004 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 1 | 4.0 | 2.8 | 6.1 | 5.3 | 4.6 | 5.7 | 10 | 3.7 | 14 | 485 | 755 | 16 |
| 2 | 4.0 | 2.8 | 6.1 | 5.3 | 4.6 | 5.7 | 10 | 3.7 | 14 | 615 | 755 | 16 |
| 3 | 4.0 | 3.1 | 5.7 | 5.3 | 4.6 | 5.7 | 10 | 4.0 | 14 | 615 | 706 | 16 |
| 4 | 4.0 | 3.1 | 5.7 | 5.3 | 4.6 | 5.7 | 10 | 3.4 | 14 | 622 | 525 | 16 |
| 5 | 3.7 | 3.1 | 5.7 | 4.9 | 4.6 | 5.7 | 10 | 4.8 | 14 | 643 | 455 | 16 |
| 6 | 3.1 | 3.1 | 5.7 | 4.6 | 4.6 | 5.7 | 10 | 3.7 | 14 | 685 | 435 | 16 |
| 7 | 3.1 | 2.8 | 5.7 | 4.9 | 4.6 | 5.7 | 10 | 3.7 | 14 | 657 | 460 | 16 |
| 8 | 3.4 | 2.8 | 5.7 | 4.9 | 4.6 | 5.7 | 8.5 | 3.7 | 14 | 727 | 537 | 16 |
| 9 | 4.6 | 2.8 | 5.7 | 4.6 | 4.6 | 5.7 | 6.1 | 8.4 | 14 | 734 | 706 | 14 |
| 10 | 4.6 | 3.1 | 5.7 | 4.6 | 4.6 | 5.7 | 6.1 | 14 | 14 | 811 | 706 | 9.0 |
| 11 | 4.9 | 3.1 | 5.7 | 4.6 | 4.6 | 5.7 | 5.7 | 15 | 14 | 779 | 671 | 9.0 |
| 12 | 4.9 | 3.1 | 5.7 | 4.6 | 4.6 | 5.7 | 5.7 | 15 | 15 | 779 | 490 | 8.5 |
| 13 | 4.9 | 3.1 | 5.7 | 4.6 | 4.6 | 5.7 | 5.7 | 15 | 15 | 787 | 323 | 8.5 |
| 14 | 16 | 3.1 | 5.7 | 4.6 | 4.3 | 5.7 | 5.7 | 15 | 15 | 827 | 251 | 8.5 |
| 15 | 34 | 3.1 | 5.7 | 4.6 | 4.6 | 5.7 | 5.7 | 15 | 15 | 803 | 11 | 8.5 |
| 16 | 32 | 3.1 | 5.7 | 4.6 | 4.3 | 5.7 | 5.7 | 15 | 15 | 787 | 9.0 | 8.5 |
| 17 | 32 | 3.1 | 5.7 | 4.6 | 4.3 | 5.7 | 5.7 | 15 | 15 | 779 | 9.0 | 8.0 |
| 18 | 32 | 2.8 | 5.7 | 4.6 | 4.3 | 5.7 | 5.7 | 14 | 15 | 787 | 9.0 | 8.0 |
| 19 | 32 | 2.8 | 5.7 | 4.6 | 4.3 | 5.7 | 5.7 | 14 | 15 | 819 | 14 | 8.0 |
| 20 | 32 | 2.8 | 5.7 | 4.6 | 4.3 | 5.7 | 5.7 | 14 | 93 | 819 | 16 | 8.5 |
| 21 | 31 | 2.8 | 5.7 | 4.6 | 4.3 | 9.6 | 5.7 | 14 | 196 | 779 | 16 | 7.0 |
| 22 | 28 | 2.8 | 5.7 | 4.6 | 4.3 | 14 | 5.7 | 14 | 240 | 779 | 16 | 7.0 |
| 23 | 28 | 2.8 | 5.7 | 4.6 | 4.6 | 14 | 5.7 | 14 | 377 | 755 | 14 | 7.0 |
| 24 | 27 | 4.0 | 5.7 | 4.6 | 4.9 | 13 | 5.7 | 14 | 395 | 643 | 8.5 | 7.0 |
| 25 | 27 | 5.3 | 5.7 | 4.6 | 5.7 | 11 | 5.7 | 14 | 400 | 460 | 8.0 | 7.0 |
| 26 | 27 | 5.3 | 5.7 | 4.6 | 5.7 | 10 | 5.7 | 14 | 405 | 341 | 8.0 | 7.0 |
| 27 | 27 | 5.3 | 5.7 | 4.6 | 5.7 | 10 | 4.6 | 14 | 410 | 332 | 9.5 | 7.0 |
| 28 | 27 | 5.3 | 5.7 | 4.6 | 5.7 | 10 | 3.7 | 14 | 405 | 410 | 26 | 7.0 |
| 29 | 18 | 5.7 | 5.7 | 4.6 | --- | 10 | 3.7 | 14 | 377 | 609 | 32 | 7.0 |
| 30 | 3.1 | 6.1 | 5.7 | 4.6 | --- | 10 | 3.7 | 14 | 377 | 755 | 32 | 7.0 |
| 31 | 2.8 | --- | 5.3 | 4.6 | --- | 10 | --- | 14 | --- | 755 | 25 | --- |
| TOTAL | 509.1 | 105.0 | 177.1 | 146.3 | 131.1 | 235.6 | 197.6 | 354.1 | 3949 | 21178 | 8038.0 | 305.0 |
| MEAN | 16.4 | 3.50 | 5.71 | 4.72 | 4.68 | 7.60 | 6.59 | 11.4 | 132 | 683 | 259 | 10.2 |
| AC-FT | 1010 | 208 | 351 | 290 | 260 | 467 | 392 | 702 | 7830 | 42010 | 15940 | 605 |
| MAX | 34 | 6.1 | 6.1 | 5.3 | 5.7 | 14 | 10 | 15 | 410 | 827 | 755 | 16 |
| MIN | 2.8 | 2.8 | 5.3 | 4.6 | 4.3 | 5.7 | 3.7 | 3.4 | 14 | 332 | 8.0 | 7.0 |
| CAL YR 1982 TOTAL | | 3660.3 | MEAN | 10.0 | MAX | 52 | MIN | 2.6 | AC-FT | 7260 | | |
| WTR YR 1983 TOTAL | | 35325.9 | MEAN | 96.8 | MAX | 827 | MIN | 2.8 | AC-FT | 70070 | | |

MAX DISCH 1020 CFS AT 21:30 08-JUL-1983 GH 2.95 FT. SHIFT -.03 FT. MAX GH 2.95 FT. AT 21:30 08-JUL-1983



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1984)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

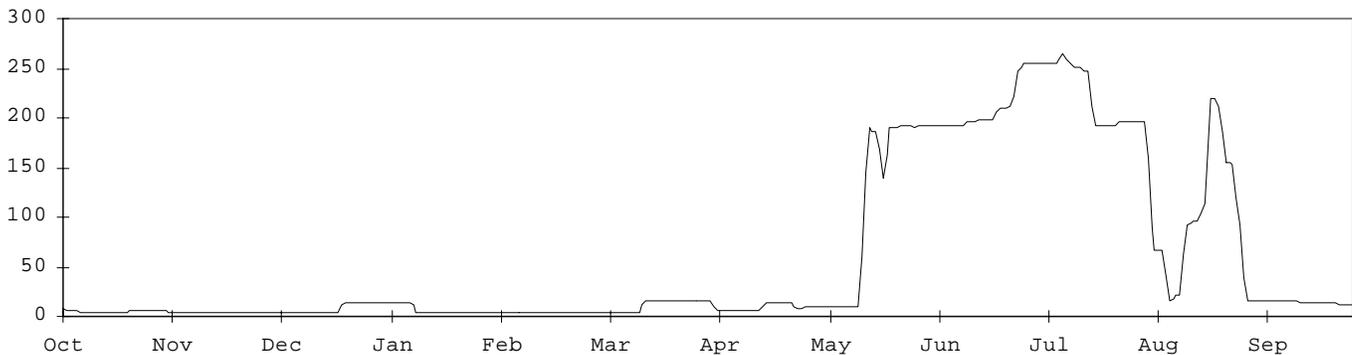
GAGE.--Water-stage recorder. Elevation of gage datum 9,720 ft. from topographic map.

RATING TABLE.--LFCBSLC004 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|---------|-------|-------|-------|-------|-------|--------|-------|-------|------|------|
| 1 | 7.0 | 3.4 | 3.1 | 13 | 3.1 | 4.0 | 16 | 9.0 | 193 | 254 | 196 | 16 |
| 2 | 6.5 | 3.4 | 3.1 | 13 | 3.1 | 4.0 | 9.5 | 9.0 | 193 | 254 | 196 | 16 |
| 3 | 6.5 | 3.4 | 3.1 | 13 | 3.1 | 4.0 | 5.7 | 9.0 | 193 | 254 | 158 | 16 |
| 4 | 6.5 | 3.4 | 3.1 | 13 | 3.1 | 4.0 | 5.7 | 9.2 | 193 | 254 | 89 | 15 |
| 5 | 5.7 | 3.4 | 3.1 | 13 | 3.1 | 4.0 | 5.7 | 9.0 | 193 | 254 | 67 | 15 |
| 6 | 4.6 | 3.4 | 3.1 | 13 | 3.1 | 4.0 | 5.7 | 9.0 | 193 | 254 | 67 | 15 |
| 7 | 4.0 | 3.4 | 3.1 | 13 | 3.1 | 4.0 | 5.7 | 9.0 | 193 | 254 | 67 | 16 |
| 8 | 4.3 | 3.4 | 3.1 | 11 | 3.1 | 4.0 | 5.7 | 9.0 | 193 | 254 | 42 | 16 |
| 9 | 4.3 | 3.4 | 3.1 | 4.0 | 3.1 | 4.0 | 5.7 | 9.0 | 193 | 258 | 15 | 16 |
| 10 | 4.3 | 3.1 | 3.1 | 3.7 | 3.1 | 4.0 | 5.3 | 9.0 | 193 | 265 | 17 | 16 |
| 11 | 4.9 | 3.1 | 3.1 | 3.7 | 3.1 | 4.3 | 5.3 | 9.0 | 193 | 258 | 21 | 16 |
| 12 | 4.9 | 3.1 | 3.1 | 3.7 | 3.4 | 4.3 | 5.3 | 9.0 | 193 | 254 | 22 | 15 |
| 13 | 4.6 | 3.1 | 3.1 | 3.7 | 3.4 | 11 | 5.3 | 9.0 | 196 | 251 | 62 | 15 |
| 14 | 4.6 | 3.1 | 3.1 | 3.7 | 3.4 | 16 | 5.3 | 60 | 196 | 251 | 93 | 15 |
| 15 | 4.6 | 3.1 | 3.1 | 3.7 | 3.4 | 16 | 5.3 | 146 | 196 | 251 | 95 | 14 |
| 16 | 4.6 | 3.1 | 3.1 | 3.4 | 3.4 | 16 | 9.2 | 190 | 199 | 247 | 97 | 14 |
| 17 | 4.6 | 3.1 | 3.1 | 3.4 | 3.7 | 16 | 14 | 187 | 199 | 247 | 97 | 14 |
| 18 | 4.9 | 3.1 | 3.1 | 3.4 | 3.7 | 16 | 14 | 187 | 199 | 212 | 104 | 13 |
| 19 | 4.9 | 3.1 | 11 | 3.4 | 3.7 | 16 | 14 | 169 | 199 | 193 | 113 | 13 |
| 20 | 5.7 | 3.1 | 13 | 3.4 | 3.7 | 16 | 14 | 139 | 199 | 193 | 184 | 13 |
| 21 | 5.7 | 3.1 | 13 | 3.4 | 4.0 | 16 | 14 | 163 | 206 | 193 | 219 | 13 |
| 22 | 5.7 | 3.1 | 13 | 3.1 | 4.0 | 16 | 14 | 190 | 209 | 193 | 219 | 13 |
| 23 | 5.7 | 3.1 | 13 | 3.1 | 4.0 | 16 | 14 | 190 | 209 | 193 | 212 | 13 |
| 24 | 5.7 | 3.1 | 13 | 3.1 | 4.0 | 16 | 14 | 190 | 209 | 193 | 187 | 13 |
| 25 | 5.7 | 3.1 | 13 | 3.1 | 4.0 | 16 | 10 | 193 | 212 | 193 | 155 | 13 |
| 26 | 5.7 | 3.1 | 13 | 3.1 | 4.0 | 16 | 8.5 | 193 | 222 | 196 | 155 | 12 |
| 27 | 5.7 | 3.1 | 13 | 3.1 | 4.0 | 16 | 8.5 | 193 | 247 | 196 | 152 | 12 |
| 28 | 5.7 | 3.1 | 13 | 3.1 | 4.0 | 16 | 9.0 | 193 | 251 | 196 | 120 | 12 |
| 29 | 6.1 | 3.1 | 13 | 3.1 | 4.0 | 16 | 9.0 | 190 | 254 | 196 | 93 | 12 |
| 30 | 6.1 | 3.1 | 13 | 3.1 | --- | 16 | 9.0 | 193 | 254 | 196 | 40 | 12 |
| 31 | 4.9 | --- | 13 | 3.1 | --- | 16 | --- | 193 | --- | 196 | 16 | --- |
| TOTAL | 164.7 | 95.7 | 222.8 | 179.6 | 101.9 | 347.6 | 272.4 | 3276.2 | 6172 | 7053 | 3370 | 424 |
| MEAN | 5.31 | 3.19 | 7.19 | 5.79 | 3.51 | 11.2 | 9.08 | 106 | 206 | 228 | 109 | 14.1 |
| AC-FT | 327 | 190 | 442 | 356 | 202 | 689 | 540 | 6500 | 12240 | 13990 | 6680 | 841 |
| MAX | 7.0 | 3.4 | 13 | 13 | 4.0 | 16 | 16 | 193 | 254 | 265 | 219 | 16 |
| MIN | 4.0 | 3.1 | 3.1 | 3.1 | 3.1 | 4.0 | 5.3 | 9.0 | 193 | 193 | 15 | 12 |
| CAL YR 1983 TOTAL | | 35017.9 | MEAN | 95.9 | MAX | 827 | MIN | 3.1 | AC-FT | 69460 | | |
| WTR YR 1984 TOTAL | | 21679.9 | MEAN | 59.2 | MAX | 265 | MIN | 3.1 | AC-FT | 43000 | | |

MAX DISCH 297 CFS AT 09:00 10-JUL-1984 GH 1.74 FT. SHIFT +.04 FT. MAX GH 1.74 FT. AT 09:00 10-JUL-1984



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1985)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

GAGE.--Water-stage recorder. Elevation of gage datum 9,720 ft. from topographic map.

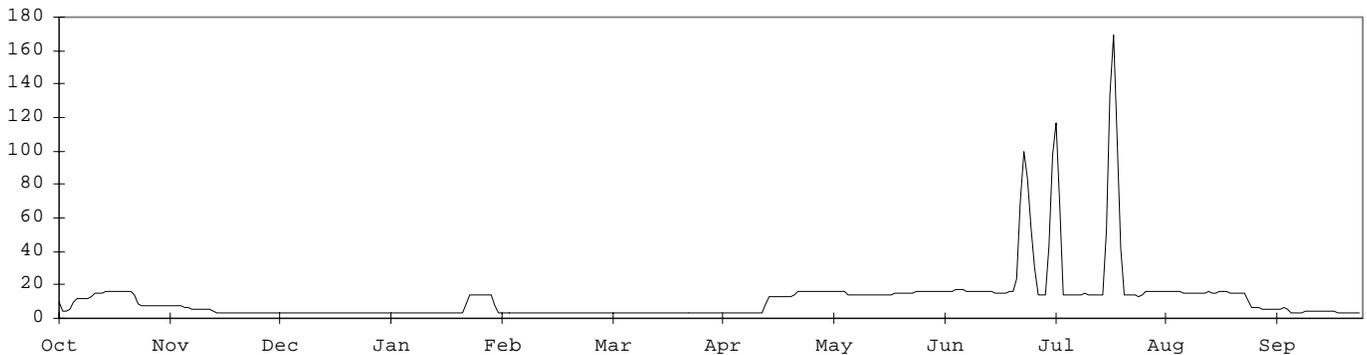
RATING TABLE.--LFCBSLCO04 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|------|------|-------|------|------|------|-------|-------|
| 1 | 10 | 7.0 | 3.4 | 3.4 | 3.1 | 2.8 | 2.8 | 16 | 16 | 30 | 16 | 6.1 |
| 2 | 4.3 | 7.0 | 3.4 | 3.4 | 3.1 | 2.8 | 2.8 | 16 | 16 | 14 | 16 | 6.1 |
| 3 | 4.3 | 7.0 | 3.4 | 3.4 | 3.1 | 2.8 | 3.1 | 16 | 16 | 14 | 16 | 5.7 |
| 4 | 4.9 | 7.0 | 3.4 | 3.4 | 3.1 | 2.8 | 3.4 | 16 | 16 | 14 | 16 | 5.7 |
| 5 | 9.5 | 6.5 | 3.4 | 3.4 | 3.1 | 2.8 | 3.4 | 16 | 16 | 43 | 16 | 5.7 |
| 6 | 12 | 6.1 | 3.4 | 3.4 | 3.1 | 2.8 | 3.4 | 16 | 16 | 97 | 16 | 5.7 |
| 7 | 12 | 4.9 | 3.4 | 3.4 | 3.1 | 2.8 | 3.4 | 16 | 16 | 117 | 16 | 5.7 |
| 8 | 12 | 4.9 | 3.4 | 3.4 | 3.1 | 2.8 | 3.4 | 16 | 16 | 67 | 16 | 5.7 |
| 9 | 12 | 4.9 | 3.4 | 3.4 | 3.1 | 2.8 | 2.8 | 16 | 17 | 14 | 16 | 6.1 |
| 10 | 13 | 4.9 | 3.4 | 3.4 | 3.1 | 2.8 | 2.8 | 14 | 17 | 14 | 16 | 4.9 |
| 11 | 15 | 4.9 | 3.4 | 3.4 | 3.1 | 2.8 | 2.8 | 14 | 17 | 14 | 16 | 3.7 |
| 12 | 15 | 4.9 | 3.4 | 3.4 | 3.1 | 2.8 | 2.8 | 14 | 16 | 14 | 15 | 3.7 |
| 13 | 15 | 4.3 | 3.4 | 3.4 | 3.1 | 2.8 | 2.8 | 14 | 16 | 14 | 15 | 3.7 |
| 14 | 16 | 3.1 | 3.4 | 3.4 | 3.1 | 2.8 | 2.8 | 14 | 16 | 14 | 15 | 3.7 |
| 15 | 16 | 3.1 | 3.4 | 3.4 | 3.1 | 2.8 | 2.8 | 14 | 16 | 15 | 15 | 4.0 |
| 16 | 16 | 3.1 | 3.4 | 3.4 | 3.1 | 2.8 | 2.8 | 14 | 16 | 14 | 15 | 4.0 |
| 17 | 16 | 3.1 | 3.4 | 3.4 | 3.1 | 2.8 | 8.5 | 14 | 16 | 14 | 15 | 4.0 |
| 18 | 16 | 3.4 | 3.4 | 3.4 | 3.1 | 2.8 | 13 | 14 | 16 | 14 | 15 | 4.0 |
| 19 | 16 | 3.4 | 3.4 | 3.4 | 3.1 | 2.8 | 13 | 14 | 16 | 14 | 16 | 4.0 |
| 20 | 16 | 3.4 | 3.4 | 3.4 | 3.1 | 2.8 | 13 | 14 | 15 | 14 | 15 | 4.0 |
| 21 | 16 | 3.4 | 3.4 | 3.7 | 2.8 | 2.8 | 13 | 14 | 15 | 53 | 15 | 4.0 |
| 22 | 14 | 3.4 | 3.4 | 3.7 | 2.8 | 2.8 | 13 | 14 | 15 | 134 | 16 | 4.0 |
| 23 | 9.0 | 3.4 | 3.4 | 9.1 | 2.8 | 2.8 | 13 | 15 | 15 | 169 | 16 | 4.0 |
| 24 | 7.5 | 3.4 | 3.4 | 14 | 2.8 | 2.8 | 13 | 15 | 16 | 108 | 16 | 3.7 |
| 25 | 7.0 | 3.4 | 3.4 | 14 | 2.8 | 2.8 | 14 | 15 | 16 | 42 | 15 | 3.7 |
| 26 | 7.0 | 3.4 | 3.4 | 14 | 2.8 | 2.8 | 16 | 15 | 24 | 14 | 15 | 3.7 |
| 27 | 7.0 | 3.4 | 3.4 | 14 | 2.8 | 2.8 | 16 | 15 | 70 | 14 | 15 | 3.7 |
| 28 | 7.0 | 3.4 | 3.4 | 14 | 2.8 | 2.8 | 16 | 15 | 100 | 14 | 15 | 3.7 |
| 29 | 7.0 | 3.4 | 3.4 | 14 | --- | 3.1 | 16 | 16 | 84 | 14 | 15 | 3.7 |
| 30 | 7.0 | 3.4 | 3.4 | 14 | --- | 2.8 | 16 | 16 | 54 | 13 | 11 | 3.7 |
| 31 | 7.0 | --- | 3.4 | 7.0 | --- | 2.8 | --- | 16 | --- | 14 | 6.1 | --- |
| TOTAL | 346.5 | 130.9 | 105.4 | 189.5 | 84.4 | 87.1 | 241.6 | 464 | 731 | 1154 | 467.1 | 134.1 |
| MEAN | 11.2 | 4.36 | 3.40 | 6.11 | 3.01 | 2.81 | 8.05 | 15.0 | 24.4 | 37.2 | 15.1 | 4.47 |
| AC-FT | 687 | 260 | 209 | 376 | 167 | 173 | 479 | 920 | 1450 | 2290 | 926 | 266 |
| MAX | 16 | 7.0 | 3.4 | 14 | 3.1 | 3.1 | 16 | 16 | 100 | 169 | 16 | 6.1 |
| MIN | 4.3 | 3.1 | 3.4 | 3.4 | 2.8 | 2.8 | 2.8 | 14 | 15 | 13 | 6.1 | 3.7 |

CAL YR 1984 TOTAL 21779.5 MEAN 59.5 MAX 265 MIN 3.1 AC-FT 43200
WTR YR 1985 TOTAL 4135.6 MEAN 11.3 MAX 169 MIN 2.8 AC-FT 8200

MAX DISCH 190 CFS AT 1400 22-JUL-1985 GH 1.50 FT. SHIFT -0.02 FT. MAX GH 1.50 FT. AT 1400 22-JUL-1985



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1986)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

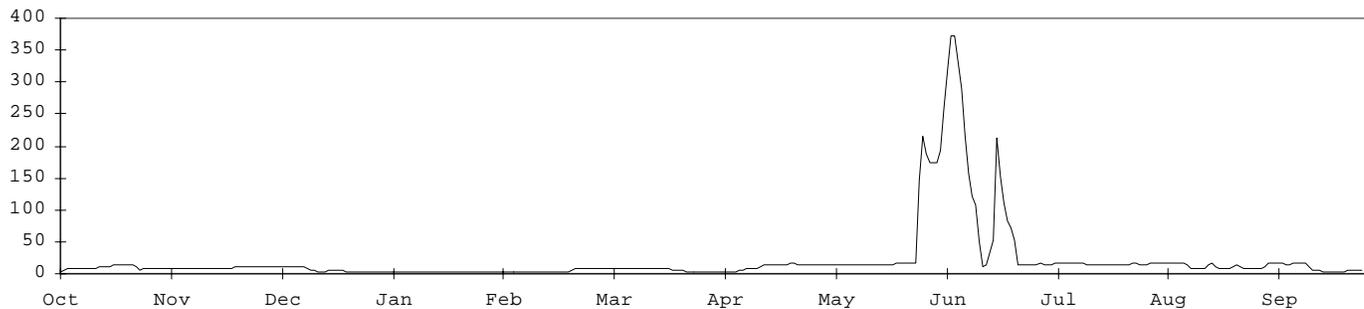
GAGE.--Water-stage recorder and satellite telemetry. Elevation of gage datum 9,720 ft. from topographic map.

RATING TABLE.--LFCBSLC004 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|--------|-------|------|-------|-------|-------|------|-------|-------|-------|-------|
| 1 | 3.7 | 7.5 | 12 | 3.1 | 2.6 | 8.5 | 2.6 | 14 | 175 | 14 | 15 | 9.0 |
| 2 | 4.3 | 7.0 | 12 | 3.1 | 2.6 | 8.5 | 2.8 | 14 | 175 | 16 | 16 | 9.0 |
| 3 | 7.5 | 7.0 | 12 | 3.1 | 2.6 | 8.5 | 2.8 | 14 | 175 | 15 | 16 | 11 |
| 4 | 7.5 | 7.0 | 12 | 3.1 | 2.6 | 8.5 | 2.8 | 14 | 193 | 15 | 16 | 16 |
| 5 | 7.5 | 7.5 | 12 | 3.1 | 2.6 | 8.5 | 2.8 | 14 | 258 | 15 | 16 | 16 |
| 6 | 7.5 | 7.5 | 12 | 3.1 | 2.6 | 8.5 | 2.8 | 14 | 318 | 16 | 16 | 16 |
| 7 | 7.5 | 7.0 | 12 | 3.1 | 2.6 | 8.5 | 2.6 | 15 | 372 | 16 | 16 | 16 |
| 8 | 7.5 | 7.0 | 12 | 3.1 | 2.6 | 8.5 | 2.8 | 15 | 373 | 16 | 16 | 16 |
| 9 | 7.5 | 7.0 | 7.2 | 3.1 | 2.6 | 8.5 | 4.5 | 15 | 332 | 16 | 16 | 15 |
| 10 | 7.5 | 7.0 | 4.3 | 3.1 | 2.6 | 8.5 | 5.7 | 14 | 289 | 16 | 16 | 15 |
| 11 | 9.0 | 7.0 | 4.3 | 2.8 | 2.6 | 8.5 | 9.5 | 14 | 216 | 16 | 16 | 16 |
| 12 | 10 | 7.0 | 4.0 | 2.8 | 2.6 | 8.5 | 9.5 | 14 | 158 | 16 | 13 | 16 |
| 13 | 10 | 7.0 | 4.0 | 3.1 | 2.6 | 9.0 | 9.6 | 14 | 122 | 16 | 9.5 | 16 |
| 14 | 10 | 7.5 | 4.0 | 3.1 | 2.6 | 8.5 | 9.5 | 14 | 108 | 16 | 9.5 | 16 |
| 15 | 11 | 7.5 | 4.3 | 2.6 | 2.6 | 8.5 | 12 | 14 | 50 | 15 | 9.5 | 11 |
| 16 | 15 | 7.5 | 4.3 | 2.6 | 2.6 | 8.5 | 15 | 14 | 12 | 15 | 9.5 | 6.1 |
| 17 | 15 | 7.5 | 4.3 | 2.6 | 2.6 | 8.5 | 15 | 15 | 13 | 15 | 9.5 | 6.1 |
| 18 | 15 | 7.5 | 4.3 | 2.6 | 2.6 | 8.5 | 15 | 14 | 34 | 15 | 13 | 4.9 |
| 19 | 15 | 10 | 4.3 | 2.6 | 2.8 | 8.5 | 15 | 14 | 53 | 15 | 16 | 4.0 |
| 20 | 15 | 12 | 4.0 | 2.6 | 3.4 | 8.5 | 15 | 14 | 212 | 15 | 12 | 4.0 |
| 21 | 15 | 12 | 4.0 | 2.6 | 5.7 | 5.9 | 15 | 14 | 152 | 15 | 8.0 | 4.0 |
| 22 | 10 | 12 | 4.0 | 2.6 | 8.0 | 4.3 | 15 | 14 | 111 | 15 | 8.0 | 3.7 |
| 23 | 6.5 | 12 | 3.7 | 2.6 | 8.0 | 4.3 | 16 | 16 | 82 | 15 | 8.0 | 3.4 |
| 24 | 7.0 | 12 | 3.1 | 2.6 | 8.0 | 4.3 | 16 | 17 | 71 | 15 | 8.0 | 3.7 |
| 25 | 7.0 | 12 | 3.1 | 2.6 | 8.0 | 3.5 | 14 | 17 | 52 | 15 | 12 | 3.7 |
| 26 | 7.0 | 12 | 3.1 | 2.6 | 8.0 | 2.6 | 14 | 17 | 14 | 15 | 13 | 4.3 |
| 27 | 7.0 | 12 | 3.1 | 2.6 | 8.0 | 2.6 | 14 | 17 | 13 | 15 | 10 | 4.9 |
| 28 | 7.0 | 12 | 3.1 | 2.6 | 8.0 | 2.7 | 14 | 17 | 13 | 16 | 9.0 | 4.9 |
| 29 | 7.0 | 12 | 3.1 | 2.6 | --- | 2.7 | 14 | 145 | 14 | 16 | 9.0 | 4.9 |
| 30 | 7.0 | 12 | 3.1 | 2.6 | --- | 2.6 | 14 | 216 | 14 | 15 | 9.0 | 4.9 |
| 31 | 7.0 | --- | 3.1 | 2.6 | --- | 2.6 | --- | 187 | --- | 15 | 9.0 | --- |
| TOTAL | 280.5 | 272.0 | 185.8 | 87.0 | 114.7 | 208.6 | 303.3 | 961 | 4174 | 476 | 379.5 | 281.5 |
| MEAN | 9.05 | 9.07 | 5.99 | 2.81 | 4.10 | 6.73 | 10.1 | 31.0 | 139 | 15.4 | 12.2 | 9.38 |
| AC-FT | 556 | 540 | 369 | 173 | 228 | 414 | 602 | 1910 | 8280 | 944 | 753 | 558 |
| MAX | 15 | 12 | 12 | 3.1 | 8.0 | 9.0 | 16 | 216 | 373 | 16 | 16 | 16 |
| MIN | 3.7 | 7.0 | 3.1 | 2.6 | 2.6 | 2.6 | 2.6 | 14 | 12 | 14 | 8.0 | 3.4 |
| CAL YR 1985 TOTAL | | 4291.1 | MEAN | 11.8 | MAX | 169 | MIN | 2.8 | AC-FT | 8510 | | |
| WTR YR 1986 TOTAL | | 7723.9 | MEAN | 21.2 | MAX | 373 | MIN | 2.6 | AC-FT | 15320 | | |

MAX DISCH 400 CFS AT 2300 07-JUN-1986 GH 2.00 FT. SHIFT 0.01 FT. MAX GH 2.00 FT. AT 2300 07-JUN-1986



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1987)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

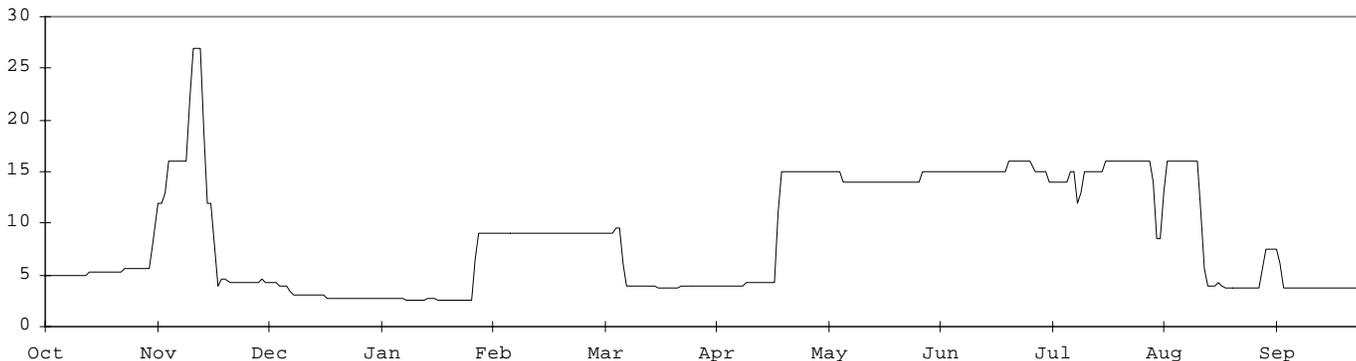
GAGE.--Water-stage recorder and satellite telemetry. Elevation of gage datum 9,720 ft. from topographic map.

RATING TABLE.--LFCBSLC004 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|--------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| 1 | 4.9 | 12 | 4.3 | 2.8 | 9.0 | 9.0 | 4.0 | 15 | 15 | 16 | 16 | 3.7 |
| 2 | 4.9 | 12 | 4.3 | 2.8 | 9.0 | 9.0 | 4.0 | 15 | 15 | 15 | 16 | 3.7 |
| 3 | 4.9 | 13 | 4.3 | 2.8 | 9.0 | 9.0 | 4.0 | 15 | 15 | 15 | 16 | 5.7 |
| 4 | 4.9 | 16 | 4.3 | 2.8 | 9.0 | 9.0 | 4.0 | 15 | 15 | 15 | 14 | 7.5 |
| 5 | 4.9 | 16 | 4.0 | 2.8 | 9.0 | 9.0 | 4.0 | 15 | 15 | 15 | 8.5 | 7.5 |
| 6 | 4.9 | 16 | 4.0 | 2.8 | 9.0 | 9.0 | 4.0 | 15 | 15 | 14 | 8.5 | 7.5 |
| 7 | 4.9 | 16 | 4.0 | 2.8 | 9.0 | 9.0 | 4.0 | 15 | 15 | 14 | 13 | 7.5 |
| 8 | 4.9 | 16 | 3.4 | 2.8 | 9.0 | 9.5 | 4.0 | 15 | 15 | 14 | 16 | 6.1 |
| 9 | 4.9 | 16 | 3.1 | 2.6 | 9.0 | 9.5 | 4.0 | 15 | 15 | 14 | 16 | 3.7 |
| 10 | 4.9 | 22 | 3.1 | 2.6 | 9.0 | 6.1 | 4.0 | 14 | 15 | 14 | 16 | 3.7 |
| 11 | 4.9 | 27 | 3.1 | 2.6 | 9.0 | 4.0 | 4.0 | 14 | 15 | 14 | 16 | 3.7 |
| 12 | 4.9 | 27 | 3.1 | 2.6 | 9.0 | 4.0 | 4.0 | 14 | 15 | 15 | 16 | 3.7 |
| 13 | 5.3 | 27 | 3.1 | 2.6 | 9.0 | 4.0 | 4.3 | 14 | 15 | 15 | 16 | 3.7 |
| 14 | 5.3 | 19 | 3.1 | 2.6 | 9.0 | 4.0 | 4.3 | 14 | 15 | 12 | 16 | 3.7 |
| 15 | 5.3 | 12 | 3.1 | 2.8 | 9.0 | 4.0 | 4.3 | 14 | 15 | 13 | 16 | 3.7 |
| 16 | 5.3 | 12 | 3.1 | 2.8 | 9.0 | 4.0 | 4.3 | 14 | 15 | 15 | 16 | 3.7 |
| 17 | 5.3 | 8.0 | 3.1 | 2.8 | 9.0 | 4.0 | 4.3 | 14 | 15 | 15 | 11 | 3.7 |
| 18 | 5.3 | 4.0 | 2.8 | 2.6 | 9.0 | 4.0 | 4.3 | 14 | 15 | 15 | 5.7 | 3.7 |
| 19 | 5.3 | 4.6 | 2.8 | 2.6 | 9.0 | 4.0 | 4.3 | 14 | 15 | 15 | 4.0 | 3.7 |
| 20 | 5.3 | 4.6 | 2.8 | 2.6 | 9.0 | 3.7 | 4.3 | 14 | 15 | 15 | 4.0 | 3.7 |
| 21 | 5.3 | 4.3 | 2.8 | 2.6 | 9.0 | 3.7 | 4.3 | 14 | 15 | 15 | 4.0 | 3.7 |
| 22 | 5.3 | 4.3 | 2.8 | 2.6 | 9.0 | 3.7 | 11 | 14 | 15 | 16 | 4.3 | 3.7 |
| 23 | 5.7 | 4.3 | 2.8 | 2.6 | 9.0 | 3.7 | 15 | 14 | 15 | 16 | 4.0 | 3.7 |
| 24 | 5.7 | 4.3 | 2.8 | 2.6 | 9.0 | 3.7 | 15 | 14 | 15 | 16 | 3.7 | 3.7 |
| 25 | 5.7 | 4.3 | 2.8 | 2.6 | 9.0 | 3.7 | 15 | 14 | 16 | 16 | 3.7 | 3.7 |
| 26 | 5.7 | 4.3 | 2.8 | 2.6 | 9.0 | 4.0 | 15 | 14 | 16 | 16 | 3.7 | 3.7 |
| 27 | 5.7 | 4.3 | 2.8 | 2.6 | 9.0 | 4.0 | 15 | 14 | 16 | 16 | 3.7 | 3.7 |
| 28 | 5.7 | 4.3 | 2.8 | 6.4 | 9.0 | 4.0 | 15 | 14 | 16 | 16 | 3.7 | 3.7 |
| 29 | 5.7 | 4.3 | 2.8 | 9.0 | --- | 4.0 | 15 | 14 | 16 | 16 | 3.7 | 3.7 |
| 30 | 5.7 | 4.6 | 2.8 | 9.0 | --- | 4.0 | 15 | 14 | 16 | 16 | 3.7 | 3.7 |
| 31 | 8.0 | --- | 2.8 | 9.0 | --- | 4.0 | --- | 14 | --- | 16 | 3.7 | --- |
| TOTAL | 165.4 | 343.5 | 99.7 | 105.8 | 252.0 | 170.3 | 217.7 | 443 | 456 | 465 | 302.6 | 130.6 |
| MEAN | 5.34 | 11.4 | 3.22 | 3.41 | 9.00 | 5.49 | 7.26 | 14.3 | 15.2 | 15.0 | 9.76 | 4.35 |
| AC-FT | 328 | 681 | 198 | 210 | 500 | 338 | 432 | 879 | 904 | 922 | 600 | 259 |
| MAX | 8.0 | 27 | 4.3 | 9.0 | 9.0 | 9.5 | 15 | 15 | 16 | 16 | 16 | 7.5 |
| MIN | 4.9 | 4.0 | 2.8 | 2.6 | 9.0 | 3.7 | 4.0 | 14 | 15 | 12 | 3.7 | 3.7 |
| CAL YR 1986 TOTAL | | 7594.2 | MEAN | 20.8 | MAX | 373 | MIN | 2.6 | AC-FT | 15060 | | |
| WTR YR 1987 TOTAL | | 3151.6 | MEAN | 8.63 | MAX | 27 | MIN | 2.6 | AC-FT | 6250 | | |

MAX DISCH 27 CFS AT 1400 10-NOV-1986 GH 0.67 FT. SHIFT 0.00 FT. MAX GH 0.67 FT. AT 1400 10-NOV-1986



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1988)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

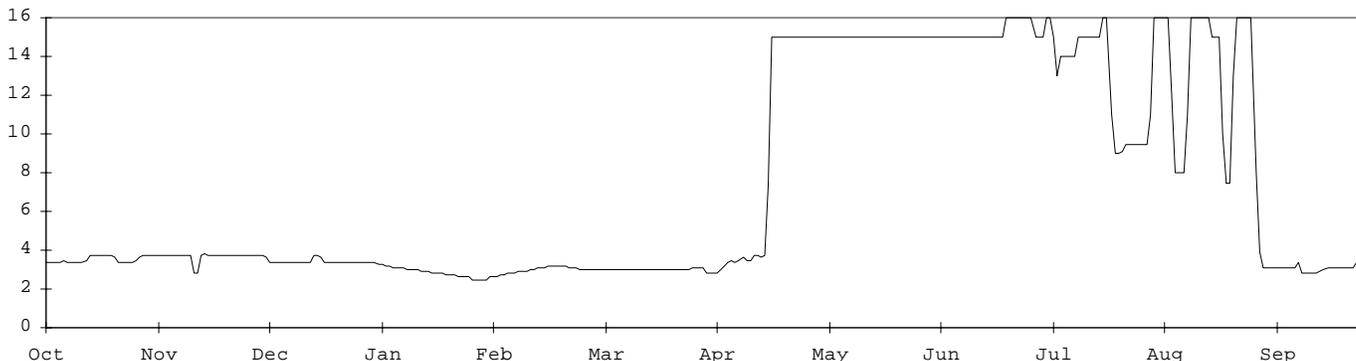
GAGE.--Water-stage recorder and satellite telemetry. Elevation of gage datum 9,720 ft. from topographic map.

RATING TABLE.-- LFCBSLCO04 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|--------|-------|------|------|------|-------|------|-------|-------|-------|------|
| 1 | 3.4 | 3.7 | 3.6 | 3.3 | 2.6 | 3.0 | 2.8 | 15 | 15 | 15 | 9.5 | 3.9 |
| 2 | 3.4 | 3.7 | 3.4 | 3.3 | 2.6 | 3.0 | 2.8 | 15 | 15 | 15 | 11 | 3.1 |
| 3 | 3.4 | 3.7 | 3.4 | 3.2 | 2.6 | 3.0 | 2.8 | 15 | 15 | 15 | 16 | 3.1 |
| 4 | 3.4 | 3.7 | 3.4 | 3.2 | 2.7 | 3.0 | 2.8 | 15 | 15 | 16 | 16 | 3.1 |
| 5 | 3.4 | 3.7 | 3.4 | 3.1 | 2.7 | 3.0 | 3.0 | 15 | 15 | 16 | 16 | 3.1 |
| 6 | 3.5 | 3.7 | 3.4 | 3.1 | 2.8 | 3.0 | 3.2 | 15 | 15 | 15 | 16 | 3.1 |
| 7 | 3.4 | 3.7 | 3.4 | 3.1 | 2.8 | 3.0 | 3.4 | 15 | 15 | 13 | 16 | 3.1 |
| 8 | 3.4 | 3.7 | 3.4 | 3.1 | 2.8 | 3.0 | 3.5 | 15 | 15 | 14 | 12 | 3.1 |
| 9 | 3.4 | 3.7 | 3.4 | 3.0 | 2.9 | 3.0 | 3.4 | 15 | 15 | 14 | 8.0 | 3.1 |
| 10 | 3.4 | 3.7 | 3.4 | 3.0 | 2.9 | 3.0 | 3.5 | 15 | 15 | 14 | 8.0 | 3.1 |
| 11 | 3.4 | 2.8 | 3.4 | 3.0 | 2.9 | 3.0 | 3.6 | 15 | 15 | 14 | 8.0 | 3.1 |
| 12 | 3.5 | 2.8 | 3.4 | 3.0 | 3.0 | 3.0 | 3.5 | 15 | 15 | 14 | 11 | 3.4 |
| 13 | 3.7 | 3.7 | 3.4 | 2.9 | 3.0 | 3.0 | 3.5 | 15 | 15 | 15 | 16 | 2.8 |
| 14 | 3.7 | 3.8 | 3.7 | 2.9 | 3.1 | 3.0 | 3.7 | 15 | 15 | 15 | 16 | 2.8 |
| 15 | 3.7 | 3.7 | 3.7 | 2.9 | 3.1 | 3.0 | 3.7 | 15 | 15 | 15 | 16 | 2.8 |
| 16 | 3.7 | 3.7 | 3.6 | 2.8 | 3.1 | 3.0 | 3.6 | 15 | 15 | 15 | 16 | 2.8 |
| 17 | 3.7 | 3.7 | 3.4 | 2.8 | 3.2 | 3.0 | 3.7 | 15 | 15 | 15 | 16 | 2.8 |
| 18 | 3.7 | 3.7 | 3.4 | 2.8 | 3.2 | 3.0 | 7.4 | 15 | 15 | 15 | 16 | 2.9 |
| 19 | 3.7 | 3.7 | 3.4 | 2.8 | 3.2 | 3.0 | 15 | 15 | 15 | 15 | 15 | 3.0 |
| 20 | 3.6 | 3.7 | 3.4 | 2.7 | 3.2 | 3.0 | 15 | 15 | 15 | 16 | 15 | 3.1 |
| 21 | 3.4 | 3.7 | 3.4 | 2.7 | 3.2 | 3.0 | 15 | 15 | 15 | 16 | 15 | 3.1 |
| 22 | 3.4 | 3.7 | 3.4 | 2.7 | 3.2 | 3.0 | 15 | 15 | 15 | 11 | 10 | 3.1 |
| 23 | 3.4 | 3.7 | 3.4 | 2.6 | 3.1 | 3.0 | 15 | 15 | 16 | 9.0 | 7.5 | 3.1 |
| 24 | 3.4 | 3.7 | 3.4 | 2.6 | 3.1 | 3.0 | 15 | 15 | 16 | 9.0 | 7.5 | 3.1 |
| 25 | 3.4 | 3.7 | 3.4 | 2.6 | 3.1 | 3.0 | 15 | 15 | 16 | 9.1 | 13 | 3.1 |
| 26 | 3.5 | 3.7 | 3.4 | 2.6 | 3.0 | 3.0 | 15 | 15 | 16 | 9.5 | 16 | 3.1 |
| 27 | 3.6 | 3.7 | 3.4 | 2.5 | 3.0 | 3.0 | 15 | 15 | 16 | 9.5 | 16 | 3.1 |
| 28 | 3.7 | 3.7 | 3.4 | 2.5 | 3.0 | 3.1 | 15 | 15 | 16 | 9.5 | 16 | 3.4 |
| 29 | 3.7 | 3.7 | 3.4 | 2.5 | 3.0 | 3.1 | 15 | 15 | 16 | 9.5 | 16 | 3.1 |
| 30 | 3.7 | 3.7 | 3.4 | 2.5 | --- | 3.1 | 15 | 15 | 16 | 9.5 | 16 | 3.1 |
| 31 | 3.7 | --- | 3.4 | 2.5 | --- | 3.1 | --- | 15 | --- | 9.5 | 8.0 | --- |
| TOTAL | 109.4 | 109.3 | 106.4 | 88.3 | 86.1 | 93.4 | 243.9 | 465 | 458 | 407.1 | 414.5 | 92.6 |
| MEAN | 3.53 | 3.64 | 3.43 | 2.85 | 2.97 | 3.01 | 8.13 | 15.0 | 15.3 | 13.1 | 13.4 | 3.09 |
| AC-FT | 217 | 217 | 211 | 175 | 171 | 185 | 484 | 922 | 908 | 807 | 822 | 184 |
| MAX | 3.7 | 3.8 | 3.7 | 3.3 | 3.2 | 3.1 | 15 | 15 | 16 | 16 | 16 | 3.9 |
| MIN | 3.4 | 2.8 | 3.4 | 2.5 | 2.6 | 3.0 | 2.8 | 15 | 15 | 9.0 | 7.5 | 2.8 |
| CAL YR 1987 TOTAL | | 2868.1 | MEAN | 7.86 | MAX | 16 | MIN | 2.6 | AC-FT | 5690 | | |
| WTR YR 1988 TOTAL | | 2674.0 | MEAN | 7.31 | MAX | 16 | MIN | 2.5 | AC-FT | 5300 | | |

MAX DISCH 16 CFS AT 2115 02-AUG-1988 GH 0.54 FT. SHIFT 0.00 FT. MAX GH 0.54 FT. AT 2115 02-AUG-1988



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1989)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

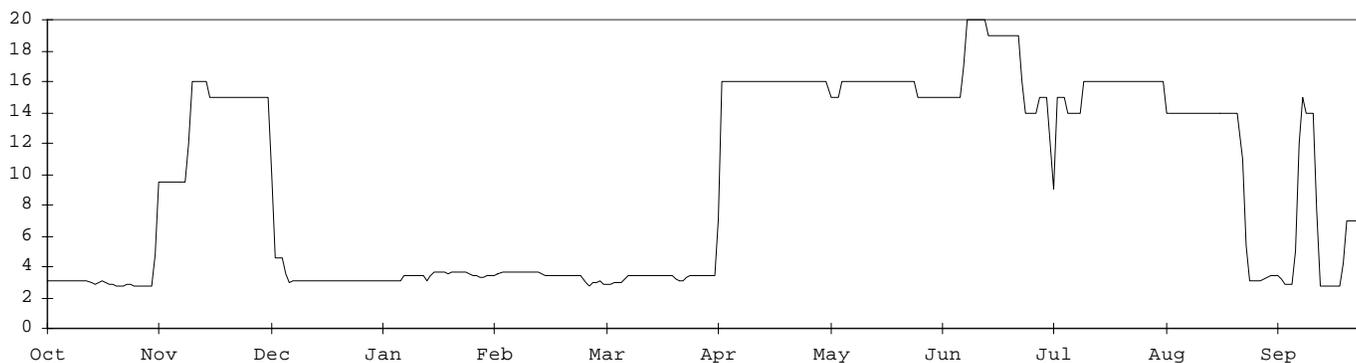
GAGE.--Water-stage recorder and satellite telemetry. Elevation of gage datum 9,720 ft. from topographic map.

RATING TABLE.--LFCBSLC004 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|------|--------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|
| 1 | 3.1 | 9.5 | 15 | 3.1 | 3.4 | 3.0 | 3.4 | 16 | 15 | 14 | 16 | 3.1 |
| 2 | 3.1 | 9.5 | 10 | 3.1 | 3.4 | 3.0 | 3.4 | 16 | 15 | 14 | 16 | 3.1 |
| 3 | 3.1 | 9.5 | 4.6 | 3.1 | 3.5 | 3.1 | 3.4 | 16 | 15 | 15 | 16 | 3.2 |
| 4 | 3.1 | 9.5 | 4.6 | 3.1 | 3.7 | 2.9 | 3.4 | 16 | 15 | 15 | 16 | 3.3 |
| 5 | 3.1 | 9.5 | 4.6 | 3.1 | 3.7 | 2.9 | 7.1 | 16 | 15 | 15 | 16 | 3.4 |
| 6 | 3.1 | 9.5 | 3.6 | 3.1 | 3.7 | 2.9 | 16 | 15 | 15 | 12 | 16 | 3.4 |
| 7 | 3.1 | 9.5 | 3.0 | 3.1 | 3.7 | 3.0 | 16 | 15 | 15 | 9.0 | 14 | 3.4 |
| 8 | 3.1 | 9.5 | 3.1 | 3.4 | 3.7 | 3.0 | 16 | 15 | 15 | 15 | 14 | 3.2 |
| 9 | 3.1 | 12 | 3.1 | 3.4 | 3.7 | 3.0 | 16 | 16 | 15 | 15 | 14 | 2.9 |
| 10 | 3.1 | 16 | 3.1 | 3.4 | 3.7 | 3.2 | 16 | 16 | 15 | 15 | 14 | 2.9 |
| 11 | 3.1 | 16 | 3.1 | 3.4 | 3.7 | 3.4 | 16 | 16 | 15 | 14 | 14 | 2.9 |
| 12 | 3.1 | 16 | 3.1 | 3.4 | 3.7 | 3.4 | 16 | 16 | 17 | 14 | 14 | 5.0 |
| 13 | 3.0 | 16 | 3.1 | 3.4 | 3.7 | 3.4 | 16 | 16 | 20 | 14 | 14 | 12 |
| 14 | 2.9 | 16 | 3.1 | 3.1 | 3.7 | 3.4 | 16 | 16 | 20 | 14 | 14 | 15 |
| 15 | 3.0 | 15 | 3.1 | 3.4 | 3.5 | 3.4 | 16 | 16 | 20 | 16 | 14 | 14 |
| 16 | 3.1 | 15 | 3.1 | 3.7 | 3.4 | 3.4 | 16 | 16 | 20 | 16 | 14 | 14 |
| 17 | 3.0 | 15 | 3.1 | 3.7 | 3.4 | 3.4 | 16 | 16 | 20 | 16 | 14 | 14 |
| 18 | 2.9 | 15 | 3.1 | 3.7 | 3.4 | 3.4 | 16 | 16 | 20 | 16 | 14 | 7.7 |
| 19 | 2.9 | 15 | 3.1 | 3.7 | 3.4 | 3.4 | 16 | 16 | 19 | 16 | 14 | 2.8 |
| 20 | 2.8 | 15 | 3.1 | 3.6 | 3.4 | 3.4 | 16 | 16 | 19 | 16 | 14 | 2.8 |
| 21 | 2.8 | 15 | 3.1 | 3.7 | 3.4 | 3.4 | 16 | 16 | 19 | 16 | 14 | 2.8 |
| 22 | 2.8 | 15 | 3.1 | 3.7 | 3.4 | 3.4 | 16 | 16 | 19 | 16 | 14 | 2.8 |
| 23 | 2.9 | 15 | 3.1 | 3.7 | 3.4 | 3.4 | 16 | 16 | 19 | 16 | 14 | 2.8 |
| 24 | 2.9 | 15 | 3.1 | 3.7 | 3.4 | 3.2 | 16 | 16 | 19 | 16 | 14 | 2.8 |
| 25 | 2.8 | 15 | 3.1 | 3.7 | 3.4 | 3.1 | 16 | 16 | 19 | 16 | 14 | 4.2 |
| 26 | 2.8 | 15 | 3.1 | 3.6 | 3.4 | 3.1 | 16 | 16 | 19 | 16 | 14 | 7.0 |
| 27 | 2.8 | 15 | 3.1 | 3.4 | 3.0 | 3.3 | 16 | 16 | 19 | 16 | 14 | 7.0 |
| 28 | 2.8 | 15 | 3.1 | 3.4 | 2.8 | 3.4 | 16 | 16 | 16 | 16 | 11 | 7.0 |
| 29 | 2.8 | 15 | 3.1 | 3.3 | --- | 3.4 | 16 | 16 | 14 | 16 | 5.4 | 7.0 |
| 30 | 2.8 | 15 | 3.1 | 3.3 | --- | 3.4 | 16 | 15 | 14 | 16 | 3.1 | 7.0 |
| 31 | 4.8 | --- | 3.1 | 3.4 | --- | 3.4 | --- | 15 | --- | 16 | 3.1 | --- |
| TOTAL | 93.8 | 408.0 | 119.8 | 105.9 | 97.7 | 100.5 | 420.7 | 491 | 517 | 467.0 | 412.6 | 172.5 |
| MEAN | 3.03 | 13.6 | 3.86 | 3.42 | 3.49 | 3.24 | 14.0 | 15.8 | 17.2 | 15.1 | 13.3 | 5.75 |
| AC-FT | 186 | 809 | 238 | 210 | 194 | 199 | 834 | 974 | 1030 | 926 | 818 | 342 |
| MAX | 4.8 | 16 | 15 | 3.7 | 3.7 | 3.4 | 16 | 16 | 20 | 16 | 16 | 15 |
| MIN | 2.8 | 9.5 | 3.0 | 3.1 | 2.8 | 2.9 | 3.4 | 15 | 14 | 9.0 | 3.1 | 2.8 |
| CAL YR 1988 TOTAL | | 2970.5 | MEAN | 8.12 | MAX | 16 | MIN | 2.5 | AC-FT | 5890 | | |
| WTR YR 1989 TOTAL | | 3406.5 | MEAN | 9.33 | MAX | 20 | MIN | 2.8 | AC-FT | 6760 | | |

MAX DISCH 21 CFS AT 1330 13-JUN-1989 GH 0.60 FT. SHIFT 0.00 FT. MAX GH 0.60 FT. AT 1330 13-JUN-1989



ARKANSAS RIVER BASIN

LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO (1990)

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

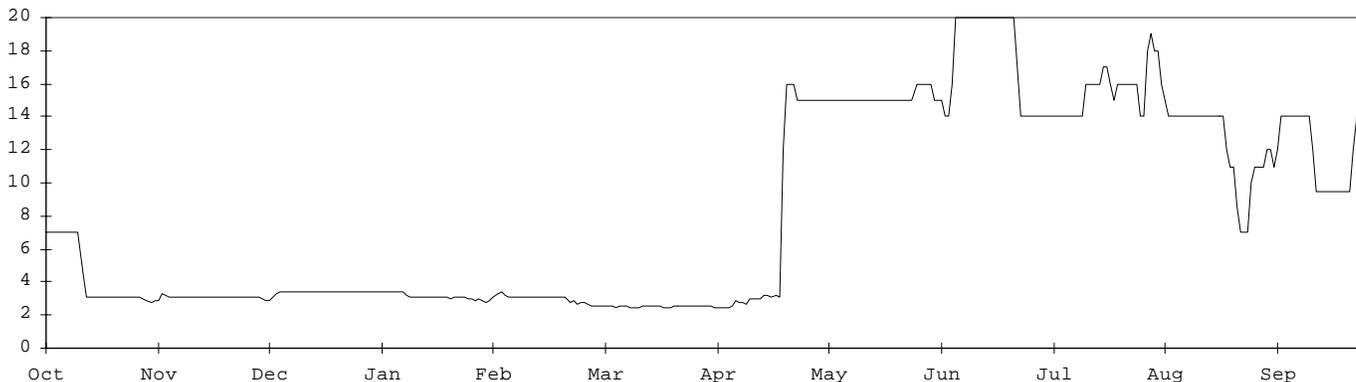
GAGE.--Water-stage recorder and satellite telemetry. Elevation of gage datum 9,720 ft. from topographic map.

RATING TABLE.--LFCBSLC004 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|--------|-------|------|------|------|-------|------|-------|------|-------|-------|
| 1 | 7.0 | 2.9 | 2.9 | 3.4 | 2.9 | 2.6 | 2.6 | 15 | 16 | 14 | 14 | 11 |
| 2 | 7.0 | 3.3 | 2.9 | 3.4 | 3.1 | 2.6 | 2.6 | 15 | 16 | 14 | 18 | 11 |
| 3 | 7.0 | 3.2 | 3.1 | 3.4 | 3.3 | 2.6 | 2.6 | 15 | 16 | 14 | 19 | 11 |
| 4 | 7.0 | 3.1 | 3.3 | 3.4 | 3.4 | 2.6 | 2.5 | 15 | 15 | 14 | 18 | 12 |
| 5 | 7.0 | 3.1 | 3.4 | 3.4 | 3.2 | 2.6 | 2.5 | 15 | 15 | 14 | 18 | 12 |
| 6 | 7.0 | 3.1 | 3.4 | 3.4 | 3.1 | 2.6 | 2.4 | 15 | 15 | 14 | 16 | 11 |
| 7 | 7.0 | 3.1 | 3.4 | 3.4 | 3.1 | 2.6 | 2.4 | 15 | 14 | 14 | 15 | 12 |
| 8 | 7.0 | 3.1 | 3.4 | 3.4 | 3.1 | 2.5 | 2.4 | 15 | 14 | 14 | 14 | 14 |
| 9 | 7.0 | 3.1 | 3.4 | 3.2 | 3.1 | 2.6 | 2.6 | 15 | 16 | 14 | 14 | 14 |
| 10 | 7.0 | 3.1 | 3.4 | 3.1 | 3.1 | 2.6 | 2.9 | 15 | 20 | 14 | 14 | 14 |
| 11 | 4.6 | 3.1 | 3.4 | 3.1 | 3.1 | 2.6 | 2.8 | 15 | 20 | 14 | 14 | 14 |
| 12 | 3.1 | 3.1 | 3.4 | 3.1 | 3.1 | 2.5 | 2.8 | 15 | 20 | 14 | 14 | 14 |
| 13 | 3.1 | 3.1 | 3.4 | 3.1 | 3.1 | 2.4 | 2.7 | 15 | 20 | 14 | 14 | 14 |
| 14 | 3.1 | 3.1 | 3.4 | 3.1 | 3.1 | 2.5 | 3.0 | 15 | 20 | 14 | 14 | 14 |
| 15 | 3.1 | 3.1 | 3.4 | 3.1 | 3.1 | 2.6 | 3.0 | 15 | 20 | 14 | 14 | 14 |
| 16 | 3.1 | 3.1 | 3.4 | 3.1 | 3.1 | 2.6 | 3.0 | 15 | 20 | 16 | 14 | 14 |
| 17 | 3.1 | 3.1 | 3.4 | 3.1 | 3.1 | 2.6 | 3.0 | 15 | 20 | 16 | 14 | 12 |
| 18 | 3.1 | 3.1 | 3.4 | 3.1 | 3.1 | 2.6 | 3.2 | 15 | 20 | 16 | 14 | 9.5 |
| 19 | 3.1 | 3.1 | 3.4 | 3.1 | 3.1 | 2.6 | 3.2 | 15 | 20 | 16 | 14 | 9.5 |
| 20 | 3.1 | 3.1 | 3.4 | 3.1 | 3.1 | 2.6 | 3.1 | 15 | 20 | 16 | 14 | 9.5 |
| 21 | 3.1 | 3.1 | 3.4 | 3.0 | 3.1 | 2.4 | 3.2 | 15 | 20 | 17 | 14 | 9.5 |
| 22 | 3.1 | 3.1 | 3.4 | 3.1 | 3.1 | 2.4 | 3.1 | 15 | 20 | 17 | 14 | 9.5 |
| 23 | 3.1 | 3.1 | 3.4 | 3.1 | 2.8 | 2.5 | 12 | 15 | 20 | 16 | 14 | 9.5 |
| 24 | 3.1 | 3.1 | 3.4 | 3.1 | 2.9 | 2.6 | 16 | 15 | 20 | 15 | 12 | 9.5 |
| 25 | 3.1 | 3.1 | 3.4 | 3.1 | 2.7 | 2.6 | 16 | 15 | 20 | 16 | 11 | 9.5 |
| 26 | 3.1 | 3.1 | 3.4 | 3.0 | 2.8 | 2.6 | 16 | 15 | 20 | 16 | 11 | 9.5 |
| 27 | 3.1 | 3.1 | 3.4 | 3.0 | 2.8 | 2.6 | 15 | 15 | 17 | 16 | 8.5 | 9.5 |
| 28 | 3.0 | 3.1 | 3.4 | 2.9 | 2.7 | 2.6 | 15 | 15 | 14 | 16 | 7.0 | 12 |
| 29 | 2.9 | 3.1 | 3.4 | 3.0 | --- | 2.6 | 15 | 15 | 14 | 16 | 7.0 | 14 |
| 30 | 2.8 | 3.0 | 3.4 | 2.9 | --- | 2.6 | 15 | 16 | 14 | 16 | 7.0 | 14 |
| 31 | 2.9 | --- | 3.4 | 2.8 | --- | 2.6 | --- | 16 | --- | 14 | 10 | --- |
| TOTAL | 135.8 | 93.0 | 104.0 | 97.5 | 85.3 | 79.6 | 181.6 | 467 | 536 | 465 | 415.5 | 353.0 |
| MEAN | 4.38 | 3.10 | 3.35 | 3.15 | 3.05 | 2.57 | 6.05 | 15.1 | 17.9 | 15.0 | 13.4 | 11.8 |
| AC-FT | 269 | 184 | 206 | 193 | 169 | 158 | 360 | 926 | 1060 | 922 | 824 | 700 |
| MAX | 7.0 | 3.3 | 3.4 | 3.4 | 3.4 | 2.6 | 16 | 16 | 20 | 17 | 19 | 14 |
| MIN | 2.8 | 2.9 | 2.9 | 2.8 | 2.7 | 2.4 | 2.4 | 15 | 14 | 14 | 7.0 | 9.5 |
| CAL YR 1989 TOTAL | | 3117.7 | MEAN | 8.54 | MAX | 20 | MIN | 2.8 | AC-FT | 6180 | | |
| WTR YR 1990 TOTAL | | 3013.3 | MEAN | 8.26 | MAX | 20 | MIN | 2.4 | AC-FT | 5980 | | |

MAX DISCH 23 CFS AT 1145 11-SEP-1990 GH 0.63 FT. SHIFT -0.01 FT. MAX GH 0.63 FT. AT 1145 11-SEP-1990



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO (1980)

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

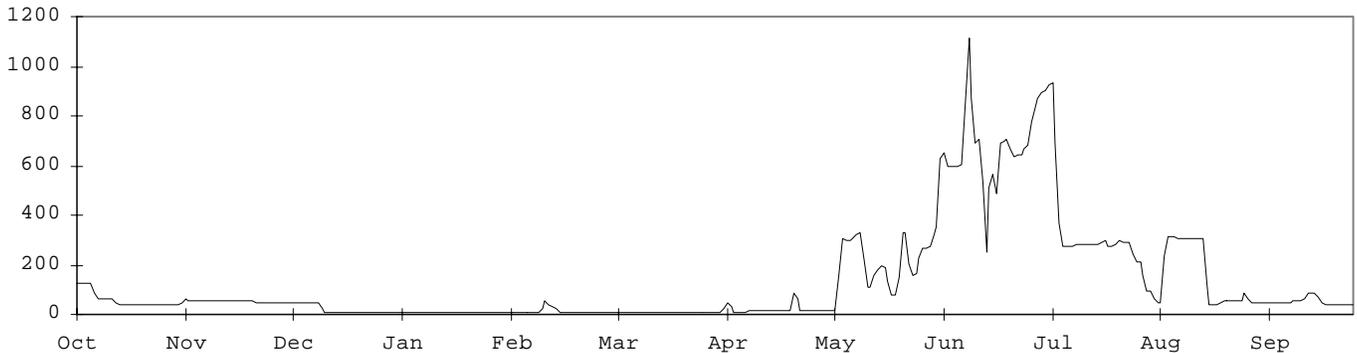
RATING TABLE.--LAKBTLC006 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1 | 123 | 60 | 48 | 9.0 | 9.6 | 9.6 | 9.6 | 15 | 271 | 839 | 156 | 50 |
| 2 | 123 | 58 | 48 | 9.0 | 9.6 | 9.6 | 9.6 | 15 | 320 | 874 | 92 | 50 |
| 3 | 123 | 57 | 48 | 9.6 | 9.6 | 9.6 | 21 | 15 | 354 | 898 | 92 | 49 |
| 4 | 122 | 57 | 48 | 9.6 | 9.6 | 9.6 | 45 | 15 | 625 | 905 | 63 | 49 |
| 5 | 122 | 55 | 48 | 9.6 | 9.6 | 9.6 | 29 | 15 | 652 | 927 | 45 | 49 |
| 6 | 84 | 55 | 48 | 9.6 | 9.6 | 9.6 | 10 | 159 | 594 | 934 | 46 | 50 |
| 7 | 64 | 55 | 48 | 9.6 | 9.6 | 9.6 | 11 | 303 | 597 | 690 | 236 | 50 |
| 8 | 62 | 56 | 48 | 9.6 | 9.6 | 9.6 | 11 | 299 | 600 | 367 | 313 | 50 |
| 9 | 62 | 56 | 48 | 9.6 | 9.6 | 9.6 | 11 | 301 | 600 | 271 | 310 | 50 |
| 10 | 61 | 56 | 26 | 9.6 | 9.6 | 9.6 | 12 | 303 | 606 | 271 | 310 | 50 |
| 11 | 60 | 57 | 8.4 | 9.6 | 21 | 9.6 | 12 | 322 | 851 | 276 | 308 | 50 |
| 12 | 48 | 57 | 8.4 | 9.6 | 57 | 9.6 | 12 | 329 | 1110 | 278 | 308 | 50 |
| 13 | 41 | 56 | 9.0 | 9.6 | 43 | 9.6 | 12 | 218 | 873 | 280 | 306 | 51 |
| 14 | 40 | 56 | 9.0 | 9.6 | 33 | 9.6 | 12 | 109 | 693 | 280 | 303 | 51 |
| 15 | 40 | 56 | 9.0 | 9.6 | 24 | 9.6 | 12 | 107 | 706 | 280 | 303 | 51 |
| 16 | 40 | 56 | 9.0 | 9.6 | 10 | 9.6 | 12 | 155 | 537 | 280 | 303 | 65 |
| 17 | 38 | 56 | 9.6 | 9.6 | 10 | 9.6 | 12 | 195 | 253 | 280 | 303 | 83 |
| 18 | 38 | 55 | 9.6 | 9.6 | 10 | 9.6 | 12 | 193 | 508 | 280 | 303 | 83 |
| 19 | 38 | 55 | 9.6 | 9.6 | 10 | 9.6 | 12 | 191 | 566 | 280 | 115 | 83 |
| 20 | 40 | 51 | 9.0 | 9.6 | 10 | 9.6 | 12 | 137 | 486 | 292 | 37 | 70 |
| 21 | 40 | 49 | 8.4 | 9.6 | 10 | 9.6 | 12 | 95 | 693 | 296 | 37 | 49 |
| 22 | 40 | 48 | 7.8 | 9.6 | 10 | 9.6 | 12 | 95 | 700 | 271 | 37 | 43 |
| 23 | 40 | 48 | 7.8 | 9.6 | 9.6 | 9.6 | 89 | 151 | 703 | 271 | 48 | 42 |
| 24 | 40 | 48 | 7.2 | 9.6 | 9.6 | 9.6 | 66 | 327 | 665 | 280 | 55 | 41 |
| 25 | 40 | 48 | 7.2 | 9.6 | 9.6 | 9.6 | 15 | 332 | 633 | 299 | 55 | 40 |
| 26 | 40 | 48 | 6.6 | 9.6 | 9.6 | 9.6 | 15 | 201 | 640 | 294 | 55 | 40 |
| 27 | 40 | 48 | 6.6 | 9.6 | 9.6 | 9.6 | 15 | 158 | 646 | 292 | 55 | 38 |
| 28 | 40 | 48 | 8.4 | 9.6 | 9.6 | 9.6 | 15 | 162 | 665 | 287 | 55 | 37 |
| 29 | 40 | 48 | 8.4 | 9.6 | 9.6 | 9.6 | 15 | 230 | 680 | 242 | 54 | 36 |
| 30 | 40 | 48 | 8.4 | 9.6 | --- | 9.6 | 15 | 267 | 776 | 213 | 86 | 36 |
| 31 | 48 | --- | 8.4 | 9.6 | --- | 9.6 | --- | 269 | --- | 211 | 65 | --- |
| TOTAL | 1817 | 1601 | 633.8 | 296.4 | 411.2 | 297.6 | 558.2 | 5683 | 18603 | 12738 | 4854 | 1536 |
| MEAN | 58.6 | 53.4 | 20.4 | 9.56 | 14.2 | 9.60 | 18.6 | 183 | 620 | 411 | 157 | 51.2 |
| AC-FT | 3600 | 3180 | 1260 | 588 | 816 | 590 | 1110 | 11270 | 36900 | 25270 | 9630 | 3050 |
| MAX | 123 | 60 | 48 | 9.6 | 57 | 9.6 | 89 | 332 | 1110 | 934 | 313 | 83 |
| MIN | 38 | 48 | 6.6 | 9.0 | 9.6 | 9.6 | 9.6 | 15 | 253 | 211 | 37 | 36 |

CAL YR 1979 TOTAL 66,660.9 MEAN 183 MAX 1530 MIN 2.5 AC-FT 132,200
WTR YR 1980 TOTAL 49029.2 MEAN 134 MAX 1110 MIN 6.6 AC-FT 97250

MAX DISCH 1140 CFS AT 13:00 13-JUN-1980 GH 5.40 FT. SHIFT +.67 FT. MAX GH 5.40 FT. AT 13:00 13-JUN-1980



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO (1981)

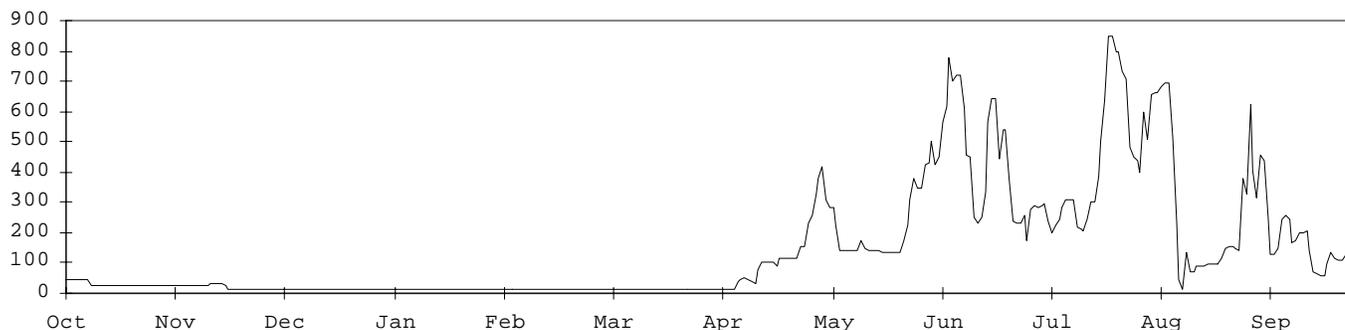
LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

RATING TABLE.--LAKBTLC006 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|---------|------|-------------|------|------|------|-------|-------|--------|--------|-------|-------------|
| 1 | 42 | 26 | 15 | 15 | 15 | 15 | 15 | 325 | 425 | 274 | 400 | 624 |
| 2 | 42 | 26 | 15 | 15 | 15 | 15 | 15 | 381 | 428 | 287 | 596 | 407 |
| 3 | 42 | 26 | 15 | 15 | 15 | 15 | 15 | 415 | 502 | 281 | 507 | 318 |
| 4 | 42 | 26 | 15 | 15 | 15 | 15 | 15 | 309 | 425 | 290 | 656 | 457 |
| 5 | 42 | 26 | 15 | 15 | 15 | 15 | 15 | 282 | 451 | 296 | 660 | 440 |
| 6 | 42 | 26 | 15 | 15 | 15 | 15 | 15 | 281 | 566 | 235 | 660 | 245 |
| 7 | 42 | 26 | 15 | 15 | 15 | 15 | 15 | 224 | 614 | 200 | 681 | 131 |
| 8 | 26 | 26 | 15 | 15 | 15 | 15 | 15 | 143 | 795 | 224 | 694 | 131 |
| 9 | 26 | 26 | 15 | 15 | 15 | 15 | 36 | 143 | 698 | 244 | 694 | 146 |
| 10 | 26 | 26 | 15 | 15 | 15 | 15 | 44 | 143 | 718 | 286 | 512 | 243 |
| 11 | 26 | 33 | 15 | 15 | 15 | 15 | 49 | 143 | 719 | 308 | 233 | 260 |
| 12 | 26 | 33 | 15 | 15 | 15 | 15 | 47 | 143 | 608 | 308 | 46 | 245 |
| 13 | 26 | 33 | 15 | 15 | 15 | 15 | 38 | 143 | 458 | 306 | 15 | 166 |
| 14 | 26 | 33 | 15 | 15 | 15 | 15 | 30 | 172 | 452 | 220 | 134 | 173 |
| 15 | 26 | 26 | 15 | 15 | 15 | 15 | 79 | 148 | 252 | 213 | 68 | 197 |
| 16 | 26 | 15 | 15 | 15 | 15 | 15 | 103 | 140 | 233 | 204 | 68 | 197 |
| 17 | 26 | 15 | 15 | 15 | 15 | 15 | 103 | 140 | 250 | 242 | 87 | 203 |
| 18 | 26 | 15 | 15 | 15 | 15 | 15 | 103 | 140 | 333 | 305 | 87 | 142 |
| 19 | 26 | 15 | 15 | 15 | 15 | 15 | 103 | 140 | 567 | 305 | 87 | 69 |
| 20 | 26 | 15 | 15 | 15 | 15 | 15 | 92 | 137 | 640 | 388 | 97 | 64 |
| 21 | 26 | 15 | 15 | 15 | 15 | 15 | 118 | 137 | 640 | 499 | 98 | 61 |
| 22 | 26 | 15 | 15 | 15 | 15 | 15 | 118 | 137 | 445 | 639 | 98 | 61 |
| 23 | 26 | 15 | 15 | 15 | 15 | 15 | 118 | 137 | 537 | 850 | 98 | 96 |
| 24 | 26 | 15 | 15 | 15 | 15 | 15 | 118 | 137 | 537 | 846 | 116 | 133 |
| 25 | 26 | 15 | 15 | 15 | 15 | 15 | 118 | 137 | 379 | 798 | 146 | 118 |
| 26 | 26 | 15 | 15 | 15 | 15 | 15 | 118 | 173 | 237 | 798 | 157 | 111 |
| 27 | 26 | 15 | 15 | 15 | 15 | 15 | 152 | 224 | 231 | 735 | 157 | 111 |
| 28 | 26 | 15 | 15 | 15 | 15 | 15 | 153 | 311 | 231 | 706 | 148 | 129 |
| 29 | 26 | 15 | 15 | 15 | --- | 15 | 230 | 395 | 260 | 480 | 143 | 141 |
| 30 | 26 | 15 | 15 | 15 | --- | 15 | 256 | 346 | 174 | 448 | 379 | 159 |
| 31 | 26 | --- | 15 | 15 | --- | 15 | --- | 344 | --- | 438 | 325 | --- |
| TOTAL | 918 | 643 | 465 | 465 | 420 | 465 | 2446 | 6570 | 13805 | 12653 | 8847 | 5978 |
| MEAN | 29.6 | 21.4 | 15.0 | 15.0 | 15.0 | 15.0 | 81.5 | 212 | 460 | 408 | 285 | 199 |
| AC-FT | 1820 | 1280 | 922 | 922 | 833 | 922 | 4850 | 13030 | 27380 | 25100 | 17550 | 11860 |
| MAX | 42 | 33 | 15 | 15 | 15 | 15 | 256 | 415 | 795 | 850 | 694 | 624 |
| MIN | 26 | 15 | 15 | 15 | 15 | 15 | 15 | 137 | 174 | 200 | 15 | 61 |
| CAL YR 1980 TOTAL | 47003.4 | | MEAN | 128 | MAX | 1110 | MIN | 9.0 | AC-FT | 93230 | | |
| WTR YR 1981 TOTAL | 53675 | | MEAN | 147 | MAX | 850 | MIN | 15 | AC-FT | 106500 | | |
| MAX DISCH | 850 CFS | AT | 23-JUL-1981 | | GH | FT. | SHIFT | FT. | MAX GH | FT. | AT | 23-JUL-1981 |



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO (1982)

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

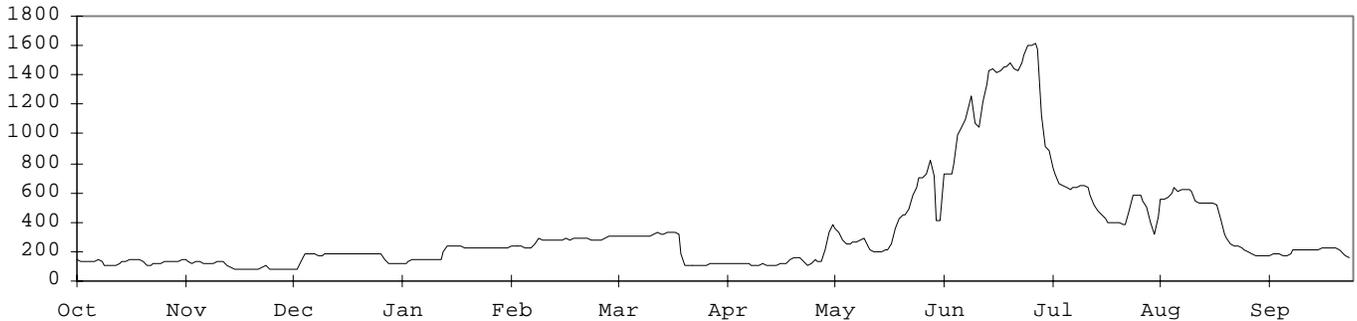
RATING TABLE.--LAKBTLC006 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| 1 | 152 | 139 | 79 | 121 | 226 | 292 | 124 | 137 | 730 | 1600 | 582 | 194 |
| 2 | 127 | 127 | 79 | 121 | 233 | 311 | 122 | 137 | 820 | 1620 | 543 | 180 |
| 3 | 127 | 120 | 79 | 120 | 233 | 308 | 124 | 209 | 712 | 1580 | 501 | 176 |
| 4 | 127 | 135 | 132 | 135 | 233 | 306 | 122 | 328 | 404 | 1120 | 396 | 176 |
| 5 | 135 | 134 | 184 | 148 | 233 | 308 | 122 | 378 | 415 | 916 | 322 | 174 |
| 6 | 132 | 124 | 182 | 148 | 230 | 306 | 122 | 363 | 724 | 892 | 437 | 174 |
| 7 | 143 | 122 | 180 | 148 | 226 | 306 | 121 | 331 | 730 | 766 | 555 | 172 |
| 8 | 134 | 122 | 180 | 144 | 226 | 306 | 120 | 278 | 730 | 730 | 555 | 182 |
| 9 | 106 | 124 | 170 | 144 | 256 | 311 | 118 | 256 | 796 | 665 | 564 | 190 |
| 10 | 102 | 130 | 174 | 144 | 288 | 308 | 116 | 253 | 988 | 645 | 600 | 188 |
| 11 | 102 | 130 | 182 | 144 | 282 | 306 | 115 | 268 | 1040 | 630 | 630 | 178 |
| 12 | 102 | 127 | 186 | 144 | 282 | 308 | 107 | 261 | 1100 | 620 | 605 | 172 |
| 13 | 115 | 106 | 186 | 152 | 280 | 308 | 103 | 275 | 1210 | 630 | 620 | 186 |
| 14 | 126 | 96 | 186 | 203 | 278 | 306 | 100 | 285 | 1260 | 640 | 625 | 209 |
| 15 | 135 | 85 | 186 | 233 | 275 | 317 | 114 | 244 | 1070 | 655 | 620 | 218 |
| 16 | 139 | 81 | 186 | 233 | 280 | 328 | 102 | 207 | 1040 | 645 | 615 | 218 |
| 17 | 139 | 83 | 184 | 233 | 282 | 322 | 102 | 196 | 1220 | 635 | 547 | 218 |
| 18 | 139 | 81 | 182 | 233 | 285 | 320 | 101 | 192 | 1340 | 582 | 535 | 218 |
| 19 | 141 | 81 | 182 | 233 | 282 | 328 | 112 | 196 | 1430 | 515 | 535 | 218 |
| 20 | 134 | 82 | 182 | 226 | 290 | 331 | 116 | 209 | 1440 | 474 | 535 | 218 |
| 21 | 110 | 82 | 184 | 226 | 292 | 328 | 114 | 218 | 1410 | 449 | 527 | 218 |
| 22 | 112 | 82 | 188 | 228 | 285 | 320 | 114 | 256 | 1430 | 427 | 523 | 220 |
| 23 | 118 | 98 | 186 | 226 | 285 | 183 | 143 | 363 | 1460 | 402 | 519 | 222 |
| 24 | 121 | 101 | 184 | 224 | 285 | 102 | 161 | 427 | 1460 | 393 | 424 | 222 |
| 25 | 121 | 83 | 182 | 224 | 282 | 102 | 159 | 446 | 1480 | 393 | 317 | 222 |
| 26 | 128 | 82 | 182 | 224 | 280 | 108 | 159 | 455 | 1440 | 393 | 288 | 222 |
| 27 | 130 | 83 | 182 | 224 | 280 | 106 | 134 | 487 | 1430 | 378 | 256 | 207 |
| 28 | 130 | 84 | 152 | 224 | 275 | 106 | 102 | 582 | 1480 | 381 | 240 | 188 |
| 29 | 130 | 84 | 122 | 222 | --- | 111 | 124 | 640 | 1540 | 477 | 240 | 166 |
| 30 | 135 | 80 | 121 | 222 | --- | 111 | 139 | 706 | 1600 | 578 | 222 | 159 |
| 31 | 139 | --- | 121 | 222 | --- | 118 | --- | 695 | --- | 586 | 209 | --- |
| TOTAL | 3931 | 3088 | 5085 | 5873 | 7464 | 7931 | 3632 | 10278 | 33929 | 21417 | 14687 | 5905 |
| MEAN | 127 | 103 | 164 | 189 | 267 | 256 | 121 | 332 | 1131 | 691 | 474 | 197 |
| AC-FT | 7800 | 6130 | 10090 | 11650 | 14800 | 15730 | 7200 | 20390 | 67300 | 42480 | 29130 | 11710 |
| MAX | 152 | 139 | 188 | 233 | 292 | 331 | 161 | 706 | 1600 | 1620 | 630 | 222 |
| MIN | 102 | 80 | 79 | 120 | 226 | 102 | 100 | 137 | 404 | 378 | 209 | 159 |

CAL YR 1981 TOTAL 63753 MEAN 175 MAX 850 MIN 15 AC-FT 126500
WTR YR 1982 TOTAL 123220 MEAN 338 MAX 1620 MIN 79 AC-FT 244400

MAX DISCH 1640 CFS AT 21:30 02-JUL-1982 GH 4.39 FT. SHIFT 0.0 FT. MAX GH 4.39 FT. AT 16:40 02-JUL-1982



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO (1983)

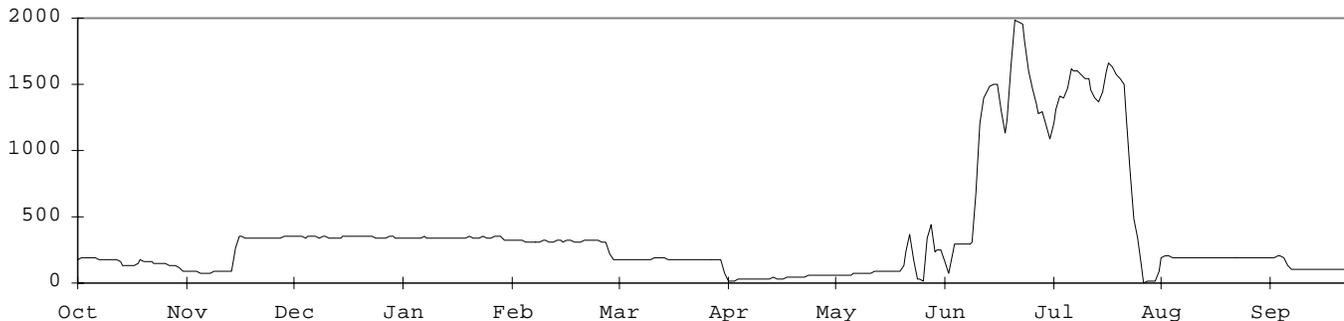
LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

RATING TABLE.--LAKBTLCO06 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|------|----------|-------|-------|-------|-------|------|------|-------|--------|--------|------|
| 1 | 175 | 82 | 354 | 342 | 318 | 315 | 183 | 64 | 339 | 1470 | 123 | 198 |
| 2 | 185 | 86 | 351 | 339 | 318 | 224 | 183 | 64 | 435 | 1360 | 7.0 | 198 |
| 3 | 185 | 86 | 351 | 339 | 321 | 181 | 181 | 63 | 238 | 1280 | 8.5 | 198 |
| 4 | 185 | 82 | 351 | 345 | 321 | 181 | 73 | 63 | 243 | 1290 | 8.0 | 198 |
| 5 | 189 | 80 | 345 | 342 | 321 | 181 | 18 | 63 | 248 | 1190 | 7.5 | 198 |
| 6 | 191 | 80 | 348 | 345 | 315 | 179 | 20 | 63 | 165 | 1090 | 87 | 197 |
| 7 | 175 | 80 | 351 | 345 | 315 | 179 | 21 | 63 | 72 | 1210 | 187 | 197 |
| 8 | 170 | 80 | 348 | 348 | 315 | 177 | 23 | 63 | 224 | 1310 | 199 | 198 |
| 9 | 172 | 81 | 345 | 345 | 315 | 177 | 23 | 63 | 300 | 1410 | 203 | 199 |
| 10 | 172 | 81 | 348 | 342 | 315 | 177 | 23 | 63 | 295 | 1400 | 198 | 199 |
| 11 | 172 | 81 | 348 | 345 | 318 | 177 | 23 | 71 | 288 | 1470 | 195 | 198 |
| 12 | 170 | 86 | 345 | 345 | 318 | 175 | 26 | 77 | 290 | 1620 | 193 | 132 |
| 13 | 156 | 91 | 339 | 345 | 315 | 174 | 28 | 77 | 295 | 1600 | 194 | 98 |
| 14 | 136 | 91 | 339 | 345 | 315 | 181 | 27 | 77 | 303 | 1600 | 194 | 99 |
| 15 | 132 | 261 | 345 | 345 | 321 | 185 | 26 | 77 | 678 | 1580 | 195 | 97 |
| 16 | 134 | 354 | 348 | 339 | 321 | 185 | 26 | 77 | 1210 | 1550 | 195 | 97 |
| 17 | 134 | 348 | 351 | 342 | 315 | 187 | 26 | 85 | 1400 | 1540 | 195 | 97 |
| 18 | 154 | 345 | 351 | 342 | 318 | 187 | 39 | 92 | 1460 | 1460 | 196 | 97 |
| 19 | 170 | 345 | 348 | 345 | 318 | 183 | 28 | 84 | 1480 | 1390 | 196 | 97 |
| 20 | 159 | 345 | 348 | 345 | 315 | 183 | 28 | 82 | 1500 | 1370 | 197 | 98 |
| 21 | 156 | 345 | 354 | 348 | 315 | 183 | 32 | 86 | 1500 | 1440 | 197 | 97 |
| 22 | 156 | 342 | 354 | 345 | 315 | 181 | 42 | 86 | 1300 | 1600 | 197 | 97 |
| 23 | 154 | 345 | 351 | 342 | 318 | 181 | 45 | 86 | 1130 | 1660 | 197 | 97 |
| 24 | 154 | 342 | 348 | 345 | 321 | 181 | 45 | 94 | 1240 | 1630 | 198 | 97 |
| 25 | 152 | 342 | 345 | 351 | 321 | 183 | 45 | 129 | 1650 | 1580 | 198 | 97 |
| 26 | 142 | 339 | 342 | 345 | 321 | 183 | 45 | 228 | 1980 | 1550 | 198 | 97 |
| 27 | 135 | 339 | 342 | 345 | 318 | 183 | 44 | 367 | 1970 | 1500 | 198 | 97 |
| 28 | 135 | 336 | 345 | 351 | 315 | 183 | 57 | 182 | 1960 | 1280 | 198 | 96 |
| 29 | 128 | 351 | 348 | 354 | --- | 181 | 63 | 25 | 1830 | 864 | 198 | 96 |
| 30 | 125 | 354 | 348 | 351 | --- | 181 | 64 | 23 | 1600 | 478 | 198 | 96 |
| 31 | 94 | --- | 345 | 327 | --- | 183 | --- | 21 | --- | 342 | 198 | --- |
| TOTAL | 4847 | 6600 | 10776 | 10674 | 8892 | 5791 | 1507 | 2758 | 27623 | 42114 | 5153.0 | 4057 |
| MEAN | 156 | 220 | 348 | 344 | 318 | 187 | 50.2 | 89.0 | 921 | 1359 | 166 | 135 |
| AC-FT | 9610 | 13090 | 21370 | 21170 | 17640 | 11490 | 2990 | 5470 | 54790 | 83530 | 10220 | 8050 |
| MAX | 191 | 354 | 354 | 354 | 321 | 315 | 183 | 367 | 1980 | 1660 | 203 | 199 |
| MIN | 94 | 80 | 339 | 327 | 315 | 174 | 18 | 21 | 72 | 342 | 7.0 | 96 |
| CAL YR 1982 TOTAL | | 133339 | MEAN | 365 | MAX | 1620 | MIN | 80 | AC-FT | 264500 | | |
| WTR YR 1983 TOTAL | | 130792.0 | MEAN | 358 | MAX | 1980 | MIN | 7.0 | AC-FT | 259400 | | |



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO (1984)

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

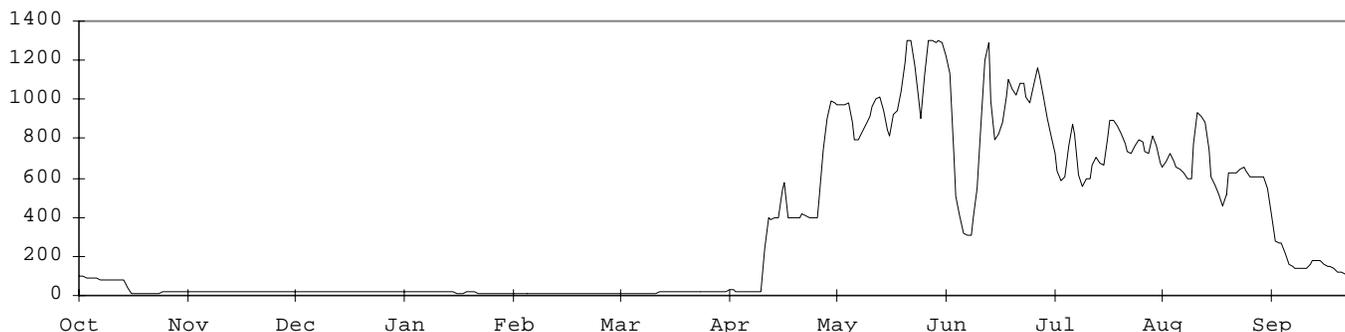
RATING TABLE.--LAKBTLC006 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 1 | 100 | 21 | 19 | 18 | 13 | 12 | 16 | 746 | 1300 | 1160 | 738 | 601 |
| 2 | 100 | 20 | 19 | 19 | 12 | 12 | 16 | 899 | 1290 | 1120 | 723 | 601 |
| 3 | 92 | 18 | 19 | 19 | 13 | 12 | 24 | 990 | 1300 | 1010 | 813 | 604 |
| 4 | 87 | 19 | 19 | 19 | 12 | 12 | 27 | 982 | 1290 | 906 | 768 | 601 |
| 5 | 87 | 20 | 18 | 18 | 14 | 12 | 27 | 978 | 1220 | 813 | 674 | 544 |
| 6 | 87 | 20 | 19 | 18 | 13 | 12 | 24 | 970 | 1130 | 724 | 652 | 414 |
| 7 | 83 | 20 | 20 | 18 | 12 | 12 | 22 | 978 | 720 | 639 | 684 | 277 |
| 8 | 78 | 20 | 20 | 17 | 12 | 12 | 22 | 986 | 509 | 588 | 720 | 269 |
| 9 | 78 | 21 | 20 | 17 | 13 | 12 | 22 | 882 | 408 | 604 | 684 | 269 |
| 10 | 78 | 21 | 19 | 16 | 13 | 11 | 22 | 790 | 321 | 768 | 652 | 223 |
| 11 | 78 | 21 | 19 | 16 | 13 | 11 | 22 | 794 | 305 | 878 | 646 | 156 |
| 12 | 78 | 20 | 19 | 16 | 12 | 12 | 22 | 836 | 308 | 824 | 621 | 147 |
| 13 | 78 | 20 | 19 | 16 | 12 | 12 | 22 | 878 | 402 | 615 | 595 | 143 |
| 14 | 78 | 20 | 19 | 16 | 12 | 12 | 239 | 918 | 544 | 554 | 595 | 138 |
| 15 | 35 | 20 | 20 | 16 | 12 | 16 | 394 | 962 | 882 | 598 | 778 | 138 |
| 16 | 6.0 | 19 | 20 | 15 | 12 | 19 | 391 | 998 | 1200 | 598 | 934 | 138 |
| 17 | 6.0 | 18 | 21 | 14 | 12 | 19 | 394 | 1010 | 1290 | 670 | 914 | 160 |
| 18 | 6.6 | 18 | 21 | 14 | 12 | 18 | 394 | 946 | 990 | 706 | 886 | 176 |
| 19 | 7.9 | 18 | 20 | 14 | 12 | 17 | 535 | 847 | 794 | 674 | 745 | 176 |
| 20 | 8.6 | 19 | 20 | 15 | 12 | 16 | 572 | 817 | 828 | 670 | 604 | 179 |
| 21 | 8.6 | 19 | 19 | 15 | 12 | 16 | 399 | 926 | 886 | 802 | 564 | 158 |
| 22 | 8.6 | 19 | 20 | 15 | 12 | 16 | 397 | 942 | 1010 | 894 | 512 | 149 |
| 23 | 8.6 | 19 | 19 | 14 | 11 | 16 | 399 | 1040 | 1100 | 894 | 459 | 149 |
| 24 | 13 | 19 | 18 | 14 | 12 | 16 | 399 | 1190 | 1050 | 859 | 519 | 136 |
| 25 | 20 | 19 | 18 | 14 | 12 | 16 | 414 | 1300 | 1020 | 828 | 628 | 122 |
| 26 | 17 | 19 | 18 | 14 | 12 | 16 | 408 | 1300 | 1080 | 779 | 628 | 122 |
| 27 | 20 | 19 | 18 | 14 | 13 | 16 | 397 | 1170 | 1080 | 735 | 628 | 111 |
| 28 | 21 | 19 | 19 | 14 | 12 | 16 | 394 | 1000 | 1010 | 727 | 646 | 110 |
| 29 | 21 | 19 | 20 | 14 | 12 | 16 | 394 | 906 | 982 | 768 | 660 | 111 |
| 30 | 20 | 19 | 19 | 14 | --- | 16 | 502 | 1120 | 1070 | 790 | 632 | 110 |
| 31 | 21 | --- | 19 | 14 | --- | 16 | --- | 1300 | --- | 787 | 604 | --- |
| TOTAL | 1430.9 | 583 | 597 | 487 | 356 | 447 | 7310 | 30401 | 27319 | 23982 | 20906 | 7232 |
| MEAN | 46.2 | 19.4 | 19.3 | 15.7 | 12.3 | 14.4 | 244 | 981 | 911 | 774 | 674 | 241 |
| AC-FT | 2840 | 1160 | 1180 | 966 | 706 | 887 | 14500 | 60300 | 54190 | 47570 | 41470 | 14340 |
| MAX | 100 | 21 | 21 | 19 | 14 | 19 | 572 | 1300 | 1300 | 1160 | 934 | 604 |
| MIN | 6.0 | 18 | 18 | 14 | 11 | 11 | 16 | 746 | 305 | 554 | 459 | 110 |

CAL YR 1983 TOTAL 111179.9 MEAN 305 MAX 1980 MIN 6.0 AC-FT 220500
WTR YR 1984 TOTAL 121050.9 MEAN 331 MAX 1300 MIN 6.0 AC-FT 240100

MAX DISCH 1320 CFS AT 09:30 30-MAY-1984 GH 4.65 FT. SHIFT 0.0 FT. MAX GH 4.65 FT. AT 09:30 30-MAY-1984



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO (1986)

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

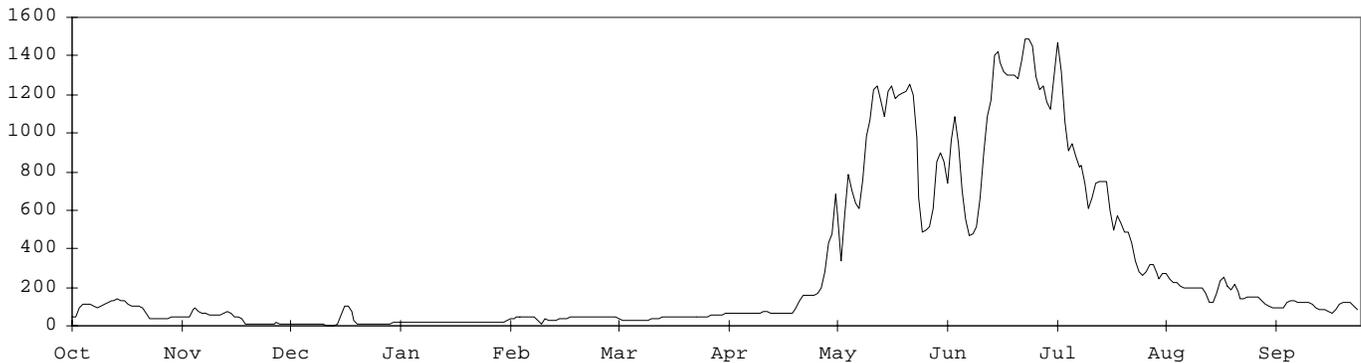
GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

RATING TABLE.--LAKBTLCO07 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|----------|--------|-------|------|------|------|------|-------|--------|-------|-------|------|
| 1 | 49 | 47 | 7.3 | 16 | 26 | 45 | 60 | 192 | 512 | 1290 | 282 | 147 |
| 2 | 49 | 47 | 7.3 | 16 | 34 | 45 | 60 | 282 | 604 | 1230 | 316 | 147 |
| 3 | 89 | 47 | 7.3 | 16 | 40 | 45 | 60 | 426 | 847 | 1240 | 316 | 134 |
| 4 | 108 | 81 | 7.3 | 16 | 47 | 45 | 65 | 478 | 898 | 1160 | 269 | 115 |
| 5 | 115 | 92 | 7.3 | 16 | 49 | 34 | 70 | 681 | 851 | 1120 | 247 | 102 |
| 6 | 115 | 76 | 7.3 | 16 | 47 | 29 | 70 | 584 | 738 | 1300 | 267 | 92 |
| 7 | 106 | 70 | 7.3 | 16 | 46 | 29 | 70 | 337 | 962 | 1470 | 267 | 92 |
| 8 | 94 | 64 | 7.3 | 16 | 46 | 29 | 70 | 584 | 1090 | 1320 | 242 | 92 |
| 9 | 104 | 58 | 7.3 | 16 | 46 | 29 | 70 | 787 | 942 | 1060 | 223 | 92 |
| 10 | 111 | 60 | 7.3 | 16 | 27 | 29 | 70 | 706 | 702 | 910 | 223 | 119 |
| 11 | 117 | 60 | 6.0 | 16 | 13 | 29 | 70 | 639 | 554 | 946 | 210 | 134 |
| 12 | 134 | 60 | 3.8 | 16 | 34 | 29 | 70 | 604 | 471 | 882 | 194 | 128 |
| 13 | 134 | 64 | 1.2 | 16 | 27 | 29 | 68 | 760 | 478 | 824 | 194 | 119 |
| 14 | 136 | 71 | 2.7 | 16 | 24 | 35 | 68 | 982 | 515 | 836 | 194 | 119 |
| 15 | 134 | 61 | 6.6 | 16 | 32 | 42 | 71 | 1070 | 663 | 738 | 194 | 119 |
| 16 | 134 | 50 | 5.3 | 16 | 33 | 42 | 71 | 1230 | 898 | 611 | 194 | 117 |
| 17 | 115 | 50 | 9.9 | 16 | 33 | 45 | 70 | 1240 | 1090 | 667 | 194 | 111 |
| 18 | 99 | 34 | 9.9 | 16 | 41 | 47 | 70 | 1170 | 1170 | 742 | 172 | 97 |
| 19 | 99 | 7.9 | 7.3 | 16 | 46 | 47 | 70 | 1090 | 1400 | 749 | 120 | 84 |
| 20 | 99 | 7.9 | 3.0 | 16 | 47 | 47 | 70 | 1220 | 1420 | 746 | 124 | 81 |
| 21 | 96 | 7.9 | 1.3 | 16 | 45 | 47 | 70 | 1240 | 1370 | 746 | 170 | 81 |
| 22 | 65 | 7.9 | 1.3 | 16 | 45 | 47 | 70 | 1180 | 1320 | 601 | 233 | 71 |
| 23 | 40 | 7.9 | 1.2 | 16 | 45 | 47 | 68 | 1200 | 1300 | 496 | 252 | 65 |
| 24 | 33 | 7.9 | 1.2 | 16 | 45 | 47 | 89 | 1210 | 1300 | 568 | 205 | 82 |
| 25 | 33 | 7.9 | 1.2 | 16 | 45 | 47 | 134 | 1220 | 1300 | 538 | 185 | 108 |
| 26 | 34 | 7.9 | 1.2 | 16 | 45 | 47 | 162 | 1250 | 1280 | 487 | 212 | 119 |
| 27 | 34 | 1.2 | 1.2 | 16 | 45 | 49 | 160 | 1200 | 1380 | 484 | 176 | 119 |
| 28 | 38 | 2.1 | 1.2 | 16 | 45 | 5.1 | 160 | 974 | 1490 | 435 | 138 | 119 |
| 29 | 45 | 1.4 | 1.2 | 16 | --- | 5.1 | 158 | 667 | 1490 | 337 | 141 | 101 |
| 30 | 47 | 7.9 | 1.4 | 16 | --- | 5.1 | 168 | 490 | 1450 | 280 | 147 | 84 |
| 31 | 47 | --- | 1.6 | 16 | --- | 5.5 | --- | 500 | --- | 264 | 147 | --- |
| TOTAL | 2653 | 1210.1 | 587.3 | 496 | 1098 | 1290 | 2602 | 26193 | 30485 | 25077 | 6448 | 3190 |
| MEAN | 85.6 | 40.3 | 18.9 | 16.0 | 39.2 | 41.6 | 86.7 | 845 | 1016 | 809 | 208 | 106 |
| AC-FT | 5260 | 2400 | 1160 | 984 | 2180 | 2560 | 5160 | 51950 | 60470 | 49740 | 12790 | 6330 |
| MAX | 136 | 92 | 9.9 | 16 | 49 | 55 | 168 | 1250 | 1490 | 1470 | 316 | 147 |
| MIN | 33 | 7.9 | 1.2 | 16 | 13 | 29 | 60 | 192 | 471 | 264 | 120 | 65 |
| CAL YR 1985 TOTAL | 114989.4 | MEAN | 315 | MAX | 1440 | MIN | 1.2 | AC-FT | 228100 | | | |
| WTR YR 1986 TOTAL | 101329.4 | MEAN | 278 | MAX | 1490 | MIN | 1.2 | AC-FT | 201000 | | | |

MAX DISCH 1510 CFS AT 2100 07-JUL-1986 GH 5.06 FT. SHIFT 0.00 FT. MAX GH 5.06 FT. AT 2100 07-JUL-1986



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO (1987)

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

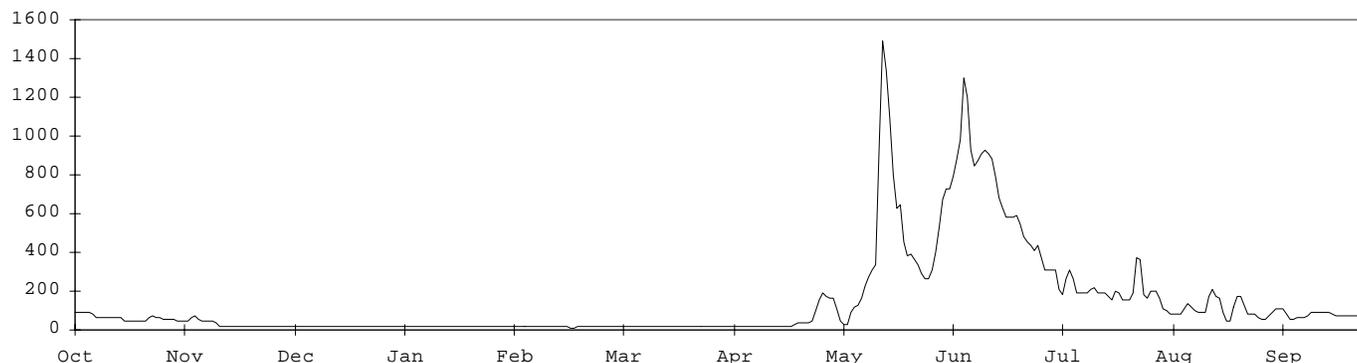
RATING TABLE.--LAKBTLC007 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|------|------|
| 1 | 89 | 47 | 15 | 15 | 15 | 15 | 15 | 176 | 399 | 377 | 198 | 55 |
| 2 | 89 | 47 | 15 | 15 | 14 | 15 | 15 | 166 | 525 | 313 | 198 | 55 |
| 3 | 89 | 61 | 15 | 15 | 15 | 15 | 15 | 166 | 670 | 313 | 162 | 70 |
| 4 | 89 | 73 | 15 | 15 | 15 | 15 | 15 | 105 | 724 | 313 | 113 | 94 |
| 5 | 89 | 57 | 15 | 15 | 15 | 15 | 15 | 45 | 724 | 313 | 97 | 108 |
| 6 | 78 | 47 | 15 | 15 | 15 | 15 | 15 | 25 | 787 | 209 | 79 | 106 |
| 7 | 65 | 47 | 15 | 16 | 15 | 15 | 15 | 30 | 882 | 185 | 79 | 108 |
| 8 | 67 | 49 | 15 | 15 | 15 | 15 | 15 | 92 | 982 | 262 | 79 | 86 |
| 9 | 67 | 49 | 15 | 15 | 15 | 15 | 15 | 115 | 1300 | 306 | 79 | 58 |
| 10 | 67 | 32 | 16 | 15 | 15 | 15 | 15 | 130 | 1200 | 267 | 108 | 58 |
| 11 | 67 | 16 | 15 | 15 | 15 | 15 | 15 | 168 | 926 | 192 | 136 | 64 |
| 12 | 67 | 16 | 15 | 15 | 15 | 15 | 15 | 228 | 843 | 192 | 115 | 68 |
| 13 | 67 | 16 | 15 | 15 | 15 | 15 | 15 | 272 | 871 | 192 | 101 | 68 |
| 14 | 60 | 16 | 15 | 15 | 15 | 15 | 15 | 311 | 910 | 190 | 94 | 74 |
| 15 | 50 | 16 | 15 | 16 | 15 | 15 | 15 | 337 | 930 | 207 | 89 | 87 |
| 16 | 50 | 16 | 15 | 16 | 15 | 15 | 15 | 936 | 906 | 216 | 89 | 92 |
| 17 | 50 | 16 | 15 | 16 | 15 | 15 | 15 | 1490 | 882 | 192 | 176 | 92 |
| 18 | 50 | 16 | 15 | 15 | 13 | 15 | 15 | 1340 | 787 | 192 | 210 | 92 |
| 19 | 50 | 16 | 15 | 16 | 13 | 15 | 15 | 1090 | 684 | 192 | 170 | 92 |
| 20 | 50 | 16 | 15 | 16 | 15 | 15 | 15 | 798 | 625 | 174 | 160 | 92 |
| 21 | 50 | 16 | 15 | 15 | 15 | 15 | 15 | 625 | 581 | 159 | 90 | 82 |
| 22 | 62 | 16 | 15 | 15 | 15 | 15 | 25 | 649 | 581 | 203 | 50 | 71 |
| 23 | 74 | 16 | 15 | 15 | 15 | 18 | 35 | 456 | 581 | 194 | 50 | 70 |
| 24 | 68 | 16 | 15 | 15 | 15 | 18 | 35 | 385 | 591 | 159 | 117 | 70 |
| 25 | 60 | 16 | 15 | 15 | 15 | 15 | 35 | 388 | 541 | 159 | 176 | 70 |
| 26 | 58 | 16 | 15 | 15 | 15 | 15 | 35 | 362 | 481 | 157 | 176 | 70 |
| 27 | 58 | 16 | 15 | 15 | 15 | 16 | 49 | 335 | 456 | 190 | 126 | 70 |
| 28 | 58 | 16 | 16 | 15 | 15 | 16 | 97 | 292 | 435 | 374 | 79 | 70 |
| 29 | 58 | 16 | 15 | 15 | --- | 15 | 153 | 262 | 408 | 363 | 79 | 70 |
| 30 | 50 | 15 | 15 | 15 | --- | 15 | 194 | 262 | 438 | 183 | 79 | 67 |
| 31 | 47 | --- | 15 | 15 | --- | 15 | --- | 308 | --- | 168 | 62 | --- |
| TOTAL | 1993 | 828 | 467 | 471 | 415 | 473 | 973 | 12344 | 21650 | 7106 | 3616 | 2329 |
| MEAN | 64.3 | 27.6 | 15.1 | 15.2 | 14.8 | 15.3 | 32.4 | 398 | 722 | 229 | 117 | 77.6 |
| AC-FT | 3950 | 1640 | 926 | 934 | 823 | 938 | 1930 | 24480 | 42940 | 14090 | 7170 | 4620 |
| MAX | 89 | 73 | 16 | 16 | 15 | 18 | 194 | 1490 | 1300 | 377 | 210 | 108 |
| MIN | 47 | 15 | 15 | 15 | 13 | 15 | 15 | 25 | 399 | 157 | 50 | 55 |

CAL YR 1986 TOTAL 100167 MEAN 274 MAX 1490 MIN 13 AC-FT 198700
WTR YR 1987 TOTAL 52665 MEAN 144 MAX 1490 MIN 13 AC-FT 104500

MAX DISCH 1510 CFS AT 1830 16-MAY-1987 GH 5.02 FT. SHIFT +.03 FT. MAX GH 5.02 FT. AT 1830 16-MAY-1987



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO (1988)

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

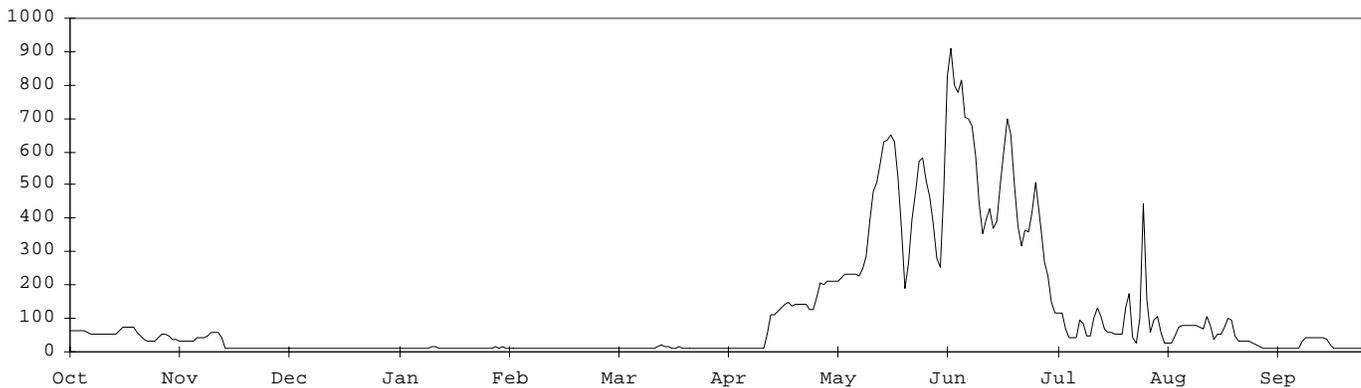
GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

RATING TABLE.--LAKBTLC007 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|---------|-------|-------|-------|------|------|------|-------|-------|--------|------|------|
| 1 | 64 | 32 | 10 | 10 | 11 | 10 | 10 | 203 | 385 | 370 | 57 | 16 |
| 2 | 64 | 33 | 10 | 10 | 11 | 10 | 10 | 210 | 279 | 272 | 96 | 12 |
| 3 | 64 | 33 | 10 | 10 | 11 | 10 | 10 | 214 | 252 | 227 | 105 | 12 |
| 4 | 64 | 34 | 10 | 10 | 11 | 10 | 10 | 212 | 487 | 149 | 60 | 12 |
| 5 | 65 | 34 | 10 | 10 | 11 | 10 | 10 | 210 | 824 | 116 | 29 | 12 |
| 6 | 60 | 40 | 10 | 10 | 11 | 10 | 10 | 223 | 909 | 117 | 29 | 12 |
| 7 | 55 | 40 | 10 | 10 | 11 | 10 | 10 | 233 | 797 | 118 | 28 | 11 |
| 8 | 52 | 40 | 10 | 10 | 11 | 10 | 10 | 233 | 780 | 71 | 49 | 11 |
| 9 | 52 | 49 | 11 | 10 | 11 | 10 | 10 | 232 | 814 | 40 | 75 | 11 |
| 10 | 52 | 60 | 10 | 10 | 11 | 10 | 10 | 232 | 705 | 40 | 82 | 11 |
| 11 | 51 | 60 | 10 | 16 | 11 | 10 | 10 | 229 | 699 | 40 | 82 | 12 |
| 12 | 52 | 59 | 10 | 16 | 11 | 10 | 10 | 247 | 675 | 94 | 82 | 11 |
| 13 | 52 | 40 | 11 | 9.8 | 11 | 10 | 10 | 285 | 589 | 84 | 81 | 32 |
| 14 | 53 | 8.8 | 10 | 10 | 11 | 10 | 10 | 385 | 444 | 50 | 81 | 42 |
| 15 | 66 | 8.7 | 10 | 9.9 | 11 | 16 | 53 | 480 | 355 | 48 | 74 | 42 |
| 16 | 75 | 9.8 | 10 | 10 | 11 | 20 | 110 | 510 | 397 | 102 | 68 | 42 |
| 17 | 75 | 11 | 10 | 10 | 11 | 14 | 110 | 564 | 426 | 134 | 106 | 42 |
| 18 | 75 | 11 | 10 | 10 | 11 | 14 | 120 | 630 | 369 | 105 | 82 | 42 |
| 19 | 76 | 10 | 10 | 10 | 11 | 13 | 133 | 636 | 389 | 69 | 39 | 42 |
| 20 | 60 | 11 | 10 | 10 | 11 | 13 | 142 | 650 | 505 | 58 | 55 | 35 |
| 21 | 50 | 10 | 10 | 10 | 11 | 14 | 146 | 629 | 605 | 58 | 54 | 19 |
| 22 | 39 | 10 | 10 | 10 | 10 | 12 | 138 | 522 | 696 | 55 | 72 | 12 |
| 23 | 32 | 10 | 10 | 10 | 10 | 12 | 142 | 371 | 652 | 51 | 102 | 12 |
| 24 | 32 | 10 | 10 | 10 | 10 | 11 | 142 | 191 | 498 | 52 | 95 | 12 |
| 25 | 32 | 10 | 10 | 10 | 10 | 11 | 143 | 263 | 377 | 130 | 46 | 11 |
| 26 | 41 | 10 | 10 | 11 | 10 | 12 | 142 | 395 | 319 | 173 | 31 | 12 |
| 27 | 55 | 10 | 9.9 | 11 | 10 | 11 | 128 | 483 | 367 | 42 | 32 | 11 |
| 28 | 53 | 10 | 10 | 11 | 10 | 10 | 129 | 574 | 358 | 27 | 32 | 11 |
| 29 | 45 | 10 | 10 | 17 | 10 | 10 | 165 | 581 | 417 | 102 | 32 | 12 |
| 30 | 37 | 10 | 10 | 11 | --- | 10 | 204 | 514 | 510 | 447 | 26 | 12 |
| 31 | 37 | --- | 10 | 17 | --- | 10 | --- | 468 | --- | 160 | 22 | --- |
| TOTAL | 1680 | 724.3 | 311.9 | 339.7 | 311 | 353 | 2287 | 11809 | 15879 | 3601 | 1904 | 586 |
| MEAN | 54.2 | 24.1 | 10.1 | 11.0 | 10.7 | 11.4 | 76.2 | 381 | 529 | 116 | 61.4 | 19.5 |
| AC-FT | 3330 | 1440 | 619 | 674 | 617 | 700 | 4540 | 23420 | 31500 | 7140 | 3780 | 1160 |
| MAX | 76 | 60 | 11 | 17 | 11 | 20 | 204 | 650 | 909 | 447 | 106 | 42 |
| MIN | 32 | 8.7 | 9.9 | 9.8 | 10 | 10 | 10 | 191 | 252 | 27 | 22 | 11 |
| CAL YR 1987 TOTAL | 52093.2 | | MEAN | 143 | MAX | 1490 | MIN | 8.7 | AC-FT | 103300 | | |
| WTR YR 1988 TOTAL | 39785.9 | | MEAN | 109 | MAX | 909 | MIN | 8.7 | AC-FT | 78920 | | |

MAX DISCH 962 CFS AT 1715 05-JUN-1988 GH 3.82 FT. SHIFT -0.01 FT. MAX GH 3.82 FT. AT 1715 05-JUN-1988



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO (1989)

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

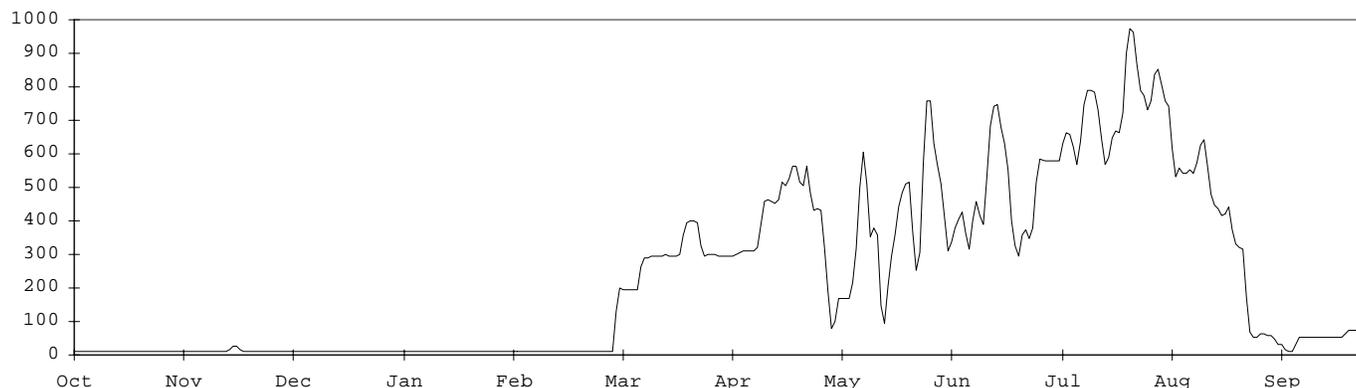
RATING TABLE.--LAKBTLC007 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|
| 1 | 12 | 12 | 12 | 12 | 12 | 12 | 296 | 323 | 631 | 583 | 760 | 61 |
| 2 | 12 | 12 | 12 | 12 | 12 | 12 | 295 | 187 | 567 | 579 | 839 | 61 |
| 3 | 12 | 12 | 12 | 12 | 12 | 131 | 295 | 79 | 508 | 581 | 854 | 59 |
| 4 | 12 | 12 | 12 | 12 | 12 | 198 | 294 | 98 | 413 | 579 | 803 | 60 |
| 5 | 12 | 12 | 12 | 12 | 12 | 196 | 297 | 170 | 308 | 578 | 758 | 46 |
| 6 | 12 | 12 | 12 | 12 | 12 | 195 | 299 | 170 | 336 | 578 | 742 | 32 |
| 7 | 12 | 12 | 12 | 12 | 12 | 196 | 303 | 170 | 378 | 632 | 615 | 32 |
| 8 | 12 | 12 | 12 | 12 | 12 | 196 | 311 | 171 | 407 | 664 | 532 | 18 |
| 9 | 12 | 12 | 12 | 12 | 12 | 197 | 310 | 214 | 424 | 658 | 557 | 13 |
| 10 | 12 | 12 | 12 | 12 | 12 | 262 | 308 | 314 | 362 | 621 | 541 | 13 |
| 11 | 12 | 12 | 12 | 12 | 12 | 292 | 312 | 499 | 318 | 571 | 544 | 33 |
| 12 | 12 | 12 | 12 | 12 | 12 | 292 | 319 | 604 | 399 | 639 | 551 | 53 |
| 13 | 12 | 12 | 12 | 12 | 12 | 294 | 392 | 512 | 460 | 749 | 540 | 53 |
| 14 | 12 | 18 | 12 | 11 | 12 | 295 | 458 | 354 | 414 | 787 | 572 | 53 |
| 15 | 12 | 28 | 12 | 12 | 12 | 295 | 461 | 377 | 391 | 789 | 628 | 53 |
| 16 | 12 | 28 | 12 | 12 | 12 | 295 | 456 | 356 | 532 | 782 | 641 | 53 |
| 17 | 12 | 18 | 12 | 12 | 12 | 298 | 455 | 147 | 685 | 732 | 561 | 52 |
| 18 | 12 | 12 | 12 | 12 | 12 | 295 | 465 | 94 | 740 | 643 | 477 | 52 |
| 19 | 12 | 12 | 12 | 12 | 12 | 293 | 515 | 203 | 746 | 568 | 446 | 51 |
| 20 | 12 | 12 | 12 | 12 | 13 | 295 | 503 | 293 | 678 | 587 | 438 | 51 |
| 21 | 12 | 12 | 13 | 12 | 12 | 298 | 528 | 358 | 634 | 648 | 416 | 51 |
| 22 | 12 | 12 | 13 | 12 | 13 | 360 | 563 | 442 | 551 | 666 | 423 | 51 |
| 23 | 12 | 12 | 12 | 12 | 13 | 396 | 561 | 484 | 398 | 661 | 441 | 51 |
| 24 | 12 | 12 | 12 | 12 | 13 | 398 | 516 | 513 | 324 | 723 | 376 | 51 |
| 25 | 12 | 12 | 12 | 12 | 13 | 401 | 506 | 514 | 296 | 899 | 329 | 65 |
| 26 | 12 | 12 | 13 | 12 | 13 | 397 | 561 | 371 | 357 | 975 | 319 | 75 |
| 27 | 12 | 12 | 13 | 12 | 12 | 328 | 485 | 252 | 372 | 964 | 316 | 75 |
| 28 | 12 | 12 | 13 | 12 | 11 | 297 | 430 | 303 | 345 | 866 | 176 | 75 |
| 29 | 12 | 12 | 12 | 12 | --- | 298 | 436 | 572 | 381 | 792 | 68 | 76 |
| 30 | 12 | 12 | 12 | 12 | --- | 298 | 433 | 759 | 515 | 774 | 51 | 74 |
| 31 | 12 | --- | 12 | 12 | --- | 298 | --- | 758 | --- | 734 | 55 | --- |
| TOTAL | 372 | 404 | 377 | 371 | 341 | 8308 | 12363 | 10661 | 13870 | 21602 | 15369 | 1543 |
| MEAN | 12.0 | 13.5 | 12.2 | 12.0 | 12.2 | 268 | 412 | 344 | 462 | 697 | 496 | 51.4 |
| AC-FT | 738 | 801 | 748 | 736 | 676 | 16480 | 24520 | 21150 | 27510 | 42850 | 30480 | 3060 |
| MAX | 12 | 28 | 13 | 12 | 13 | 401 | 563 | 759 | 746 | 975 | 854 | 76 |
| MIN | 12 | 12 | 12 | 11 | 11 | 12 | 294 | 79 | 296 | 568 | 51 | 13 |

CAL YR 1988 TOTAL 38222.7 MEAN 104 MAX 909 MIN 9.8 AC-FT 75810
WTR YR 1989 TOTAL 85581 MEAN 234 MAX 975 MIN 11 AC-FT 169700

MAX DISCH 990 CFS AT 1330 25-JUL-1989 GH 3.89 FT. SHIFT -0.01 FT. MAX GH 3.89 FT. AT 1330 25-JUL-1989



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO (1990)

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on left bank 2.4 miles upstream from junction of Lake Creek and Arkansas River.

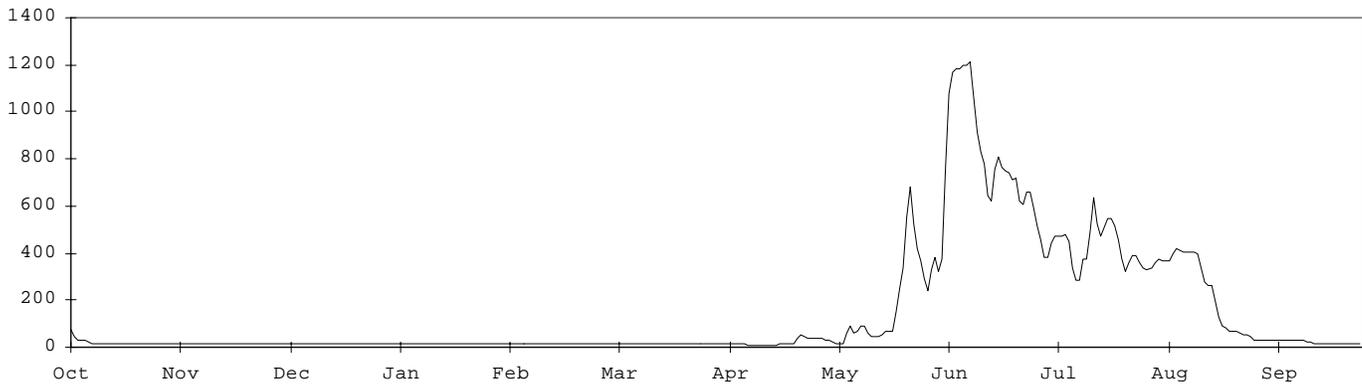
GAGE.--Water-stage recorder and concrete flume. Datum of gage is 9,200 ft. above mean sea level.

RATING TABLE.--LAKBTLCO07 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|------|---------|------|------|------|------|-------|------|-------|--------|-------|------|
| 1 | 74 | 14 | 14 | 14 | 13 | 13 | 13 | 35 | 327 | 516 | 332 | 28 |
| 2 | 47 | 14 | 14 | 14 | 13 | 13 | 13 | 33 | 382 | 459 | 340 | 28 |
| 3 | 28 | 14 | 14 | 15 | 13 | 13 | 13 | 32 | 321 | 382 | 360 | 29 |
| 4 | 28 | 14 | 14 | 15 | 13 | 13 | 13 | 20 | 371 | 382 | 371 | 29 |
| 5 | 27 | 14 | 14 | 14 | 13 | 13 | 14 | 13 | 757 | 438 | 368 | 29 |
| 6 | 21 | 14 | 14 | 13 | 13 | 14 | 13 | 13 | 1080 | 474 | 368 | 29 |
| 7 | 13 | 14 | 14 | 13 | 13 | 13 | 13 | 13 | 1170 | 474 | 368 | 29 |
| 8 | 13 | 14 | 14 | 13 | 14 | 13 | 13 | 62 | 1180 | 474 | 396 | 29 |
| 9 | 13 | 14 | 15 | 13 | 13 | 13 | 14 | 88 | 1180 | 478 | 417 | 29 |
| 10 | 13 | 15 | 15 | 14 | 13 | 13 | 10 | 61 | 1200 | 447 | 411 | 29 |
| 11 | 14 | 14 | 14 | 14 | 13 | 13 | 7.9 | 71 | 1200 | 338 | 408 | 30 |
| 12 | 14 | 14 | 14 | 14 | 13 | 13 | 7.3 | 92 | 1210 | 282 | 405 | 30 |
| 13 | 15 | 15 | 14 | 14 | 13 | 13 | 7.3 | 92 | 1060 | 285 | 402 | 30 |
| 14 | 14 | 15 | 14 | 14 | 13 | 13 | 7.3 | 61 | 914 | 377 | 402 | 27 |
| 15 | 14 | 15 | 14 | 14 | 14 | 13 | 7.3 | 42 | 832 | 377 | 399 | 19 |
| 16 | 15 | 15 | 13 | 14 | 14 | 13 | 7.3 | 42 | 779 | 487 | 340 | 19 |
| 17 | 15 | 14 | 13 | 14 | 13 | 13 | 7.5 | 42 | 646 | 638 | 274 | 16 |
| 18 | 14 | 14 | 14 | 14 | 13 | 12 | 7.5 | 53 | 624 | 525 | 262 | 12 |
| 19 | 14 | 14 | 15 | 15 | 14 | 13 | 13 | 67 | 753 | 474 | 262 | 12 |
| 20 | 14 | 14 | 14 | 15 | 13 | 13 | 16 | 67 | 806 | 512 | 198 | 12 |
| 21 | 14 | 14 | 14 | 15 | 13 | 13 | 16 | 67 | 764 | 544 | 124 | 12 |
| 22 | 14 | 14 | 14 | 15 | 13 | 13 | 15 | 147 | 749 | 544 | 92 | 12 |
| 23 | 14 | 14 | 14 | 14 | 13 | 14 | 16 | 247 | 738 | 516 | 84 | 12 |
| 24 | 15 | 14 | 13 | 14 | 13 | 14 | 36 | 335 | 713 | 459 | 70 | 12 |
| 25 | 15 | 15 | 13 | 15 | 13 | 14 | 51 | 551 | 720 | 377 | 64 | 12 |
| 26 | 15 | 15 | 13 | 14 | 13 | 13 | 44 | 680 | 624 | 324 | 64 | 12 |
| 27 | 15 | 14 | 14 | 14 | 13 | 13 | 37 | 522 | 608 | 363 | 58 | 12 |
| 28 | 15 | 14 | 14 | 14 | 13 | 14 | 35 | 417 | 660 | 393 | 53 | 12 |
| 29 | 15 | 15 | 15 | 14 | --- | 14 | 36 | 368 | 660 | 393 | 53 | 12 |
| 30 | 15 | 14 | 14 | 14 | --- | 13 | 35 | 290 | 595 | 357 | 45 | 12 |
| 31 | 14 | --- | 14 | 14 | --- | 13 | --- | 240 | --- | 335 | 33 | --- |
| TOTAL | 581 | 428 | 433 | 437 | 368 | 408 | 538.4 | 4863 | 23623 | 13424 | 7823 | 615 |
| MEAN | 18.7 | 14.3 | 14.0 | 14.1 | 13.1 | 13.2 | 17.9 | 157 | 787 | 433 | 252 | 20.5 |
| AC-FT | 1150 | 849 | 859 | 867 | 730 | 809 | 1070 | 9650 | 46860 | 26630 | 15520 | 1220 |
| MAX | 74 | 15 | 15 | 15 | 14 | 14 | 51 | 680 | 1210 | 638 | 417 | 30 |
| MIN | 13 | 14 | 13 | 13 | 13 | 12 | 7.3 | 13 | 321 | 282 | 33 | 12 |
| CAL YR 1989 TOTAL | | 85870 | MEAN | 235 | MAX | 975 | MIN | 11 | AC-FT | 170300 | | |
| WTR YR 1990 TOTAL | | 53541.4 | MEAN | 147 | MAX | 1210 | MIN | 7.3 | AC-FT | 106200 | | |

MAX DISCH 1215 CFS AT 1945 10-JUN-1990 GH 4.43 FT. SHIFT -0.02 FT. MAX GH 4.43 FT. AT 1945 10-JUN-1990



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1980)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A

GAGE.--Graphic water stage recorder in a 5' shelter and well.

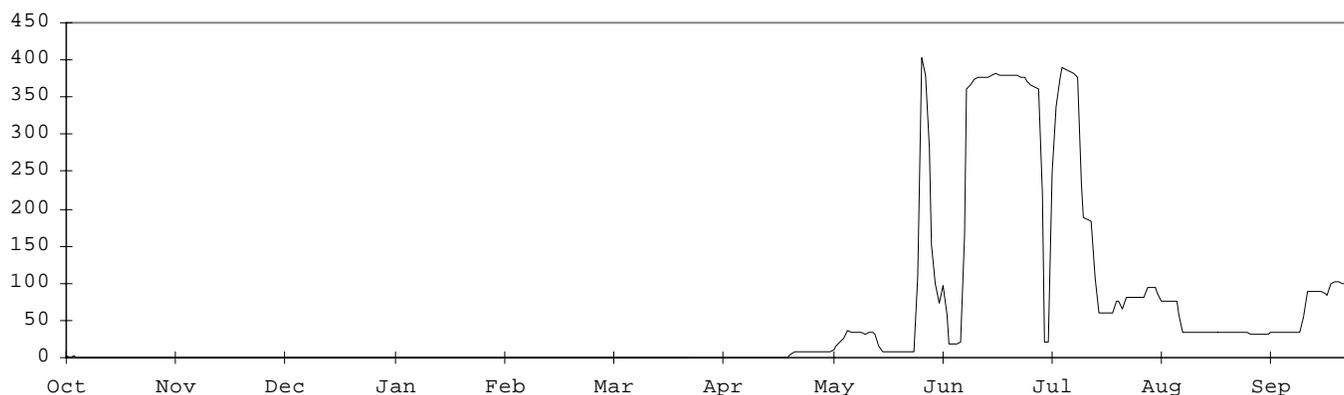
RATING TABLE.--CCBCRC001 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-----|-----|-----|-----|------|--------|-------|-------|------|------|
| 1 | 1.5 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 282 | 364 | 95 | 32 |
| 2 | 1.2 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 152 | 361 | 94 | 32 |
| 3 | 1.5 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 100 | 219 | 94 | 32 |
| 4 | 0.60 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 74 | 21 | 94 | 32 |
| 5 | 0.30 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 96 | 21 | 86 | 32 |
| 6 | 0.60 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 58 | 248 | 77 | 33 |
| 7 | 0.60 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 18 | 337 | 77 | 33 |
| 8 | 0.90 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 19 | 374 | 77 | 33 |
| 9 | 0.60 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36 | 19 | 389 | 77 | 33 |
| 10 | 0.60 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34 | 20 | 387 | 76 | 34 |
| 11 | 0.60 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34 | 166 | 384 | 57 | 34 |
| 12 | 0.30 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 361 | 382 | 34 | 34 |
| 13 | 0.30 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 366 | 378 | 33 | 34 |
| 14 | 0.0 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 374 | 233 | 33 | 34 |
| 15 | 0.0 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 376 | 188 | 33 | 55 |
| 16 | 0.0 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 376 | 186 | 33 | 88 |
| 17 | 0.0 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 376 | 184 | 33 | 88 |
| 18 | 0.0 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 378 | 106 | 33 | 88 |
| 19 | 0.0 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 380 | 60 | 33 | 88 |
| 20 | 0.30 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 382 | 59 | 34 | 88 |
| 21 | 0.30 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 380 | 59 | 34 | 86 |
| 22 | 0.30 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 380 | 59 | 34 | 83 |
| 23 | 0.60 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 8.0 | 380 | 59 | 34 | 100 |
| 24 | 0.90 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 7.5 | 380 | 75 | 33 | 101 |
| 25 | 0.90 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 7.5 | 380 | 75 | 33 | 101 |
| 26 | 0.60 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 8.0 | 380 | 66 | 33 | 100 |
| 27 | 0.60 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 8.0 | 378 | 82 | 33 | 100 |
| 28 | 0.60 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 8.0 | 376 | 95 | 33 | 83 |
| 29 | 0.60 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 109 | 372 | 95 | 33 | 71 |
| 30 | 0.60 | 0.30 | 0.0 | 0.0 | --- | 0.0 | 9.0 | 403 | 366 | 95 | 33 | 70 |
| 31 | 0.60 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 380 | --- | 95 | 32 | --- |
| TOTAL | 16.50 | 10.20 | 0.0 | 0.0 | 0.0 | 0.0 | 68.0 | 1394.0 | 8145 | 5736 | 1568 | 1852 |
| MEAN | 0.53 | 0.34 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27 | 45.0 | 272 | 185 | 50.6 | 61.7 |
| AC-FT | 33 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 135 | 2760 | 16160 | 11380 | 3110 | 3670 |
| MAX | 1.5 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 403 | 382 | 389 | 95 | 101 |
| MIN | 0.0 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 18 | 21 | 32 | 32 |

CAL YR 1979 TOTAL 24547.70 MEAN 67.3 MAX 372 MIN 0.00 AC-FT 48690
WTR YR 1980 TOTAL 18789.70 MEAN 51.3 MAX 403 MIN 0.00 AC-FT 37270

MAX DISCH 418 CFS AT 2000 29-MAY-1980 GH 3.81 FT. SHIFT 0.0 FT. MAX GH 3.81 FT. AT 2000 29-MAY-1980



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1981)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A

GAGE.--Graphic water stage in a 5' shelter and well.

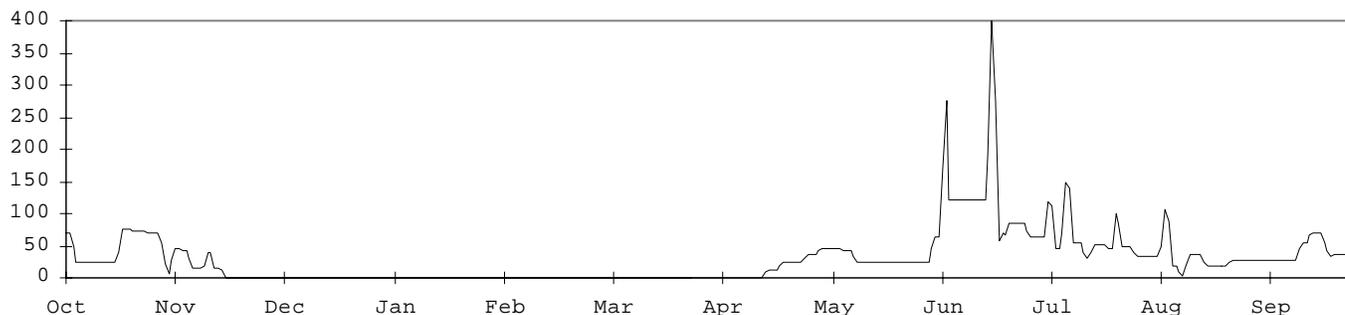
RATING TABLE.--CCBCCRC001 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|--------|-----|-----|-----|-----|-------|------|------|------|-------|------|
| 1 | 70 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 24 | 63 | 32 | 28 |
| 2 | 70 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41 | 24 | 63 | 32 | 28 |
| 3 | 47 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45 | 44 | 63 | 32 | 28 |
| 4 | 23 | 41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45 | 63 | 63 | 32 | 28 |
| 5 | 23 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44 | 63 | 63 | 33 | 28 |
| 6 | 23 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44 | 174 | 118 | 33 | 27 |
| 7 | 23 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44 | 275 | 113 | 49 | 27 |
| 8 | 23 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44 | 120 | 45 | 107 | 27 |
| 9 | 23 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43 | 120 | 45 | 89 | 27 |
| 10 | 23 | 39 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43 | 120 | 70 | 19 | 28 |
| 11 | 23 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43 | 120 | 148 | 19 | 28 |
| 12 | 23 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 120 | 140 | 10 | 28 |
| 13 | 23 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 120 | 56 | 2.7 | 28 |
| 14 | 23 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 120 | 56 | 20 | 28 |
| 15 | 23 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 120 | 56 | 36 | 44 |
| 16 | 40 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 120 | 39 | 36 | 55 |
| 17 | 76 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 | 23 | 120 | 30 | 36 | 54 |
| 18 | 76 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 24 | 120 | 39 | 36 | 66 |
| 19 | 75 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 24 | 191 | 52 | 24 | 71 |
| 20 | 74 | 0.60 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 24 | 399 | 52 | 19 | 71 |
| 21 | 74 | 0.50 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 24 | 276 | 52 | 19 | 70 |
| 22 | 74 | 0.50 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 24 | 57 | 52 | 19 | 55 |
| 23 | 72 | 0.50 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 23 | 70 | 44 | 18 | 42 |
| 24 | 71 | 0.50 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 23 | 68 | 44 | 18 | 34 |
| 25 | 71 | 0.50 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 23 | 84 | 100 | 18 | 37 |
| 26 | 71 | 0.50 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 24 | 84 | 86 | 24 | 37 |
| 27 | 70 | 0.50 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 24 | 84 | 48 | 28 | 36 |
| 28 | 56 | 0.50 | 0.0 | 0.0 | 0.0 | 0.0 | 30 | 23 | 84 | 48 | 28 | 36 |
| 29 | 22 | 0.50 | 0.0 | 0.0 | --- | 0.0 | 35 | 23 | 84 | 48 | 28 | 37 |
| 30 | 5.0 | 0.50 | 0.0 | 0.0 | --- | 0.0 | 35 | 23 | 72 | 38 | 28 | 38 |
| 31 | 28 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 23 | --- | 32 | 28 | --- |
| TOTAL | 1418.0 | 397.60 | 0.0 | 0.0 | 0.0 | 0.0 | 303.6 | 947 | 3540 | 1966 | 952.7 | 1171 |
| MEAN | 45.7 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 30.5 | 118 | 63.4 | 30.7 | 39.0 |
| AC-FT | 2810 | 789 | 0.0 | 0.0 | 0.0 | 0.0 | 602 | 1880 | 7020 | 3900 | 1890 | 2320 |
| MAX | 76 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 45 | 399 | 148 | 107 | 71 |
| MIN | 5.0 | 0.50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 24 | 30 | 2.7 | 27 |

CAL YR 1980 TOTAL 20578.60 MEAN 56.2 MAX 403 MIN 0.00 AC-FT 40820
WTR YR 1981 TOTAL 10695.90 MEAN 29.3 MAX 399 MIN 0.00 AC-FT 21220

MAX DISCH 406 CFS AT 1800 19-JUN-1981 GH 3.75 FT. SHIFT 0.0 FT. MAX GH 3.75 FT. AT 1800 19-JUN-1981



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1982)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A

GAGE.--Graphic water stage recorder in a 5' shelter and well.

RATING TABLE.--CCBCCR001 USED FROM 01-OCT-1981 TO 23-OCT-1981

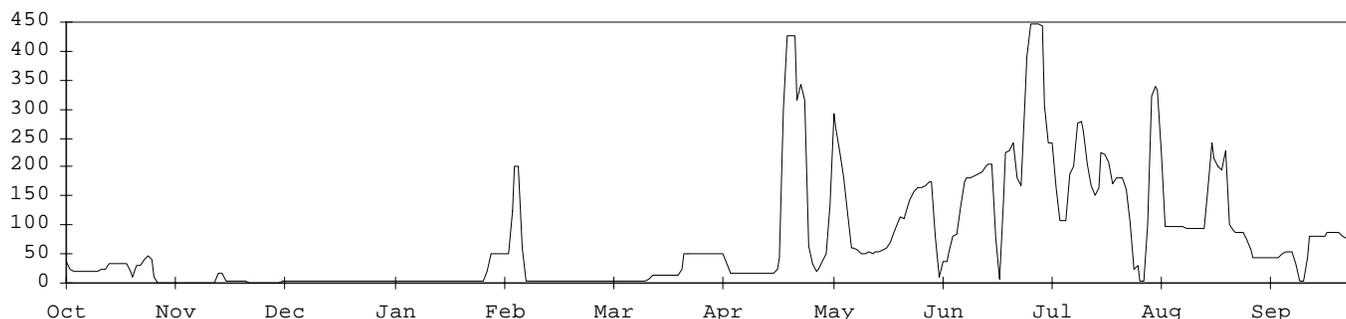
RATING TABLE.--CCBCCR002 USED FROM 24-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|------|------|-------|-------|-------|------|------|--------|-------|--------|--------|
| 1 | 36 | 1.5 | 1.7 | 2.0 | 50 | 2.0 | 49 | 20 | 169 | 446 | 1.7 | 57 |
| 2 | 25 | 1.5 | 1.7 | 2.0 | 50 | 2.0 | 49 | 23 | 176 | 446 | 1.7 | 44 |
| 3 | 20 | 1.5 | 1.7 | 2.0 | 50 | 2.0 | 49 | 36 | 176 | 446 | 102 | 44 |
| 4 | 20 | 1.5 | 1.7 | 2.0 | 125 | 2.0 | 49 | 49 | 79 | 443 | 321 | 42 |
| 5 | 20 | 1.5 | 1.7 | 2.0 | 200 | 2.0 | 49 | 136 | 8.7 | 306 | 340 | 42 |
| 6 | 20 | 1.5 | 1.8 | 2.0 | 200 | 2.0 | 32 | 292 | 36 | 241 | 333 | 42 |
| 7 | 21 | 1.5 | 1.8 | 2.0 | 60 | 2.0 | 17 | 265 | 38 | 241 | 224 | 42 |
| 8 | 21 | 1.5 | 1.8 | 2.0 | 2.0 | 2.0 | 17 | 226 | 53 | 166 | 98 | 42 |
| 9 | 21 | 1.5 | 1.8 | 2.0 | 2.0 | 2.0 | 17 | 180 | 80 | 109 | 98 | 42 |
| 10 | 21 | 1.4 | 1.8 | 2.0 | 2.0 | 2.0 | 17 | 121 | 84 | 109 | 96 | 52 |
| 11 | 22 | 1.4 | 1.8 | 2.0 | 2.0 | 2.0 | 17 | 62 | 130 | 109 | 96 | 55 |
| 12 | 24 | 1.4 | 1.8 | 2.0 | 2.0 | 2.0 | 17 | 59 | 174 | 189 | 96 | 54 |
| 13 | 32 | 17 | 1.8 | 2.0 | 2.0 | 2.0 | 17 | 56 | 180 | 202 | 96 | 54 |
| 14 | 33 | 18 | 1.8 | 2.0 | 2.0 | 2.0 | 17 | 52 | 183 | 274 | 95 | 35 |
| 15 | 35 | 2.0 | 1.8 | 2.0 | 2.0 | 7.5 | 17 | 52 | 185 | 280 | 95 | 2.6 |
| 16 | 35 | 1.7 | 1.9 | 2.0 | 2.0 | 13 | 17 | 53 | 187 | 262 | 95 | 2.6 |
| 17 | 32 | 1.7 | 1.9 | 2.0 | 2.0 | 13 | 17 | 52 | 193 | 204 | 95 | 42 |
| 18 | 32 | 1.7 | 1.9 | 2.0 | 2.0 | 13 | 17 | 53 | 202 | 167 | 95 | 79 |
| 19 | 19 | 1.7 | 1.9 | 2.0 | 2.0 | 13 | 17 | 55 | 204 | 150 | 95 | 80 |
| 20 | 10 | 1.7 | 1.9 | 2.0 | 2.0 | 13 | 25 | 56 | 206 | 166 | 168 | 79 |
| 21 | 30 | 1.7 | 1.9 | 2.0 | 2.0 | 13 | 42 | 60 | 77 | 224 | 243 | 80 |
| 22 | 30 | 1.4 | 1.9 | 2.0 | 2.0 | 13 | 300 | 69 | 7.0 | 222 | 214 | 80 |
| 23 | 39 | 1.4 | 1.9 | 2.0 | 2.0 | 13 | 425 | 79 | 144 | 209 | 202 | 86 |
| 24 | 48 | 1.4 | 1.9 | 2.0 | 2.0 | 24 | 425 | 98 | 226 | 172 | 196 | 88 |
| 25 | 41 | 1.4 | 1.9 | 2.0 | 2.0 | 49 | 425 | 114 | 228 | 182 | 230 | 87 |
| 26 | 10 | 1.4 | 2.0 | 2.0 | 2.0 | 49 | 314 | 110 | 241 | 182 | 101 | 87 |
| 27 | 1.5 | 1.4 | 2.0 | 2.0 | 2.0 | 49 | 342 | 136 | 180 | 182 | 89 | 82 |
| 28 | 1.5 | 1.4 | 2.0 | 20 | 2.0 | 49 | 314 | 144 | 167 | 162 | 88 | 78 |
| 29 | 1.5 | 1.4 | 2.0 | 50 | --- | 49 | 64 | 157 | 311 | 105 | 88 | 78 |
| 30 | 1.5 | 1.4 | 2.0 | 50 | --- | 49 | 35 | 164 | 390 | 24 | 87 | 78 |
| 31 | 1.5 | --- | 2.0 | 50 | --- | 49 | --- | 166 | --- | 31 | 74 | --- |
| TOTAL | 704.5 | 77.5 | 57.5 | 224.0 | 777.0 | 506.5 | 3209 | 3195 | 4714.7 | 6651 | 4253.4 | 1756.2 |
| MEAN | 22.7 | 2.58 | 1.85 | 7.23 | 27.8 | 16.3 | 107 | 103 | 157 | 215 | 137 | 58.5 |
| AC-FT | 1400 | 154 | 114 | 444 | 1540 | 1000 | 6370 | 6340 | 9350 | 13190 | 8440 | 3480 |
| MAX | 48 | 18 | 2.0 | 50 | 200 | 49 | 425 | 292 | 390 | 446 | 340 | 88 |
| MIN | 1.5 | 1.4 | 1.7 | 2.0 | 2.0 | 2.0 | 17 | 20 | 7.0 | 24 | 1.7 | 2.6 |

CAL YR 1981 TOTAL 9719.8 MEAN 26.6 MAX 399 MIN 0.00 AC-FT 19280
WTR YR 1982 TOTAL 26126.3 MEAN 71.6 MAX 446 MIN 1.4 AC-FT 51820

MAX DISCH 461 CFS AT 1300 12-JUL-1982 GH 2.87 FT. SHIFT 0.0 FT. MAX GH 2.87 FT. AT 1300 12-JUL-1982



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1983)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A

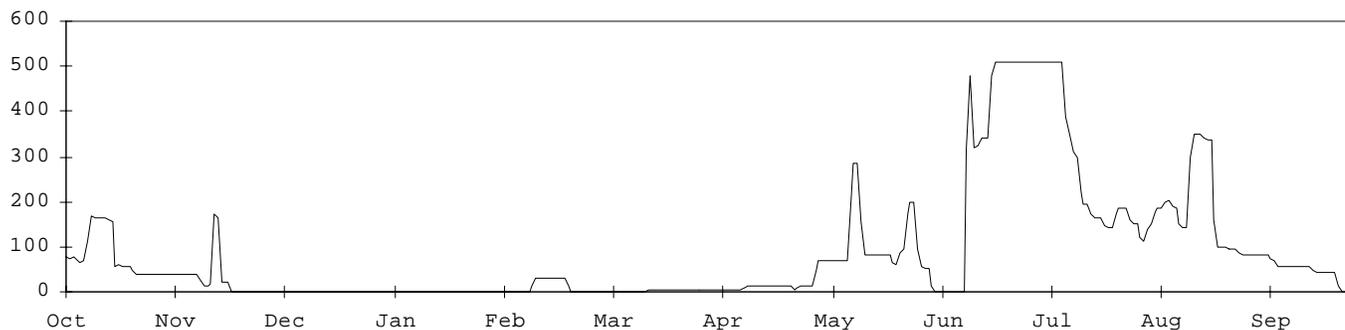
GAGE.--Graphic water stage recorder in a 5' shelter and well.

RATING TABLE.--CCBCCR002 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|---------|------|------|------|------|-------|-------|------|-------|-------|-------|------|
| 1 | 78 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 46 | 50 | 508 | 121 | 84 |
| 2 | 75 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 71 | 50 | 508 | 112 | 84 |
| 3 | 77 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 71 | 13 | 508 | 140 | 84 |
| 4 | 74 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 71 | 0.0 | 508 | 150 | 84 |
| 5 | 64 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 71 | 0.0 | 508 | 176 | 84 |
| 6 | 68 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 71 | 0.0 | 508 | 185 | 84 |
| 7 | 113 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 71 | 0.0 | 508 | 185 | 74 |
| 8 | 167 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 71 | 0.0 | 508 | 200 | 71 |
| 9 | 166 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 71 | 0.0 | 508 | 205 | 58 |
| 10 | 164 | 14 | 0.0 | 0.0 | 11 | 0.0 | 6.0 | 71 | 0.0 | 508 | 190 | 54 |
| 11 | 162 | 17 | 0.0 | 0.0 | 30 | 0.0 | 9.8 | 212 | 0.0 | 390 | 185 | 54 |
| 12 | 162 | 171 | 0.0 | 0.0 | 30 | 0.0 | 11 | 283 | 0.0 | 350 | 153 | 54 |
| 13 | 160 | 164 | 0.0 | 0.0 | 30 | 0.0 | 11 | 283 | 314 | 312 | 142 | 54 |
| 14 | 155 | 20 | 0.0 | 0.0 | 30 | 0.0 | 11 | 154 | 480 | 300 | 142 | 54 |
| 15 | 57 | 20 | 0.0 | 0.0 | 30 | 4.5 | 11 | 84 | 319 | 221 | 298 | 54 |
| 16 | 59 | 20 | 0.0 | 0.0 | 30 | 6.0 | 11 | 84 | 323 | 195 | 350 | 54 |
| 17 | 56 | 0.0 | 0.0 | 0.0 | 30 | 6.0 | 11 | 84 | 342 | 195 | 350 | 54 |
| 18 | 56 | 0.0 | 0.0 | 0.0 | 30 | 6.0 | 11 | 84 | 342 | 172 | 350 | 54 |
| 19 | 55 | 0.0 | 0.0 | 0.0 | 30 | 6.0 | 11 | 84 | 342 | 165 | 339 | 47 |
| 20 | 48 | 0.0 | 0.0 | 0.0 | 11 | 6.0 | 11 | 82 | 479 | 165 | 335 | 44 |
| 21 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 11 | 82 | 508 | 165 | 335 | 44 |
| 22 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 11 | 82 | 508 | 148 | 161 | 44 |
| 23 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 11 | 65 | 508 | 142 | 98 | 44 |
| 24 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 11 | 60 | 508 | 142 | 98 | 44 |
| 25 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 4.1 | 85 | 508 | 174 | 98 | 44 |
| 26 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 6.9 | 93 | 508 | 185 | 96 | 11 |
| 27 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 11 | 172 | 508 | 185 | 96 | 0.0 |
| 28 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 11 | 199 | 508 | 185 | 96 | 0.0 |
| 29 | 38 | 0.0 | 0.0 | 0.0 | --- | 6.0 | 11 | 199 | 508 | 159 | 87 | 251 |
| 30 | 40 | 0.0 | 0.0 | 0.0 | --- | 6.0 | 11 | 95 | 508 | 150 | 84 | 335 |
| 31 | 40 | --- | 0.0 | 0.0 | --- | 6.0 | --- | 56 | --- | 150 | 84 | --- |
| TOTAL | 2438 | 743 | 0.0 | 0.0 | 292 | 100.5 | 267.8 | 3307 | 8134 | 9330 | 5641 | 2101 |
| MEAN | 78.6 | 24.8 | 0.0 | 0.0 | 10.4 | 3.24 | 8.93 | 107 | 271 | 301 | 182 | 70.0 |
| AC-FT | 4840 | 1470 | 0.0 | 0.0 | 579 | 199 | 531 | 6560 | 16130 | 18510 | 11190 | 4170 |
| MAX | 167 | 171 | 0.0 | 0.0 | 30 | 6.0 | 11 | 283 | 508 | 508 | 350 | 335 |
| MIN | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 46 | 0.0 | 142 | 84 | 0.0 |
| CAL YR 1982 TOTAL | 28467.8 | | MEAN | 78.0 | MAX | 446 | MIN | 0.00 | AC-FT | 56470 | | |
| WTR YR 1983 TOTAL | 32354.3 | | MEAN | 88.6 | MAX | 508 | MIN | 0.00 | AC-FT | 64170 | | |

MAX DAILY DISCH 508 CFS 21-JUN-1983



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1984)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A

GAGE.--Graphic water stage recorder in a 5' shelter and well.

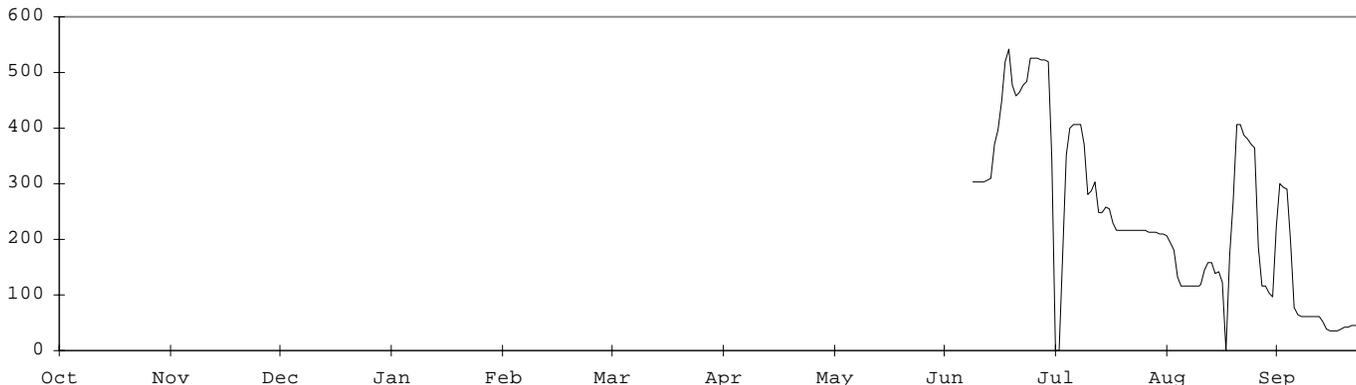
REMARKS.--Records incomplete.

RATING TABLE.-- CCBCCRCO02 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|------|
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 527 | 214 | 187 |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 524 | 212 | 115 |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 521 | 212 | 115 |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 518 | 210 | 103 |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 345 | 210 | 98 |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0 | 208 | 222 |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.0 | 193 | 299 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 172 | 182 | 294 |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 352 | 132 | 290 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 400 | 115 | 192 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 405 | 115 | 78 |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 405 | 116 | 66 |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 304 | 115 | 62 |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 304 | 116 | 62 |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 304 | 116 | 62 |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 304 | 118 | 60 |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 306 | 146 | 60 |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 309 | 157 | 60 |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 372 | 157 | 53 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 398 | 139 | 38 |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 449 | 142 | 35 |
| 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 518 | 121 | 35 |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 541 | 0.0 | 36 |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 476 | 170 | 38 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 458 | 268 | 42 |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 464 | 405 | 42 |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 476 | 405 | 44 |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 485 | 388 | 44 |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 527 | 380 | 44 |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 527 | 372 | 44 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 216 | 365 | --- |
| TOTAL | | | | | | | | | | 8997 | 6199 | 2920 |
| MEAN | | | | | | | | | | 290 | 200 | 97.3 |
| AC-FT | | | | | | | | | | 17850 | 12300 | 5790 |
| MAX | | | | | | | | | | 527 | 405 | 299 |
| MIN | | | | | | | | | | 0.0 | 0.0 | 35 |

WTR YR 1984 TOTAL 18116 MEAN 49.5 MAX 527 MIN 0.00 AC-FT 35930



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1985)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

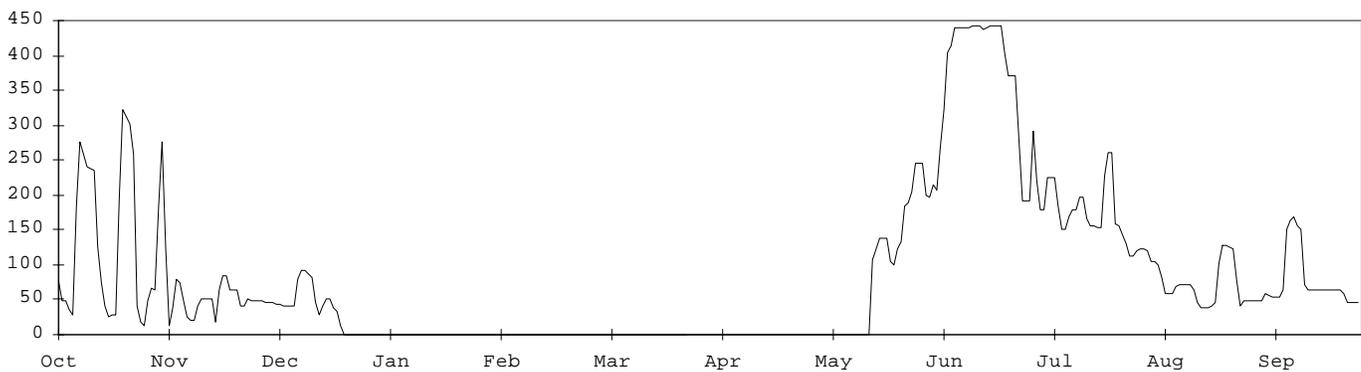
DRAINAGE AREA.--N/A

GAGE.--Graphic water stage recorder in a 5' shelter and well.

RATING TABLE.--CCBCCRC002 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|------|------|------|-----|-----|-----|------|-------|-------|------|------|
| 1 | 77 | 12 | 44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 200 | 292 | 124 | 48 |
| 2 | 49 | 38 | 43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 198 | 220 | 121 | 48 |
| 3 | 48 | 79 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 216 | 180 | 105 | 48 |
| 4 | 36 | 73 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 206 | 180 | 105 | 58 |
| 5 | 28 | 49 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 269 | 226 | 100 | 56 |
| 6 | 184 | 26 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 323 | 226 | 82 | 53 |
| 7 | 276 | 21 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 405 | 226 | 59 | 54 |
| 8 | 258 | 21 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 415 | 185 | 59 | 54 |
| 9 | 241 | 41 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 440 | 152 | 60 | 64 |
| 10 | 239 | 51 | 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 440 | 152 | 69 | 150 |
| 11 | 236 | 51 | 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 440 | 169 | 71 | 164 |
| 12 | 126 | 51 | 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 440 | 180 | 72 | 169 |
| 13 | 73 | 50 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 440 | 180 | 72 | 155 |
| 14 | 40 | 17 | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 443 | 198 | 72 | 150 |
| 15 | 26 | 65 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 443 | 198 | 65 | 72 |
| 16 | 27 | 85 | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 443 | 166 | 47 | 64 |
| 17 | 27 | 85 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 108 | 438 | 157 | 38 | 64 |
| 18 | 194 | 65 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 124 | 440 | 155 | 38 | 64 |
| 19 | 321 | 65 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 139 | 443 | 154 | 38 | 64 |
| 20 | 311 | 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 139 | 443 | 154 | 42 | 64 |
| 21 | 302 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 139 | 443 | 228 | 47 | 64 |
| 22 | 258 | 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 106 | 443 | 262 | 101 | 64 |
| 23 | 40 | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 99 | 405 | 262 | 128 | 64 |
| 24 | 18 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 124 | 372 | 159 | 128 | 64 |
| 25 | 13 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 134 | 372 | 157 | 126 | 63 |
| 26 | 49 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 183 | 372 | 144 | 124 | 59 |
| 27 | 66 | 48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 189 | 278 | 130 | 77 | 46 |
| 28 | 65 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 204 | 191 | 112 | 40 | 46 |
| 29 | 182 | 46 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 245 | 191 | 112 | 48 | 46 |
| 30 | 276 | 45 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 245 | 191 | 120 | 48 | 46 |
| 31 | 122 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 245 | --- | 124 | 48 | --- |
| TOTAL | 4208 | 1470 | 981 | 0.0 | 0.0 | 0.0 | 0.0 | 2423 | 10783 | 5560 | 2354 | 2225 |
| MEAN | 136 | 49.0 | 31.6 | 0.0 | 0.0 | 0.0 | 0.0 | 78.2 | 359 | 179 | 75.9 | 74.2 |
| AC-FT | 8350 | 2920 | 1950 | 0.0 | 0.0 | 0.0 | 0.0 | 4810 | 21390 | 11030 | 4670 | 4410 |
| MAX | 321 | 85 | 91 | 0.0 | 0.0 | 0.0 | 0.0 | 245 | 443 | 292 | 128 | 169 |
| MIN | 13 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 191 | 112 | 38 | 46 |
| CAL YR 1984 TOTAL | 32297 | | MEAN | 88.2 | MAX | 541 | MIN | 0.00 | AC-FT | 64060 | | |
| WTR YR 1985 TOTAL | 30004 | | MEAN | 82.2 | MAX | 443 | MIN | 0.00 | AC-FT | 59510 | | |



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1986)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

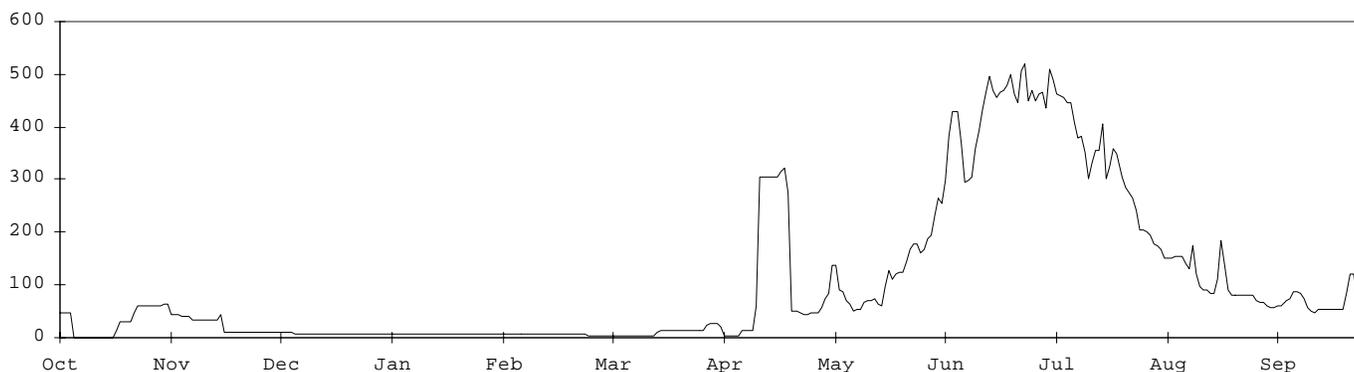
DRAINAGE AREA.--N/A

GAGE.--Graphic water stage recorder in a 5' shelter and well.

RATING TABLE.--CCBCRC002 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|---------|-------|-------|-------|-------|-------|--------|-------|-------|-------|------|------|
| 1 | 46 | 42 | 9.1 | 7.7 | 7.7 | 5.0 | 26 | 48 | 187 | 449 | 202 | 72 |
| 2 | 46 | 42 | 9.1 | 7.7 | 7.7 | 5.0 | 26 | 57 | 193 | 464 | 195 | 67 |
| 3 | 46 | 42 | 9.1 | 7.7 | 7.7 | 5.0 | 28 | 75 | 232 | 465 | 178 | 68 |
| 4 | 46 | 40 | 9.1 | 7.7 | 7.7 | 4.5 | 19 | 84 | 265 | 435 | 173 | 62 |
| 5 | 0.0 | 40 | 9.1 | 7.7 | 7.5 | 4.5 | 4.5 | 136 | 254 | 510 | 166 | 58 |
| 6 | 0.0 | 40 | 7.7 | 7.7 | 7.5 | 4.5 | 4.5 | 138 | 297 | 490 | 152 | 58 |
| 7 | 0.0 | 33 | 7.7 | 7.7 | 7.5 | 4.5 | 4.5 | 89 | 382 | 461 | 152 | 59 |
| 8 | 0.0 | 33 | 7.7 | 7.7 | 7.5 | 4.5 | 4.5 | 88 | 428 | 458 | 152 | 59 |
| 9 | 0.0 | 33 | 7.7 | 7.7 | 7.3 | 4.5 | 4.5 | 69 | 428 | 455 | 154 | 72 |
| 10 | 0.0 | 33 | 7.7 | 7.7 | 7.3 | 4.1 | 13 | 64 | 368 | 446 | 154 | 73 |
| 11 | 0.0 | 33 | 7.7 | 7.7 | 7.3 | 4.1 | 14 | 51 | 294 | 446 | 155 | 88 |
| 12 | 0.0 | 33 | 7.7 | 7.7 | 7.3 | 4.1 | 14 | 52 | 299 | 410 | 142 | 87 |
| 13 | 0.0 | 33 | 7.7 | 7.7 | 7.0 | 4.1 | 14 | 54 | 304 | 380 | 132 | 83 |
| 14 | 0.0 | 33 | 7.7 | 7.7 | 7.0 | 4.1 | 61 | 67 | 360 | 382 | 173 | 75 |
| 15 | 0.0 | 45 | 7.7 | 7.7 | 7.0 | 4.1 | 306 | 72 | 392 | 352 | 120 | 58 |
| 16 | 0.0 | 9.7 | 7.7 | 7.7 | 6.5 | 4.1 | 306 | 72 | 432 | 302 | 96 | 49 |
| 17 | 15 | 11 | 7.7 | 7.7 | 6.5 | 9.1 | 306 | 73 | 467 | 333 | 91 | 48 |
| 18 | 30 | 11 | 7.7 | 7.7 | 6.5 | 15 | 306 | 65 | 497 | 355 | 91 | 53 |
| 19 | 30 | 11 | 7.7 | 7.7 | 6.0 | 15 | 306 | 60 | 470 | 355 | 84 | 53 |
| 20 | 30 | 11 | 7.7 | 7.7 | 6.0 | 15 | 306 | 96 | 455 | 405 | 83 | 53 |
| 21 | 30 | 10 | 7.7 | 7.7 | 6.0 | 15 | 316 | 126 | 465 | 302 | 109 | 52 |
| 22 | 46 | 10 | 7.7 | 7.7 | 6.0 | 15 | 323 | 110 | 470 | 326 | 183 | 52 |
| 23 | 59 | 10 | 7.7 | 7.7 | 5.5 | 15 | 274 | 120 | 480 | 360 | 138 | 52 |
| 24 | 59 | 10 | 7.7 | 7.7 | 5.5 | 15 | 51 | 124 | 500 | 350 | 92 | 52 |
| 25 | 59 | 9.7 | 7.7 | 7.7 | 5.5 | 15 | 51 | 124 | 461 | 306 | 82 | 52 |
| 26 | 59 | 9.7 | 7.7 | 7.7 | 5.0 | 15 | 48 | 144 | 446 | 285 | 82 | 84 |
| 27 | 59 | 9.7 | 7.7 | 7.7 | 5.0 | 15 | 44 | 167 | 505 | 274 | 82 | 120 |
| 28 | 59 | 9.7 | 7.7 | 7.7 | 5.0 | 15 | 44 | 176 | 520 | 265 | 82 | 120 |
| 29 | 62 | 9.1 | 7.7 | 7.7 | --- | 15 | 48 | 176 | 450 | 241 | 82 | 88 |
| 30 | 64 | 9.1 | 7.7 | 7.7 | --- | 15 | 48 | 162 | 470 | 204 | 82 | 42 |
| 31 | 63 | --- | 7.7 | 7.7 | --- | 24 | --- | 166 | --- | 204 | 82 | --- |
| TOTAL | 908 | 705.7 | 245.7 | 238.7 | 186.0 | 298.8 | 3320.5 | 3105 | 11771 | 11470 | 3941 | 2009 |
| MEAN | 29.3 | 23.5 | 7.93 | 7.70 | 6.64 | 9.64 | 111 | 100 | 392 | 370 | 127 | 67.0 |
| AC-FT | 1800 | 1400 | 487 | 473 | 369 | 593 | 6590 | 6160 | 23350 | 22750 | 7820 | 3980 |
| MAX | 64 | 45 | 9.1 | 7.7 | 7.7 | 24 | 323 | 176 | 520 | 510 | 202 | 120 |
| MIN | 0.0 | 9.1 | 7.7 | 7.7 | 5.0 | 4.1 | 4.5 | 48 | 187 | 204 | 82 | 42 |
| CAL YR 1985 TOTAL | 25204.4 | MEAN | 69.1 | MAX | 443 | MIN | 0.00 | AC-FT | 49990 | | | |
| WTR YR 1986 TOTAL | 38199.4 | MEAN | 105 | MAX | 520 | MIN | 0.00 | AC-FT | 75770 | | | |



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1987)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A

GAGE.--Graphic water stage recorder in a 5' shelter and well.

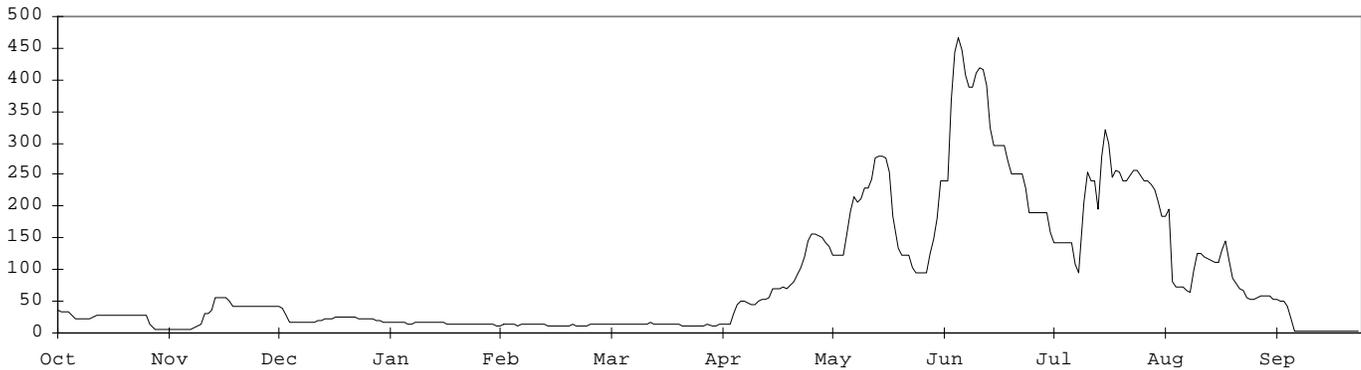
RATING TABLE.--CCBCCRC002 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|------|------|------|-------|-------|-------|------|-------|
| 1 | 36 | 4.5 | 42 | 17 | 12 | 13 | 13 | 157 | 95 | 191 | 241 | 53 |
| 2 | 33 | 4.5 | 42 | 17 | 12 | 13 | 12 | 155 | 127 | 191 | 239 | 56 |
| 3 | 33 | 4.5 | 38 | 17 | 13 | 13 | 12 | 152 | 147 | 191 | 234 | 58 |
| 4 | 33 | 4.5 | 27 | 17 | 13 | 13 | 14 | 142 | 182 | 191 | 226 | 58 |
| 5 | 29 | 4.5 | 18 | 16 | 14 | 14 | 13 | 136 | 239 | 191 | 206 | 58 |
| 6 | 23 | 5.0 | 18 | 16 | 13 | 14 | 14 | 124 | 241 | 160 | 185 | 54 |
| 7 | 23 | 5.5 | 18 | 15 | 12 | 13 | 13 | 124 | 241 | 142 | 183 | 52 |
| 8 | 23 | 7.0 | 18 | 15 | 13 | 14 | 30 | 124 | 370 | 142 | 196 | 51 |
| 9 | 23 | 10 | 18 | 16 | 14 | 15 | 44 | 122 | 443 | 142 | 80 | 49 |
| 10 | 23 | 15 | 18 | 17 | 14 | 14 | 51 | 157 | 467 | 142 | 72 | 42 |
| 11 | 26 | 31 | 17 | 17 | 14 | 15 | 49 | 193 | 446 | 142 | 72 | 21 |
| 12 | 28 | 31 | 18 | 18 | 13 | 15 | 47 | 214 | 408 | 142 | 72 | 2.6 |
| 13 | 28 | 35 | 19 | 18 | 13 | 15 | 46 | 206 | 388 | 110 | 67 | 2.6 |
| 14 | 28 | 57 | 20 | 17 | 13 | 15 | 46 | 212 | 388 | 95 | 65 | 2.6 |
| 15 | 28 | 57 | 21 | 17 | 12 | 15 | 50 | 228 | 410 | 208 | 98 | 2.6 |
| 16 | 28 | 57 | 22 | 16 | 12 | 16 | 52 | 228 | 420 | 254 | 126 | 2.6 |
| 17 | 28 | 57 | 23 | 16 | 12 | 15 | 52 | 243 | 415 | 239 | 126 | 2.6 |
| 18 | 28 | 50 | 24 | 15 | 12 | 14 | 56 | 276 | 390 | 239 | 120 | 2.6 |
| 19 | 28 | 42 | 25 | 15 | 12 | 13 | 69 | 278 | 323 | 196 | 118 | 2.6 |
| 20 | 29 | 42 | 26 | 14 | 11 | 13 | 69 | 278 | 297 | 278 | 115 | 2.6 |
| 21 | 29 | 42 | 26 | 14 | 12 | 14 | 71 | 276 | 297 | 320 | 112 | 2.6 |
| 22 | 29 | 42 | 25 | 13 | 13 | 14 | 72 | 254 | 297 | 300 | 112 | 2.6 |
| 23 | 28 | 42 | 24 | 13 | 12 | 13 | 69 | 185 | 297 | 245 | 130 | 2.6 |
| 24 | 28 | 42 | 23 | 14 | 12 | 13 | 75 | 133 | 271 | 256 | 144 | 2.6 |
| 25 | 28 | 42 | 22 | 14 | 12 | 12 | 82 | 122 | 251 | 254 | 114 | 2.6 |
| 26 | 27 | 42 | 22 | 15 | 12 | 12 | 92 | 122 | 251 | 239 | 87 | 2.6 |
| 27 | 15 | 42 | 21 | 15 | 13 | 11 | 103 | 122 | 251 | 241 | 78 | 2.6 |
| 28 | 4.5 | 42 | 21 | 15 | 13 | 11 | 121 | 103 | 251 | 249 | 69 | 2.6 |
| 29 | 4.5 | 42 | 20 | 14 | --- | 10 | 144 | 95 | 230 | 258 | 66 | 2.6 |
| 30 | 4.5 | 42 | 19 | 14 | --- | 11 | 157 | 95 | 191 | 258 | 57 | 2.6 |
| 31 | 4.5 | --- | 18 | 13 | --- | 12 | --- | 95 | --- | 249 | 53 | --- |
| TOTAL | 760.0 | 944.0 | 713 | 480 | 353 | 415 | 1738 | 5351 | 9024 | 6455 | 3863 | 601.4 |
| MEAN | 24.5 | 31.5 | 23.0 | 15.5 | 12.6 | 13.4 | 57.9 | 173 | 301 | 208 | 125 | 20.0 |
| AC-FT | 1510 | 1870 | 1410 | 952 | 700 | 823 | 3450 | 10610 | 17900 | 12800 | 7660 | 1190 |
| MAX | 36 | 57 | 42 | 18 | 14 | 16 | 157 | 278 | 467 | 320 | 241 | 58 |
| MIN | 4.5 | 4.5 | 17 | 13 | 11 | 10 | 12 | 95 | 95 | 95 | 53 | 2.6 |

CAL YR 1986 TOTAL 38757.0 MEAN 106 MAX 520 MIN 4.1 AC-FT 76870
WTR YR 1987 TOTAL 30697.4 MEAN 84.1 MAX 467 MIN 2.6 AC-FT 60890

MAX DISCH 488 CFS AT 1700 08-JUN-1987 GH 2.94 FT. SHIFT 0.02 FT. MAX GH 2.94 FT. AT 1700 08-JUN-1987



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1988)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A

GAGE.--Graphic water stage recorder in a 5' shelter and well.

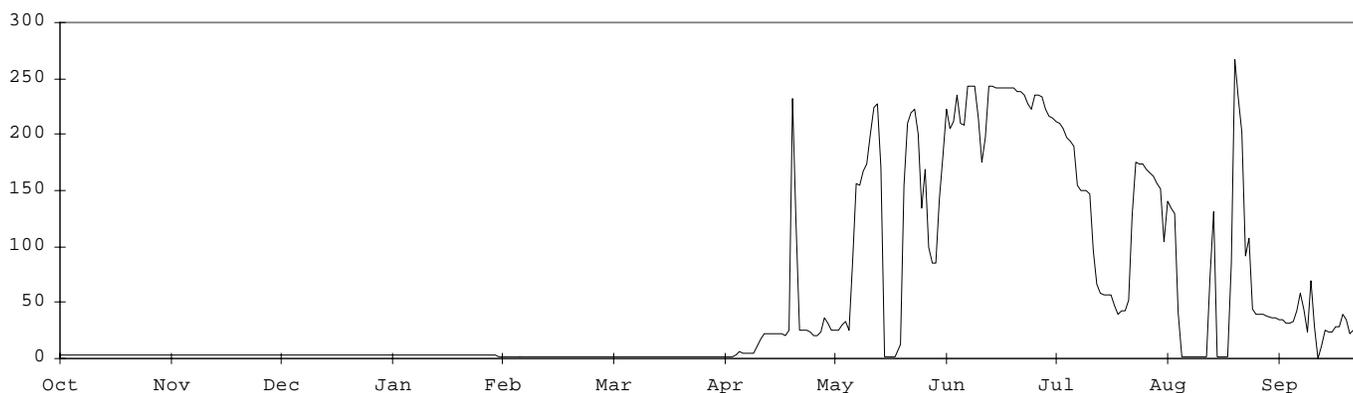
RATING TABLE.--CCBCRC002 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|--------|-------|------|--------|--------|
| 1 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 2.3 | 24 | 86 | 236 | 166 | 40 |
| 2 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 2.3 | 36 | 86 | 234 | 162 | 40 |
| 3 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 2.3 | 31 | 142 | 222 | 157 | 38 |
| 4 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 2.3 | 26 | 180 | 216 | 152 | 36 |
| 5 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 2.0 | 26 | 222 | 214 | 104 | 36 |
| 6 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 1.7 | 26 | 206 | 212 | 141 | 35 |
| 7 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 2.6 | 30 | 212 | 210 | 134 | 34 |
| 8 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 6.0 | 33 | 236 | 206 | 130 | 31 |
| 9 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 5.5 | 26 | 210 | 198 | 41 | 32 |
| 10 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 5.5 | 89 | 208 | 195 | 2.0 | 33 |
| 11 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 5.0 | 157 | 243 | 189 | 2.0 | 42 |
| 12 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 5.3 | 155 | 243 | 154 | 2.0 | 58 |
| 13 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 11 | 167 | 243 | 150 | 2.0 | 44 |
| 14 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 17 | 173 | 214 | 150 | 2.0 | 24 |
| 15 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 22 | 200 | 176 | 147 | 2.0 | 70 |
| 16 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 22 | 224 | 198 | 96 | 2.0 | 29 |
| 17 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 22 | 228 | 243 | 66 | 2.0 | 0.70 |
| 18 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 22 | 170 | 243 | 59 | 73 | 11 |
| 19 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 22 | 2.3 | 241 | 57 | 131 | 26 |
| 20 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 22 | 2.0 | 241 | 57 | 1.4 | 24 |
| 21 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 20 | 2.0 | 241 | 57 | 1.4 | 24 |
| 22 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 25 | 2.0 | 241 | 47 | 1.4 | 28 |
| 23 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 232 | 12 | 241 | 40 | 1.1 | 29 |
| 24 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 120 | 155 | 241 | 42 | 85 | 40 |
| 25 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 26 | 210 | 239 | 43 | 267 | 35 |
| 26 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 25 | 220 | 239 | 52 | 232 | 22 |
| 27 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 25 | 222 | 236 | 128 | 202 | 25 |
| 28 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 24 | 200 | 228 | 176 | 92 | 22 |
| 29 | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 20 | 134 | 222 | 174 | 107 | 33 |
| 30 | 2.6 | 2.6 | 2.5 | 2.4 | --- | 2.3 | 21 | 169 | 236 | 173 | 44 | 12 |
| 31 | 2.6 | --- | 2.5 | 2.4 | --- | 2.3 | --- | 100 | --- | 169 | 40 | --- |
| TOTAL | 80.6 | 78.0 | 77.5 | 74.4 | 66.7 | 71.3 | 740.8 | 3251.3 | 6437 | 4369 | 2481.3 | 953.70 |
| MEAN | 2.60 | 2.60 | 2.50 | 2.40 | 2.30 | 2.30 | 24.7 | 105 | 215 | 141 | 80.0 | 31.8 |
| AC-FT | 160 | 155 | 154 | 148 | 132 | 141 | 1470 | 6450 | 12770 | 8670 | 4920 | 1890 |
| MAX | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 232 | 228 | 243 | 236 | 267 | 70 |
| MIN | 2.6 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 1.7 | 2.0 | 86 | 40 | 1.1 | 0.70 |

CAL YR 1987 TOTAL 28516.5 MEAN 78.1 MAX 467 MIN 2.5 AC-FT 56560
WTR YR 1988 TOTAL 18681.60 MEAN 51.0 MAX 267 MIN 0.70 AC-FT 37050

MAX DISCH 306 CFS AT 2100 24-AUG-1988 GH 2.26 FT. SHIFT 0.00 FT. MAX GH 2.26 FT. AT 2100 24-AUG-1988



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1989)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A

GAGE.--Graphic water stage recorder in a 5' shelter and well.

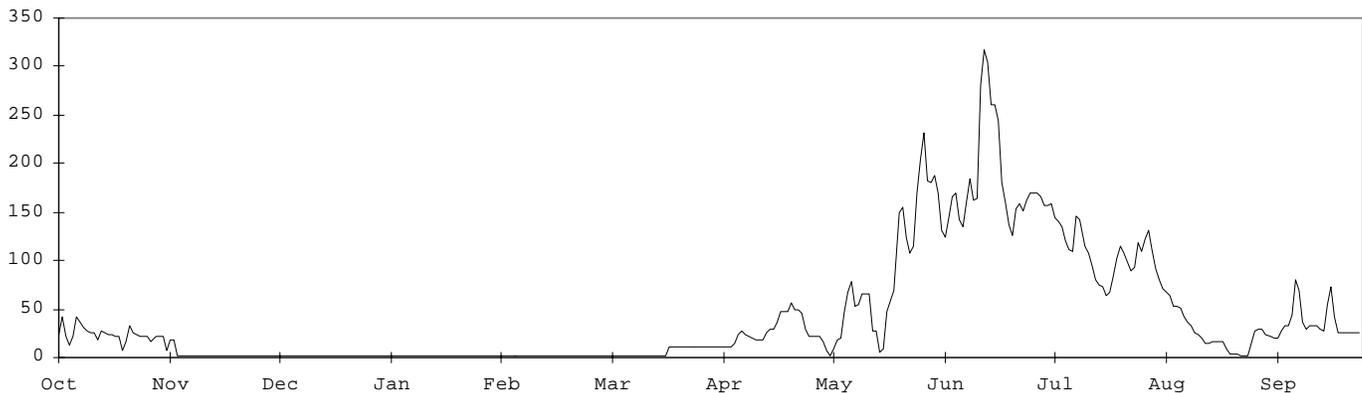
RATING TABLE.--CCBCCRC002 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|------|------|------|------|-------|------|--------|-------|------|--------|------|
| 1 | 23 | 19 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 22 | 182 | 169 | 122 | 28 |
| 2 | 42 | 19 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 22 | 180 | 169 | 132 | 29 |
| 3 | 22 | 2.6 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 16 | 187 | 166 | 110 | 29 |
| 4 | 12 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 8.2 | 169 | 157 | 92 | 23 |
| 5 | 21 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 1.7 | 132 | 157 | 80 | 21 |
| 6 | 42 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 10 | 124 | 159 | 71 | 20 |
| 7 | 36 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 19 | 144 | 144 | 67 | 20 |
| 8 | 31 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 | 14 | 20 | 166 | 141 | 64 | 28 |
| 9 | 28 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 47 | 169 | 134 | 53 | 33 |
| 10 | 26 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 | 28 | 68 | 142 | 121 | 53 | 33 |
| 11 | 26 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 78 | 134 | 112 | 51 | 44 |
| 12 | 19 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 22 | 52 | 160 | 109 | 42 | 80 |
| 13 | 28 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 20 | 54 | 185 | 146 | 36 | 69 |
| 14 | 26 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 19 | 66 | 162 | 142 | 33 | 36 |
| 15 | 24 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 18 | 65 | 164 | 115 | 26 | 30 |
| 16 | 23 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 19 | 65 | 280 | 108 | 23 | 32 |
| 17 | 22 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 26 | 28 | 318 | 95 | 20 | 32 |
| 18 | 22 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 29 | 28 | 304 | 80 | 15 | 32 |
| 19 | 6.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 29 | 6.2 | 260 | 74 | 15 | 29 |
| 20 | 16 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 36 | 9.1 | 260 | 73 | 16 | 28 |
| 21 | 32 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 48 | 47 | 245 | 63 | 16 | 55 |
| 22 | 26 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 47 | 59 | 180 | 68 | 16 | 73 |
| 23 | 23 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 47 | 69 | 160 | 83 | 16 | 42 |
| 24 | 22 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 56 | 150 | 136 | 102 | 8.3 | 26 |
| 25 | 22 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 49 | 155 | 126 | 115 | 4.1 | 26 |
| 26 | 21 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 50 | 124 | 154 | 108 | 4.5 | 26 |
| 27 | 16 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 46 | 108 | 159 | 98 | 2.9 | 26 |
| 28 | 22 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 29 | 115 | 152 | 89 | 2.0 | 26 |
| 29 | 22 | 2.0 | 2.0 | 2.0 | --- | 11 | 22 | 169 | 162 | 93 | 2.3 | 26 |
| 30 | 21 | 2.0 | 2.0 | 2.0 | --- | 11 | 22 | 204 | 169 | 118 | 2.3 | 26 |
| 31 | 6.9 | --- | 2.0 | 2.0 | --- | 11 | --- | 232 | --- | 109 | 14 | --- |
| TOTAL | 729.8 | 97.0 | 62.0 | 62.0 | 56.0 | 161.0 | 801 | 2117.2 | 5465 | 3617 | 1209.4 | 1028 |
| MEAN | 23.5 | 3.23 | 2.00 | 2.00 | 2.00 | 5.19 | 26.7 | 68.3 | 182 | 117 | 39.0 | 34.3 |
| AC-FT | 1450 | 192 | 123 | 123 | 111 | 319 | 1590 | 4200 | 10840 | 7170 | 2400 | 2040 |
| MAX | 42 | 19 | 2.0 | 2.0 | 2.0 | 11 | 56 | 232 | 318 | 169 | 132 | 80 |
| MIN | 6.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 11 | 1.7 | 124 | 63 | 2.0 | 20 |

CAL YR 1988 TOTAL 19334.30 MEAN 52.8 MAX 267 MIN 0.70 AC-FT 38350
WTR YR 1989 TOTAL 15405.4 MEAN 42.2 MAX 318 MIN 1.7 AC-FT 30560

MAX DISCH 321 CFS AT 0230 18-JUN-1989 GH 2.32 FT. SHIFT 0.00 FT. MAX GH 2.32 FT. AT 0230 18-JUN-1989



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO (1990)

LOCATION.--Lat 30°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A

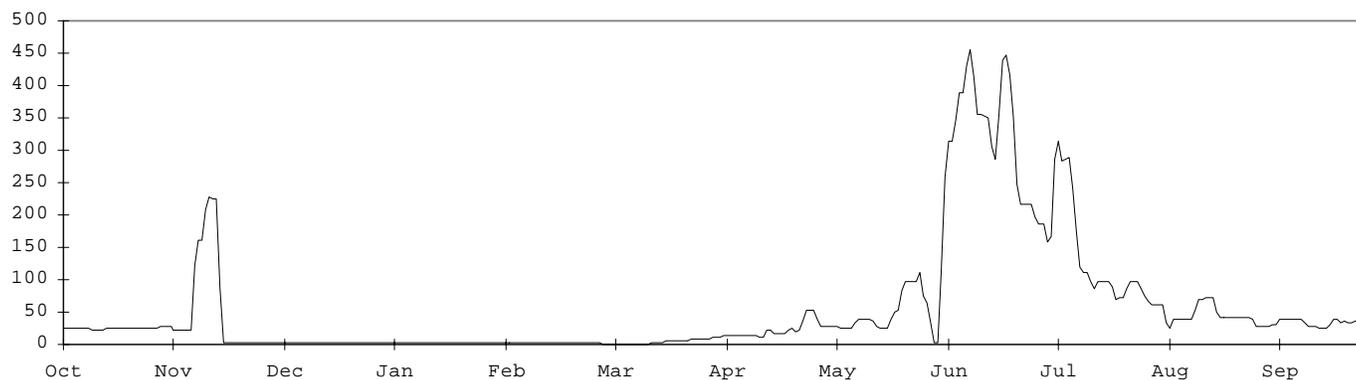
GAGE.--Graphic water stage recorder in a 5' shelter and well.

RATING TABLE.--CCBCRC002 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|--------|------|------|------|-------|------|------|--------|------|------|------|
| 1 | 26 | 22 | 1.7 | 1.6 | 1.5 | 1.3 | 10 | 28 | 34 | 185 | 67 | 29 |
| 2 | 26 | 22 | 1.7 | 1.6 | 1.5 | 1.3 | 10 | 28 | 1.7 | 185 | 60 | 29 |
| 3 | 26 | 22 | 1.7 | 1.6 | 1.5 | 1.3 | 10 | 28 | 1.7 | 187 | 60 | 29 |
| 4 | 26 | 22 | 1.7 | 1.6 | 1.5 | 1.3 | 13 | 28 | 116 | 157 | 60 | 29 |
| 5 | 26 | 22 | 1.7 | 1.6 | 1.5 | 1.3 | 13 | 28 | 258 | 167 | 60 | 30 |
| 6 | 26 | 22 | 1.7 | 1.6 | 1.5 | 1.3 | 13 | 27 | 314 | 287 | 33 | 30 |
| 7 | 26 | 121 | 1.7 | 1.6 | 1.5 | 1.3 | 13 | 26 | 314 | 314 | 26 | 38 |
| 8 | 25 | 162 | 1.7 | 1.6 | 1.5 | 1.3 | 13 | 26 | 348 | 283 | 40 | 40 |
| 9 | 23 | 160 | 1.7 | 1.6 | 1.5 | 1.3 | 13 | 26 | 388 | 287 | 40 | 40 |
| 10 | 22 | 208 | 1.7 | 1.6 | 1.5 | 1.2 | 13 | 26 | 388 | 290 | 40 | 40 |
| 11 | 23 | 228 | 1.7 | 1.6 | 1.5 | 1.2 | 13 | 34 | 430 | 243 | 40 | 40 |
| 12 | 23 | 226 | 1.7 | 1.6 | 1.5 | 1.2 | 13 | 38 | 455 | 175 | 40 | 40 |
| 13 | 24 | 224 | 1.6 | 1.6 | 1.5 | 1.2 | 13 | 40 | 415 | 120 | 40 | 40 |
| 14 | 24 | 89 | 1.6 | 1.6 | 1.5 | 1.2 | 12 | 38 | 355 | 112 | 52 | 32 |
| 15 | 25 | 2.0 | 1.6 | 1.6 | 1.5 | 4.0 | 12 | 38 | 355 | 112 | 70 | 27 |
| 16 | 25 | 2.0 | 1.6 | 1.6 | 1.5 | 4.0 | 21 | 36 | 352 | 98 | 69 | 27 |
| 17 | 25 | 2.0 | 1.6 | 1.6 | 1.5 | 4.0 | 23 | 29 | 350 | 87 | 71 | 27 |
| 18 | 25 | 2.0 | 1.6 | 1.6 | 1.5 | 4.0 | 16 | 26 | 306 | 98 | 71 | 26 |
| 19 | 25 | 1.9 | 1.6 | 1.6 | 1.5 | 5.0 | 16 | 26 | 287 | 98 | 71 | 26 |
| 20 | 25 | 1.9 | 1.6 | 1.6 | 1.5 | 5.0 | 16 | 26 | 355 | 98 | 50 | 26 |
| 21 | 25 | 1.9 | 1.6 | 1.5 | 1.5 | 5.0 | 16 | 40 | 438 | 98 | 42 | 31 |
| 22 | 26 | 1.9 | 1.6 | 1.5 | 1.5 | 5.0 | 21 | 49 | 446 | 88 | 42 | 40 |
| 23 | 26 | 1.8 | 1.6 | 1.5 | 1.5 | 6.0 | 24 | 53 | 418 | 69 | 42 | 40 |
| 24 | 26 | 1.8 | 1.6 | 1.5 | 1.5 | 6.0 | 19 | 84 | 352 | 71 | 42 | 34 |
| 25 | 26 | 1.8 | 1.6 | 1.5 | 1.4 | 6.0 | 21 | 96 | 247 | 71 | 42 | 35 |
| 26 | 26 | 1.8 | 1.6 | 1.5 | 1.4 | 7.0 | 35 | 96 | 216 | 87 | 42 | 34 |
| 27 | 26 | 1.8 | 1.6 | 1.5 | 1.4 | 7.0 | 53 | 96 | 216 | 98 | 42 | 34 |
| 28 | 27 | 1.8 | 1.6 | 1.5 | 1.4 | 8.0 | 53 | 96 | 218 | 98 | 42 | 35 |
| 29 | 27 | 1.8 | 1.6 | 1.5 | --- | 8.0 | 53 | 112 | 218 | 98 | 42 | 35 |
| 30 | 27 | 1.7 | 1.6 | 1.5 | --- | 8.0 | 40 | 76 | 196 | 86 | 38 | 35 |
| 31 | 27 | --- | 1.6 | 1.5 | --- | 8.0 | --- | 63 | --- | 74 | 28 | --- |
| TOTAL | 785 | 1579.9 | 50.8 | 48.5 | 41.6 | 117.7 | 611 | 1463 | 8788.4 | 4521 | 1504 | 998 |
| MEAN | 25.3 | 52.7 | 1.64 | 1.56 | 1.49 | 3.80 | 20.4 | 47.2 | 293 | 146 | 48.5 | 33.3 |
| AC-FT | 1560 | 3130 | 101 | 96 | 83 | 233 | 1210 | 2900 | 17430 | 8970 | 2980 | 1980 |
| MAX | 27 | 228 | 1.7 | 1.6 | 1.5 | 8.0 | 53 | 112 | 455 | 314 | 71 | 40 |
| MIN | 22 | 1.7 | 1.6 | 1.5 | 1.4 | 1.2 | 10 | 26 | 1.7 | 69 | 26 | 26 |

WTR YR 1990 TOTAL 20508.9 MEAN 56.2 MAX 455 MIN 1.2 AC-FT 40680



ARKANSAS RIVER BASIN

COTTONWOOD CREEK AT BUENA VISTA, CO (1980)

LOCATION.--Lat 38°50'04", long 106°07'20", in NW¼NW¼NW¼, sec. 16, T.14 S., R. 78 W., in Chaffee County, on left bank, about 1500 ft. upstream from Arkansas River, and 1200 ft. upstream from bridge at Buena Vista High School.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder. 2 ft. Parshall Flume in concrete dam. Datum of gage 7930 ft. from topographic map.

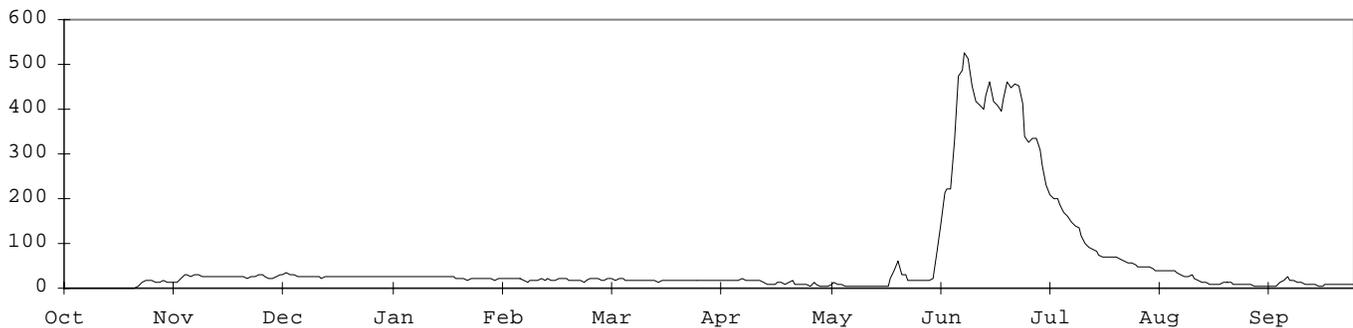
RATING TABLE.--COCRBVCO02 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|------|------|------|------|------|-------|-------|-------|------|-------|-------|
| 1 | 0.66 | 13 | 32 | 28 | 20 | 19 | 16 | 10 | 18 | 334 | 48 | 7.5 |
| 2 | 0.66 | 14 | 32 | 28 | 22 | 19 | 19 | 6.5 | 16 | 334 | 46 | 5.7 |
| 3 | 0.62 | 22 | 34 | 26 | 21 | 20 | 18 | 5.7 | 21 | 310 | 46 | 5.0 |
| 4 | 0.62 | 30 | 31 | 28 | 21 | 20 | 18 | 6.0 | 82 | 274 | 43 | 5.2 |
| 5 | 0.57 | 30 | 29 | 28 | 20 | 19 | 19 | 7.2 | 143 | 229 | 39 | 5.1 |
| 6 | 0.62 | 28 | 28 | 27 | 20 | 20 | 19 | 12 | 215 | 210 | 38 | 5.4 |
| 7 | 0.62 | 29 | 28 | 26 | 20 | 20 | 18 | 10 | 223 | 200 | 39 | 5.0 |
| 8 | 0.62 | 29 | 28 | 26 | 17 | 19 | 17 | 6.6 | 223 | 202 | 40 | 5.0 |
| 9 | 0.62 | 28 | 27 | 26 | 12 | 19 | 19 | 5.4 | 331 | 185 | 41 | 12 |
| 10 | 0.61 | 28 | 27 | 27 | 17 | 18 | 20 | 4.7 | 474 | 171 | 38 | 18 |
| 11 | 0.62 | 27 | 27 | 25 | 17 | 19 | 19 | 5.1 | 487 | 162 | 33 | 27 |
| 12 | 0.57 | 26 | 27 | 26 | 18 | 19 | 19 | 5.7 | 528 | 149 | 31 | 19 |
| 13 | 0.57 | 27 | 23 | 26 | 20 | 16 | 18 | 3.8 | 514 | 137 | 28 | 16 |
| 14 | 0.57 | 27 | 24 | 26 | 19 | 19 | 19 | 3.5 | 452 | 135 | 26 | 13 |
| 15 | 0.57 | 27 | 28 | 25 | 20 | 19 | 19 | 3.4 | 416 | 117 | 31 | 11 |
| 16 | 0.57 | 26 | 27 | 24 | 19 | 18 | 15 | 3.4 | 408 | 102 | 23 | 9.7 |
| 17 | 0.62 | 26 | 27 | 24 | 19 | 13 | 9.3 | 4.1 | 400 | 91 | 18 | 8.4 |
| 18 | 0.62 | 27 | 27 | 24 | 20 | 16 | 8.1 | 4.8 | 432 | 86 | 14 | 7.6 |
| 19 | 0.62 | 28 | 27 | 24 | 20 | 18 | 10 | 4.7 | 460 | 82 | 11 | 7.0 |
| 20 | 0.89 | 28 | 27 | 21 | 20 | 18 | 13 | 4.7 | 416 | 76 | 10 | 6.3 |
| 21 | 2.1 | 26 | 27 | 22 | 19 | 18 | 12 | 5.4 | 408 | 70 | 9.8 | 6.3 |
| 22 | 4.6 | 22 | 27 | 21 | 19 | 19 | 9.1 | 22 | 396 | 70 | 9.3 | 7.2 |
| 23 | 12 | 27 | 26 | 18 | 19 | 19 | 11 | 40 | 420 | 68 | 9.7 | 6.9 |
| 24 | 19 | 28 | 26 | 22 | 18 | 17 | 16 | 62 | 460 | 70 | 11 | 7.3 |
| 25 | 18 | 32 | 26 | 23 | 15 | 18 | 10 | 30 | 448 | 70 | 13 | 9.1 |
| 26 | 18 | 30 | 27 | 22 | 19 | 17 | 9.0 | 29 | 456 | 67 | 12 | 8.8 |
| 27 | 13 | 28 | 27 | 22 | 20 | 18 | 7.2 | 19 | 452 | 61 | 9.8 | 8.3 |
| 28 | 12 | 22 | 26 | 22 | 20 | 18 | 6.9 | 19 | 412 | 58 | 9.3 | 8.0 |
| 29 | 16 | 22 | 24 | 22 | 20 | 17 | 5.8 | 18 | 338 | 55 | 6.6 | 7.6 |
| 30 | 14 | 25 | 27 | 22 | --- | 16 | 11 | 17 | 328 | 51 | 8.2 | 7.3 |
| 31 | 12 | --- | 26 | 18 | --- | 18 | --- | 18 | --- | 50 | 8.8 | --- |
| TOTAL | 153.14 | 782 | 849 | 749 | 551 | 563 | 430.4 | 396.7 | 10377 | 4276 | 750.5 | 275.7 |
| MEAN | 4.94 | 26.1 | 27.4 | 24.2 | 19.0 | 18.2 | 14.3 | 12.8 | 346 | 138 | 24.2 | 9.19 |
| AC-FT | 304 | 1550 | 1680 | 1490 | 1090 | 1120 | 854 | 787 | 20580 | 8480 | 1490 | 547 |
| MAX | 19 | 32 | 34 | 28 | 22 | 20 | 20 | 62 | 528 | 334 | 48 | 27 |
| MIN | 0.57 | 13 | 23 | 18 | 12 | 13 | 5.8 | 3.4 | 16 | 50 | 6.6 | 5.0 |

CAL YR 1979 TOTAL 15110.24 MEAN 41.4 MAX 370 MIN 0.57 AC-FT 29970
WTR YR 1980 TOTAL 20153.44 MEAN 55.1 MAX 528 MIN 0.57 AC-FT 39970

MAX DISCH 595 CFS AT 0100 13-JUN-1980 GH 3.79 FT. SHIFT 0.10 FT. MAX GH 3.82 FT. AT 2330 10-JUN-1980



ARKANSAS RIVER BASIN

COTTONWOOD CREEK AT BUENA VISTA, CO (1981)

LOCATION.--Lat 38°50'04", long 106°07'20", in NW¼NW¼NW¼, sec. 16, T.14 S., R. 78 W., in Chaffee County, on left bank, about 1500 ft. upstream from Arkansas River, and 1200 ft. upstream from bridge at Buena Vista High School.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder. 2 ft. Parshall Flume in concrete dam. Datum of gage 7930 ft. from topographic map.

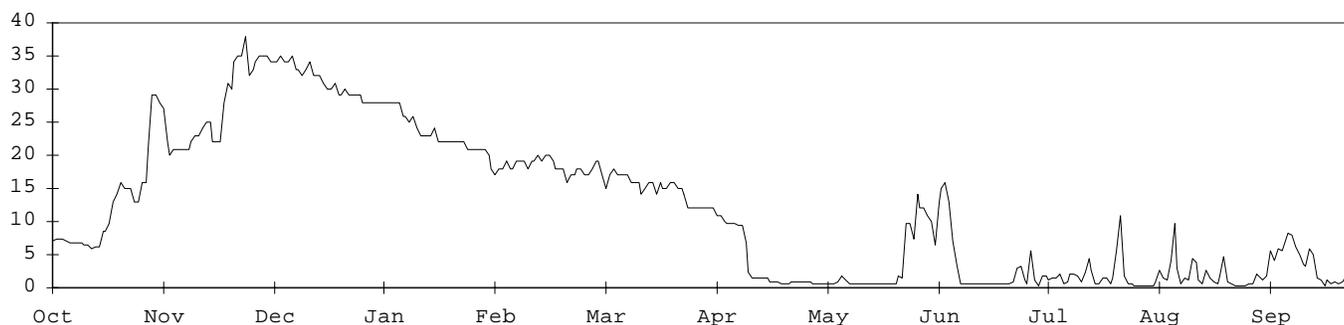
RATING TABLE.--COCR BVCO02 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|------|------|------|------|------|--------|-------|--------|-------|-------|-------|
| 1 | 7.0 | 27 | 34 | 28 | 18 | 18 | 12 | 0.77 | 12 | 0.72 | 0.44 | 0.49 |
| 2 | 7.3 | 22 | 34 | 28 | 17 | 19 | 12 | 0.71 | 12 | 5.7 | 0.44 | 0.49 |
| 3 | 7.5 | 20 | 34 | 28 | 18 | 19 | 12 | 0.66 | 11 | 1.1 | 0.44 | 2.0 |
| 4 | 7.4 | 21 | 35 | 28 | 18 | 17 | 12 | 0.61 | 10 | 0.44 | 0.40 | 1.4 |
| 5 | 7.0 | 21 | 34 | 28 | 19 | 15 | 11 | 0.56 | 6.6 | 1.7 | 0.40 | 1.1 |
| 6 | 6.9 | 21 | 34 | 28 | 18 | 17 | 11 | 0.56 | 13 | 1.9 | 1.0 | 1.7 |
| 7 | 6.8 | 21 | 35 | 26 | 18 | 18 | 9.9 | 0.57 | 15 | 1.2 | 2.7 | 5.6 |
| 8 | 6.8 | 21 | 33 | 26 | 19 | 17 | 9.7 | 0.57 | 16 | 1.4 | 1.5 | 4.0 |
| 9 | 6.9 | 22 | 33 | 25 | 19 | 17 | 9.7 | 0.89 | 13 | 1.6 | 1.2 | 6.0 |
| 10 | 6.6 | 23 | 32 | 26 | 19 | 17 | 9.7 | 1.7 | 7.2 | 2.1 | 4.0 | 5.6 |
| 11 | 6.5 | 23 | 33 | 24 | 18 | 17 | 9.4 | 1.1 | 3.4 | 0.49 | 9.8 | 6.5 |
| 12 | 6.0 | 24 | 34 | 23 | 19 | 16 | 9.4 | 0.62 | 0.72 | 0.89 | 3.0 | 8.1 |
| 13 | 6.2 | 25 | 32 | 23 | 19 | 16 | 6.7 | 0.62 | 0.57 | 2.0 | 0.62 | 7.9 |
| 14 | 6.2 | 25 | 32 | 23 | 20 | 16 | 2.3 | 0.62 | 0.53 | 2.2 | 1.5 | 6.3 |
| 15 | 8.5 | 22 | 32 | 23 | 19 | 14 | 1.5 | 0.62 | 0.62 | 1.9 | 1.1 | 4.9 |
| 16 | 8.5 | 22 | 31 | 24 | 20 | 15 | 1.5 | 0.62 | 0.57 | 1.0 | 4.4 | 3.5 |
| 17 | 9.7 | 22 | 30 | 22 | 20 | 16 | 1.5 | 0.62 | 0.62 | 2.5 | 3.7 | 3.2 |
| 18 | 13 | 28 | 30 | 22 | 19 | 16 | 1.4 | 0.62 | 0.72 | 4.3 | 1.1 | 6.0 |
| 19 | 14 | 31 | 31 | 22 | 18 | 14 | 1.4 | 0.62 | 0.53 | 2.6 | 0.62 | 5.1 |
| 20 | 16 | 30 | 29 | 22 | 18 | 16 | 0.89 | 0.57 | 0.53 | 0.49 | 2.6 | 1.6 |
| 21 | 15 | 34 | 29 | 22 | 18 | 15 | 0.78 | 0.53 | 0.53 | 0.62 | 1.4 | 1.2 |
| 22 | 15 | 35 | 30 | 22 | 16 | 15 | 0.78 | 0.53 | 0.57 | 1.4 | 0.78 | 0.44 |
| 23 | 15 | 35 | 29 | 22 | 17 | 16 | 0.72 | 0.53 | 0.57 | 1.6 | 0.57 | 1.1 |
| 24 | 13 | 38 | 29 | 22 | 17 | 16 | 0.72 | 0.53 | 0.57 | 0.57 | 1.9 | 0.53 |
| 25 | 13 | 32 | 29 | 21 | 18 | 15 | 0.72 | 0.62 | 0.57 | 1.6 | 4.7 | 0.78 |
| 26 | 16 | 33 | 29 | 21 | 18 | 15 | 0.78 | 1.8 | 0.66 | 5.7 | 0.83 | 0.62 |
| 27 | 16 | 34 | 28 | 21 | 17 | 14 | 1.0 | 1.6 | 0.89 | 11 | 0.49 | 1.0 |
| 28 | 21 | 35 | 28 | 21 | 17 | 12 | 0.89 | 9.7 | 2.9 | 1.8 | 0.40 | 1.7 |
| 29 | 29 | 35 | 28 | 21 | --- | 12 | 0.88 | 9.8 | 3.2 | 0.49 | 0.40 | 0.49 |
| 30 | 29 | 35 | 28 | 21 | --- | 12 | 0.82 | 7.4 | 1.1 | 0.49 | 0.40 | 0.78 |
| 31 | 28 | --- | 28 | 20 | --- | 12 | --- | 14 | --- | 0.44 | 0.44 | --- |
| TOTAL | 374.8 | 817 | 967 | 733 | 511 | 484 | 153.07 | 61.26 | 136.19 | 61.94 | 53.30 | 90.11 |
| MEAN | 12.1 | 27.2 | 31.2 | 23.6 | 18.3 | 15.6 | 5.10 | 1.98 | 4.54 | 2.00 | 1.72 | 3.00 |
| AC-FT | 743 | 1620 | 1920 | 1450 | 1010 | 960 | 304 | 122 | 270 | 123 | 106 | 179 |
| MAX | 29 | 38 | 35 | 28 | 20 | 19 | 12 | 14 | 16 | 11 | 9.8 | 8.1 |
| MIN | 6.0 | 20 | 28 | 20 | 16 | 12 | 0.72 | 0.53 | 0.53 | 0.44 | 0.40 | 0.44 |

CAL YR 1980 TOTAL 20528.1 MEAN 56.1 MAX 528 MIN 3.4 AC-FT 40720
WTR YR 1981 TOTAL 4442.66 MEAN 12.2 MAX 38 MIN 0.40 AC-FT 8810

MAX DISCH 40 CFS AT 0950 24-NOV-1980 GH 1.79 FT. SHIFT +0.04 FT. MAX GH 2.29(ICE) FT. AT 1450 02-FEB-1981



ARKANSAS RIVER BASIN

COTTONWOOD CREEK AT BUENA VISTA, CO (1982)

LOCATION.--Lat 38°50'04", long 106°07'20", in NW¼NW¼NW¼, sec. 16, T.14 S., R. 78 W., in Chaffee County, on left bank, about 1500 ft. upstream from Arkansas River, and 1200 ft. upstream from bridge at Buena Vista High School.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder. 2 ft. Parshall Flume in concrete dam. Datum of gage 7930 ft. from topographic map.

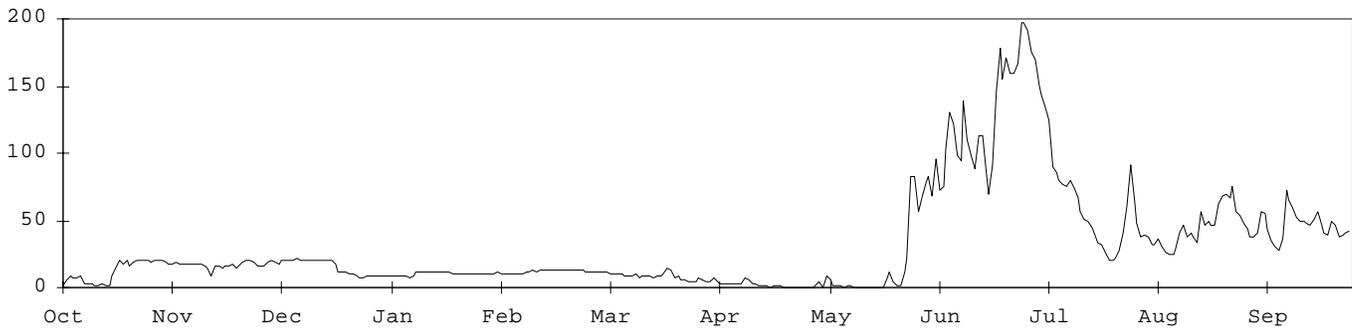
RATING TABLE.--COCRBVCO02 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|------|-------|-------|--------|------|------|------|------|
| 1 | 2.1 | 17 | 18 | 8.5 | 11 | 12 | 5.0 | 0.49 | 68 | 192 | 48 | 44 |
| 2 | 5.9 | 19 | 20 | 8.5 | 10 | 11 | 5.0 | 1.6 | 78 | 175 | 38 | 38 |
| 3 | 9.3 | 18 | 21 | 8.5 | 10 | 12 | 6.7 | 4.3 | 82 | 169 | 39 | 38 |
| 4 | 7.3 | 18 | 21 | 8.0 | 10 | 11 | 4.6 | 0.44 | 68 | 151 | 37 | 40 |
| 5 | 6.8 | 17 | 21 | 8.0 | 10 | 10 | 3.4 | 9.0 | 96 | 143 | 32 | 57 |
| 6 | 8.8 | 17 | 22 | 8.0 | 10 | 10 | 3.3 | 6.2 | 72 | 135 | 32 | 55 |
| 7 | 2.6 | 17 | 21 | 7.0 | 10 | 10 | 3.6 | 0.83 | 76 | 124 | 36 | 44 |
| 8 | 2.9 | 18 | 21 | 9.0 | 10 | 9.9 | 3.1 | 0.95 | 103 | 90 | 30 | 35 |
| 9 | 2.6 | 17 | 21 | 12 | 11 | 9.3 | 3.6 | 0.83 | 131 | 86 | 26 | 31 |
| 10 | 1.4 | 16 | 20 | 12 | 12 | 9.1 | 3.2 | 0.62 | 122 | 79 | 25 | 28 |
| 11 | 1.3 | 14 | 21 | 12 | 13 | 8.9 | 3.1 | 1.2 | 99 | 77 | 25 | 36 |
| 12 | 2.3 | 8.4 | 21 | 12 | 12 | 9.5 | 7.4 | 1.6 | 94 | 76 | 29 | 73 |
| 13 | 1.8 | 16 | 21 | 11 | 13 | 7.9 | 5.3 | 0.66 | 139 | 79 | 41 | 65 |
| 14 | 1.8 | 16 | 21 | 11 | 13 | 8.5 | 2.6 | 0.53 | 110 | 74 | 46 | 59 |
| 15 | 8.3 | 15 | 21 | 11 | 13 | 8.4 | 2.5 | 0.53 | 99 | 67 | 38 | 52 |
| 16 | 15 | 16 | 21 | 11 | 13 | 8.1 | 1.7 | 0.49 | 88 | 56 | 40 | 49 |
| 17 | 20 | 16 | 18 | 11 | 13 | 7.6 | 1.3 | 0.49 | 113 | 51 | 38 | 50 |
| 18 | 17 | 18 | 12 | 11 | 13 | 8.0 | 0.95 | 0.53 | 113 | 50 | 34 | 48 |
| 19 | 21 | 15 | 12 | 10 | 13 | 9.0 | 0.72 | 0.57 | 97 | 45 | 56 | 46 |
| 20 | 16 | 17 | 11 | 10 | 13 | 10 | 1.3 | 0.57 | 70 | 38 | 46 | 51 |
| 21 | 19 | 19 | 10 | 10 | 13 | 15 | 1.1 | 0.72 | 92 | 33 | 49 | 56 |
| 22 | 20 | 21 | 10 | 10 | 13 | 13 | 0.77 | 6.8 | 147 | 32 | 46 | 46 |
| 23 | 20 | 21 | 8.0 | 10 | 13 | 7.7 | 0.27 | 11 | 178 | 26 | 46 | 41 |
| 24 | 20 | 19 | 7.5 | 10 | 13 | 8.3 | 0.27 | 4.5 | 155 | 20 | 63 | 39 |
| 25 | 20 | 16 | 7.5 | 10 | 13 | 6.1 | 0.27 | 0.89 | 171 | 20 | 68 | 50 |
| 26 | 19 | 16 | 8.0 | 10 | 12 | 5.2 | 0.27 | 1.4 | 160 | 22 | 69 | 46 |
| 27 | 20 | 16 | 8.0 | 10 | 12 | 4.9 | 0.32 | 12 | 160 | 27 | 67 | 38 |
| 28 | 20 | 19 | 8.0 | 10 | 12 | 4.7 | 0.32 | 22 | 166 | 40 | 76 | 39 |
| 29 | 20 | 20 | 8.0 | 10 | --- | 4.6 | 0.32 | 82 | 197 | 61 | 56 | 40 |
| 30 | 19 | 19 | 8.0 | 10 | --- | 6.7 | 0.36 | 82 | 197 | 92 | 53 | 42 |
| 31 | 18 | --- | 8.0 | 10 | --- | 6.0 | --- | 56 | --- | 64 | 48 | --- |
| TOTAL | 369.2 | 511.4 | 476.0 | 309.5 | 334 | 272.4 | 72.64 | 311.76 | 3541 | 2394 | 1377 | 1376 |
| MEAN | 11.9 | 17.0 | 15.4 | 9.98 | 11.9 | 8.79 | 2.42 | 10.1 | 118 | 77.2 | 44.4 | 45.9 |
| AC-FT | 732 | 1010 | 944 | 614 | 662 | 540 | 144 | 618 | 7020 | 4750 | 2730 | 2730 |
| MAX | 21 | 21 | 22 | 12 | 13 | 15 | 7.4 | 82 | 197 | 192 | 76 | 73 |
| MIN | 1.3 | 8.4 | 7.5 | 7.0 | 10 | 4.6 | 0.27 | 0.44 | 68 | 20 | 25 | 28 |

CAL YR 1981 TOTAL 3640.46 MEAN 9.97 MAX 28 MIN 0.40 AC-FT 7220
WTR YR 1982 TOTAL 11344.89 MEAN 31.1 MAX 197 MIN 0.27 AC-FT 22500

MAX DISCH 251 CFS AT 0300 24-JUN-1982 GH 2.53 FT. SHIFT +0.19 FT. MAX GH 2.78 FT. AT 0230 24-JUN-1982



ARKANSAS RIVER BASIN

COTTONWOOD CREEK AT BUENA VISTA, CO (1983)

LOCATION.--Lat 38°50'04", long 106°07'20", in NW¼NW¼NW¼, sec. 16, T.14 S., R. 78 W., in Chaffee County, on left bank, about 1500 ft. upstream from Arkansas River, and 1200 ft. upstream from bridge at Buena Vista High School.

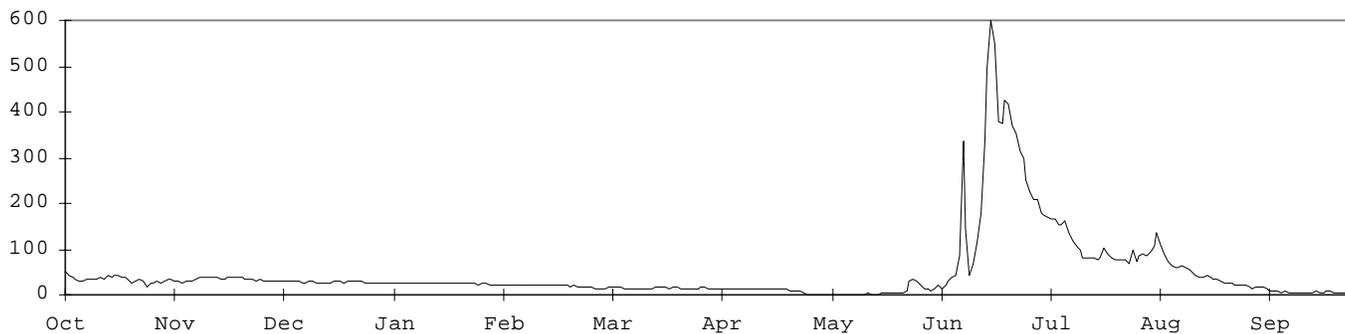
DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder. 2 ft. Parshall Flume in concrete dam. Datum of gage 7930 ft. from topographic map.

RATING TABLE.--COCR BVCO02 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|----------|------|------|------|------|------|-------|-------|--------|------|------|-------|
| 1 | 51 | 31 | 28 | 26 | 22 | 13 | 14 | 1.6 | 13 | 226 | 86 | 17 |
| 2 | 42 | 29 | 28 | 25 | 22 | 13 | 13 | 1.7 | 13 | 210 | 91 | 13 |
| 3 | 38 | 26 | 28 | 25 | 23 | 13 | 14 | 1.7 | 8.0 | 210 | 86 | 16 |
| 4 | 34 | 29 | 28 | 25 | 22 | 15 | 14 | 1.7 | 14 | 180 | 92 | 17 |
| 5 | 31 | 31 | 28 | 25 | 21 | 17 | 13 | 1.7 | 20 | 175 | 108 | 16 |
| 6 | 30 | 30 | 28 | 25 | 22 | 16 | 13 | 1.7 | 13 | 171 | 137 | 12 |
| 7 | 32 | 32 | 27 | 25 | 22 | 15 | 13 | 1.7 | 20 | 166 | 110 | 6.8 |
| 8 | 36 | 37 | 27 | 25 | 22 | 14 | 13 | 1.8 | 30 | 164 | 91 | 7.3 |
| 9 | 34 | 38 | 28 | 25 | 22 | 14 | 13 | 1.8 | 39 | 153 | 73 | 6.8 |
| 10 | 32 | 37 | 28 | 25 | 22 | 12 | 13 | 1.5 | 41 | 153 | 63 | 6.2 |
| 11 | 38 | 38 | 27 | 25 | 22 | 12 | 13 | 1.6 | 84 | 160 | 58 | 6.9 |
| 12 | 36 | 37 | 27 | 25 | 21 | 12 | 13 | 1.9 | 337 | 135 | 58 | 6.0 |
| 13 | 41 | 38 | 27 | 25 | 21 | 12 | 14 | 1.8 | 143 | 120 | 65 | 5.0 |
| 14 | 39 | 35 | 27 | 25 | 21 | 12 | 13 | 1.9 | 42 | 105 | 59 | 4.5 |
| 15 | 42 | 35 | 27 | 24 | 20 | 14 | 13 | 2.0 | 70 | 97 | 55 | 6.0 |
| 16 | 42 | 37 | 28 | 26 | 20 | 14 | 13 | 2.3 | 116 | 82 | 46 | 5.0 |
| 17 | 40 | 38 | 28 | 27 | 20 | 15 | 12 | 2.1 | 178 | 81 | 43 | 4.5 |
| 18 | 37 | 38 | 28 | 27 | 20 | 15 | 12 | 1.8 | 336 | 79 | 40 | 3.9 |
| 19 | 30 | 38 | 27 | 25 | 20 | 16 | 12 | 2.1 | 492 | 79 | 39 | 5.3 |
| 20 | 27 | 37 | 28 | 24 | 20 | 16 | 12 | 3.6 | 600 | 78 | 42 | 6.9 |
| 21 | 29 | 35 | 28 | 25 | 19 | 13 | 12 | 2.4 | 550 | 81 | 38 | 3.0 |
| 22 | 34 | 35 | 28 | 24 | 20 | 15 | 11 | 3.0 | 380 | 103 | 34 | 2.6 |
| 23 | 28 | 34 | 28 | 24 | 19 | 15 | 11 | 4.7 | 376 | 88 | 32 | 6.9 |
| 24 | 19 | 30 | 28 | 24 | 18 | 14 | 10 | 6.2 | 424 | 81 | 29 | 8.0 |
| 25 | 24 | 32 | 27 | 24 | 17 | 13 | 9.8 | 4.3 | 416 | 76 | 26 | 4.6 |
| 26 | 27 | 29 | 27 | 23 | 18 | 14 | 9.5 | 2.6 | 370 | 76 | 27 | 4.1 |
| 27 | 28 | 28 | 27 | 24 | 15 | 14 | 7.3 | 7.6 | 352 | 76 | 27 | 3.5 |
| 28 | 26 | 28 | 26 | 24 | 13 | 14 | 5.1 | 30 | 314 | 75 | 23 | 3.5 |
| 29 | 28 | 28 | 26 | 23 | --- | 14 | 1.8 | 36 | 298 | 70 | 21 | 2.9 |
| 30 | 34 | 28 | 26 | 22 | --- | 15 | 1.7 | 28 | 252 | 99 | 21 | 2.6 |
| 31 | 34 | --- | 26 | 22 | --- | 15 | --- | 21 | --- | 73 | 20 | --- |
| TOTAL | 1043 | 998 | 849 | 763 | 564 | 436 | 339.2 | 183.8 | 6341.0 | 3722 | 1740 | 213.8 |
| MEAN | 33.6 | 33.3 | 27.4 | 24.6 | 20.1 | 14.1 | 11.3 | 5.93 | 211 | 120 | 56.1 | 7.13 |
| AC-FT | 2070 | 1980 | 1680 | 1510 | 1120 | 865 | 673 | 365 | 12580 | 7380 | 3450 | 424 |
| MAX | 51 | 38 | 28 | 27 | 23 | 17 | 14 | 36 | 600 | 226 | 137 | 17 |
| MIN | 19 | 26 | 26 | 22 | 13 | 12 | 1.7 | 1.5 | 8.0 | 70 | 20 | 2.6 |
| CAL YR 1982 TOTAL | 12878.29 | MEAN | 35.3 | MAX | 197 | MIN | 0.27 | AC-FT | 25540 | | | |
| WTR YR 1983 TOTAL | 17192.8 | MEAN | 47.1 | MAX | 600 | MIN | 1.5 | AC-FT | 34100 | | | |



ARKANSAS RIVER BASIN

COTTONWOOD CREEK AT BUENA VISTA, CO (1984)

LOCATION.--Lat 38°50'04", long 106°07'20", in NW¼NW¼NW¼, sec. 16, T.14 S., R. 78 W., in Chaffee County, on left bank, about 1500 ft. upstream from Arkansas River, and 1200 ft. upstream from bridge at Buena Vista High School.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder. 2 ft. Parshall Flume in concrete dam. Datum of gage 7930 ft. from topographic map.

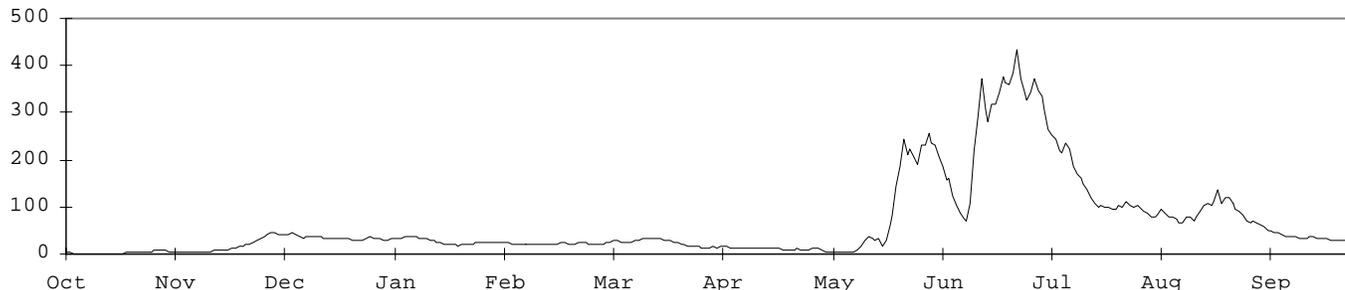
RATING TABLE.--COCRVC002 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|------|------|-------|--------|-------|-------|------|------|
| 1 | 3.0 | 5.9 | 42 | 31 | 24 | 21 | 15 | 11 | 257 | 373 | 90 | 69 |
| 2 | 2.3 | 5.8 | 42 | 33 | 23 | 23 | 14 | 6.5 | 237 | 348 | 88 | 67 |
| 3 | 1.6 | 5.6 | 43 | 34 | 23 | 25 | 15 | 4.4 | 231 | 334 | 78 | 61 |
| 4 | 1.4 | 5.3 | 45 | 35 | 22 | 27 | 15 | 4.4 | 207 | 307 | 77 | 56 |
| 5 | 1.4 | 5.4 | 43 | 36 | 22 | 27 | 16 | 4.4 | 185 | 266 | 84 | 51 |
| 6 | 1.4 | 5.2 | 37 | 36 | 22 | 26 | 14 | 4.3 | 155 | 251 | 96 | 48 |
| 7 | 1.6 | 4.9 | 35 | 36 | 22 | 24 | 13 | 4.2 | 162 | 243 | 85 | 46 |
| 8 | 1.6 | 5.4 | 36 | 37 | 21 | 23 | 13 | 4.1 | 124 | 220 | 78 | 45 |
| 9 | 1.2 | 4.4 | 37 | 35 | 21 | 26 | 13 | 3.9 | 102 | 215 | 78 | 40 |
| 10 | 1.1 | 4.6 | 39 | 33 | 20 | 30 | 12 | 4.2 | 86 | 237 | 74 | 36 |
| 11 | 1.0 | 5.9 | 39 | 31 | 21 | 30 | 12 | 4.8 | 74 | 223 | 68 | 38 |
| 12 | 0.95 | 6.3 | 36 | 28 | 21 | 31 | 12 | 8.1 | 69 | 185 | 67 | 37 |
| 13 | 0.89 | 7.0 | 34 | 27 | 20 | 32 | 12 | 16 | 107 | 169 | 77 | 37 |
| 14 | 1.2 | 8.0 | 33 | 25 | 20 | 33 | 12 | 27 | 220 | 160 | 78 | 35 |
| 15 | 1.2 | 9.0 | 32 | 24 | 21 | 34 | 12 | 38 | 289 | 149 | 72 | 34 |
| 16 | 1.1 | 10 | 33 | 22 | 21 | 33 | 11 | 31 | 373 | 137 | 78 | 34 |
| 17 | 1.2 | 12 | 34 | 21 | 20 | 32 | 11 | 28 | 304 | 118 | 91 | 37 |
| 18 | 2.5 | 14 | 35 | 20 | 23 | 30 | 11 | 35 | 283 | 108 | 102 | 36 |
| 19 | 3.4 | 15 | 33 | 19 | 23 | 29 | 11 | 18 | 317 | 100 | 108 | 34 |
| 20 | 4.3 | 17 | 32 | 18 | 21 | 28 | 12 | 28 | 320 | 102 | 102 | 34 |
| 21 | 3.2 | 19 | 30 | 19 | 20 | 26 | 10 | 64 | 345 | 100 | 113 | 32 |
| 22 | 3.1 | 22 | 29 | 20 | 21 | 24 | 10 | 81 | 376 | 100 | 135 | 33 |
| 23 | 3.9 | 24 | 28 | 21 | 24 | 22 | 9.9 | 143 | 362 | 94 | 108 | 30 |
| 24 | 3.4 | 28 | 29 | 22 | 23 | 20 | 10 | 185 | 359 | 96 | 118 | 30 |
| 25 | 4.4 | 32 | 33 | 23 | 23 | 18 | 11 | 243 | 384 | 105 | 120 | 27 |
| 26 | 7.2 | 37 | 36 | 24 | 22 | 16 | 10 | 210 | 432 | 99 | 107 | 27 |
| 27 | 7.0 | 40 | 35 | 24 | 21 | 15 | 10 | 223 | 370 | 113 | 97 | 28 |
| 28 | 7.2 | 44 | 34 | 25 | 20 | 15 | 10 | 207 | 345 | 103 | 90 | 29 |
| 29 | 6.2 | 44 | 33 | 25 | 19 | 14 | 12 | 192 | 328 | 99 | 82 | 28 |
| 30 | 5.3 | 42 | 30 | 25 | --- | 13 | 11 | 231 | 345 | 102 | 70 | 27 |
| 31 | 5.3 | --- | 29 | 25 | --- | 13 | --- | 231 | --- | 100 | 65 | --- |
| TOTAL | 90.54 | 488.7 | 1086 | 834 | 624 | 760 | 359.9 | 2295.3 | 7748 | 5356 | 2776 | 1166 |
| MEAN | 2.92 | 16.3 | 35.0 | 26.9 | 21.5 | 24.5 | 12.0 | 74.0 | 258 | 173 | 89.5 | 38.9 |
| AC-FT | 180 | 969 | 2150 | 1650 | 1240 | 1510 | 714 | 4550 | 15370 | 10620 | 5510 | 2310 |
| MAX | 7.2 | 44 | 45 | 37 | 24 | 34 | 16 | 243 | 432 | 373 | 135 | 69 |
| MIN | 0.89 | 4.4 | 28 | 18 | 19 | 13 | 9.9 | 3.9 | 69 | 94 | 65 | 27 |

CAL YR 1983 TOTAL 15968.04 MEAN 43.7 MAX 600 MIN 0.89 AC-FT 31670
WTR YR 1984 TOTAL 23584.44 MEAN 64.4 MAX 432 MIN 0.89 AC-FT 46780

MAX DISCH 474 CFS AT 0330 26-JUN-1984 GH 3.51 FT. SHIFT +0.12 FT. MAX GH 3.51 FT. AT 0330 26-JUN-1984



ARKANSAS RIVER BASIN

COTTONWOOD CREEK AT BUENA VISTA, CO (1986)

LOCATION.--Lat 38°50'04", long 106°07'20", in NW¼NW¼NW¼, sec. 16, T.14 S., R. 78 W., in Chaffee County, on left bank, about 1500 ft. upstream from Arkansas River, and 1200 ft. upstream from bridge at Buena Vista High School.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder. 2 ft. Parshall Flume in concrete dam. Datum of gage 7930 ft. from topographic map.

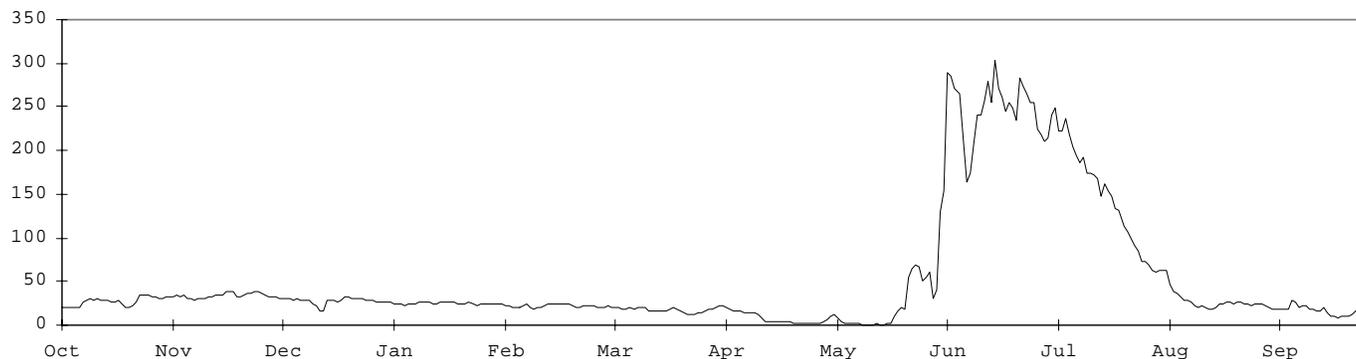
RATING TABLE.--COCR BVCO02 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|--------|-------|-------|------|-------|
| 1 | 21 | 32 | 31 | 27 | 24 | 21 | 19 | 2.3 | 61 | 224 | 68 | 24 |
| 2 | 21 | 34 | 31 | 25 | 23 | 21 | 20 | 4.0 | 31 | 218 | 63 | 24 |
| 3 | 20 | 32 | 30 | 25 | 23 | 22 | 23 | 5.5 | 41 | 210 | 61 | 23 |
| 4 | 21 | 35 | 30 | 24 | 21 | 21 | 22 | 11 | 129 | 215 | 62 | 21 |
| 5 | 20 | 30 | 28 | 23 | 21 | 20 | 20 | 13 | 154 | 241 | 63 | 19 |
| 6 | 21 | 30 | 30 | 25 | 21 | 20 | 19 | 7.6 | 289 | 248 | 63 | 18 |
| 7 | 27 | 28 | 29 | 24 | 23 | 19 | 16 | 4.6 | 285 | 223 | 47 | 18 |
| 8 | 29 | 30 | 29 | 25 | 24 | 19 | 17 | 2.7 | 272 | 223 | 38 | 19 |
| 9 | 30 | 31 | 28 | 26 | 21 | 20 | 16 | 2.2 | 266 | 237 | 36 | 19 |
| 10 | 29 | 30 | 24 | 26 | 18 | 19 | 15 | 2.8 | 213 | 218 | 32 | 28 |
| 11 | 31 | 32 | 22 | 26 | 20 | 20 | 14 | 3.0 | 164 | 205 | 29 | 27 |
| 12 | 29 | 32 | 16 | 26 | 21 | 20 | 14 | 1.5 | 175 | 195 | 28 | 21 |
| 13 | 28 | 34 | 16 | 25 | 22 | 20 | 14 | 0.72 | 209 | 187 | 26 | 22 |
| 14 | 29 | 34 | 29 | 25 | 25 | 17 | 13 | 0.88 | 240 | 192 | 23 | 22 |
| 15 | 26 | 34 | 29 | 26 | 24 | 17 | 9.1 | 0.73 | 240 | 173 | 21 | 19 |
| 16 | 26 | 38 | 28 | 26 | 24 | 16 | 4.4 | 0.78 | 257 | 175 | 23 | 18 |
| 17 | 28 | 39 | 27 | 26 | 24 | 17 | 4.3 | 1.1 | 280 | 171 | 21 | 17 |
| 18 | 24 | 38 | 28 | 26 | 25 | 16 | 4.2 | 0.95 | 254 | 168 | 19 | 17 |
| 19 | 21 | 33 | 32 | 26 | 25 | 16 | 3.8 | 1.0 | 304 | 147 | 18 | 21 |
| 20 | 20 | 32 | 33 | 25 | 25 | 18 | 4.1 | 1.3 | 271 | 162 | 20 | 14 |
| 21 | 22 | 35 | 31 | 24 | 22 | 20 | 4.5 | 3.0 | 260 | 153 | 24 | 11 |
| 22 | 27 | 36 | 30 | 25 | 21 | 19 | 4.2 | 11 | 245 | 147 | 24 | 9.4 |
| 23 | 34 | 37 | 31 | 26 | 21 | 17 | 3.7 | 16 | 254 | 133 | 26 | 8.9 |
| 24 | 34 | 38 | 30 | 24 | 22 | 15 | 2.5 | 20 | 248 | 131 | 27 | 11 |
| 25 | 34 | 38 | 29 | 23 | 22 | 13 | 2.4 | 18 | 234 | 113 | 24 | 11 |
| 26 | 33 | 37 | 29 | 25 | 23 | 13 | 2.4 | 54 | 283 | 107 | 26 | 11 |
| 27 | 32 | 35 | 28 | 24 | 22 | 13 | 2.2 | 65 | 274 | 99 | 26 | 12 |
| 28 | 30 | 32 | 27 | 25 | 20 | 14 | 2.0 | 68 | 266 | 91 | 25 | 16 |
| 29 | 30 | 32 | 26 | 25 | --- | 15 | 1.9 | 66 | 254 | 85 | 24 | 18 |
| 30 | 32 | 33 | 26 | 24 | --- | 16 | 1.9 | 51 | 254 | 73 | 23 | 16 |
| 31 | 32 | --- | 26 | 24 | --- | 18 | --- | 55 | --- | 72 | 24 | --- |
| TOTAL | 841 | 1011 | 863 | 776 | 627 | 552 | 299.6 | 494.65 | 6707 | 5236 | 1034 | 535.3 |
| MEAN | 27.1 | 33.7 | 27.8 | 25.0 | 22.4 | 17.8 | 9.99 | 16.0 | 224 | 169 | 33.4 | 17.8 |
| AC-FT | 1670 | 2010 | 1710 | 1540 | 1240 | 1090 | 594 | 981 | 13300 | 10390 | 2050 | 1060 |
| MAX | 34 | 39 | 33 | 27 | 25 | 22 | 23 | 68 | 304 | 248 | 68 | 28 |
| MIN | 20 | 28 | 16 | 23 | 18 | 13 | 1.9 | 0.72 | 31 | 72 | 18 | 8.9 |

CAL YR 1985 TOTAL 20622.8 MEAN 56.5 MAX 537 MIN 3.8 AC-FT 40910
WTR YR 1986 TOTAL 18976.55 MEAN 52.0 MAX 304 MIN 0.72 AC-FT 37640

MAX DISCH 396 CFS AT 2300 06-JUN-1986 GH 3.31 FT. SHIFT 0.13 FT. MAX GH 3.31 FT. AT 2300 06-JUN-1986



ARKANSAS RIVER BASIN

COTTONWOOD CREEK AT BUENA VISTA, CO (1987)

LOCATION.--Lat 38°50'04", long 106°07'20", in NW¼NW¼NW¼, sec. 16, T.14 S., R. 78 W., in Chaffee County, on left bank, about 1500 ft. upstream from Arkansas River, and 1200 ft. upstream from bridge at Buena Vista High School.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry. 2 ft. Parshall Flume in concrete dam. Datum of gage 7930 ft. from topographic map.

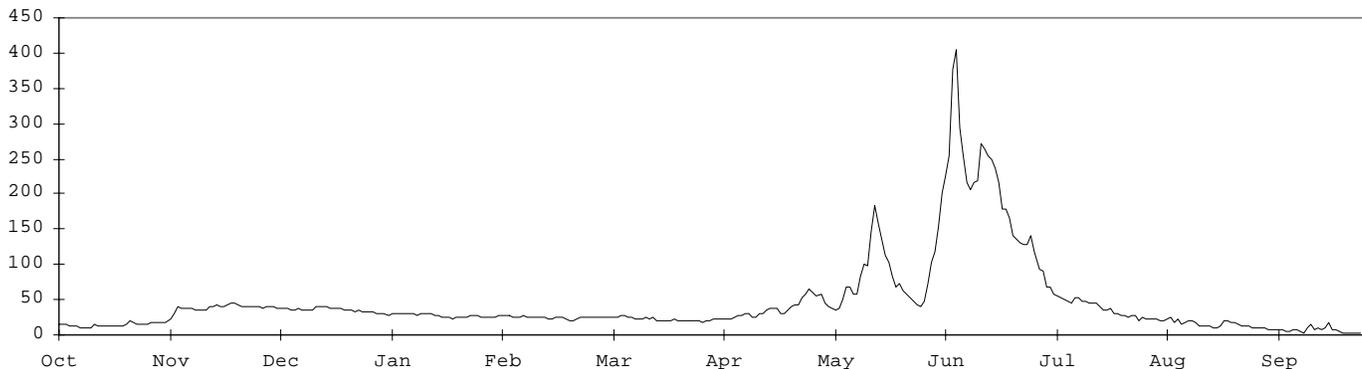
RATING TABLE.--COCRBVC02 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|------|-------|------|-------|-------|
| 1 | 14 | 23 | 37 | 28 | 28 | 24 | 21 | 55 | 72 | 117 | 23 | 9.8 |
| 2 | 14 | 30 | 38 | 30 | 28 | 25 | 22 | 57 | 102 | 94 | 23 | 8.9 |
| 3 | 14 | 39 | 38 | 30 | 28 | 24 | 22 | 46 | 117 | 90 | 23 | 9.1 |
| 4 | 13 | 38 | 38 | 31 | 28 | 24 | 22 | 41 | 153 | 69 | 22 | 6.9 |
| 5 | 12 | 37 | 36 | 31 | 25 | 25 | 22 | 38 | 200 | 69 | 19 | 6.8 |
| 6 | 12 | 37 | 36 | 31 | 26 | 26 | 23 | 35 | 226 | 57 | 19 | 6.7 |
| 7 | 11 | 37 | 37 | 30 | 25 | 27 | 23 | 37 | 254 | 56 | 22 | 6.6 |
| 8 | 11 | 34 | 34 | 29 | 27 | 27 | 25 | 50 | 376 | 52 | 25 | 6.3 |
| 9 | 10 | 34 | 34 | 28 | 26 | 26 | 27 | 67 | 404 | 51 | 17 | 5.9 |
| 10 | 11 | 36 | 34 | 29 | 25 | 25 | 27 | 67 | 295 | 48 | 23 | 5.3 |
| 11 | 14 | 36 | 34 | 29 | 25 | 23 | 30 | 58 | 254 | 46 | 16 | 6.7 |
| 12 | 12 | 41 | 39 | 30 | 24 | 23 | 30 | 59 | 215 | 54 | 18 | 6.9 |
| 13 | 12 | 41 | 39 | 29 | 24 | 23 | 26 | 82 | 207 | 54 | 20 | 4.4 |
| 14 | 13 | 42 | 39 | 28 | 24 | 24 | 26 | 100 | 215 | 48 | 19 | 3.7 |
| 15 | 13 | 41 | 39 | 28 | 23 | 23 | 31 | 97 | 218 | 48 | 17 | 11 |
| 16 | 13 | 41 | 38 | 26 | 22 | 24 | 31 | 147 | 271 | 46 | 12 | 14 |
| 17 | 13 | 43 | 38 | 24 | 24 | 21 | 34 | 183 | 263 | 45 | 13 | 8.0 |
| 18 | 12 | 44 | 37 | 24 | 24 | 21 | 38 | 158 | 254 | 46 | 13 | 8.9 |
| 19 | 12 | 46 | 37 | 23 | 25 | 21 | 38 | 135 | 248 | 41 | 13 | 7.0 |
| 20 | 15 | 43 | 36 | 24 | 23 | 21 | 38 | 113 | 237 | 36 | 11 | 9.6 |
| 21 | 20 | 41 | 35 | 24 | 19 | 21 | 30 | 103 | 215 | 34 | 9.5 | 18 |
| 22 | 18 | 41 | 34 | 25 | 21 | 22 | 30 | 82 | 178 | 38 | 12 | 8.3 |
| 23 | 15 | 39 | 33 | 26 | 23 | 21 | 35 | 67 | 178 | 31 | 20 | 6.7 |
| 24 | 14 | 39 | 34 | 27 | 25 | 21 | 41 | 73 | 166 | 30 | 21 | 5.0 |
| 25 | 14 | 41 | 33 | 28 | 26 | 21 | 43 | 64 | 141 | 28 | 18 | 2.9 |
| 26 | 16 | 40 | 33 | 27 | 26 | 19 | 43 | 59 | 137 | 28 | 18 | 2.1 |
| 27 | 17 | 37 | 32 | 25 | 25 | 20 | 54 | 54 | 131 | 24 | 16 | 1.7 |
| 28 | 17 | 39 | 32 | 24 | 24 | 19 | 58 | 48 | 127 | 28 | 13 | 1.4 |
| 29 | 17 | 40 | 31 | 24 | --- | 19 | 65 | 42 | 127 | 28 | 13 | 1.5 |
| 30 | 18 | 40 | 31 | 25 | --- | 18 | 61 | 41 | 141 | 20 | 12 | 1.3 |
| 31 | 18 | --- | 30 | 24 | --- | 20 | --- | 48 | --- | 25 | 11 | --- |
| TOTAL | 435 | 1160 | 1096 | 841 | 693 | 698 | 1016 | 2306 | 6122 | 1481 | 531.5 | 201.4 |
| MEAN | 14.0 | 38.7 | 35.4 | 27.1 | 24.8 | 22.5 | 33.9 | 74.4 | 204 | 47.8 | 17.1 | 6.71 |
| AC-FT | 863 | 2300 | 2170 | 1670 | 1370 | 1380 | 2020 | 4570 | 12140 | 2940 | 1050 | 399 |
| MAX | 20 | 46 | 39 | 31 | 28 | 27 | 65 | 183 | 404 | 117 | 25 | 18 |
| MIN | 10 | 23 | 30 | 23 | 19 | 18 | 21 | 35 | 72 | 20 | 9.5 | 1.3 |

CAL YR 1986 TOTAL 18952.55 MEAN 51.9 MAX 304 MIN 0.72 AC-FT 37590
WTR YR 1987 TOTAL 16580.9 MEAN 45.4 MAX 404 MIN 1.3 AC-FT 32890

MAX DISCH 474 CFS AT 2330 08-JUN-1987 GH 3.41 FT. SHIFT 0.22 FT. MAX GH 3.41 FT. AT 2330 08-JUN-1987



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1980)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

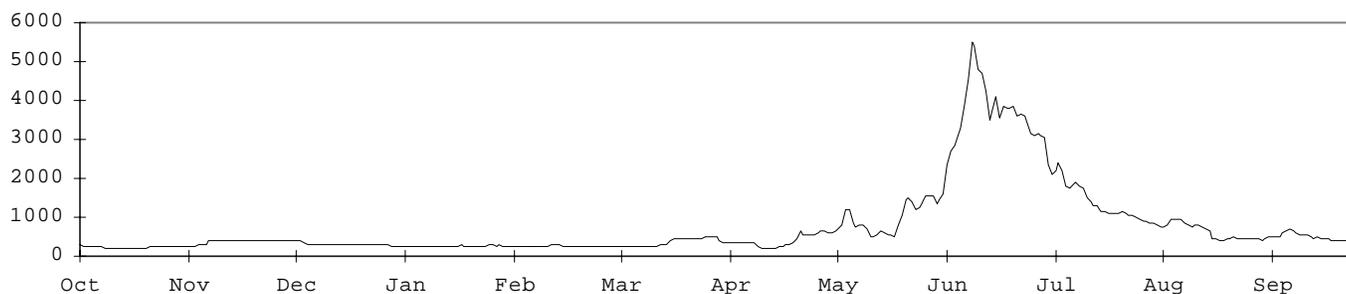
DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well. Datum of gage is 7,050.45 ft.

RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| 1 | 294 | 266 | 404 | 266 | 256 | 256 | 404 | 664 | 1550 | 3150 | 902 | 437 |
| 2 | 272 | 266 | 404 | 266 | 256 | 245 | 353 | 607 | 1340 | 3120 | 848 | 430 |
| 3 | 256 | 266 | 424 | 261 | 256 | 250 | 335 | 607 | 1440 | 3070 | 839 | 410 |
| 4 | 261 | 278 | 335 | 272 | 256 | 256 | 353 | 664 | 1600 | 2330 | 821 | 458 |
| 5 | 261 | 283 | 294 | 266 | 250 | 250 | 372 | 706 | 2330 | 2100 | 767 | 479 |
| 6 | 261 | 323 | 288 | 261 | 245 | 250 | 353 | 794 | 2720 | 2180 | 740 | 493 |
| 7 | 235 | 404 | 288 | 261 | 261 | 256 | 347 | 1190 | 2840 | 2400 | 803 | 486 |
| 8 | 225 | 410 | 288 | 272 | 245 | 250 | 335 | 1220 | 2980 | 2180 | 940 | 493 |
| 9 | 225 | 410 | 283 | 261 | 250 | 245 | 329 | 839 | 3300 | 1950 | 970 | 591 |
| 10 | 225 | 404 | 278 | 256 | 256 | 245 | 341 | 758 | 3900 | 1770 | 940 | 672 |
| 11 | 220 | 398 | 283 | 261 | 256 | 250 | 341 | 776 | 4550 | 1840 | 930 | 698 |
| 12 | 210 | 404 | 278 | 250 | 266 | 245 | 272 | 785 | 5500 | 1890 | 866 | 631 |
| 13 | 205 | 384 | 278 | 266 | 300 | 240 | 200 | 714 | 5400 | 1820 | 812 | 583 |
| 14 | 200 | 384 | 278 | 266 | 278 | 266 | 196 | 493 | 4950 | 1770 | 767 | 552 |
| 15 | 200 | 378 | 288 | 266 | 278 | 300 | 210 | 522 | 4700 | 1500 | 803 | 530 |
| 16 | 200 | 378 | 288 | 272 | 266 | 300 | 210 | 553 | 4250 | 1400 | 803 | 560 |
| 17 | 200 | 391 | 288 | 272 | 250 | 288 | 225 | 639 | 3500 | 1310 | 749 | 508 |
| 18 | 205 | 410 | 288 | 283 | 256 | 384 | 250 | 591 | 3700 | 1280 | 723 | 465 |
| 19 | 210 | 417 | 288 | 272 | 266 | 465 | 266 | 545 | 4100 | 1150 | 655 | 479 |
| 20 | 215 | 417 | 288 | 261 | 256 | 465 | 283 | 545 | 3540 | 1140 | 451 | 472 |
| 21 | 235 | 398 | 283 | 266 | 250 | 465 | 305 | 500 | 3860 | 1120 | 430 | 444 |
| 22 | 256 | 404 | 283 | 266 | 250 | 465 | 341 | 776 | 3800 | 1120 | 424 | 430 |
| 23 | 256 | 410 | 283 | 256 | 250 | 465 | 458 | 1070 | 3800 | 1110 | 424 | 404 |
| 24 | 266 | 410 | 283 | 261 | 250 | 458 | 647 | 1470 | 3830 | 1090 | 444 | 404 |
| 25 | 266 | 417 | 294 | 266 | 245 | 465 | 568 | 1490 | 3620 | 1130 | 465 | 398 |
| 26 | 256 | 417 | 294 | 278 | 245 | 458 | 568 | 1380 | 3670 | 1100 | 479 | 410 |
| 27 | 250 | 410 | 300 | 278 | 250 | 472 | 553 | 1210 | 3610 | 1040 | 458 | 404 |
| 28 | 245 | 404 | 288 | 266 | 250 | 486 | 553 | 1230 | 3440 | 1040 | 451 | 404 |
| 29 | 256 | 391 | 266 | 278 | 256 | 479 | 615 | 1360 | 3150 | 1010 | 430 | 378 |
| 30 | 266 | 404 | 266 | 256 | --- | 479 | 655 | 1570 | 3100 | 930 | 437 | 372 |
| 31 | 266 | --- | 266 | 245 | --- | 500 | --- | 1540 | --- | 920 | 472 | --- |
| TOTAL | 7398 | 11336 | 9237 | 8227 | 7449 | 10898 | 11238 | 27808 | 104070 | 50960 | 21043 | 14475 |
| MEAN | 239 | 378 | 298 | 265 | 257 | 352 | 375 | 897 | 3469 | 1644 | 679 | 483 |
| AC-FT | 14670 | 22480 | 18320 | 16320 | 14780 | 21620 | 22290 | 55160 | 206400 | 101100 | 41740 | 28710 |
| MAX | 294 | 417 | 424 | 283 | 300 | 500 | 655 | 1570 | 5500 | 3150 | 970 | 698 |
| MIN | 200 | 266 | 266 | 245 | 245 | 240 | 196 | 493 | 1340 | 920 | 424 | 372 |
| CAL YR 1979 TOTAL | | 266919 | MEAN | 731 | MAX | 3570 | MIN | 140 | AC-FT | 529400 | | |
| WTR YR 1980 TOTAL | | 284139 | MEAN | 776 | MAX | 5500 | MIN | 196 | AC-FT | 563600 | | |



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1981)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

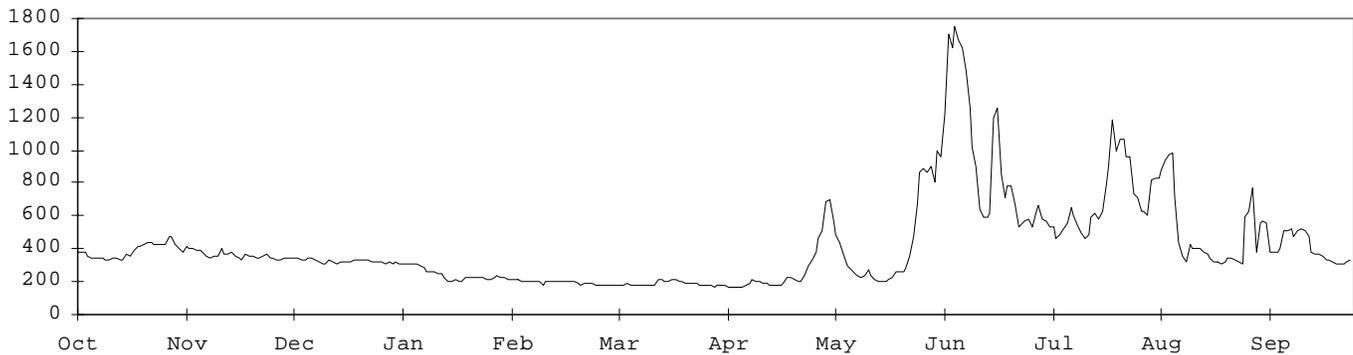
DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well. Datum of gage is 7,050.45 ft.

RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 1 | 378 | 410 | 341 | 311 | 215 | 182 | 168 | 458 | 866 | 538 | 631 | 623 |
| 2 | 384 | 404 | 341 | 311 | 210 | 173 | 182 | 515 | 902 | 631 | 623 | 767 |
| 3 | 384 | 398 | 347 | 311 | 210 | 178 | 178 | 681 | 950 | 664 | 599 | 378 |
| 4 | 359 | 391 | 329 | 311 | 215 | 178 | 178 | 698 | 1000 | 583 | 821 | 552 |
| 5 | 347 | 391 | 335 | 311 | 200 | 173 | 160 | 568 | 960 | 568 | 830 | 568 |
| 6 | 347 | 365 | 341 | 305 | 196 | 178 | 164 | 486 | 1220 | 538 | 830 | 560 |
| 7 | 347 | 353 | 341 | 300 | 196 | 186 | 160 | 444 | 1700 | 538 | 875 | 384 |
| 8 | 341 | 347 | 329 | 288 | 196 | 182 | 164 | 365 | 1620 | 465 | 930 | 384 |
| 9 | 335 | 353 | 317 | 261 | 200 | 178 | 168 | 294 | 1750 | 486 | 970 | 384 |
| 10 | 335 | 353 | 305 | 261 | 205 | 182 | 182 | 278 | 1670 | 522 | 980 | 398 |
| 11 | 341 | 404 | 311 | 261 | 178 | 182 | 191 | 256 | 1620 | 552 | 714 | 508 |
| 12 | 341 | 372 | 335 | 245 | 196 | 182 | 210 | 240 | 1480 | 647 | 437 | 515 |
| 13 | 335 | 365 | 317 | 245 | 205 | 178 | 205 | 220 | 1250 | 607 | 353 | 522 |
| 14 | 335 | 384 | 311 | 220 | 200 | 178 | 196 | 240 | 1020 | 545 | 317 | 479 |
| 15 | 365 | 353 | 317 | 200 | 205 | 182 | 191 | 278 | 902 | 500 | 430 | 508 |
| 16 | 359 | 341 | 317 | 205 | 205 | 210 | 191 | 235 | 639 | 465 | 404 | 522 |
| 17 | 391 | 335 | 317 | 210 | 205 | 215 | 178 | 210 | 591 | 486 | 398 | 508 |
| 18 | 417 | 365 | 323 | 200 | 205 | 205 | 173 | 205 | 591 | 591 | 404 | 472 |
| 19 | 417 | 359 | 329 | 205 | 205 | 205 | 173 | 205 | 615 | 615 | 384 | 378 |
| 20 | 430 | 353 | 329 | 220 | 200 | 210 | 173 | 205 | 1200 | 575 | 365 | 365 |
| 21 | 437 | 347 | 329 | 220 | 191 | 210 | 191 | 210 | 1250 | 623 | 341 | 365 |
| 22 | 437 | 347 | 335 | 220 | 178 | 205 | 220 | 220 | 857 | 794 | 323 | 353 |
| 23 | 430 | 353 | 335 | 220 | 186 | 205 | 225 | 256 | 714 | 902 | 317 | 329 |
| 24 | 424 | 365 | 323 | 225 | 186 | 191 | 210 | 261 | 776 | 1180 | 311 | 335 |
| 25 | 424 | 347 | 317 | 225 | 186 | 186 | 196 | 261 | 785 | 990 | 323 | 323 |
| 26 | 424 | 341 | 323 | 210 | 182 | 191 | 196 | 288 | 680 | 1060 | 341 | 311 |
| 27 | 479 | 329 | 317 | 215 | 173 | 186 | 235 | 359 | 530 | 1070 | 347 | 305 |
| 28 | 479 | 335 | 311 | 220 | 182 | 182 | 294 | 479 | 552 | 960 | 335 | 305 |
| 29 | 424 | 341 | 317 | 235 | --- | 173 | 329 | 680 | 568 | 960 | 317 | 323 |
| 30 | 398 | 341 | 311 | 220 | --- | 178 | 384 | 866 | 575 | 740 | 311 | 329 |
| 31 | 378 | --- | 317 | 220 | --- | 173 | --- | 893 | --- | 706 | 591 | --- |
| TOTAL | 12022 | 10842 | 10067 | 7611 | 5511 | 5817 | 6065 | 11854 | 29833 | 21101 | 16152 | 13053 |
| MEAN | 388 | 361 | 325 | 246 | 197 | 188 | 202 | 382 | 994 | 681 | 521 | 435 |
| AC-FT | 23850 | 21510 | 19970 | 15100 | 10930 | 11540 | 12030 | 23510 | 59170 | 41850 | 32040 | 25890 |
| MAX | 479 | 410 | 347 | 311 | 215 | 215 | 384 | 893 | 1750 | 1180 | 980 | 767 |
| MIN | 335 | 329 | 305 | 200 | 173 | 173 | 160 | 205 | 530 | 465 | 311 | 305 |
| CAL YR 1980 TOTAL | | 289099 | MEAN | 790 | MAX | 5500 | MIN | 196 | AC-FT | 573400 | | |
| WTR YR 1981 TOTAL | | 149928 | MEAN | 411 | MAX | 1750 | MIN | 160 | AC-FT | 297400 | | |



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1982)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well. Datum of gage is 7,050.45 ft.

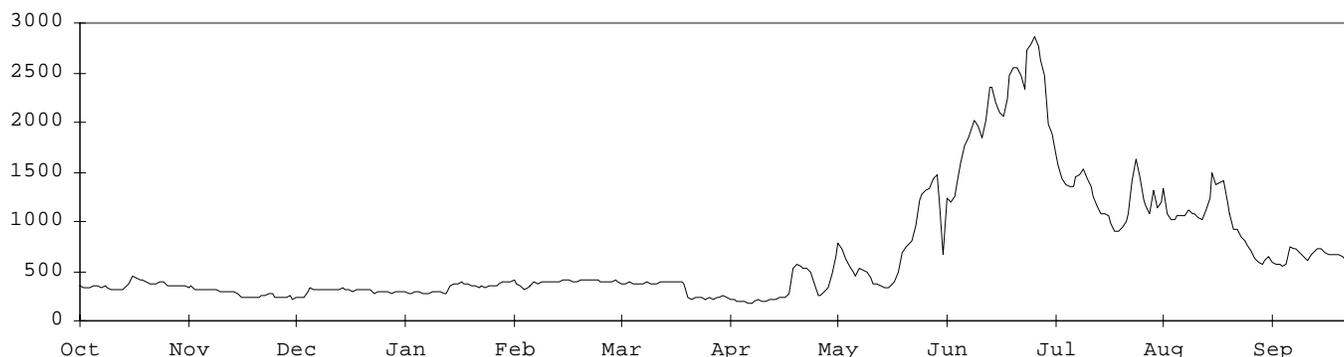
RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| 1 | 359 | 341 | 225 | 300 | 398 | 391 | 240 | 261 | 1330 | 2870 | 1220 | 706 |
| 2 | 335 | 347 | 230 | 294 | 410 | 398 | 240 | 288 | 1430 | 2760 | 1150 | 623 |
| 3 | 335 | 323 | 245 | 283 | 380 | 404 | 250 | 335 | 1480 | 2620 | 1080 | 583 |
| 4 | 341 | 317 | 235 | 272 | 360 | 398 | 240 | 465 | 1210 | 2480 | 1320 | 568 |
| 5 | 347 | 323 | 294 | 294 | 310 | 378 | 220 | 639 | 664 | 1990 | 1130 | 599 |
| 6 | 359 | 305 | 329 | 300 | 340 | 378 | 225 | 776 | 1230 | 1880 | 1190 | 639 |
| 7 | 341 | 305 | 323 | 278 | 360 | 384 | 200 | 723 | 1200 | 1670 | 1330 | 591 |
| 8 | 347 | 311 | 317 | 272 | 390 | 378 | 191 | 631 | 1250 | 1570 | 1080 | 560 |
| 9 | 329 | 305 | 317 | 283 | 365 | 378 | 191 | 545 | 1380 | 1430 | 1020 | 560 |
| 10 | 305 | 300 | 305 | 300 | 391 | 372 | 186 | 486 | 1590 | 1370 | 1010 | 552 |
| 11 | 305 | 300 | 317 | 294 | 398 | 372 | 186 | 451 | 1770 | 1360 | 1050 | 575 |
| 12 | 305 | 288 | 323 | 300 | 398 | 384 | 200 | 530 | 1850 | 1360 | 1050 | 740 |
| 13 | 317 | 294 | 323 | 278 | 398 | 378 | 210 | 515 | 1970 | 1450 | 1050 | 723 |
| 14 | 335 | 288 | 323 | 283 | 398 | 378 | 200 | 486 | 2010 | 1480 | 1120 | 732 |
| 15 | 372 | 272 | 329 | 347 | 398 | 378 | 205 | 430 | 1970 | 1520 | 1070 | 680 |
| 16 | 458 | 245 | 323 | 365 | 404 | 398 | 220 | 378 | 1850 | 1430 | 1070 | 647 |
| 17 | 437 | 240 | 311 | 378 | 410 | 398 | 210 | 365 | 2020 | 1350 | 1030 | 615 |
| 18 | 417 | 245 | 300 | 384 | 404 | 398 | 215 | 347 | 2350 | 1250 | 1020 | 672 |
| 19 | 410 | 240 | 305 | 372 | 398 | 398 | 230 | 335 | 2350 | 1150 | 1120 | 689 |
| 20 | 384 | 235 | 317 | 365 | 398 | 398 | 235 | 335 | 2200 | 1080 | 1240 | 723 |
| 21 | 372 | 245 | 317 | 353 | 410 | 391 | 230 | 353 | 2090 | 1080 | 1490 | 723 |
| 22 | 372 | 250 | 317 | 353 | 410 | 391 | 266 | 391 | 2050 | 1060 | 1370 | 689 |
| 23 | 378 | 250 | 305 | 335 | 404 | 378 | 530 | 500 | 2230 | 980 | 1400 | 672 |
| 24 | 391 | 278 | 283 | 359 | 404 | 230 | 575 | 680 | 2470 | 911 | 1410 | 672 |
| 25 | 391 | 266 | 294 | 341 | 410 | 220 | 545 | 740 | 2540 | 911 | 1190 | 664 |
| 26 | 359 | 245 | 294 | 353 | 410 | 230 | 522 | 758 | 2540 | 940 | 1080 | 664 |
| 27 | 353 | 240 | 300 | 353 | 391 | 235 | 538 | 803 | 2480 | 1000 | 920 | 647 |
| 28 | 347 | 245 | 294 | 353 | 391 | 230 | 486 | 970 | 2340 | 1080 | 920 | 607 |
| 29 | 347 | 240 | 283 | 378 | --- | 225 | 378 | 1210 | 2730 | 1410 | 848 | 591 |
| 30 | 353 | 250 | 300 | 384 | --- | 230 | 256 | 1280 | 2790 | 1620 | 803 | 583 |
| 31 | 353 | --- | 300 | 398 | --- | 215 | --- | 1320 | --- | 1450 | 758 | --- |
| TOTAL | 11154 | 8333 | 9278 | 10202 | 10938 | 10714 | 8620 | 18326 | 57364 | 46512 | 34539 | 19289 |
| MEAN | 360 | 278 | 299 | 329 | 391 | 346 | 287 | 591 | 1912 | 1500 | 1114 | 643 |
| AC-FT | 22120 | 16530 | 18400 | 20240 | 21700 | 21250 | 17100 | 36350 | 113800 | 92260 | 68510 | 38260 |
| MAX | 458 | 347 | 329 | 398 | 410 | 404 | 575 | 1320 | 2790 | 2870 | 1490 | 740 |
| MIN | 305 | 235 | 225 | 272 | 310 | 215 | 186 | 261 | 664 | 911 | 758 | 552 |

CAL YR 1981 TOTAL 145762 MEAN 399 MAX 1750 MIN 160 AC-FT 289100
WTR YR 1982 TOTAL 245269 MEAN 672 MAX 2870 MIN 186 AC-FT 486500

MAX DISCH 2960 CFS AT 01-JUL-1982 GH 3.39 FT. SHIFT 0.00 FT. MAX GH 3.39 FT. AT 1000 01-JUL-1982



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1983)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well. Datum of gage is 7,050.45 ft.

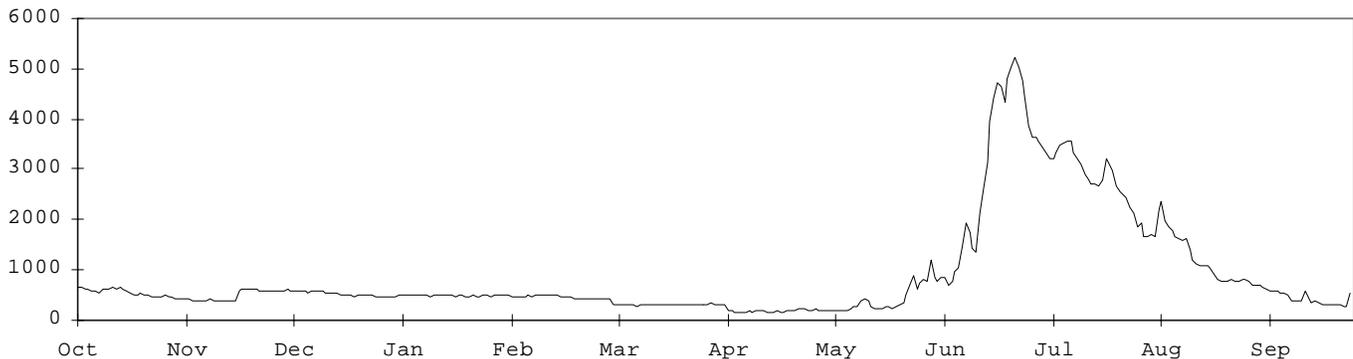
RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| 1 | 672 | 430 | 599 | 500 | 486 | 430 | 317 | 210 | 758 | 3640 | 1950 | 758 |
| 2 | 655 | 424 | 568 | 486 | 479 | 417 | 317 | 191 | 1190 | 3620 | 1670 | 706 |
| 3 | 623 | 404 | 568 | 486 | 479 | 305 | 323 | 191 | 857 | 3580 | 1650 | 680 |
| 4 | 607 | 391 | 568 | 493 | 479 | 317 | 317 | 191 | 785 | 3460 | 1720 | 680 |
| 5 | 583 | 404 | 568 | 493 | 479 | 311 | 200 | 191 | 848 | 3340 | 1680 | 672 |
| 6 | 568 | 398 | 560 | 508 | 479 | 305 | 178 | 200 | 866 | 3210 | 2200 | 615 |
| 7 | 560 | 398 | 568 | 508 | 486 | 300 | 173 | 200 | 680 | 3220 | 2370 | 599 |
| 8 | 615 | 410 | 568 | 508 | 479 | 300 | 173 | 191 | 758 | 3340 | 1970 | 575 |
| 9 | 631 | 398 | 568 | 500 | 486 | 294 | 173 | 205 | 960 | 3490 | 1860 | 568 |
| 10 | 623 | 398 | 568 | 479 | 486 | 288 | 168 | 235 | 1030 | 3520 | 1780 | 545 |
| 11 | 647 | 404 | 552 | 493 | 508 | 294 | 178 | 272 | 1460 | 3550 | 1670 | 530 |
| 12 | 631 | 391 | 545 | 493 | 486 | 294 | 173 | 266 | 1930 | 3550 | 1630 | 508 |
| 13 | 639 | 391 | 530 | 493 | 486 | 294 | 182 | 384 | 1760 | 3340 | 1600 | 391 |
| 14 | 607 | 391 | 530 | 493 | 486 | 294 | 182 | 410 | 1420 | 3210 | 1630 | 391 |
| 15 | 575 | 378 | 508 | 486 | 486 | 317 | 178 | 384 | 1360 | 3080 | 1380 | 398 |
| 16 | 530 | 591 | 522 | 486 | 472 | 311 | 164 | 256 | 2130 | 2910 | 1210 | 398 |
| 17 | 522 | 607 | 522 | 472 | 472 | 305 | 164 | 240 | 2620 | 2800 | 1110 | 599 |
| 18 | 508 | 615 | 522 | 486 | 479 | 305 | 164 | 235 | 3120 | 2720 | 1070 | 437 |
| 19 | 530 | 623 | 479 | 486 | 458 | 305 | 178 | 240 | 3960 | 2700 | 1070 | 365 |
| 20 | 515 | 615 | 493 | 479 | 437 | 305 | 173 | 266 | 4420 | 2690 | 1090 | 372 |
| 21 | 493 | 615 | 493 | 479 | 417 | 294 | 173 | 266 | 4740 | 2800 | 1030 | 365 |
| 22 | 479 | 599 | 500 | 486 | 424 | 311 | 178 | 250 | 4640 | 3210 | 930 | 323 |
| 23 | 479 | 599 | 508 | 479 | 430 | 311 | 178 | 261 | 4320 | 3140 | 803 | 311 |
| 24 | 472 | 575 | 508 | 472 | 430 | 311 | 186 | 294 | 4810 | 2980 | 776 | 317 |
| 25 | 472 | 583 | 472 | 486 | 437 | 317 | 230 | 353 | 5040 | 2690 | 785 | 317 |
| 26 | 486 | 583 | 479 | 486 | 444 | 317 | 240 | 515 | 5220 | 2560 | 785 | 311 |
| 27 | 479 | 583 | 472 | 479 | 437 | 317 | 225 | 689 | 5040 | 2490 | 803 | 305 |
| 28 | 458 | 583 | 472 | 486 | 437 | 329 | 210 | 875 | 4760 | 2420 | 776 | 288 |
| 29 | 430 | 583 | 472 | 486 | --- | 323 | 210 | 623 | 4440 | 2230 | 767 | 288 |
| 30 | 444 | 615 | 472 | 486 | --- | 329 | 220 | 723 | 3880 | 2130 | 795 | 538 |
| 31 | 437 | --- | 472 | 486 | --- | 335 | --- | 794 | --- | 1870 | 812 | --- |
| TOTAL | 16970 | 14979 | 16226 | 15139 | 13044 | 9785 | 6125 | 10601 | 79802 | 93490 | 41372 | 14150 |
| MEAN | 547 | 499 | 523 | 488 | 466 | 316 | 204 | 342 | 2660 | 3016 | 1335 | 472 |
| AC-FT | 33660 | 29710 | 32180 | 30030 | 25870 | 19410 | 12150 | 21030 | 158300 | 185400 | 82060 | 28070 |
| MAX | 672 | 623 | 599 | 508 | 508 | 430 | 323 | 875 | 5220 | 3640 | 2370 | 758 |
| MIN | 430 | 378 | 472 | 472 | 417 | 288 | 164 | 191 | 680 | 1870 | 767 | 288 |

CAL YR 1982 TOTAL 264679 MEAN 725 MAX 2870 MIN 186 AC-FT 525000
WTR YR 1983 TOTAL 331683 MEAN 909 MAX 5220 MIN 164 AC-FT 657900

MAX DISCH 6260 CFS AT 1830 01-AUG-1983 GH 5.27 FT. SHIFT +0.06 FT. MAX GH 5.27 FT. AT 1830 01-AUG-1983



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1984)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well. Datum of gage is 7,050.45 ft.

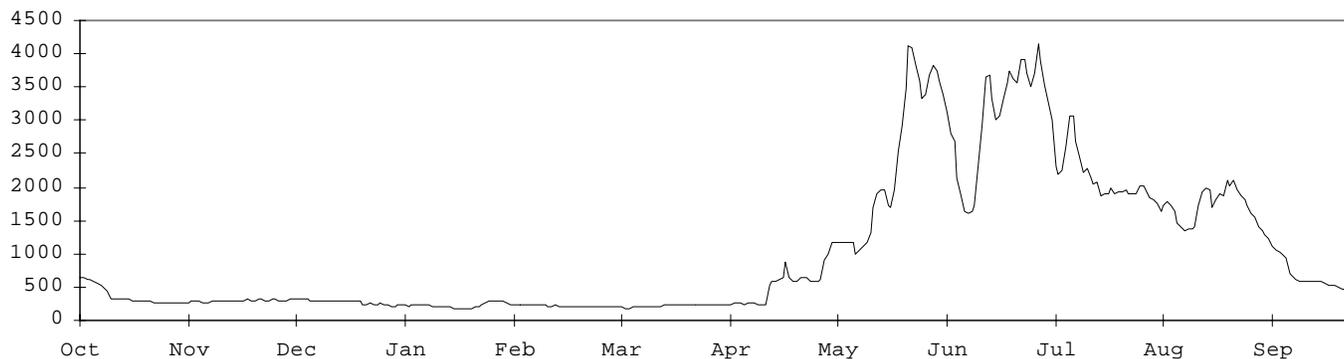
RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| 1 | 639 | 272 | 311 | 235 | 230 | 200 | 235 | 893 | 3840 | 4160 | 1950 | 1560 |
| 2 | 631 | 283 | 323 | 220 | 235 | 200 | 230 | 1000 | 3730 | 3890 | 1840 | 1410 |
| 3 | 615 | 283 | 317 | 210 | 230 | 205 | 225 | 1180 | 3580 | 3540 | 1800 | 1330 |
| 4 | 607 | 278 | 323 | 230 | 235 | 195 | 235 | 1180 | 3400 | 3260 | 1760 | 1280 |
| 5 | 591 | 272 | 317 | 230 | 230 | 180 | 256 | 1180 | 3140 | 3010 | 1650 | 1220 |
| 6 | 560 | 272 | 288 | 225 | 230 | 185 | 272 | 1180 | 2800 | 2310 | 1720 | 1110 |
| 7 | 522 | 272 | 300 | 225 | 225 | 190 | 250 | 1160 | 2680 | 2180 | 1790 | 1050 |
| 8 | 479 | 283 | 300 | 225 | 230 | 195 | 245 | 1160 | 2140 | 2260 | 1710 | 1020 |
| 9 | 444 | 288 | 305 | 225 | 220 | 200 | 256 | 1160 | 1910 | 2590 | 1630 | 990 |
| 10 | 335 | 278 | 300 | 215 | 220 | 205 | 250 | 1000 | 1650 | 3080 | 1470 | 940 |
| 11 | 311 | 288 | 300 | 215 | 220 | 200 | 256 | 1060 | 1620 | 3080 | 1410 | 689 |
| 12 | 317 | 294 | 294 | 205 | 200 | 196 | 240 | 1110 | 1630 | 2700 | 1350 | 647 |
| 13 | 311 | 300 | 283 | 196 | 210 | 196 | 235 | 1160 | 1720 | 2440 | 1370 | 623 |
| 14 | 311 | 305 | 278 | 195 | 220 | 200 | 225 | 1310 | 2300 | 2220 | 1360 | 599 |
| 15 | 323 | 288 | 288 | 190 | 215 | 210 | 524 | 1700 | 2930 | 2270 | 1410 | 583 |
| 16 | 305 | 294 | 288 | 180 | 205 | 235 | 575 | 1900 | 3640 | 2140 | 1720 | 583 |
| 17 | 278 | 300 | 283 | 170 | 215 | 245 | 591 | 1950 | 3670 | 2060 | 1940 | 599 |
| 18 | 278 | 311 | 288 | 180 | 205 | 240 | 623 | 1960 | 3320 | 2080 | 1990 | 591 |
| 19 | 278 | 305 | 288 | 180 | 200 | 225 | 639 | 1710 | 3010 | 1870 | 1970 | 575 |
| 20 | 278 | 294 | 278 | 185 | 190 | 225 | 875 | 1700 | 3080 | 1890 | 1690 | 575 |
| 21 | 278 | 329 | 245 | 185 | 200 | 230 | 655 | 1970 | 3320 | 1900 | 1800 | 560 |
| 22 | 272 | 323 | 245 | 195 | 210 | 245 | 591 | 2550 | 3560 | 2000 | 1910 | 538 |
| 23 | 266 | 300 | 256 | 210 | 205 | 240 | 599 | 2930 | 3730 | 1910 | 1870 | 538 |
| 24 | 272 | 288 | 225 | 230 | 200 | 240 | 631 | 3490 | 3610 | 1930 | 2090 | 522 |
| 25 | 272 | 311 | 240 | 260 | 205 | 245 | 639 | 4120 | 3560 | 1940 | 2020 | 486 |
| 26 | 272 | 317 | 250 | 288 | 205 | 235 | 639 | 4080 | 3920 | 1970 | 2110 | 479 |
| 27 | 266 | 294 | 245 | 288 | 196 | 245 | 591 | 3830 | 3920 | 1900 | 1970 | 479 |
| 28 | 266 | 300 | 225 | 288 | 196 | 230 | 583 | 3580 | 3720 | 1890 | 1880 | 472 |
| 29 | 266 | 294 | 205 | 288 | 205 | 235 | 599 | 3320 | 3500 | 1910 | 1800 | 486 |
| 30 | 266 | 311 | 210 | 288 | --- | 240 | 615 | 3400 | 3700 | 2010 | 1710 | 472 |
| 31 | 272 | --- | 235 | 261 | --- | 235 | --- | 3670 | --- | 2010 | 1600 | --- |
| TOTAL | 11381 | 8827 | 8533 | 6917 | 6187 | 6747 | 13379 | 63593 | 92330 | 74400 | 54290 | 23006 |
| MEAN | 367 | 294 | 275 | 223 | 213 | 218 | 446 | 2051 | 3078 | 2400 | 1751 | 767 |
| AC-FT | 22570 | 17510 | 16930 | 13720 | 12270 | 13380 | 26540 | 126100 | 183100 | 147600 | 107700 | 45630 |
| MAX | 639 | 329 | 323 | 288 | 235 | 245 | 875 | 4120 | 3920 | 4160 | 2110 | 1560 |
| MIN | 266 | 272 | 205 | 170 | 190 | 180 | 225 | 893 | 1620 | 1870 | 1350 | 472 |

CAL YR 1983 TOTAL 312249 MEAN 855 MAX 5220 MIN 164 AC-FT 619300
WTR YR 1984 TOTAL 369590 MEAN 1010 MAX 4160 MIN 170 AC-FT 733100

MAX DISCH 4230 CFS AT 1200 01-JUL-1984 GH 4.43 FT. SHIFT -0.19 FT. MAX GH 4.43 FT. AT 1200 01-JUL-1984



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1985)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well. Datum of gage is 7,050.45 ft.

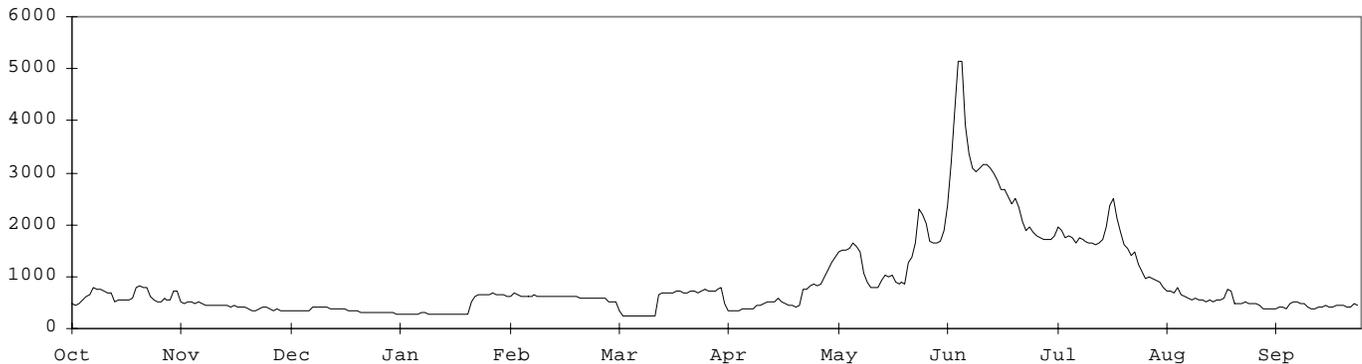
RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| 1 | 465 | 508 | 341 | 288 | 631 | 568 | 732 | 866 | 1680 | 1790 | 970 | 465 |
| 2 | 458 | 465 | 341 | 283 | 631 | 530 | 749 | 980 | 1630 | 1750 | 990 | 458 |
| 3 | 479 | 515 | 329 | 283 | 672 | 530 | 776 | 1140 | 1640 | 1710 | 950 | 391 |
| 4 | 560 | 515 | 353 | 278 | 664 | 515 | 497 | 1260 | 1680 | 1700 | 911 | 391 |
| 5 | 615 | 493 | 353 | 283 | 623 | 335 | 347 | 1380 | 1890 | 1720 | 875 | 391 |
| 6 | 655 | 515 | 347 | 283 | 623 | 240 | 329 | 1490 | 2380 | 1800 | 794 | 391 |
| 7 | 776 | 479 | 347 | 288 | 631 | 245 | 341 | 1500 | 3190 | 1940 | 732 | 391 |
| 8 | 758 | 430 | 398 | 305 | 631 | 245 | 359 | 1500 | 4180 | 1880 | 714 | 398 |
| 9 | 749 | 437 | 417 | 300 | 639 | 230 | 372 | 1560 | 5130 | 1760 | 681 | 398 |
| 10 | 706 | 437 | 410 | 278 | 631 | 240 | 372 | 1660 | 5130 | 1780 | 803 | 391 |
| 11 | 689 | 451 | 410 | 266 | 615 | 240 | 378 | 1590 | 3920 | 1760 | 647 | 479 |
| 12 | 672 | 458 | 410 | 278 | 623 | 250 | 391 | 1470 | 3360 | 1640 | 607 | 500 |
| 13 | 522 | 458 | 378 | 272 | 623 | 235 | 430 | 1060 | 3080 | 1760 | 583 | 500 |
| 14 | 545 | 458 | 365 | 266 | 623 | 235 | 430 | 893 | 3030 | 1720 | 560 | 479 |
| 15 | 560 | 398 | 391 | 272 | 623 | 235 | 472 | 794 | 3100 | 1690 | 599 | 465 |
| 16 | 545 | 430 | 378 | 266 | 623 | 662 | 508 | 776 | 3170 | 1650 | 560 | 404 |
| 17 | 552 | 417 | 372 | 272 | 623 | 680 | 508 | 794 | 3140 | 1630 | 538 | 391 |
| 18 | 568 | 424 | 359 | 278 | 623 | 689 | 530 | 940 | 3070 | 1600 | 530 | 384 |
| 19 | 794 | 404 | 353 | 288 | 607 | 698 | 591 | 1030 | 2980 | 1640 | 545 | 398 |
| 20 | 812 | 391 | 353 | 278 | 607 | 698 | 515 | 1010 | 2830 | 1700 | 530 | 417 |
| 21 | 803 | 359 | 347 | 283 | 607 | 706 | 479 | 1020 | 2660 | 1970 | 538 | 430 |
| 22 | 794 | 359 | 323 | 509 | 599 | 706 | 458 | 902 | 2660 | 2380 | 560 | 398 |
| 23 | 615 | 391 | 317 | 631 | 575 | 698 | 444 | 866 | 2550 | 2520 | 568 | 424 |
| 24 | 538 | 404 | 317 | 639 | 568 | 698 | 410 | 902 | 2410 | 2140 | 749 | 430 |
| 25 | 515 | 410 | 311 | 647 | 568 | 706 | 437 | 848 | 2490 | 1840 | 723 | 437 |
| 26 | 515 | 384 | 294 | 655 | 568 | 706 | 740 | 1270 | 2330 | 1620 | 493 | 437 |
| 27 | 568 | 353 | 311 | 664 | 568 | 698 | 749 | 1360 | 2050 | 1530 | 479 | 417 |
| 28 | 560 | 365 | 317 | 672 | 568 | 706 | 821 | 1650 | 1890 | 1420 | 493 | 404 |
| 29 | 560 | 359 | 317 | 639 | --- | 740 | 857 | 2300 | 1940 | 1490 | 508 | 465 |
| 30 | 714 | 341 | 300 | 655 | --- | 714 | 812 | 2200 | 1860 | 1220 | 472 | 458 |
| 31 | 714 | --- | 311 | 647 | --- | 723 | --- | 2010 | --- | 1090 | 472 | --- |
| TOTAL | 19376 | 12808 | 10870 | 12246 | 17187 | 16101 | 15834 | 39021 | 83050 | 53840 | 20174 | 12782 |
| MEAN | 625 | 427 | 351 | 395 | 614 | 519 | 528 | 1259 | 2768 | 1737 | 651 | 426 |
| AC-FT | 38430 | 25400 | 21560 | 24290 | 34090 | 31940 | 31410 | 77400 | 164700 | 106800 | 40020 | 25350 |
| MAX | 812 | 515 | 417 | 672 | 672 | 740 | 857 | 2300 | 5130 | 2520 | 990 | 500 |
| MIN | 458 | 341 | 294 | 266 | 568 | 230 | 329 | 776 | 1630 | 1090 | 472 | 384 |

CAL YR 1984 TOTAL 384003 MEAN 1049 MAX 4160 MIN 170 AC-FT 761700
WTR YR 1985 TOTAL 313289 MEAN 858 MAX 5130 MIN 230 AC-FT 621400

MAX DISCH 5440 CFS AT 0700 10-JUN-1985 GH 5.12 FT. SHIFT -0.20 FT. MAX GH 5.12 FT. AT 0700 10-JUN-1985



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1986)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well. Datum of gage is 7,050.45 ft.

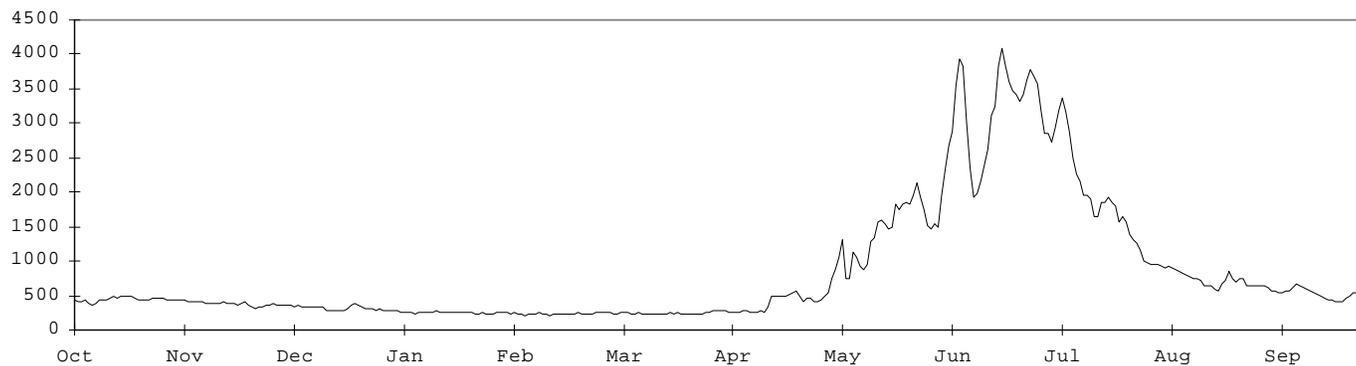
RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| 1 | 430 | 437 | 359 | 256 | 240 | 245 | 288 | 485 | 1540 | 3180 | 951 | 647 |
| 2 | 424 | 410 | 341 | 266 | 245 | 240 | 288 | 545 | 1500 | 2860 | 960 | 639 |
| 3 | 410 | 417 | 353 | 266 | 240 | 240 | 294 | 758 | 1950 | 2850 | 950 | 623 |
| 4 | 444 | 417 | 347 | 266 | 220 | 245 | 266 | 875 | 2340 | 2730 | 938 | 575 |
| 5 | 391 | 422 | 335 | 240 | 215 | 250 | 256 | 1060 | 2680 | 2940 | 893 | 568 |
| 6 | 372 | 404 | 335 | 256 | 225 | 245 | 256 | 1310 | 2870 | 3200 | 930 | 538 |
| 7 | 384 | 378 | 341 | 261 | 220 | 240 | 266 | 758 | 3560 | 3380 | 893 | 530 |
| 8 | 437 | 378 | 335 | 250 | 240 | 240 | 278 | 758 | 3940 | 3160 | 884 | 553 |
| 9 | 444 | 384 | 341 | 261 | 245 | 245 | 272 | 1120 | 3830 | 2890 | 839 | 560 |
| 10 | 444 | 384 | 323 | 266 | 240 | 240 | 266 | 1050 | 3030 | 2490 | 812 | 607 |
| 11 | 465 | 398 | 283 | 272 | 225 | 235 | 266 | 930 | 2330 | 2260 | 803 | 672 |
| 12 | 486 | 410 | 283 | 261 | 216 | 230 | 266 | 866 | 1930 | 2170 | 776 | 639 |
| 13 | 472 | 398 | 288 | 250 | 240 | 225 | 272 | 960 | 1970 | 1960 | 740 | 615 |
| 14 | 500 | 378 | 283 | 250 | 240 | 225 | 256 | 1280 | 2170 | 1960 | 749 | 599 |
| 15 | 486 | 398 | 272 | 250 | 235 | 230 | 331 | 1350 | 2380 | 1910 | 715 | 568 |
| 16 | 500 | 365 | 288 | 256 | 240 | 225 | 493 | 1570 | 2630 | 1640 | 655 | 545 |
| 17 | 500 | 391 | 305 | 261 | 235 | 245 | 500 | 1590 | 3110 | 1650 | 639 | 508 |
| 18 | 458 | 404 | 365 | 261 | 235 | 245 | 486 | 1540 | 3240 | 1850 | 631 | 493 |
| 19 | 444 | 359 | 384 | 256 | 235 | 240 | 486 | 1470 | 3830 | 1840 | 583 | 472 |
| 20 | 437 | 335 | 365 | 250 | 245 | 245 | 486 | 1480 | 4080 | 1940 | 568 | 445 |
| 21 | 430 | 317 | 347 | 250 | 235 | 240 | 515 | 1820 | 3840 | 1840 | 664 | 430 |
| 22 | 444 | 341 | 317 | 230 | 225 | 240 | 552 | 1740 | 3610 | 1790 | 732 | 424 |
| 23 | 472 | 347 | 305 | 240 | 235 | 240 | 575 | 1820 | 3480 | 1580 | 839 | 410 |
| 24 | 472 | 365 | 305 | 256 | 235 | 240 | 483 | 1840 | 3430 | 1650 | 749 | 424 |
| 25 | 451 | 372 | 288 | 240 | 245 | 240 | 424 | 1820 | 3330 | 1570 | 704 | 458 |
| 26 | 451 | 378 | 300 | 230 | 250 | 235 | 472 | 1960 | 3430 | 1400 | 740 | 479 |
| 27 | 444 | 359 | 294 | 240 | 261 | 235 | 451 | 2140 | 3620 | 1320 | 740 | 538 |
| 28 | 437 | 353 | 283 | 245 | 245 | 250 | 410 | 1930 | 3770 | 1270 | 639 | 550 |
| 29 | 437 | 372 | 272 | 250 | --- | 261 | 410 | 1740 | 3670 | 1160 | 647 | 552 |
| 30 | 444 | 365 | 272 | 245 | --- | 278 | 437 | 1530 | 3580 | 1010 | 655 | 500 |
| 31 | 444 | --- | 278 | 245 | --- | 283 | --- | 1470 | --- | 970 | 639 | --- |
| TOTAL | 13854 | 11436 | 9787 | 7826 | 6607 | 7512 | 11301 | 41565 | 90670 | 64420 | 23657 | 16161 |
| MEAN | 447 | 381 | 316 | 252 | 236 | 242 | 377 | 1341 | 3022 | 2078 | 763 | 539 |
| AC-FT | 27480 | 22680 | 19410 | 15520 | 13100 | 14900 | 22420 | 82440 | 179800 | 127800 | 46920 | 32060 |
| MAX | 500 | 437 | 384 | 272 | 261 | 283 | 575 | 2140 | 4080 | 3380 | 960 | 672 |
| MIN | 372 | 317 | 272 | 230 | 215 | 225 | 256 | 485 | 1500 | 970 | 568 | 410 |

CAL YR 1985 TOTAL 305312 MEAN 836 MAX 5130 MIN 230 AC-FT 605600
WTR YR 1986 TOTAL 304796 MEAN 835 MAX 4080 MIN 215 AC-FT 604600

MAX DISCH 4265 CFS AT 0730 20-JUN-1986 GH 4.30 FT. SHIFT -0.05 FT. MAX GH 4.30 FT. AT 0730 20-JUN-1986



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1987)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well with satellite telemetry. Datum of gage is 7,050.45 ft.

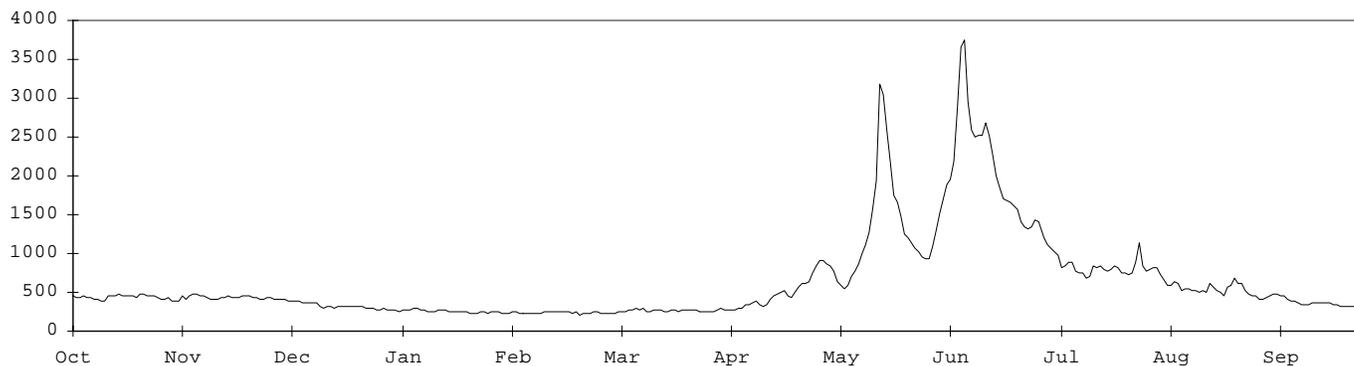
RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| 1 | 444 | 451 | 384 | 261 | 235 | 220 | 278 | 899 | 1090 | 1420 | 794 | 417 |
| 2 | 437 | 410 | 378 | 278 | 240 | 230 | 294 | 866 | 1300 | 1200 | 812 | 417 |
| 3 | 430 | 451 | 384 | 272 | 240 | 237 | 278 | 839 | 1520 | 1120 | 812 | 430 |
| 4 | 444 | 479 | 378 | 283 | 237 | 240 | 283 | 767 | 1710 | 1070 | 732 | 444 |
| 5 | 437 | 479 | 365 | 288 | 235 | 245 | 274 | 639 | 1890 | 1030 | 655 | 472 |
| 6 | 430 | 444 | 365 | 288 | 230 | 256 | 278 | 583 | 1960 | 980 | 599 | 472 |
| 7 | 410 | 458 | 372 | 278 | 230 | 266 | 288 | 538 | 2190 | 809 | 599 | 458 |
| 8 | 398 | 430 | 359 | 276 | 230 | 283 | 288 | 591 | 2880 | 839 | 647 | 451 |
| 9 | 378 | 404 | 353 | 256 | 235 | 288 | 341 | 715 | 3650 | 884 | 607 | 410 |
| 10 | 389 | 410 | 317 | 245 | 235 | 278 | 341 | 779 | 3760 | 884 | 530 | 384 |
| 11 | 458 | 410 | 300 | 250 | 240 | 294 | 359 | 875 | 2960 | 776 | 553 | 378 |
| 12 | 458 | 437 | 311 | 278 | 245 | 256 | 378 | 1000 | 2600 | 752 | 545 | 359 |
| 13 | 444 | 424 | 311 | 272 | 250 | 256 | 335 | 1110 | 2490 | 749 | 530 | 347 |
| 14 | 472 | 444 | 306 | 265 | 252 | 266 | 317 | 1280 | 2530 | 689 | 522 | 341 |
| 15 | 465 | 437 | 311 | 261 | 240 | 263 | 347 | 1570 | 2530 | 698 | 500 | 351 |
| 16 | 451 | 437 | 311 | 255 | 245 | 278 | 410 | 1930 | 2680 | 830 | 522 | 353 |
| 17 | 444 | 437 | 317 | 245 | 245 | 261 | 458 | 3180 | 2530 | 815 | 508 | 353 |
| 18 | 444 | 444 | 311 | 240 | 245 | 256 | 486 | 3050 | 2270 | 848 | 623 | 359 |
| 19 | 437 | 451 | 311 | 240 | 235 | 272 | 500 | 2580 | 2010 | 803 | 560 | 359 |
| 20 | 472 | 444 | 311 | 239 | 240 | 278 | 522 | 2190 | 1840 | 776 | 522 | 359 |
| 21 | 479 | 424 | 311 | 225 | 215 | 261 | 451 | 1750 | 1710 | 785 | 508 | 359 |
| 22 | 465 | 437 | 311 | 220 | 220 | 269 | 430 | 1670 | 1690 | 839 | 451 | 335 |
| 23 | 462 | 417 | 294 | 230 | 225 | 266 | 508 | 1480 | 1650 | 821 | 568 | 335 |
| 24 | 444 | 398 | 305 | 245 | 225 | 266 | 568 | 1260 | 1610 | 752 | 599 | 323 |
| 25 | 430 | 424 | 294 | 245 | 240 | 266 | 615 | 1200 | 1570 | 740 | 681 | 311 |
| 26 | 417 | 424 | 278 | 235 | 250 | 266 | 623 | 1140 | 1400 | 732 | 615 | 311 |
| 27 | 410 | 398 | 278 | 240 | 225 | 261 | 647 | 1060 | 1340 | 758 | 607 | 311 |
| 28 | 424 | 398 | 288 | 240 | 220 | 250 | 740 | 1020 | 1320 | 893 | 515 | 317 |
| 29 | 391 | 404 | 283 | 240 | --- | 252 | 830 | 950 | 1350 | 1130 | 486 | 311 |
| 30 | 391 | 404 | 283 | 224 | --- | 250 | 920 | 937 | 1440 | 830 | 465 | 311 |
| 31 | 391 | --- | 278 | 235 | --- | 256 | --- | 933 | --- | 776 | 444 | --- |
| TOTAL | 13446 | 12909 | 9958 | 7849 | 6604 | 8086 | 13387 | 39381 | 61470 | 27028 | 18111 | 11138 |
| MEAN | 434 | 430 | 321 | 253 | 236 | 261 | 446 | 1270 | 2049 | 872 | 584 | 371 |
| AC-FT | 26670 | 25600 | 19750 | 15570 | 13100 | 16040 | 26550 | 78110 | 121900 | 53610 | 35920 | 22090 |
| MAX | 479 | 479 | 384 | 288 | 252 | 294 | 920 | 3180 | 3760 | 1420 | 812 | 472 |
| MIN | 378 | 398 | 278 | 220 | 215 | 220 | 274 | 538 | 1090 | 689 | 444 | 311 |

CAL YR 1986 TOTAL 306032 MEAN 838 MAX 4080 MIN 215 AC-FT 607000
WTR YR 1987 TOTAL 229367 MEAN 628 MAX 3760 MIN 215 AC-FT 454900

MAX DISCH 4100 CFS AT 0400 10-JUN-1987 GH 4.01 FT. SHIFT 0.14 FT. MAX GH 4.01 FT. AT 0400 10-JUN-1987



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1988)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well with satellite telemetry. Datum of gage is 7,050.45 ft.

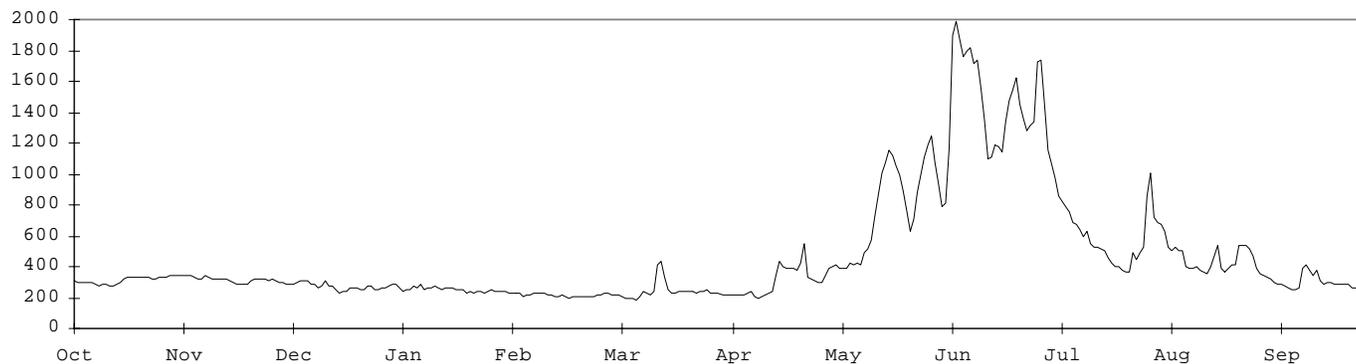
RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 305 | 347 | 288 | 266 | 230 | 215 | 215 | 384 | 933 | 1450 | 723 | 347 |
| 2 | 300 | 347 | 288 | 245 | 225 | 220 | 222 | 398 | 794 | 1150 | 690 | 335 |
| 3 | 300 | 341 | 300 | 250 | 230 | 214 | 215 | 408 | 812 | 1060 | 672 | 318 |
| 4 | 300 | 335 | 305 | 256 | 225 | 205 | 215 | 391 | 1170 | 970 | 631 | 300 |
| 5 | 300 | 323 | 305 | 270 | 210 | 196 | 220 | 391 | 1900 | 858 | 530 | 283 |
| 6 | 294 | 323 | 305 | 266 | 220 | 191 | 215 | 384 | 1990 | 821 | 500 | 283 |
| 7 | 288 | 341 | 290 | 283 | 220 | 199 | 215 | 421 | 1880 | 785 | 530 | 272 |
| 8 | 278 | 335 | 288 | 256 | 225 | 186 | 230 | 417 | 1760 | 759 | 508 | 266 |
| 9 | 283 | 320 | 266 | 266 | 225 | 205 | 235 | 424 | 1800 | 689 | 500 | 256 |
| 10 | 283 | 317 | 278 | 266 | 225 | 235 | 210 | 410 | 1820 | 672 | 398 | 256 |
| 11 | 279 | 323 | 305 | 272 | 225 | 225 | 199 | 493 | 1710 | 640 | 384 | 261 |
| 12 | 278 | 323 | 272 | 266 | 220 | 214 | 205 | 514 | 1740 | 599 | 384 | 391 |
| 13 | 283 | 323 | 272 | 256 | 212 | 237 | 215 | 573 | 1550 | 623 | 398 | 410 |
| 14 | 300 | 305 | 252 | 259 | 210 | 417 | 230 | 729 | 1350 | 545 | 373 | 378 |
| 15 | 317 | 294 | 230 | 261 | 205 | 430 | 245 | 872 | 1100 | 530 | 365 | 347 |
| 16 | 329 | 288 | 235 | 261 | 215 | 332 | 341 | 1010 | 1110 | 522 | 359 | 378 |
| 17 | 329 | 288 | 235 | 256 | 205 | 250 | 430 | 1080 | 1190 | 515 | 398 | 311 |
| 18 | 335 | 281 | 259 | 250 | 200 | 224 | 398 | 1150 | 1180 | 500 | 472 | 288 |
| 19 | 329 | 283 | 266 | 256 | 205 | 230 | 384 | 1120 | 1140 | 455 | 538 | 294 |
| 20 | 335 | 305 | 264 | 231 | 205 | 240 | 384 | 1050 | 1340 | 424 | 391 | 300 |
| 21 | 329 | 323 | 256 | 240 | 210 | 245 | 389 | 992 | 1470 | 404 | 365 | 291 |
| 22 | 329 | 323 | 253 | 230 | 210 | 245 | 378 | 894 | 1540 | 398 | 391 | 283 |
| 23 | 323 | 317 | 272 | 245 | 205 | 245 | 424 | 767 | 1620 | 372 | 417 | 283 |
| 24 | 317 | 317 | 270 | 240 | 210 | 240 | 545 | 623 | 1450 | 365 | 410 | 281 |
| 25 | 329 | 305 | 256 | 225 | 210 | 230 | 333 | 713 | 1360 | 365 | 538 | 288 |
| 26 | 329 | 315 | 253 | 235 | 215 | 235 | 323 | 884 | 1280 | 486 | 542 | 267 |
| 27 | 337 | 311 | 261 | 250 | 215 | 240 | 311 | 1000 | 1310 | 451 | 538 | 261 |
| 28 | 347 | 294 | 264 | 245 | 224 | 254 | 300 | 1110 | 1340 | 493 | 515 | 256 |
| 29 | 347 | 294 | 272 | 240 | 225 | 230 | 298 | 1190 | 1730 | 530 | 472 | 258 |
| 30 | 347 | 288 | 283 | 240 | --- | 230 | 341 | 1250 | 1740 | 852 | 391 | 266 |
| 31 | 347 | --- | 283 | 240 | --- | 225 | --- | 1070 | --- | 1010 | 359 | --- |
| TOTAL | 9726 | 9429 | 8426 | 7822 | 6261 | 7484 | 8865 | 23112 | 43109 | 20293 | 14682 | 9008 |
| MEAN | 314 | 314 | 272 | 252 | 216 | 241 | 296 | 746 | 1437 | 655 | 474 | 300 |
| AC-FT | 19290 | 18700 | 16710 | 15510 | 12420 | 14840 | 17580 | 45840 | 85510 | 40250 | 29120 | 17870 |
| MAX | 347 | 347 | 305 | 283 | 230 | 430 | 545 | 1250 | 1990 | 1450 | 723 | 410 |
| MIN | 278 | 281 | 230 | 225 | 200 | 186 | 199 | 384 | 794 | 365 | 359 | 256 |

CAL YR 1987 TOTAL 220635 MEAN 604 MAX 3760 MIN 215 AC-FT 437600
WTR YR 1988 TOTAL 168217 MEAN 460 MAX 1990 MIN 186 AC-FT 333700

MAX DISCH 2578 CFS AT 0030 05-JUN-1988 GH 2.92 FT. SHIFT 0.20 FT. MAX GH 2.92 FT. AT 0030 05-JUN-1988



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1989)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well with satellite telemetry. Datum of gage is 7,050.45 ft.

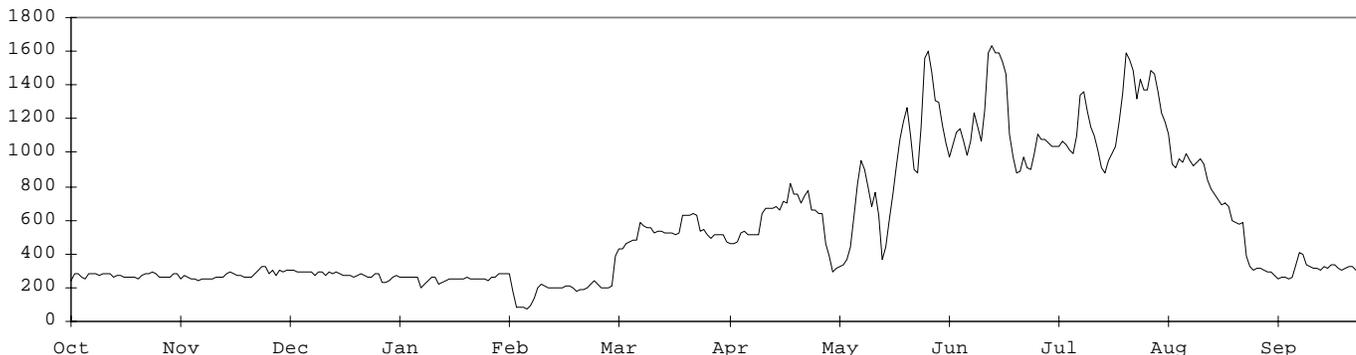
RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 245 | 256 | 300 | 268 | 278 | 196 | 508 | 639 | 1480 | 1110 | 1370 | 314 |
| 2 | 278 | 274 | 299 | 261 | 278 | 200 | 508 | 458 | 1310 | 1080 | 1490 | 311 |
| 3 | 278 | 261 | 300 | 261 | 180 | 205 | 508 | 384 | 1300 | 1080 | 1470 | 300 |
| 4 | 261 | 251 | 291 | 261 | 80 | 384 | 472 | 294 | 1160 | 1060 | 1360 | 294 |
| 5 | 250 | 250 | 294 | 261 | 80 | 430 | 458 | 311 | 1060 | 1040 | 1230 | 288 |
| 6 | 283 | 240 | 295 | 266 | 80 | 430 | 465 | 323 | 970 | 1040 | 1180 | 272 |
| 7 | 285 | 250 | 294 | 257 | 70 | 458 | 472 | 335 | 1050 | 1040 | 1110 | 256 |
| 8 | 283 | 250 | 288 | 196 | 90 | 472 | 522 | 365 | 1120 | 1070 | 930 | 261 |
| 9 | 272 | 255 | 277 | 215 | 140 | 486 | 538 | 444 | 1140 | 1050 | 911 | 261 |
| 10 | 278 | 256 | 294 | 245 | 200 | 486 | 515 | 631 | 1070 | 1010 | 960 | 253 |
| 11 | 278 | 259 | 292 | 261 | 220 | 583 | 508 | 821 | 980 | 990 | 940 | 266 |
| 12 | 278 | 261 | 272 | 257 | 210 | 568 | 508 | 950 | 1070 | 1100 | 990 | 335 |
| 13 | 266 | 261 | 288 | 220 | 197 | 552 | 508 | 902 | 1230 | 1340 | 950 | 404 |
| 14 | 274 | 278 | 278 | 230 | 197 | 552 | 639 | 794 | 1150 | 1360 | 920 | 398 |
| 15 | 272 | 294 | 297 | 240 | 197 | 522 | 672 | 680 | 1070 | 1250 | 940 | 335 |
| 16 | 266 | 283 | 283 | 250 | 199 | 530 | 672 | 767 | 1260 | 1150 | 960 | 329 |
| 17 | 266 | 272 | 272 | 249 | 200 | 538 | 672 | 623 | 1590 | 1100 | 930 | 311 |
| 18 | 263 | 272 | 272 | 256 | 205 | 522 | 680 | 365 | 1630 | 1010 | 839 | 311 |
| 19 | 266 | 261 | 272 | 256 | 205 | 522 | 664 | 444 | 1590 | 911 | 785 | 300 |
| 20 | 250 | 261 | 261 | 250 | 196 | 522 | 714 | 607 | 1590 | 875 | 749 | 329 |
| 21 | 272 | 261 | 271 | 258 | 182 | 508 | 706 | 758 | 1540 | 950 | 723 | 317 |
| 22 | 283 | 283 | 278 | 250 | 186 | 522 | 821 | 920 | 1470 | 990 | 689 | 335 |
| 23 | 278 | 299 | 272 | 250 | 191 | 631 | 758 | 1080 | 1110 | 1040 | 706 | 335 |
| 24 | 288 | 329 | 261 | 251 | 200 | 631 | 758 | 1180 | 970 | 1180 | 680 | 311 |
| 25 | 278 | 323 | 261 | 250 | 215 | 631 | 706 | 1270 | 875 | 1350 | 599 | 305 |
| 26 | 266 | 283 | 278 | 250 | 240 | 639 | 740 | 1100 | 893 | 1590 | 591 | 317 |
| 27 | 266 | 299 | 278 | 240 | 220 | 623 | 776 | 902 | 970 | 1550 | 575 | 323 |
| 28 | 261 | 277 | 230 | 262 | 196 | 530 | 655 | 884 | 911 | 1490 | 591 | 323 |
| 29 | 266 | 301 | 235 | 261 | --- | 545 | 655 | 1150 | 902 | 1320 | 391 | 308 |
| 30 | 278 | 294 | 245 | 286 | --- | 515 | 639 | 1560 | 990 | 1430 | 329 | 300 |
| 31 | 278 | --- | 266 | 280 | --- | 493 | --- | 1600 | --- | 1370 | 300 | --- |
| TOTAL | 8406 | 8194 | 8594 | 7798 | 5132 | 15426 | 18417 | 23541 | 35451 | 35926 | 27188 | 9302 |
| MEAN | 271 | 273 | 277 | 252 | 183 | 498 | 614 | 759 | 1182 | 1159 | 877 | 310 |
| AC-FT | 16670 | 16250 | 17050 | 15470 | 10180 | 30600 | 36530 | 46690 | 70320 | 71260 | 53930 | 18450 |
| MAX | 288 | 329 | 300 | 286 | 278 | 639 | 821 | 1600 | 1630 | 1590 | 1490 | 404 |
| MIN | 245 | 240 | 230 | 196 | 70 | 196 | 458 | 294 | 875 | 875 | 300 | 253 |

CAL YR 1988 TOTAL 165830 MEAN 453 MAX 1990 MIN 186 AC-FT 328900
WTR YR 1989 TOTAL 203375 MEAN 557 MAX 1630 MIN 70 AC-FT 403400

MAX DISCH 2578 CFS AT 1800 12-JUL-1989 GH 3.07 FT. SHIFT 0.05 FT. MAX GH 3.07 FT. AT 1800 12-JUL-1989



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO (1990)

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Water-stage recorder in 36 in. metal shelter and well with satellite telemetry. Datum of gage is 7,050.45 ft.

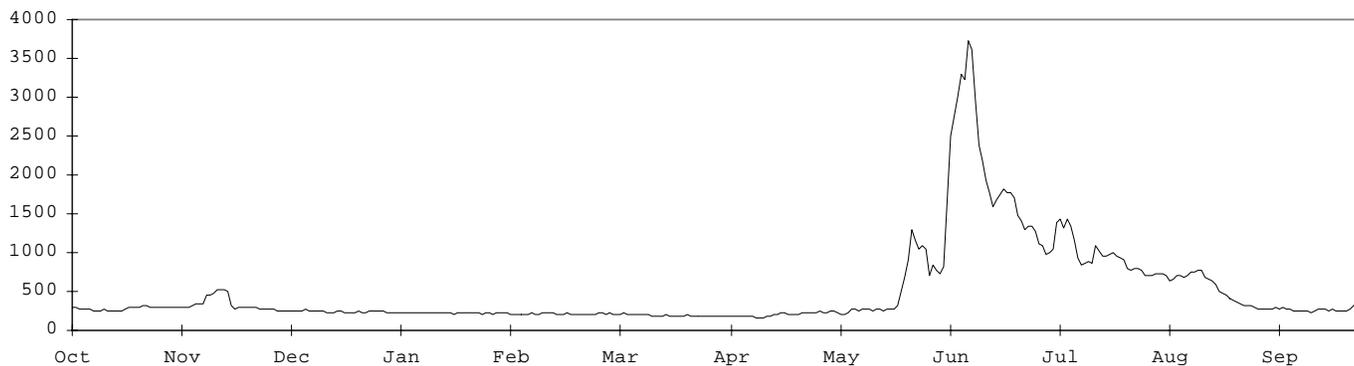
RATING TABLE.--ARKSALCO23 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| 1 | 294 | 300 | 256 | 225 | 225 | 215 | 182 | 225 | 830 | 1110 | 714 | 278 |
| 2 | 294 | 300 | 250 | 230 | 215 | 220 | 178 | 235 | 776 | 1080 | 714 | 272 |
| 3 | 278 | 305 | 256 | 230 | 200 | 215 | 178 | 245 | 723 | 980 | 723 | 266 |
| 4 | 278 | 319 | 250 | 218 | 215 | 215 | 183 | 240 | 812 | 990 | 723 | 266 |
| 5 | 283 | 341 | 255 | 225 | 215 | 215 | 182 | 220 | 1670 | 1040 | 723 | 266 |
| 6 | 278 | 335 | 266 | 220 | 215 | 217 | 186 | 210 | 2490 | 1380 | 714 | 288 |
| 7 | 261 | 335 | 261 | 230 | 215 | 210 | 182 | 215 | 2750 | 1430 | 639 | 278 |
| 8 | 256 | 451 | 250 | 235 | 220 | 205 | 182 | 225 | 3010 | 1320 | 664 | 288 |
| 9 | 261 | 465 | 250 | 235 | 210 | 205 | 186 | 272 | 3300 | 1430 | 698 | 272 |
| 10 | 266 | 479 | 250 | 235 | 210 | 205 | 186 | 266 | 3220 | 1340 | 698 | 266 |
| 11 | 261 | 530 | 240 | 230 | 220 | 205 | 178 | 240 | 3730 | 1150 | 689 | 261 |
| 12 | 261 | 522 | 220 | 230 | 220 | 205 | 170 | 282 | 3610 | 940 | 714 | 256 |
| 13 | 256 | 530 | 233 | 225 | 220 | 196 | 168 | 283 | 2980 | 839 | 740 | 250 |
| 14 | 256 | 508 | 235 | 230 | 220 | 186 | 170 | 278 | 2380 | 875 | 740 | 250 |
| 15 | 250 | 323 | 240 | 230 | 210 | 182 | 173 | 261 | 2190 | 893 | 767 | 240 |
| 16 | 283 | 284 | 240 | 220 | 200 | 186 | 178 | 272 | 1940 | 875 | 767 | 230 |
| 17 | 294 | 288 | 230 | 215 | 205 | 186 | 196 | 262 | 1780 | 1100 | 689 | 250 |
| 18 | 294 | 294 | 230 | 220 | 220 | 196 | 215 | 256 | 1600 | 1020 | 664 | 266 |
| 19 | 294 | 294 | 225 | 225 | 215 | 186 | 234 | 262 | 1690 | 950 | 647 | 283 |
| 20 | 300 | 300 | 225 | 235 | 215 | 186 | 235 | 278 | 1760 | 960 | 599 | 272 |
| 21 | 311 | 294 | 240 | 220 | 210 | 182 | 215 | 283 | 1820 | 980 | 508 | 261 |
| 22 | 311 | 288 | 225 | 225 | 200 | 186 | 210 | 329 | 1780 | 990 | 486 | 266 |
| 23 | 305 | 278 | 235 | 220 | 215 | 191 | 205 | 493 | 1770 | 960 | 444 | 261 |
| 24 | 300 | 281 | 243 | 225 | 215 | 196 | 206 | 672 | 1710 | 930 | 417 | 256 |
| 25 | 300 | 278 | 250 | 210 | 215 | 191 | 220 | 911 | 1480 | 911 | 378 | 256 |
| 26 | 294 | 283 | 245 | 225 | 215 | 191 | 225 | 1300 | 1420 | 785 | 365 | 256 |
| 27 | 299 | 283 | 240 | 225 | 220 | 191 | 225 | 1150 | 1300 | 767 | 341 | 266 |
| 28 | 300 | 256 | 240 | 205 | 225 | 191 | 220 | 1040 | 1350 | 794 | 329 | 317 |
| 29 | 300 | 250 | 235 | 220 | --- | 186 | 230 | 1100 | 1330 | 794 | 323 | 365 |
| 30 | 288 | 251 | 235 | 225 | --- | 182 | 240 | 1040 | 1270 | 776 | 311 | 350 |
| 31 | 288 | --- | 225 | 225 | --- | 186 | --- | 698 | --- | 698 | 294 | --- |
| TOTAL | 8794 | 10245 | 7475 | 6968 | 6000 | 6109 | 5938 | 14043 | 58471 | 31087 | 18222 | 8152 |
| MEAN | 284 | 342 | 241 | 225 | 214 | 197 | 198 | 453 | 1949 | 1003 | 588 | 272 |
| AC-FT | 17440 | 20320 | 14830 | 13820 | 11900 | 12120 | 11780 | 27850 | 116000 | 61660 | 36140 | 16170 |
| MAX | 311 | 530 | 266 | 235 | 225 | 220 | 240 | 1300 | 3730 | 1430 | 767 | 365 |
| MIN | 250 | 250 | 220 | 205 | 200 | 182 | 168 | 210 | 723 | 698 | 294 | 230 |

CAL YR 1989 TOTAL 204695 MEAN 561 MAX 1630 MIN 70 AC-FT 406000
WTR YR 1990 TOTAL 181504 MEAN 497 MAX 3730 MIN 168 AC-FT 360000

MAX DISCH 4148 CFS AT 0730 11-JUN-1990 GH 4.18 FT. SHIFT 0.00 FT. MAX GH 4.18 FT. AT 0730 11-JUN-1990



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING, NEAR REDWING, CO (1980)

LOCATION.--Lat 37°43'40", long 105°21'03", in sec. 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares Crossing, 500 ft. downstream from private bridge, 0.2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

DRAINAGE AREA.--73 mi².

GAGE.--Water stage recorder. Altitude of gage is 8,270 ft.

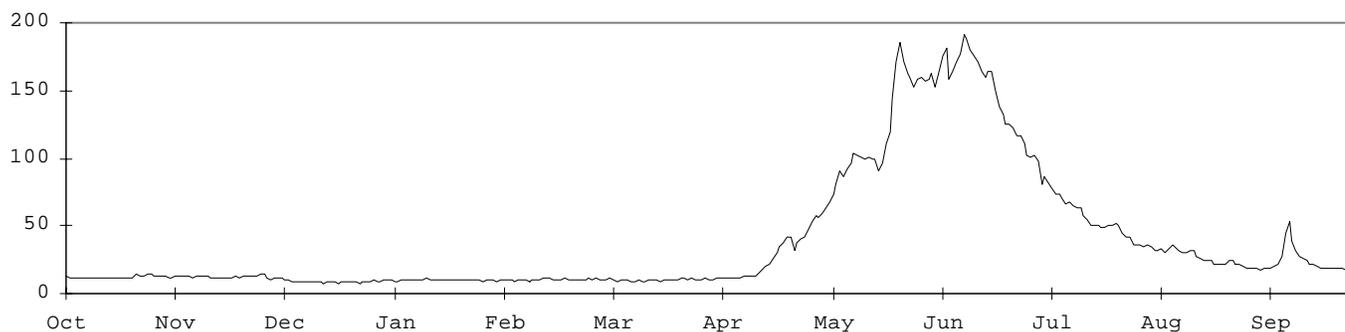
RATING TABLE.--HURREDCO14 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 1 | 13 | 13 | 11 | 9.5 | 9.5 | 9.8 | 10 | 56 | 158 | 102 | 35 | 18 |
| 2 | 12 | 13 | 10 | 9.2 | 9.8 | 9.8 | 12 | 59 | 162 | 98 | 36 | 18 |
| 3 | 12 | 13 | 10 | 9.2 | 9.5 | 11 | 11 | 63 | 153 | 95 | 35 | 17 |
| 4 | 12 | 13 | 9.2 | 9.5 | 9.5 | 10 | 11 | 68 | 164 | 86 | 32 | 18 |
| 5 | 12 | 13 | 9.2 | 9.5 | 9.2 | 9.2 | 12 | 74 | 175 | 82 | 32 | 18 |
| 6 | 12 | 12 | 9.2 | 9.5 | 9.8 | 10 | 12 | 81 | 182 | 77 | 33 | 18 |
| 7 | 12 | 13 | 9.2 | 9.5 | 9.8 | 10 | 11 | 90 | 158 | 74 | 30 | 20 |
| 8 | 12 | 13 | 8.6 | 9.8 | 9.5 | 10 | 11 | 87 | 164 | 74 | 33 | 22 |
| 9 | 12 | 13 | 8.9 | 9.8 | 9.0 | 9.2 | 12 | 92 | 171 | 71 | 36 | 27 |
| 10 | 12 | 13 | 8.6 | 9.8 | 9.5 | 8.3 | 13 | 97 | 177 | 66 | 33 | 45 |
| 11 | 12 | 12 | 8.0 | 11 | 10 | 10 | 13 | 104 | 192 | 68 | 32 | 53 |
| 12 | 12 | 12 | 8.0 | 10 | 10 | 9.2 | 13 | 102 | 188 | 65 | 30 | 39 |
| 13 | 12 | 11 | 7.0 | 10 | 11 | 8.0 | 13 | 101 | 180 | 63 | 30 | 32 |
| 14 | 12 | 12 | 8.0 | 10 | 11 | 9.5 | 14 | 99 | 175 | 64 | 32 | 28 |
| 15 | 12 | 12 | 8.3 | 10 | 11 | 10 | 17 | 101 | 171 | 58 | 31 | 26 |
| 16 | 12 | 12 | 8.0 | 10 | 10 | 9.5 | 20 | 99 | 164 | 54 | 28 | 24 |
| 17 | 12 | 12 | 7.8 | 10 | 10 | 8.0 | 22 | 99 | 160 | 51 | 26 | 22 |
| 18 | 12 | 13 | 8.6 | 10 | 10 | 10 | 26 | 90 | 164 | 51 | 24 | 22 |
| 19 | 12 | 12 | 8.0 | 10 | 11 | 10 | 30 | 97 | 164 | 51 | 24 | 20 |
| 20 | 12 | 13 | 8.3 | 10 | 10 | 10 | 34 | 111 | 150 | 49 | 24 | 19 |
| 21 | 14 | 13 | 8.0 | 10 | 9.8 | 10 | 38 | 120 | 138 | 49 | 22 | 18 |
| 22 | 13 | 13 | 8.0 | 10 | 9.8 | 10 | 42 | 144 | 133 | 51 | 22 | 18 |
| 23 | 13 | 13 | 7.8 | 10 | 9.8 | 11 | 42 | 171 | 125 | 50 | 21 | 18 |
| 24 | 14 | 13 | 8.0 | 10 | 10 | 11 | 32 | 186 | 125 | 52 | 22 | 18 |
| 25 | 14 | 14 | 8.3 | 9.8 | 10 | 10 | 37 | 171 | 123 | 51 | 24 | 18 |
| 26 | 13 | 14 | 8.3 | 10 | 11 | 11 | 40 | 162 | 117 | 45 | 24 | 18 |
| 27 | 13 | 12 | 9.8 | 9.0 | 10 | 10 | 42 | 160 | 116 | 42 | 22 | 17 |
| 28 | 13 | 10 | 9.2 | 9.5 | 11 | 10 | 48 | 153 | 111 | 42 | 22 | 18 |
| 29 | 13 | 12 | 8.6 | 9.5 | 10 | 10 | 53 | 158 | 102 | 36 | 20 | 17 |
| 30 | 12 | 11 | 10 | 9.5 | --- | 11 | 57 | 160 | 101 | 36 | 18 | 17 |
| 31 | 12 | --- | 9.8 | 9.0 | --- | 9.5 | --- | 157 | --- | 36 | 18 | --- |
| TOTAL | 385 | 375 | 269.7 | 302.6 | 290.5 | 305.0 | 748 | 3512 | 4563 | 1889 | 851 | 683 |
| MEAN | 12.4 | 12.5 | 8.70 | 9.76 | 10.0 | 9.84 | 24.9 | 113 | 152 | 60.9 | 27.5 | 22.8 |
| AC-FT | 764 | 744 | 535 | 600 | 576 | 605 | 1480 | 6970 | 9050 | 3750 | 1690 | 1350 |
| MAX | 14 | 14 | 11 | 11 | 11 | 11 | 57 | 186 | 192 | 102 | 36 | 53 |
| MIN | 12 | 10 | 7.0 | 9.0 | 9.0 | 8.0 | 10 | 56 | 101 | 36 | 18 | 17 |

CAL YR 1979 TOTAL 12956 MEAN 35.5 MAX 173 MIN 5.4 AC-FT 25700
WTR YR 1980 TOTAL 14173.8 MEAN 38.7 MAX 192 MIN 7.0 AC-FT 28110

MAX DISCH 216 CFS AT 0200 11-JUN-1980 GH 3.24 FT. SHIFT +0.39 FT. MAX GH 3.24 FT. AT 0200 11-JUN-1980



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING, NEAR REDWING, CO (1981)

LOCATION.--Lat 37°43'40", long 105°21'03", in sec. 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares Crossing, 500 ft. downstream from private bridge, 0.2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

DRAINAGE AREA.--73 mi².

GAGE.--Water stage recorder. Altitude of gage is 8,270 ft.

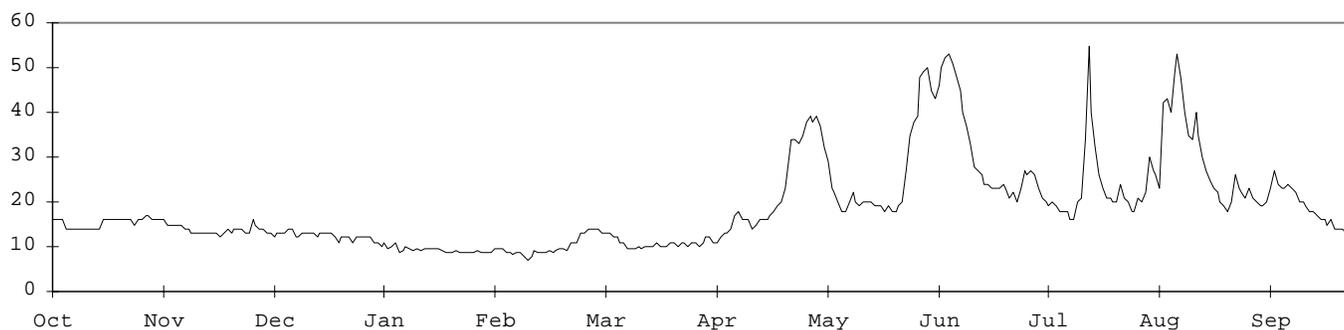
RATING TABLE.--HURREDCO15 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|-------|-------|-------|------|------|------|------|------|------|
| 1 | 16 | 16 | 13 | 10 | 8.9 | 14 | 11 | 39 | 48 | 26 | 21 | 23 |
| 2 | 16 | 15 | 12 | 11 | 9.5 | 14 | 12 | 38 | 49 | 27 | 20 | 21 |
| 3 | 16 | 15 | 13 | 9.5 | 9.5 | 14 | 12 | 39 | 50 | 26 | 22 | 20 |
| 4 | 16 | 15 | 13 | 10 | 9.5 | 13 | 11 | 37 | 45 | 23 | 30 | 19 |
| 5 | 14 | 15 | 13 | 11 | 8.9 | 13 | 11 | 32 | 43 | 21 | 27 | 19 |
| 6 | 14 | 15 | 14 | 8.9 | 8.6 | 13 | 12 | 29 | 46 | 20 | 26 | 20 |
| 7 | 14 | 14 | 14 | 9.2 | 8.4 | 12 | 13 | 23 | 50 | 19 | 23 | 23 |
| 8 | 14 | 14 | 12 | 9.8 | 8.6 | 12 | 13 | 22 | 52 | 20 | 42 | 27 |
| 9 | 14 | 13 | 12 | 9.5 | 8.6 | 11 | 14 | 20 | 53 | 19 | 43 | 24 |
| 10 | 14 | 13 | 13 | 9.2 | 8.0 | 11 | 17 | 18 | 51 | 18 | 40 | 23 |
| 11 | 14 | 13 | 13 | 9.5 | 7.0 | 9.5 | 18 | 18 | 48 | 18 | 49 | 23 |
| 12 | 14 | 13 | 13 | 9.2 | 8.0 | 9.5 | 16 | 20 | 45 | 18 | 53 | 24 |
| 13 | 14 | 13 | 13 | 9.5 | 9.2 | 9.5 | 16 | 22 | 40 | 16 | 48 | 23 |
| 14 | 14 | 13 | 12 | 9.5 | 8.6 | 9.8 | 16 | 20 | 37 | 16 | 40 | 22 |
| 15 | 16 | 13 | 13 | 9.5 | 8.6 | 9.5 | 14 | 19 | 33 | 20 | 35 | 20 |
| 16 | 16 | 13 | 13 | 9.5 | 8.9 | 9.8 | 15 | 20 | 28 | 21 | 34 | 20 |
| 17 | 16 | 12 | 13 | 9.5 | 9.2 | 9.8 | 16 | 20 | 27 | 34 | 40 | 19 |
| 18 | 16 | 13 | 13 | 9.2 | 8.9 | 9.8 | 16 | 20 | 26 | 55 | 35 | 18 |
| 19 | 16 | 14 | 12 | 8.9 | 9.2 | 11 | 16 | 19 | 24 | 40 | 30 | 18 |
| 20 | 16 | 13 | 11 | 8.9 | 9.5 | 10 | 17 | 19 | 24 | 32 | 27 | 17 |
| 21 | 16 | 14 | 12 | 8.9 | 9.5 | 9.8 | 18 | 19 | 23 | 26 | 25 | 16 |
| 22 | 16 | 14 | 12 | 9.2 | 9.0 | 10 | 19 | 18 | 23 | 23 | 23 | 16 |
| 23 | 16 | 14 | 12 | 8.9 | 11 | 11 | 20 | 19 | 23 | 21 | 22 | 15 |
| 24 | 15 | 13 | 11 | 8.6 | 11 | 11 | 23 | 18 | 24 | 21 | 20 | 16 |
| 25 | 16 | 13 | 12 | 8.6 | 11 | 10 | 30 | 18 | 23 | 20 | 19 | 14 |
| 26 | 16 | 16 | 12 | 8.9 | 13 | 11 | 34 | 19 | 21 | 20 | 18 | 14 |
| 27 | 17 | 15 | 12 | 8.9 | 13 | 11 | 34 | 20 | 22 | 24 | 20 | 14 |
| 28 | 17 | 14 | 12 | 9.2 | 14 | 10 | 33 | 27 | 20 | 21 | 26 | 13 |
| 29 | 16 | 14 | 12 | 8.9 | --- | 11 | 35 | 35 | 23 | 20 | 23 | 13 |
| 30 | 16 | 13 | 11 | 8.6 | --- | 11 | 38 | 38 | 27 | 18 | 22 | 13 |
| 31 | 16 | --- | 11 | 8.6 | --- | 10 | --- | 39 | --- | 18 | 21 | --- |
| TOTAL | 477 | 415 | 384 | 288.6 | 267.1 | 341.0 | 570 | 764 | 1048 | 721 | 924 | 567 |
| MEAN | 15.4 | 13.8 | 12.4 | 9.31 | 9.54 | 11.0 | 19.0 | 24.6 | 34.9 | 23.3 | 29.8 | 18.9 |
| AC-FT | 946 | 823 | 762 | 572 | 530 | 676 | 1130 | 1520 | 2080 | 1430 | 1830 | 1120 |
| MAX | 17 | 16 | 14 | 11 | 14 | 14 | 38 | 39 | 53 | 55 | 53 | 27 |
| MIN | 14 | 12 | 11 | 8.6 | 7.0 | 9.5 | 11 | 18 | 20 | 16 | 18 | 13 |

CAL YR 1980 TOTAL 14420.1 MEAN 39.4 MAX 192 MIN 8.0 AC-FT 28600
WTR YR 1981 TOTAL 6766.7 MEAN 18.5 MAX 55 MIN 7.0 AC-FT 13420

MAX DISCH 96 CFS AT 1900 11-AUG-1981 GH 2.62 FT. SHIFT 0.00 FT. MAX GH 2.62 FT. AT 1900 11-AUG-1981



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING, NEAR REDWING, CO (1982)

LOCATION.--Lat 37°43'40", long 105°21'03", in sec. 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares Crossing, 500 ft. downstream from private bridge, 0.2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

DRAINAGE AREA.--73 mi².

GAGE.--Water stage recorder. Altitude of gage is 8,270 ft.

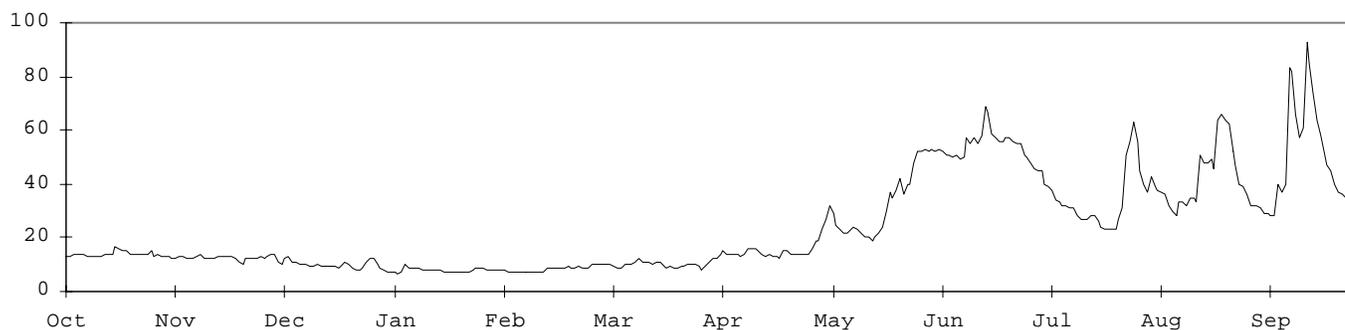
RATING TABLE.--HURREDCO15 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 1 | 13 | 12 | 10 | 7.2 | 8.1 | 10 | 11 | 19 | 53 | 48 | 45 | 32 |
| 2 | 13 | 13 | 12 | 7.0 | 8.0 | 10 | 12 | 19 | 52 | 46 | 40 | 32 |
| 3 | 14 | 13 | 13 | 6.8 | 7.5 | 10 | 12 | 23 | 53 | 45 | 37 | 32 |
| 4 | 14 | 12 | 11 | 7.6 | 7.0 | 10 | 14 | 27 | 52 | 45 | 43 | 31 |
| 5 | 14 | 12 | 11 | 9.8 | 7.0 | 9.5 | 15 | 32 | 53 | 40 | 39 | 29 |
| 6 | 14 | 12 | 10 | 8.9 | 7.5 | 8.9 | 14 | 29 | 52 | 39 | 38 | 29 |
| 7 | 13 | 13 | 9.8 | 8.6 | 7.5 | 9.0 | 14 | 25 | 51 | 38 | 37 | 28 |
| 8 | 13 | 14 | 9.8 | 8.6 | 7.5 | 10 | 14 | 23 | 51 | 34 | 36 | 28 |
| 9 | 13 | 12 | 9.5 | 8.6 | 7.0 | 10 | 14 | 22 | 50 | 33 | 32 | 40 |
| 10 | 13 | 12 | 9.5 | 8.1 | 7.0 | 10 | 13 | 22 | 51 | 32 | 30 | 37 |
| 11 | 13 | 12 | 9.8 | 7.8 | 7.0 | 11 | 14 | 23 | 49 | 32 | 28 | 40 |
| 12 | 14 | 12 | 9.5 | 7.8 | 7.0 | 12 | 16 | 24 | 50 | 31 | 33 | 83 |
| 13 | 14 | 13 | 9.5 | 7.8 | 7.6 | 11 | 16 | 23 | 57 | 31 | 33 | 82 |
| 14 | 14 | 13 | 9.2 | 7.8 | 8.6 | 11 | 16 | 22 | 55 | 28 | 32 | 66 |
| 15 | 17 | 13 | 9.2 | 7.8 | 8.9 | 11 | 15 | 20 | 57 | 27 | 35 | 57 |
| 16 | 16 | 13 | 9.5 | 7.6 | 8.9 | 9.8 | 14 | 20 | 55 | 27 | 35 | 61 |
| 17 | 15 | 13 | 8.9 | 7.6 | 8.9 | 11 | 13 | 19 | 58 | 27 | 33 | 93 |
| 18 | 15 | 12 | 9.2 | 7.6 | 8.9 | 11 | 14 | 20 | 69 | 28 | 51 | 85 |
| 19 | 14 | 11 | 11 | 7.4 | 8.9 | 9.5 | 13 | 22 | 67 | 28 | 48 | 74 |
| 20 | 14 | 10 | 9.8 | 7.6 | 9.2 | 8.6 | 13 | 24 | 59 | 26 | 48 | 64 |
| 21 | 14 | 12 | 8.6 | 7.5 | 8.9 | 9.2 | 12 | 30 | 57 | 24 | 49 | 58 |
| 22 | 14 | 12 | 7.8 | 7.5 | 8.9 | 8.9 | 15 | 37 | 56 | 23 | 46 | 51 |
| 23 | 14 | 12 | 7.8 | 7.5 | 9.2 | 8.9 | 15 | 35 | 56 | 23 | 64 | 47 |
| 24 | 14 | 12 | 8.6 | 8.0 | 8.9 | 9.2 | 14 | 38 | 57 | 23 | 66 | 45 |
| 25 | 15 | 13 | 11 | 8.6 | 8.9 | 9.5 | 14 | 42 | 57 | 23 | 64 | 40 |
| 26 | 13 | 12 | 12 | 8.6 | 8.9 | 9.8 | 14 | 36 | 56 | 27 | 62 | 37 |
| 27 | 14 | 13 | 12 | 8.4 | 9.8 | 9.8 | 14 | 40 | 55 | 31 | 52 | 36 |
| 28 | 13 | 14 | 9.8 | 8.1 | 9.8 | 9.8 | 14 | 40 | 55 | 51 | 47 | 35 |
| 29 | 13 | 14 | 8.4 | 7.8 | --- | 9.2 | 14 | 48 | 51 | 56 | 40 | 32 |
| 30 | 13 | 11 | 7.8 | 8.0 | --- | 7.8 | 16 | 52 | 50 | 63 | 39 | 31 |
| 31 | 12 | --- | 7.4 | 8.0 | --- | 9.5 | --- | 52 | --- | 56 | 36 | --- |
| TOTAL | 429 | 372 | 302.4 | 246.0 | 231.3 | 304.9 | 419 | 908 | 1644 | 1085 | 1318 | 1435 |
| MEAN | 13.8 | 12.4 | 9.75 | 7.94 | 8.26 | 9.84 | 14.0 | 29.3 | 54.8 | 35.0 | 42.5 | 47.8 |
| AC-FT | 851 | 738 | 600 | 488 | 459 | 605 | 831 | 1800 | 3260 | 2150 | 2610 | 2850 |
| MAX | 17 | 14 | 13 | 9.8 | 9.8 | 12 | 16 | 52 | 69 | 63 | 66 | 93 |
| MIN | 12 | 10 | 7.4 | 6.8 | 7.0 | 7.8 | 11 | 19 | 49 | 23 | 28 | 28 |

CAL YR 1981 TOTAL 6594.1 MEAN 18.1 MAX 55 MIN 7.0 AC-FT 13080
WTR YR 1982 TOTAL 8694.6 MEAN 23.8 MAX 93 MIN 6.8 AC-FT 17250

MAX DISCH 102 CFS AT 1000 17-SEP-1982 GH 2.62 FT. SHIFT +0.03 FT. MAX GH 2.69 FT. AT 0100 23-JAN-1982



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING, NEAR REDWING, CO (1983)

LOCATION.--Lat 37°43'40", long 105°21'03", in sec. 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares Crossing, 500 ft. downstream from private bridge, 0.2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

DRAINAGE AREA.--73 mi².

GAGE.--Water stage recorder. Altitude of gage is 8,270 ft.

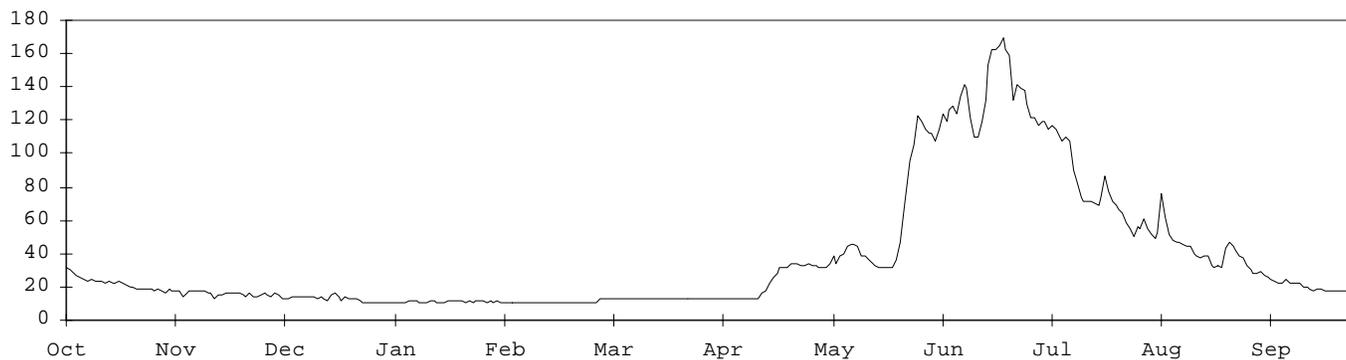
RATING TABLE.--HURREDCO15 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 32 | 17 | 13 | 10 | 11 | 13 | 13 | 33 | 115 | 121 | 55 | 30 |
| 2 | 30 | 17 | 13 | 10 | 11 | 13 | 13 | 32 | 112 | 121 | 61 | 28 |
| 3 | 28 | 14 | 13 | 10 | 11 | 13 | 13 | 32 | 112 | 117 | 55 | 28 |
| 4 | 27 | 16 | 14 | 10 | 11 | 13 | 13 | 32 | 107 | 119 | 52 | 29 |
| 5 | 26 | 17 | 14 | 11 | 11 | 13 | 13 | 34 | 115 | 119 | 49 | 27 |
| 6 | 24 | 17 | 14 | 12 | 11 | 13 | 13 | 38 | 124 | 115 | 53 | 26 |
| 7 | 23 | 17 | 14 | 12 | 11 | 13 | 13 | 34 | 119 | 117 | 76 | 24 |
| 8 | 24 | 17 | 14 | 12 | 11 | 13 | 13 | 38 | 126 | 115 | 62 | 23 |
| 9 | 23 | 18 | 14 | 11 | 11 | 13 | 13 | 40 | 128 | 110 | 51 | 22 |
| 10 | 23 | 16 | 14 | 11 | 11 | 13 | 13 | 44 | 124 | 107 | 48 | 22 |
| 11 | 23 | 16 | 13 | 11 | 11 | 13 | 13 | 46 | 134 | 110 | 47 | 24 |
| 12 | 22 | 13 | 14 | 12 | 11 | 13 | 13 | 46 | 141 | 107 | 47 | 22 |
| 13 | 23 | 15 | 13 | 12 | 11 | 13 | 13 | 44 | 139 | 90 | 46 | 22 |
| 14 | 22 | 15 | 12 | 11 | 11 | 13 | 13 | 39 | 121 | 82 | 45 | 22 |
| 15 | 22 | 16 | 15 | 11 | 11 | 13 | 13 | 38 | 110 | 74 | 45 | 22 |
| 16 | 23 | 16 | 16 | 11 | 11 | 13 | 16 | 36 | 110 | 71 | 40 | 20 |
| 17 | 22 | 16 | 14 | 12 | 11 | 13 | 18 | 34 | 119 | 71 | 39 | 20 |
| 18 | 21 | 16 | 12 | 12 | 11 | 13 | 22 | 33 | 132 | 71 | 37 | 19 |
| 19 | 20 | 16 | 14 | 12 | 11 | 13 | 26 | 32 | 153 | 70 | 38 | 18 |
| 20 | 20 | 15 | 13 | 12 | 11 | 13 | 28 | 32 | 163 | 69 | 38 | 19 |
| 21 | 19 | 14 | 13 | 12 | 11 | 13 | 32 | 32 | 163 | 74 | 33 | 19 |
| 22 | 19 | 16 | 13 | 11 | 11 | 13 | 32 | 32 | 165 | 87 | 32 | 18 |
| 23 | 19 | 14 | 12 | 12 | 11 | 13 | 32 | 32 | 169 | 77 | 33 | 18 |
| 24 | 19 | 14 | 11 | 11 | 11 | 13 | 34 | 36 | 163 | 71 | 32 | 18 |
| 25 | 19 | 15 | 11 | 12 | 11 | 13 | 34 | 47 | 159 | 69 | 43 | 18 |
| 26 | 18 | 16 | 11 | 12 | 11 | 13 | 34 | 67 | 132 | 67 | 47 | 18 |
| 27 | 19 | 15 | 10 | 12 | 11 | 13 | 33 | 87 | 141 | 64 | 45 | 18 |
| 28 | 17 | 14 | 10 | 11 | 11 | 13 | 33 | 96 | 139 | 58 | 42 | 17 |
| 29 | 16 | 16 | 10 | 12 | --- | 13 | 34 | 105 | 138 | 55 | 39 | 18 |
| 30 | 19 | 15 | 10 | 11 | --- | 13 | 33 | 123 | 130 | 50 | 37 | 20 |
| 31 | 18 | --- | 10 | 12 | --- | 13 | --- | 119 | --- | 56 | 33 | --- |
| TOTAL | 680 | 469 | 394 | 353 | 308 | 403 | 636 | 1513 | 4003 | 2704 | 1400 | 649 |
| MEAN | 21.9 | 15.6 | 12.7 | 11.4 | 11.0 | 13.0 | 21.2 | 48.8 | 133 | 87.2 | 45.2 | 21.6 |
| AC-FT | 1350 | 930 | 781 | 700 | 611 | 799 | 1260 | 3000 | 7940 | 5360 | 2780 | 1290 |
| MAX | 32 | 18 | 16 | 12 | 11 | 13 | 34 | 123 | 169 | 121 | 76 | 30 |
| MIN | 16 | 13 | 10 | 10 | 11 | 13 | 13 | 32 | 107 | 50 | 32 | 17 |

CAL YR 1982 TOTAL 9134.2 MEAN 25.0 MAX 93 MIN 6.8 AC-FT 18120
WTR YR 1983 TOTAL 13512 MEAN 37.0 MAX 169 MIN 10 AC-FT 26800

MAX DISCH 184 CFS AT 0700 23-JUN-1983 GH 3.10 FT. SHIFT -0.02 FT. MAX GH 3.10 FT. AT 0700 23-JUN-1983



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING, NEAR REDWING, CO (1984)

LOCATION.--Lat 37°43'40", long 105°21'03", in sec. 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares Crossing, 500 ft. downstream from private bridge, 0.2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

DRAINAGE AREA.--73 mi².

GAGE.--Water stage recorder. Altitude of gage is 8,270 ft.

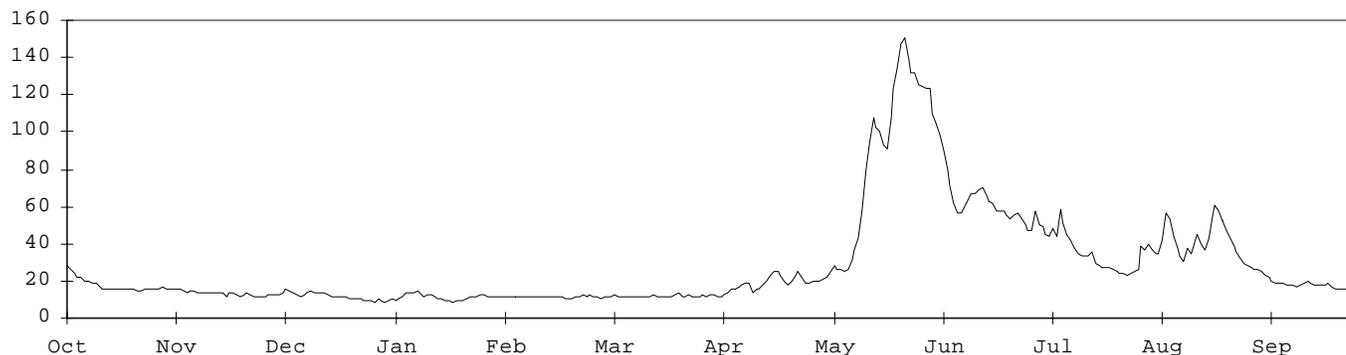
RATING TABLE.--HURREDCO15 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|-------|------|------|------|------|------|------|------|------|
| 1 | 28 | 16 | 14 | 10 | 12 | 12 | 13 | 20 | 123 | 58 | 37 | 26 |
| 2 | 26 | 16 | 16 | 9.0 | 12 | 12 | 12 | 21 | 110 | 50 | 40 | 26 |
| 3 | 24 | 15 | 15 | 10 | 12 | 11 | 12 | 22 | 105 | 49 | 37 | 25 |
| 4 | 22 | 14 | 14 | 12 | 12 | 13 | 13 | 25 | 98 | 45 | 34 | 23 |
| 5 | 22 | 15 | 13 | 14 | 12 | 12 | 14 | 28 | 90 | 44 | 35 | 22 |
| 6 | 20 | 15 | 12 | 14 | 12 | 11 | 16 | 26 | 79 | 48 | 42 | 20 |
| 7 | 20 | 14 | 13 | 14 | 12 | 12 | 16 | 26 | 71 | 44 | 56 | 19 |
| 8 | 19 | 14 | 14 | 15 | 12 | 12 | 17 | 25 | 62 | 59 | 53 | 19 |
| 9 | 19 | 14 | 15 | 14 | 12 | 11 | 18 | 26 | 56 | 51 | 44 | 19 |
| 10 | 18 | 14 | 14 | 12 | 12 | 11 | 19 | 31 | 56 | 45 | 38 | 18 |
| 11 | 16 | 14 | 14 | 13 | 12 | 11 | 19 | 37 | 61 | 42 | 33 | 18 |
| 12 | 16 | 14 | 14 | 13 | 12 | 11 | 14 | 43 | 63 | 38 | 30 | 18 |
| 13 | 16 | 14 | 14 | 12 | 12 | 11 | 16 | 57 | 67 | 34 | 38 | 17 |
| 14 | 16 | 14 | 13 | 10 | 12 | 12 | 16 | 80 | 67 | 33 | 35 | 18 |
| 15 | 16 | 12 | 12 | 10 | 12 | 13 | 18 | 95 | 69 | 33 | 42 | 19 |
| 16 | 16 | 14 | 11 | 9.0 | 11 | 12 | 20 | 108 | 70 | 33 | 45 | 20 |
| 17 | 16 | 14 | 11 | 9.0 | 11 | 11 | 23 | 103 | 66 | 36 | 40 | 19 |
| 18 | 16 | 13 | 12 | 8.0 | 11 | 12 | 25 | 100 | 63 | 29 | 37 | 18 |
| 19 | 16 | 12 | 11 | 9.0 | 10 | 12 | 25 | 93 | 62 | 28 | 43 | 18 |
| 20 | 16 | 13 | 10 | 9.0 | 10 | 12 | 23 | 91 | 57 | 27 | 55 | 18 |
| 21 | 15 | 14 | 10 | 9.0 | 10 | 13 | 20 | 108 | 57 | 27 | 61 | 18 |
| 22 | 15 | 13 | 10 | 10 | 11 | 14 | 18 | 123 | 57 | 27 | 58 | 19 |
| 23 | 16 | 12 | 10 | 11 | 12 | 12 | 20 | 134 | 55 | 26 | 52 | 17 |
| 24 | 16 | 12 | 9.0 | 11 | 13 | 12 | 23 | 147 | 53 | 25 | 47 | 16 |
| 25 | 16 | 11 | 9.0 | 12 | 12 | 13 | 25 | 151 | 55 | 24 | 43 | 16 |
| 26 | 16 | 12 | 9.5 | 13 | 13 | 12 | 22 | 139 | 56 | 24 | 39 | 16 |
| 27 | 16 | 13 | 8.6 | 13 | 12 | 11 | 19 | 132 | 53 | 23 | 36 | 16 |
| 28 | 17 | 13 | 10 | 12 | 11 | 12 | 19 | 132 | 50 | 24 | 32 | 17 |
| 29 | 16 | 13 | 9.0 | 12 | 10 | 13 | 20 | 126 | 47 | 25 | 29 | 18 |
| 30 | 16 | 13 | 8.0 | 12 | --- | 12 | 20 | 124 | 47 | 26 | 28 | 18 |
| 31 | 16 | --- | 9.0 | 12 | --- | 13 | --- | 123 | --- | 39 | 27 | --- |
| TOTAL | 553 | 407 | 364.1 | 353.0 | 337 | 371 | 555 | 2496 | 2025 | 1116 | 1266 | 571 |
| MEAN | 17.8 | 13.6 | 11.7 | 11.4 | 11.6 | 12.0 | 18.5 | 80.5 | 67.5 | 36.0 | 40.8 | 19.0 |
| AC-FT | 1100 | 807 | 722 | 700 | 668 | 736 | 1100 | 4950 | 4020 | 2210 | 2510 | 1130 |
| MAX | 28 | 16 | 16 | 15 | 13 | 14 | 25 | 151 | 123 | 59 | 61 | 26 |
| MIN | 15 | 11 | 8.0 | 8.0 | 10 | 11 | 12 | 20 | 47 | 23 | 27 | 16 |

CAL YR 1983 TOTAL 13293.1 MEAN 36.4 MAX 169 MIN 8.0 AC-FT 26370
WTR YR 1984 TOTAL 10414.1 MEAN 28.5 MAX 151 MIN 8.0 AC-FT 20660

MAX DISCH 161 CFS AT 0300 25-MAY-1984 GH 3.05 FT. SHIFT -0.08 FT. MAX GH 3.05 FT. AT 0300 25-MAY-1984



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING, NEAR REDWING, CO (1985)

LOCATION.--Lat 37°43'40", long 105°21'03", in sec. 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares Crossing, 500 ft. downstream from private bridge, 0.2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

DRAINAGE AREA.--73 mi².

GAGE.--Water stage recorder. Altitude of gage is 8,270 ft.

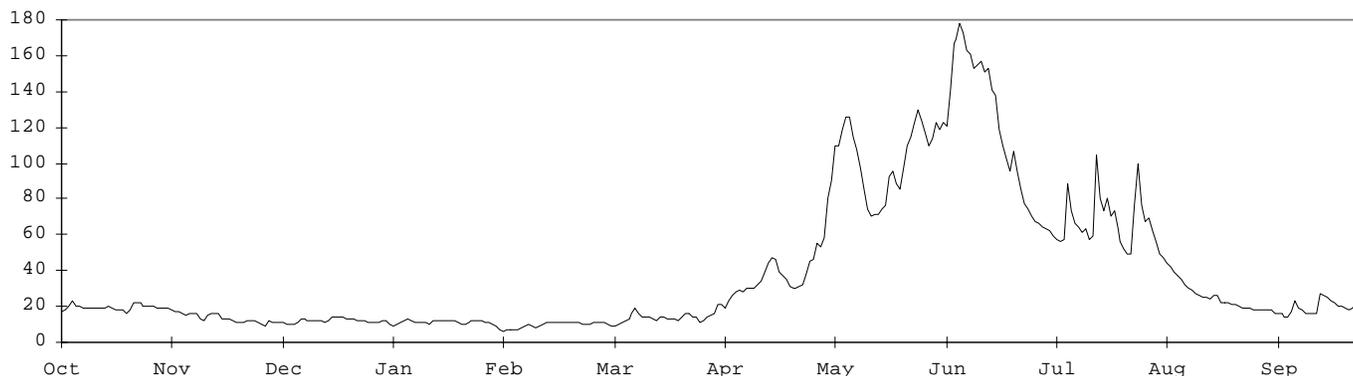
RATING TABLE.--HURREDCO15 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|------|-------|-------|-------|------|------|------|------|------|------|
| 1 | 17 | 18 | 11 | 10 | 7.0 | 11 | 15 | 55 | 110 | 67 | 67 | 18 |
| 2 | 18 | 17 | 11 | 9.0 | 6.5 | 11 | 16 | 53 | 114 | 66 | 69 | 18 |
| 3 | 20 | 17 | 10 | 10 | 7.0 | 9.8 | 21 | 58 | 123 | 64 | 62 | 18 |
| 4 | 23 | 16 | 10 | 11 | 7.0 | 9.0 | 21 | 80 | 119 | 63 | 56 | 18 |
| 5 | 20 | 15 | 10 | 12 | 7.0 | 9.0 | 19 | 91 | 123 | 62 | 49 | 18 |
| 6 | 20 | 16 | 11 | 13 | 7.0 | 10 | 23 | 110 | 121 | 59 | 47 | 16 |
| 7 | 19 | 16 | 13 | 12 | 8.0 | 11 | 26 | 110 | 141 | 57 | 44 | 16 |
| 8 | 19 | 16 | 13 | 11 | 9.0 | 12 | 28 | 119 | 167 | 56 | 42 | 16 |
| 9 | 19 | 13 | 12 | 11 | 10 | 13 | 29 | 126 | 169 | 57 | 39 | 14 |
| 10 | 19 | 12 | 12 | 11 | 9.0 | 16 | 28 | 126 | 178 | 88 | 37 | 14 |
| 11 | 19 | 15 | 12 | 11 | 8.0 | 19 | 30 | 115 | 173 | 73 | 35 | 17 |
| 12 | 19 | 16 | 12 | 10 | 9.0 | 16 | 30 | 108 | 163 | 66 | 32 | 23 |
| 13 | 19 | 16 | 12 | 12 | 10 | 14 | 30 | 98 | 161 | 64 | 30 | 19 |
| 14 | 20 | 16 | 11 | 12 | 11 | 14 | 32 | 85 | 153 | 61 | 29 | 18 |
| 15 | 19 | 13 | 12 | 12 | 11 | 14 | 34 | 74 | 155 | 63 | 27 | 16 |
| 16 | 18 | 13 | 14 | 12 | 11 | 13 | 39 | 70 | 157 | 57 | 26 | 16 |
| 17 | 18 | 13 | 14 | 12 | 11 | 12 | 44 | 71 | 151 | 59 | 25 | 16 |
| 18 | 18 | 12 | 14 | 12 | 11 | 14 | 47 | 71 | 153 | 105 | 25 | 16 |
| 19 | 16 | 11 | 14 | 12 | 11 | 14 | 46 | 74 | 141 | 80 | 24 | 27 |
| 20 | 18 | 11 | 13 | 11 | 11 | 13 | 39 | 76 | 138 | 73 | 26 | 26 |
| 21 | 22 | 11 | 13 | 10 | 11 | 13 | 37 | 93 | 119 | 80 | 26 | 25 |
| 22 | 22 | 12 | 13 | 10 | 11 | 13 | 35 | 96 | 110 | 70 | 22 | 23 |
| 23 | 22 | 12 | 12 | 11 | 11 | 12 | 31 | 88 | 103 | 73 | 22 | 22 |
| 24 | 20 | 12 | 12 | 12 | 10 | 14 | 30 | 85 | 96 | 63 | 22 | 20 |
| 25 | 20 | 11 | 12 | 12 | 10 | 16 | 30 | 98 | 107 | 56 | 21 | 20 |
| 26 | 20 | 10 | 11 | 12 | 10 | 16 | 31 | 110 | 96 | 52 | 21 | 19 |
| 27 | 20 | 9.0 | 11 | 12 | 11 | 14 | 32 | 115 | 85 | 49 | 20 | 18 |
| 28 | 19 | 12 | 11 | 11 | 11 | 14 | 38 | 123 | 77 | 49 | 19 | 19 |
| 29 | 19 | 11 | 11 | 11 | --- | 11 | 45 | 130 | 74 | 76 | 19 | 22 |
| 30 | 19 | 11 | 12 | 10 | --- | 12 | 46 | 124 | 70 | 100 | 19 | 20 |
| 31 | 19 | --- | 12 | 9.0 | --- | 14 | --- | 117 | --- | 76 | 18 | --- |
| TOTAL | 600 | 403.0 | 371 | 346.0 | 266.5 | 403.8 | 952 | 2949 | 3847 | 2084 | 1020 | 568 |
| MEAN | 19.4 | 13.4 | 12.0 | 11.2 | 9.52 | 13.0 | 31.7 | 95.1 | 128 | 67.2 | 32.9 | 18.9 |
| AC-FT | 1190 | 799 | 736 | 686 | 529 | 801 | 1890 | 5850 | 7630 | 4130 | 2020 | 1130 |
| MAX | 23 | 18 | 14 | 13 | 11 | 19 | 47 | 130 | 178 | 105 | 69 | 27 |
| MIN | 16 | 9.0 | 10 | 9.0 | 6.5 | 9.0 | 15 | 53 | 70 | 49 | 18 | 14 |

CAL YR 1984 TOTAL 10464.0 MEAN 28.6 MAX 151 MIN 9.0 AC-FT 20760
WTR YR 1985 TOTAL 13810.3 MEAN 37.8 MAX 178 MIN 6.5 AC-FT 27390

MAX DISCH 218 CFS AT 1600 21-JUL-1985 GH 3.22 FT. SHIFT +0.01 FT. MAX GH 3.22 FT. AT 1600 21-JUL-1985



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING, NEAR REDWING, CO (1986)

LOCATION.--Lat 37°43'40", long 105°21'03", in sec. 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares Crossing, 500 ft. downstream from private bridge, 0.2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

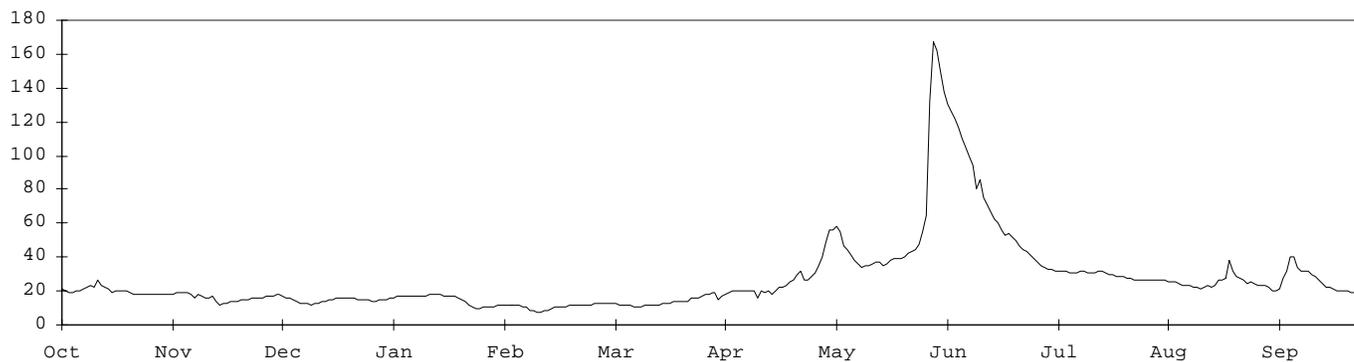
DRAINAGE AREA.--73 mi².

GAGE.--Water stage recorder. Altitude of gage is 8,270 ft.

RATING TABLE.--HURREDCO15 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|---------|------|------|------|-------|------|------|------|-------|-------|------|------|
| 1 | 21 | 18 | 18 | 16 | 12 | 13 | 19 | 35 | 132 | 37 | 27 | 23 |
| 2 | 20 | 19 | 17 | 16 | 12 | 13 | 19 | 40 | 167 | 35 | 27 | 23 |
| 3 | 19 | 19 | 16 | 17 | 12 | 13 | 15 | 49 | 162 | 34 | 26 | 23 |
| 4 | 19 | 19 | 16 | 17 | 12 | 13 | 17 | 56 | 149 | 33 | 26 | 22 |
| 5 | 20 | 19 | 15 | 17 | 12 | 13 | 18 | 56 | 138 | 33 | 26 | 20 |
| 6 | 20 | 18 | 14 | 17 | 12 | 12 | 19 | 58 | 130 | 32 | 26 | 20 |
| 7 | 21 | 16 | 13 | 17 | 11 | 12 | 20 | 55 | 126 | 32 | 25 | 21 |
| 8 | 22 | 18 | 13 | 17 | 11 | 12 | 20 | 47 | 122 | 32 | 25 | 28 |
| 9 | 23 | 17 | 13 | 17 | 9.0 | 12 | 20 | 44 | 117 | 32 | 25 | 32 |
| 10 | 22 | 16 | 12 | 17 | 8.0 | 11 | 20 | 41 | 110 | 31 | 24 | 40 |
| 11 | 26 | 16 | 13 | 17 | 7.4 | 11 | 20 | 38 | 105 | 31 | 23 | 40 |
| 12 | 23 | 17 | 13 | 18 | 7.4 | 11 | 20 | 36 | 100 | 31 | 23 | 34 |
| 13 | 22 | 14 | 14 | 18 | 8.0 | 12 | 20 | 34 | 94 | 32 | 23 | 32 |
| 14 | 21 | 12 | 14 | 18 | 9.0 | 12 | 16 | 35 | 80 | 32 | 22 | 32 |
| 15 | 19 | 13 | 15 | 18 | 10 | 12 | 20 | 35 | 86 | 31 | 22 | 32 |
| 16 | 20 | 13 | 15 | 17 | 11 | 12 | 19 | 36 | 75 | 31 | 21 | 30 |
| 17 | 20 | 14 | 16 | 17 | 11 | 12 | 20 | 37 | 71 | 31 | 22 | 29 |
| 18 | 20 | 14 | 16 | 17 | 11 | 13 | 18 | 37 | 67 | 32 | 23 | 26 |
| 19 | 20 | 14 | 16 | 17 | 11 | 13 | 20 | 35 | 63 | 32 | 22 | 24 |
| 20 | 19 | 15 | 16 | 16 | 12 | 13 | 22 | 36 | 60 | 31 | 23 | 22 |
| 21 | 18 | 15 | 16 | 15 | 12 | 14 | 22 | 38 | 56 | 30 | 27 | 22 |
| 22 | 18 | 15 | 16 | 14 | 12 | 14 | 23 | 39 | 53 | 30 | 26 | 21 |
| 23 | 18 | 16 | 15 | 12 | 12 | 14 | 25 | 39 | 54 | 29 | 28 | 20 |
| 24 | 18 | 16 | 15 | 11 | 12 | 14 | 27 | 39 | 52 | 29 | 38 | 20 |
| 25 | 18 | 16 | 15 | 10 | 12 | 14 | 30 | 40 | 50 | 29 | 32 | 20 |
| 26 | 18 | 16 | 15 | 10 | 12 | 16 | 32 | 42 | 47 | 28 | 29 | 20 |
| 27 | 18 | 17 | 14 | 11 | 13 | 16 | 26 | 43 | 45 | 28 | 28 | 19 |
| 28 | 18 | 17 | 14 | 11 | 13 | 16 | 27 | 45 | 43 | 27 | 26 | 19 |
| 29 | 18 | 17 | 15 | 11 | --- | 17 | 29 | 48 | 41 | 27 | 24 | 19 |
| 30 | 18 | 18 | 15 | 11 | --- | 18 | 31 | 55 | 39 | 26 | 25 | 19 |
| 31 | 18 | --- | 15 | 12 | --- | 18 | --- | 65 | --- | 27 | 24 | --- |
| TOTAL | 615 | 484 | 460 | 469 | 306.8 | 416 | 654 | 1333 | 2634 | 955 | 788 | 752 |
| MEAN | 19.8 | 16.1 | 14.8 | 15.1 | 11.0 | 13.4 | 21.8 | 43.0 | 87.8 | 30.8 | 25.4 | 25.1 |
| AC-FT | 1220 | 960 | 912 | 930 | 609 | 825 | 1300 | 2640 | 5220 | 1890 | 1560 | 1490 |
| MAX | 26 | 19 | 18 | 18 | 13 | 18 | 32 | 65 | 167 | 37 | 38 | 40 |
| MIN | 18 | 12 | 12 | 10 | 7.4 | 11 | 15 | 34 | 39 | 26 | 21 | 19 |
| CAL YR 1985 TOTAL | 13995.3 | | MEAN | 38.3 | MAX | 178 | MIN | 6.5 | AC-FT | 27760 | | |
| WTR YR 1986 TOTAL | 9866.8 | | MEAN | 27.0 | MAX | 167 | MIN | 7.4 | AC-FT | 19570 | | |



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING, NEAR REDWING, CO (1987)

LOCATION.--Lat 37°43'40", long 105°21'03", in sec. 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares Crossing, 500 ft. downstream from private bridge, 0.2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

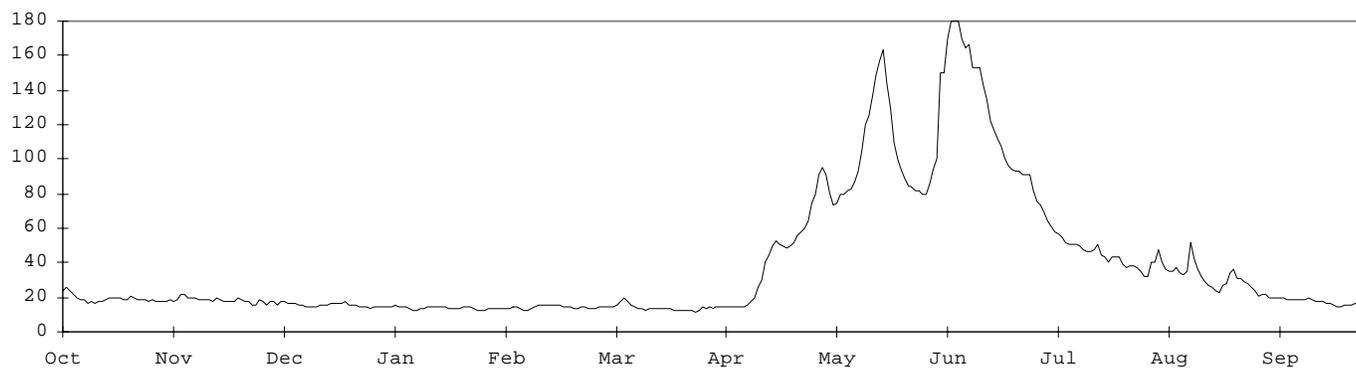
DRAINAGE AREA.--73 mi².

GAGE.--Water stage recorder. Altitude of gage is 8,270 ft.

RATING TABLE.--HURREDCO15 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|--------|------|------|------|------|------|------|------|-------|-------|------|------|
| 1 | 24 | 18 | 18 | 15 | 13 | 14 | 13 | 91 | 86 | 76 | 32 | 21 |
| 2 | 26 | 19 | 18 | 16 | 13 | 14 | 14 | 95 | 94 | 73 | 40 | 22 |
| 3 | 24 | 22 | 17 | 15 | 13 | 14 | 14 | 91 | 100 | 69 | 40 | 22 |
| 4 | 22 | 22 | 17 | 14 | 14 | 14 | 15 | 81 | 150 | 64 | 48 | 20 |
| 5 | 20 | 20 | 17 | 14 | 14 | 16 | 14 | 73 | 150 | 61 | 40 | 20 |
| 6 | 19 | 20 | 16 | 13 | 13 | 18 | 14 | 75 | 170 | 58 | 36 | 20 |
| 7 | 19 | 20 | 16 | 12 | 12 | 20 | 14 | 80 | 180 | 57 | 35 | 20 |
| 8 | 17 | 19 | 15 | 12 | 12 | 18 | 15 | 80 | 180 | 55 | 35 | 20 |
| 9 | 18 | 19 | 14 | 13 | 13 | 16 | 14 | 82 | 180 | 52 | 37 | 19 |
| 10 | 17 | 19 | 14 | 13 | 14 | 14 | 15 | 83 | 170 | 51 | 34 | 19 |
| 11 | 18 | 19 | 15 | 14 | 16 | 13 | 16 | 87 | 165 | 51 | 33 | 19 |
| 12 | 18 | 18 | 16 | 15 | 16 | 13 | 18 | 93 | 167 | 51 | 35 | 19 |
| 13 | 19 | 20 | 16 | 15 | 16 | 12 | 20 | 105 | 153 | 50 | 52 | 19 |
| 14 | 20 | 19 | 16 | 15 | 16 | 13 | 26 | 120 | 153 | 48 | 42 | 19 |
| 15 | 20 | 18 | 17 | 15 | 16 | 13 | 30 | 125 | 153 | 47 | 36 | 20 |
| 16 | 20 | 18 | 17 | 14 | 16 | 13 | 40 | 137 | 143 | 47 | 32 | 19 |
| 17 | 20 | 18 | 17 | 13 | 16 | 13 | 44 | 149 | 134 | 48 | 29 | 18 |
| 18 | 19 | 18 | 17 | 13 | 15 | 13 | 50 | 157 | 122 | 51 | 27 | 18 |
| 19 | 19 | 20 | 18 | 13 | 15 | 13 | 53 | 163 | 117 | 44 | 26 | 18 |
| 20 | 21 | 19 | 16 | 13 | 14 | 13 | 51 | 144 | 112 | 43 | 24 | 17 |
| 21 | 20 | 18 | 16 | 14 | 13 | 12 | 50 | 130 | 108 | 40 | 23 | 17 |
| 22 | 19 | 18 | 16 | 14 | 13 | 12 | 49 | 110 | 100 | 43 | 27 | 16 |
| 23 | 19 | 16 | 14 | 14 | 14 | 12 | 50 | 100 | 96 | 43 | 28 | 15 |
| 24 | 19 | 16 | 14 | 13 | 14 | 12 | 52 | 94 | 94 | 43 | 34 | 15 |
| 25 | 18 | 19 | 14 | 12 | 13 | 12 | 56 | 89 | 93 | 39 | 36 | 16 |
| 26 | 19 | 18 | 13 | 12 | 13 | 12 | 58 | 85 | 93 | 37 | 31 | 16 |
| 27 | 18 | 16 | 15 | 12 | 13 | 11 | 60 | 84 | 91 | 38 | 31 | 16 |
| 28 | 18 | 18 | 15 | 13 | 14 | 12 | 64 | 82 | 91 | 38 | 29 | 17 |
| 29 | 18 | 18 | 15 | 13 | --- | 14 | 74 | 82 | 91 | 37 | 28 | 16 |
| 30 | 18 | 16 | 15 | 13 | --- | 13 | 80 | 80 | 82 | 35 | 26 | 16 |
| 31 | 19 | --- | 15 | 13 | --- | 14 | --- | 80 | --- | 32 | 24 | --- |
| TOTAL | 605 | 558 | 489 | 420 | 394 | 423 | 1083 | 3127 | 3818 | 1521 | 1030 | 549 |
| MEAN | 19.5 | 18.6 | 15.8 | 13.5 | 14.1 | 13.6 | 36.1 | 101 | 127 | 49.1 | 33.2 | 18.3 |
| AC-FT | 1200 | 1110 | 970 | 833 | 781 | 839 | 2150 | 6200 | 7570 | 3020 | 2040 | 1090 |
| MAX | 26 | 22 | 18 | 16 | 16 | 20 | 80 | 163 | 180 | 76 | 52 | 22 |
| MIN | 17 | 16 | 13 | 12 | 12 | 11 | 13 | 73 | 82 | 32 | 23 | 15 |
| CAL YR 1986 TOTAL | 9959.8 | | MEAN | 27.3 | MAX | 167 | MIN | 7.4 | AC-FT | 19760 | | |
| WTR YR 1987 TOTAL | 14017 | | MEAN | 38.4 | MAX | 180 | MIN | 11 | AC-FT | 27800 | | |



ARKANSAS RIVER BASIN

07114000 CUCCHARAS RIVER AT BOYD RANCH, NEAR LA VETA, CO (1980)

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

DRAINAGE AREA.--56 mi².

GAGE.--Water-stage recorder. Altitude of gage is 7,781 ft.

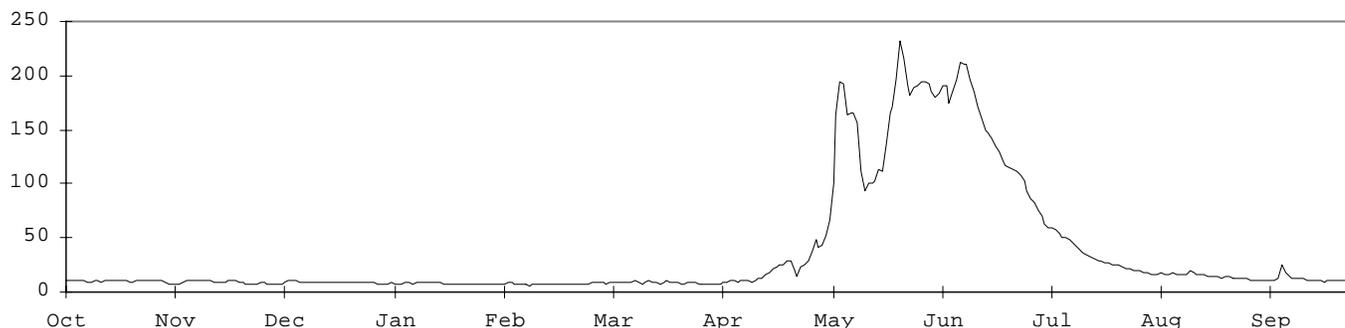
RATING TABLE.--CRBRLVCO12 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|
| 1 | 11 | 7.0 | 8.0 | 8.5 | 8.0 | 8.5 | 7.5 | 42 | 192 | 83 | 18 | 11 |
| 2 | 11 | 8.0 | 9.0 | 8.0 | 8.0 | 8.0 | 8.0 | 44 | 185 | 76 | 18 | 10 |
| 3 | 11 | 9.0 | 10 | 7.5 | 8.5 | 8.8 | 8.0 | 52 | 179 | 70 | 17 | 10 |
| 4 | 11 | 10 | 10 | 8.0 | 8.5 | 9.2 | 8.5 | 66 | 183 | 63 | 17 | 10 |
| 5 | 10 | 10 | 10 | 8.5 | 8.0 | 8.8 | 9.5 | 100 | 190 | 60 | 17 | 10 |
| 6 | 10 | 10 | 8.5 | 9.0 | 8.0 | 8.8 | 10 | 164 | 190 | 59 | 18 | 11 |
| 7 | 9.6 | 11 | 8.5 | 8.0 | 7.5 | 8.2 | 11 | 194 | 175 | 57 | 17 | 10 |
| 8 | 9.6 | 11 | 9.0 | 8.5 | 7.0 | 9.2 | 9.2 | 192 | 185 | 54 | 16 | 12 |
| 9 | 10 | 11 | 9.5 | 9.0 | 6.0 | 8.8 | 11 | 164 | 196 | 51 | 18 | 25 |
| 10 | 10 | 10 | 9.5 | 9.0 | 6.5 | 10 | 11 | 166 | 212 | 51 | 16 | 18 |
| 11 | 9.6 | 10 | 9.5 | 8.5 | 6.5 | 8.8 | 11 | 166 | 210 | 49 | 16 | 15 |
| 12 | 10 | 9.5 | 9.0 | 9.0 | 7.0 | 7.4 | 9.2 | 156 | 210 | 45 | 16 | 13 |
| 13 | 10 | 9.5 | 8.5 | 9.5 | 7.5 | 8.8 | 10 | 112 | 196 | 41 | 16 | 13 |
| 14 | 10 | 9.0 | 8.5 | 9.5 | 7.5 | 10 | 13 | 94 | 185 | 38 | 20 | 12 |
| 15 | 10 | 9.5 | 9.0 | 9.0 | 7.0 | 8.8 | 13 | 100 | 170 | 36 | 18 | 12 |
| 16 | 10 | 10 | 9.0 | 8.0 | 7.0 | 8.5 | 16 | 101 | 160 | 34 | 17 | 11 |
| 17 | 10 | 10 | 9.0 | 8.0 | 7.0 | 7.5 | 18 | 103 | 150 | 32 | 16 | 11 |
| 18 | 10 | 10 | 9.0 | 8.0 | 7.5 | 9.0 | 21 | 114 | 148 | 30 | 16 | 11 |
| 19 | 9.6 | 9.5 | 9.0 | 7.5 | 7.4 | 10 | 23 | 112 | 142 | 28 | 15 | 10 |
| 20 | 9.6 | 8.5 | 9.5 | 7.0 | 7.4 | 8.5 | 25 | 136 | 134 | 28 | 14 | 10 |
| 21 | 11 | 7.5 | 9.5 | 7.0 | 7.4 | 8.2 | 25 | 166 | 129 | 27 | 14 | 9.6 |
| 22 | 11 | 6.5 | 9.5 | 7.0 | 7.8 | 8.8 | 28 | 170 | 121 | 27 | 14 | 10 |
| 23 | 11 | 6.5 | 9.0 | 7.0 | 7.4 | 7.8 | 29 | 196 | 117 | 26 | 13 | 11 |
| 24 | 11 | 6.5 | 9.0 | 7.5 | 7.5 | 7.5 | 20 | 232 | 116 | 25 | 14 | 10 |
| 25 | 11 | 9.0 | 9.0 | 7.5 | 8.0 | 8.8 | 15 | 216 | 114 | 25 | 15 | 10 |
| 26 | 11 | 9.5 | 9.0 | 7.5 | 8.0 | 9.0 | 24 | 190 | 112 | 24 | 13 | 10 |
| 27 | 10 | 8.0 | 8.5 | 7.0 | 8.8 | 8.5 | 25 | 181 | 108 | 22 | 13 | 10 |
| 28 | 10 | 6.5 | 7.5 | 7.5 | 9.2 | 7.5 | 28 | 188 | 103 | 21 | 12 | 9.6 |
| 29 | 9.6 | 6.5 | 7.0 | 7.5 | 9.2 | 8.0 | 37 | 190 | 93 | 20 | 12 | 9.2 |
| 30 | 7.8 | 7.0 | 7.5 | 8.0 | --- | 8.0 | 49 | 194 | 86 | 19 | 12 | 8.8 |
| 31 | 7.0 | --- | 8.0 | 7.5 | --- | 8.0 | --- | 194 | --- | 19 | 11 | --- |
| TOTAL | 312.4 | 266.0 | 275.5 | 249.0 | 221.1 | 265.7 | 532.9 | 4495 | 4691 | 1240 | 479 | 343.2 |
| MEAN | 10.1 | 8.87 | 8.89 | 8.03 | 7.62 | 8.57 | 17.8 | 145 | 156 | 40.0 | 15.5 | 11.4 |
| AC-FT | 620 | 528 | 546 | 494 | 439 | 527 | 1060 | 8920 | 9300 | 2460 | 950 | 681 |
| MAX | 11 | 11 | 10 | 9.5 | 9.2 | 10 | 49 | 232 | 212 | 83 | 20 | 25 |
| MIN | 7.0 | 6.5 | 7.0 | 7.0 | 6.0 | 7.4 | 7.5 | 42 | 86 | 19 | 11 | 8.8 |

CAL YR 1979 TOTAL 8524.1 MEAN 23.4 MAX 146 MIN 4.5 AC-FT 16910
WTR YR 1980 TOTAL 13370.8 MEAN 36.5 MAX 232 MIN 6.0 AC-FT 26520

MAX DISCH 246 CFS AT 1200 24-MAY-1980 GH 2.81 FT. SHIFT -0.12 FT. MAX GH 2.81 FT. AT 1200 24-MAY-1980



ARKANSAS RIVER BASIN

07114000 CUCHARAS RIVER AT BOYD RANCH, NEAR LA VETA, CO (1981)

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

DRAINAGE AREA.--56 mi².

GAGE.--Water-stage recorder. Altitude of gage is 7,781 ft.

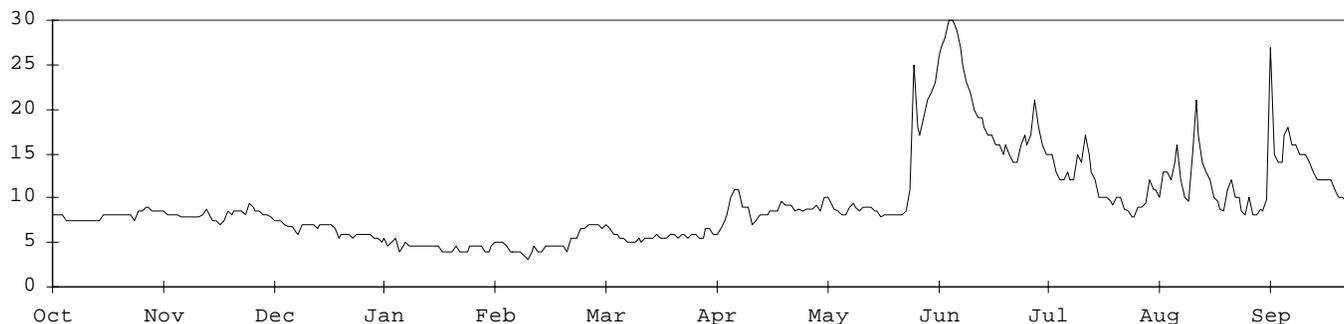
RATING TABLE.--CRBRLVCO12 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| 1 | 8.2 | 8.5 | 7.8 | 5.0 | 4.5 | 7.0 | 5.5 | 8.8 | 17 | 16 | 9.0 | 10 |
| 2 | 8.2 | 8.2 | 7.4 | 5.5 | 5.0 | 7.0 | 6.5 | 8.8 | 19 | 17 | 9.0 | 8.2 |
| 3 | 8.2 | 8.2 | 7.5 | 4.5 | 5.0 | 7.0 | 6.5 | 9.2 | 21 | 21 | 9.5 | 8.2 |
| 4 | 8.2 | 8.2 | 7.4 | 5.0 | 5.0 | 6.5 | 6.0 | 8.5 | 22 | 18 | 12 | 8.8 |
| 5 | 7.4 | 8.2 | 7.1 | 5.5 | 4.5 | 7.0 | 6.0 | 10 | 23 | 16 | 11 | 8.5 |
| 6 | 7.4 | 7.8 | 6.8 | 4.0 | 4.0 | 6.5 | 6.5 | 10 | 26 | 15 | 11 | 9.9 |
| 7 | 7.4 | 7.8 | 6.8 | 4.5 | 4.0 | 6.0 | 7.5 | 9.2 | 27 | 15 | 10 | 27 |
| 8 | 7.4 | 7.8 | 6.2 | 5.0 | 4.0 | 6.0 | 8.2 | 8.8 | 28 | 15 | 13 | 15 |
| 9 | 7.4 | 7.8 | 6.0 | 4.5 | 4.0 | 5.5 | 10 | 8.5 | 30 | 13 | 13 | 14 |
| 10 | 7.4 | 7.8 | 7.0 | 4.5 | 3.5 | 5.5 | 11 | 8.0 | 30 | 12 | 12 | 14 |
| 11 | 7.4 | 7.8 | 7.0 | 4.5 | 3.0 | 5.0 | 11 | 8.0 | 29 | 12 | 14 | 17 |
| 12 | 7.4 | 8.2 | 7.0 | 4.5 | 4.0 | 5.0 | 9.0 | 9.0 | 27 | 13 | 16 | 18 |
| 13 | 7.4 | 8.8 | 7.0 | 4.5 | 4.5 | 5.0 | 9.0 | 9.5 | 25 | 12 | 12 | 16 |
| 14 | 7.4 | 7.8 | 6.5 | 4.5 | 4.0 | 5.5 | 9.0 | 9.0 | 23 | 12 | 10 | 16 |
| 15 | 8.0 | 7.5 | 7.0 | 4.5 | 4.0 | 5.0 | 7.0 | 8.5 | 22 | 15 | 9.6 | 15 |
| 16 | 8.0 | 7.5 | 7.0 | 4.5 | 4.5 | 5.5 | 7.5 | 9.0 | 20 | 14 | 15 | 15 |
| 17 | 8.0 | 7.0 | 7.0 | 4.5 | 4.5 | 5.5 | 8.0 | 9.0 | 19 | 17 | 21 | 15 |
| 18 | 8.0 | 7.5 | 7.0 | 4.0 | 4.5 | 5.5 | 8.0 | 9.0 | 19 | 15 | 17 | 14 |
| 19 | 8.0 | 8.5 | 6.5 | 4.0 | 4.5 | 6.0 | 8.0 | 8.5 | 18 | 13 | 14 | 13 |
| 20 | 8.0 | 8.0 | 5.5 | 4.0 | 4.5 | 5.5 | 8.5 | 8.5 | 17 | 12 | 13 | 12 |
| 21 | 8.0 | 8.5 | 6.0 | 4.0 | 4.5 | 5.5 | 8.5 | 7.8 | 17 | 10 | 12 | 12 |
| 22 | 8.0 | 8.5 | 6.0 | 4.5 | 4.0 | 5.5 | 8.5 | 8.2 | 16 | 10 | 10 | 12 |
| 23 | 8.0 | 8.5 | 6.0 | 4.0 | 5.5 | 6.0 | 9.6 | 8.0 | 16 | 10 | 9.6 | 12 |
| 24 | 7.5 | 8.0 | 5.5 | 4.0 | 5.5 | 6.0 | 9.2 | 8.0 | 15 | 9.6 | 8.8 | 12 |
| 25 | 8.5 | 9.5 | 6.0 | 4.0 | 5.5 | 5.5 | 9.2 | 8.0 | 16 | 9.2 | 8.5 | 11 |
| 26 | 8.5 | 9.0 | 6.0 | 4.5 | 6.5 | 6.0 | 9.2 | 8.0 | 15 | 10 | 11 | 10 |
| 27 | 9.0 | 8.5 | 6.0 | 4.5 | 6.5 | 6.0 | 8.5 | 8.0 | 14 | 10 | 12 | 10 |
| 28 | 9.0 | 8.5 | 6.0 | 4.5 | 7.0 | 5.5 | 8.8 | 8.5 | 14 | 8.8 | 10 | 9.6 |
| 29 | 8.5 | 8.0 | 6.0 | 4.5 | --- | 6.0 | 8.5 | 11 | 16 | 8.5 | 10 | 9.6 |
| 30 | 8.5 | 8.0 | 5.5 | 4.0 | --- | 6.0 | 8.8 | 25 | 17 | 7.8 | 8.5 | 10 |
| 31 | 8.5 | --- | 5.5 | 4.0 | --- | 5.5 | --- | 18 | --- | 7.8 | 8.2 | --- |
| TOTAL | 246.8 | 243.9 | 202.0 | 138.0 | 130.5 | 181.0 | 247.5 | 296.3 | 618 | 394.7 | 359.7 | 382.8 |
| MEAN | 7.96 | 8.13 | 6.52 | 4.45 | 4.66 | 5.84 | 8.25 | 9.56 | 20.6 | 12.7 | 11.6 | 12.8 |
| AC-FT | 490 | 484 | 401 | 274 | 259 | 359 | 491 | 588 | 1230 | 783 | 713 | 759 |
| MAX | 9.0 | 9.5 | 7.8 | 5.5 | 7.0 | 7.0 | 11 | 25 | 30 | 21 | 21 | 27 |
| MIN | 7.4 | 7.0 | 5.5 | 4.0 | 3.0 | 5.0 | 5.5 | 7.8 | 14 | 7.8 | 8.2 | 8.2 |

CAL YR 1980 TOTAL 13209.6 MEAN 36.1 MAX 232 MIN 5.5 AC-FT 26200
WTR YR 1981 TOTAL 3441.2 MEAN 9.43 MAX 30 MIN 3.0 AC-FT 6830

MAX DISCH 91 CFS AT 2400 02-JUL-1981 GH 2.04 FT. SHIFT -0.11 FT. MAX GH 2.04 FT. AT 2400 02-JUL-1981



ARKANSAS RIVER BASIN

07114000 CUCCHARAS RIVER AT BOYD RANCH, NEAR LA VETA, CO (1982)

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch , 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

DRAINAGE AREA.--56 mi².

GAGE.--Water-stage recorder. Altitude of gage is 7,781 ft.

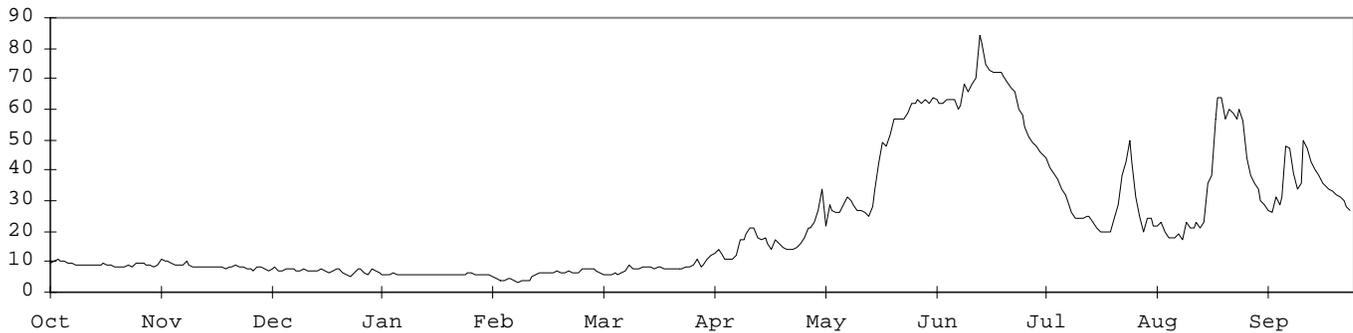
RATING TABLE.--CRBRLVCO12 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1 | 9.6 | 11 | 7.0 | 6.5 | 5.5 | 7.5 | 8.5 | 21 | 63 | 54 | 31 | 44 |
| 2 | 10 | 10 | 7.5 | 6.0 | 5.0 | 7.5 | 9.2 | 21 | 62 | 51 | 25 | 38 |
| 3 | 11 | 10 | 8.0 | 6.0 | 4.5 | 7.0 | 11 | 23 | 63 | 49 | 20 | 36 |
| 4 | 10 | 9.6 | 7.0 | 6.0 | 4.0 | 6.5 | 12 | 27 | 62 | 48 | 24 | 34 |
| 5 | 10 | 8.8 | 7.1 | 6.5 | 4.0 | 5.9 | 13 | 34 | 64 | 46 | 24 | 30 |
| 6 | 9.6 | 9.2 | 7.4 | 6.0 | 4.5 | 6.0 | 14 | 22 | 63 | 45 | 22 | 29 |
| 7 | 9.6 | 9.2 | 7.4 | 5.5 | 4.5 | 6.0 | 12 | 29 | 62 | 44 | 22 | 27 |
| 8 | 9.2 | 10 | 7.4 | 6.0 | 4.0 | 6.5 | 11 | 27 | 62 | 41 | 23 | 26 |
| 9 | 9.2 | 8.8 | 7.0 | 6.0 | 3.5 | 5.9 | 11 | 26 | 63 | 39 | 20 | 31 |
| 10 | 8.8 | 8.5 | 7.1 | 6.0 | 4.0 | 6.2 | 11 | 26 | 63 | 37 | 18 | 29 |
| 11 | 8.8 | 8.2 | 7.4 | 6.0 | 4.0 | 6.8 | 12 | 29 | 63 | 34 | 18 | 31 |
| 12 | 9.2 | 8.2 | 7.1 | 6.0 | 4.0 | 9.2 | 17 | 31 | 60 | 32 | 18 | 48 |
| 13 | 9.2 | 8.5 | 7.1 | 5.5 | 5.0 | 7.8 | 17 | 30 | 61 | 30 | 19 | 47 |
| 14 | 9.2 | 8.5 | 7.0 | 5.5 | 6.0 | 7.8 | 19 | 29 | 68 | 26 | 17 | 39 |
| 15 | 9.2 | 8.5 | 7.0 | 6.0 | 6.5 | 7.4 | 21 | 27 | 66 | 24 | 23 | 34 |
| 16 | 9.6 | 8.5 | 7.5 | 5.5 | 6.5 | 8.2 | 21 | 27 | 68 | 24 | 21 | 36 |
| 17 | 9.2 | 8.5 | 7.0 | 6.0 | 6.5 | 8.2 | 18 | 26 | 70 | 24 | 21 | 50 |
| 18 | 8.8 | 8.2 | 6.5 | 6.0 | 6.5 | 8.2 | 17 | 25 | 84 | 25 | 23 | 47 |
| 19 | 8.5 | 7.8 | 7.0 | 6.0 | 6.5 | 7.4 | 18 | 28 | 82 | 25 | 21 | 43 |
| 20 | 8.5 | 8.0 | 7.4 | 6.0 | 7.0 | 8.2 | 16 | 33 | 75 | 23 | 23 | 40 |
| 21 | 8.5 | 8.5 | 7.4 | 5.5 | 6.5 | 8.2 | 14 | 42 | 73 | 21 | 36 | 38 |
| 22 | 8.5 | 8.8 | 6.5 | 5.5 | 6.5 | 7.8 | 17 | 49 | 72 | 20 | 38 | 36 |
| 23 | 8.8 | 8.5 | 5.5 | 5.5 | 7.0 | 7.4 | 16 | 48 | 72 | 20 | 57 | 35 |
| 24 | 8.5 | 8.2 | 5.0 | 6.0 | 6.5 | 7.4 | 15 | 52 | 72 | 20 | 64 | 34 |
| 25 | 9.6 | 7.8 | 6.5 | 6.0 | 6.5 | 7.8 | 14 | 57 | 71 | 20 | 64 | 33 |
| 26 | 9.6 | 7.4 | 7.5 | 6.5 | 6.5 | 7.8 | 14 | 57 | 69 | 24 | 57 | 32 |
| 27 | 9.6 | 7.0 | 7.5 | 6.5 | 7.5 | 7.8 | 14 | 57 | 67 | 29 | 60 | 31 |
| 28 | 9.2 | 8.0 | 6.5 | 6.0 | 7.5 | 8.2 | 15 | 57 | 66 | 38 | 59 | 30 |
| 29 | 8.8 | 8.5 | 6.0 | 6.0 | --- | 8.5 | 16 | 59 | 60 | 43 | 57 | 28 |
| 30 | 8.5 | 7.5 | 7.5 | 5.5 | --- | 8.8 | 18 | 62 | 58 | 50 | 60 | 27 |
| 31 | 9.2 | --- | 7.0 | 5.5 | --- | 11 | --- | 62 | --- | 43 | 56 | --- |
| TOTAL | 286.0 | 258.2 | 216.8 | 183.5 | 156.5 | 234.9 | 441.7 | 1143 | 2004 | 1049 | 1041 | 1063 |
| MEAN | 9.23 | 8.61 | 6.99 | 5.92 | 5.59 | 7.58 | 14.7 | 36.9 | 66.8 | 33.8 | 33.6 | 35.4 |
| AC-FT | 567 | 512 | 430 | 364 | 310 | 466 | 876 | 2270 | 3970 | 2080 | 2060 | 2110 |
| MAX | 11 | 11 | 8.0 | 6.5 | 7.5 | 11 | 21 | 62 | 84 | 54 | 64 | 50 |
| MIN | 8.5 | 7.0 | 5.0 | 5.5 | 3.5 | 5.9 | 8.5 | 21 | 58 | 20 | 17 | 26 |

CAL YR 1981 TOTAL 3509.5 MEAN 9.62 MAX 30 MIN 3.0 AC-FT 6960
WTR YR 1982 TOTAL 8077.6 MEAN 22.1 MAX 84 MIN 3.5 AC-FT 16020

MAX DISCH 96 CFS AT 18-JUN-1982 GH 2.08 FT. SHIFT -0.12 FT. MAX GH 2.08 FT. AT 18-JUN-1982



ARKANSAS RIVER BASIN

07114000 CUCCHARAS RIVER AT BOYD RANCH, NEAR LA VETA, CO (1983)

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

DRAINAGE AREA.--56 mi².

GAGE.--Water-stage recorder. Altitude of gage is 7,781 ft.

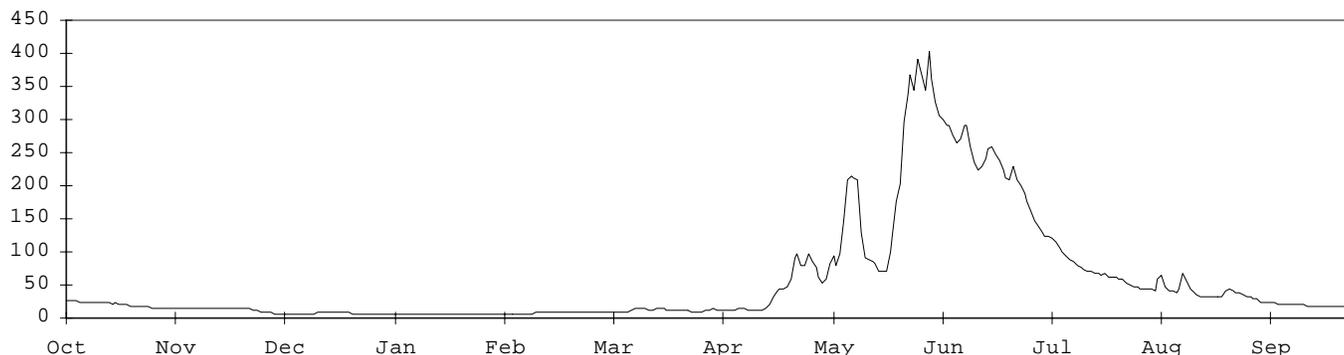
RATING TABLE.--CRBRLVCO12 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|-------|------|------|-------|------|------|------|
| 1 | 27 | 15 | 7.0 | 6.0 | 6.0 | 9.5 | 13 | 75 | 345 | 162 | 45 | 32 |
| 2 | 27 | 15 | 7.0 | 6.0 | 6.0 | 9.5 | 15 | 62 | 403 | 148 | 45 | 30 |
| 3 | 26 | 15 | 7.0 | 6.0 | 6.0 | 9.5 | 13 | 52 | 361 | 138 | 44 | 28 |
| 4 | 26 | 15 | 7.0 | 6.0 | 6.0 | 9.5 | 13 | 59 | 325 | 130 | 43 | 25 |
| 5 | 25 | 15 | 7.0 | 6.0 | 6.0 | 9.5 | 12 | 83 | 307 | 125 | 41 | 25 |
| 6 | 24 | 15 | 7.0 | 7.0 | 6.0 | 9.5 | 12 | 95 | 300 | 123 | 58 | 24 |
| 7 | 24 | 15 | 7.0 | 7.0 | 6.0 | 9.5 | 12 | 80 | 290 | 121 | 64 | 23 |
| 8 | 24 | 15 | 7.0 | 7.0 | 6.0 | 9.5 | 13 | 96 | 292 | 114 | 46 | 23 |
| 9 | 23 | 15 | 7.0 | 7.0 | 6.0 | 10 | 14 | 146 | 277 | 105 | 42 | 22 |
| 10 | 23 | 15 | 7.0 | 7.0 | 6.0 | 11 | 15 | 210 | 265 | 101 | 40 | 22 |
| 11 | 25 | 16 | 7.5 | 7.0 | 7.5 | 14 | 14 | 216 | 272 | 93 | 39 | 22 |
| 12 | 24 | 14 | 7.5 | 7.0 | 7.5 | 15 | 13 | 212 | 292 | 89 | 44 | 21 |
| 13 | 23 | 14 | 7.5 | 7.0 | 7.5 | 15 | 12 | 210 | 290 | 84 | 68 | 21 |
| 14 | 22 | 14 | 7.5 | 7.0 | 7.5 | 15 | 12 | 130 | 260 | 80 | 56 | 21 |
| 15 | 23 | 14 | 7.5 | 7.0 | 7.5 | 12 | 12 | 90 | 236 | 75 | 44 | 20 |
| 16 | 22 | 15 | 7.5 | 7.0 | 7.5 | 11 | 12 | 88 | 223 | 73 | 37 | 20 |
| 17 | 20 | 15 | 7.5 | 7.0 | 7.5 | 15 | 14 | 85 | 230 | 70 | 35 | 19 |
| 18 | 20 | 15 | 7.5 | 7.0 | 7.5 | 14 | 20 | 83 | 241 | 70 | 33 | 19 |
| 19 | 19 | 15 | 7.5 | 7.0 | 7.5 | 14 | 32 | 72 | 255 | 67 | 33 | 18 |
| 20 | 18 | 15 | 7.5 | 7.0 | 7.5 | 12 | 40 | 72 | 258 | 67 | 32 | 19 |
| 21 | 18 | 14 | 5.5 | 6.5 | 9.0 | 11 | 44 | 72 | 248 | 64 | 31 | 19 |
| 22 | 17 | 14 | 5.5 | 6.5 | 9.0 | 11 | 45 | 100 | 239 | 67 | 31 | 18 |
| 23 | 17 | 12 | 5.5 | 6.5 | 9.0 | 12 | 46 | 127 | 225 | 63 | 31 | 18 |
| 24 | 17 | 11 | 5.5 | 6.5 | 9.0 | 12 | 60 | 175 | 212 | 62 | 32 | 18 |
| 25 | 16 | 9.2 | 5.5 | 6.5 | 9.0 | 12 | 91 | 202 | 210 | 62 | 40 | 18 |
| 26 | 16 | 8.5 | 5.5 | 6.5 | 9.0 | 11 | 96 | 297 | 230 | 59 | 43 | 17 |
| 27 | 16 | 8.0 | 5.5 | 6.5 | 9.0 | 10 | 80 | 338 | 210 | 59 | 42 | 17 |
| 28 | 15 | 7.5 | 5.5 | 6.5 | 9.0 | 10 | 78 | 369 | 201 | 54 | 39 | 17 |
| 29 | 15 | 7.0 | 5.5 | 6.5 | --- | 9.6 | 98 | 345 | 188 | 49 | 37 | 17 |
| 30 | 15 | 7.0 | 5.5 | 6.5 | --- | 10 | 86 | 392 | 175 | 46 | 35 | 17 |
| 31 | 14 | --- | 5.5 | 6.5 | --- | 13 | --- | 369 | --- | 46 | 33 | --- |
| TOTAL | 641 | 395.2 | 205.5 | 206.5 | 207.0 | 355.6 | 1037 | 5002 | 7860 | 2666 | 1283 | 630 |
| MEAN | 20.7 | 13.2 | 6.63 | 6.66 | 7.39 | 11.5 | 34.6 | 161 | 262 | 86.0 | 41.4 | 21.0 |
| AC-FT | 1270 | 784 | 408 | 410 | 411 | 705 | 2060 | 9920 | 15590 | 5290 | 2540 | 1250 |
| MAX | 27 | 16 | 7.5 | 7.0 | 9.0 | 15 | 98 | 392 | 403 | 162 | 68 | 32 |
| MIN | 14 | 7.0 | 5.5 | 6.0 | 6.0 | 9.5 | 12 | 52 | 175 | 46 | 31 | 17 |

CAL YR 1982 TOTAL 8558.3 MEAN 23.4 MAX 84 MIN 3.5 AC-FT 16980
WTR YR 1983 TOTAL 20488.8 MEAN 56.1 MAX 403 MIN 5.5 AC-FT 40640

MAX DISCH 426 CFS AT 1900 30-MAY-1983 GH 3.50 FT. SHIFT -0.10 FT. MAX GH 3.50 FT. AT 1900 30-MAY-1983



ARKANSAS RIVER BASIN

07114000 CUCCHARAS RIVER AT BOYD RANCH, NEAR LA VETA, CO (1984)

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch , 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

DRAINAGE AREA.--56 mi².

GAGE.--Water-stage recorder. Altitude of gage is 7,781 ft.

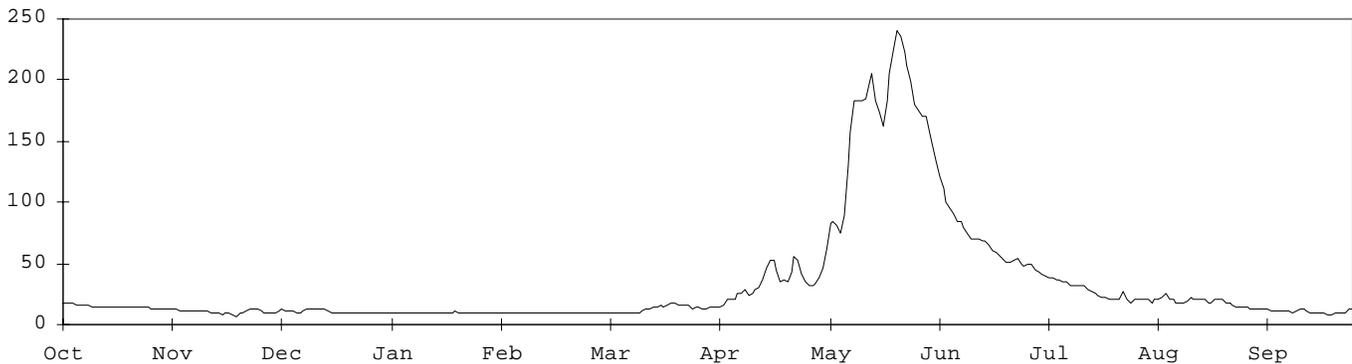
RATING TABLE.--CRBRLVCO12 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|
| 1 | 17 | 12 | 11 | 9.0 | 10 | 10 | 14 | 33 | 170 | 49 | 21 | 13 |
| 2 | 17 | 12 | 12 | 9.0 | 10 | 10 | 14 | 38 | 162 | 44 | 21 | 13 |
| 3 | 17 | 11 | 11 | 9.0 | 10 | 10 | 14 | 46 | 148 | 43 | 20 | 13 |
| 4 | 17 | 11 | 11 | 10 | 10 | 9.0 | 14 | 62 | 134 | 41 | 18 | 12 |
| 5 | 16 | 11 | 11 | 10 | 10 | 9.0 | 16 | 83 | 121 | 40 | 20 | 12 |
| 6 | 16 | 11 | 10 | 10 | 10 | 9.0 | 20 | 84 | 112 | 39 | 21 | 12 |
| 7 | 16 | 11 | 10 | 10 | 10 | 9.0 | 21 | 81 | 100 | 38 | 23 | 11 |
| 8 | 16 | 11 | 11 | 10 | 10 | 9.0 | 21 | 75 | 95 | 36 | 25 | 11 |
| 9 | 15 | 11 | 12 | 10 | 10 | 10 | 25 | 89 | 90 | 36 | 20 | 11 |
| 10 | 15 | 11 | 12 | 10 | 10 | 10 | 25 | 130 | 85 | 35 | 20 | 11 |
| 11 | 15 | 11 | 12 | 10 | 10 | 10 | 28 | 158 | 85 | 35 | 18 | 11 |
| 12 | 15 | 10 | 12 | 9.0 | 10 | 10 | 24 | 183 | 80 | 32 | 17 | 11 |
| 13 | 15 | 10 | 12 | 9.0 | 10 | 11 | 25 | 183 | 75 | 32 | 18 | 10 |
| 14 | 15 | 10 | 12 | 9.0 | 10 | 12 | 28 | 183 | 70 | 32 | 19 | 11 |
| 15 | 15 | 8.5 | 11 | 9.0 | 10 | 13 | 31 | 185 | 70 | 32 | 23 | 12 |
| 16 | 14 | 9.2 | 10 | 9.0 | 10 | 14 | 36 | 199 | 70 | 32 | 21 | 12 |
| 17 | 15 | 9.2 | 10 | 9.0 | 10 | 15 | 46 | 205 | 69 | 29 | 20 | 11 |
| 18 | 14 | 8.5 | 10 | 9.0 | 9.0 | 16 | 52 | 183 | 69 | 27 | 20 | 10 |
| 19 | 14 | 6.6 | 10 | 10 | 9.0 | 15 | 52 | 173 | 66 | 25 | 20 | 9.6 |
| 20 | 15 | 9.0 | 10 | 11 | 9.0 | 16 | 45 | 162 | 60 | 24 | 18 | 9.6 |
| 21 | 14 | 10 | 9.0 | 10 | 10 | 17 | 35 | 183 | 59 | 23 | 18 | 8.8 |
| 22 | 14 | 11 | 9.0 | 9.0 | 10 | 17 | 36 | 205 | 55 | 22 | 20 | 8.8 |
| 23 | 14 | 12 | 9.0 | 9.0 | 10 | 16 | 35 | 223 | 54 | 21 | 21 | 8.5 |
| 24 | 14 | 12 | 9.0 | 10 | 10 | 16 | 43 | 241 | 51 | 21 | 21 | 8.5 |
| 25 | 14 | 12 | 10 | 10 | 10 | 16 | 55 | 236 | 51 | 20 | 18 | 8.8 |
| 26 | 13 | 11 | 10 | 10 | 9.0 | 16 | 52 | 223 | 52 | 21 | 17 | 9.2 |
| 27 | 13 | 10 | 10 | 10 | 9.0 | 13 | 41 | 212 | 54 | 27 | 16 | 9.2 |
| 28 | 13 | 10 | 9.0 | 10 | 10 | 15 | 35 | 199 | 50 | 20 | 15 | 9.6 |
| 29 | 12 | 10 | 9.0 | 10 | 10 | 15 | 32 | 180 | 48 | 18 | 15 | 12 |
| 30 | 12 | 10 | 9.0 | 10 | --- | 13 | 32 | 175 | 49 | 20 | 15 | 12 |
| 31 | 12 | --- | 10 | 10 | --- | 13 | --- | 170 | --- | 21 | 14 | --- |
| TOTAL | 454 | 312.0 | 323.0 | 299.0 | 285.0 | 394.0 | 947 | 4782 | 2454 | 935 | 593 | 321.6 |
| MEAN | 14.6 | 10.4 | 10.4 | 9.65 | 9.83 | 12.7 | 31.6 | 154 | 81.8 | 30.2 | 19.1 | 10.7 |
| AC-FT | 901 | 619 | 641 | 593 | 565 | 781 | 1880 | 9490 | 4870 | 1850 | 1180 | 638 |
| MAX | 17 | 12 | 12 | 11 | 10 | 17 | 55 | 241 | 170 | 49 | 25 | 13 |
| MIN | 12 | 6.6 | 9.0 | 9.0 | 9.0 | 9.0 | 14 | 33 | 48 | 18 | 14 | 8.5 |

CAL YR 1983 TOTAL 20336.1 MEAN 55.7 MAX 403 MIN 6.0 AC-FT 40340
WTR YR 1984 TOTAL 12099.6 MEAN 33.1 MAX 241 MIN 6.6 AC-FT 24000

MAX DISCH 246 CFS AT 0800 25-MAY-1984 GH 2.76 FT. SHIFT -0.07 FT. MAX GH 2.76 FT. AT 0800 25-MAY-1984



ARKANSAS RIVER BASIN

07114000 CUCHARAS RIVER AT BOYD RANCH, NEAR LA VETA, CO (1985)

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

DRAINAGE AREA.--56 mi².

GAGE.--Water-stage recorder. Altitude of gage is 7,781 ft.

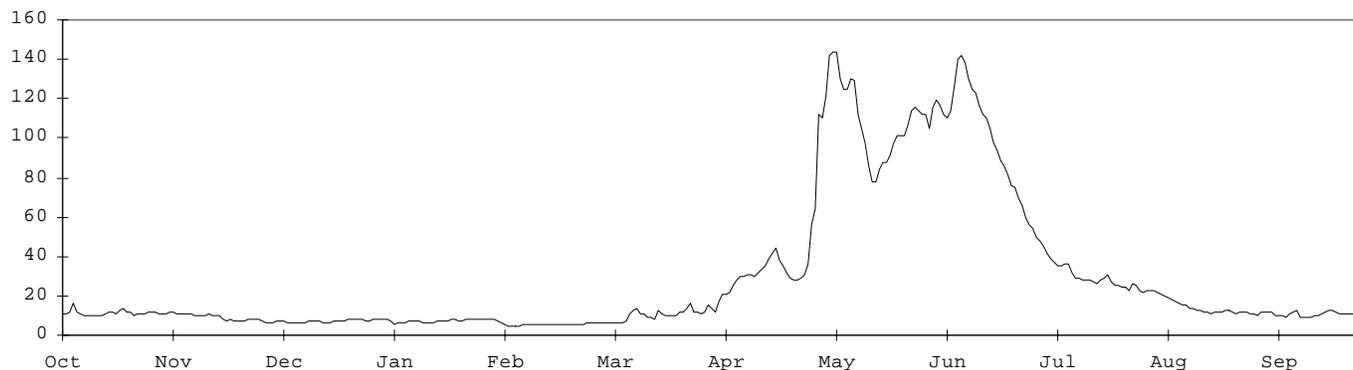
RATING TABLE.--CRBRLVCO12 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|
| 1 | 11 | 12 | 7.0 | 7.0 | 6.0 | 6.6 | 14 | 112 | 105 | 50 | 23 | 10 |
| 2 | 11 | 11 | 7.0 | 5.5 | 5.0 | 6.6 | 12 | 110 | 116 | 48 | 23 | 12 |
| 3 | 12 | 11 | 6.5 | 6.0 | 4.5 | 6.6 | 17 | 121 | 119 | 45 | 23 | 12 |
| 4 | 16 | 11 | 6.0 | 6.4 | 4.6 | 6.4 | 21 | 142 | 117 | 42 | 22 | 12 |
| 5 | 12 | 11 | 6.0 | 6.6 | 4.6 | 6.4 | 21 | 144 | 112 | 39 | 21 | 12 |
| 6 | 11 | 11 | 6.0 | 6.8 | 4.8 | 6.4 | 22 | 144 | 110 | 37 | 20 | 10 |
| 7 | 10 | 10 | 6.4 | 6.8 | 5.0 | 6.5 | 25 | 130 | 114 | 35 | 19 | 10 |
| 8 | 10 | 10 | 6.6 | 6.8 | 5.4 | 6.8 | 28 | 125 | 127 | 35 | 18 | 10 |
| 9 | 10 | 9.6 | 6.8 | 6.8 | 5.4 | 11 | 30 | 125 | 140 | 36 | 17 | 9.2 |
| 10 | 10 | 10 | 7.0 | 6.6 | 5.2 | 13 | 30 | 130 | 142 | 36 | 16 | 11 |
| 11 | 9.6 | 11 | 7.4 | 6.4 | 5.0 | 14 | 31 | 129 | 138 | 32 | 15 | 12 |
| 12 | 9.6 | 10 | 7.0 | 6.0 | 5.2 | 11 | 31 | 112 | 130 | 29 | 15 | 13 |
| 13 | 11 | 10 | 6.0 | 6.4 | 5.4 | 11 | 30 | 105 | 125 | 29 | 14 | 9.2 |
| 14 | 12 | 10 | 6.0 | 6.8 | 5.4 | 9.2 | 32 | 98 | 123 | 28 | 14 | 8.8 |
| 15 | 12 | 8.0 | 6.4 | 7.0 | 5.4 | 9.2 | 33 | 86 | 117 | 28 | 13 | 8.8 |
| 16 | 11 | 7.5 | 6.8 | 7.2 | 5.6 | 8.5 | 35 | 78 | 112 | 28 | 13 | 9.2 |
| 17 | 13 | 8.0 | 7.0 | 7.6 | 5.6 | 13 | 39 | 78 | 110 | 27 | 12 | 9.6 |
| 18 | 14 | 7.5 | 7.0 | 8.4 | 5.6 | 11 | 42 | 84 | 105 | 26 | 12 | 10 |
| 19 | 12 | 7.0 | 7.4 | 8.0 | 5.6 | 10 | 44 | 88 | 98 | 28 | 11 | 11 |
| 20 | 12 | 7.0 | 8.2 | 7.6 | 5.6 | 10 | 38 | 88 | 94 | 29 | 12 | 12 |
| 21 | 10 | 7.5 | 8.2 | 7.6 | 5.6 | 10 | 35 | 91 | 89 | 31 | 12 | 13 |
| 22 | 11 | 8.0 | 8.0 | 8.0 | 5.6 | 10 | 32 | 98 | 86 | 27 | 12 | 13 |
| 23 | 11 | 8.0 | 8.0 | 8.2 | 5.4 | 12 | 29 | 101 | 81 | 25 | 13 | 12 |
| 24 | 11 | 8.0 | 8.0 | 8.4 | 5.6 | 12 | 28 | 101 | 76 | 25 | 13 | 11 |
| 25 | 12 | 8.0 | 7.6 | 8.4 | 6.0 | 14 | 28 | 101 | 75 | 24 | 12 | 11 |
| 26 | 12 | 7.0 | 7.6 | 8.4 | 6.0 | 16 | 29 | 107 | 70 | 24 | 11 | 11 |
| 27 | 12 | 6.0 | 8.0 | 8.4 | 6.2 | 12 | 31 | 114 | 66 | 23 | 12 | 11 |
| 28 | 11 | 6.0 | 8.0 | 8.2 | 6.2 | 12 | 36 | 116 | 60 | 26 | 12 | 11 |
| 29 | 11 | 6.5 | 8.0 | 8.2 | --- | 11 | 56 | 114 | 56 | 25 | 12 | 12 |
| 30 | 11 | 7.0 | 8.0 | 8.0 | --- | 12 | 64 | 112 | 54 | 23 | 11 | 11 |
| 31 | 12 | --- | 8.0 | 7.0 | --- | 15 | --- | 112 | --- | 22 | 11 | --- |
| TOTAL | 353.2 | 264.6 | 221.9 | 225.5 | 151.5 | 319.2 | 943 | 3396 | 3067 | 962 | 464 | 327.8 |
| MEAN | 11.4 | 8.82 | 7.16 | 7.27 | 5.41 | 10.3 | 31.4 | 110 | 102 | 31.0 | 15.0 | 10.9 |
| AC-FT | 701 | 525 | 440 | 447 | 301 | 633 | 1870 | 6740 | 6080 | 1910 | 920 | 650 |
| MAX | 16 | 12 | 8.2 | 8.4 | 6.2 | 16 | 64 | 144 | 142 | 50 | 23 | 13 |
| MIN | 9.6 | 6.0 | 6.0 | 5.5 | 4.5 | 6.4 | 12 | 78 | 54 | 22 | 11 | 8.8 |

CAL YR 1984 TOTAL 11850.3 MEAN 32.4 MAX 241 MIN 6.0 AC-FT 23510
WTR YR 1985 TOTAL 10695.7 MEAN 29.3 MAX 144 MIN 4.5 AC-FT 21210

MAX DISCH 152 CFS AT 0200 05-MAY-1985 GH 2.39 FT. SHIFT -0.03 FT. MAX GH 2.45 FT. AT 2300 09-JUN-1985



ARKANSAS RIVER BASIN

07114000 CUCHARAS RIVER AT BOYD RANCH, NEAR LA VETA, CO (1986)

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

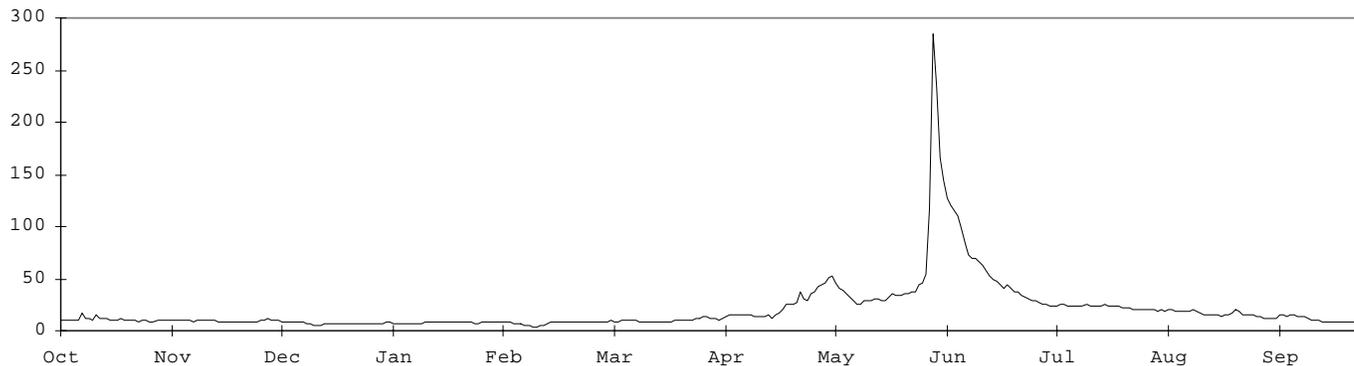
DRAINAGE AREA.--56 mi².

GAGE.--Water-stage recorder. Altitude of gage is 7,781 ft.

RATING TABLE.--CRBRLVCO12 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|---------|-------|-------|-------|-------|-------|------|------|-------|-------|------|-------|
| 1 | 11 | 11 | 9.4 | 7.8 | 8.6 | 9.2 | 12 | 42 | 117 | 28 | 20 | 14 |
| 2 | 11 | 11 | 9.2 | 7.6 | 8.4 | 9.2 | 12 | 44 | 284 | 27 | 20 | 13 |
| 3 | 11 | 11 | 9.0 | 7.6 | 8.4 | 9.2 | 11 | 45 | 234 | 26 | 20 | 12 |
| 4 | 11 | 11 | 9.0 | 7.6 | 8.0 | 9.4 | 12 | 51 | 166 | 25 | 19 | 12 |
| 5 | 11 | 11 | 8.6 | 7.4 | 7.6 | 9.2 | 14 | 52 | 144 | 24 | 20 | 12 |
| 6 | 11 | 11 | 8.2 | 7.4 | 7.0 | 9.2 | 15 | 45 | 127 | 24 | 19 | 12 |
| 7 | 17 | 9.3 | 8.2 | 7.4 | 6.4 | 9.4 | 16 | 41 | 121 | 23 | 20 | 15 |
| 8 | 12 | 10 | 7.9 | 7.4 | 5.6 | 9.6 | 15 | 39 | 116 | 26 | 20 | 15 |
| 9 | 12 | 10 | 7.6 | 7.6 | 4.5 | 10 | 15 | 35 | 110 | 25 | 19 | 14 |
| 10 | 11 | 9.6 | 6.6 | 7.6 | 4.0 | 9.6 | 15 | 32 | 98 | 24 | 19 | 15 |
| 11 | 16 | 10 | 5.2 | 7.8 | 4.2 | 9.4 | 15 | 28 | 84 | 24 | 19 | 16 |
| 12 | 12 | 10 | 5.6 | 7.8 | 4.7 | 9.2 | 15 | 26 | 73 | 23 | 19 | 13 |
| 13 | 12 | 11 | 5.8 | 8.0 | 5.8 | 9.0 | 14 | 26 | 70 | 23 | 19 | 13 |
| 14 | 12 | 9.2 | 6.2 | 8.4 | 7.2 | 9.0 | 14 | 28 | 69 | 24 | 20 | 14 |
| 15 | 11 | 9.2 | 6.4 | 8.6 | 7.8 | 8.8 | 13 | 28 | 66 | 25 | 18 | 12 |
| 16 | 11 | 8.5 | 6.4 | 8.8 | 7.8 | 8.8 | 14 | 29 | 62 | 24 | 17 | 11 |
| 17 | 11 | 8.3 | 6.6 | 8.8 | 8.0 | 8.6 | 15 | 30 | 57 | 23 | 16 | 11 |
| 18 | 12 | 8.3 | 6.8 | 9.0 | 8.0 | 8.2 | 12 | 31 | 52 | 23 | 16 | 9.6 |
| 19 | 11 | 8.2 | 6.8 | 9.0 | 8.2 | 7.8 | 15 | 29 | 50 | 24 | 16 | 8.8 |
| 20 | 11 | 8.2 | 7.2 | 8.8 | 8.2 | 8.0 | 17 | 28 | 48 | 25 | 15 | 8.5 |
| 21 | 10 | 8.4 | 7.4 | 8.6 | 8.0 | 8.8 | 21 | 32 | 44 | 24 | 15 | 8.5 |
| 22 | 9.6 | 8.4 | 7.4 | 8.4 | 8.0 | 9.6 | 26 | 35 | 41 | 24 | 14 | 8.8 |
| 23 | 9.3 | 8.6 | 7.6 | 8.2 | 8.2 | 10 | 26 | 34 | 44 | 23 | 16 | 8.2 |
| 24 | 9.6 | 8.8 | 7.4 | 8.0 | 8.4 | 11 | 25 | 34 | 40 | 23 | 16 | 8.2 |
| 25 | 9.6 | 9.0 | 7.6 | 7.6 | 8.6 | 11 | 27 | 35 | 37 | 22 | 17 | 8.6 |
| 26 | 9.3 | 9.6 | 7.6 | 7.6 | 8.6 | 11 | 38 | 36 | 37 | 22 | 21 | 8.6 |
| 27 | 9.3 | 9.6 | 7.4 | 7.8 | 8.8 | 11 | 30 | 37 | 34 | 22 | 19 | 8.6 |
| 28 | 9.6 | 12 | 7.6 | 8.2 | 9.0 | 12 | 29 | 38 | 32 | 21 | 16 | 9.0 |
| 29 | 9.6 | 10 | 7.6 | 8.4 | --- | 12 | 35 | 44 | 30 | 21 | 15 | 9.0 |
| 30 | 9.6 | 9.4 | 7.6 | 8.6 | --- | 13 | 38 | 45 | 29 | 21 | 15 | 12 |
| 31 | 10 | --- | 7.8 | 8.6 | --- | 13 | --- | 55 | --- | 21 | 16 | --- |
| TOTAL | 342.5 | 289.6 | 229.7 | 250.4 | 206.0 | 303.2 | 576 | 1134 | 2516 | 734 | 551 | 340.4 |
| MEAN | 11.0 | 9.65 | 7.41 | 8.08 | 7.36 | 9.78 | 19.2 | 36.6 | 83.9 | 23.7 | 17.8 | 11.3 |
| AC-FT | 679 | 574 | 456 | 497 | 409 | 601 | 1140 | 2250 | 4990 | 1460 | 1090 | 675 |
| MAX | 17 | 12 | 9.4 | 9.0 | 9.0 | 13 | 38 | 55 | 284 | 28 | 21 | 16 |
| MIN | 9.3 | 8.2 | 5.2 | 7.4 | 4.0 | 7.8 | 11 | 26 | 29 | 21 | 14 | 8.2 |
| CAL YR 1985 TOTAL | 10717.8 | | MEAN | 29.4 | MAX | 144 | MIN | 4.5 | AC-FT | 21260 | | |
| WTR YR 1986 TOTAL | 7472.8 | | MEAN | 20.5 | MAX | 284 | MIN | 4.0 | AC-FT | 14820 | | |



ARKANSAS RIVER BASIN

07114000 CUCHARAS RIVER AT BOYD RANCH, NEAR LA VETA, CO (1987)

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

DRAINAGE AREA.--56 mi².

GAGE.--Water-stage recorder. Altitude of gage is 7,781 ft.

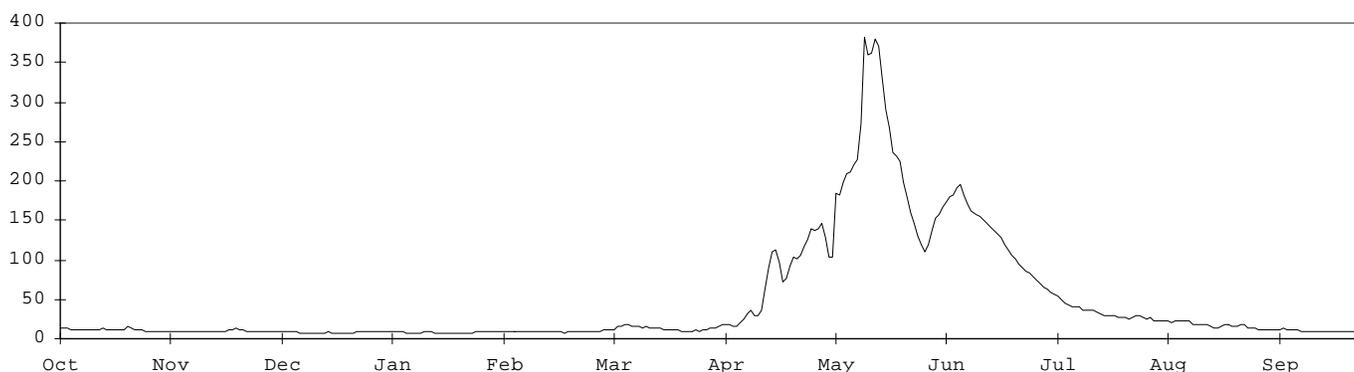
RATING TABLE.-- CRBRLVCO12 USED FROM 01-OCT-1986 TO 14-MAY-1987
CRBRLVCO13 USED FROM 15-MAY-1987 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|------|------|-------|------|------|------|-------|
| 1 | 13 | 9.2 | 9.0 | 9.4 | 8.6 | 10 | 13 | 140 | 120 | 74 | 25 | 12 |
| 2 | 13 | 9.2 | 9.0 | 9.6 | 8.6 | 11 | 14 | 146 | 136 | 70 | 27 | 12 |
| 3 | 13 | 9.6 | 9.0 | 9.6 | 8.6 | 11 | 16 | 128 | 152 | 65 | 23 | 12 |
| 4 | 12 | 10 | 9.0 | 9.6 | 8.6 | 12 | 17 | 104 | 158 | 62 | 23 | 12 |
| 5 | 12 | 9.2 | 9.0 | 9.0 | 8.2 | 12 | 18 | 104 | 166 | 58 | 22 | 12 |
| 6 | 12 | 10 | 8.4 | 7.8 | 8.4 | 15 | 17 | 185 | 172 | 56 | 22 | 12 |
| 7 | 11 | 9.6 | 7.4 | 7.0 | 9.0 | 16 | 16 | 183 | 179 | 53 | 22 | 12 |
| 8 | 11 | 9.8 | 7.0 | 7.2 | 9.0 | 18 | 16 | 198 | 181 | 50 | 21 | 13 |
| 9 | 11 | 10 | 6.4 | 7.6 | 9.3 | 18 | 20 | 209 | 191 | 46 | 23 | 12 |
| 10 | 11 | 10 | 6.6 | 7.8 | 9.3 | 16 | 25 | 212 | 195 | 43 | 22 | 11 |
| 11 | 12 | 9.4 | 7.0 | 8.2 | 9.4 | 15 | 32 | 220 | 183 | 41 | 22 | 11 |
| 12 | 12 | 8.6 | 7.4 | 8.4 | 9.2 | 15 | 36 | 227 | 170 | 40 | 22 | 11 |
| 13 | 13 | 9.4 | 7.4 | 9.0 | 9.2 | 14 | 29 | 272 | 162 | 40 | 22 | 10 |
| 14 | 12 | 9.6 | 7.6 | 6.6 | 8.8 | 15 | 30 | 383 | 158 | 37 | 19 | 10 |
| 15 | 12 | 9.6 | 8.0 | 6.0 | 8.6 | 14 | 37 | 359 | 154 | 36 | 18 | 9.8 |
| 16 | 12 | 10 | 7.4 | 5.8 | 8.2 | 14 | 63 | 362 | 150 | 35 | 17 | 9.6 |
| 17 | 12 | 11 | 7.4 | 6.4 | 8.2 | 14 | 89 | 380 | 145 | 35 | 17 | 9.6 |
| 18 | 11 | 11 | 7.4 | 7.0 | 8.0 | 13 | 110 | 371 | 141 | 33 | 17 | 9.4 |
| 19 | 12 | 13 | 7.4 | 6.4 | 7.6 | 12 | 112 | 330 | 137 | 31 | 15 | 9.4 |
| 20 | 15 | 12 | 7.8 | 6.0 | 8.6 | 11 | 96 | 290 | 132 | 30 | 14 | 9.4 |
| 21 | 14 | 12 | 7.8 | 6.6 | 9.0 | 11 | 73 | 268 | 127 | 29 | 14 | 9.4 |
| 22 | 12 | 10 | 7.8 | 7.0 | 9.0 | 12 | 76 | 237 | 120 | 30 | 16 | 9.2 |
| 23 | 11 | 9.4 | 8.2 | 7.4 | 9.4 | 11 | 93 | 232 | 112 | 29 | 17 | 9.2 |
| 24 | 11 | 9.6 | 8.2 | 7.8 | 9.4 | 10 | 103 | 224 | 106 | 27 | 17 | 9.6 |
| 25 | 10 | 10 | 8.6 | 8.2 | 9.6 | 10 | 101 | 197 | 101 | 27 | 16 | 9.6 |
| 26 | 10 | 10 | 8.6 | 8.0 | 9.6 | 10 | 105 | 179 | 94 | 26 | 15 | 9.6 |
| 27 | 9.6 | 10 | 8.6 | 8.0 | 9.4 | 10 | 116 | 160 | 89 | 25 | 17 | 9.6 |
| 28 | 9.2 | 10 | 9.0 | 8.4 | 10 | 11 | 125 | 145 | 86 | 26 | 17 | 10 |
| 29 | 9.2 | 10 | 9.0 | 8.4 | --- | 10 | 140 | 130 | 84 | 29 | 14 | 9.2 |
| 30 | 8.8 | 10 | 9.4 | 8.4 | --- | 11 | 136 | 120 | 78 | 29 | 13 | 9.6 |
| 31 | 8.8 | --- | 9.4 | 8.4 | --- | 11 | --- | 110 | --- | 27 | 13 | --- |
| TOTAL | 355.6 | 301.2 | 250.2 | 241.0 | 248.8 | 393 | 1874 | 6805 | 4179 | 1239 | 582 | 314.2 |
| MEAN | 11.5 | 10.0 | 8.07 | 7.77 | 8.89 | 12.7 | 62.5 | 220 | 139 | 40.0 | 18.8 | 10.5 |
| AC-FT | 705 | 597 | 496 | 478 | 493 | 780 | 3720 | 13500 | 8290 | 2460 | 1150 | 623 |
| MAX | 15 | 13 | 9.4 | 9.6 | 10 | 18 | 140 | 383 | 195 | 74 | 27 | 13 |
| MIN | 8.8 | 8.6 | 6.4 | 5.8 | 7.6 | 10 | 13 | 104 | 78 | 25 | 13 | 9.2 |

CAL YR 1986 TOTAL 7518.0 MEAN 20.6 MAX 284 MIN 4.0 AC-FT 14910
WTR YR 1987 TOTAL 16783.0 MEAN 46.0 MAX 383 MIN 5.8 AC-FT 33290

MAX DISCH 420 CFS AT 1900 17-MAY-1987 GH 2.97 FT. SHIFT 0.00 FT. MAX GH 2.97 FT. AT 1900 17-MAY-1987



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1980)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

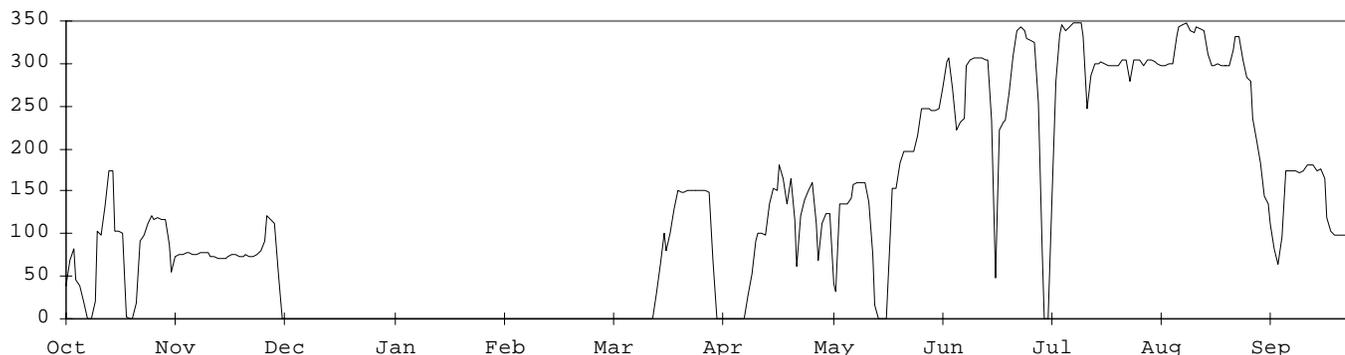
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|------|-----|-----|-----|------|------|------|-------|-------|-------|------|
| 1 | 40 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 69 | 69 | 246 | 325 | 298 | 236 |
| 2 | 68 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 111 | 244 | 255 | 305 | 210 |
| 3 | 82 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 124 | 244 | 95 | 305 | 184 |
| 4 | 45 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 124 | 248 | 0.0 | 302 | 144 |
| 5 | 40 | 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41 | 272 | 0.0 | 300 | 135 |
| 6 | 20 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 302 | 140 | 298 | 111 |
| 7 | 0.0 | 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 134 | 307 | 278 | 298 | 83 |
| 8 | 0.0 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 135 | 269 | 335 | 300 | 63 |
| 9 | 20 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 135 | 221 | 346 | 300 | 97 |
| 10 | 104 | 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 142 | 232 | 339 | 332 | 175 |
| 11 | 98 | 74 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 158 | 236 | 342 | 344 | 175 |
| 12 | 133 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 52 | 160 | 297 | 348 | 346 | 175 |
| 13 | 175 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 91 | 160 | 305 | 348 | 348 | 174 |
| 14 | 174 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 101 | 160 | 307 | 348 | 339 | 172 |
| 15 | 104 | 72 | 0.0 | 0.0 | 0.0 | 0.0 | 101 | 138 | 307 | 332 | 337 | 174 |
| 16 | 103 | 74 | 0.0 | 0.0 | 0.0 | 29 | 99 | 75 | 307 | 247 | 342 | 181 |
| 17 | 101 | 75 | 0.0 | 0.0 | 0.0 | 65 | 134 | 17 | 305 | 286 | 340 | 180 |
| 18 | 2.8 | 75 | 0.0 | 0.0 | 0.0 | 101 | 153 | 0.0 | 305 | 300 | 339 | 180 |
| 19 | 0.0 | 74 | 0.0 | 0.0 | 0.0 | 95 | 152 | 0.0 | 234 | 300 | 311 | 175 |
| 20 | 0.0 | 74 | 0.0 | 0.0 | 0.0 | 101 | 180 | 0.0 | 47 | 302 | 298 | 176 |
| 21 | 19 | 75 | 0.0 | 0.0 | 0.0 | 128 | 164 | 100 | 222 | 300 | 298 | 165 |
| 22 | 91 | 74 | 0.0 | 0.0 | 0.0 | 151 | 135 | 153 | 230 | 298 | 300 | 118 |
| 23 | 99 | 74 | 0.0 | 0.0 | 0.0 | 148 | 165 | 153 | 233 | 298 | 297 | 103 |
| 24 | 111 | 76 | 0.0 | 0.0 | 0.0 | 149 | 116 | 184 | 265 | 298 | 298 | 99 |
| 25 | 121 | 80 | 0.0 | 0.0 | 0.0 | 151 | 61 | 196 | 309 | 298 | 298 | 99 |
| 26 | 117 | 91 | 0.0 | 0.0 | 0.0 | 151 | 122 | 196 | 339 | 304 | 316 | 99 |
| 27 | 118 | 121 | 0.0 | 0.0 | 0.0 | 151 | 140 | 196 | 344 | 305 | 332 | 99 |
| 28 | 117 | 117 | 0.0 | 0.0 | 0.0 | 151 | 151 | 196 | 339 | 278 | 332 | 99 |
| 29 | 117 | 113 | 0.0 | 0.0 | 0.0 | 151 | 160 | 216 | 330 | 304 | 304 | 119 |
| 30 | 87 | 52 | 0.0 | 0.0 | --- | 151 | 111 | 248 | 326 | 304 | 283 | 125 |
| 31 | 55 | --- | 0.0 | 0.0 | --- | 149 | --- | 247 | --- | 304 | 280 | --- |
| TOTAL | 2361.8 | 2373 | 0.0 | 0.0 | 0.0 | 2022 | 2484 | 4000 | 8172 | 8557 | 9720 | 4325 |
| MEAN | 76.2 | 79.1 | 0.0 | 0.0 | 0.0 | 65.2 | 82.8 | 129 | 272 | 276 | 314 | 144 |
| AC-FT | 4680 | 4710 | 0.0 | 0.0 | 0.0 | 4010 | 4930 | 7930 | 16210 | 16970 | 19280 | 8580 |
| MAX | 175 | 121 | 0.0 | 0.0 | 0.0 | 151 | 180 | 248 | 344 | 348 | 348 | 236 |
| MIN | 0.0 | 52 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47 | 0.0 | 280 | 63 |

CAL YR 1979 TOTAL 45454.9 MEAN 124 MAX 319 MIN 0.00 AC-FT 90160
WTR YR 1980 TOTAL 44014.8 MEAN 120 MAX 348 MIN 0.00 AC-FT 87300

MAX DISCH 362 CFS AT 1200 15-AUG-1980 GH 3.15 FT. SHIFT 0.00 FT. MAX GH 3.15 FT. AT 1200 15-AUG-1980



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1981)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

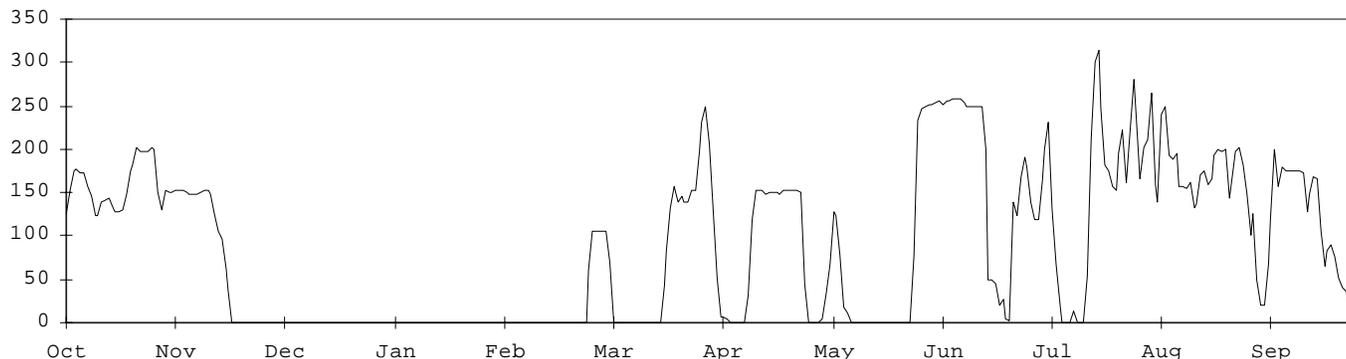
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-----|-----|------|------|--------|--------|--------|------|-------|------|
| 1 | 125 | 152 | 0.0 | 0.0 | 0.0 | 105 | 207 | 0.0 | 250 | 138 | 165 | 100 |
| 2 | 152 | 153 | 0.0 | 0.0 | 0.0 | 105 | 131 | 0.0 | 252 | 119 | 201 | 125 |
| 3 | 175 | 152 | 0.0 | 0.0 | 0.0 | 105 | 52 | 4.2 | 252 | 118 | 210 | 50 |
| 4 | 178 | 151 | 0.0 | 0.0 | 0.0 | 70 | 7.4 | 33 | 253 | 164 | 265 | 20 |
| 5 | 172 | 148 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 67 | 255 | 200 | 159 | 20 |
| 6 | 172 | 148 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 128 | 252 | 230 | 138 | 67 |
| 7 | 156 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 123 | 255 | 131 | 240 | 118 |
| 8 | 145 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 78 | 255 | 68 | 250 | 200 |
| 9 | 123 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 257 | 22 | 193 | 158 |
| 10 | 123 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 258 | 0.0 | 188 | 180 |
| 11 | 138 | 148 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 258 | 0.0 | 196 | 175 |
| 12 | 142 | 125 | 0.0 | 0.0 | 0.0 | 0.0 | 31 | 0.0 | 253 | 0.0 | 156 | 175 |
| 13 | 144 | 105 | 0.0 | 0.0 | 0.0 | 0.0 | 118 | 0.0 | 250 | 14 | 157 | 176 |
| 14 | 133 | 96 | 0.0 | 0.0 | 0.0 | 0.0 | 153 | 0.0 | 250 | 0.0 | 154 | 175 |
| 15 | 127 | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 153 | 0.0 | 250 | 0.0 | 161 | 175 |
| 16 | 127 | 38 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 0.0 | 250 | 0.0 | 133 | 172 |
| 17 | 130 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 149 | 0.0 | 250 | 53 | 136 | 129 |
| 18 | 148 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 0.0 | 200 | 210 | 171 | 149 |
| 19 | 175 | 0.0 | 0.0 | 0.0 | 0.0 | 43 | 151 | 0.0 | 50 | 300 | 175 | 168 |
| 20 | 181 | 0.0 | 0.0 | 0.0 | 0.0 | 84 | 151 | 0.0 | 49 | 313 | 160 | 167 |
| 21 | 201 | 0.0 | 0.0 | 0.0 | 0.0 | 133 | 148 | 0.0 | 44 | 247 | 167 | 105 |
| 22 | 198 | 0.0 | 0.0 | 0.0 | 0.0 | 157 | 152 | 0.0 | 20 | 181 | 193 | 66 |
| 23 | 198 | 0.0 | 0.0 | 0.0 | 0.0 | 139 | 152 | 0.0 | 28 | 176 | 200 | 84 |
| 24 | 198 | 0.0 | 0.0 | 0.0 | 0.0 | 145 | 152 | 0.0 | 3.5 | 156 | 197 | 90 |
| 25 | 201 | 0.0 | 0.0 | 0.0 | 0.0 | 140 | 152 | 0.0 | 1.5 | 153 | 200 | 76 |
| 26 | 200 | 0.0 | 0.0 | 0.0 | 60 | 140 | 153 | 0.0 | 138 | 196 | 143 | 51 |
| 27 | 151 | 0.0 | 0.0 | 0.0 | 105 | 152 | 151 | 0.0 | 123 | 222 | 180 | 40 |
| 28 | 130 | 0.0 | 0.0 | 0.0 | 105 | 153 | 44 | 0.0 | 168 | 162 | 197 | 36 |
| 29 | 152 | 0.0 | 0.0 | 0.0 | --- | 197 | 0.0 | 77 | 190 | 222 | 203 | 25 |
| 30 | 151 | 0.0 | 0.0 | 0.0 | --- | 230 | 0.0 | 233 | 180 | 295 | 182 | 21 |
| 31 | 151 | --- | 0.0 | 0.0 | --- | 248 | --- | 247 | --- | 204 | 148 | --- |
| TOTAL | 4897 | 2082 | 0.0 | 0.0 | 270 | 2346 | 2720.2 | 1020.2 | 5495.0 | 4294 | 5618 | 3293 |
| MEAN | 158 | 69.4 | 0.0 | 0.0 | 9.64 | 75.7 | 90.7 | 32.9 | 183 | 139 | 181 | 110 |
| AC-FT | 9710 | 4130 | 0.0 | 0.0 | 536 | 4650 | 5400 | 2020 | 10900 | 8520 | 11140 | 6530 |
| MAX | 201 | 153 | 0.0 | 0.0 | 105 | 248 | 207 | 247 | 258 | 313 | 265 | 200 |
| MIN | 123 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 133 | 20 |

CAL YR 1980 TOTAL 46259 MEAN 126 MAX 348 MIN 0.00 AC-FT 91750
WTR YR 1981 TOTAL 32035.4 MEAN 87.8 MAX 313 MIN 0.00 AC-FT 63540

MAX DISCH 372 CFS AT 0600 30-MAY-1981 GH 3.20 FT. SHIFT 0.00 FT. MAX GH 3.20 FT. AT 0600 30-MAY-1981



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1982)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

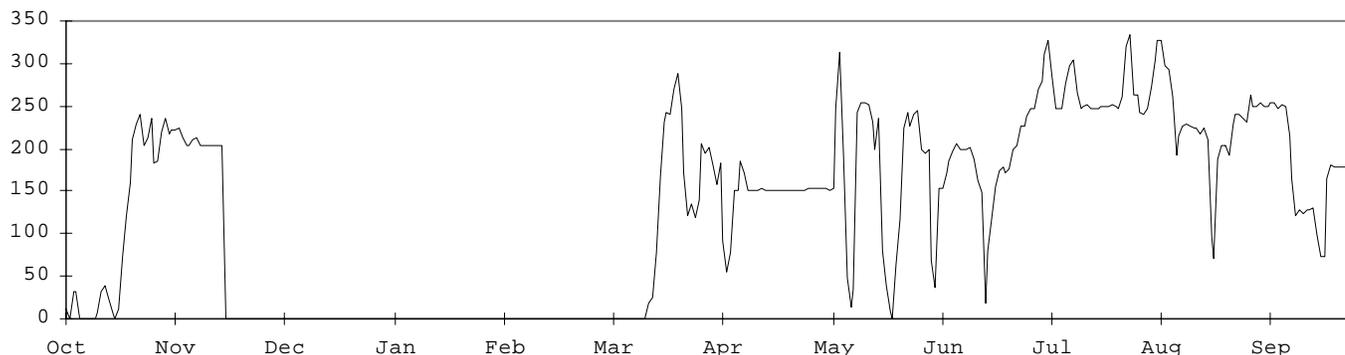
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|------|-----|-----|-----|------|------|--------|------|-------|-------|-------|
| 1 | 11 | 221 | 0.0 | 0.0 | 0.0 | 0.0 | 201 | 154 | 194 | 248 | 242 | 262 |
| 2 | 0.0 | 224 | 0.0 | 0.0 | 0.0 | 0.0 | 181 | 153 | 200 | 247 | 240 | 250 |
| 3 | 33 | 212 | 0.0 | 0.0 | 0.0 | 0.0 | 157 | 153 | 69 | 269 | 246 | 250 |
| 4 | 32 | 204 | 0.0 | 0.0 | 0.0 | 0.0 | 182 | 154 | 36 | 280 | 272 | 255 |
| 5 | 0.0 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 91 | 152 | 154 | 311 | 304 | 250 |
| 6 | 0.0 | 210 | 0.0 | 0.0 | 0.0 | 0.0 | 55 | 154 | 153 | 328 | 326 | 250 |
| 7 | 0.0 | 212 | 0.0 | 0.0 | 0.0 | 0.0 | 77 | 247 | 172 | 285 | 326 | 255 |
| 8 | 0.0 | 204 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 313 | 186 | 248 | 298 | 253 |
| 9 | 0.0 | 204 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 193 | 197 | 247 | 293 | 248 |
| 10 | 7.0 | 204 | 0.0 | 0.0 | 0.0 | 0.0 | 186 | 48 | 207 | 247 | 260 | 252 |
| 11 | 31 | 204 | 0.0 | 0.0 | 0.0 | 0.0 | 172 | 14 | 198 | 277 | 193 | 250 |
| 12 | 38 | 204 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 34 | 200 | 298 | 216 | 216 |
| 13 | 24 | 204 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 242 | 198 | 304 | 227 | 165 |
| 14 | 5.8 | 204 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 253 | 201 | 265 | 229 | 122 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 151 | 253 | 188 | 248 | 227 | 127 |
| 16 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 153 | 252 | 162 | 250 | 225 | 124 |
| 17 | 73 | 0.0 | 0.0 | 0.0 | 0.0 | 78 | 152 | 230 | 148 | 252 | 224 | 127 |
| 18 | 122 | 0.0 | 0.0 | 0.0 | 0.0 | 168 | 151 | 198 | 19 | 248 | 218 | 129 |
| 19 | 161 | 0.0 | 0.0 | 0.0 | 0.0 | 230 | 152 | 236 | 80 | 247 | 224 | 131 |
| 20 | 210 | 0.0 | 0.0 | 0.0 | 0.0 | 242 | 152 | 80 | 116 | 248 | 210 | 99 |
| 21 | 229 | 0.0 | 0.0 | 0.0 | 0.0 | 241 | 152 | 38 | 156 | 250 | 97 | 73 |
| 22 | 240 | 0.0 | 0.0 | 0.0 | 0.0 | 270 | 152 | 9.1 | 174 | 250 | 71 | 74 |
| 23 | 203 | 0.0 | 0.0 | 0.0 | 0.0 | 288 | 152 | 0.0 | 178 | 250 | 187 | 164 |
| 24 | 213 | 0.0 | 0.0 | 0.0 | 0.0 | 247 | 151 | 64 | 171 | 252 | 203 | 181 |
| 25 | 235 | 0.0 | 0.0 | 0.0 | 0.0 | 172 | 151 | 116 | 176 | 250 | 204 | 178 |
| 26 | 184 | 0.0 | 0.0 | 0.0 | 0.0 | 121 | 152 | 224 | 198 | 247 | 193 | 178 |
| 27 | 186 | 0.0 | 0.0 | 0.0 | 0.0 | 135 | 151 | 242 | 203 | 260 | 229 | 178 |
| 28 | 219 | 0.0 | 0.0 | 0.0 | 0.0 | 119 | 152 | 227 | 227 | 320 | 240 | 178 |
| 29 | 235 | 0.0 | 0.0 | 0.0 | --- | 140 | 153 | 241 | 227 | 335 | 241 | 178 |
| 30 | 218 | 0.0 | 0.0 | 0.0 | --- | 206 | 153 | 244 | 238 | 264 | 235 | 172 |
| 31 | 221 | --- | 0.0 | 0.0 | --- | 195 | --- | 200 | --- | 262 | 232 | --- |
| TOTAL | 3141.8 | 2914 | 0.0 | 0.0 | 0.0 | 2896 | 4492 | 5118.1 | 5026 | 8287 | 7132 | 5569 |
| MEAN | 101 | 97.1 | 0.0 | 0.0 | 0.0 | 93.4 | 150 | 165 | 168 | 267 | 230 | 186 |
| AC-FT | 6230 | 5780 | 0.0 | 0.0 | 0.0 | 5740 | 8910 | 10150 | 9970 | 16440 | 14150 | 11050 |
| MAX | 240 | 224 | 0.0 | 0.0 | 0.0 | 288 | 201 | 313 | 238 | 335 | 326 | 262 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55 | 0.0 | 19 | 247 | 71 | 73 |

CAL YR 1981 TOTAL 31112.2 MEAN 85.2 MAX 313 MIN 0.00 AC-FT 61710
WTR YR 1982 TOTAL 44575.9 MEAN 122 MAX 335 MIN 0.00 AC-FT 88420

MAX DISCH 372 CFS AT 1800 29-JUL-1982 GH 3.20 FT. SHIFT 0.00 FT. MAX GH 3.20 FT. AT 1800 29-JUL-1982



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1983)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

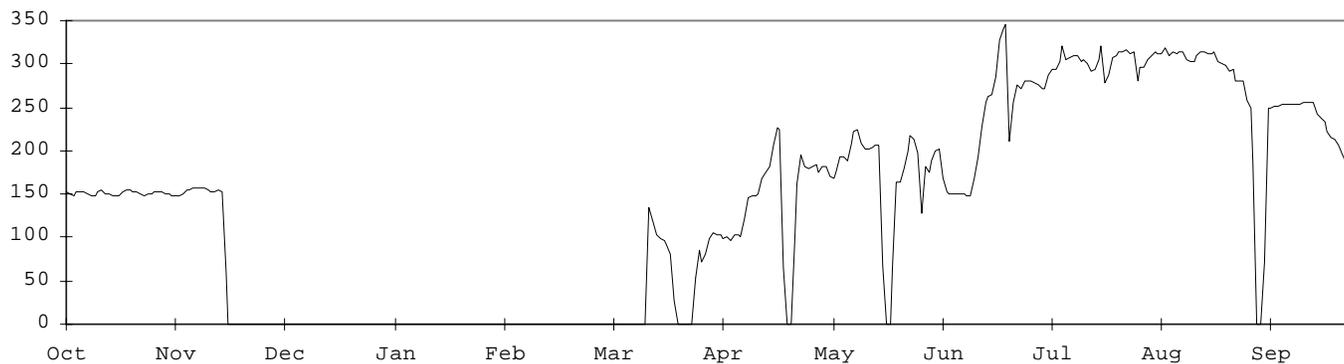
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|
| 1 | 153 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 99 | 184 | 182 | 281 | 297 | 248 |
| 2 | 151 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 105 | 176 | 175 | 278 | 297 | 187 |
| 3 | 148 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 103 | 182 | 188 | 277 | 305 | 0.0 |
| 4 | 152 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 104 | 182 | 200 | 272 | 309 | 0.0 |
| 5 | 153 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 99 | 171 | 201 | 272 | 314 | 72 |
| 6 | 153 | 157 | 0.0 | 0.0 | 0.0 | 0.0 | 100 | 169 | 169 | 287 | 311 | 250 |
| 7 | 151 | 157 | 0.0 | 0.0 | 0.0 | 0.0 | 97 | 175 | 152 | 295 | 311 | 250 |
| 8 | 147 | 158 | 0.0 | 0.0 | 0.0 | 0.0 | 103 | 193 | 151 | 293 | 318 | 252 |
| 9 | 148 | 156 | 0.0 | 0.0 | 0.0 | 0.0 | 103 | 193 | 151 | 304 | 309 | 252 |
| 10 | 153 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 100 | 188 | 151 | 321 | 314 | 253 |
| 11 | 154 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 121 | 208 | 151 | 305 | 311 | 253 |
| 12 | 151 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 145 | 222 | 151 | 307 | 314 | 253 |
| 13 | 151 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 149 | 224 | 149 | 309 | 313 | 253 |
| 14 | 149 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 149 | 208 | 148 | 309 | 305 | 253 |
| 15 | 148 | 60 | 0.0 | 0.0 | 0.0 | 135 | 151 | 201 | 169 | 304 | 304 | 253 |
| 16 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 118 | 169 | 203 | 194 | 305 | 304 | 255 |
| 17 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 104 | 175 | 204 | 229 | 300 | 309 | 255 |
| 18 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 99 | 181 | 207 | 255 | 292 | 313 | 255 |
| 19 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 96 | 207 | 206 | 262 | 293 | 313 | 255 |
| 20 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 91 | 227 | 68 | 265 | 305 | 311 | 242 |
| 21 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 81 | 225 | 0.0 | 285 | 321 | 311 | 238 |
| 22 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 64 | 0.0 | 328 | 278 | 314 | 233 |
| 23 | 148 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66 | 342 | 288 | 304 | 222 |
| 24 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 164 | 346 | 307 | 300 | 216 |
| 25 | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 103 | 164 | 210 | 309 | 298 | 214 |
| 26 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 161 | 180 | 255 | 314 | 292 | 207 |
| 27 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 196 | 200 | 277 | 314 | 295 | 196 |
| 28 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 53 | 181 | 218 | 272 | 316 | 280 | 186 |
| 29 | 151 | 0.0 | 0.0 | 0.0 | --- | 86 | 180 | 214 | 280 | 311 | 280 | 186 |
| 30 | 151 | 0.0 | 0.0 | 0.0 | --- | 71 | 182 | 197 | 281 | 314 | 281 | 182 |
| 31 | 149 | --- | 0.0 | 0.0 | --- | 81 | --- | 128 | --- | 281 | 258 | --- |
| TOTAL | 4684 | 2210 | 0.0 | 0.0 | 0.0 | 1041 | 3979 | 5295 | 6569 | 9262 | 9395 | 6371 |
| MEAN | 151 | 73.7 | 0.0 | 0.0 | 0.0 | 33.6 | 133 | 171 | 219 | 299 | 303 | 212 |
| AC-FT | 9290 | 4380 | 0.0 | 0.0 | 0.0 | 2060 | 7890 | 10500 | 13030 | 18370 | 18630 | 12640 |
| MAX | 154 | 158 | 0.0 | 0.0 | 0.0 | 135 | 227 | 224 | 346 | 321 | 318 | 255 |
| MIN | 147 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 148 | 272 | 258 | 0.0 |

CAL YR 1982 TOTAL 45414.1 MEAN 124 MAX 335 MIN 0.00 AC-FT 90080
WTR YR 1983 TOTAL 48806 MEAN 134 MAX 346 MIN 0.00 AC-FT 96810

MAX DISCH 410 CFS AT 1200 06-JUL-1983 GH 3.40 FT. SHIFT 0.00 FT. MAX GH 3.40 FT. AT 1200 06-JUL-1983



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1984)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

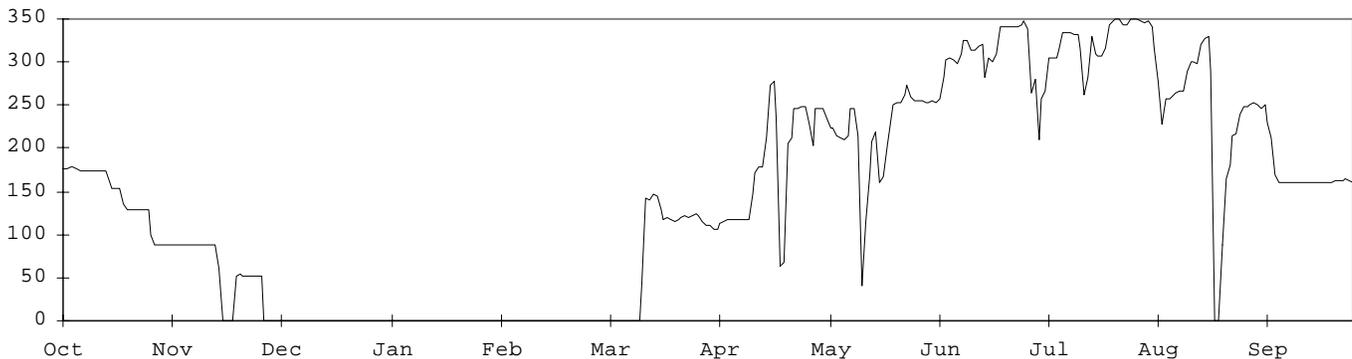
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|
| 1 | 176 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 110 | 247 | 253 | 264 | 348 | 250 |
| 2 | 176 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 106 | 246 | 253 | 281 | 346 | 252 |
| 3 | 178 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 106 | 247 | 255 | 210 | 348 | 250 |
| 4 | 178 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 112 | 235 | 253 | 258 | 342 | 247 |
| 5 | 176 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 116 | 224 | 258 | 267 | 316 | 250 |
| 6 | 175 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 118 | 224 | 283 | 305 | 277 | 230 |
| 7 | 175 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 118 | 214 | 302 | 305 | 229 | 212 |
| 8 | 175 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 118 | 212 | 304 | 305 | 258 | 169 |
| 9 | 175 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 118 | 210 | 302 | 314 | 258 | 161 |
| 10 | 175 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 118 | 214 | 298 | 335 | 262 | 161 |
| 11 | 175 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 118 | 246 | 309 | 335 | 264 | 161 |
| 12 | 175 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 118 | 247 | 326 | 335 | 267 | 161 |
| 13 | 175 | 88 | 0.0 | 0.0 | 0.0 | 43 | 147 | 215 | 325 | 333 | 267 | 161 |
| 14 | 160 | 60 | 0.0 | 0.0 | 0.0 | 143 | 171 | 40 | 314 | 333 | 290 | 160 |
| 15 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 139 | 178 | 115 | 313 | 316 | 300 | 160 |
| 16 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 147 | 178 | 169 | 318 | 262 | 300 | 160 |
| 17 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 145 | 213 | 208 | 320 | 283 | 298 | 160 |
| 18 | 135 | 0.0 | 0.0 | 0.0 | 0.0 | 129 | 273 | 218 | 283 | 330 | 321 | 161 |
| 19 | 128 | 52 | 0.0 | 0.0 | 0.0 | 118 | 278 | 160 | 305 | 309 | 328 | 161 |
| 20 | 128 | 54 | 0.0 | 0.0 | 0.0 | 119 | 235 | 167 | 300 | 307 | 330 | 161 |
| 21 | 128 | 51 | 0.0 | 0.0 | 0.0 | 117 | 64 | 203 | 309 | 307 | 290 | 160 |
| 22 | 128 | 52 | 0.0 | 0.0 | 0.0 | 115 | 67 | 219 | 340 | 316 | 0.0 | 160 |
| 23 | 128 | 52 | 0.0 | 0.0 | 0.0 | 117 | 206 | 250 | 340 | 344 | 0.0 | 160 |
| 24 | 128 | 51 | 0.0 | 0.0 | 0.0 | 119 | 213 | 252 | 342 | 348 | 88 | 161 |
| 25 | 128 | 52 | 0.0 | 0.0 | 0.0 | 121 | 246 | 253 | 342 | 349 | 165 | 162 |
| 26 | 99 | 51 | 0.0 | 0.0 | 0.0 | 119 | 247 | 262 | 342 | 349 | 180 | 162 |
| 27 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 123 | 248 | 273 | 342 | 344 | 214 | 162 |
| 28 | 88 | 0.0 | 0.0 | 0.0 | 0.0 | 124 | 248 | 260 | 344 | 344 | 216 | 164 |
| 29 | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 121 | 227 | 255 | 348 | 349 | 240 | 162 |
| 30 | 87 | 0.0 | 0.0 | 0.0 | --- | 116 | 203 | 255 | 339 | 349 | 248 | 161 |
| 31 | 87 | --- | 0.0 | 0.0 | --- | 110 | --- | 255 | --- | 349 | 248 | --- |
| TOTAL | 4470 | 1619 | 0.0 | 0.0 | 0.0 | 2285 | 5018 | 6795 | 9262 | 9735 | 7838 | 5402 |
| MEAN | 144 | 54.0 | 0.0 | 0.0 | 0.0 | 73.7 | 167 | 219 | 309 | 314 | 253 | 180 |
| AC-FT | 8870 | 3210 | 0.0 | 0.0 | 0.0 | 4530 | 9950 | 13480 | 18370 | 19310 | 15550 | 10710 |
| MAX | 178 | 88 | 0.0 | 0.0 | 0.0 | 147 | 278 | 273 | 348 | 349 | 348 | 252 |
| MIN | 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 64 | 40 | 253 | 210 | 0.0 | 160 |

CAL YR 1983 TOTAL 48001 MEAN 132 MAX 346 MIN 0.00 AC-FT 95210
WTR YR 1984 TOTAL 52424 MEAN 143 MAX 349 MIN 0.00 AC-FT 104000

MAX DISCH 384 CFS AT 1300 23-JUL-1984 GH 3.29 FT. SHIFT 0.00 FT. MAX GH 3.29 FT. AT 1300 23-JUL-1984



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1985)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

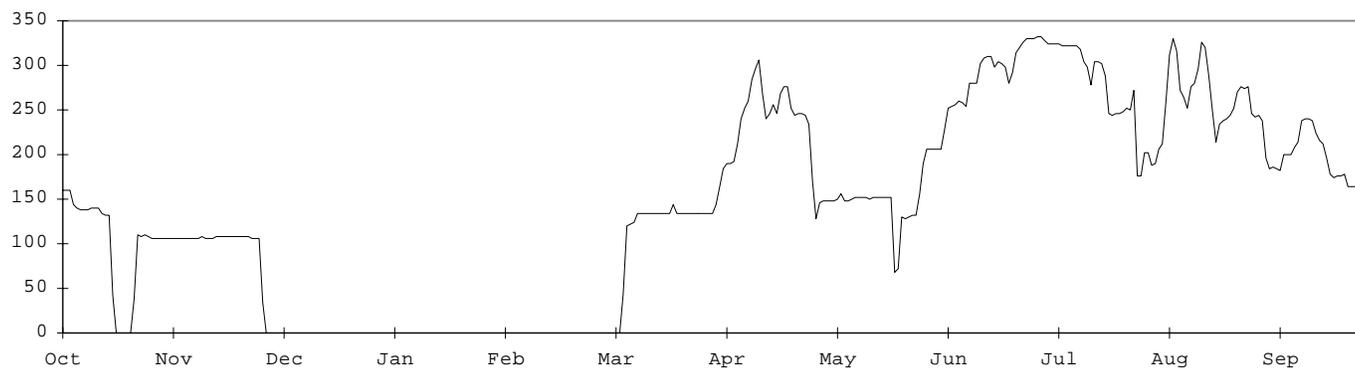
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-----|-----|-----|------|-------|------|-------|-------|-------|-------|
| 1 | 161 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 134 | 147 | 206 | 332 | 203 | 244 |
| 2 | 160 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 144 | 149 | 206 | 332 | 188 | 238 |
| 3 | 160 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 165 | 149 | 207 | 328 | 190 | 197 |
| 4 | 145 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 184 | 149 | 207 | 325 | 207 | 184 |
| 5 | 140 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 191 | 149 | 229 | 325 | 213 | 186 |
| 6 | 139 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 191 | 151 | 253 | 325 | 260 | 184 |
| 7 | 139 | 107 | 0.0 | 0.0 | 0.0 | 44 | 193 | 157 | 255 | 325 | 313 | 182 |
| 8 | 139 | 107 | 0.0 | 0.0 | 0.0 | 121 | 212 | 149 | 257 | 323 | 330 | 200 |
| 9 | 140 | 109 | 0.0 | 0.0 | 0.0 | 122 | 240 | 149 | 260 | 323 | 316 | 201 |
| 10 | 140 | 107 | 0.0 | 0.0 | 0.0 | 125 | 253 | 151 | 258 | 323 | 272 | 200 |
| 11 | 140 | 107 | 0.0 | 0.0 | 0.0 | 135 | 260 | 152 | 255 | 323 | 265 | 208 |
| 12 | 135 | 107 | 0.0 | 0.0 | 0.0 | 135 | 285 | 153 | 281 | 323 | 252 | 214 |
| 13 | 133 | 109 | 0.0 | 0.0 | 0.0 | 134 | 297 | 153 | 281 | 318 | 277 | 238 |
| 14 | 133 | 109 | 0.0 | 0.0 | 0.0 | 135 | 307 | 152 | 281 | 304 | 280 | 240 |
| 15 | 43 | 108 | 0.0 | 0.0 | 0.0 | 135 | 269 | 151 | 302 | 298 | 297 | 240 |
| 16 | 0.0 | 108 | 0.0 | 0.0 | 0.0 | 135 | 241 | 153 | 309 | 278 | 326 | 238 |
| 17 | 0.0 | 108 | 0.0 | 0.0 | 0.0 | 135 | 246 | 152 | 311 | 304 | 320 | 224 |
| 18 | 0.0 | 108 | 0.0 | 0.0 | 0.0 | 135 | 257 | 152 | 311 | 304 | 288 | 216 |
| 19 | 0.0 | 108 | 0.0 | 0.0 | 0.0 | 135 | 246 | 152 | 298 | 302 | 250 | 213 |
| 20 | 0.0 | 108 | 0.0 | 0.0 | 0.0 | 135 | 269 | 153 | 304 | 288 | 214 | 197 |
| 21 | 38 | 109 | 0.0 | 0.0 | 0.0 | 144 | 277 | 153 | 302 | 247 | 235 | 178 |
| 22 | 110 | 109 | 0.0 | 0.0 | 0.0 | 135 | 277 | 69 | 298 | 244 | 238 | 175 |
| 23 | 109 | 107 | 0.0 | 0.0 | 0.0 | 135 | 253 | 72 | 280 | 246 | 240 | 176 |
| 24 | 110 | 107 | 0.0 | 0.0 | 0.0 | 135 | 244 | 131 | 292 | 247 | 244 | 176 |
| 25 | 109 | 106 | 0.0 | 0.0 | 0.0 | 135 | 246 | 129 | 314 | 248 | 252 | 178 |
| 26 | 107 | 35 | 0.0 | 0.0 | 0.0 | 135 | 246 | 131 | 321 | 252 | 270 | 164 |
| 27 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 135 | 244 | 133 | 326 | 250 | 277 | 164 |
| 28 | 107 | 0.0 | 0.0 | 0.0 | 0.0 | 134 | 235 | 133 | 330 | 272 | 275 | 165 |
| 29 | 107 | 0.0 | 0.0 | 0.0 | --- | 134 | 170 | 156 | 330 | 177 | 277 | 165 |
| 30 | 107 | 0.0 | 0.0 | 0.0 | --- | 134 | 128 | 190 | 330 | 176 | 246 | 160 |
| 31 | 107 | --- | 0.0 | 0.0 | --- | 134 | --- | 206 | --- | 203 | 242 | --- |
| TOTAL | 3165 | 2725 | 0.0 | 0.0 | 0.0 | 3251 | 6904 | 4526 | 8394 | 8865 | 8057 | 5945 |
| MEAN | 102 | 90.8 | 0.0 | 0.0 | 0.0 | 105 | 230 | 146 | 280 | 286 | 260 | 198 |
| AC-FT | 6280 | 5410 | 0.0 | 0.0 | 0.0 | 6450 | 13690 | 8980 | 16650 | 17580 | 15980 | 11790 |
| MAX | 161 | 109 | 0.0 | 0.0 | 0.0 | 144 | 307 | 206 | 330 | 332 | 330 | 244 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 128 | 69 | 206 | 176 | 188 | 160 |

CAL YR 1984 TOTAL 52234 MEAN 143 MAX 349 MIN 0.00 AC-FT 103600
WTR YR 1985 TOTAL 51832 MEAN 142 MAX 332 MIN 0.00 AC-FT 102800

MAX DISCH 341 CFS AT 1930 18-JUN-1985 GH 3.03 FT. SHIFT 0.00 FT. MAX GH 3.03 FT. AT 1930 18-JUN-1985



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1986)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

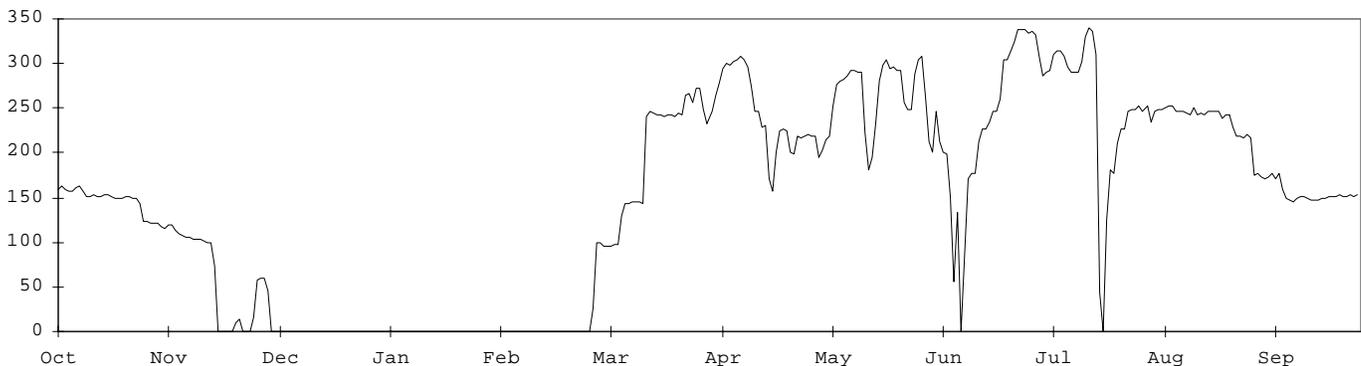
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|--------|-----|-----|------|-------|-------|-------|-------|-------|-------|------|
| 1 | 160 | 119 | 0.0 | 0.0 | 0.0 | 100 | 233 | 219 | 262 | 337 | 246 | 175 |
| 2 | 163 | 119 | 0.0 | 0.0 | 0.0 | 99 | 247 | 194 | 212 | 333 | 253 | 176 |
| 3 | 160 | 114 | 0.0 | 0.0 | 0.0 | 96 | 265 | 203 | 200 | 309 | 235 | 174 |
| 4 | 158 | 110 | 0.0 | 0.0 | 0.0 | 96 | 278 | 214 | 247 | 286 | 247 | 172 |
| 5 | 158 | 107 | 0.0 | 0.0 | 0.0 | 96 | 295 | 218 | 212 | 290 | 248 | 174 |
| 6 | 161 | 105 | 0.0 | 0.0 | 0.0 | 97 | 300 | 253 | 200 | 293 | 248 | 176 |
| 7 | 164 | 105 | 0.0 | 0.0 | 0.0 | 97 | 298 | 277 | 198 | 311 | 250 | 172 |
| 8 | 157 | 104 | 0.0 | 0.0 | 0.0 | 130 | 302 | 281 | 152 | 314 | 252 | 176 |
| 9 | 152 | 104 | 0.0 | 0.0 | 0.0 | 144 | 305 | 283 | 55 | 314 | 253 | 160 |
| 10 | 151 | 103 | 0.0 | 0.0 | 0.0 | 144 | 309 | 286 | 133 | 309 | 247 | 149 |
| 11 | 153 | 101 | 0.0 | 0.0 | 0.0 | 145 | 304 | 293 | 0.0 | 297 | 246 | 148 |
| 12 | 152 | 100 | 0.0 | 0.0 | 0.0 | 145 | 297 | 292 | 84 | 290 | 246 | 145 |
| 13 | 151 | 100 | 0.0 | 0.0 | 0.0 | 145 | 275 | 290 | 172 | 290 | 244 | 149 |
| 14 | 153 | 74 | 0.0 | 0.0 | 0.0 | 144 | 247 | 290 | 176 | 290 | 242 | 151 |
| 15 | 153 | 0.0 | 0.0 | 0.0 | 0.0 | 241 | 246 | 222 | 176 | 302 | 250 | 151 |
| 16 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 247 | 228 | 181 | 213 | 330 | 242 | 149 |
| 17 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 244 | 230 | 194 | 227 | 340 | 244 | 147 |
| 18 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 242 | 172 | 233 | 227 | 337 | 242 | 148 |
| 19 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 242 | 158 | 281 | 235 | 311 | 246 | 148 |
| 20 | 151 | 9.6 | 0.0 | 0.0 | 0.0 | 241 | 200 | 298 | 247 | 44 | 246 | 149 |
| 21 | 151 | 14 | 0.0 | 0.0 | 0.0 | 242 | 225 | 304 | 247 | 0.0 | 247 | 149 |
| 22 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 242 | 227 | 295 | 260 | 126 | 246 | 152 |
| 23 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 241 | 224 | 297 | 304 | 180 | 238 | 152 |
| 24 | 144 | 0.0 | 0.0 | 0.0 | 0.0 | 244 | 201 | 292 | 305 | 176 | 242 | 152 |
| 25 | 123 | 16 | 0.0 | 0.0 | 0.0 | 242 | 198 | 292 | 314 | 210 | 242 | 153 |
| 26 | 124 | 58 | 0.0 | 0.0 | 0.0 | 265 | 219 | 257 | 325 | 227 | 229 | 151 |
| 27 | 122 | 60 | 0.0 | 0.0 | 0.0 | 267 | 216 | 248 | 339 | 227 | 218 | 151 |
| 28 | 121 | 59 | 0.0 | 0.0 | 25 | 257 | 219 | 248 | 339 | 247 | 219 | 153 |
| 29 | 121 | 46 | 0.0 | 0.0 | --- | 272 | 221 | 288 | 339 | 248 | 216 | 151 |
| 30 | 117 | 0.0 | 0.0 | 0.0 | --- | 272 | 219 | 304 | 335 | 248 | 221 | 153 |
| 31 | 116 | --- | 0.0 | 0.0 | --- | 248 | --- | 309 | --- | 252 | 216 | --- |
| TOTAL | 4533 | 1727.6 | 0.0 | 0.0 | 25 | 5927 | 7358 | 8136 | 6735 | 8068 | 7461 | 4706 |
| MEAN | 146 | 57.6 | 0.0 | 0.0 | 0.89 | 191 | 245 | 262 | 225 | 260 | 241 | 157 |
| AC-FT | 8990 | 3430 | 0.0 | 0.0 | 50 | 11760 | 14590 | 16140 | 13360 | 16000 | 14800 | 9330 |
| MAX | 164 | 119 | 0.0 | 0.0 | 25 | 272 | 309 | 309 | 339 | 340 | 253 | 176 |
| MIN | 116 | 0.0 | 0.0 | 0.0 | 0.0 | 96 | 158 | 181 | 0.0 | 0.0 | 216 | 145 |

CAL YR 1985 TOTAL 52202.6 MEAN 143 MAX 332 MIN 0.00 AC-FT 103500
WTR YR 1986 TOTAL 54676.6 MEAN 150 MAX 340 MIN 0.00 AC-FT 108500

MAX DISCH 346 CFS AT 0300 17-JUL-1986 GH 3.06 FT. SHIFT 0.00 FT. MAX GH 3.06 FT. AT 0300 17-JUL-1986



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1987)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

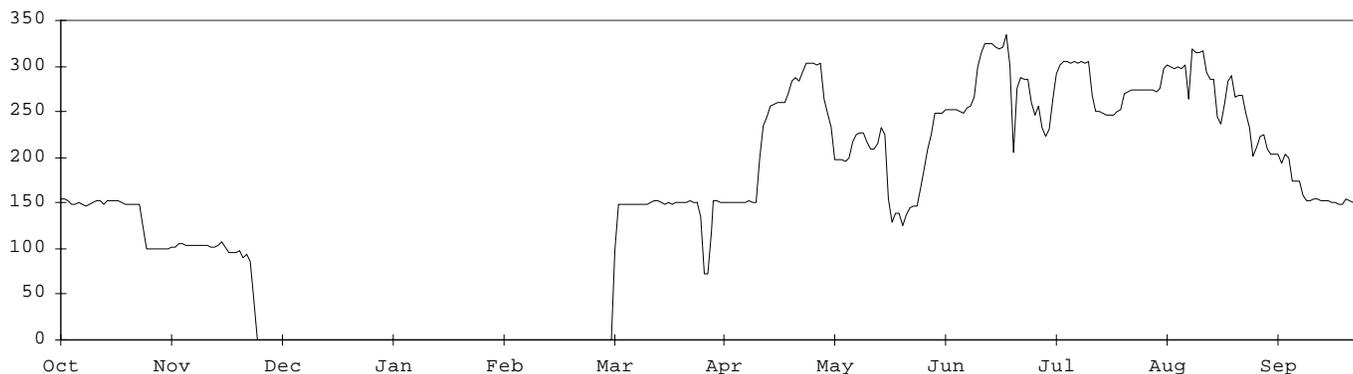
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|
| 1 | 154 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 120 | 302 | 209 | 247 | 273 | 212 |
| 2 | 154 | 101 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 304 | 224 | 256 | 273 | 222 |
| 3 | 152 | 105 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 264 | 249 | 233 | 274 | 224 |
| 4 | 149 | 105 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 249 | 249 | 223 | 272 | 210 |
| 5 | 148 | 104 | 0.0 | 0.0 | 0.0 | 97 | 150 | 232 | 248 | 231 | 275 | 204 |
| 6 | 151 | 103 | 0.0 | 0.0 | 0.0 | 149 | 151 | 197 | 252 | 264 | 298 | 204 |
| 7 | 149 | 104 | 0.0 | 0.0 | 0.0 | 149 | 151 | 198 | 252 | 292 | 301 | 204 |
| 8 | 147 | 104 | 0.0 | 0.0 | 0.0 | 149 | 151 | 198 | 253 | 302 | 300 | 193 |
| 9 | 149 | 104 | 0.0 | 0.0 | 0.0 | 149 | 150 | 196 | 253 | 306 | 298 | 204 |
| 10 | 151 | 104 | 0.0 | 0.0 | 0.0 | 149 | 151 | 200 | 250 | 306 | 299 | 200 |
| 11 | 153 | 103 | 0.0 | 0.0 | 0.0 | 148 | 151 | 217 | 249 | 304 | 297 | 174 |
| 12 | 153 | 101 | 0.0 | 0.0 | 0.0 | 148 | 152 | 225 | 254 | 305 | 302 | 175 |
| 13 | 149 | 101 | 0.0 | 0.0 | 0.0 | 148 | 151 | 227 | 257 | 304 | 264 | 175 |
| 14 | 152 | 104 | 0.0 | 0.0 | 0.0 | 149 | 151 | 227 | 265 | 305 | 319 | 159 |
| 15 | 153 | 107 | 0.0 | 0.0 | 0.0 | 150 | 199 | 217 | 299 | 304 | 315 | 153 |
| 16 | 152 | 102 | 0.0 | 0.0 | 0.0 | 152 | 235 | 209 | 314 | 305 | 314 | 153 |
| 17 | 152 | 96 | 0.0 | 0.0 | 0.0 | 152 | 244 | 209 | 325 | 267 | 316 | 154 |
| 18 | 151 | 96 | 0.0 | 0.0 | 0.0 | 150 | 256 | 216 | 324 | 250 | 294 | 154 |
| 19 | 149 | 95 | 0.0 | 0.0 | 0.0 | 149 | 258 | 233 | 324 | 250 | 286 | 152 |
| 20 | 149 | 97 | 0.0 | 0.0 | 0.0 | 150 | 260 | 224 | 321 | 248 | 286 | 152 |
| 21 | 148 | 89 | 0.0 | 0.0 | 0.0 | 148 | 260 | 154 | 318 | 247 | 244 | 152 |
| 22 | 148 | 94 | 0.0 | 0.0 | 0.0 | 150 | 261 | 129 | 320 | 247 | 237 | 151 |
| 23 | 148 | 87 | 0.0 | 0.0 | 0.0 | 150 | 269 | 139 | 334 | 247 | 259 | 150 |
| 24 | 124 | 43 | 0.0 | 0.0 | 0.0 | 150 | 284 | 139 | 302 | 250 | 283 | 149 |
| 25 | 100 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 287 | 126 | 206 | 253 | 290 | 148 |
| 26 | 100 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 284 | 137 | 276 | 270 | 266 | 154 |
| 27 | 100 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 293 | 145 | 288 | 271 | 267 | 152 |
| 28 | 99 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 304 | 147 | 286 | 273 | 267 | 150 |
| 29 | 100 | 0.0 | 0.0 | 0.0 | --- | 134 | 303 | 147 | 285 | 273 | 249 | 153 |
| 30 | 100 | 0.0 | 0.0 | 0.0 | --- | 72 | 304 | 166 | 260 | 274 | 232 | 154 |
| 31 | 100 | --- | 0.0 | 0.0 | --- | 72 | --- | 187 | --- | 274 | 202 | --- |
| TOTAL | 4284 | 2350 | 0.0 | 0.0 | 0.0 | 3819 | 6385 | 6160 | 8246 | 8381 | 8652 | 5191 |
| MEAN | 138 | 78.3 | 0.0 | 0.0 | 0.0 | 123 | 213 | 199 | 275 | 270 | 279 | 173 |
| AC-FT | 8500 | 4660 | 0.0 | 0.0 | 0.0 | 7570 | 12660 | 12220 | 16360 | 16620 | 17160 | 10300 |
| MAX | 154 | 107 | 0.0 | 0.0 | 0.0 | 152 | 304 | 304 | 334 | 306 | 319 | 224 |
| MIN | 99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 120 | 126 | 206 | 223 | 202 | 148 |

CAL YR 1986 TOTAL 55050 MEAN 151 MAX 340 MIN 0.00 AC-FT 109200
WTR YR 1987 TOTAL 53468 MEAN 146 MAX 334 MIN 0.00 AC-FT 106100

MAX DISCH 344 CFS AT 0930 23-JUN-1987 GH 3.05 FT. SHIFT 0.00 FT. MAX GH 3.05 FT. AT 0930 23-JUN-1987



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1988)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

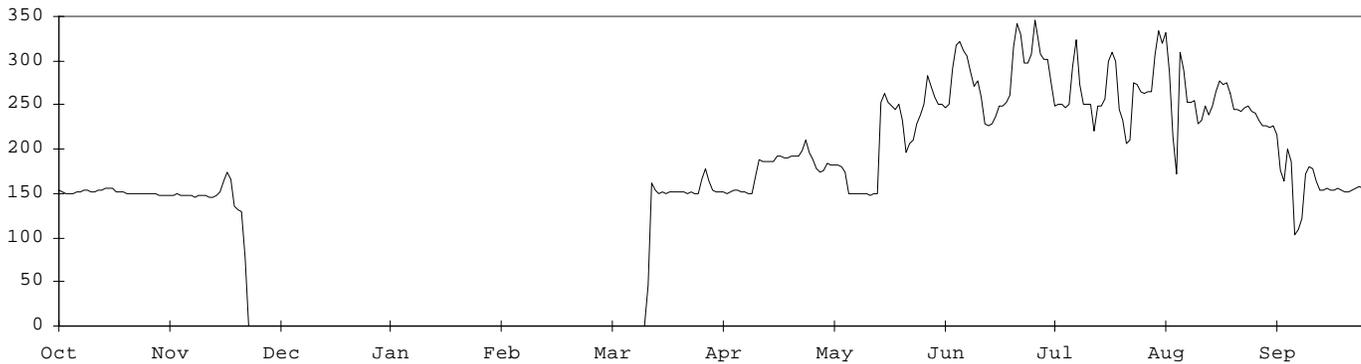
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|
| 1 | 153 | 148 | 0.0 | 0.0 | 0.0 | 0.0 | 154 | 174 | 272 | 333 | 265 | 232 |
| 2 | 152 | 148 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 176 | 259 | 308 | 266 | 227 |
| 3 | 149 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 184 | 250 | 301 | 308 | 227 |
| 4 | 150 | 148 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 183 | 250 | 301 | 333 | 224 |
| 5 | 150 | 147 | 0.0 | 0.0 | 0.0 | 0.0 | 149 | 182 | 247 | 276 | 320 | 227 |
| 6 | 151 | 147 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 182 | 251 | 249 | 332 | 216 |
| 7 | 151 | 147 | 0.0 | 0.0 | 0.0 | 0.0 | 153 | 180 | 291 | 250 | 287 | 177 |
| 8 | 153 | 146 | 0.0 | 0.0 | 0.0 | 0.0 | 153 | 173 | 318 | 250 | 215 | 163 |
| 9 | 153 | 147 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 150 | 322 | 247 | 171 | 201 |
| 10 | 151 | 147 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 149 | 311 | 251 | 309 | 187 |
| 11 | 152 | 147 | 0.0 | 0.0 | 0.0 | 0.0 | 150 | 149 | 306 | 294 | 289 | 104 |
| 12 | 153 | 146 | 0.0 | 0.0 | 0.0 | 0.0 | 150 | 149 | 287 | 323 | 253 | 109 |
| 13 | 154 | 146 | 0.0 | 0.0 | 0.0 | 0.0 | 169 | 149 | 272 | 273 | 252 | 122 |
| 14 | 155 | 147 | 0.0 | 0.0 | 0.0 | 46 | 188 | 149 | 278 | 250 | 254 | 171 |
| 15 | 156 | 151 | 0.0 | 0.0 | 0.0 | 161 | 187 | 148 | 259 | 251 | 228 | 180 |
| 16 | 156 | 164 | 0.0 | 0.0 | 0.0 | 153 | 187 | 149 | 229 | 250 | 233 | 178 |
| 17 | 152 | 175 | 0.0 | 0.0 | 0.0 | 149 | 186 | 149 | 227 | 220 | 248 | 163 |
| 18 | 152 | 165 | 0.0 | 0.0 | 0.0 | 151 | 186 | 252 | 228 | 249 | 238 | 153 |
| 19 | 151 | 135 | 0.0 | 0.0 | 0.0 | 150 | 193 | 263 | 236 | 248 | 248 | 153 |
| 20 | 149 | 131 | 0.0 | 0.0 | 0.0 | 152 | 192 | 252 | 248 | 257 | 266 | 155 |
| 21 | 149 | 130 | 0.0 | 0.0 | 0.0 | 152 | 191 | 248 | 248 | 300 | 277 | 153 |
| 22 | 149 | 76 | 0.0 | 0.0 | 0.0 | 152 | 191 | 245 | 252 | 310 | 273 | 153 |
| 23 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 192 | 250 | 261 | 300 | 276 | 156 |
| 24 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 193 | 233 | 316 | 244 | 263 | 153 |
| 25 | 150 | 0.0 | 0.0 | 0.0 | 0.0 | 150 | 193 | 197 | 342 | 233 | 244 | 152 |
| 26 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 198 | 206 | 330 | 207 | 244 | 152 |
| 27 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 150 | 211 | 210 | 298 | 210 | 243 | 153 |
| 28 | 149 | 0.0 | 0.0 | 0.0 | 0.0 | 150 | 196 | 228 | 297 | 276 | 246 | 156 |
| 29 | 148 | 0.0 | 0.0 | 0.0 | 0.0 | 165 | 188 | 239 | 308 | 273 | 248 | 157 |
| 30 | 148 | 0.0 | 0.0 | 0.0 | --- | 178 | 179 | 251 | 346 | 265 | 243 | 156 |
| 31 | 148 | --- | 0.0 | 0.0 | --- | 164 | --- | 283 | --- | 264 | 240 | --- |
| TOTAL | 4680 | 3187 | 0.0 | 0.0 | 0.0 | 2677 | 5236 | 6132 | 8339 | 8263 | 8112 | 5110 |
| MEAN | 151 | 106 | 0.0 | 0.0 | 0.0 | 86.4 | 175 | 198 | 278 | 267 | 262 | 170 |
| AC-FT | 9280 | 6320 | 0.0 | 0.0 | 0.0 | 5310 | 10390 | 12160 | 16540 | 16390 | 16090 | 10140 |
| MAX | 156 | 175 | 0.0 | 0.0 | 0.0 | 178 | 211 | 283 | 346 | 333 | 333 | 232 |
| MIN | 148 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 149 | 148 | 227 | 207 | 171 | 104 |

CAL YR 1987 TOTAL 54701 MEAN 150 MAX 334 MIN 0.00 AC-FT 108500
WTR YR 1988 TOTAL 51736 MEAN 141 MAX 346 MIN 0.00 AC-FT 102600

MAX DISCH 366 CFS AT 1530 24-JUN-1988 GH 3.17 FT. SHIFT 0.00 FT. MAX GH 3.17 FT. AT 1530 24-JUN-1988



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1989)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

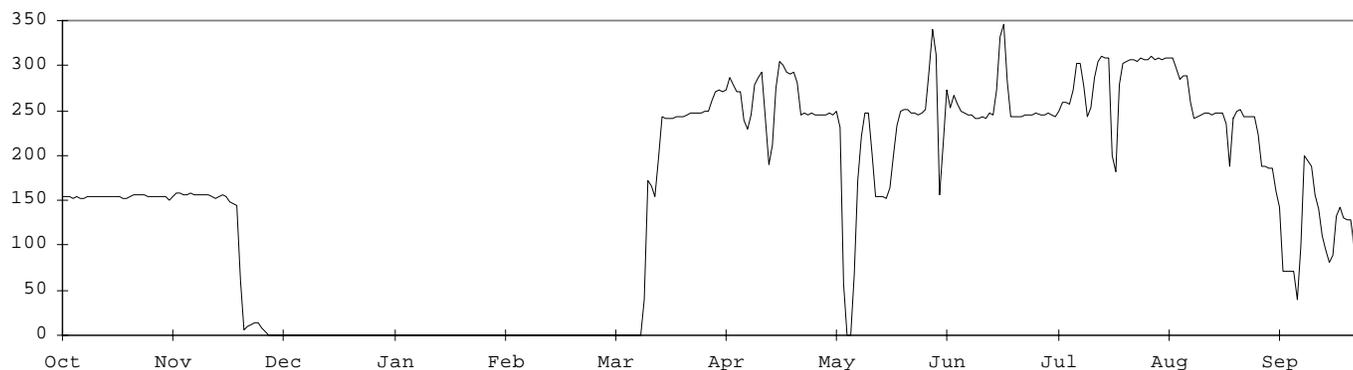
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|---------|-----|-----|-----|------|-------|-------|-------|-------|-------|------|
| 1 | 154 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 262 | 246 | 292 | 247 | 307 | 224 |
| 2 | 155 | 158 | 0.0 | 0.0 | 0.0 | 0.0 | 271 | 245 | 341 | 246 | 310 | 187 |
| 3 | 155 | 158 | 0.0 | 0.0 | 0.0 | 0.0 | 272 | 246 | 313 | 245 | 307 | 188 |
| 4 | 153 | 157 | 0.0 | 0.0 | 0.0 | 0.0 | 270 | 247 | 156 | 247 | 308 | 186 |
| 5 | 155 | 157 | 0.0 | 0.0 | 0.0 | 0.0 | 272 | 246 | 214 | 246 | 307 | 186 |
| 6 | 153 | 158 | 0.0 | 0.0 | 0.0 | 0.0 | 287 | 249 | 273 | 244 | 309 | 160 |
| 7 | 152 | 156 | 0.0 | 0.0 | 0.0 | 0.0 | 278 | 231 | 253 | 250 | 309 | 143 |
| 8 | 154 | 156 | 0.0 | 0.0 | 0.0 | 0.0 | 270 | 58 | 267 | 260 | 308 | 72 |
| 9 | 154 | 157 | 0.0 | 0.0 | 0.0 | 0.0 | 270 | 0.0 | 258 | 259 | 296 | 72 |
| 10 | 154 | 157 | 0.0 | 0.0 | 0.0 | 0.0 | 240 | 0.0 | 249 | 258 | 285 | 72 |
| 11 | 154 | 157 | 0.0 | 0.0 | 0.0 | 0.0 | 230 | 68 | 247 | 273 | 288 | 72 |
| 12 | 154 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 245 | 172 | 245 | 302 | 288 | 39 |
| 13 | 155 | 153 | 0.0 | 0.0 | 0.0 | 39 | 279 | 221 | 245 | 302 | 259 | 99 |
| 14 | 154 | 154 | 0.0 | 0.0 | 0.0 | 172 | 287 | 247 | 242 | 276 | 242 | 199 |
| 15 | 155 | 157 | 0.0 | 0.0 | 0.0 | 167 | 293 | 247 | 242 | 243 | 244 | 194 |
| 16 | 155 | 154 | 0.0 | 0.0 | 0.0 | 154 | 243 | 201 | 244 | 253 | 245 | 187 |
| 17 | 154 | 148 | 0.0 | 0.0 | 0.0 | 198 | 189 | 154 | 242 | 287 | 247 | 157 |
| 18 | 152 | 146 | 0.0 | 0.0 | 0.0 | 243 | 212 | 154 | 247 | 304 | 247 | 140 |
| 19 | 153 | 145 | 0.0 | 0.0 | 0.0 | 241 | 274 | 154 | 245 | 310 | 245 | 110 |
| 20 | 155 | 62 | 0.0 | 0.0 | 0.0 | 241 | 305 | 153 | 272 | 308 | 247 | 94 |
| 21 | 156 | 6.7 | 0.0 | 0.0 | 0.0 | 241 | 301 | 164 | 333 | 308 | 247 | 82 |
| 22 | 156 | 9.9 | 0.0 | 0.0 | 0.0 | 244 | 293 | 200 | 347 | 199 | 247 | 88 |
| 23 | 156 | 12 | 0.0 | 0.0 | 0.0 | 244 | 291 | 234 | 282 | 182 | 235 | 133 |
| 24 | 156 | 13 | 0.0 | 0.0 | 0.0 | 244 | 293 | 249 | 244 | 279 | 187 | 142 |
| 25 | 155 | 14 | 0.0 | 0.0 | 0.0 | 246 | 281 | 252 | 243 | 303 | 242 | 130 |
| 26 | 154 | 7.7 | 0.0 | 0.0 | 0.0 | 247 | 246 | 251 | 244 | 305 | 250 | 129 |
| 27 | 155 | 3.1 | 0.0 | 0.0 | 0.0 | 248 | 247 | 248 | 244 | 306 | 252 | 128 |
| 28 | 154 | 0.62 | 0.0 | 0.0 | 0.0 | 248 | 245 | 247 | 246 | 306 | 243 | 99 |
| 29 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 248 | 247 | 245 | 246 | 305 | 244 | 98 |
| 30 | 154 | 0.0 | 0.0 | 0.0 | 0.0 | 249 | 245 | 248 | 246 | 308 | 244 | 103 |
| 31 | 151 | --- | 0.0 | 0.0 | 0.0 | 249 | --- | 252 | --- | 306 | 243 | --- |
| TOTAL | 4781 | 3065.02 | 0.0 | 0.0 | 0.0 | 4163 | 7938 | 6129 | 7762 | 8467 | 8232 | 3913 |
| MEAN | 154 | 102 | 0.0 | 0.0 | 0.0 | 134 | 265 | 198 | 259 | 273 | 266 | 130 |
| AC-FT | 9480 | 6080 | 0.0 | 0.0 | 0.0 | 8260 | 15750 | 12160 | 15400 | 16790 | 16330 | 7760 |
| MAX | 156 | 158 | 0.0 | 0.0 | 0.0 | 249 | 305 | 252 | 347 | 310 | 310 | 224 |
| MIN | 151 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 189 | 0.0 | 156 | 182 | 187 | 39 |

CAL YR 1988 TOTAL 51715.02 MEAN 141 MAX 346 MIN 0.00 AC-FT 102600
WTR YR 1989 TOTAL 54450.02 MEAN 149 MAX 347 MIN 0.00 AC-FT 108000

MAX DISCH 357 CFS AT 1100 02-JUN-1989 GH 3.12 FT. SHIFT 0.00 FT. MAX GH 3.12 FT. AT 1100 02-JUN-1989



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL, NEAR FOWLER, CO (1990)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 15' Parshall flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

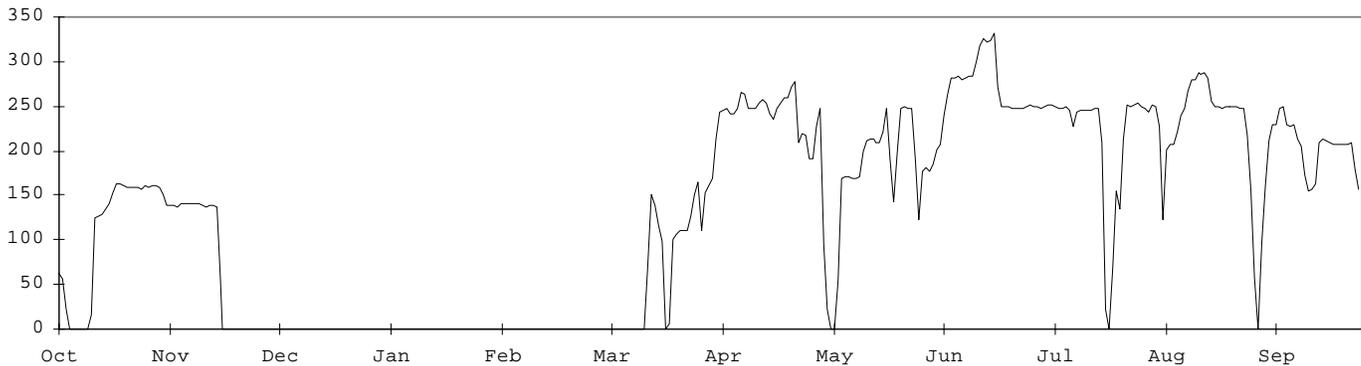
RATING TABLE.--CATCANCO02 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-----|-----|-----|--------|-------|-------|-------|-------|-------|-------|
| 1 | 63 | 139 | 0.0 | 0.0 | 0.0 | 0.0 | 160 | 228 | 181 | 250 | 248 | 59 |
| 2 | 56 | 138 | 0.0 | 0.0 | 0.0 | 0.0 | 168 | 247 | 178 | 250 | 244 | 0.0 |
| 3 | 22 | 137 | 0.0 | 0.0 | 0.0 | 0.0 | 213 | 95 | 186 | 248 | 252 | 97 |
| 4 | 0.0 | 140 | 0.0 | 0.0 | 0.0 | 0.0 | 244 | 23 | 201 | 250 | 249 | 159 |
| 5 | 0.0 | 140 | 0.0 | 0.0 | 0.0 | 0.0 | 246 | 0.0 | 208 | 251 | 228 | 211 |
| 6 | 0.0 | 140 | 0.0 | 0.0 | 0.0 | 0.0 | 247 | 0.0 | 240 | 251 | 122 | 229 |
| 7 | 0.0 | 140 | 0.0 | 0.0 | 0.0 | 0.0 | 242 | 55 | 263 | 249 | 202 | 230 |
| 8 | 0.0 | 140 | 0.0 | 0.0 | 0.0 | 0.0 | 242 | 168 | 282 | 248 | 207 | 248 |
| 9 | 0.0 | 140 | 0.0 | 0.0 | 0.0 | 0.0 | 248 | 171 | 281 | 247 | 208 | 250 |
| 10 | 16 | 139 | 0.0 | 0.0 | 0.0 | 0.0 | 265 | 170 | 283 | 250 | 222 | 229 |
| 11 | 124 | 137 | 0.0 | 0.0 | 0.0 | 0.0 | 264 | 169 | 280 | 246 | 240 | 227 |
| 12 | 126 | 138 | 0.0 | 0.0 | 0.0 | 0.0 | 248 | 169 | 281 | 228 | 248 | 230 |
| 13 | 128 | 139 | 0.0 | 0.0 | 0.0 | 0.0 | 247 | 171 | 283 | 244 | 268 | 213 |
| 14 | 134 | 136 | 0.0 | 0.0 | 0.0 | 0.0 | 247 | 199 | 283 | 246 | 280 | 206 |
| 15 | 141 | 54 | 0.0 | 0.0 | 0.0 | 73 | 254 | 212 | 299 | 246 | 280 | 172 |
| 16 | 152 | 0.0 | 0.0 | 0.0 | 0.0 | 151 | 257 | 213 | 317 | 246 | 287 | 155 |
| 17 | 162 | 0.0 | 0.0 | 0.0 | 0.0 | 138 | 254 | 213 | 326 | 246 | 286 | 156 |
| 18 | 162 | 0.0 | 0.0 | 0.0 | 0.0 | 117 | 241 | 210 | 322 | 248 | 288 | 163 |
| 19 | 160 | 0.0 | 0.0 | 0.0 | 0.0 | 98 | 235 | 209 | 323 | 247 | 282 | 210 |
| 20 | 158 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 247 | 222 | 331 | 209 | 256 | 213 |
| 21 | 158 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 254 | 248 | 271 | 23 | 249 | 212 |
| 22 | 158 | 0.0 | 0.0 | 0.0 | 0.0 | 100 | 259 | 190 | 250 | 0.0 | 249 | 209 |
| 23 | 158 | 0.0 | 0.0 | 0.0 | 0.0 | 107 | 260 | 143 | 250 | 68 | 248 | 208 |
| 24 | 157 | 0.0 | 0.0 | 0.0 | 0.0 | 110 | 272 | 199 | 249 | 154 | 250 | 207 |
| 25 | 160 | 0.0 | 0.0 | 0.0 | 0.0 | 111 | 277 | 247 | 248 | 135 | 250 | 208 |
| 26 | 159 | 0.0 | 0.0 | 0.0 | 0.0 | 111 | 209 | 250 | 247 | 214 | 249 | 207 |
| 27 | 160 | 0.0 | 0.0 | 0.0 | 0.0 | 126 | 220 | 248 | 248 | 252 | 249 | 208 |
| 28 | 161 | 0.0 | 0.0 | 0.0 | 0.0 | 150 | 218 | 248 | 247 | 250 | 248 | 210 |
| 29 | 159 | 0.0 | 0.0 | 0.0 | 0.0 | 164 | 192 | 191 | 250 | 252 | 247 | 179 |
| 30 | 151 | 0.0 | 0.0 | 0.0 | --- | 111 | 191 | 123 | 252 | 254 | 218 | 156 |
| 31 | 138 | --- | 0.0 | 0.0 | --- | 153 | --- | 177 | --- | 250 | 154 | --- |
| TOTAL | 3323 | 1997 | 0.0 | 0.0 | 0.0 | 1826.3 | 7121 | 5408 | 7860 | 6752 | 7508 | 5661 |
| MEAN | 107 | 66.6 | 0.0 | 0.0 | 0.0 | 58.9 | 237 | 174 | 262 | 218 | 242 | 189 |
| AC-FT | 6590 | 3960 | 0.0 | 0.0 | 0.0 | 3620 | 14120 | 10730 | 15590 | 13390 | 14890 | 11230 |
| MAX | 162 | 140 | 0.0 | 0.0 | 0.0 | 164 | 277 | 250 | 331 | 254 | 288 | 250 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 160 | 0.0 | 178 | 0.0 | 122 | 0.0 |

CAL YR 1989 TOTAL 51924 MEAN 142 MAX 347 MIN 0.00 AC-FT 103000
WTR YR 1990 TOTAL 47456.3 MEAN 130 MAX 331 MIN 0.00 AC-FT 94130

MAX DISCH 340 CFS AT 1045 16-JUN-1990 GH 3.03 FT. SHIFT 0.00 FT. MAX GH 3.03 FT. AT 1045 16-JUN-1990



ARKANSAS RIVER BASIN

07126100 LUNING ARROYO NEAR MODEL, CO (1980)

LOCATION.--Lat 37°18'16", long 104°00'54", in sec, 33, T.31 S., R.59 W., Las Animas County, on right bank 600 ft. downstream from ford, 6 mi upstream from mouth, 13.5 mi east of Model, and 29 mi northeast of Trinidad.

DRAINAGE AREA.--86 mi².

GAGE.--Water-stage recorder and crest stage recorder.

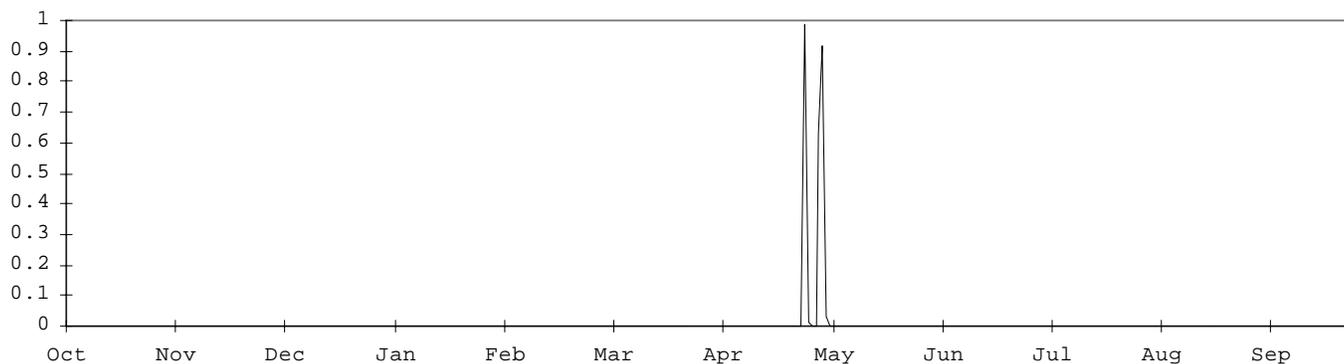
RATING TABLE.--LUARMOCO03 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.63 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.92 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.03 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.00 | 1.58 | 0.0 | 0.0 | 0.0 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.03 | 0.05 | 0.0 | 0.0 | 0.0 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.99 | 0.92 | 0.0 | 0.0 | 0.0 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CAL YR 1979 TOTAL 282.86 MEAN 0.77 MAX 54 MIN 0.00 AC-FT 561
WTR YR 1980 TOTAL 2.58 MEAN 0.01 MAX 0.99 MIN 0.00 AC-FT 5.1

MAX DISCH 2.9 CFS AT 0400 27-APR-1980 GH 1.54 FT. SHIFT -0.17 FT. MAX GH 1.54 FT. AT 0400 27-APR-1980



ARKANSAS RIVER BASIN

07126100 LUNING ARROYO NEAR MODEL, CO (1981)

LOCATION.--Lat 37°18'16", long 104°00'54", in sec, 33, T.31 S., R.59 W., Las Animas County, on right bank 600 ft. downstream from ford, 6 mi upstream from mouth, 13.5 mi east of Model, and 29 mi northeast of Trinidad.

DRAINAGE AREA.--86 mi².

GAGE.--Water-stage recorder and crest stage recorder.

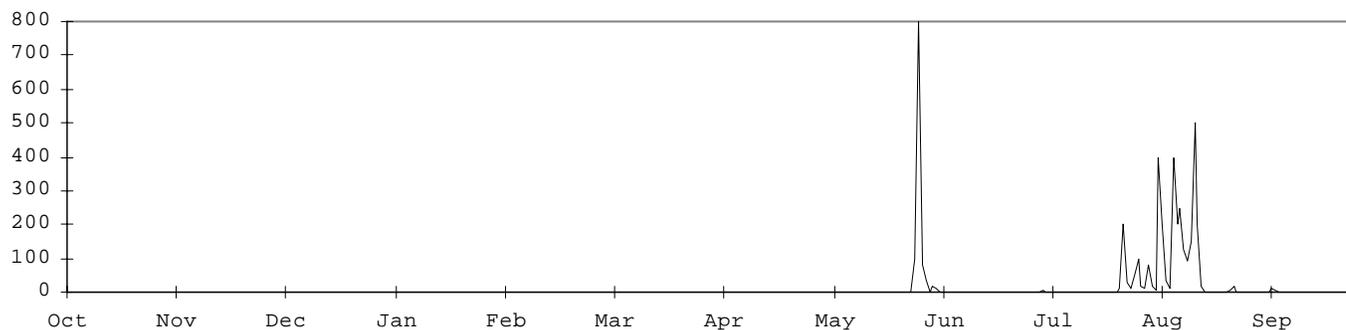
RATING TABLE.--LUARMOC03 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|------|------|--------|---------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 0.0 | 20 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 10 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 0.0 | 80 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 4.0 | 20 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.02 | 5.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 400 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 200 | 14 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 4.6 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 0.02 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 400 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 200 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 250 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 125 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 150 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 500 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 200 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 5.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 200 | 16 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 100 | 0.0 | 10 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 800 | 0.0 | 50 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 80 | --- | 100 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 980 | 68.0 | 404.02 | 2731.56 | 18.62 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31.6 | 2.27 | 13.0 | 88.1 | 0.62 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1940 | 135 | 801 | 5420 | 37 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 800 | 35 | 200 | 500 | 14 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CAL YR 1980 TOTAL 2.58 MEAN 0.01 MAX 0.99 MIN 0.00 AC-FT 5.1
WTR YR 1981 TOTAL 4202.20 MEAN 11.5 MAX 800 MIN 0.00 AC-FT 8340

MAX DISCH 4260 CFS AT 0030 30-MAY-1981 GH 11.2 FT. SHIFT 0.0 FT. MAX GH 11.2 FT. AT 0030 30-MAY-1981



ARKANSAS RIVER BASIN

07126100 LUNING ARROYO NEAR MODEL, CO (1982)

LOCATION.--Lat 37°18'16", long 104°00'54", in sec, 33, T.31 S., R.59 W., Las Animas County, on right bank 600 ft. downstream from ford, 6 mi upstream from mouth, 13.5 mi east of Model, and 29 mi northeast of Trinidad.

DRAINAGE AREA.--86 mi².

GAGE.--Water-stage recorder and crest stage recorder.

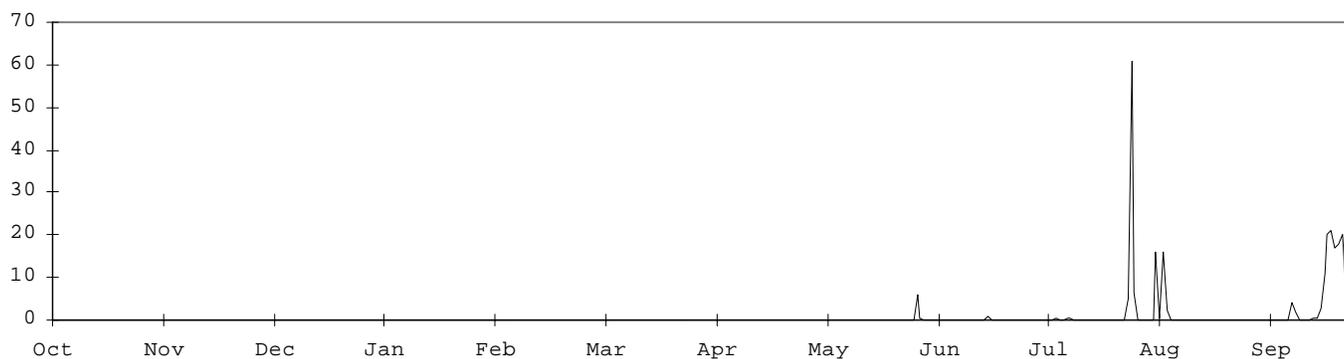
RATING TABLE.--LUARMOCO03 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|------|------|-------|-------|--------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.31 | 0.0 | 0.10 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.54 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.46 | 2.5 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.04 | 0.02 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.04 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.26 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.44 | 0.0 | 4.1 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.06 | 0.0 | 1.9 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.20 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.23 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.74 | 0.0 | 0.0 | 0.40 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 0.23 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.0 | 61 | 0.0 | 3.8 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 5.8 | --- | 6.3 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 1.05 | 73.60 | 35.16 | 126.27 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.19 | 0.04 | 2.37 | 1.13 | 4.21 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.1 | 146 | 70 | 250 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.74 | 61 | 16 | 21 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CAL YR 1981 TOTAL 4202.20 MEAN 11.5 MAX 800 MIN 0.00 AC-FT 8340
WTR YR 1982 TOTAL 241.88 MEAN 0.66 MAX 61 MIN 0.00 AC-FT 480

MAX DISCH 92 CFS AT 0100 30-JUL-1982 GH 3.37 FT. SHIFT +0.17 FT. MAX GH 3.37 FT. AT 0100 30-JUL-1982



ARKANSAS RIVER BASIN

07126100 LUNING ARROYO NEAR MODEL, CO (1983)

LOCATION.--Lat 37°18'16", long 104°00'54", in sec, 33, T.31 S., R.59 W., Las Animas County, on right bank 600 ft. downstream from ford, 6 mi upstream from mouth, 13.5 mi east of Model, and 29 mi northeast of Trinidad.

DRAINAGE AREA.--86 mi².

GAGE.--Water-stage recorder and crest stage recorder.

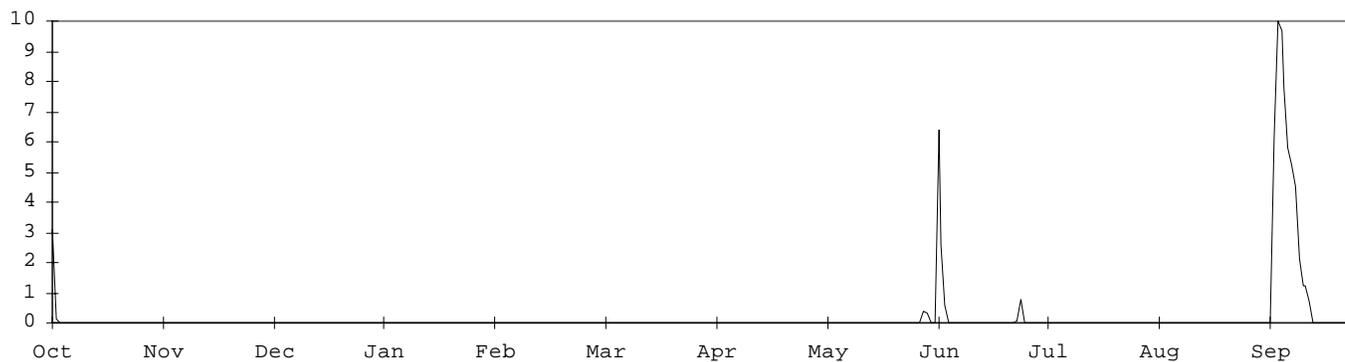
RATING TABLE.--LUARMOC03 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-------|
| 1 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.32 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.60 | 0.0 | 0.0 | 6.2 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.8 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.73 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.07 | 0.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.78 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 0.0 | 0.0 | --- |
| TOTAL | 3.22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.13 | 0.0 | 0.0 | 54.43 |
| MEAN | 0.10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.37 | 0.0 | 0.0 | 1.81 |
| AC-FT | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 0.0 | 0.0 | 108 |
| MAX | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | 10 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CAL YR 1982 TOTAL 245.10 MEAN 0.67 MAX 61 MIN 0.00 AC-FT 486
WTR YR 1983 TOTAL 68.78 MEAN 0.19 MAX 10 MIN 0.00 AC-FT 136

MAX DISCH 14.3 CFS AT 0630 06-JUN-1983 GH 1.82 FT. SHIFT +0.05 FT. MAX GH 1.82 FT. AT 0630 06-JUN-1983



ARKANSAS RIVER BASIN

07126100 LUNING ARROYO NEAR MODEL, CO (1984)

LOCATION.--Lat 37°18'16", long 104°00'54", in sec, 33, T.31 S., R.59 W., Las Animas County, on right bank 600 ft. downstream from ford, 6 mi upstream from mouth, 13.5 mi east of Model, and 29 mi northeast of Trinidad.

DRAINAGE AREA.--86 mi².

GAGE.--Water-stage recorder and crest stage recorder.

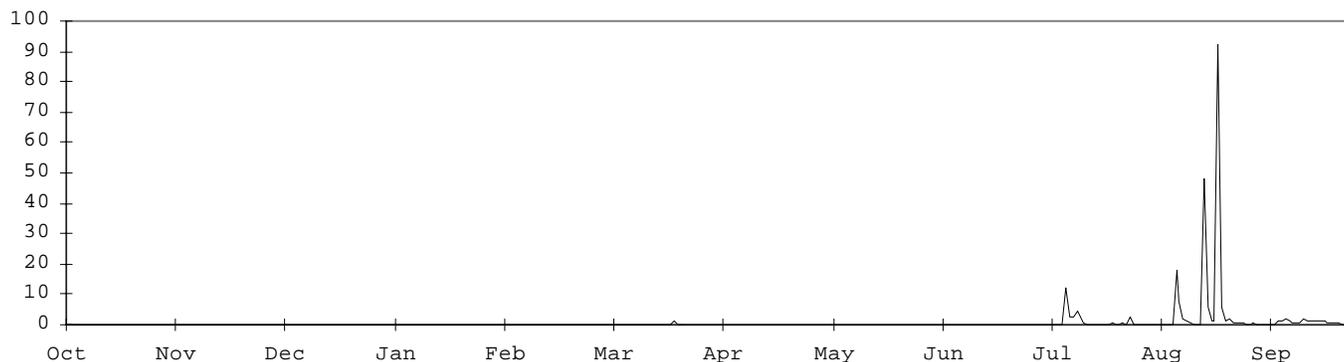
RATING TABLE.--LUARMOCO03 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|------|-----|-----|------|-------|--------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.32 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.12 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.08 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.26 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.26 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.17 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 18 | 1.8 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 7.8 | 1.2 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 2.2 | 0.85 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 1.3 | 0.85 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.49 | 0.57 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.78 | 0.23 | 1.8 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.20 | 0.04 | 1.6 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 48 | 1.5 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 1.2 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.29 | 0.0 | 0.0 | 0.0 | 0.14 | 92 | 0.66 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.10 | 0.0 | 0.0 | 0.0 | 0.36 | 5.6 | 0.66 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.54 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.16 | 1.8 | 0.49 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.40 | 0.85 | 0.32 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.10 | 0.29 | 0.40 | 0.14 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.60 | 0.12 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.40 | 0.12 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.17 | 0.14 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 0.0 | 0.12 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.39 | 0.0 | 0.0 | 0.10 | 27.83 | 189.30 | 22.90 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.04 | 0.0 | 0.0 | 0.00 | 0.90 | 6.11 | 0.76 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.20 | 55 | 375 | 45 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.10 | 12 | 92 | 1.8 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.08 |

CAL YR 1983 TOTAL 65.56 MEAN 0.18 MAX 10 MIN 0.00 AC-FT 130
WTR YR 1984 TOTAL 241.52 MEAN 0.66 MAX 92 MIN 0.00 AC-FT 479

MAX DISCH 960 CFS AT 1700 22-AUG-1984 GH 8.60 FT. SHIFT 0.00 FT. MAX GH 8.60 FT. AT 1700 22-AUG-1984



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1980)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

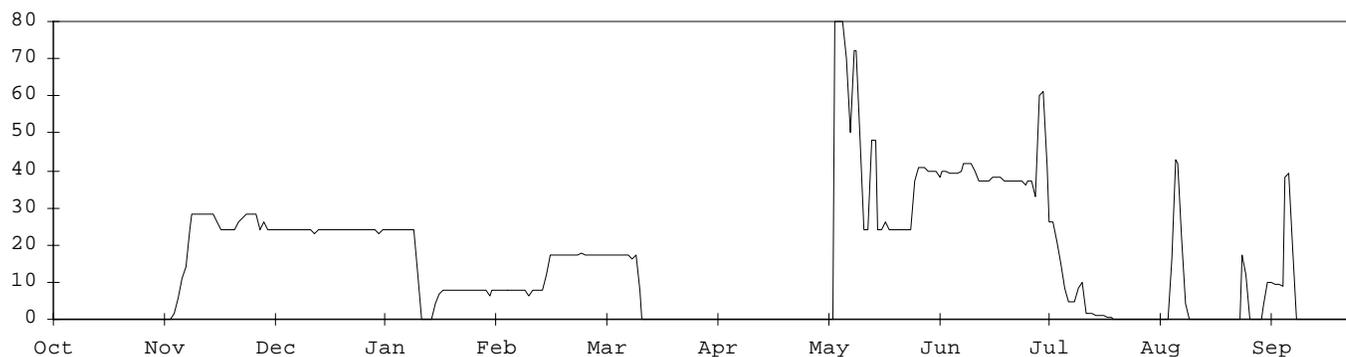
RATING TABLE.--NMCHIGC001 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-------|------|-------|-------|-------|-----|------|------|--------|-------|-------|
| 1 | 0.0 | 0.0 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 41 | 37 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 40 | 33 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 40 | 60 | 0.0 | 0.0 |
| 4 | 0.0 | 1.6 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 40 | 61 | 0.0 | 3.9 |
| 5 | 0.0 | 5.6 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 38 | 41 | 0.0 | 10 |
| 6 | 0.0 | 11 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 40 | 26 | 0.0 | 9.8 |
| 7 | 0.0 | 14 | 24 | 24 | 7.9 | 17 | 0.0 | 80 | 40 | 26 | 0.0 | 9.2 |
| 8 | 0.0 | 24 | 24 | 24 | 7.9 | 17 | 0.0 | 80 | 39 | 21 | 0.0 | 9.2 |
| 9 | 0.0 | 28 | 24 | 24 | 7.9 | 17 | 0.0 | 80 | 39 | 15 | 16 | 8.7 |
| 10 | 0.0 | 28 | 24 | 24 | 7.9 | 17 | 0.0 | 70 | 39 | 8.6 | 43 | 38 |
| 11 | 0.0 | 28 | 24 | 12 | 6.5 | 16 | 0.0 | 50 | 40 | 4.9 | 42 | 39 |
| 12 | 0.0 | 28 | 24 | 0.0 | 7.9 | 17 | 0.0 | 72 | 42 | 4.7 | 22 | 19 |
| 13 | 0.0 | 28 | 23 | 0.0 | 7.9 | 8.0 | 0.0 | 72 | 42 | 4.5 | 4.1 | 0.0 |
| 14 | 0.0 | 28 | 24 | 0.0 | 7.9 | 0.0 | 0.0 | 48 | 42 | 8.6 | 0.0 | 0.0 |
| 15 | 0.0 | 28 | 24 | 0.0 | 7.9 | 0.0 | 0.0 | 24 | 40 | 10 | 0.0 | 0.0 |
| 16 | 0.0 | 26 | 24 | 4.0 | 12 | 0.0 | 0.0 | 24 | 37 | 1.6 | 0.0 | 0.0 |
| 17 | 0.0 | 24 | 24 | 7.0 | 17 | 0.0 | 0.0 | 48 | 37 | 1.6 | 0.0 | 0.0 |
| 18 | 0.0 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 48 | 37 | 1.6 | 0.0 | 0.0 |
| 19 | 0.0 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 24 | 37 | 1.3 | 0.0 | 0.0 |
| 20 | 0.0 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 24 | 38 | 1.0 | 0.0 | 0.0 |
| 21 | 0.0 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 26 | 38 | 0.80 | 0.0 | 0.0 |
| 22 | 0.0 | 26 | 24 | 7.9 | 17 | 0.0 | 0.0 | 24 | 38 | 0.61 | 0.0 | 0.0 |
| 23 | 0.0 | 27 | 24 | 7.9 | 17 | 0.0 | 0.0 | 24 | 37 | 0.40 | 0.0 | 0.0 |
| 24 | 0.0 | 28 | 24 | 7.9 | 17 | 0.0 | 0.0 | 24 | 37 | 0.20 | 0.0 | 0.0 |
| 25 | 0.0 | 28 | 24 | 7.9 | 17 | 0.0 | 0.0 | 24 | 37 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 28 | 24 | 7.9 | 18 | 0.0 | 0.0 | 24 | 37 | 0.0 | 0.0 | 0.0 |
| 27 | 0.0 | 28 | 24 | 7.9 | 17 | 0.0 | 0.0 | 24 | 37 | 0.0 | 0.0 | 0.0 |
| 28 | 0.0 | 24 | 24 | 7.9 | 17 | 0.0 | 0.0 | 24 | 37 | 0.0 | 0.0 | 0.0 |
| 29 | 0.0 | 26 | 24 | 7.9 | 17 | 0.0 | 0.0 | 37 | 36 | 0.0 | 17 | 0.0 |
| 30 | 0.0 | 24 | 24 | 7.9 | --- | 0.0 | 0.0 | 41 | 37 | 0.0 | 12 | 0.0 |
| 31 | 0.0 | --- | 23 | 6.2 | --- | 0.0 | --- | 41 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0.0 | 637.2 | 742 | 371.9 | 351.1 | 211.0 | 0.0 | 1057 | 1159 | 370.41 | 156.1 | 146.8 |
| MEAN | 0.0 | 21.2 | 23.9 | 12.0 | 12.1 | 6.81 | 0.0 | 34.1 | 38.6 | 11.9 | 5.04 | 4.89 |
| AC-FT | 0.0 | 1260 | 1470 | 738 | 696 | 419 | 0.0 | 2100 | 2300 | 735 | 310 | 291 |
| MAX | 0.0 | 28 | 24 | 24 | 18 | 17 | 0.0 | 80 | 42 | 61 | 43 | 39 |
| MIN | 0.0 | 0.0 | 23 | 0.0 | 6.5 | 0.0 | 0.0 | 0.0 | 36 | 0.0 | 0.0 | 0.0 |

CAL YR 1979 TOTAL 4281.4 MEAN 11.7 MAX 67 MIN 0.00 AC-FT 8490
WTR YR 1980 TOTAL 5202.51 MEAN 14.2 MAX 80 MIN 0.00 AC-FT 10320

MAX DAILY DISCH 80 CFS (EST) MAY 7-9, 1980



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1981)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

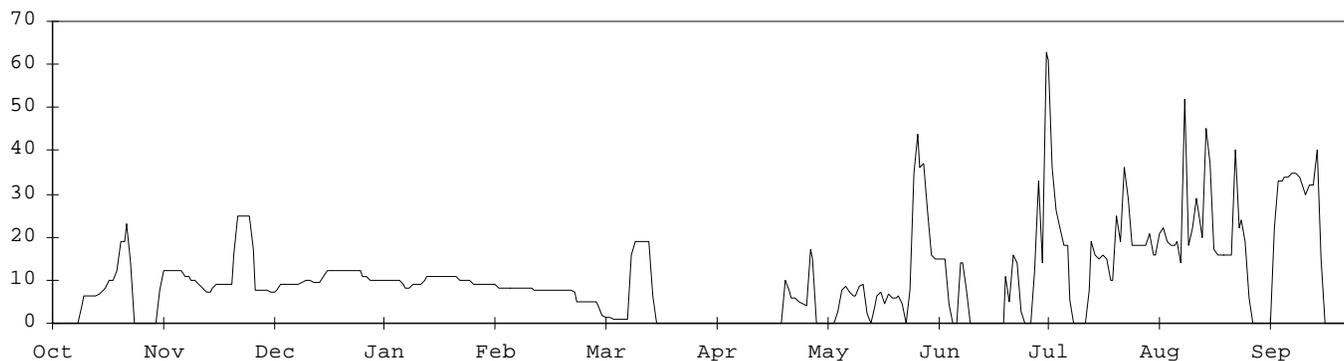
RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 1 | 0.0 | 12 | 7.4 | 10 | 9.0 | 5.0 | 0.0 | 17 | 36 | 0.0 | 18 | 5.8 |
| 2 | 0.0 | 12 | 7.2 | 10 | 9.0 | 5.0 | 0.0 | 15 | 37 | 0.0 | 18 | 0.0 |
| 3 | 0.0 | 12 | 7.9 | 10 | 8.0 | 4.0 | 0.0 | 0.0 | 26 | 12 | 18 | 0.0 |
| 4 | 0.0 | 12 | 9.2 | 10 | 8.0 | 2.0 | 0.0 | 0.0 | 16 | 33 | 21 | 0.0 |
| 5 | 0.0 | 12 | 9.2 | 10 | 8.0 | 1.5 | 0.0 | 0.0 | 15 | 14 | 16 | 0.0 |
| 6 | 0.0 | 12 | 9.2 | 10 | 8.0 | 1.3 | 0.0 | 0.0 | 15 | 63 | 16 | 0.0 |
| 7 | 0.0 | 11 | 9.2 | 9.0 | 8.0 | 1.0 | 0.0 | 0.0 | 15 | 61 | 21 | 0.0 |
| 8 | 0.0 | 11 | 9.2 | 8.0 | 8.0 | 1.0 | 0.0 | 0.0 | 15 | 36 | 22 | 22 |
| 9 | 4.0 | 10 | 9.2 | 8.0 | 8.0 | 1.0 | 0.0 | 2.9 | 4.7 | 26 | 19 | 33 |
| 10 | 6.5 | 10 | 9.5 | 9.0 | 8.0 | 1.0 | 0.0 | 7.9 | 0.0 | 22 | 18 | 33 |
| 11 | 6.5 | 9.0 | 9.8 | 9.0 | 8.0 | 1.0 | 0.0 | 8.5 | 0.0 | 18 | 18 | 34 |
| 12 | 6.5 | 8.0 | 9.8 | 9.0 | 8.0 | 1.6 | 0.0 | 7.2 | 14 | 18 | 19 | 34 |
| 13 | 6.5 | 7.4 | 9.5 | 10 | 7.7 | 19 | 0.0 | 6.2 | 14 | 5.2 | 14 | 35 |
| 14 | 7.0 | 7.2 | 9.5 | 11 | 7.5 | 19 | 0.20 | 6.2 | 7.7 | 0.0 | 52 | 35 |
| 15 | 7.9 | 8.2 | 9.5 | 11 | 7.5 | 19 | 0.0 | 8.5 | 0.0 | 0.0 | 18 | 34 |
| 16 | 8.2 | 9.0 | 11 | 11 | 7.5 | 19 | 0.0 | 9.2 | 0.0 | 0.0 | 22 | 31 |
| 17 | 10 | 9.0 | 12 | 11 | 7.5 | 19 | 0.0 | 2.4 | 0.0 | 0.0 | 29 | 30 |
| 18 | 10 | 9.2 | 12 | 11 | 7.5 | 6.3 | 0.0 | 0.0 | 0.0 | 7.9 | 26 | 32 |
| 19 | 12 | 9.0 | 12 | 11 | 7.5 | 0.0 | 0.0 | 3.9 | 0.0 | 19 | 20 | 32 |
| 20 | 19 | 9.0 | 12 | 11 | 7.5 | 0.0 | 0.0 | 6.2 | 0.0 | 16 | 45 | 40 |
| 21 | 19 | 16 | 12 | 11 | 7.5 | 0.0 | 0.0 | 7.2 | 0.0 | 15 | 37 | 15 |
| 22 | 23 | 25 | 12 | 11 | 7.5 | 0.0 | 0.0 | 4.5 | 0.0 | 16 | 17 | 0.0 |
| 23 | 14 | 25 | 12 | 10 | 7.5 | 0.0 | 0.16 | 6.7 | 0.0 | 15 | 16 | 0.0 |
| 24 | 0.0 | 25 | 12 | 10 | 7.4 | 0.0 | 10 | 6.0 | 0.0 | 10 | 16 | 0.0 |
| 25 | 0.0 | 25 | 12 | 10 | 5.0 | 0.0 | 7.7 | 6.0 | 11 | 9.8 | 16 | 0.0 |
| 26 | 0.0 | 17 | 12 | 10 | 5.0 | 0.0 | 6.0 | 6.5 | 5.1 | 25 | 16 | 0.0 |
| 27 | 0.0 | 7.9 | 11 | 9.0 | 5.0 | 0.0 | 5.8 | 4.7 | 16 | 19 | 16 | 0.0 |
| 28 | 0.0 | 7.9 | 11 | 9.0 | 5.0 | 0.0 | 4.9 | 0.0 | 14 | 36 | 40 | 0.0 |
| 29 | 0.0 | 7.9 | 10 | 9.0 | --- | 0.0 | 4.7 | 7.7 | 2.5 | 29 | 22 | 0.0 |
| 30 | 0.0 | 7.7 | 10 | 9.0 | --- | 0.0 | 4.1 | 35 | 0.0 | 18 | 24 | 0.0 |
| 31 | 7.6 | --- | 10 | 9.0 | --- | 0.0 | --- | 44 | --- | 18 | 19 | --- |
| TOTAL | 167.7 | 363.4 | 318.3 | 306.0 | 208.1 | 141.1 | 43.56 | 229.4 | 264.0 | 561.9 | 689 | 445.8 |
| MEAN | 5.41 | 12.1 | 10.3 | 9.87 | 7.43 | 4.55 | 1.45 | 7.40 | 8.80 | 18.1 | 22.2 | 14.9 |
| AC-FT | 333 | 721 | 631 | 607 | 413 | 280 | 86 | 455 | 524 | 1110 | 1370 | 884 |
| MAX | 23 | 25 | 12 | 11 | 9.0 | 19 | 10 | 44 | 37 | 63 | 52 | 40 |
| MIN | 0.0 | 7.2 | 7.2 | 8.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 0.0 |

CAL YR 1980 TOTAL 4672.71 MEAN 12.8 MAX 80 MIN 0.00 AC-FT 9270
WTR YR 1981 TOTAL 3738.26 MEAN 10.2 MAX 63 MIN 0.00 AC-FT 7410

MAX DISCH 136 CFS AT 0230 30-MAY-1981 GH 3.17 FT. SHIFT -0.24 FT. MAX GH 3.17 FT. AT 0230 30-MAY-1981



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1982)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

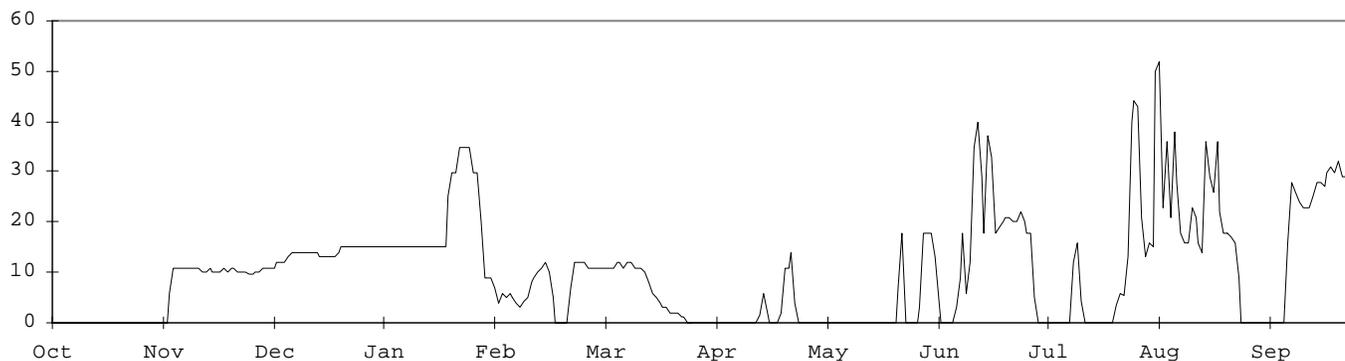
RATING TABLE.--NMCHIGC001 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-------|------|-------|-------|-------|------|------|-------|-------|-------|------|
| 1 | 0.0 | 0.0 | 11 | 15 | 9.0 | 11 | 0.0 | 0.0 | 3.2 | 18 | 43 | 0.0 |
| 2 | 0.0 | 0.0 | 11 | 15 | 7.0 | 11 | 0.0 | 0.0 | 18 | 18 | 21 | 0.0 |
| 3 | 0.0 | 6.0 | 12 | 15 | 4.0 | 11 | 0.0 | 0.0 | 18 | 5.2 | 13 | 0.0 |
| 4 | 0.0 | 11 | 12 | 15 | 6.0 | 11 | 0.0 | 0.0 | 18 | 0.0 | 16 | 0.0 |
| 5 | 0.0 | 11 | 12 | 15 | 5.0 | 11 | 0.0 | 0.0 | 13 | 0.0 | 15 | 0.0 |
| 6 | 0.0 | 11 | 13 | 15 | 6.0 | 11 | 0.0 | 0.0 | 4.3 | 0.0 | 50 | 0.0 |
| 7 | 0.0 | 11 | 14 | 15 | 5.0 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 52 | 0.0 |
| 8 | 0.0 | 11 | 14 | 15 | 4.0 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 0.0 |
| 9 | 0.0 | 11 | 14 | 15 | 3.0 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 36 | 0.0 |
| 10 | 0.0 | 11 | 14 | 15 | 4.3 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 0.0 |
| 11 | 0.0 | 11 | 14 | 15 | 5.0 | 12 | 0.0 | 0.0 | 3.0 | 0.0 | 38 | 0.0 |
| 12 | 0.0 | 10 | 14 | 15 | 8.0 | 12 | 0.0 | 0.0 | 9.0 | 0.0 | 28 | 16 |
| 13 | 0.0 | 10 | 14 | 15 | 9.0 | 11 | 0.0 | 0.0 | 18 | 0.0 | 18 | 28 |
| 14 | 0.0 | 11 | 14 | 15 | 10 | 11 | 0.0 | 0.0 | 6.0 | 12 | 16 | 26 |
| 15 | 0.0 | 10 | 13 | 15 | 11 | 11 | 0.0 | 0.0 | 12 | 16 | 16 | 24 |
| 16 | 0.0 | 10 | 13 | 15 | 12 | 10 | 0.0 | 0.0 | 35 | 4.3 | 23 | 23 |
| 17 | 0.0 | 10 | 13 | 15 | 10 | 8.0 | 1.7 | 0.0 | 40 | 0.0 | 21 | 23 |
| 18 | 0.0 | 11 | 13 | 15 | 5.0 | 6.0 | 6.0 | 0.0 | 29 | 0.0 | 16 | 23 |
| 19 | 0.0 | 10 | 13 | 15 | 0.0 | 5.0 | 1.8 | 0.0 | 18 | 0.0 | 14 | 25 |
| 20 | 0.0 | 11 | 14 | 25 | 0.0 | 4.0 | 0.0 | 0.0 | 37 | 0.0 | 36 | 28 |
| 21 | 0.0 | 11 | 15 | 30 | 0.0 | 3.0 | 0.0 | 0.0 | 33 | 0.0 | 29 | 28 |
| 22 | 0.0 | 10 | 15 | 30 | 0.0 | 3.0 | 0.0 | 0.0 | 18 | 0.0 | 26 | 27 |
| 23 | 0.0 | 10 | 15 | 35 | 7.0 | 2.0 | 2.1 | 0.0 | 19 | 0.0 | 36 | 30 |
| 24 | 0.0 | 10 | 15 | 35 | 12 | 2.0 | 11 | 0.0 | 20 | 0.0 | 22 | 31 |
| 25 | 0.0 | 9.8 | 15 | 35 | 12 | 2.0 | 11 | 0.0 | 21 | 0.0 | 18 | 30 |
| 26 | 0.0 | 9.8 | 15 | 35 | 12 | 1.0 | 14 | 7.1 | 21 | 3.4 | 18 | 32 |
| 27 | 0.0 | 10 | 15 | 30 | 12 | 1.0 | 3.8 | 18 | 20 | 5.8 | 17 | 29 |
| 28 | 0.0 | 10 | 15 | 30 | 11 | 0.0 | 0.0 | 0.0 | 20 | 5.5 | 16 | 29 |
| 29 | 0.0 | 11 | 15 | 20 | --- | 0.0 | 0.0 | 0.0 | 22 | 13 | 8.8 | 29 |
| 30 | 0.0 | 11 | 15 | 9.0 | --- | 0.0 | 0.0 | 0.0 | 20 | 40 | 0.0 | 29 |
| 31 | 0.0 | --- | 15 | 9.0 | --- | 0.0 | --- | 0.0 | --- | 44 | 0.0 | --- |
| TOTAL | 0.0 | 289.6 | 427 | 608.0 | 189.3 | 216.0 | 51.4 | 25.1 | 495.5 | 185.2 | 706.8 | 510 |
| MEAN | 0.0 | 9.65 | 13.8 | 19.6 | 6.76 | 6.97 | 1.71 | 0.81 | 16.5 | 5.97 | 22.8 | 17.0 |
| AC-FT | 0.0 | 574 | 847 | 1210 | 375 | 428 | 102 | 50 | 983 | 367 | 1400 | 1010 |
| MAX | 0.0 | 11 | 15 | 35 | 12 | 12 | 14 | 18 | 40 | 44 | 52 | 32 |
| MIN | 0.0 | 0.0 | 11 | 9.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | |
|-------------------|---------|------|------|-----|----|-----|------|-------|------|
| CAL YR 1981 TOTAL | 3605.46 | MEAN | 9.88 | MAX | 63 | MIN | 0.00 | AC-FT | 7150 |
| WTR YR 1982 TOTAL | 3703.9 | MEAN | 10.1 | MAX | 52 | MIN | 0.00 | AC-FT | 7350 |

MAX DISCH 79 CFS AT 2000 06-AUG-1982 GH 2.11 FT. SHIFT 0.00 FT. MAX GH 2.11 FT. AT 2000 06-AUG-1982



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1983)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

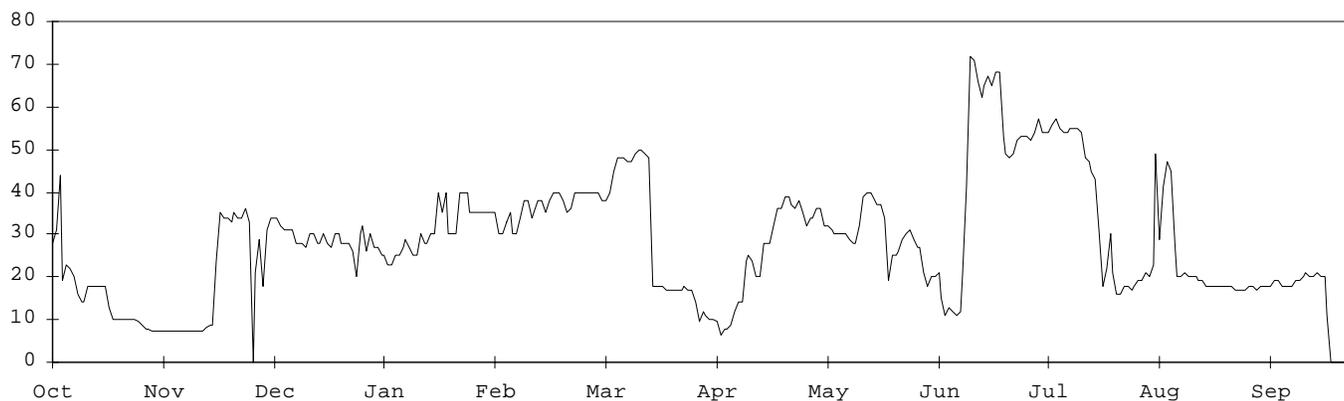
RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|------|-------|-------|------|------|------|------|------|
| 1 | 28 | 7.4 | 34 | 25 | 35 | 40 | 12 | 34 | 27 | 53 | 19 | 18 |
| 2 | 31 | 7.4 | 34 | 25 | 35 | 40 | 11 | 34 | 21 | 52 | 19 | 18 |
| 3 | 44 | 7.4 | 34 | 23 | 30 | 40 | 10 | 36 | 18 | 54 | 21 | 17 |
| 4 | 19 | 7.4 | 32 | 23 | 30 | 38 | 10 | 36 | 20 | 57 | 20 | 18 |
| 5 | 23 | 7.4 | 31 | 25 | 33 | 38 | 9.5 | 32 | 20 | 54 | 23 | 18 |
| 6 | 22 | 7.4 | 31 | 25 | 35 | 40 | 6.5 | 32 | 21 | 54 | 49 | 18 |
| 7 | 20 | 7.4 | 31 | 27 | 30 | 45 | 7.9 | 31 | 15 | 54 | 29 | 18 |
| 8 | 16 | 7.4 | 28 | 29 | 30 | 48 | 7.9 | 30 | 11 | 56 | 41 | 19 |
| 9 | 14 | 7.4 | 28 | 27 | 34 | 48 | 8.5 | 30 | 13 | 57 | 47 | 19 |
| 10 | 14 | 7.4 | 28 | 25 | 38 | 48 | 12 | 30 | 12 | 55 | 45 | 18 |
| 11 | 18 | 7.2 | 27 | 25 | 38 | 47 | 14 | 30 | 11 | 54 | 28 | 18 |
| 12 | 18 | 7.4 | 30 | 30 | 34 | 47 | 14 | 29 | 12 | 54 | 20 | 18 |
| 13 | 18 | 8.2 | 30 | 28 | 35 | 49 | 24 | 28 | 21 | 55 | 20 | 18 |
| 14 | 18 | 8.7 | 28 | 28 | 38 | 50 | 25 | 28 | 41 | 55 | 21 | 19 |
| 15 | 18 | 8.7 | 28 | 30 | 38 | 50 | 24 | 32 | 72 | 55 | 20 | 19 |
| 16 | 18 | 24 | 30 | 30 | 35 | 49 | 20 | 39 | 71 | 54 | 20 | 20 |
| 17 | 13 | 35 | 28 | 40 | 38 | 48 | 20 | 40 | 66 | 48 | 20 | 21 |
| 18 | 10 | 34 | 27 | 35 | 40 | 18 | 28 | 40 | 62 | 47 | 19 | 20 |
| 19 | 10 | 34 | 30 | 40 | 40 | 18 | 28 | 38 | 65 | 45 | 19 | 20 |
| 20 | 10 | 33 | 30 | 30 | 40 | 18 | 28 | 37 | 67 | 43 | 18 | 21 |
| 21 | 10 | 35 | 28 | 30 | 38 | 18 | 32 | 37 | 65 | 31 | 18 | 20 |
| 22 | 10 | 34 | 28 | 30 | 35 | 17 | 36 | 34 | 68 | 18 | 18 | 20 |
| 23 | 10 | 34 | 28 | 40 | 36 | 17 | 36 | 19 | 68 | 22 | 18 | 11 |
| 24 | 10 | 36 | 26 | 40 | 40 | 17 | 39 | 25 | 53 | 30 | 18 | 0.0 |
| 25 | 9.8 | 33 | 20 | 40 | 40 | 17 | 39 | 25 | 49 | 21 | 18 | 0.0 |
| 26 | 8.5 | 0.0 | 30 | 35 | 40 | 17 | 37 | 26 | 48 | 16 | 18 | 0.0 |
| 27 | 7.7 | 21 | 32 | 35 | 40 | 18 | 36 | 29 | 49 | 16 | 18 | 0.0 |
| 28 | 7.7 | 29 | 26 | 35 | 40 | 17 | 38 | 30 | 52 | 18 | 17 | 0.0 |
| 29 | 7.4 | 18 | 30 | 35 | --- | 17 | 35 | 31 | 53 | 18 | 17 | 0.0 |
| 30 | 7.4 | 31 | 27 | 35 | --- | 14 | 32 | 29 | 53 | 17 | 17 | 0.0 |
| 31 | 7.4 | --- | 27 | 35 | --- | 9.8 | --- | 27 | --- | 18 | 17 | --- |
| TOTAL | 477.9 | 545.2 | 901 | 960 | 1015 | 997.8 | 680.3 | 978 | 1224 | 1281 | 712 | 426 |
| MEAN | 15.4 | 18.2 | 29.1 | 31.0 | 36.3 | 32.2 | 22.7 | 31.5 | 40.8 | 41.3 | 23.0 | 14.2 |
| AC-FT | 948 | 1080 | 1790 | 1900 | 2010 | 1980 | 1350 | 1940 | 2430 | 2540 | 1410 | 845 |
| MAX | 44 | 36 | 34 | 40 | 40 | 50 | 39 | 40 | 72 | 57 | 49 | 21 |
| MIN | 7.4 | 0.0 | 20 | 23 | 30 | 9.8 | 6.5 | 19 | 11 | 16 | 17 | 0.0 |

| | | | | | | | | | |
|-------------------|---------|------|------|-----|----|-----|------|-------|-------|
| CAL YR 1982 TOTAL | 4911.4 | MEAN | 13.5 | MAX | 52 | MIN | 0.00 | AC-FT | 9740 |
| WTR YR 1983 TOTAL | 10198.2 | MEAN | 27.9 | MAX | 72 | MIN | 0.00 | AC-FT | 20230 |

MAX DISCH 133 CFS AT 2300 14-JUN-1983 GH 2.93 FT. SHIFT 0.00 FT. MAX GH 2.93 FT. AT 2300 14-JUN-1983



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1984)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

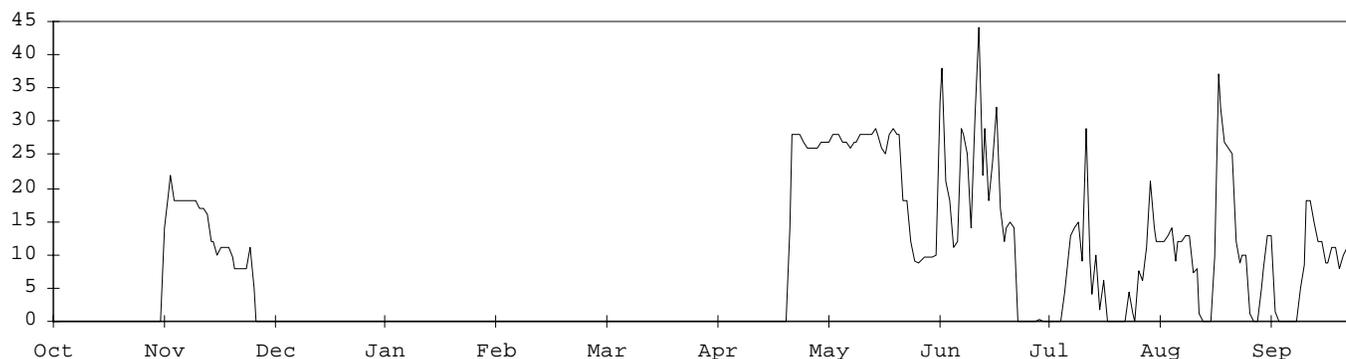
RATING TABLE.--NMCHIGC001 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-------|-----|-----|-----|-----|------|-------|--------|--------|-------|-------|
| 1 | 0.0 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 9.5 | 0.0 | 6.0 | 0.0 |
| 2 | 0.0 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 9.5 | 0.0 | 11 | 0.0 |
| 3 | 0.0 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 9.5 | 0.40 | 21 | 4.9 |
| 4 | 0.0 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 9.8 | 0.0 | 14 | 7.9 |
| 5 | 0.0 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 33 | 0.0 | 12 | 13 |
| 6 | 0.0 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 38 | 0.0 | 12 | 13 |
| 7 | 0.0 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 21 | 0.0 | 12 | 1.4 |
| 8 | 0.0 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 18 | 0.0 | 13 | 0.0 |
| 9 | 0.0 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 11 | 0.0 | 14 | 0.0 |
| 10 | 0.0 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 12 | 4.3 | 9.0 | 0.0 |
| 11 | 0.0 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 29 | 10 | 12 | 0.0 |
| 12 | 0.0 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 28 | 13 | 12 | 0.0 |
| 13 | 0.0 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 25 | 14 | 13 | 0.0 |
| 14 | 0.0 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 14 | 15 | 13 | 5.1 |
| 15 | 0.0 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 31 | 9.0 | 7.4 | 8.5 |
| 16 | 0.0 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 44 | 29 | 7.9 | 18 |
| 17 | 0.0 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 22 | 9.2 | 1.2 | 18 |
| 18 | 0.0 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29 | 29 | 4.1 | 0.0 | 15 |
| 19 | 0.0 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 18 | 10 | 0.0 | 12 |
| 20 | 0.0 | 9.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 24 | 1.8 | 0.0 | 12 |
| 21 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 32 | 6.2 | 9.5 | 8.7 |
| 22 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 17 | 0.0 | 37 | 8.7 |
| 23 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29 | 12 | 0.0 | 32 | 11 |
| 24 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 28 | 14 | 0.0 | 27 | 11 |
| 25 | 0.0 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 28 | 15 | 0.0 | 26 | 7.9 |
| 26 | 0.0 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 18 | 14 | 0.0 | 25 | 10 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 18 | 0.10 | 0.0 | 12 | 11 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 12 | 0.0 | 4.3 | 8.7 | 12 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 9.2 | 0.0 | 1.3 | 10 | 13 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 26 | 8.7 | 0.0 | 0.0 | 9.8 | 14 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 9.2 | --- | 7.7 | 1.3 | --- |
| TOTAL | 0.0 | 355.0 | 0.0 | 0.0 | 0.0 | 0.0 | 177 | 759.1 | 539.40 | 139.30 | 388.8 | 236.1 |
| MEAN | 0.0 | 11.8 | 0.0 | 0.0 | 0.0 | 0.0 | 5.90 | 24.5 | 18.0 | 4.49 | 12.5 | 7.87 |
| AC-FT | 0.0 | 704 | 0.0 | 0.0 | 0.0 | 0.0 | 351 | 1510 | 1070 | 276 | 771 | 468 |
| MAX | 0.0 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 29 | 44 | 29 | 37 | 18 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | |
|-------------------|---------|------|------|-----|----|-----|------|-------|-------|
| CAL YR 1983 TOTAL | 8629.1 | MEAN | 23.6 | MAX | 72 | MIN | 0.00 | AC-FT | 17120 |
| WTR YR 1984 TOTAL | 2594.70 | MEAN | 7.09 | MAX | 44 | MIN | 0.00 | AC-FT | 5150 |

MAX DAILY DISCH 44 CFS 16-JUN-1984



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1985)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

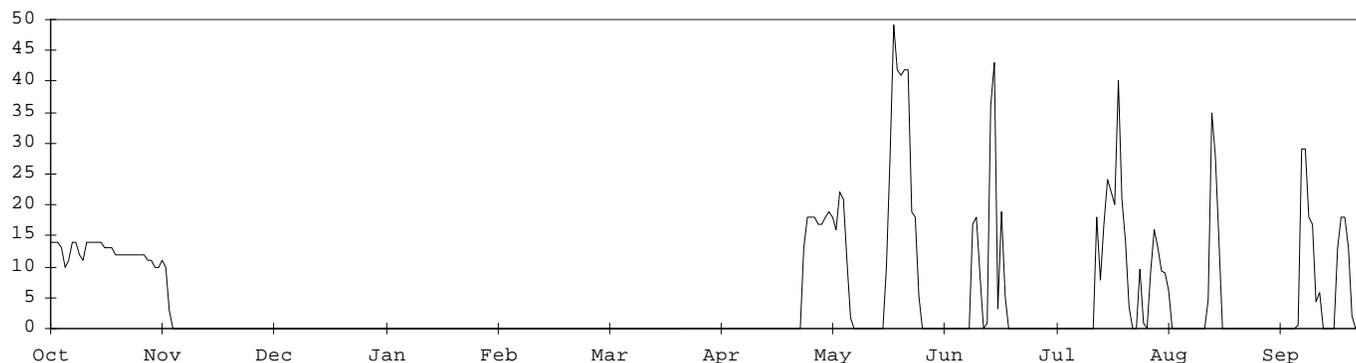
RATING TABLE.-- NMCHIGCO01 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|------|-----|-----|-----|-----|------|-------|--------|--------|-------|--------|
| 1 | 14 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 14 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 0.0 | 0.0 | 9.4 | 0.0 |
| 3 | 14 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 0.0 | 0.0 | 16 | 0.0 |
| 4 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 0.0 | 0.0 | 13 | 0.0 |
| 5 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 0.0 | 0.0 | 9.2 | 0.0 |
| 6 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 0.0 | 0.0 | 9.0 | 0.0 |
| 7 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 0.0 | 0.0 | 6.2 | 0.0 |
| 8 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.44 |
| 13 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29 |
| 14 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 0.0 | 0.0 | 29 |
| 15 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 0.0 | 0.0 | 18 |
| 16 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 0.0 | 0.0 | 17 |
| 17 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 |
| 18 | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.75 | 18 | 4.7 | 5.9 |
| 19 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36 | 7.8 | 35 | 0.0 |
| 20 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43 | 17 | 28 | 0.0 |
| 21 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 | 3.3 | 24 | 14 | 0.0 |
| 22 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 19 | 22 | 0.0 | 0.0 |
| 23 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 49 | 5.1 | 20 | 0.0 | 13 |
| 24 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42 | 0.0 | 40 | 0.0 | 18 |
| 25 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41 | 0.0 | 21 | 0.0 | 18 |
| 26 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42 | 0.0 | 14 | 0.0 | 13 |
| 27 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42 | 0.0 | 3.5 | 0.0 | 2.0 |
| 28 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 19 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29 | 11 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 18 | 18 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30 | 10 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 18 | 5.1 | 0.0 | 9.5 | 0.0 | 0.0 |
| 31 | 10 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 0.91 | 0.0 | --- |
| TOTAL | 385.8 | 23.6 | 0.0 | 0.0 | 0.0 | 0.0 | 49 | 474.7 | 151.15 | 197.71 | 144.5 | 167.84 |
| MEAN | 12.4 | 0.79 | 0.0 | 0.0 | 0.0 | 0.0 | 1.63 | 15.3 | 5.04 | 6.38 | 4.66 | 5.59 |
| AC-FT | 765 | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 97 | 942 | 300 | 392 | 287 | 333 |
| MAX | 14 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 49 | 43 | 40 | 35 | 29 |
| MIN | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | |
|-------------------|---------|------|------|-----|----|-----|------|-------|------|
| CAL YR 1984 TOTAL | 2649.1 | MEAN | 7.24 | MAX | 44 | MIN | 0.00 | AC-FT | 5250 |
| WTR YR 1985 TOTAL | 1594.30 | MEAN | 4.37 | MAX | 49 | MIN | 0.00 | AC-FT | 3160 |

MAX DISCH 87 CFS AT 0700 23-MAY-1985 GH 2.24 FT. SHIFT 0.00 FT. MAX GH 2.24 FT. AT 0700 23-MAY-1985



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1986)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

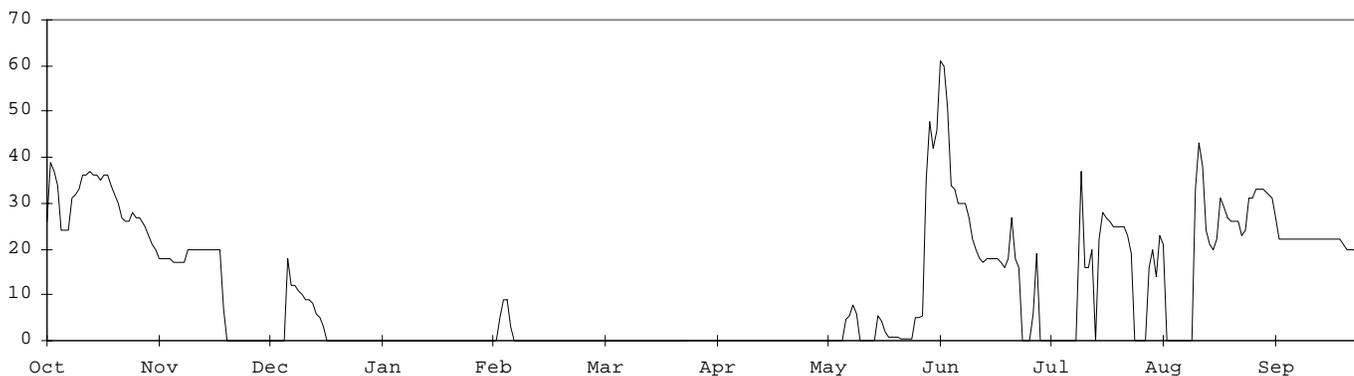
DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|---------|-------|-------|------|------|-----|-----|-------|-------|-------|------|------|
| 1 | 26 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 31 |
| 2 | 39 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 5.8 | 0.0 | 33 |
| 3 | 37 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 48 | 19 | 16 | 33 |
| 4 | 34 | 18 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 42 | 0.0 | 20 | 33 |
| 5 | 24 | 17 | 0.0 | 0.0 | 9.0 | 0.0 | 0.0 | 0.0 | 46 | 0.0 | 14 | 32 |
| 6 | 24 | 17 | 0.0 | 0.0 | 9.0 | 0.0 | 0.0 | 0.0 | 61 | 0.0 | 23 | 31 |
| 7 | 24 | 17 | 18 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 60 | 0.0 | 21 | 27 |
| 8 | 31 | 17 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51 | 0.0 | 0.0 | 22 |
| 9 | 32 | 20 | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34 | 0.0 | 0.0 | 22 |
| 10 | 33 | 20 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 0.0 | 0.0 | 22 |
| 11 | 36 | 20 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 30 | 0.0 | 0.0 | 22 |
| 12 | 36 | 20 | 9.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 30 | 0.0 | 0.0 | 22 |
| 13 | 37 | 20 | 9.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 30 | 0.0 | 0.0 | 22 |
| 14 | 36 | 20 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 27 | 0.0 | 0.0 | 22 |
| 15 | 36 | 20 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 37 | 0.0 | 22 |
| 16 | 35 | 20 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 16 | 33 | 22 |
| 17 | 36 | 20 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 16 | 43 | 22 |
| 18 | 36 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 20 | 38 | 22 |
| 19 | 34 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 0.0 | 24 | 22 |
| 20 | 32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 18 | 22 | 21 | 22 |
| 21 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 18 | 28 | 20 | 22 |
| 22 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 18 | 27 | 22 | 22 |
| 23 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 17 | 26 | 31 | 22 |
| 24 | 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 16 | 25 | 29 | 22 |
| 25 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 18 | 25 | 27 | 22 |
| 26 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 27 | 25 | 26 | 21 |
| 27 | 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 18 | 25 | 26 | 20 |
| 28 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 16 | 23 | 26 | 20 |
| 29 | 23 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.43 | 0.0 | 19 | 23 | 20 |
| 30 | 21 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 24 | 18 |
| 31 | 20 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 5.1 | --- | 0.0 | 31 | --- |
| TOTAL | 938 | 347.0 | 103.0 | 0.0 | 26.0 | 0.0 | 0.0 | 49.88 | 793.4 | 358.8 | 538 | 715 |
| MEAN | 30.3 | 11.6 | 3.32 | 0.0 | 0.93 | 0.0 | 0.0 | 1.61 | 26.4 | 11.6 | 17.4 | 23.8 |
| AC-FT | 1860 | 688 | 204 | 0.0 | 52 | 0.0 | 0.0 | 99 | 1570 | 712 | 1070 | 1420 |
| MAX | 39 | 20 | 18 | 0.0 | 9.0 | 0.0 | 0.0 | 7.7 | 61 | 37 | 43 | 33 |
| MIN | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 |
| CAL YR 1985 TOTAL | 2572.90 | | MEAN | 7.05 | MAX | 49 | MIN | 0.00 | AC-FT | 5100 | | |
| WTR YR 1986 TOTAL | 3869.08 | | MEAN | 10.6 | MAX | 61 | MIN | 0.00 | AC-FT | 7670 | | |



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1987)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

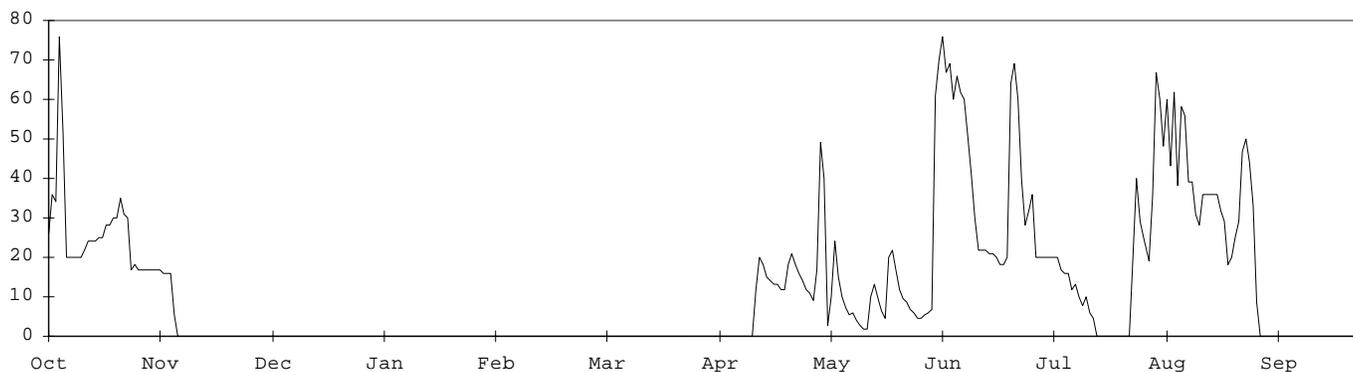
GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-----|-----|-----|-----|------|-------|--------|-------|------|------|
| 1 | 26 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 5.6 | 36 | 25 | 8.5 |
| 2 | 36 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 6.0 | 20 | 19 | 0.0 |
| 3 | 34 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 49 | 7.0 | 20 | 36 | 0.0 |
| 4 | 76 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40 | 61 | 20 | 67 | 0.0 |
| 5 | 52 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 70 | 20 | 60 | 0.0 |
| 6 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 76 | 20 | 48 | 0.0 |
| 7 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 67 | 20 | 60 | 0.0 |
| 8 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 69 | 20 | 43 | 0.0 |
| 9 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 60 | 17 | 62 | 0.0 |
| 10 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 66 | 16 | 38 | 0.0 |
| 11 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 62 | 16 | 58 | 0.0 |
| 12 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 60 | 12 | 56 | 0.0 |
| 13 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 51 | 13 | 39 | 0.0 |
| 14 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 41 | 9.8 | 39 | 0.0 |
| 15 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 1.6 | 30 | 7.7 | 31 | 0.0 |
| 16 | 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 1.8 | 22 | 10 | 28 | 0.0 |
| 17 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 10 | 22 | 5.8 | 36 | 0.0 |
| 18 | 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 13 | 22 | 4.5 | 36 | 0.0 |
| 19 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 9.5 | 21 | 0.0 | 36 | 0.0 |
| 20 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 6.5 | 21 | 0.0 | 36 | 0.0 |
| 21 | 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 4.5 | 20 | 0.0 | 36 | 0.0 |
| 22 | 31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 20 | 18 | 0.0 | 32 | 0.0 |
| 23 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 22 | 18 | 0.0 | 29 | 0.0 |
| 24 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 17 | 20 | 0.0 | 18 | 0.0 |
| 25 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 12 | 64 | 0.0 | 20 | 0.0 |
| 26 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 9.5 | 69 | 0.0 | 25 | 0.0 |
| 27 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 8.7 | 60 | 0.0 | 29 | 0.0 |
| 28 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 7.0 | 40 | 0.0 | 47 | 0.0 |
| 29 | 17 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 12 | 6.0 | 28 | 19 | 50 | 0.0 |
| 30 | 17 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 11 | 4.7 | 32 | 40 | 44 | 0.0 |
| 31 | 17 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 4.5 | --- | 29 | 33 | --- |
| TOTAL | 817 | 70.6 | 0.0 | 0.0 | 0.0 | 0.0 | 239 | 360.4 | 1208.6 | 375.8 | 1216 | 8.5 |
| MEAN | 26.4 | 2.35 | 0.0 | 0.0 | 0.0 | 0.0 | 7.97 | 11.6 | 40.3 | 12.1 | 39.2 | 0.28 |
| AC-FT | 1620 | 140 | 0.0 | 0.0 | 0.0 | 0.0 | 474 | 715 | 2400 | 745 | 2410 | 17 |
| MAX | 76 | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 49 | 76 | 40 | 67 | 8.5 |
| MIN | 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 5.6 | 0.0 | 18 | 0.0 |

| | | | | | | | | | |
|-------------------|---------|------|------|-----|----|-----|------|-------|------|
| CAL YR 1986 TOTAL | 3368.68 | MEAN | 9.23 | MAX | 76 | MIN | 0.00 | AC-FT | 6680 |
| WTR YR 1987 TOTAL | 4295.9 | MEAN | 11.8 | MAX | 76 | MIN | 0.00 | AC-FT | 8520 |



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1988)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

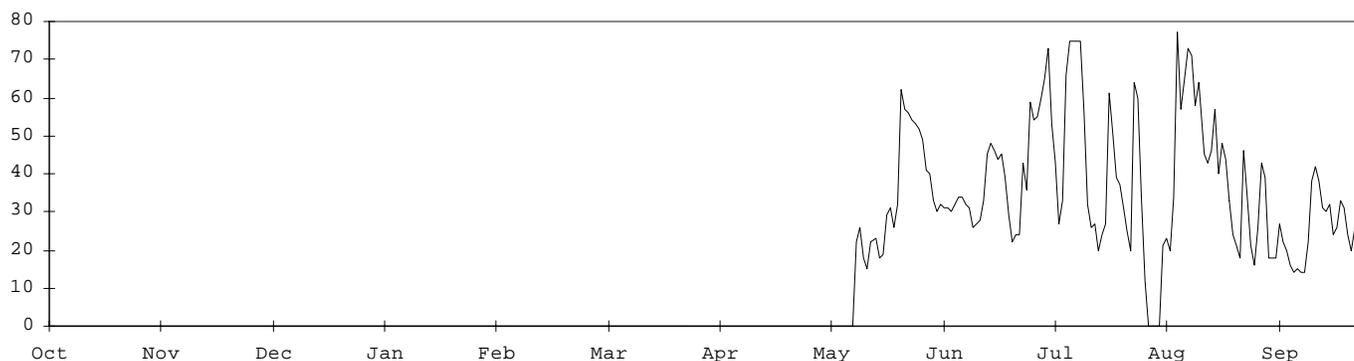
RATING TABLE.--NMCHIGC001 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40 | 55 | 0.0 | 43 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 60 | 0.0 | 39 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 | 65 | 0.0 | 18 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 73 | 0.0 | 18 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31 | 53 | 21 | 18 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31 | 43 | 23 | 27 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 | 27 | 20 | 22 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 33 | 34 | 20 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34 | 66 | 77 | 16 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34 | 75 | 57 | 14 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 75 | 65 | 15 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 31 | 75 | 73 | 14 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 26 | 75 | 71 | 14 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 27 | 56 | 58 | 22 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 28 | 32 | 64 | 38 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 33 | 26 | 45 | 42 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 45 | 27 | 43 | 38 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 48 | 20 | 46 | 31 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 46 | 24 | 57 | 30 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29 | 44 | 27 | 40 | 32 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31 | 45 | 61 | 48 | 24 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 39 | 51 | 44 | 26 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 29 | 39 | 33 | 33 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62 | 22 | 37 | 24 | 31 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57 | 24 | 31 | 21 | 24 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56 | 24 | 25 | 18 | 20 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 54 | 43 | 20 | 46 | 26 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 53 | 36 | 64 | 34 | 24 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52 | 59 | 60 | 21 | 24 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 49 | 54 | 34 | 16 | 23 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 41 | --- | 12 | 26 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 705 | 1062 | 1421 | 1125 | 766 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.7 | 35.4 | 45.8 | 36.3 | 25.5 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1400 | 2110 | 2820 | 2230 | 1520 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62 | 59 | 75 | 77 | 43 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 12 | 0.0 | 14 |

| | | | | | | | | | |
|-------------------|--------|------|------|-----|----|-----|------|-------|-------|
| CAL YR 1987 TOTAL | 3408.3 | MEAN | 9.34 | MAX | 76 | MIN | 0.00 | AC-FT | 6760 |
| WTR YR 1988 TOTAL | 5079 | MEAN | 13.9 | MAX | 77 | MIN | 0.00 | AC-FT | 10070 |

MAX DISCH 84 CFS AT 1730 09-AUG-1988 GH 2.19 FT. SHIFT 0.00 FT. MAX GH 2.19 FT. AT 1730 09-AUG-1988



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1989)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

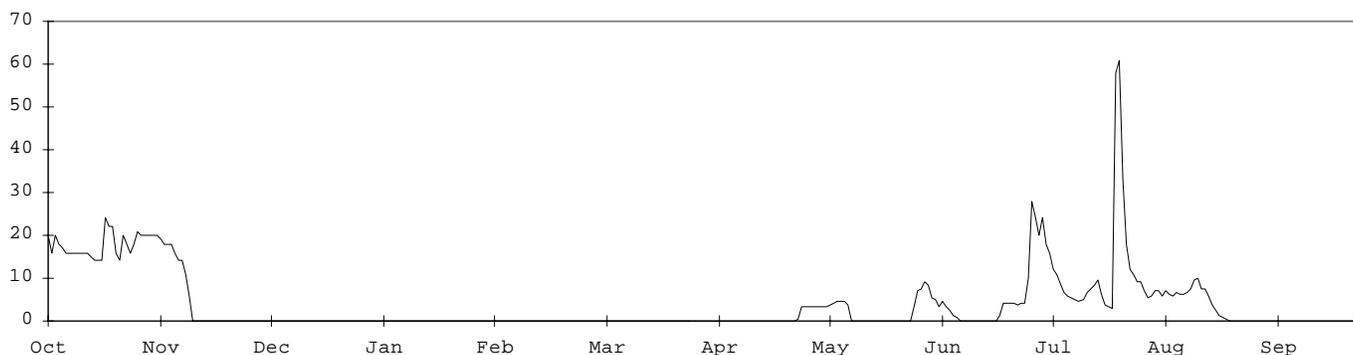
RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-----|-----|-----|-----|-------|------|-------|-------|--------|-----|
| 1 | 20 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 9.0 | 28 | 7.0 | 0.0 |
| 2 | 16 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 8.2 | 24 | 5.6 | 0.0 |
| 3 | 20 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 5.6 | 20 | 5.8 | 0.0 |
| 4 | 18 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 5.1 | 24 | 7.0 | 0.0 |
| 5 | 17 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 3.5 | 18 | 7.0 | 0.0 |
| 6 | 16 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 4.5 | 16 | 5.8 | 0.0 |
| 7 | 16 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 3.2 | 12 | 7.0 | 0.0 |
| 8 | 16 | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 2.5 | 11 | 6.2 | 0.0 |
| 9 | 16 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 1.2 | 8.7 | 6.0 | 0.0 |
| 10 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 0.82 | 6.5 | 6.7 | 0.0 |
| 11 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 0.0 | 5.8 | 6.2 | 0.0 |
| 12 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 6.2 | 0.0 |
| 13 | 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 6.7 | 0.0 |
| 14 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 7.4 | 0.0 |
| 15 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 9.5 | 0.0 |
| 16 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 10 | 0.0 |
| 17 | 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 7.7 | 0.0 |
| 18 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 7.4 | 0.0 |
| 19 | 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 6.0 | 0.0 |
| 20 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 3.9 | 0.0 |
| 21 | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 2.3 | 0.0 |
| 22 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 3.3 | 1.3 | 0.0 |
| 23 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 3.0 | 0.82 | 0.0 |
| 24 | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 58 | 0.52 | 0.0 |
| 25 | 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 61 | 0.14 | 0.0 |
| 26 | 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 33 | 0.0 | 0.0 |
| 27 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 0.0 | 3.9 | 18 | 0.0 | 0.0 |
| 28 | 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 4.1 | 12 | 0.0 | 0.0 |
| 29 | 20 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 3.2 | 3.3 | 4.1 | 11 | 0.0 | 0.0 |
| 30 | 20 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 3.2 | 7.2 | 9.9 | 9.2 | 0.0 | 0.0 |
| 31 | 20 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 7.7 | --- | 9.2 | 0.0 | --- |
| TOTAL | 551 | 134.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.33 | 60.5 | 83.32 | 453.4 | 140.18 | 0.0 |
| MEAN | 17.8 | 4.47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.34 | 1.95 | 2.78 | 14.6 | 4.52 | 0.0 |
| AC-FT | 1090 | 266 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 120 | 165 | 899 | 278 | 0.0 |
| MAX | 24 | 19 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 7.7 | 9.9 | 61 | 10 | 0.0 |
| MIN | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 |

| | | | | | | | | | |
|-------------------|---------|------|------|-----|----|-----|------|-------|-------|
| CAL YR 1988 TOTAL | 5764.0 | MEAN | 15.7 | MAX | 77 | MIN | 0.00 | AC-FT | 11430 |
| WTR YR 1989 TOTAL | 1432.73 | MEAN | 3.93 | MAX | 61 | MIN | 0.00 | AC-FT | 2840 |

MAX DISCH 72 CFS AT 0500 24-JUL-1989 GH 2.00 FT. SHIFT 0.00 FT. MAX GH 2.00 FT. AT 0500 24-JUL-1989



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO (1990)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

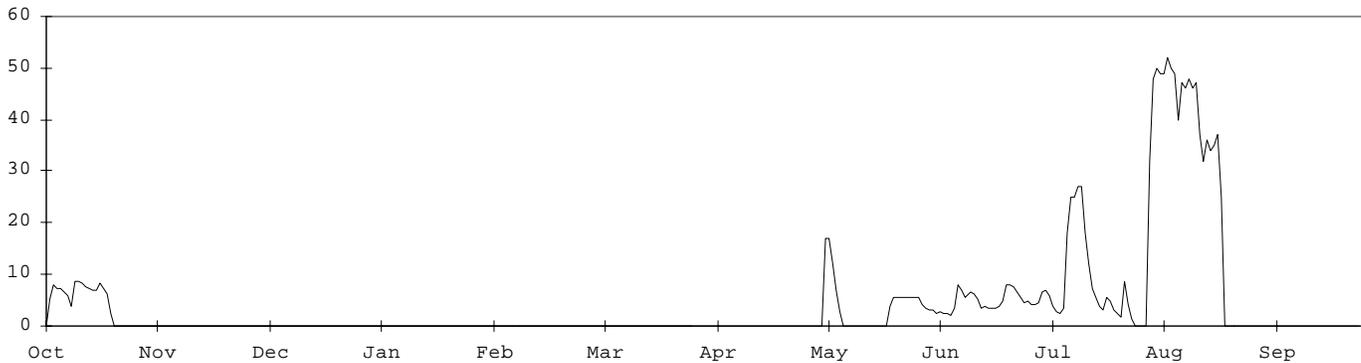
DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder in small steel shelter. Control is 6' Parshall flume.

RATING TABLE.--NMCHIGC001 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|--------|-----|------|------|-----|-----|-----|-------|-------|-------|------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 4.1 | 0.0 | 0.0 |
| 2 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 4.3 | 0.0 | 0.0 |
| 3 | 7.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 4.5 | 32 | 0.0 |
| 4 | 7.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 6.5 | 48 | 0.0 |
| 5 | 7.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 2.6 | 7.0 | 50 | 0.0 |
| 6 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 2.8 | 5.8 | 49 | 0.0 |
| 7 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.5 | 3.9 | 49 | 0.0 |
| 8 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 2.5 | 2.8 | 52 | 0.0 |
| 9 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 2.1 | 2.6 | 50 | 0.0 |
| 10 | 8.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 3.3 | 49 | 0.0 |
| 11 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 18 | 40 | 0.0 |
| 12 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 25 | 47 | 0.0 |
| 13 | 7.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 25 | 46 | 0.0 |
| 14 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 27 | 48 | 0.0 |
| 15 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 27 | 46 | 0.0 |
| 16 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 18 | 47 | 0.0 |
| 17 | 7.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 12 | 37 | 0.0 |
| 18 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 7.2 | 32 | 0.0 |
| 19 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 5.4 | 36 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 3.7 | 34 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 3.0 | 35 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 5.6 | 37 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 5.0 | 4.7 | 25 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 8.0 | 3.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 8.0 | 2.5 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 7.5 | 1.8 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 6.7 | 8.5 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 5.6 | 4.3 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 5.6 | 4.5 | 1.4 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 5.6 | 4.7 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 5.4 | --- | 0.0 | 0.0 | --- |
| TOTAL | 121.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 104.1 | 139.1 | 247.9 | 889 | 0.0 |
| MEAN | 3.93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.36 | 4.64 | 8.00 | 28.7 | 0.0 |
| AC-FT | 242 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 206 | 276 | 492 | 1760 | 0.0 |
| MAX | 8.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 8.0 | 27 | 52 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 |
| CAL YR 1989 TOTAL | 869.63 | | MEAN | 2.38 | MAX | 61 | MIN | 0.00 | AC-FT | 1720 | | |
| WTR YR 1990 TOTAL | 1502.0 | | MEAN | 4.12 | MAX | 52 | MIN | 0.00 | AC-FT | 2980 | | |



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1980)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

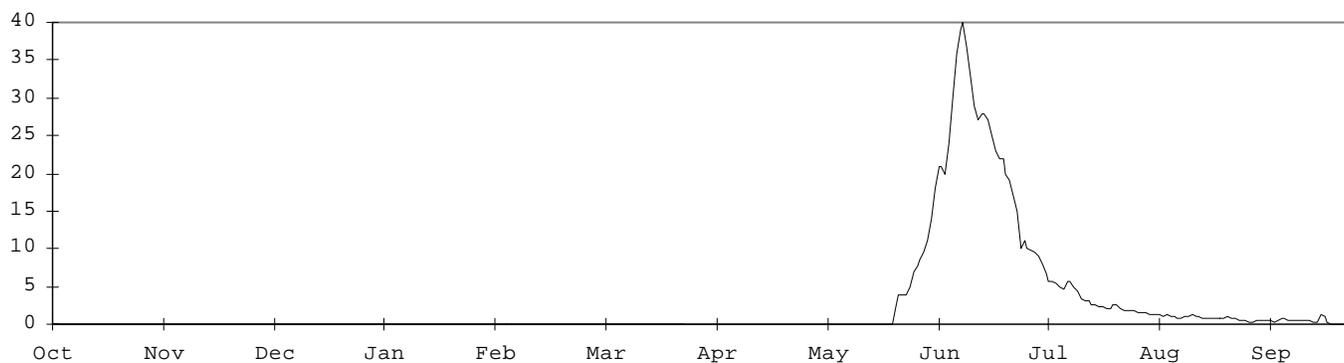
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 9.8 | 1.6 | 0.27 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 9.5 | 1.6 | 0.43 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 9.0 | 1.4 | 0.52 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 7.9 | 1.3 | 0.52 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 6.7 | 1.3 | 0.43 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 5.8 | 1.2 | 0.43 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 5.6 | 1.0 | 0.35 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 5.4 | 1.2 | 0.61 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 | 4.9 | 1.0 | 0.71 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36 | 4.7 | 0.93 | 0.71 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39 | 5.6 | 0.82 | 0.61 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40 | 5.6 | 0.82 | 0.61 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37 | 4.9 | 0.93 | 0.43 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 4.3 | 1.0 | 0.43 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29 | 3.3 | 1.4 | 0.52 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 3.0 | 1.0 | 0.43 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 3.0 | 0.93 | 0.43 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 2.6 | 0.82 | 0.35 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 2.5 | 0.82 | 0.35 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 2.3 | 0.71 | 1.4 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 2.3 | 0.71 | 0.93 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 2.1 | 0.71 | 0.27 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 2.0 | 0.71 | 0.03 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 20 | 2.5 | 0.82 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 19 | 2.5 | 0.93 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 17 | 2.1 | 0.82 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 15 | 1.8 | 0.71 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10 | 1.7 | 0.61 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 11 | 1.7 | 0.43 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 7.7 | 10 | 1.7 | 0.61 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 8.5 | --- | 1.6 | 0.35 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.7 | 686.5 | 128.4 | 29.19 | 11.77 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38 | 22.9 | 4.14 | 0.94 | 0.39 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85 | 1360 | 255 | 58 | 23 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 40 | 9.8 | 1.6 | 1.4 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 1.6 | 0.35 | 0.0 |

CAL YR 1979 TOTAL 1027.5 MEAN 2.82 MAX 38 MIN 0.00 AC-FT 2040
WTR YR 1980 TOTAL 898.55 MEAN 2.46 MAX 40 MIN 0.00 AC-FT 1780

MAX DISCH 60 CFS AT 1900 11-JUN-1980 GH 1.81 FT. SHIFT -0.04 FT. MAX GH 1.81 FT. AT 1900 11-JUN-1980



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1981)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

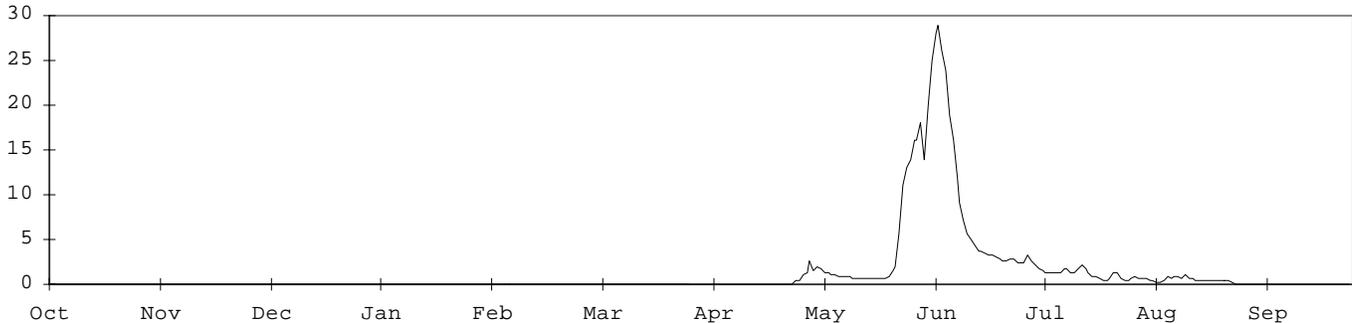
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 16 | 2.5 | 0.82 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 18 | 3.2 | 0.61 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 14 | 2.6 | 0.61 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 20 | 2.1 | 0.61 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 25 | 1.8 | 0.52 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 28 | 1.6 | 0.35 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 29 | 1.4 | 0.27 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 26 | 1.4 | 0.27 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 24 | 1.4 | 0.52 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.90 | 19 | 1.4 | 0.82 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.90 | 16 | 1.3 | 0.71 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 12 | 1.8 | 0.93 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 9.2 | 1.8 | 0.82 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 7.2 | 1.4 | 0.71 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 5.6 | 1.3 | 1.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 4.9 | 1.8 | 0.71 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 4.3 | 2.1 | 0.61 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 3.7 | 1.7 | 0.43 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 3.7 | 1.3 | 0.35 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 3.5 | 0.82 | 0.35 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 3.3 | 0.82 | 0.43 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 3.3 | 0.61 | 0.43 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 3.0 | 0.52 | 0.43 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 2.8 | 0.52 | 0.43 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 2.6 | 0.61 | 0.43 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.6 | 1.4 | 0.43 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 2.8 | 1.3 | 0.43 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.41 | 11 | 2.8 | 0.71 | 0.18 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.52 | 13 | 2.5 | 0.52 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 1.0 | 14 | 2.5 | 0.52 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 16 | --- | 0.71 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.93 | 87.42 | 317.3 | 42.96 | 15.21 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.06 | 2.82 | 10.6 | 1.39 | 0.49 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 173 | 629 | 85 | 30 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 16 | 29 | 3.2 | 1.0 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 2.5 | 0.52 | 0.0 | 0.0 |

CAL YR 1980 TOTAL 898.55 MEAN 2.46 MAX 40 MIN 0.00 AC-FT 1780
WTR YR 1981 TOTAL 464.82 MEAN 1.27 MAX 29 MIN 0.00 AC-FT 922

MAX DISCH 56 CFS AT 1800 06-JUN-1981 GH 1.74 FT. SHIFT -0.04 FT. MAX GH 1.74 FT. AT 1800 06-JUN-1981



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1982)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

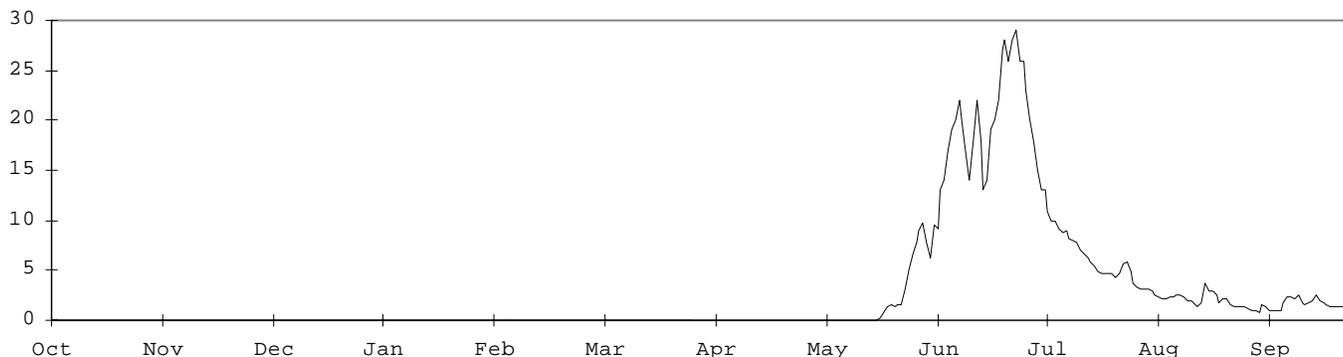
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 23 | 3.3 | 1.2 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 | 20 | 3.2 | 1.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 18 | 3.2 | 0.93 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 15 | 3.2 | 0.82 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 13 | 3.0 | 1.6 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 | 13 | 2.6 | 1.3 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 11 | 2.3 | 1.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 10 | 2.1 | 0.93 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 10 | 2.1 | 0.93 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 9.2 | 2.3 | 0.93 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 8.7 | 2.3 | 1.7 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 9.0 | 2.5 | 2.3 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 8.2 | 2.6 | 2.3 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 7.9 | 2.3 | 2.1 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 7.7 | 2.0 | 2.5 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 7.0 | 2.0 | 1.8 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 6.7 | 1.6 | 1.6 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 6.2 | 1.4 | 1.8 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 5.8 | 1.8 | 2.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 5.4 | 3.7 | 2.6 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.27 | 19 | 4.9 | 3.0 | 2.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 20 | 4.7 | 3.0 | 1.7 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 22 | 4.7 | 2.5 | 1.6 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 27 | 4.7 | 1.8 | 1.4 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 28 | 4.7 | 2.1 | 1.4 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 26 | 4.3 | 2.1 | 1.4 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 28 | 4.7 | 1.6 | 1.4 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 29 | 5.6 | 1.4 | 1.4 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 5.1 | 26 | 5.8 | 1.3 | 1.6 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 6.7 | 26 | 4.9 | 1.4 | 1.6 |
| 31 | 0.0 | --- | 0.0 | 0.0 | 0.0 | --- | 0.0 | 7.7 | --- | 3.7 | 1.4 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31.29 | 543.4 | 267.5 | 71.1 | 46.84 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.01 | 18.1 | 8.63 | 2.29 | 1.56 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62 | 1080 | 531 | 141 | 93 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 29 | 23 | 3.7 | 2.6 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 3.7 | 1.3 | 0.82 |

CAL YR 1981 TOTAL 464.82 MEAN 1.27 MAX 29 MIN 0.00 AC-FT 922
WTR YR 1982 TOTAL 960.13 MEAN 2.63 MAX 29 MIN 0.00 AC-FT 1900

MAX DISCH 48 CFS AT 1800 27-JUN-1982 GH 1.60 FT. SHIFT -0.05 FT. MAX GH 1.60 FT. AT 1800 27-JUN-1982



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1983)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

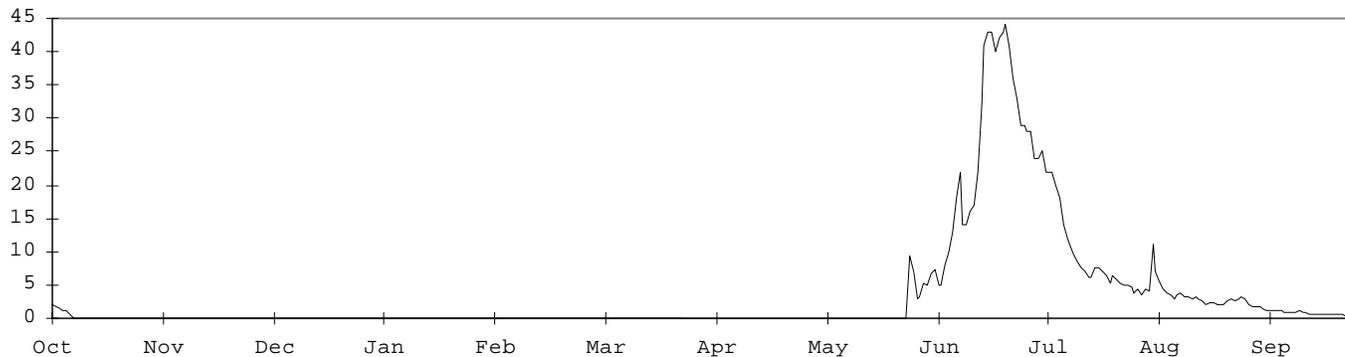
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|
| 1 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 28 | 4.5 | 2.1 |
| 2 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 28 | 3.5 | 1.7 |
| 3 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 24 | 4.5 | 1.7 |
| 4 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 24 | 4.1 | 1.8 |
| 5 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 25 | 11 | 1.4 |
| 6 | 0.54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 22 | 7.0 | 1.3 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 22 | 5.6 | 1.3 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 22 | 4.5 | 1.2 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 20 | 3.9 | 1.2 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 18 | 3.5 | 1.2 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 14 | 3.0 | 1.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 12 | 3.5 | 0.93 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 11 | 3.7 | 0.93 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 9.5 | 3.2 | 1.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 8.5 | 3.2 | 1.2 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 7.7 | 3.0 | 0.93 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 7.0 | 3.2 | 0.82 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 6.2 | 3.0 | 0.71 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41 | 6.0 | 2.6 | 0.71 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43 | 7.7 | 2.1 | 0.71 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43 | 7.7 | 2.3 | 0.71 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40 | 7.0 | 2.3 | 0.71 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42 | 6.5 | 2.1 | 0.71 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43 | 5.4 | 2.1 | 0.71 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44 | 6.5 | 2.1 | 0.71 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41 | 5.8 | 2.6 | 0.71 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36 | 5.4 | 3.0 | 0.71 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 4.9 | 2.5 | 0.18 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 9.3 | 29 | 5.1 | 3.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 7.0 | 29 | 4.7 | 3.2 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 2.8 | --- | 3.9 | 2.8 | --- |
| TOTAL | 8.14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.1 | 687.3 | 385.5 | 110.6 | 28.99 |
| MEAN | 0.26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.62 | 22.9 | 12.4 | 3.57 | 0.97 |
| AC-FT | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38 | 1360 | 765 | 219 | 58 |
| MAX | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.3 | 44 | 28 | 11 | 2.1 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 3.9 | 2.1 | 0.0 |

CAL YR 1982 TOTAL 968.27 MEAN 2.65 MAX 29 MIN 0.00 AC-FT 1920
WTR YR 1983 TOTAL 1239.63 MEAN 3.40 MAX 44 MIN 0.00 AC-FT 2460

MAX DISCH 66 CFS AT 2300 25-JUN-1983 GH 1.93 FT. SHIFT -0.05 FT. MAX GH 1.93 FT. AT 2300 25-JUN-1983



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1984)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

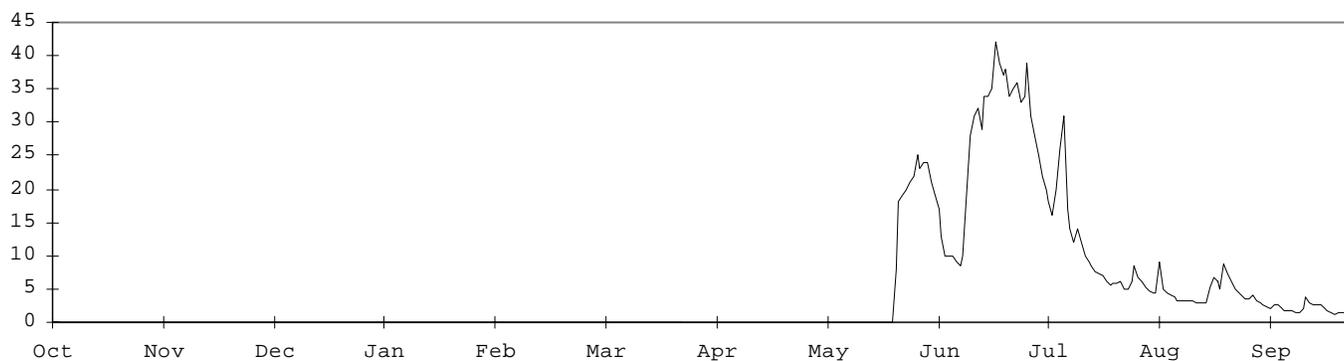
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 31 | 6.0 | 4.1 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 28 | 5.4 | 3.2 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 25 | 4.7 | 2.8 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 22 | 4.3 | 2.6 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 20 | 4.3 | 2.3 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 18 | 9.0 | 2.1 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 16 | 5.1 | 2.5 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 20 | 4.3 | 2.6 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 | 26 | 4.1 | 2.1 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 31 | 3.7 | 1.8 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 17 | 3.3 | 1.8 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 14 | 3.3 | 1.8 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 12 | 3.3 | 1.6 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 14 | 3.2 | 1.6 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31 | 12 | 3.2 | 2.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 10 | 3.0 | 3.7 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29 | 9.0 | 3.0 | 2.8 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34 | 8.5 | 3.0 | 2.5 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34 | 7.7 | 2.8 | 2.5 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 7.2 | 5.2 | 2.5 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42 | 7.0 | 6.7 | 2.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39 | 6.2 | 6.0 | 1.7 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37 | 5.6 | 5.1 | 1.6 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 38 | 5.8 | 8.7 | 1.3 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 34 | 5.8 | 7.2 | 1.4 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 35 | 6.0 | 6.0 | 1.4 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 36 | 5.1 | 4.9 | 1.4 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 33 | 5.1 | 4.5 | 1.4 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 34 | 6.2 | 4.1 | 1.4 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 25 | 39 | 8.4 | 3.5 | 1.4 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 23 | --- | 6.7 | 3.5 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 156.0 | 784.3 | 416.3 | 144.4 | 63.9 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.03 | 26.1 | 13.4 | 4.66 | 2.13 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 309 | 1560 | 826 | 286 | 127 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 42 | 31 | 9.0 | 4.1 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 5.1 | 2.8 | 1.3 |

CAL YR 1983 TOTAL 1231.49 MEAN 3.37 MAX 44 MIN 0.00 AC-FT 2440
WTR YR 1984 TOTAL 1564.9 MEAN 4.28 MAX 42 MIN 0.00 AC-FT 3100

MAX DISCH 93 CFS AT 1800 30-JUN-1984 GH 2.34 FT. SHIFT 0.00 FT. MAX GH 2.34 FT. AT 1800 30-JUN-1984



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1985)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

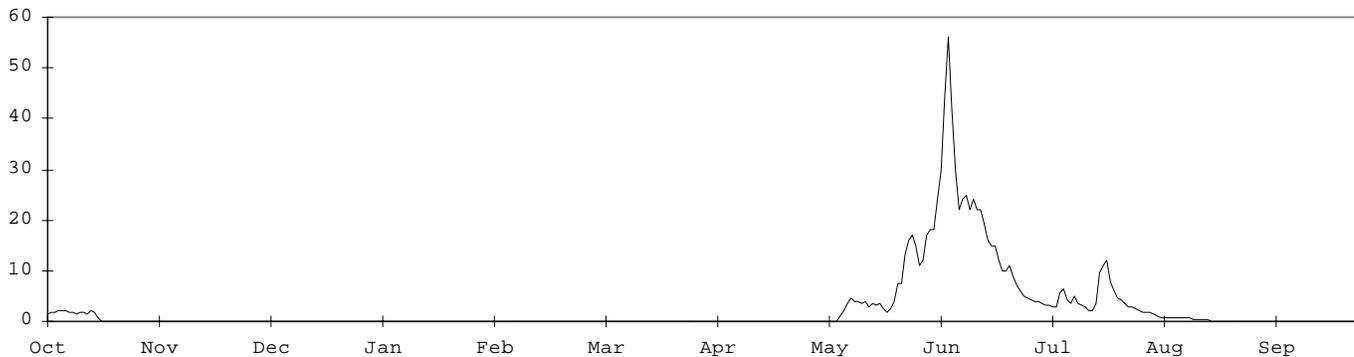
RATING TABLE.-- COLDITC001 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|------|
| 1 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 4.1 | 1.7 | 0.09 |
| 2 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 3.9 | 1.7 | 0.09 |
| 3 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 3.9 | 1.6 | 0.09 |
| 4 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 3.7 | 1.3 | 0.09 |
| 5 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 3.3 | 1.0 | 0.09 |
| 6 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 | 3.2 | 0.82 | 0.09 |
| 7 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44 | 3.0 | 0.82 | 0.05 |
| 8 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56 | 3.0 | 0.71 | 0.05 |
| 9 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 42 | 5.7 | 0.71 | 0.02 |
| 10 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 30 | 6.3 | 0.71 | 0.02 |
| 11 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 22 | 4.1 | 0.61 | 0.02 |
| 12 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 24 | 3.7 | 0.61 | 0.02 |
| 13 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 25 | 5.1 | 0.71 | 0.02 |
| 14 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 22 | 3.7 | 0.61 | 0.02 |
| 15 | 0.71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 24 | 3.3 | 0.52 | 0.02 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 22 | 2.8 | 0.43 | 0.05 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 22 | 2.3 | 0.35 | 0.05 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 19 | 2.3 | 0.27 | 0.05 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 16 | 3.5 | 0.20 | 0.05 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 15 | 9.7 | 0.14 | 0.05 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 15 | 11 | 0.14 | 0.05 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 12 | 12 | 0.09 | 0.05 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 9.8 | 7.9 | 0.09 | 0.05 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 10 | 6.0 | 0.09 | 0.05 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 11 | 4.7 | 0.09 | 0.05 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 8.7 | 4.3 | 0.09 | 0.05 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 7.0 | 3.5 | 0.09 | 0.05 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 6.2 | 3.0 | 0.14 | 0.01 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 17 | 4.9 | 2.8 | 0.14 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 15 | 4.5 | 2.5 | 0.14 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 11 | --- | 2.0 | 0.09 | --- |
| TOTAL | 25.01 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 137.5 | 591.1 | 140.3 | 16.71 | 1.39 |
| MEAN | 0.81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.44 | 19.7 | 4.53 | 0.54 | 0.05 |
| AC-FT | 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 273 | 1170 | 278 | 33 | 2.8 |
| MAX | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 56 | 12 | 1.7 | 0.09 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 2.0 | 0.09 | 0.0 |

CAL YR 1984 TOTAL 1589.91 MEAN 4.34 MAX 42 MIN 0.00 AC-FT 3150
WTR YR 1985 TOTAL 912.01 MEAN 2.50 MAX 56 MIN 0.00 AC-FT 1810

MAX DISCH 96 CFS AT 1730 08-JUN-1985 GH 2.47 FT. SHIFT -0.08 FT. MAX GH 2.47 FT. AT 1730 08-JUN-1985



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1986)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record good.

RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1985 TO 30-SEP-1986

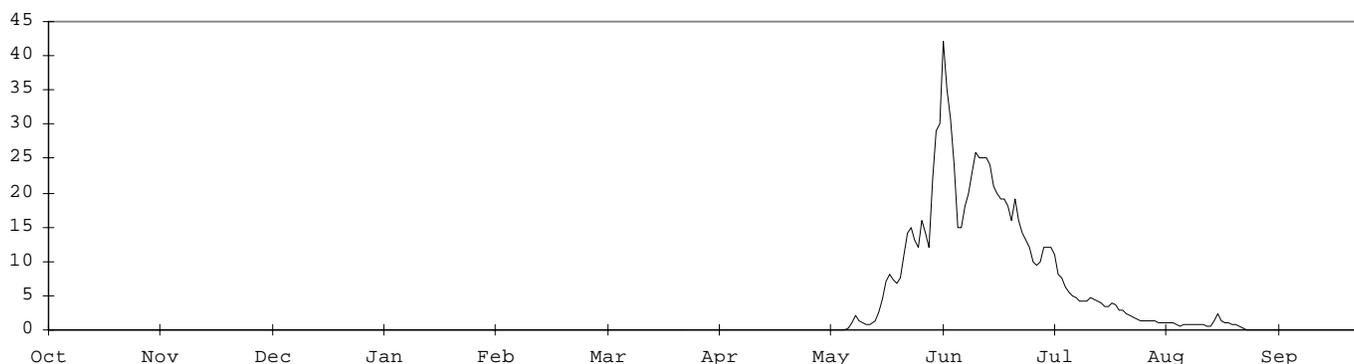
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|--------|------|-------|-------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 10 | 1.3 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 9.5 | 1.3 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 10 | 1.2 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29 | 12 | 1.2 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 | 12 | 1.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42 | 12 | 0.93 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 11 | 0.93 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31 | 8.2 | 0.93 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 7.7 | 0.93 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 6.2 | 0.71 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.20 | 15 | 5.4 | 0.61 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 18 | 4.9 | 0.82 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 20 | 4.7 | 0.71 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 23 | 4.3 | 0.70 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 26 | 4.1 | 0.70 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 25 | 4.1 | 0.70 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 25 | 4.7 | 0.70 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 25 | 4.5 | 0.60 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 24 | 4.1 | 0.60 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 21 | 3.9 | 1.2 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 20 | 3.5 | 2.3 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 19 | 3.5 | 1.4 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 19 | 3.9 | 1.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 18 | 3.7 | 0.93 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 16 | 2.8 | 0.82 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 19 | 2.8 | 0.71 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 16 | 2.3 | 0.61 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 14 | 2.0 | 0.15 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 13 | 13 | 1.8 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 12 | 12 | 1.6 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 16 | --- | 1.4 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 133.22 | 642 | 172.6 | 25.69 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.30 | 21.4 | 5.57 | 0.83 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 264 | 1270 | 342 | 51 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 42 | 12 | 2.3 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 1.4 | 0.0 | 0.0 |

CAL YR 1985 TOTAL 887.00 MEAN 2.43 MAX 56 MIN 0.00 AC-FT 1760

WTR YR 1986 TOTAL 973.51 MEAN 2.67 MAX 42 MIN 0.00 AC-FT 1930

MAX DISCH 68 CFS AT 1700 06-JUN-1986 GH 1.97 FT. SHIFT -.05 FT. MAX GH 1.97 FT. AT 1700 06-JUN-1986



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1987)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record good.

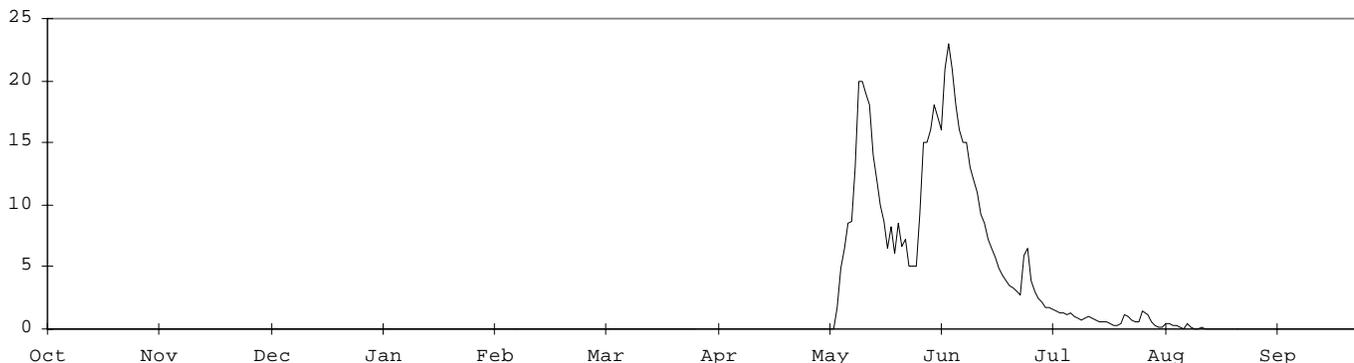
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 3.9 | 1.4 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 3.0 | 1.2 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 2.5 | 0.52 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 2.1 | 0.35 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 1.8 | 0.14 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 1.7 | 0.14 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 1.6 | 0.43 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 23 | 1.4 | 0.43 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 21 | 1.3 | 0.35 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 18 | 1.3 | 0.27 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 16 | 1.2 | 0.14 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 15 | 1.3 | 0.05 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 15 | 1.0 | 0.43 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 13 | 0.93 | 0.20 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 12 | 0.71 | 0.02 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 11 | 0.82 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 9.2 | 1.0 | 0.19 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 8.5 | 0.82 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 7.2 | 0.71 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 6.5 | 0.61 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 5.8 | 0.61 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 4.9 | 0.52 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 4.3 | 0.43 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 3.9 | 0.35 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 3.5 | 0.35 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 3.3 | 0.43 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 3.0 | 1.1 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 2.8 | 1.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 5.1 | 5.9 | 0.71 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 5.1 | 6.5 | 0.61 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 9.2 | --- | 0.52 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 232.7 | 337.3 | 36.33 | 6.26 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.51 | 11.2 | 1.17 | 0.20 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 462 | 669 | 72 | 12 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 23 | 3.9 | 1.4 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.35 | 0.0 | 0.0 |

CAL YR 1986 TOTAL 973.51 MEAN 2.67 MAX 42 MIN 0.00 AC-FT 1930
WTR YR 1987 TOTAL 612.59 MEAN 1.68 MAX 23 MIN 0.00 AC-FT 1220

MAX DISCH 39 CFS AT 2100 07-JUN-1987 GH 1.41 FT. SHIFT -.05 FT. MAX GH 1.41 FT. AT 2100 07-JUN-1987



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1988)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record good.

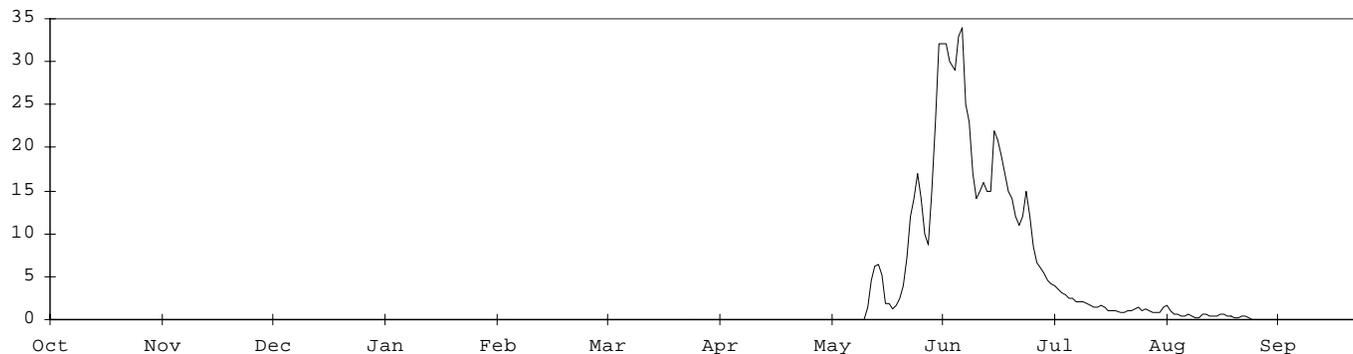
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 6.6 | 1.1 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 6.0 | 0.93 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 5.3 | 0.76 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 4.5 | 0.74 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 4.1 | 1.4 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 4.0 | 1.6 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 | 3.5 | 1.1 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29 | 3.2 | 0.71 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 2.9 | 0.54 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34 | 2.5 | 0.49 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 2.5 | 0.39 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 2.1 | 0.66 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 2.0 | 0.41 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 2.0 | 0.25 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 15 | 1.8 | 0.15 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 16 | 1.6 | 0.58 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 15 | 1.4 | 0.62 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 15 | 1.4 | 0.45 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 22 | 1.6 | 0.38 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 21 | 1.4 | 0.37 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 19 | 1.1 | 0.65 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 17 | 1.1 | 0.55 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 15 | 1.1 | 0.43 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 14 | 0.93 | 0.35 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 12 | 0.82 | 0.27 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 11 | 1.1 | 0.30 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 12 | 1.1 | 0.43 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 15 | 1.2 | 0.35 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 12 | 1.4 | 0.25 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 14 | 8.5 | 1.1 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 10 | --- | 1.2 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 110.8 | 587.2 | 72.55 | 17.22 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.57 | 19.6 | 2.34 | 0.56 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 220 | 1160 | 144 | 34 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 34 | 6.6 | 1.6 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 0.82 | 0.0 | 0.0 |

CAL YR 1987 TOTAL 612.59 MEAN 1.68 MAX 23 MIN 0.00 AC-FT 1220
WTR YR 1988 TOTAL 787.77 MEAN 2.15 MAX 34 MIN 0.00 AC-FT 1560

MAX DISCH 52 CFS AT 1700 04-JUN-1988 GH 1.63 FT. SHIFT 0.00 FT. MAX GH 1.87 FT. AT 0600 16-MAY-1988



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1989)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record good.

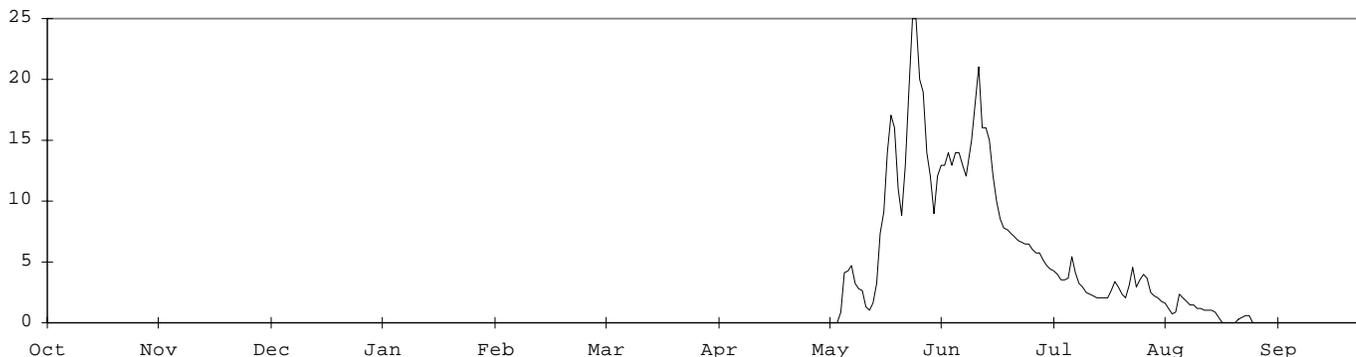
RATING TABLE.--COLDITCO01 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|--------|-------|-------|-------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 6.1 | 3.9 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 5.7 | 3.7 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 5.8 | 2.5 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 5.2 | 2.2 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 4.7 | 2.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 4.4 | 1.7 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 4.2 | 1.6 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 3.9 | 1.2 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.92 | 13 | 3.6 | 0.79 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 14 | 3.6 | 0.85 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 14 | 3.7 | 2.3 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 13 | 5.5 | 2.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 12 | 4.1 | 1.7 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 15 | 3.3 | 1.4 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 18 | 2.9 | 1.4 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 21 | 2.5 | 1.2 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 16 | 2.3 | 1.2 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 16 | 2.2 | 1.1 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 15 | 2.1 | 1.1 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 12 | 2.0 | 1.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 10 | 2.0 | 0.85 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 8.5 | 2.0 | 0.44 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 7.8 | 2.7 | 0.05 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 7.6 | 3.4 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 7.4 | 3.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 | 7.0 | 2.3 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 6.8 | 2.1 | 0.23 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 6.6 | 3.1 | 0.44 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 25 | 6.5 | 4.6 | 0.61 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 25 | 6.4 | 2.9 | 0.56 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 20 | --- | 3.6 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 215.02 | 359.6 | 109.5 | 38.02 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.94 | 12.0 | 3.53 | 1.23 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 426 | 713 | 217 | 75 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 21 | 6.1 | 3.9 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 2.0 | 0.0 | 0.0 |

CAL YR 1988 TOTAL 787.77 MEAN 2.15 MAX 34 MIN 0.00 AC-FT 1560
WTR YR 1989 TOTAL 722.14 MEAN 1.98 MAX 25 MIN 0.00 AC-FT 1430

MAX DISCH 41 CFS AT 1930 29-MAY-1989 GH 1.38 FT. SHIFT 0.01 FT. MAX GH 1.38 FT. AT 1930 29-MAY-1989



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREEMONT PASS, CO (1990)

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder with satellite telemetry at 6' Parshall flume.

REMARKS.--Record good.

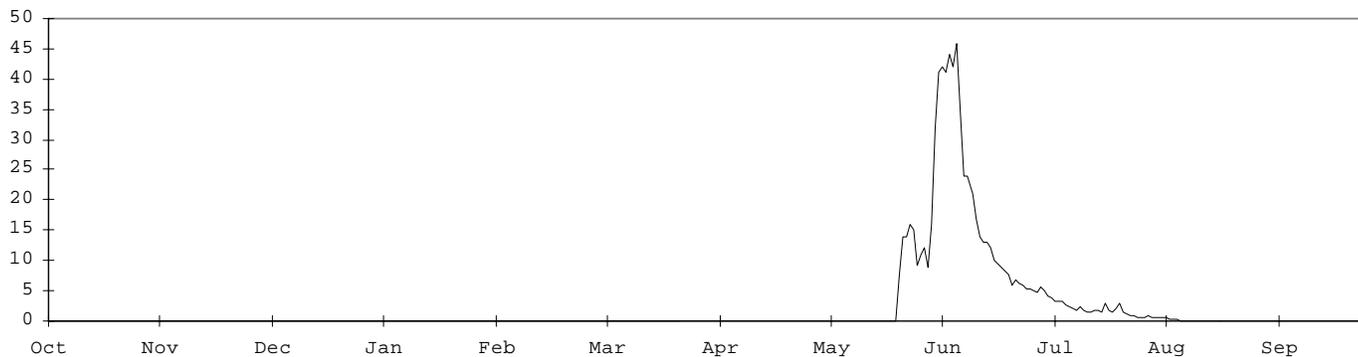
RATING TABLE.--RATING TABLE COLDITCO01 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 4.9 | 0.69 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 | 4.7 | 0.74 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 5.6 | 0.64 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 5.1 | 0.69 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41 | 4.1 | 0.60 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42 | 3.8 | 0.61 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41 | 3.3 | 0.52 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44 | 3.4 | 0.40 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42 | 3.2 | 0.39 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46 | 2.7 | 0.27 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 2.3 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 2.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 1.9 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 2.4 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 1.7 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 1.4 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 1.5 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 1.7 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 1.7 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 1.4 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.4 | 3.0 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.9 | 1.8 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.4 | 1.6 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 2.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.8 | 6.0 | 3.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 6.7 | 1.6 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 6.2 | 1.2 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 5.8 | 1.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 15 | 5.4 | 0.96 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 9.3 | 5.2 | 0.61 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 11 | --- | 0.71 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 87.1 | 577.5 | 76.28 | 5.55 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.81 | 19.3 | 2.46 | 0.18 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 173 | 1150 | 151 | 11 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 46 | 5.6 | 0.74 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 0.61 | 0.0 | 0.0 |

CAL YR 1989 TOTAL 722.14 MEAN 1.98 MAX 25 MIN 0.00 AC-FT 1430
WTR YR 1990 TOTAL 746.43 MEAN 2.05 MAX 46 MIN 0.00 AC-FT 1480

MAX DISCH 77 CFS AT 1845 08-JUN-1990 GH 2.07 FT. SHIFT 0.00 FT. MAX GH 2.07 FT. AT 1845 08-JUN-1990



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1980)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

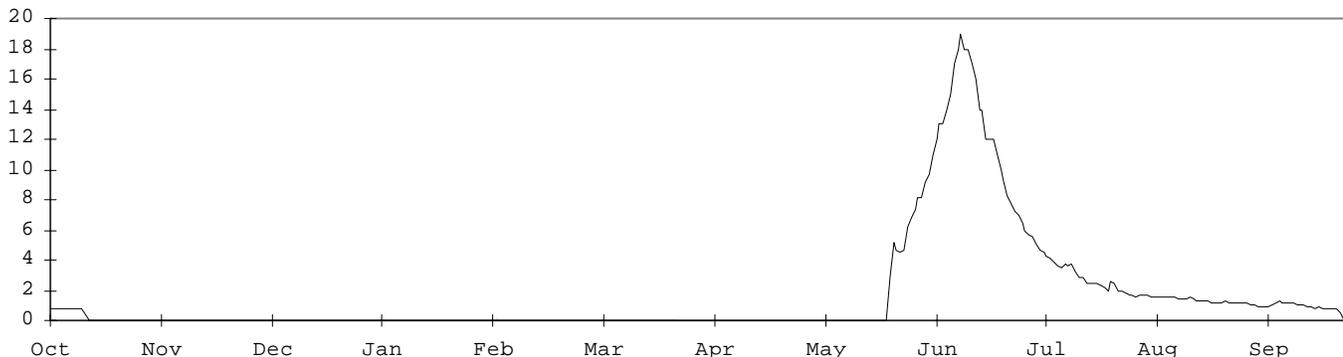
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-----|-----|-----|-----|-----|-----|------|-------|------|------|-------|
| 1 | 0.80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 5.7 | 1.7 | 0.98 |
| 2 | 0.80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 5.5 | 1.7 | 0.98 |
| 3 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 5.0 | 1.7 | 0.89 |
| 4 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 4.7 | 1.6 | 0.89 |
| 5 | 0.80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 4.5 | 1.6 | 0.89 |
| 6 | 0.80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 4.2 | 1.5 | 0.89 |
| 7 | 0.80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 4.1 | 1.5 | 0.98 |
| 8 | 0.80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 3.9 | 1.5 | 1.2 |
| 9 | 0.80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 3.6 | 1.5 | 1.3 |
| 10 | 0.80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 3.5 | 1.5 | 1.2 |
| 11 | 0.45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 3.8 | 1.5 | 1.1 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 3.6 | 1.4 | 1.1 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 3.8 | 1.4 | 1.1 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 3.2 | 1.4 | 0.98 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 2.9 | 1.6 | 0.98 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 2.8 | 1.4 | 0.98 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 2.5 | 1.3 | 0.89 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 2.4 | 1.3 | 0.89 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.4 | 1.3 | 0.80 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.4 | 1.3 | 0.89 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.3 | 1.2 | 0.80 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 2.2 | 1.1 | 0.80 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 10 | 2.0 | 1.1 | 0.80 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 9.3 | 2.6 | 1.2 | 0.80 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 8.3 | 2.4 | 1.3 | 0.80 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 7.7 | 2.0 | 1.2 | 0.47 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 7.2 | 1.9 | 1.1 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 7.0 | 1.8 | 1.1 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 6.4 | 1.7 | 1.1 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 7.3 | 6.0 | 1.7 | 1.1 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 8.1 | --- | 1.6 | 1.1 | --- |
| TOTAL | 8.29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50.5 | 364.8 | 96.7 | 42.3 | 24.38 |
| MEAN | 0.27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.63 | 12.2 | 3.12 | 1.36 | 0.81 |
| AC-FT | 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100 | 724 | 192 | 84 | 48 |
| MAX | 0.80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 19 | 5.7 | 1.7 | 1.3 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 1.6 | 1.1 | 0.0 |

CAL YR 1979 TOTAL 810.36 MEAN 2.22 MAX 24 MIN 0.00 AC-FT 1610
WTR YR 1980 TOTAL 586.97 MEAN 1.60 MAX 19 MIN 0.00 AC-FT 1160

MAX DISCH 19.9 CFS AT 1800 10-JUN-1980 GH 1.15 FT. SHIFT 0.00 FT. MAX GH 1.15 FT. AT 1800 10-JUN-1980



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1981)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

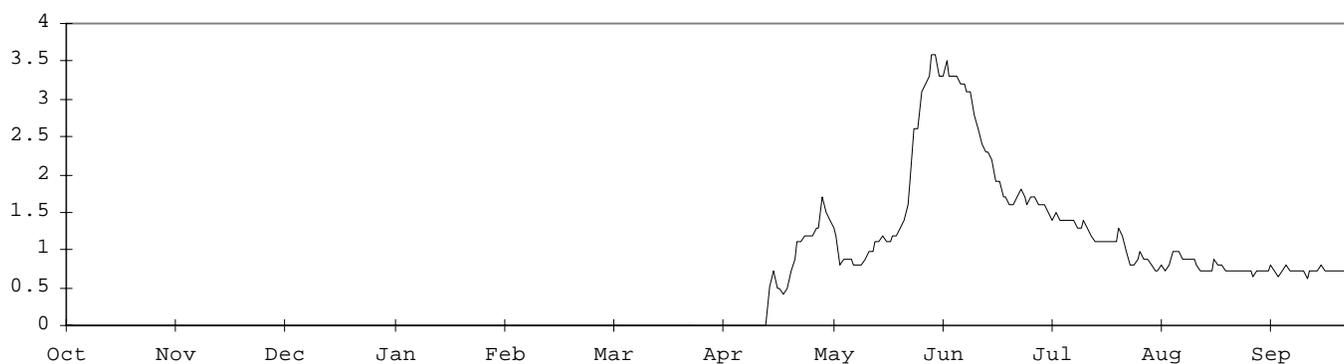
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-------|-------|------|-------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 3.2 | 1.7 | 0.98 | 0.72 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 3.3 | 1.7 | 0.89 | 0.64 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 3.6 | 1.6 | 0.89 | 0.72 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.6 | 1.6 | 0.80 | 0.72 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 3.3 | 1.6 | 0.72 | 0.72 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 3.3 | 1.5 | 0.72 | 0.72 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 3.5 | 1.4 | 0.80 | 0.80 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 3.3 | 1.5 | 0.72 | 0.72 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 3.3 | 1.4 | 0.80 | 0.64 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 3.3 | 1.4 | 0.98 | 0.72 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 3.2 | 1.4 | 0.98 | 0.80 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 3.2 | 1.4 | 0.98 | 0.72 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 3.1 | 1.4 | 0.89 | 0.72 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 3.1 | 1.3 | 0.89 | 0.72 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 2.8 | 1.3 | 0.89 | 0.72 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 2.6 | 1.4 | 0.89 | 0.72 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 2.4 | 1.3 | 0.80 | 0.63 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.51 | 1.1 | 2.3 | 1.2 | 0.72 | 0.72 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 1.1 | 2.3 | 1.1 | 0.72 | 0.72 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 1.2 | 2.2 | 1.1 | 0.72 | 0.72 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 1.1 | 1.9 | 1.1 | 0.72 | 0.80 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 1.1 | 1.9 | 1.1 | 0.89 | 0.72 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 1.2 | 1.7 | 1.1 | 0.80 | 0.72 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 1.2 | 1.7 | 1.1 | 0.80 | 0.72 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 1.3 | 1.6 | 1.1 | 0.72 | 0.72 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.4 | 1.6 | 1.3 | 0.72 | 0.72 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.6 | 1.7 | 1.2 | 0.72 | 0.72 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.9 | 1.8 | 0.98 | 0.72 | 0.72 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 1.2 | 2.6 | 1.7 | 0.80 | 0.72 | 0.80 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 1.2 | 2.6 | 1.6 | 0.80 | 0.72 | 0.72 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 3.1 | --- | 0.89 | 0.72 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.53 | 40.92 | 78.1 | 39.77 | 25.03 | 21.67 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.35 | 1.32 | 2.60 | 1.28 | 0.81 | 0.72 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 81 | 155 | 79 | 50 | 43 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 3.1 | 3.6 | 1.7 | 0.98 | 0.80 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 1.6 | 0.80 | 0.72 | 0.63 |

CAL YR 1980 TOTAL 578.68 MEAN 1.58 MAX 19 MIN 0.00 AC-FT 1150
WTR YR 1981 TOTAL 216.02 MEAN 0.59 MAX 3.6 MIN 0.00 AC-FT 428

MAX DISCH 3.92 CFS AT 2300 04-JUN-1981 GH 0.44 FT. SHIFT -0.03 FT. MAX GH 0.44 FT. AT 2300 04-JUN-1981



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1982)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

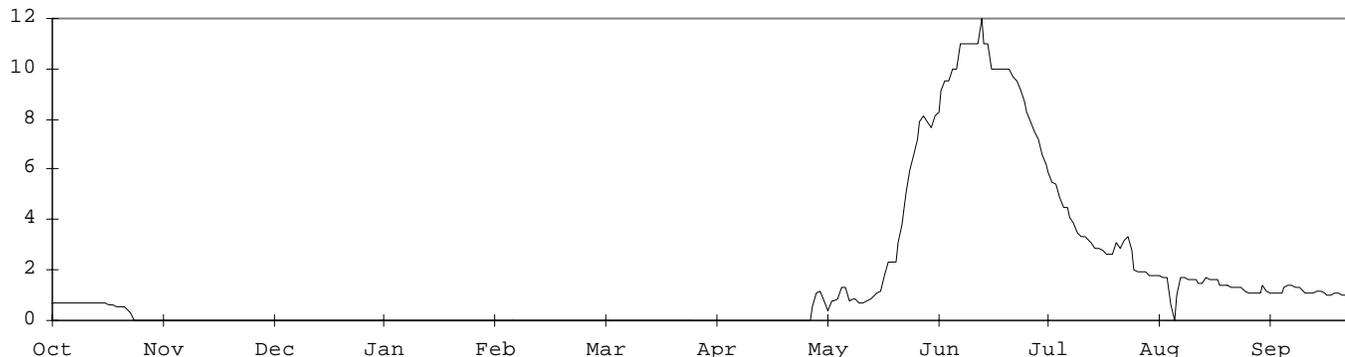
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|
| 1 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 8.3 | 1.9 | 1.1 |
| 2 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.53 | 8.1 | 7.9 | 1.9 | 1.1 |
| 3 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 7.9 | 7.5 | 1.9 | 1.1 |
| 4 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 7.7 | 7.2 | 1.8 | 1.1 |
| 5 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 8.1 | 6.6 | 1.8 | 1.4 |
| 6 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 8.3 | 6.2 | 1.8 | 1.2 |
| 7 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 9.1 | 5.9 | 1.8 | 1.1 |
| 8 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 9.5 | 5.5 | 1.7 | 1.1 |
| 9 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 9.5 | 5.4 | 1.7 | 1.1 |
| 10 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 10 | 4.9 | 0.65 | 1.1 |
| 11 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 10 | 4.5 | 0.0 | 1.3 |
| 12 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 11 | 4.5 | 0.99 | 1.4 |
| 13 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 11 | 4.1 | 1.7 | 1.4 |
| 14 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 11 | 3.9 | 1.7 | 1.3 |
| 15 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 11 | 3.5 | 1.6 | 1.3 |
| 16 | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 11 | 3.3 | 1.6 | 1.2 |
| 17 | 0.64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 11 | 3.3 | 1.6 | 1.1 |
| 18 | 0.64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 12 | 3.2 | 1.5 | 1.1 |
| 19 | 0.56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 11 | 3.1 | 1.5 | 1.1 |
| 20 | 0.56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 11 | 2.9 | 1.7 | 1.2 |
| 21 | 0.56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 10 | 2.9 | 1.6 | 1.2 |
| 22 | 0.49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 10 | 2.8 | 1.6 | 1.1 |
| 23 | 0.33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 10 | 2.6 | 1.6 | 0.98 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 10 | 2.6 | 1.4 | 0.98 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 10 | 2.6 | 1.4 | 1.1 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 10 | 3.1 | 1.4 | 1.1 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 9.7 | 2.9 | 1.3 | 0.98 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 9.5 | 3.2 | 1.3 | 0.98 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 6.0 | 9.1 | 3.3 | 1.3 | 0.98 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 6.6 | 8.7 | 2.8 | 1.3 | 1.1 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 7.2 | --- | 2.0 | 1.2 | --- |
| TOTAL | 15.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.53 | 293.1 | 132.5 | 46.24 | 34.30 |
| MEAN | 0.49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.89 | 9.77 | 4.27 | 1.49 | 1.14 |
| AC-FT | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 116 | 581 | 263 | 92 | 68 |
| MAX | 0.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 12 | 8.3 | 1.9 | 1.4 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 2.0 | 0.0 | 0.98 |

CAL YR 1981 TOTAL 231.32 MEAN 0.63 MAX 3.6 MIN 0.00 AC-FT 459
WTR YR 1982 TOTAL 579.97 MEAN 1.59 MAX 12 MIN 0.00 AC-FT 1150

MAX DISCH 12.2 CFS AT 1430 18-JUN-1982 GH 0.85 FT. SHIFT -0.01 FT. MAX GH 0.85 FT. AT 1430 18-JUN-1982



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1983)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

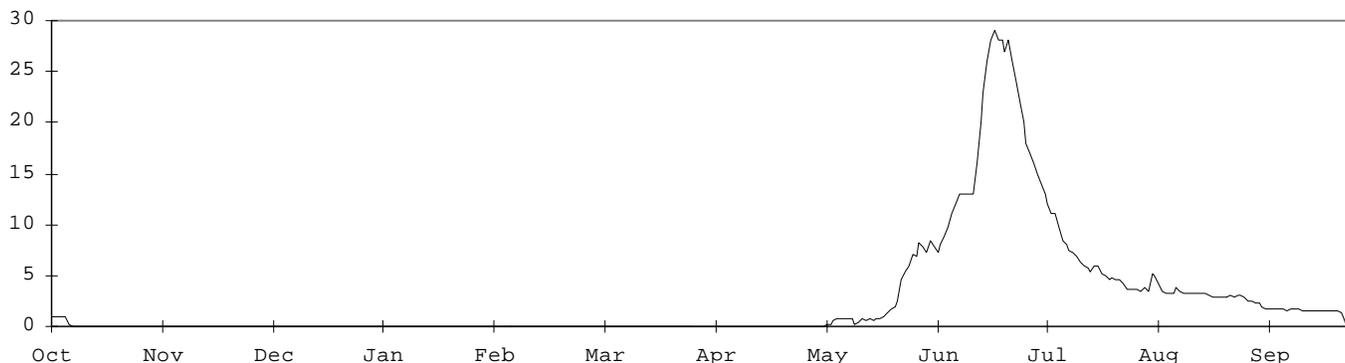
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|
| 1 | 0.98 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 18 | 3.6 | 2.5 |
| 2 | 0.98 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 17 | 3.5 | 2.4 |
| 3 | 0.89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 16 | 3.9 | 2.3 |
| 4 | 0.89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 15 | 3.5 | 2.3 |
| 5 | 0.89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 14 | 5.1 | 2.0 |
| 6 | 0.24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.20 | 7.3 | 13 | 4.9 | 1.8 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.24 | 8.1 | 12 | 4.2 | 1.8 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 8.7 | 11 | 3.5 | 1.8 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 9.7 | 11 | 3.2 | 1.7 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 11 | 9.7 | 3.2 | 1.8 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 12 | 8.5 | 3.2 | 1.7 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 13 | 8.1 | 3.9 | 1.6 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.73 | 13 | 7.5 | 3.5 | 1.7 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.12 | 13 | 7.2 | 3.3 | 1.8 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.41 | 13 | 6.8 | 3.3 | 1.8 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.83 | 13 | 6.4 | 3.2 | 1.6 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.65 | 16 | 5.9 | 3.3 | 1.6 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 20 | 5.7 | 3.2 | 1.6 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.66 | 23 | 5.4 | 3.2 | 1.6 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.79 | 26 | 5.9 | 3.2 | 1.6 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 28 | 6.0 | 3.1 | 1.6 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 29 | 5.2 | 2.9 | 1.5 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 28 | 4.9 | 2.9 | 1.5 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 28 | 4.5 | 2.8 | 1.5 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 27 | 4.7 | 2.8 | 1.5 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 28 | 4.5 | 2.9 | 1.5 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 26 | 4.5 | 3.1 | 1.3 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 24 | 4.2 | 2.8 | 0.32 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 6.0 | 22 | 3.6 | 3.1 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 7.0 | 20 | 3.6 | 3.1 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | 0.0 | --- | 0.0 | 6.8 | --- | 3.6 | 2.8 | --- |
| TOTAL | 4.87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 48.31 | 506.6 | 253.4 | 104.2 | 47.72 |
| MEAN | 0.16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.56 | 16.9 | 8.17 | 3.36 | 1.59 |
| AC-FT | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 96 | 1000 | 503 | 207 | 95 |
| MAX | 0.98 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 29 | 18 | 5.1 | 2.5 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 3.6 | 2.8 | 0.0 |

CAL YR 1982 TOTAL 569.54 MEAN 1.56 MAX 12 MIN 0.00 AC-FT 1130
WTR YR 1983 TOTAL 965.10 MEAN 2.64 MAX 29 MIN 0.00 AC-FT 1910

MAX DISCH 33 CFS AT 2100 21-JUN-1983 GH 1.60 FT. SHIFT -0.01 FT. MAX GH 1.60 FT. AT 2100 21-JUN-1983



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1984)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

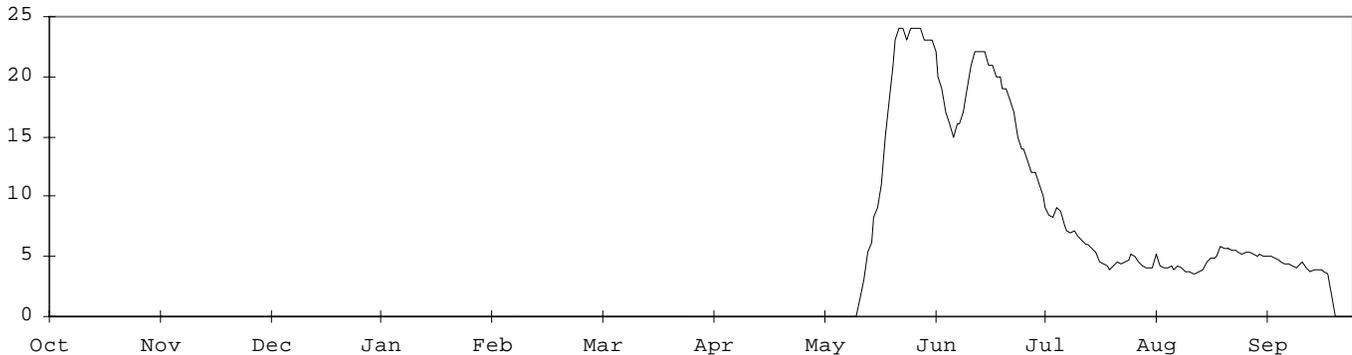
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|------|-------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 13 | 4.5 | 5.4 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 12 | 4.2 | 5.2 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 12 | 4.1 | 5.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 11 | 4.1 | 5.2 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 10 | 4.1 | 5.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 9.1 | 5.2 | 5.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 8.5 | 4.2 | 5.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 8.3 | 4.1 | 4.9 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 9.1 | 4.1 | 4.7 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 8.7 | 4.2 | 4.5 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 7.7 | 3.9 | 4.4 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 7.2 | 4.2 | 4.4 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 7.0 | 4.1 | 4.2 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 7.2 | 3.8 | 4.1 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 21 | 6.6 | 3.8 | 4.4 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 22 | 6.4 | 3.5 | 4.5 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 22 | 6.0 | 3.5 | 4.1 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 22 | 6.0 | 3.8 | 3.8 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 22 | 5.7 | 3.9 | 3.9 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 21 | 5.4 | 4.5 | 3.9 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 21 | 4.5 | 4.9 | 3.9 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 20 | 4.4 | 4.9 | 3.8 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 20 | 4.2 | 5.0 | 3.6 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 19 | 3.9 | 5.9 | 1.8 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 19 | 4.2 | 5.7 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 18 | 4.5 | 5.7 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 17 | 4.4 | 5.5 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 15 | 4.5 | 5.5 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 14 | 4.7 | 5.4 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 24 | 14 | 5.2 | 5.2 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 24 | --- | 5.0 | 5.4 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 264.6 | 577 | 216.4 | 140.9 | 104.7 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.54 | 19.2 | 6.98 | 4.55 | 3.49 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 525 | 1140 | 429 | 279 | 208 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 24 | 13 | 5.9 | 5.4 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 3.9 | 3.5 | 0.0 |

CAL YR 1983 TOTAL 960.23 MEAN 2.63 MAX 29 MIN 0.00 AC-FT 1900
WTR YR 1984 TOTAL 1303.6 MEAN 3.56 MAX 24 MIN 0.00 AC-FT 2590

MAX DISCH 30 CFS AT 1600 26-MAY-1984 GH 1.51 FT. SHIFT -0.02 FT. MAX GH 1.51 FT. AT 1600 26-MAY-1984



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1985)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

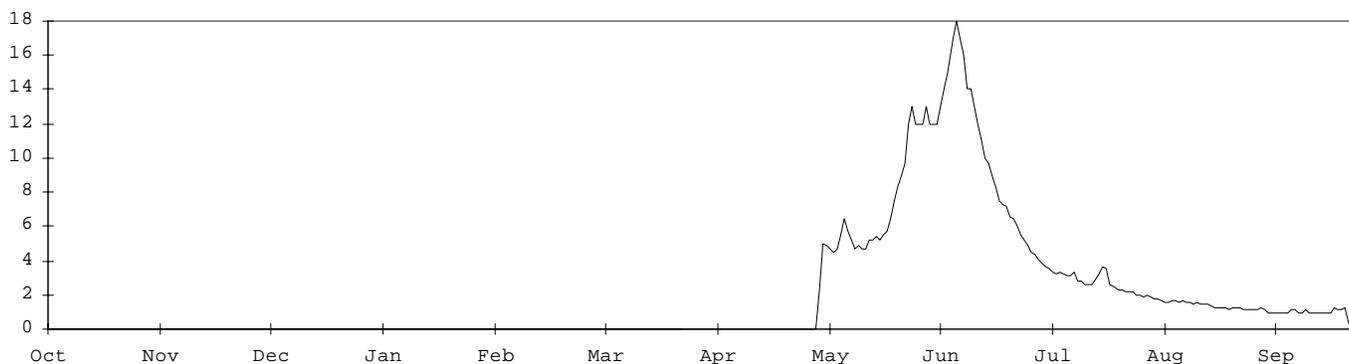
RATING TABLE.-- EWIDITCO02 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|------|------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 4.5 | 1.9 | 1.1 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 4.4 | 2.0 | 1.1 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 12 | 4.1 | 1.9 | 1.2 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 12 | 3.8 | 1.8 | 1.1 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 12 | 3.6 | 1.8 | 0.98 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 13 | 3.5 | 1.7 | 0.98 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 14 | 3.3 | 1.6 | 0.98 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 15 | 3.2 | 1.6 | 0.89 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 17 | 3.3 | 1.7 | 0.89 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 18 | 3.2 | 1.7 | 0.89 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 17 | 3.1 | 1.6 | 1.1 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 16 | 3.1 | 1.7 | 1.1 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 14 | 3.3 | 1.6 | 0.98 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 14 | 2.8 | 1.6 | 0.89 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 13 | 2.8 | 1.5 | 1.1 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 12 | 2.6 | 1.6 | 0.98 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 11 | 2.6 | 1.5 | 0.98 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 10 | 2.6 | 1.5 | 0.98 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 9.7 | 2.9 | 1.5 | 0.98 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 8.9 | 3.2 | 1.4 | 0.98 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 8.3 | 3.6 | 1.3 | 0.98 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 7.5 | 3.5 | 1.3 | 0.98 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 7.3 | 2.6 | 1.3 | 1.2 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 7.2 | 2.5 | 1.3 | 1.1 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 6.6 | 2.3 | 1.1 | 1.1 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.9 | 6.4 | 2.3 | 1.2 | 1.2 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 6.0 | 2.2 | 1.2 | 0.45 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 5.5 | 2.2 | 1.2 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 13 | 5.2 | 2.2 | 1.1 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 12 | 4.9 | 2.0 | 1.1 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 12 | --- | 2.0 | 1.1 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 189.9 | 328.5 | 93.3 | 46.4 | 27.19 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.13 | 10.9 | 3.01 | 1.50 | 0.91 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 377 | 652 | 185 | 92 | 54 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 18 | 4.5 | 2.0 | 1.2 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 2.0 | 1.1 | 0.0 |

CAL YR 1984 TOTAL 1303.6 MEAN 3.56 MAX 24 MIN 0.00 AC-FT 2590
WTR YR 1985 TOTAL 685.29 MEAN 1.88 MAX 18 MIN 0.00 AC-FT 1360

MAX DISCH 19 CFS AT 1100 10-JUN-1985 GH 1.14 FT. SHIFT -0.02 FT. MAX GH 1.14 FT. AT 1100 10-JUN-1985



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1986)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

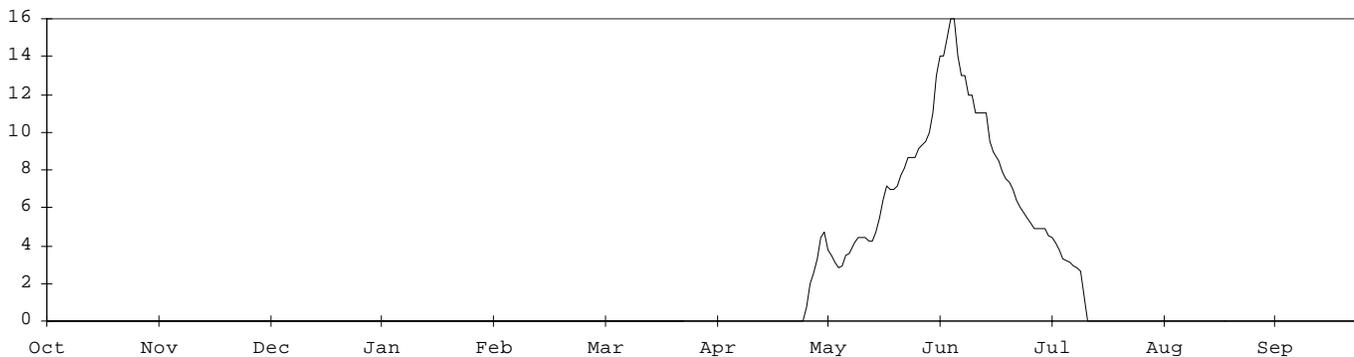
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|------|-------|-------|------|-----|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 9.3 | 5.2 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 9.5 | 4.9 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 10 | 4.9 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 11 | 4.9 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 13 | 4.9 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 14 | 4.5 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 14 | 4.4 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 15 | 4.1 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 16 | 3.8 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 16 | 3.3 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 14 | 3.2 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 13 | 3.1 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 13 | 2.9 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 12 | 2.8 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 12 | 2.6 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 11 | 1.3 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 11 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 11 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 11 | 0.0 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 9.5 | 0.0 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 8.9 | 0.0 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 8.5 | 0.0 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 7.9 | 0.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 7.5 | 0.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 7.3 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 7.0 | 0.0 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 6.4 | 0.0 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 6.0 | 0.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 8.7 | 5.7 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.71 | 8.7 | 5.5 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 9.1 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 161.8 | 316.0 | 60.8 | 0.0 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.02 | 5.22 | 10.5 | 1.96 | 0.0 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 321 | 627 | 121 | 0.0 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 9.1 | 16 | 5.2 | 0.0 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 5.5 | 0.0 | 0.0 | 0.0 |

CAL YR 1985 TOTAL 685.29 MEAN 1.88 MAX 18 MIN 0.00 AC-FT 1360
WTR YR 1986 TOTAL 539.31 MEAN 1.48 MAX 16 MIN 0.00 AC-FT 1070

MAX DISCH 17.8 CFS AT 1200 09-JUN-1986 GH 1.12 FT. -.05 SHIFT FT. MAX GH 1.12 FT. AT 1200 09-JUN-1986



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1987)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

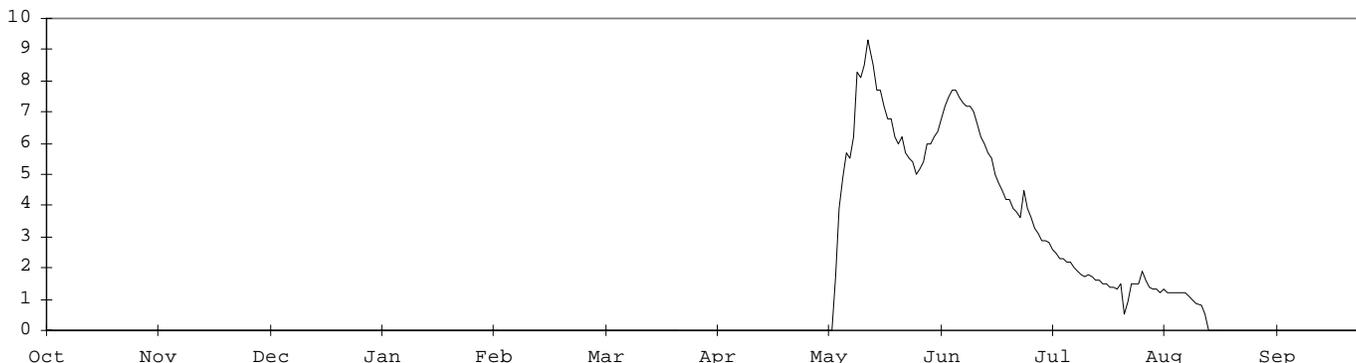
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 3.6 | 1.9 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 3.3 | 1.6 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 3.1 | 1.4 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 2.9 | 1.3 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 2.9 | 1.3 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 2.8 | 1.2 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 2.6 | 1.3 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 7.5 | 2.5 | 1.2 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 7.7 | 2.3 | 1.2 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 7.7 | 2.3 | 1.2 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 7.5 | 2.2 | 1.2 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 7.3 | 2.2 | 1.2 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 7.2 | 2.0 | 1.2 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 7.2 | 1.9 | 1.1 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 7.0 | 1.8 | 0.98 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 6.6 | 1.7 | 0.89 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.3 | 6.2 | 1.8 | 0.80 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 6.0 | 1.7 | 0.52 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 5.7 | 1.6 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 5.5 | 1.6 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 5.0 | 1.5 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 4.7 | 1.5 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 4.5 | 1.4 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 4.2 | 1.4 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 4.2 | 1.3 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 3.9 | 1.5 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 3.8 | 0.53 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 3.6 | 0.92 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 5.4 | 4.5 | 1.5 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 5.0 | 3.9 | 1.5 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 5.2 | --- | 1.5 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 152.0 | 175.4 | 61.35 | 21.49 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.90 | 5.85 | 1.98 | 0.69 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 301 | 348 | 122 | 43 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.3 | 7.7 | 3.6 | 1.9 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 0.53 | 0.0 | 0.0 |

CAL YR 1986 TOTAL 539.31 MEAN 1.48 MAX 16 MIN 0.00 AC-FT 1070
WTR YR 1987 TOTAL 410.24 MEAN 1.12 MAX 9.3 MIN 0.00 AC-FT 814

MAX DISCH 12 CFS AT 1700 17-MAY-1987 GH 0.90 FT. SHIFT -.05 FT. MAX GH 0.90 FT. AT 1700 17-MAY-1987



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1988)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

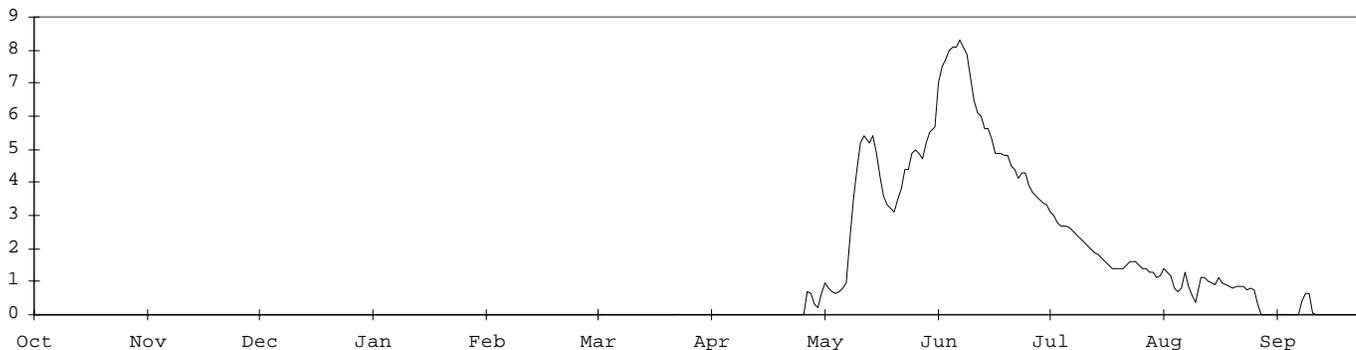
RATING TABLE.--RATING TABLE EWIDITC002 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|------|-------|-------|------|-------|------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 4.7 | 3.7 | 1.4 | 0.33 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.30 | 5.2 | 3.6 | 1.3 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.19 | 5.5 | 3.5 | 1.3 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 5.7 | 3.4 | 1.1 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 7.0 | 3.3 | 1.2 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 7.5 | 3.1 | 1.4 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 7.7 | 3.0 | 1.3 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 8.0 | 2.8 | 1.2 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 8.1 | 2.7 | 0.83 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 8.1 | 2.7 | 0.67 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 8.3 | 2.6 | 0.82 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 8.1 | 2.5 | 1.3 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 7.9 | 2.4 | 0.84 | 0.45 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 7.2 | 2.3 | 0.58 | 0.64 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 6.5 | 2.2 | 0.40 | 0.64 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 6.1 | 2.1 | 1.1 | 0.08 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 6.0 | 2.0 | 1.1 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 5.6 | 1.9 | 1.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 5.6 | 1.8 | 0.94 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 5.3 | 1.7 | 0.92 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 4.9 | 1.6 | 1.1 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 4.9 | 1.5 | 0.97 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 4.8 | 1.4 | 0.90 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 4.8 | 1.4 | 0.86 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 4.5 | 1.4 | 0.83 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 4.4 | 1.4 | 0.85 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 4.1 | 1.5 | 0.85 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 4.3 | 1.6 | 0.84 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 4.3 | 1.6 | 0.76 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.72 | 5.0 | 3.9 | 1.5 | 0.78 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 4.9 | --- | 1.4 | 0.76 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 92.01 | 179.0 | 69.6 | 30.21 | 2.14 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.02 | 2.97 | 5.97 | 2.25 | 0.97 | 0.07 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 183 | 355 | 138 | 60 | 4.2 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 5.4 | 8.3 | 3.7 | 1.4 | 0.64 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.19 | 3.9 | 1.4 | 0.40 | 0.0 |

CAL YR 1987 TOTAL 410.24 MEAN 1.12 MAX 9.3 MIN 0.00 AC-FT 814
WTR YR 1988 TOTAL 373.68 MEAN 1.02 MAX 8.3 MIN 0.00 AC-FT 741

MAX DISCH 8.9 CFS AT 2030 09-JUN-1988 GH 0.73 FT. SHIFT -0.04 FT.



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1989)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

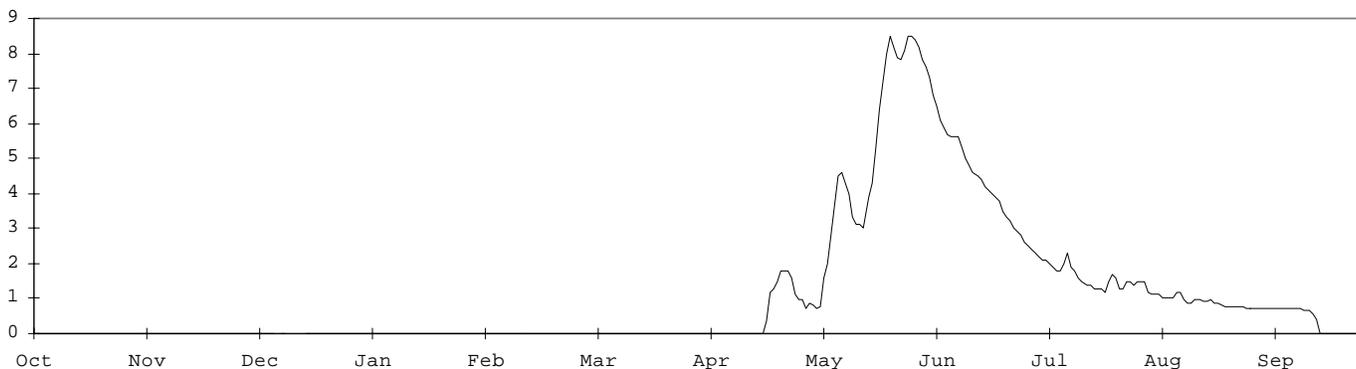
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-------|--------|-------|------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 8.2 | 2.5 | 1.5 | 0.71 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 7.8 | 2.4 | 1.5 | 0.70 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 7.6 | 2.3 | 1.2 | 0.70 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 7.3 | 2.2 | 1.1 | 0.71 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.78 | 6.8 | 2.1 | 1.1 | 0.71 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 6.5 | 2.1 | 1.1 | 0.72 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 6.1 | 2.0 | 1.0 | 0.71 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 5.9 | 1.9 | 1.0 | 0.72 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 5.7 | 1.8 | 1.0 | 0.72 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 5.6 | 1.8 | 1.00 | 0.72 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 5.6 | 2.0 | 1.2 | 0.72 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 5.6 | 2.3 | 1.2 | 0.72 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 5.3 | 1.9 | 0.98 | 0.72 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 5.0 | 1.8 | 0.89 | 0.74 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 4.8 | 1.6 | 0.89 | 0.69 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 4.6 | 1.5 | 0.95 | 0.64 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 4.5 | 1.4 | 0.97 | 0.56 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 4.4 | 1.4 | 0.94 | 0.43 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 4.2 | 1.3 | 0.94 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 5.3 | 4.1 | 1.3 | 0.98 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 6.4 | 4.0 | 1.3 | 0.86 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 7.2 | 3.9 | 1.2 | 0.85 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 8.0 | 3.8 | 1.5 | 0.83 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 8.5 | 3.5 | 1.7 | 0.78 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 8.2 | 3.3 | 1.6 | 0.77 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 7.9 | 3.2 | 1.3 | 0.77 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 7.8 | 3.0 | 1.3 | 0.76 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 8.1 | 2.9 | 1.5 | 0.75 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.98 | 8.5 | 2.8 | 1.5 | 0.75 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.98 | 8.5 | 2.6 | 1.4 | 0.74 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 8.4 | --- | 1.5 | 0.72 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.42 | 144.91 | 148.6 | 53.4 | 30.02 | 12.34 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.48 | 4.67 | 4.95 | 1.72 | 0.97 | 0.41 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29 | 287 | 295 | 106 | 60 | 24 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 8.5 | 8.2 | 2.5 | 1.5 | 0.74 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 2.6 | 1.2 | 0.72 | 0.0 |

CAL YR 1988 TOTAL 373.68 MEAN 1.02 MAX 8.3 MIN 0.00 AC-FT 741
WTR YR 1989 TOTAL 403.68 MEAN 1.11 MAX 8.5 MIN 0.00 AC-FT 801

MAX DISCH 10 CFS AT 1715 29-MAY-1989 GH 0.80 FT. SHIFT -0.04 FT. MAX GH 0.80 FT. AT 1715 29-MAY-1989



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO (1990)

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

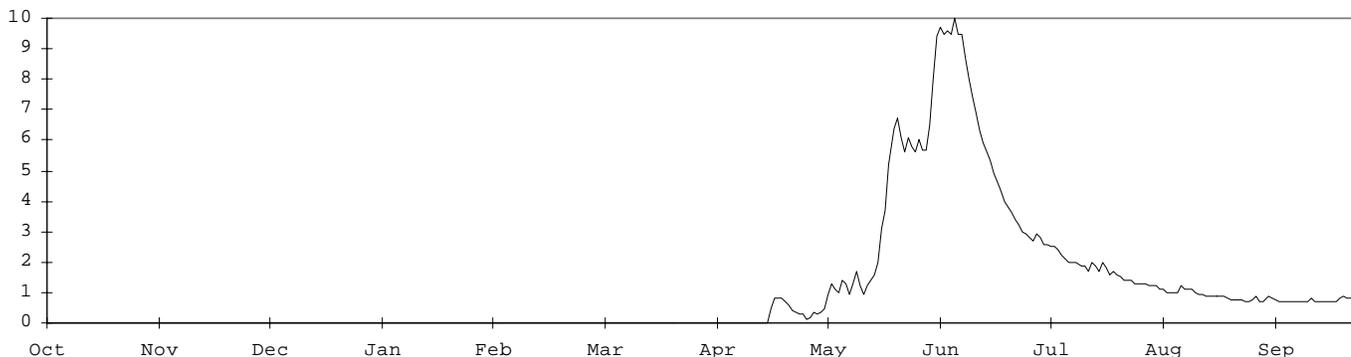
RATING TABLE.--EWIDITCO02 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|------|-------|-------|------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.16 | 5.7 | 2.8 | 1.3 | 0.78 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 5.7 | 2.7 | 1.3 | 0.88 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.30 | 6.5 | 2.9 | 1.2 | 0.73 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.35 | 8.0 | 2.8 | 1.2 | 0.72 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 9.4 | 2.6 | 1.2 | 0.87 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.91 | 9.7 | 2.6 | 1.1 | 0.80 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 9.5 | 2.5 | 1.1 | 0.75 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 9.6 | 2.5 | 1.0 | 0.72 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 9.5 | 2.4 | 1.0 | 0.72 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 10 | 2.2 | 1.0 | 0.70 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 9.5 | 2.1 | 1.0 | 0.68 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 9.5 | 2.0 | 1.2 | 0.72 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 8.7 | 2.0 | 1.1 | 0.72 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 8.0 | 2.0 | 1.1 | 0.72 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 7.4 | 1.9 | 1.1 | 0.72 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.95 | 6.9 | 1.9 | 1.00 | 0.72 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 6.3 | 1.7 | 0.95 | 0.80 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 5.9 | 2.0 | 0.95 | 0.72 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 5.6 | 1.9 | 0.88 | 0.72 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.47 | 2.0 | 5.3 | 1.7 | 0.88 | 0.72 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.81 | 3.1 | 4.9 | 2.0 | 0.87 | 0.72 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.84 | 3.7 | 4.6 | 1.8 | 0.89 | 0.72 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.84 | 5.2 | 4.3 | 1.6 | 0.86 | 0.72 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 6.4 | 4.0 | 1.7 | 0.85 | 0.72 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 6.7 | 3.8 | 1.6 | 0.82 | 0.80 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 6.1 | 3.6 | 1.5 | 0.76 | 0.89 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 5.6 | 3.4 | 1.4 | 0.76 | 0.80 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.29 | 6.1 | 3.2 | 1.4 | 0.76 | 0.80 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.32 | 5.8 | 3.0 | 1.4 | 0.74 | 0.80 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.10 | 5.6 | 2.9 | 1.3 | 0.72 | 0.72 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 6.0 | --- | 1.3 | 0.72 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.72 | 81.25 | 194.4 | 62.2 | 30.30 | 22.60 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.19 | 2.62 | 6.48 | 2.01 | 0.98 | 0.75 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 161 | 386 | 123 | 60 | 45 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.84 | 6.7 | 10 | 2.9 | 1.3 | 0.89 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.16 | 2.9 | 1.3 | 0.72 | 0.68 |

CAL YR 1989 TOTAL 403.68 MEAN 1.11 MAX 8.5 MIN 0.00 AC-FT 801
WTR YR 1990 TOTAL 396.48 MEAN 1.09 MAX 10 MIN 0.00 AC-FT 786

MAX DISCH 13 CFS AT 1815 05-JUN-1990 GH 0.92 FT. SHIFT -0.04 FT. MAX GH 0.92 FT. AT 1815 05-JUN-1990



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1980)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

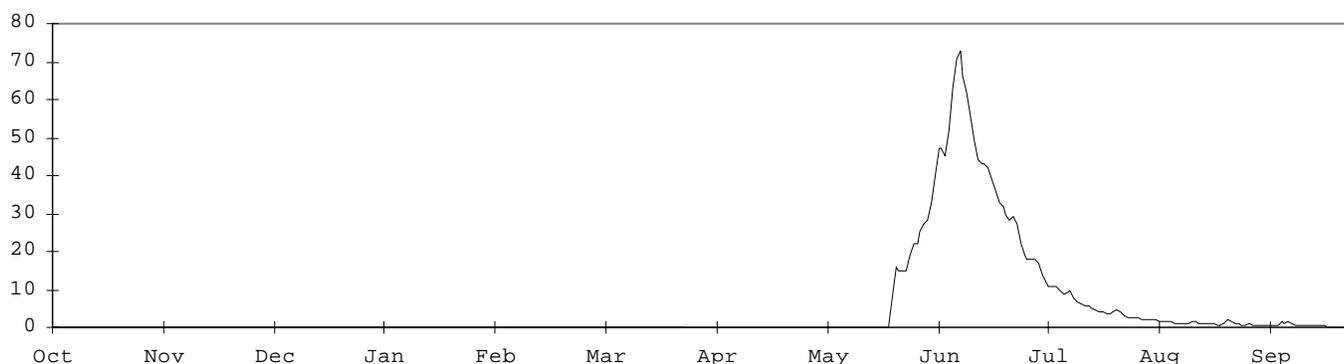
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|------|-------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 18 | 2.3 | 0.61 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 18 | 2.3 | 0.52 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 17 | 2.3 | 0.52 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40 | 14 | 2.0 | 0.52 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47 | 12 | 1.8 | 0.43 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47 | 11 | 1.6 | 0.43 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45 | 11 | 1.4 | 0.43 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52 | 11 | 1.4 | 0.52 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 63 | 9.8 | 1.4 | 1.6 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 71 | 8.7 | 1.0 | 0.93 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 73 | 9.0 | 0.93 | 1.6 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66 | 9.5 | 0.93 | 0.82 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62 | 7.9 | 0.82 | 0.71 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56 | 6.7 | 0.93 | 0.52 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 49 | 6.2 | 1.7 | 0.52 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44 | 5.6 | 1.3 | 0.61 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43 | 5.4 | 0.93 | 0.61 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 43 | 4.9 | 0.93 | 0.52 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42 | 4.7 | 0.82 | 0.43 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39 | 4.1 | 0.82 | 0.52 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36 | 3.9 | 0.82 | 0.43 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 3.5 | 0.71 | 0.20 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 32 | 3.5 | 0.61 | 0.14 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 30 | 3.9 | 0.93 | 0.09 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 28 | 4.7 | 2.0 | 0.05 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 29 | 4.1 | 1.3 | 0.01 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 27 | 3.0 | 0.93 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 22 | 2.8 | 0.82 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 19 | 2.8 | 0.71 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 22 | 18 | 2.8 | 0.71 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 25 | --- | 2.8 | 0.82 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 157.0 | 1244 | 232.3 | 37.97 | 14.29 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.06 | 41.5 | 7.49 | 1.22 | 0.48 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 311 | 2470 | 461 | 75 | 28 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 73 | 18 | 2.3 | 1.6 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 2.8 | 0.61 | 0.0 |

CAL YR 1979 TOTAL 2172.72 MEAN 5.45 MAX 70 MIN 0.00 AC-FT 4310
WTR YR 1980 TOTAL 1685.56 MEAN 4.61 MAX 73 MIN 0.00 AC-FT 3340

MAX DISCH 96 CFS AT 2000 10-JUN-1980 GH 2.39 FT. SHIFT 0.00 FT. MAX GH 2.39 FT. AT 2000 10-JUN-1980



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1981)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

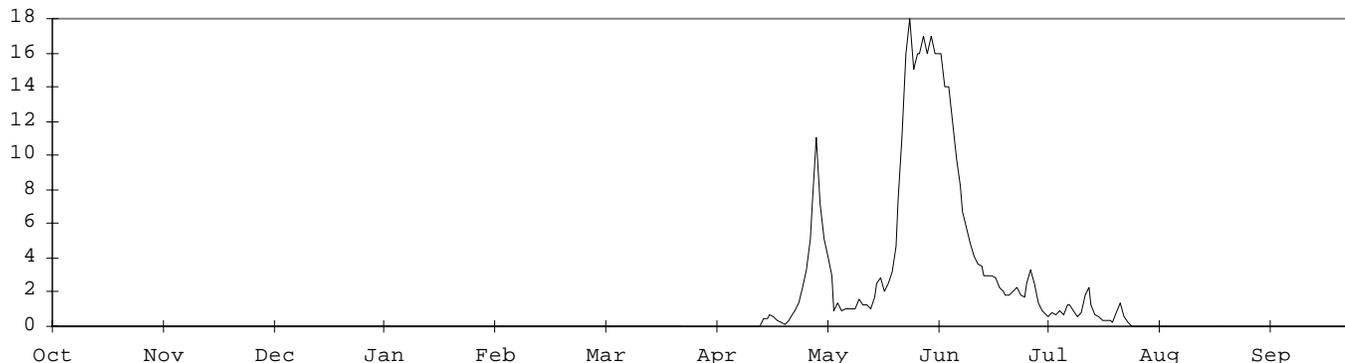
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-------|--------|-------|-------|-----|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 16 | 2.5 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 17 | 3.3 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 16 | 2.5 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 17 | 1.4 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 16 | 0.93 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 16 | 0.71 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 16 | 0.52 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 14 | 0.82 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 14 | 0.71 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 12 | 0.93 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 9.8 | 0.71 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 8.2 | 1.3 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 6.7 | 1.3 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 5.8 | 0.93 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 4.9 | 0.52 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 4.1 | 0.82 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 3.7 | 1.8 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 1.0 | 3.5 | 2.3 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 1.7 | 3.0 | 1.3 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 2.5 | 3.0 | 0.71 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 2.8 | 3.0 | 0.52 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.35 | 2.1 | 2.8 | 0.35 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.20 | 2.5 | 2.3 | 0.35 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.09 | 3.2 | 2.0 | 0.35 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.35 | 4.7 | 1.8 | 0.27 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 7.4 | 1.8 | 0.82 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 11 | 2.0 | 1.4 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 16 | 2.3 | 0.52 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 2.3 | 18 | 1.8 | 0.27 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 3.3 | 15 | 1.7 | 0.02 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 16 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.71 | 158.06 | 228.2 | 30.88 | 0.0 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.39 | 5.10 | 7.61 | 1.00 | 0.0 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 314 | 453 | 61 | 0.0 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 18 | 17 | 3.3 | 0.0 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 1.7 | 0.0 | 0.0 | 0.0 |

CAL YR 1980 TOTAL 1685.56 MEAN 4.61 MAX 73 MIN 0.00 AC-FT 3340
WTR YR 1981 TOTAL 428.85 MEAN 1.17 MAX 18 MIN 0.00 AC-FT 851

MAX DISCH 24 CFS AT 2100 02-JUN-1981 GH 1.00 FT. SHIFT +0.01 FT. MAX GH 1.00 FT. AT 2100 02-JUN-1981



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1982)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

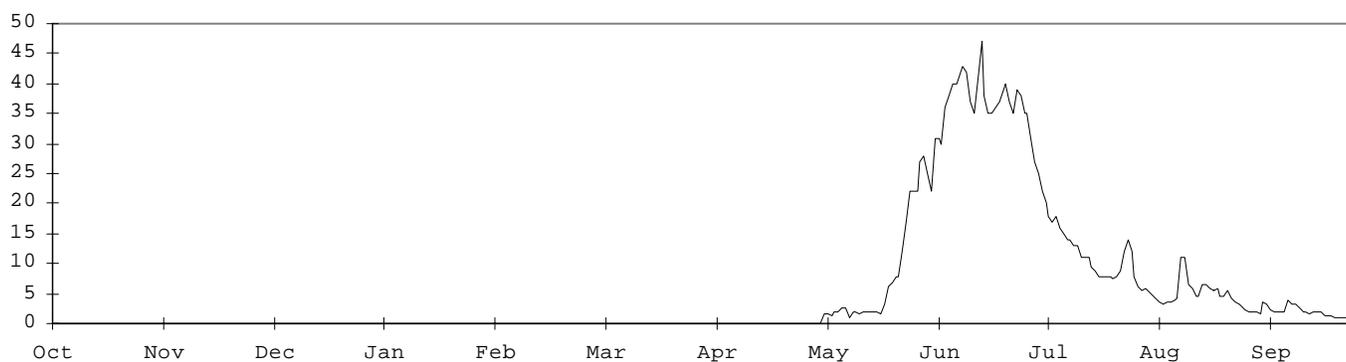
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|--------|------|-------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 35 | 6.2 | 2.1 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 31 | 5.6 | 2.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 27 | 5.8 | 1.8 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 25 | 5.1 | 1.7 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 31 | 22 | 4.5 | 3.7 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 31 | 20 | 4.1 | 3.3 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 30 | 18 | 3.7 | 2.3 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 36 | 17 | 3.3 | 2.1 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 38 | 18 | 3.5 | 2.1 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 40 | 16 | 3.7 | 1.8 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 40 | 15 | 3.9 | 2.1 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 42 | 14 | 4.1 | 3.9 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 43 | 14 | 11 | 3.3 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 42 | 13 | 11 | 3.2 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 37 | 13 | 6.5 | 2.5 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 35 | 11 | 6.0 | 2.1 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 41 | 11 | 4.7 | 1.8 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 47 | 11 | 4.5 | 1.7 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 38 | 9.5 | 6.5 | 1.8 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 35 | 8.7 | 6.5 | 1.8 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 35 | 7.9 | 5.8 | 1.8 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 36 | 7.7 | 5.4 | 1.4 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 37 | 7.9 | 6.0 | 1.4 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 39 | 7.7 | 4.7 | 1.3 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 40 | 7.4 | 4.5 | 0.82 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 37 | 7.9 | 5.6 | 0.93 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 35 | 8.7 | 4.1 | 0.93 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 39 | 12 | 3.7 | 0.93 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 22 | 38 | 14 | 3.3 | 0.93 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 22 | 35 | 12 | 3.0 | 1.3 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 22 | --- | 7.9 | 2.3 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 157.83 | 1079 | 450.3 | 158.6 | 58.84 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.09 | 36.0 | 14.5 | 5.12 | 1.96 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 313 | 2140 | 893 | 315 | 117 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 47 | 35 | 11 | 3.9 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 7.4 | 2.3 | 0.82 |

CAL YR 1981 TOTAL 428.85 MEAN 1.17 MAX 18 MIN 0.00 AC-FT 851
WTR YR 1982 TOTAL 1904.57 MEAN 5.22 MAX 47 MIN 0.00 AC-FT 3780

MAX DISCH 52 CFS AT 2200 17-JUN-1982 GH 1.63 FT. SHIFT 0.00 FT. MAX GH 1.63 FT. AT 2200 17-JUN-1982



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1983)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

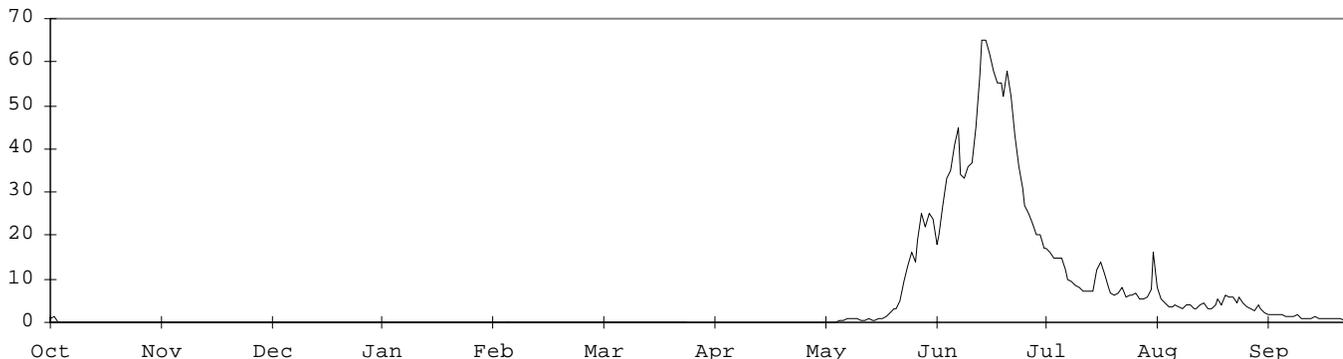
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-----|-----|-----|-----|-----|-----|-------|------|-------|-------|-------|
| 1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 27 | 6.7 | 3.5 |
| 2 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 25 | 5.4 | 3.0 |
| 3 | 0.17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 23 | 5.6 | 2.8 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 20 | 6.0 | 3.9 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 20 | 7.7 | 3.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 17 | 16 | 2.1 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 17 | 8.2 | 2.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 16 | 5.6 | 1.8 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 15 | 4.3 | 1.8 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.45 | 35 | 15 | 3.7 | 1.7 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 41 | 15 | 3.5 | 1.6 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 45 | 12 | 3.9 | 1.4 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 34 | 10 | 3.5 | 1.4 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 33 | 9.5 | 3.0 | 1.4 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 36 | 8.7 | 3.9 | 1.7 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 37 | 7.9 | 4.1 | 1.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 45 | 7.2 | 3.0 | 0.82 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 57 | 7.0 | 3.2 | 0.82 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 65 | 7.0 | 4.1 | 1.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 65 | 7.2 | 4.7 | 1.4 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 62 | 12 | 3.2 | 1.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 58 | 14 | 3.3 | 1.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 55 | 11 | 3.9 | 0.93 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 55 | 8.2 | 5.4 | 0.93 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 52 | 6.7 | 4.1 | 0.93 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 58 | 6.5 | 6.5 | 0.82 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 52 | 6.7 | 5.8 | 0.82 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 43 | 8.2 | 5.8 | 0.38 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 13 | 36 | 6.0 | 4.7 | --- |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 16 | 31 | 6.2 | 5.8 | --- |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 14 | --- | 6.2 | 4.5 | --- |
| TOTAL | 2.47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 76.77 | 1208 | 378.2 | 159.1 | 44.95 |
| MEAN | 0.08 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.48 | 40.3 | 12.2 | 5.13 | 1.61 |
| AC-FT | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 152 | 2400 | 750 | 316 | 89 |
| MAX | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 65 | 27 | 16 | 3.9 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 6.0 | 3.0 | 0.38 |

CAL YR 1982 TOTAL 1907.04 MEAN 5.22 MAX 47 MIN 0.00 AC-FT 3780
WTR YR 1983 TOTAL 1869.49 MEAN 5.12 MAX 65 MIN 0.00 AC-FT 3710

MAX DISCH 87 CFS AT 2000 19-JUN-1983 GH 2.24 FT. SHIFT 0.00 FT. MAX GH 2.24 FT. AT 2000 19-JUN-1983



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1984)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

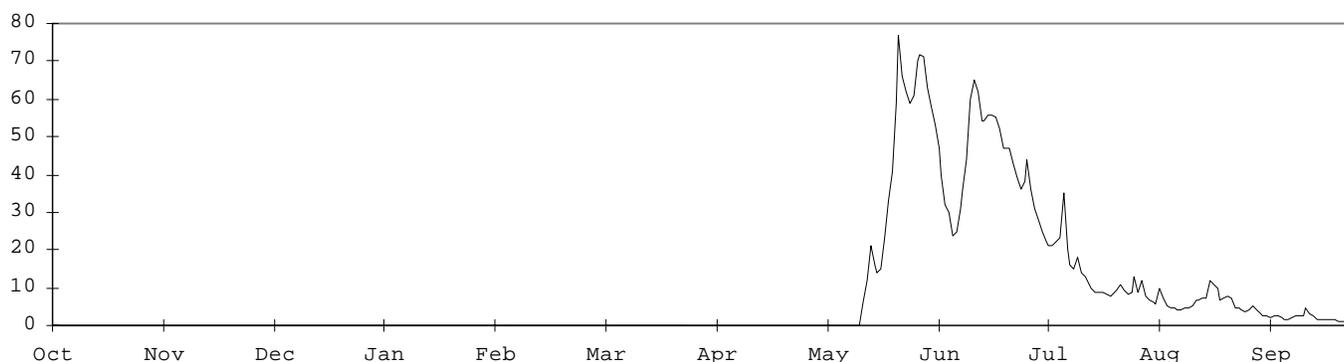
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|------|-------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 71 | 36 | 12 | 5.1 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 63 | 31 | 7.9 | 3.9 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58 | 28 | 6.7 | 3.3 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 53 | 25 | 6.0 | 2.8 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47 | 22 | 5.8 | 2.5 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40 | 21 | 9.8 | 2.3 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 21 | 7.2 | 2.8 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 | 22 | 5.4 | 2.8 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 23 | 4.9 | 2.1 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 35 | 4.7 | 1.8 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31 | 20 | 4.1 | 1.8 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36 | 16 | 4.1 | 2.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44 | 15 | 4.9 | 2.5 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60 | 18 | 4.7 | 2.5 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 65 | 14 | 5.4 | 2.8 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 62 | 13 | 6.5 | 4.9 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 54 | 11 | 6.5 | 3.2 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 54 | 9.8 | 7.2 | 2.5 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 56 | 9.0 | 7.0 | 1.6 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 56 | 9.0 | 12 | 1.6 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 55 | 9.0 | 11 | 1.6 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 52 | 8.2 | 9.8 | 1.7 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41 | 47 | 7.7 | 6.7 | 1.4 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 59 | 47 | 8.2 | 7.4 | 1.3 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 77 | 47 | 9.5 | 7.7 | 1.2 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66 | 43 | 11 | 7.2 | 1.2 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62 | 39 | 9.5 | 4.9 | 1.2 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 59 | 36 | 8.2 | 4.5 | 1.2 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61 | 38 | 9.0 | 4.1 | 1.1 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 70 | 44 | 13 | 3.5 | 0.88 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 72 | --- | 9.0 | 3.9 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 707.0 | 1409 | 501.1 | 203.5 | 67.58 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.8 | 47.0 | 16.2 | 6.56 | 2.25 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1400 | 2790 | 994 | 404 | 134 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 77 | 71 | 36 | 12 | 5.1 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 7.7 | 3.5 | 0.88 |

CAL YR 1983 TOTAL 1867.02 MEAN 5.12 MAX 65 MIN 0.00 AC-FT 3700
WTR YR 1984 TOTAL 2888.18 MEAN 7.89 MAX 77 MIN 0.00 AC-FT 5730

MAX DISCH 87 CFS AT 2000 25-MAY-1984 GH 2.24 FT. SHIFT 0.00 FT. MAX GH 2.24 FT. AT 2000 25-MAY-1984



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1985)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

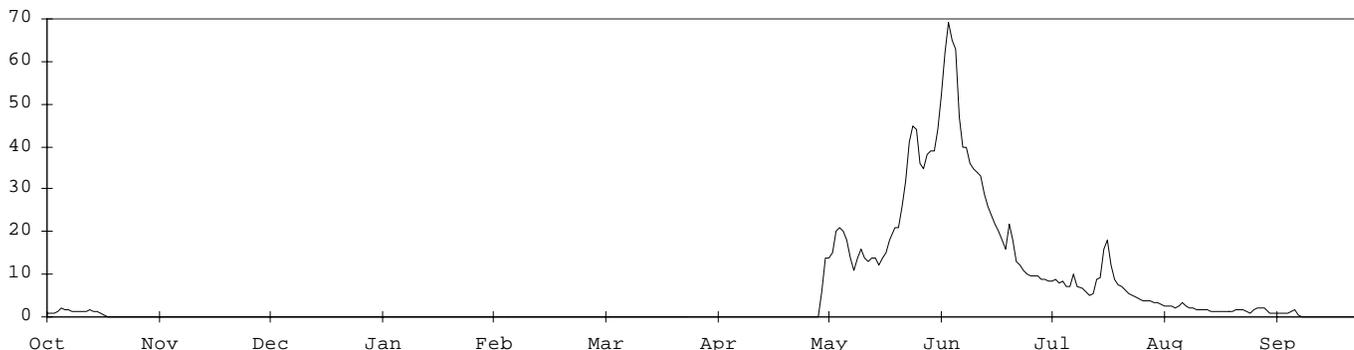
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-----|-----|-----|-----|-----|-----|-------|------|-------|------|-------|
| 1 | 0.82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 9.5 | 3.9 | 1.6 |
| 2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38 | 9.5 | 3.9 | 2.0 |
| 3 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39 | 9.5 | 3.7 | 2.0 |
| 4 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 39 | 9.0 | 3.3 | 2.0 |
| 5 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 44 | 8.7 | 3.2 | 1.0 |
| 6 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 52 | 8.2 | 3.0 | 0.82 |
| 7 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 62 | 8.5 | 2.6 | 0.82 |
| 8 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 69 | 8.7 | 2.5 | 0.82 |
| 9 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 65 | 7.9 | 2.5 | 0.71 |
| 10 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 63 | 8.5 | 2.3 | 0.71 |
| 11 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 47 | 7.0 | 2.5 | 1.3 |
| 12 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 40 | 7.2 | 3.2 | 1.8 |
| 13 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 40 | 10 | 2.5 | 0.49 |
| 14 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 36 | 7.2 | 2.1 | 0.0 |
| 15 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 35 | 6.5 | 2.0 | 0.0 |
| 16 | 0.75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 34 | 5.8 | 1.8 | 0.0 |
| 17 | 0.40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 33 | 5.1 | 1.6 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 29 | 5.4 | 1.7 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 26 | 9.0 | 1.6 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 24 | 9.2 | 1.4 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 22 | 16 | 1.2 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 20 | 18 | 1.2 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 18 | 12 | 1.3 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 16 | 9.0 | 1.2 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 22 | 7.4 | 1.2 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 18 | 7.0 | 1.2 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 13 | 6.2 | 1.6 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41 | 12 | 5.4 | 1.8 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 45 | 11 | 5.1 | 1.6 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 44 | 10 | 4.7 | 1.3 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 36 | --- | 4.3 | 1.0 | --- |
| TOTAL | 20.97 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 562.8 | 1012 | 255.5 | 65.9 | 16.07 |
| MEAN | 0.68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.2 | 33.7 | 8.24 | 2.13 | 0.54 |
| AC-FT | 42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1120 | 2010 | 507 | 131 | 32 |
| MAX | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45 | 69 | 18 | 3.9 | 2.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 4.3 | 1.0 | 0.0 |

CAL YR 1984 TOTAL 2909.15 MEAN 7.95 MAX 77 MIN 0.00 AC-FT 5770
WTR YR 1985 TOTAL 1933.24 MEAN 5.30 MAX 69 MIN 0.00 AC-FT 3830

MAX DISCH 95 CFS AT 2130 08-JUN-1985 GH 2.35 FT. SHIFT +0.02 FT. MAX GH 2.35 FT. AT 2130 08-JUN-1985



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1986)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

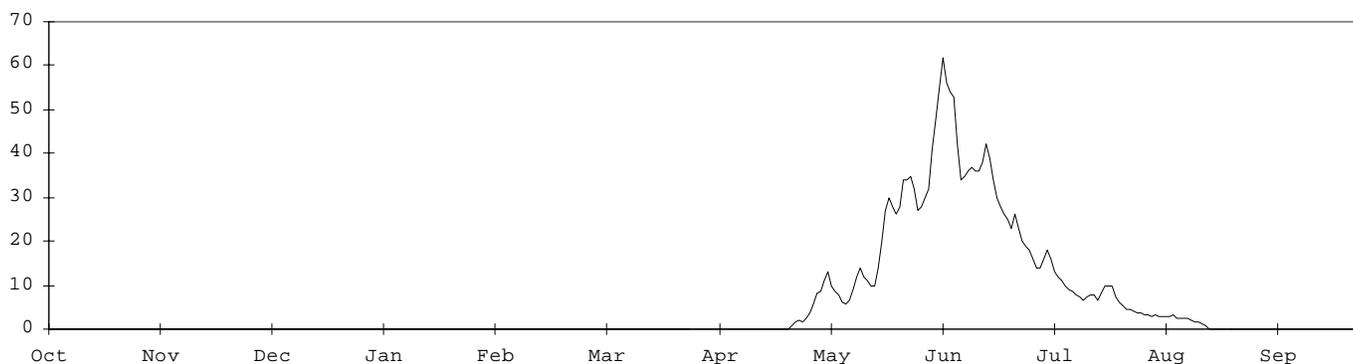
RATING TABLE.--WURDITC001 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-------|-------|------|-------|-------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 30 | 16 | 3.3 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 32 | 14 | 3.2 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 41 | 14 | 3.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 48 | 16 | 3.2 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 55 | 18 | 3.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 62 | 16 | 2.8 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 56 | 13 | 2.8 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 54 | 12 | 3.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 53 | 11 | 3.3 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 42 | 10 | 2.5 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 34 | 9.0 | 2.5 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 | 35 | 8.5 | 2.5 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 36 | 7.7 | 2.3 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 37 | 7.2 | 2.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 36 | 6.5 | 1.8 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 36 | 7.4 | 1.7 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 38 | 7.9 | 1.4 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 | 42 | 7.7 | 0.71 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 39 | 6.7 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 34 | 8.2 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 30 | 10 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 | 28 | 10 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 26 | 9.8 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 25 | 7.2 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.68 | 28 | 23 | 6.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 34 | 26 | 5.4 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 34 | 23 | 4.5 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 35 | 20 | 4.3 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 2.5 | 32 | 19 | 3.9 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 3.7 | 27 | 18 | 3.7 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 28 | --- | 3.7 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.48 | 532.2 | 1078 | 285.3 | 45.01 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 17.2 | 35.9 | 9.20 | 1.45 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25 | 1060 | 2140 | 566 | 89 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 35 | 62 | 18 | 3.3 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 18 | 3.7 | 0.0 | 0.0 |

CAL YR 1985 TOTAL 1912.27 MEAN 5.24 MAX 69 MIN 0.00 AC-FT 3790
WTR YR 1986 TOTAL 1952.99 MEAN 5.35 MAX 62 MIN 0.00 AC-FT 3870

MAX DISCH 81 CFS AT 1930 06-JUN-1986 GH 2.12 FT. SHIFT +.03 FT. MAX GH 2.12 FT. AT 1930 06-JUN-1986



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1987)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

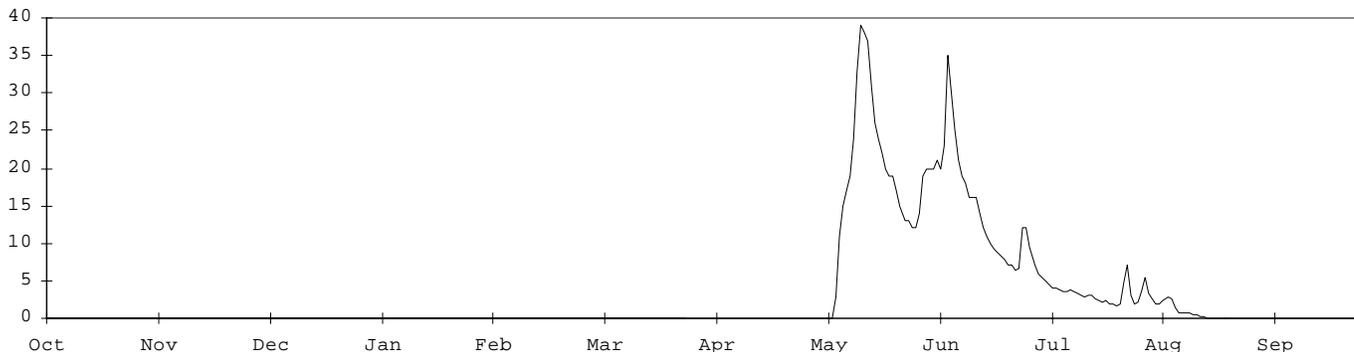
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 9.5 | 3.5 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 7.0 | 5.4 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 5.8 | 3.3 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 5.4 | 2.5 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 4.9 | 1.8 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 4.5 | 1.8 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 4.1 | 2.3 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 35 | 4.1 | 2.8 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 30 | 3.7 | 2.6 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 25 | 3.5 | 1.4 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 21 | 3.5 | 0.82 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 19 | 3.7 | 0.71 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 18 | 3.5 | 0.61 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 16 | 3.2 | 0.69 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39 | 16 | 3.0 | 0.52 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38 | 16 | 2.8 | 0.43 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37 | 14 | 3.0 | 0.35 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31 | 12 | 3.0 | 0.16 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 11 | 2.5 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 10 | 2.3 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 9.2 | 2.1 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 8.7 | 2.3 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 8.2 | 2.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 7.7 | 1.8 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 7.2 | 1.6 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 7.0 | 1.8 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 6.5 | 4.7 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 6.7 | 7.2 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 12 | 12 | 3.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 12 | 12 | 2.0 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 14 | --- | 2.1 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 492.8 | 471.2 | 113.6 | 31.69 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.9 | 15.7 | 3.66 | 1.02 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 977 | 935 | 225 | 63 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39 | 35 | 9.5 | 5.4 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 1.6 | 0.0 | 0.0 |

CAL YR 1986 TOTAL 1952.99 MEAN 5.35 MAX 62 MIN 0.00 AC-FT 3870
WTR YR 1987 TOTAL 1109.29 MEAN 3.04 MAX 39 MIN 0.00 AC-FT 2200

MAX DISCH 49 CFS AT 2400 07-JUN-1987 GH 1.52 FT. SHIFT +.04 FT. MAX GH 1.52 FT. AT 2400 07-JUN-1987



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1988)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

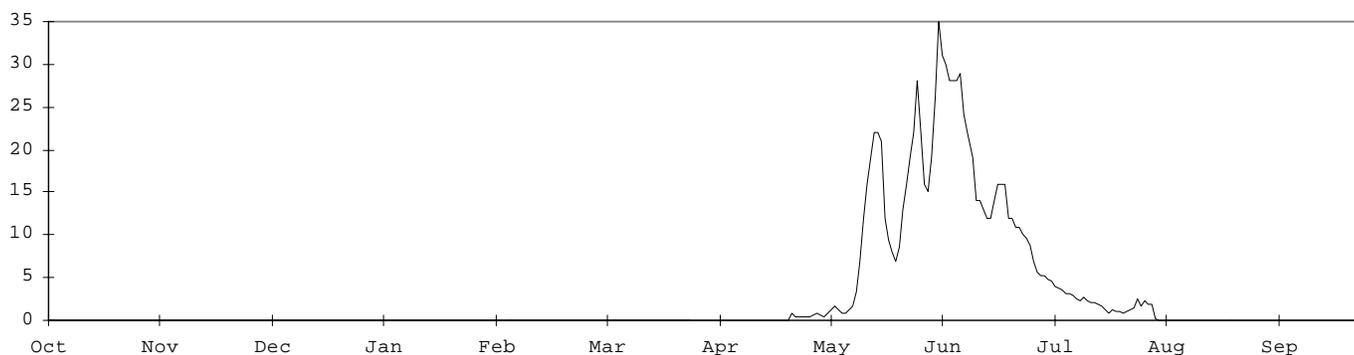
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|------|--------|-------|-------|------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 15 | 5.6 | 1.9 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 19 | 5.3 | 1.9 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 26 | 5.2 | 0.20 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 35 | 4.8 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 31 | 4.6 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 30 | 4.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 28 | 3.7 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 28 | 3.5 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 28 | 3.2 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 29 | 3.1 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 24 | 3.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 22 | 2.5 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 19 | 2.4 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 14 | 2.8 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 14 | 2.3 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 13 | 2.1 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 12 | 2.1 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 12 | 1.8 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 14 | 1.6 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 16 | 1.2 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 16 | 0.75 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 16 | 1.2 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 12 | 1.1 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.85 | 8.5 | 12 | 1.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 13 | 11 | 0.90 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 16 | 11 | 1.1 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.35 | 19 | 10 | 1.3 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.35 | 22 | 9.6 | 1.4 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.35 | 28 | 8.9 | 2.5 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.71 | 22 | 6.9 | 1.6 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 16 | --- | 2.4 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.56 | 315.23 | 542.4 | 80.05 | 4.00 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.12 | 10.2 | 18.1 | 2.58 | 0.13 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 625 | 1080 | 159 | 7.9 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.85 | 28 | 35 | 5.6 | 1.9 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 6.9 | 0.75 | 0.0 | 0.0 |

CAL YR 1987 TOTAL 1109.29 MEAN 3.04 MAX 39 MIN 0.00 AC-FT 2200
WTR YR 1988 TOTAL 945.24 MEAN 2.58 MAX 35 MIN 0.00 AC-FT 1870

MAX DISCH 46 CFS AT 2100 04-JUN-1988 GH 1.47 FT. SHIFT 0.04 FT. MAX GH 1.47 FT. AT 2100 04-JUN-1988



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1989)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

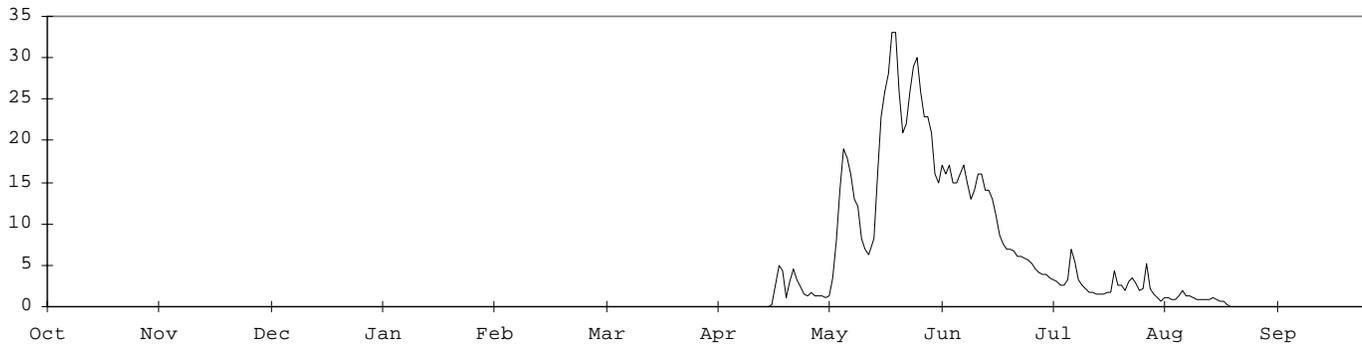
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-------|-------|-------|------|-------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 23 | 5.1 | 2.1 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 23 | 4.5 | 5.1 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 21 | 4.1 | 2.2 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 16 | 3.9 | 1.6 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 15 | 3.8 | 1.1 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 17 | 3.5 | 0.62 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 16 | 3.3 | 1.1 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 17 | 3.0 | 0.98 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 15 | 2.7 | 0.90 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 15 | 2.7 | 0.95 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 16 | 3.3 | 1.2 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 17 | 7.0 | 2.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 15 | 5.4 | 1.4 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 13 | 3.3 | 1.2 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 14 | 2.5 | 1.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 16 | 2.1 | 0.85 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 16 | 1.7 | 0.89 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 14 | 1.7 | 0.97 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 14 | 1.6 | 0.88 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.15 | 23 | 13 | 1.6 | 1.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 26 | 11 | 1.6 | 0.76 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 28 | 8.7 | 1.7 | 0.63 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 33 | 7.6 | 1.8 | 0.60 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 33 | 7.0 | 4.3 | 0.25 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 26 | 6.9 | 2.6 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 21 | 6.7 | 2.5 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 22 | 6.1 | 2.0 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 26 | 6.1 | 3.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 1.6 | 29 | 5.9 | 3.5 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 1.3 | 30 | 5.6 | 2.8 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 26 | --- | 2.0 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.95 | 479.9 | 397.6 | 94.6 | 30.29 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.96 | 15.5 | 13.3 | 3.05 | 0.98 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57 | 952 | 789 | 188 | 60 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 33 | 23 | 7.0 | 5.1 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 5.6 | 1.6 | 0.0 | 0.0 |

CAL YR 1988 TOTAL 945.24 MEAN 2.58 MAX 35 MIN 0.00 AC-FT 1870
WTR YR 1989 TOTAL 1031.34 MEAN 2.83 MAX 33 MIN 0.00 AC-FT 2050

MAX DISCH 43 CFS AT 2200 29-MAY-1989 GH 1.41 FT. SHIFT 0.04 FT. MAX GH 1.41 FT. AT 2200 29-MAY-1989



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO (1990)

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

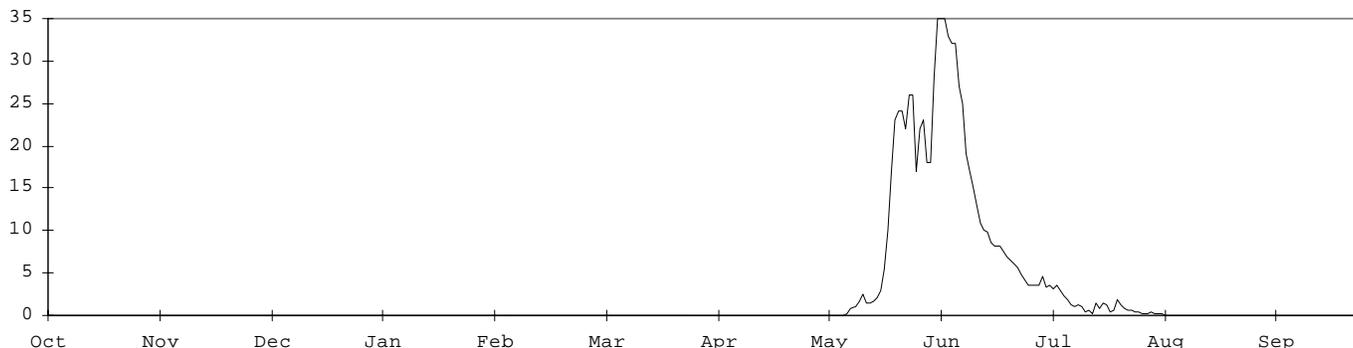
RATING TABLE.--WURDITCO01 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|--------|-------|-------|------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 3.5 | 0.31 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 3.5 | 0.29 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 3.6 | 0.35 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28 | 4.6 | 0.17 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 3.3 | 0.26 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 3.6 | 0.14 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35 | 3.1 | 0.08 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33 | 3.5 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 2.9 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 2.3 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.14 | 27 | 1.8 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.88 | 25 | 1.3 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.96 | 19 | 1.1 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 17 | 1.3 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 15 | 1.1 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 13 | 0.46 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 11 | 0.63 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 10 | 0.22 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 9.8 | 1.4 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 8.5 | 0.80 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 8.2 | 1.5 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 8.1 | 1.2 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 7.6 | 0.49 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 7.0 | 0.65 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 6.5 | 1.8 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 6.1 | 1.2 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 5.6 | 0.93 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 4.8 | 0.71 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 26 | 4.1 | 0.71 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 17 | 3.6 | 0.52 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 22 | --- | 0.40 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 232.09 | 505.9 | 54.14 | 1.59 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.49 | 16.9 | 1.75 | 0.05 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 460 | 1000 | 107 | 3.2 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26 | 35 | 4.6 | 0.35 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 0.22 | 0.0 | 0.0 |

CAL YR 1989 TOTAL 1031.34 MEAN 2.83 MAX 33 MIN 0.00 AC-FT 2050
WTR YR 1990 TOTAL 793.71 MEAN 2.17 MAX 35 MIN 0.00 AC-FT 1570

MAX DISCH 49 CFS AT 2100 05-JUN-1990 GH 1.52 FT. SHIFT 0.05 FT. MAX GH 1.52 FT. AT 2100 05-JUN-1990



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1980)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

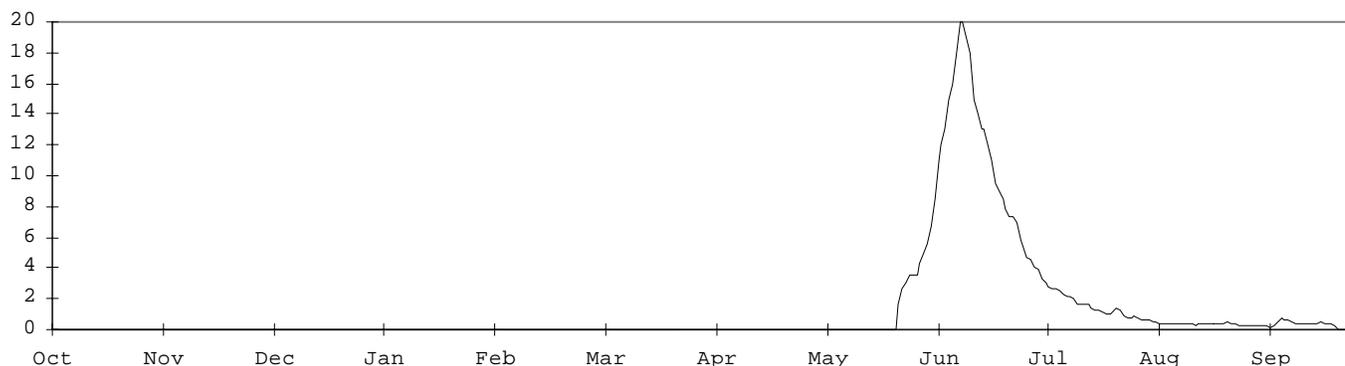
RATING TABLE.--WUREXD001 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 4.5 | 0.61 | 0.20 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 4.1 | 0.61 | 0.20 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 3.9 | 0.61 | 0.20 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 3.3 | 0.52 | 0.20 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 3.0 | 0.52 | 0.20 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.8 | 0.43 | 0.14 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 2.6 | 0.43 | 0.27 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 2.6 | 0.43 | 0.52 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 2.5 | 0.43 | 0.82 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 2.3 | 0.35 | 0.61 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 2.1 | 0.35 | 0.61 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 2.1 | 0.35 | 0.52 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 2.0 | 0.35 | 0.43 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 1.7 | 0.43 | 0.35 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 1.6 | 0.43 | 0.35 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 1.6 | 0.27 | 0.35 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 1.6 | 0.43 | 0.35 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 1.4 | 0.43 | 0.35 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 1.3 | 0.35 | 0.35 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 1.3 | 0.35 | 0.52 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 1.2 | 0.35 | 0.43 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 1.0 | 0.35 | 0.35 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 1.0 | 0.35 | 0.35 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 1.2 | 0.43 | 0.26 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 7.4 | 1.4 | 0.52 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 7.4 | 1.3 | 0.43 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 7.0 | 0.93 | 0.35 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 5.8 | 0.82 | 0.27 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 5.1 | 0.82 | 0.27 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 3.5 | 4.7 | 0.93 | 0.27 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 4.3 | --- | 0.71 | 0.27 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.1 | 338.0 | 59.61 | 12.54 | 8.93 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 11.3 | 1.92 | 0.40 | 0.30 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44 | 670 | 118 | 25 | 18 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 20 | 4.5 | 0.61 | 0.82 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 0.71 | 0.27 | 0.0 |

CAL YR 1979 TOTAL 595.10 MEAN 1.63 MAX 22 MIN 0.00 AC-FT 1180
WTR YR 1980 TOTAL 441.18 MEAN 1.21 MAX 20 MIN 0.00 AC-FT 875

MAX DISCH 26 CFS AT 1930 11-JUN-1980 GH 1.05 FT. SHIFT 0.00 FT. MAX GH 1.05 FT. AT 1930 11-JUN-1980



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1981)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

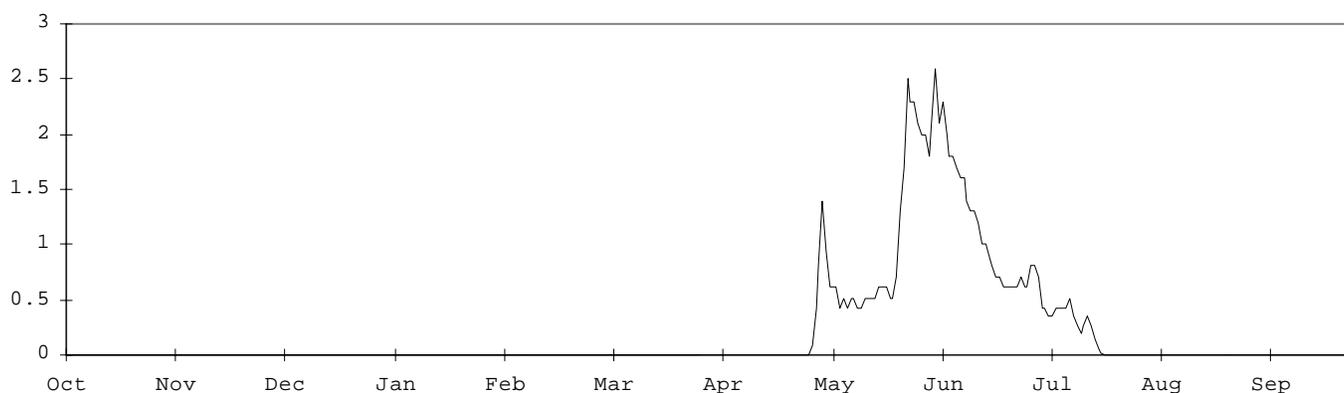
RATING TABLE.--WUREXDC001 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|------|-------|-------|------|-----|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 2.0 | 0.82 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 1.8 | 0.82 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 2.1 | 0.71 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 2.6 | 0.43 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 2.1 | 0.43 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 2.3 | 0.35 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 2.0 | 0.35 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 1.8 | 0.43 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 1.8 | 0.43 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 1.7 | 0.43 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 1.6 | 0.43 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 1.6 | 0.52 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 1.4 | 0.35 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 1.3 | 0.27 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 1.3 | 0.20 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 1.2 | 0.27 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 1.0 | 0.35 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 1.0 | 0.27 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.93 | 0.14 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.82 | 0.05 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.71 | 0.02 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 0.71 | 0.0 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 0.61 | 0.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 0.61 | 0.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.61 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.61 | 0.0 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.61 | 0.0 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.71 | 0.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 2.3 | 0.61 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.08 | 2.1 | 0.61 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 2.0 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.08 | 28.55 | 38.75 | 8.07 | 0.0 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.92 | 1.29 | 0.26 | 0.0 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.16 | 57 | 77 | 16 | 0.0 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.08 | 2.5 | 2.6 | 0.82 | 0.0 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.43 | 0.61 | 0.0 | 0.0 | 0.0 |

CAL YR 1980 TOTAL 441.18 MEAN 1.21 MAX 20 MIN 0.00 AC-FT 875
WTR YR 1981 TOTAL 75.45 MEAN 0.21 MAX 2.6 MIN 0.00 AC-FT 150

MAX DISCH 3.5 CFS AT 2100 27-MAY-1981 GH 0.30 FT. SHIFT 0.00 FT. MAX GH 0.30 FT. AT 2100 27-MAY-1981



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1982)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

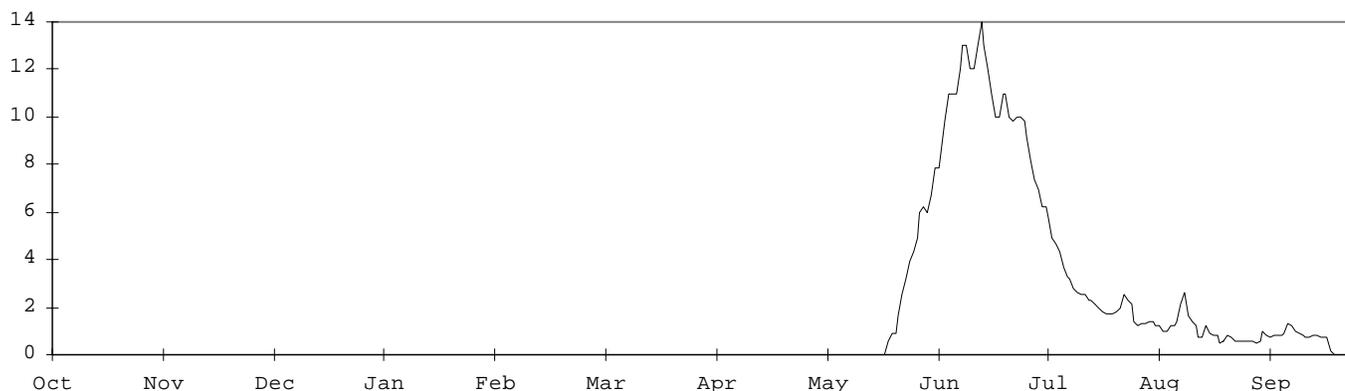
RATING TABLE.--WUREXD001 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 9.2 | 1.2 | 0.61 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 8.2 | 1.3 | 0.61 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 7.4 | 1.3 | 0.52 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 7.0 | 1.4 | 0.61 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 6.2 | 1.4 | 1.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 6.2 | 1.2 | 0.82 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 5.8 | 1.2 | 0.71 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 | 4.9 | 1.0 | 0.82 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 4.7 | 1.0 | 0.82 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 4.3 | 1.2 | 0.82 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 3.7 | 1.2 | 0.93 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 3.3 | 1.4 | 1.3 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 3.2 | 2.1 | 1.2 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 2.8 | 2.6 | 1.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.6 | 1.6 | 0.93 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.5 | 1.4 | 0.82 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 2.5 | 1.2 | 0.71 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 2.3 | 0.71 | 0.71 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 2.3 | 0.71 | 0.82 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.1 | 1.2 | 0.82 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 2.0 | 0.93 | 0.71 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 1.8 | 0.82 | 0.71 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.58 | 10 | 1.7 | 0.82 | 0.71 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 11 | 1.7 | 0.52 | 0.18 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 11 | 1.7 | 0.61 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 10 | 1.8 | 0.82 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 9.8 | 2.0 | 0.71 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 10 | 2.5 | 0.61 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 3.9 | 10 | 2.3 | 0.61 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 4.3 | 9.8 | 2.1 | 0.61 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 4.9 | --- | 1.4 | 0.61 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.84 | 308.6 | 112.2 | 33.99 | 18.89 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.74 | 10.3 | 3.62 | 1.10 | 0.63 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45 | 612 | 223 | 67 | 37 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 14 | 9.2 | 2.6 | 1.3 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 1.4 | 0.52 | 0.0 |

CAL YR 1981 TOTAL 75.45 MEAN 0.21 MAX 2.6 MIN 0.00 AC-FT 150
WTR YR 1982 TOTAL 496.52 MEAN 1.36 MAX 14 MIN 0.00 AC-FT 985

MAX DISCH 15 CFS AT 2100 12-JUN-1982 GH 0.75 FT. SHIFT 0.00 FT. MAX GH 0.75 FT. AT 2100 12-JUN-1982



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1983)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

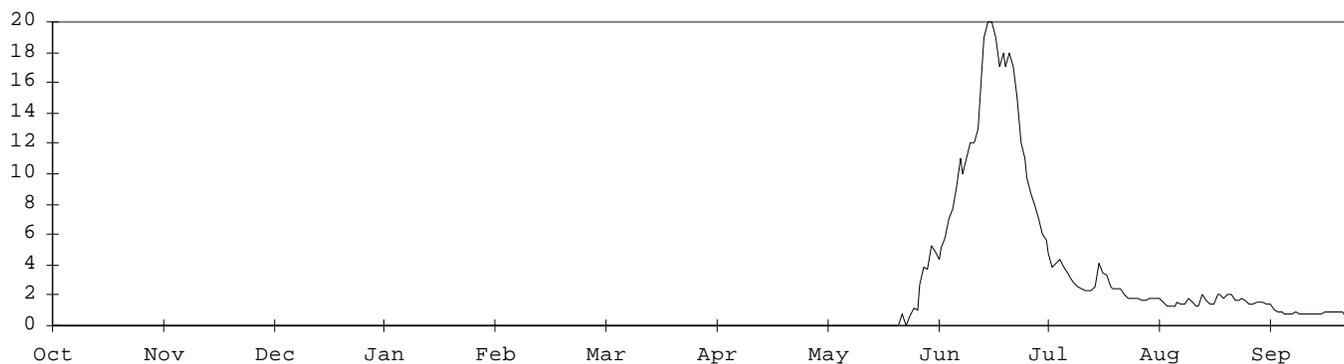
RATING TABLE.--WUREXD001 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 9.8 | 1.8 | 1.4 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 8.7 | 1.7 | 1.4 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 7.9 | 1.7 | 1.6 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 7.0 | 1.8 | 1.6 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 6.0 | 1.8 | 1.6 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 5.6 | 1.8 | 1.4 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 4.7 | 1.8 | 1.4 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 3.9 | 1.6 | 1.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 4.1 | 1.3 | 0.93 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 4.3 | 1.3 | 0.93 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 | 3.9 | 1.3 | 0.82 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 3.5 | 1.6 | 0.82 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 3.2 | 1.4 | 0.82 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 2.8 | 1.4 | 0.93 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.6 | 1.8 | 0.82 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.5 | 1.6 | 0.71 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 2.3 | 1.3 | 0.71 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 2.3 | 1.3 | 0.71 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 2.3 | 2.1 | 0.82 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 2.6 | 1.7 | 0.82 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 4.1 | 1.4 | 0.82 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 3.5 | 1.4 | 0.93 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 3.3 | 2.0 | 0.93 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 2.6 | 2.1 | 0.93 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 2.5 | 1.8 | 0.93 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 2.5 | 2.1 | 0.93 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.75 | 17 | 2.5 | 2.0 | 0.93 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 2.1 | 1.7 | 0.46 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.60 | 12 | 1.8 | 1.7 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 1.2 | 11 | 1.8 | 1.8 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 1.0 | --- | 1.8 | 1.7 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.55 | 348.5 | 118.5 | 51.8 | 28.10 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.11 | 11.6 | 3.82 | 1.67 | 0.94 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 691 | 235 | 103 | 56 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 20 | 9.8 | 2.1 | 1.6 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 1.8 | 1.3 | 0.0 |

CAL YR 1982 TOTAL 496.52 MEAN 1.36 MAX 14 MIN 0.00 AC-FT 985
WTR YR 1983 TOTAL 550.45 MEAN 1.51 MAX 20 MIN 0.00 AC-FT 1090

MAX DISCH 27 CFS AT 1700 19-JUN-1983 GH 1.08 FT. SHIFT 0.00 FT. MAX GH 1.08 FT. AT 1700 19-JUN-1983



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1984)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

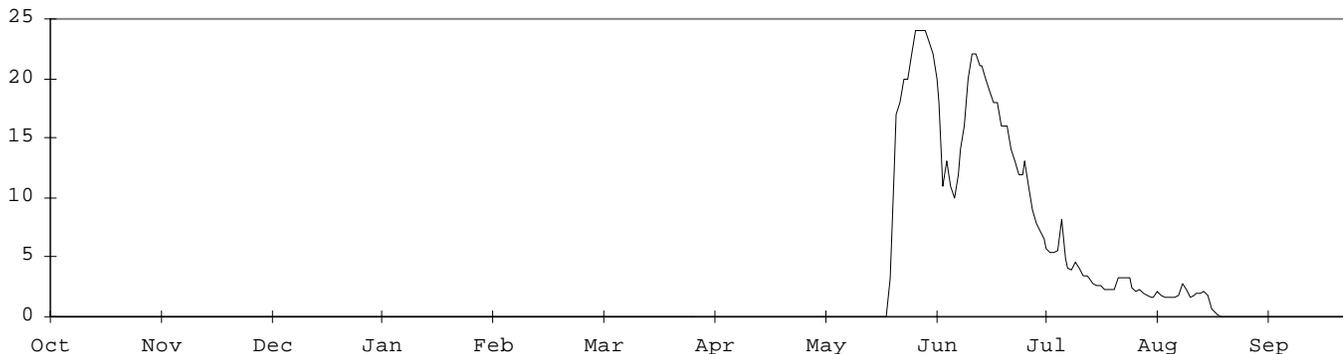
RATING TABLE.--WUREXD001 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|------|-------|-------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 11 | 2.3 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 9.0 | 2.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23 | 7.9 | 1.8 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 7.2 | 1.7 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 6.5 | 1.6 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 5.8 | 2.1 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 5.4 | 1.8 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 5.4 | 1.6 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 5.6 | 1.7 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 8.2 | 1.7 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 4.9 | 1.7 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14 | 4.1 | 1.8 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 3.9 | 2.8 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 4.5 | 2.3 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 4.1 | 1.7 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 3.5 | 1.8 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 3.5 | 1.9 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21 | 3.2 | 2.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 2.8 | 2.1 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19 | 2.6 | 1.8 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 2.6 | 0.71 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 2.3 | 0.35 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 16 | 2.3 | 0.11 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 16 | 2.3 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17 | 16 | 2.3 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 14 | 3.2 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 13 | 3.2 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 | 12 | 3.2 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22 | 12 | 3.2 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 24 | 13 | 2.5 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 24 | --- | 2.1 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 160.2 | 511 | 138.3 | 39.37 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.17 | 17.0 | 4.46 | 1.27 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 318 | 1010 | 274 | 78 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24 | 24 | 11 | 2.8 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 2.1 | 0.0 | 0.0 |

CAL YR 1983 TOTAL 550.45 MEAN 1.51 MAX 20 MIN 0.00 AC-FT 1090
WTR YR 1984 TOTAL 848.87 MEAN 2.32 MAX 24 MIN 0.00 AC-FT 1680

MAX DISCH 44 CFS AT 1230 07-JUN-1984 GH 1.47 FT. SHIFT 0.00 FT. MAX GH 1.47 FT. AT 1230 07-JUN-1984



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1985)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

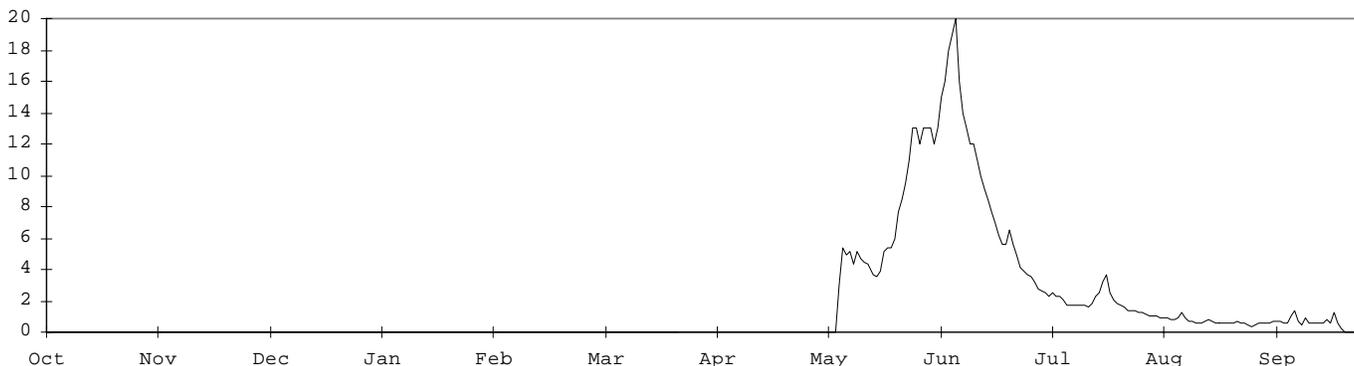
RATING TABLE.--WUREXDC001 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 3.5 | 1.3 | 0.43 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 3.2 | 1.2 | 0.52 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 2.8 | 1.0 | 0.52 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 2.6 | 1.0 | 0.61 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 2.5 | 1.0 | 0.61 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 | 2.3 | 0.93 | 0.71 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 2.5 | 0.93 | 0.71 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18 | 2.3 | 0.93 | 0.71 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 19 | 2.3 | 0.82 | 0.61 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 20 | 2.1 | 0.82 | 0.61 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 16 | 1.7 | 0.93 | 1.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 14 | 1.7 | 1.3 | 1.4 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 13 | 1.7 | 0.93 | 0.71 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 12 | 1.7 | 0.71 | 0.43 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 12 | 1.7 | 0.71 | 0.93 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 11 | 1.7 | 0.61 | 0.61 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 10 | 1.6 | 0.61 | 0.52 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 9.2 | 1.8 | 0.71 | 0.61 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 8.5 | 2.3 | 0.82 | 0.61 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 7.7 | 2.5 | 0.71 | 0.61 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 7.0 | 3.2 | 0.61 | 0.84 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 6.2 | 3.7 | 0.61 | 0.61 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 5.6 | 2.5 | 0.61 | 1.3 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 5.6 | 2.1 | 0.61 | 0.52 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 6.5 | 1.8 | 0.52 | 0.20 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 5.6 | 1.7 | 0.61 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 4.9 | 1.6 | 0.71 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 4.1 | 1.4 | 0.52 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 13 | 3.9 | 1.4 | 0.52 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 13 | 3.7 | 1.4 | 0.43 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 12 | --- | 1.3 | 0.35 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 149.0 | 318.5 | 66.6 | 24.07 | 16.94 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.81 | 10.6 | 2.15 | 0.78 | 0.56 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 296 | 632 | 132 | 48 | 34 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13 | 20 | 3.7 | 1.3 | 1.4 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 1.3 | 0.35 | 0.0 |

CAL YR 1984 TOTAL 848.87 MEAN 2.32 MAX 24 MIN 0.00 AC-FT 1680
WTR YR 1985 TOTAL 575.11 MEAN 1.58 MAX 20 MIN 0.00 AC-FT 1140

MAX DISCH 24 CFS AT 1830 08-JUN-1985 GH 1.01 FT. SHIFT 0.00 FT. MAX GH 1.01 FT. AT 1830 08-JUN-1985



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1986)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

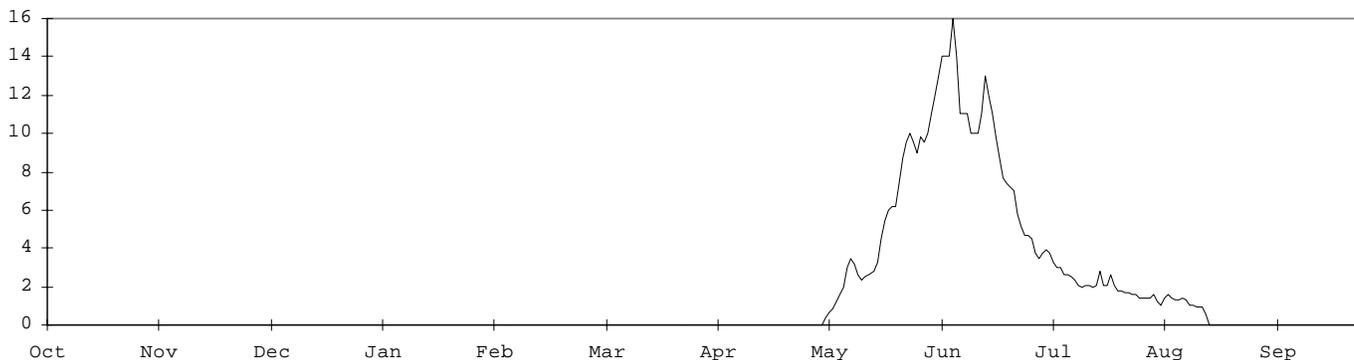
RATING TABLE.--WUREXD001 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|--------|-------|------|-------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 4.5 | 1.4 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 3.7 | 1.4 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11 | 3.5 | 1.4 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12 | 3.7 | 1.6 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.41 | 13 | 3.9 | 1.2 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 14 | 3.7 | 1.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 14 | 3.3 | 1.4 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 14 | 3.0 | 1.6 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 16 | 3.0 | 1.4 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 14 | 2.6 | 1.3 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 11 | 2.6 | 1.3 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 11 | 2.5 | 1.4 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 11 | 2.3 | 1.3 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 10 | 2.1 | 1.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 10 | 2.0 | 1.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 10 | 2.1 | 0.93 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 11 | 2.1 | 0.93 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 13 | 2.0 | 0.52 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 12 | 2.1 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 11 | 2.8 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 9.8 | 2.1 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 8.7 | 2.1 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 7.7 | 2.6 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 7.4 | 2.1 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 7.2 | 1.8 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 7.0 | 1.8 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 5.8 | 1.7 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 5.1 | 1.7 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 9.5 | 4.7 | 1.6 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 9.0 | 4.7 | 1.6 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 9.8 | --- | 1.4 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 124.64 | 305.6 | 78.0 | 22.08 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.02 | 10.2 | 2.52 | 0.71 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 247 | 606 | 155 | 44 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10 | 16 | 4.5 | 1.6 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 1.4 | 0.0 | 0.0 |

CAL YR 1985 TOTAL 575.11 MEAN 1.58 MAX 20 MIN 0.00 AC-FT 1140
WTR YR 1986 TOTAL 530.32 MEAN 1.45 MAX 16 MIN 0.00 AC-FT 1050

MAX DISCH 18 CFS AT 1830 06-JUN-1986 GH 0.83 FT. SHIFT 0.00 FT. MAX GH 0.83 FT. AT 1830 06-JUN-1986



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1987)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

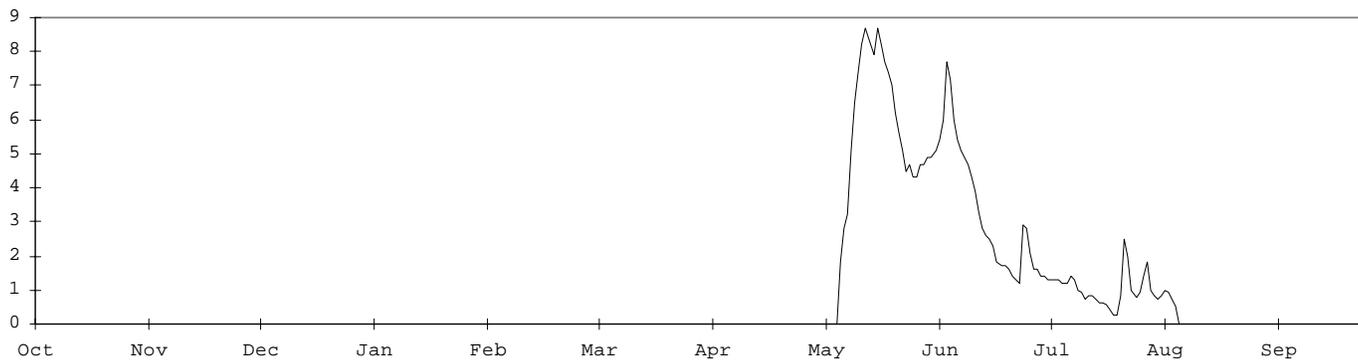
RATING TABLE.--WUREXDC001 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 2.1 | 1.4 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 1.6 | 1.8 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 1.6 | 1.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 1.4 | 0.82 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 1.4 | 0.71 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 1.3 | 0.82 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 1.3 | 1.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 1.3 | 0.93 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 1.3 | 0.71 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 6.0 | 1.2 | 0.53 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 5.4 | 1.2 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 5.1 | 1.4 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 4.9 | 1.3 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 4.7 | 1.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 4.3 | 0.93 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 3.9 | 0.71 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 3.3 | 0.82 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 2.8 | 0.82 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 2.6 | 0.71 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 2.5 | 0.61 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 2.3 | 0.61 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 1.8 | 0.57 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 1.7 | 0.42 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 1.7 | 0.27 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 1.6 | 0.27 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 1.4 | 0.82 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 1.3 | 2.5 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 1.2 | 2.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 4.7 | 2.9 | 1.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 4.3 | 2.8 | 0.76 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 4.3 | --- | 0.93 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 133.5 | 114.8 | 34.15 | 9.72 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.31 | 3.83 | 1.10 | 0.31 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 265 | 228 | 68 | 19 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 7.7 | 2.5 | 1.8 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.27 | 0.0 | 0.0 |

CAL YR 1986 TOTAL 530.32 MEAN 1.45 MAX 16 MIN 0.00 AC-FT 1050
WTR YR 1987 TOTAL 292.17 MEAN 0.80 MAX 8.7 MIN 0.00 AC-FT 580

MAX DISCH 11 CFS AT 2200 17-MAY-1987 GH 0.62 FT. SHIFT 0.00 FT. MAX GH 0.62 FT. AT 2200 17-MAY-1987



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1988)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

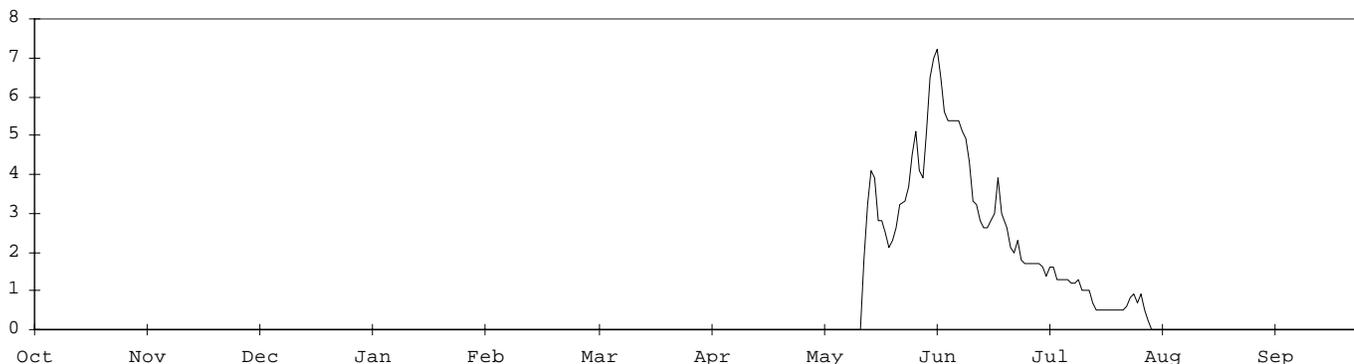
RATING TABLE.--WUREXD001 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 1.7 | 0.52 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 1.7 | 0.21 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 1.7 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 1.6 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 1.4 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 1.6 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 1.6 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 1.3 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 1.3 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 1.3 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 1.3 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 1.2 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 1.2 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 1.3 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 1.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 3.2 | 1.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 2.8 | 1.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 2.6 | 0.71 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 2.6 | 0.52 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 2.8 | 0.52 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 3.0 | 0.52 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 3.9 | 0.52 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 3.0 | 0.52 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 2.6 | 0.52 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 2.1 | 0.52 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 2.0 | 0.52 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 2.3 | 0.61 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 1.8 | 0.82 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 1.7 | 0.93 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 5.1 | 1.7 | 0.71 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 4.1 | --- | 0.93 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.0 | 119.1 | 32.07 | 0.73 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.68 | 3.97 | 1.03 | 0.02 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 103 | 236 | 64 | 1.4 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 7.2 | 1.7 | 0.52 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.52 | 0.0 | 0.0 |

CAL YR 1987 TOTAL 292.17 MEAN 0.80 MAX 8.7 MIN 0.00 AC-FT 580
WTR YR 1988 TOTAL 203.90 MEAN 0.56 MAX 7.2 MIN 0.00 AC-FT 404

MAX DISCH 7.2 CFS AT 2100 03-JUN-1988 GH 0.48 FT. SHIFT -0.01 FT. MAX GH 0.48 FT. AT 2100 03-JUN-1988



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1989)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

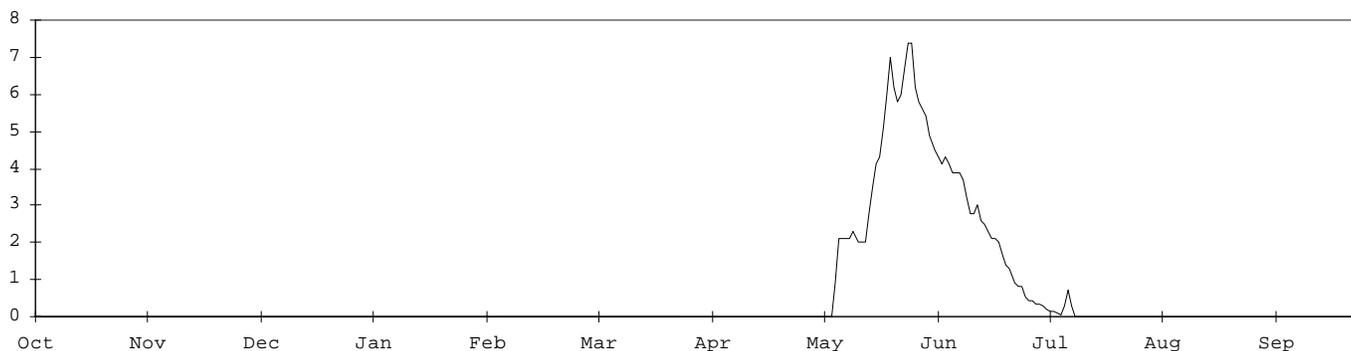
RATING TABLE.--WUREXDC001 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|------|-----|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.43 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 0.43 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.35 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 0.35 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 0.27 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 0.20 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.14 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 0.14 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 4.1 | 0.09 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 3.9 | 0.05 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 3.9 | 0.27 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 3.9 | 0.71 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 3.7 | 0.27 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 3.2 | 0.01 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 3.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 2.6 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 2.5 | 0.0 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 2.3 | 0.0 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 2.1 | 0.0 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 1.7 | 0.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 1.4 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 1.3 | 0.0 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 0.93 | 0.0 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 0.82 | 0.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 7.4 | 0.82 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 7.4 | 0.52 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 6.2 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 96.09 | 91.29 | 3.71 | 0.0 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.10 | 3.04 | 0.12 | 0.0 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 191 | 181 | 7.4 | 0.0 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 5.8 | 0.71 | 0.0 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | |
|-------------------|--------|------|------|-----|-----|-----|------|-------|-----|
| CAL YR 1988 TOTAL | 203.90 | MEAN | 0.56 | MAX | 7.2 | MIN | 0.00 | AC-FT | 404 |
| WTR YR 1989 TOTAL | 191.09 | MEAN | 0.52 | MAX | 7.4 | MIN | 0.00 | AC-FT | 379 |

MAX DISCH 10 CFS AT 2000 29-MAY-1989 GH 0.58 FT. SHIFT 0.00 FT. MAX GH 0.58 FT. AT 2000 29-MAY-1989



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION NEAR LEADVILLE, CO AT TENNESSEE PASS (1990)

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 6' Parshall flume.

REMARKS.--Record good.

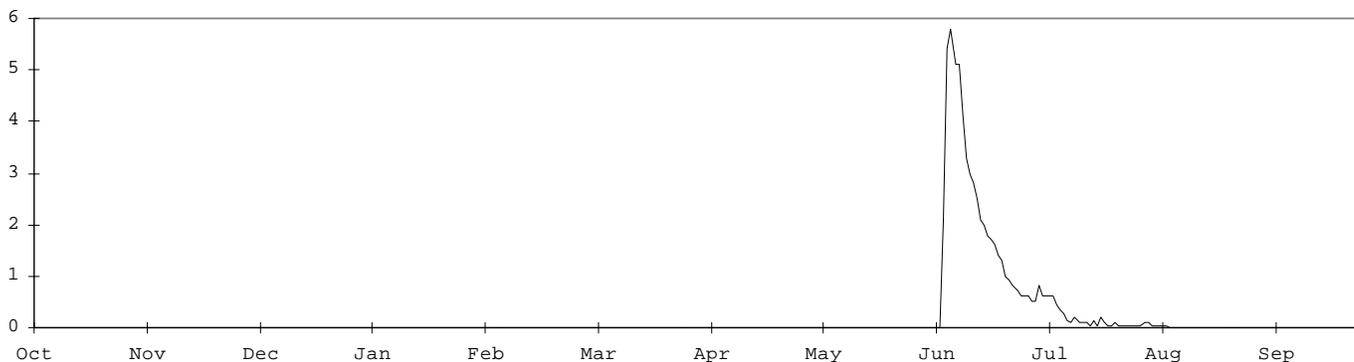
RATING TABLE.--WUREXD001 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.05 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 0.09 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.52 | 0.09 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 0.05 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.05 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.05 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.61 | 0.02 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.61 | 0.02 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 0.43 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.35 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 0.27 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 0.14 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.09 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.20 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.09 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.09 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.09 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.05 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.14 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.05 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.20 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.09 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.05 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.05 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.09 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 0.05 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 0.05 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | 0.05 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.61 | 0.05 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.61 | 0.05 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 0.05 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55.78 | 7.68 | 0.42 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.86 | 0.25 | 0.01 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 111 | 15 | 0.83 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.82 | 0.09 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.05 | 0.0 | 0.0 |

CAL YR 1989 TOTAL 191.09 MEAN 0.52 MAX 7.4 MIN 0.00 AC-FT 379
WTR YR 1990 TOTAL 63.88 MEAN 0.18 MAX 5.8 MIN 0.00 AC-FT 127

MAX DISCH 6.0 CFS AT 0800 10-JUN-1990 GH 0.42 FT. SHIFT 0.00 FT. MAX GH 0.42 FT. AT 0800 10-JUN-1990



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1980)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 12' Parshall flume.

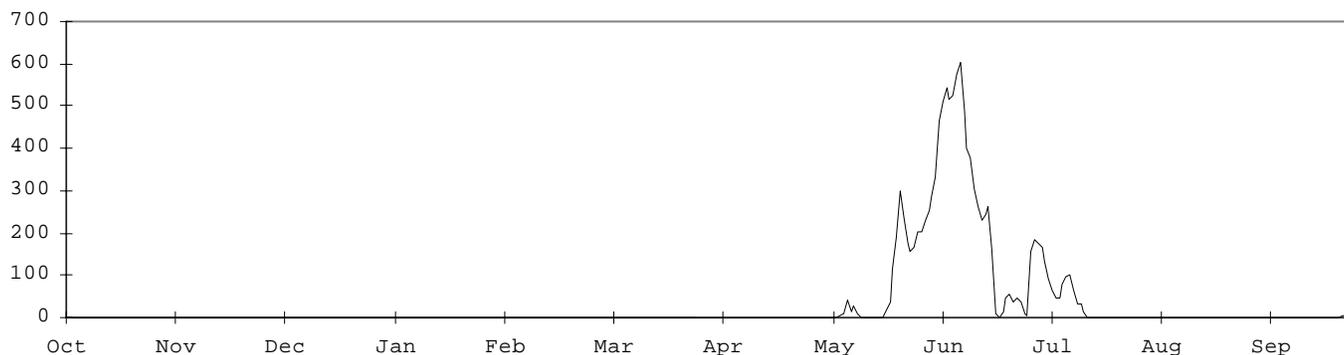
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|------|-------|--------|--------|---------|-------|-------|
| 1 | 0.27 | 0.27 | 0.52 | 0.52 | 0.82 | 1.4 | 1.2 | 1.8 | 254 | 185 | 0.17 | 1.2 |
| 2 | 0.27 | 0.27 | 0.52 | 0.66 | 0.66 | 1.4 | 1.2 | 2.0 | 286 | 175 | 0.17 | 0.99 |
| 3 | 0.27 | 0.17 | 0.52 | 0.66 | 0.66 | 1.4 | 1.2 | 2.0 | 331 | 165 | 0.17 | 0.99 |
| 4 | 0.27 | 0.17 | 0.52 | 0.66 | 0.82 | 1.4 | 1.2 | 2.2 | 466 | 132 | 0.17 | 0.82 |
| 5 | 0.27 | 0.17 | 0.52 | 0.66 | 0.82 | 1.4 | 1.2 | 2.2 | 510 | 92 | 0.17 | 0.82 |
| 6 | 0.27 | 0.27 | 0.52 | 0.66 | 0.82 | 1.4 | 1.2 | 2.2 | 545 | 63 | 0.17 | 0.82 |
| 7 | 0.27 | 0.27 | 0.52 | 0.66 | 0.82 | 1.4 | 1.2 | 2.5 | 515 | 45 | 0.17 | 0.82 |
| 8 | 0.27 | 0.27 | 0.52 | 0.66 | 0.82 | 1.4 | 1.2 | 10 | 523 | 45 | 0.17 | 0.82 |
| 9 | 0.27 | 0.27 | 0.52 | 0.66 | 0.82 | 1.4 | 1.2 | 42 | 575 | 77 | 0.17 | 1.2 |
| 10 | 0.27 | 0.27 | 0.52 | 0.66 | 0.82 | 1.2 | 1.2 | 13 | 602 | 99 | 0.17 | 1.6 |
| 11 | 0.27 | 0.39 | 0.52 | 0.66 | 0.99 | 1.2 | 1.2 | 29 | 487 | 100 | 0.17 | 1.8 |
| 12 | 0.27 | 0.52 | 0.52 | 0.66 | 0.99 | 1.2 | 1.2 | 11 | 399 | 65 | 0.17 | 1.8 |
| 13 | 0.27 | 0.52 | 0.52 | 0.66 | 0.99 | 1.2 | 1.2 | 2.2 | 379 | 34 | 0.52 | 1.6 |
| 14 | 0.17 | 0.52 | 0.52 | 0.82 | 0.99 | 1.2 | 1.2 | 2.0 | 302 | 32 | 1.6 | 1.4 |
| 15 | 0.17 | 0.66 | 0.52 | 0.82 | 0.99 | 1.2 | 1.2 | 2.0 | 263 | 16 | 2.2 | 1.4 |
| 16 | 0.17 | 0.66 | 0.52 | 0.82 | 0.99 | 1.2 | 1.2 | 2.0 | 232 | 0.99 | 2.2 | 1.4 |
| 17 | 0.17 | 0.66 | 0.52 | 0.82 | 0.99 | 1.2 | 0.99 | 2.0 | 244 | 0.99 | 2.2 | 1.2 |
| 18 | 0.17 | 0.66 | 0.52 | 0.82 | 1.2 | 1.2 | 0.99 | 2.0 | 264 | 0.82 | 2.0 | 0.99 |
| 19 | 0.27 | 0.66 | 0.52 | 0.82 | 1.2 | 1.2 | 0.99 | 2.2 | 160 | 0.66 | 2.0 | 0.99 |
| 20 | 0.27 | 0.66 | 0.52 | 0.82 | 1.2 | 1.2 | 0.99 | 18 | 10 | 0.66 | 2.0 | 1.4 |
| 21 | 0.27 | 0.66 | 0.52 | 0.82 | 1.2 | 1.2 | 0.99 | 35 | 1.6 | 0.27 | 1.8 | 1.6 |
| 22 | 0.27 | 0.66 | 0.52 | 0.82 | 1.2 | 1.2 | 1.2 | 117 | 12 | 0.17 | 1.8 | 1.6 |
| 23 | 0.27 | 0.52 | 0.52 | 0.82 | 1.2 | 1.2 | 1.6 | 190 | 47 | 0.17 | 1.8 | 1.6 |
| 24 | 0.27 | 0.52 | 0.52 | 0.82 | 1.2 | 1.2 | 1.6 | 301 | 55 | 0.17 | 1.8 | 1.4 |
| 25 | 0.27 | 0.52 | 0.52 | 0.82 | 1.2 | 1.2 | 1.6 | 235 | 38 | 0.17 | 2.0 | 1.6 |
| 26 | 0.17 | 0.52 | 0.52 | 0.82 | 1.2 | 1.2 | 1.6 | 176 | 48 | 0.17 | 2.0 | 3.6 |
| 27 | 0.17 | 0.52 | 0.52 | 0.82 | 1.4 | 1.2 | 1.6 | 155 | 39 | 0.17 | 1.6 | 3.3 |
| 28 | 0.17 | 0.52 | 0.52 | 0.82 | 1.4 | 1.2 | 1.6 | 165 | 7.5 | 0.17 | 1.4 | 3.3 |
| 29 | 0.17 | 0.52 | 0.52 | 0.82 | 1.4 | 1.2 | 1.6 | 203 | 3.7 | 0.17 | 1.2 | 3.6 |
| 30 | 0.27 | 0.52 | 0.52 | 0.82 | --- | 1.2 | 1.6 | 202 | 158 | 0.17 | 1.2 | 3.6 |
| 31 | 0.27 | --- | 0.52 | 0.82 | --- | 1.2 | --- | 232 | --- | 0.17 | 1.2 | --- |
| TOTAL | 7.47 | 13.79 | 16.12 | 23.20 | 29.81 | 39.0 | 38.15 | 2163.3 | 7756.8 | 1331.09 | 34.56 | 49.26 |
| MEAN | 0.24 | 0.46 | 0.52 | 0.75 | 1.03 | 1.26 | 1.27 | 69.8 | 259 | 42.9 | 1.11 | 1.64 |
| AC-FT | 15 | 27 | 32 | 46 | 59 | 77 | 76 | 4290 | 15390 | 2640 | 69 | 98 |
| MAX | 0.27 | 0.66 | 0.52 | 0.82 | 1.4 | 1.4 | 1.6 | 301 | 602 | 185 | 2.2 | 3.6 |
| MIN | 0.17 | 0.17 | 0.52 | 0.52 | 0.66 | 1.2 | 0.99 | 1.8 | 1.6 | 0.17 | 0.17 | 0.82 |

CAL YR 1979 TOTAL 23304.31 MEAN 63.8 MAX 620 MIN 0.17 AC-FT 46220
WTR YR 1980 TOTAL 11502.55 MEAN 31.4 MAX 602 MIN 0.17 AC-FT 22820

MAX DISCH 606 CFS AT 0400 11-JUN-1980 GH 4.96 FT. SHIFT 0.00 FT. MAX GH 4.96 FT. AT 0400 11-JUN-1980



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1981)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 12' Parshall flume.

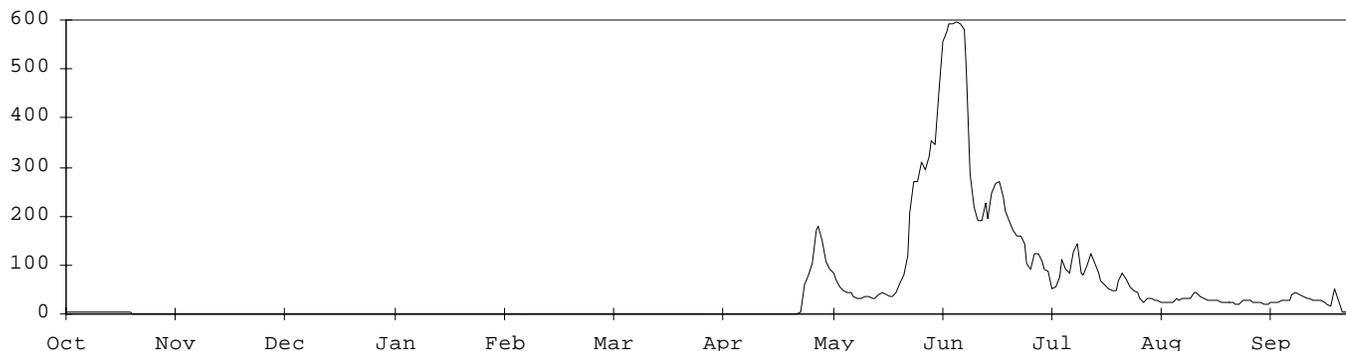
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|------|-------|-------|-------|-------|--------|------|-------|------|------|-------|
| 1 | 3.3 | 0.17 | 0.27 | 0.39 | 0.39 | 0.39 | 0.39 | 171 | 293 | 93 | 32 | 26 |
| 2 | 3.3 | 0.17 | 0.27 | 0.39 | 0.39 | 0.39 | 0.39 | 177 | 323 | 123 | 23 | 24 |
| 3 | 3.0 | 0.17 | 0.27 | 0.52 | 0.39 | 0.39 | 0.52 | 152 | 355 | 124 | 31 | 24 |
| 4 | 3.0 | 0.17 | 0.27 | 0.52 | 0.39 | 0.39 | 0.52 | 109 | 344 | 107 | 32 | 23 |
| 5 | 3.0 | 0.17 | 0.39 | 0.66 | 0.39 | 0.39 | 0.52 | 92 | 456 | 92 | 29 | 21 |
| 6 | 3.0 | 0.27 | 0.39 | 0.52 | 0.39 | 0.39 | 0.52 | 84 | 556 | 88 | 26 | 21 |
| 7 | 2.7 | 0.27 | 0.39 | 0.52 | 0.39 | 0.39 | 0.66 | 71 | 577 | 52 | 24 | 23 |
| 8 | 2.7 | 0.27 | 0.39 | 0.52 | 0.39 | 0.39 | 0.66 | 57 | 592 | 56 | 22 | 24 |
| 9 | 2.5 | 0.27 | 0.39 | 0.39 | 0.39 | 0.39 | 0.66 | 48 | 594 | 75 | 22 | 22 |
| 10 | 2.5 | 0.27 | 0.39 | 0.39 | 0.39 | 0.39 | 0.66 | 43 | 598 | 113 | 23 | 26 |
| 11 | 2.5 | 0.27 | 0.27 | 0.39 | 0.39 | 0.39 | 0.66 | 42 | 594 | 93 | 31 | 27 |
| 12 | 2.5 | 0.39 | 0.27 | 0.39 | 0.39 | 0.39 | 0.66 | 35 | 579 | 83 | 29 | 28 |
| 13 | 2.7 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.66 | 33 | 500 | 129 | 31 | 39 |
| 14 | 2.7 | 0.09 | 0.39 | 0.39 | 0.39 | 0.39 | 0.66 | 33 | 287 | 145 | 30 | 42 |
| 15 | 3.6 | 0.03 | 0.39 | 0.39 | 0.39 | 0.39 | 0.66 | 34 | 220 | 82 | 33 | 40 |
| 16 | 3.8 | 0.03 | 0.39 | 0.39 | 0.39 | 0.39 | 0.66 | 34 | 192 | 79 | 43 | 35 |
| 17 | 3.8 | 0.03 | 0.39 | 0.39 | 0.39 | 0.39 | 0.66 | 33 | 192 | 98 | 43 | 33 |
| 18 | 3.0 | 0.09 | 0.39 | 0.39 | 0.39 | 0.39 | 0.66 | 32 | 225 | 122 | 37 | 30 |
| 19 | 3.1 | 0.09 | 0.39 | 0.39 | 0.39 | 0.39 | 0.66 | 38 | 194 | 104 | 31 | 28 |
| 20 | 1.3 | 0.17 | 0.39 | 0.39 | 0.39 | 0.39 | 0.66 | 42 | 247 | 84 | 28 | 26 |
| 21 | 0.27 | 0.17 | 0.39 | 0.39 | 0.39 | 0.39 | 0.82 | 41 | 267 | 69 | 26 | 26 |
| 22 | 0.27 | 0.17 | 0.39 | 0.39 | 0.39 | 0.39 | 0.82 | 37 | 270 | 61 | 26 | 25 |
| 23 | 0.39 | 0.17 | 0.39 | 0.39 | 0.39 | 0.39 | 0.82 | 37 | 240 | 53 | 26 | 19 |
| 24 | 0.27 | 0.17 | 0.39 | 0.39 | 0.39 | 0.39 | 0.82 | 45 | 212 | 48 | 25 | 17 |
| 25 | 0.39 | 0.27 | 0.39 | 0.39 | 0.39 | 0.39 | 0.82 | 63 | 190 | 48 | 25 | 51 |
| 26 | 0.52 | 0.27 | 0.39 | 0.39 | 0.39 | 0.39 | 0.99 | 80 | 171 | 66 | 23 | 29 |
| 27 | 0.39 | 0.27 | 0.39 | 0.39 | 0.39 | 0.39 | 3.4 | 121 | 158 | 85 | 23 | 5.1 |
| 28 | 0.27 | 0.27 | 0.39 | 0.39 | 0.39 | 0.39 | 61 | 207 | 157 | 70 | 21 | 5.4 |
| 29 | 0.17 | 0.27 | 0.39 | 0.39 | --- | 0.39 | 81 | 271 | 142 | 56 | 20 | 24 |
| 30 | 0.17 | 0.27 | 0.39 | 0.39 | --- | 0.39 | 103 | 270 | 103 | 48 | 26 | 35 |
| 31 | 0.17 | --- | 0.39 | 0.39 | --- | 0.39 | --- | 310 | --- | 44 | 28 | --- |
| TOTAL | 61.28 | 6.08 | 11.37 | 13.01 | 10.92 | 12.09 | 265.59 | 2842 | 9828 | 2590 | 869 | 798.5 |
| MEAN | 1.98 | 0.20 | 0.37 | 0.42 | 0.39 | 0.39 | 8.85 | 91.7 | 328 | 83.5 | 28.0 | 26.6 |
| AC-FT | 122 | 12 | 23 | 26 | 22 | 24 | 527 | 5640 | 19490 | 5140 | 1720 | 1580 |
| MAX | 3.8 | 0.39 | 0.39 | 0.66 | 0.39 | 0.39 | 103 | 310 | 598 | 145 | 43 | 51 |
| MIN | 0.17 | 0.03 | 0.27 | 0.39 | 0.39 | 0.39 | 0.39 | 32 | 103 | 44 | 20 | 5.1 |

CAL YR 1980 TOTAL 11543.90 MEAN 31.5 MAX 602 MIN 0.03 AC-FT 22900
WTR YR 1981 TOTAL 17307.84 MEAN 47.4 MAX 598 MIN 0.03 AC-FT 34330

MAX DISCH 608 CFS AT 0300 10-JUN-1981 GH 4.97 FT. SHIFT 0.00 FT. MAX GH 4.97 FT. AT 0300 10-JUN-1981



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1982)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 12' Parshall flume.

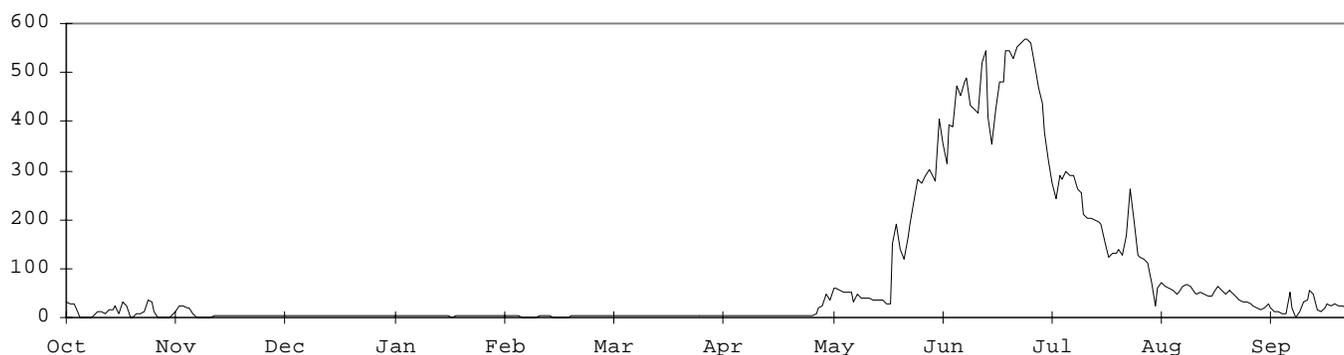
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|-------|------|------|------|------|------|--------|-------|-------|------|-------|
| 1 | 32 | 12 | 3.6 | 2.7 | 2.2 | 2.7 | 2.2 | 7.1 | 289 | 561 | 125 | 26 |
| 2 | 28 | 24 | 3.8 | 2.5 | 2.2 | 3.0 | 2.2 | 18 | 302 | 516 | 118 | 22 |
| 3 | 26 | 22 | 3.6 | 2.7 | 2.0 | 3.0 | 2.2 | 25 | 296 | 467 | 110 | 19 |
| 4 | 18 | 21 | 3.3 | 2.7 | 2.0 | 3.3 | 2.2 | 48 | 277 | 438 | 72 | 16 |
| 5 | 0.52 | 20 | 3.6 | 3.3 | 2.0 | 3.3 | 2.2 | 34 | 407 | 379 | 25 | 19 |
| 6 | 0.66 | 7.4 | 3.6 | 3.0 | 2.0 | 3.3 | 2.2 | 61 | 352 | 320 | 61 | 26 |
| 7 | 0.82 | 1.2 | 3.6 | 2.7 | 1.8 | 3.3 | 2.0 | 59 | 312 | 273 | 70 | 20 |
| 8 | 0.82 | 1.2 | 3.3 | 2.7 | 1.8 | 3.0 | 2.0 | 56 | 392 | 243 | 63 | 13 |
| 9 | 7.6 | 1.4 | 3.3 | 2.5 | 1.8 | 3.0 | 2.0 | 53 | 391 | 289 | 58 | 11 |
| 10 | 12 | 1.4 | 3.0 | 2.2 | 1.8 | 3.0 | 2.0 | 51 | 474 | 281 | 55 | 8.7 |
| 11 | 12 | 1.6 | 3.0 | 2.2 | 1.8 | 3.0 | 2.0 | 51 | 454 | 297 | 48 | 9.3 |
| 12 | 7.0 | 2.5 | 3.0 | 2.2 | 2.0 | 3.3 | 2.2 | 32 | 480 | 290 | 50 | 50 |
| 13 | 15 | 3.8 | 3.0 | 2.2 | 2.0 | 3.0 | 2.2 | 47 | 488 | 292 | 62 | 21 |
| 14 | 17 | 4.4 | 3.0 | 2.2 | 2.0 | 2.7 | 2.5 | 41 | 432 | 263 | 69 | 1.5 |
| 15 | 23 | 4.4 | 3.0 | 2.2 | 2.0 | 2.2 | 2.7 | 40 | 427 | 256 | 62 | 13 |
| 16 | 9.3 | 4.2 | 3.0 | 2.2 | 1.8 | 2.2 | 3.0 | 39 | 419 | 210 | 53 | 32 |
| 17 | 30 | 4.2 | 3.3 | 2.0 | 1.8 | 2.2 | 3.3 | 37 | 522 | 202 | 46 | 36 |
| 18 | 24 | 4.4 | 3.0 | 1.8 | 1.8 | 2.2 | 3.3 | 35 | 543 | 203 | 50 | 55 |
| 19 | 0.82 | 4.4 | 3.0 | 2.0 | 1.8 | 2.2 | 3.6 | 35 | 409 | 198 | 46 | 49 |
| 20 | 0.82 | 4.2 | 2.7 | 2.0 | 1.8 | 2.2 | 3.6 | 35 | 353 | 196 | 44 | 14 |
| 21 | 9.1 | 4.4 | 2.5 | 2.0 | 2.0 | 2.2 | 3.6 | 27 | 426 | 189 | 45 | 10 |
| 22 | 9.4 | 4.2 | 2.7 | 2.2 | 2.0 | 2.2 | 3.6 | 26 | 481 | 153 | 51 | 21 |
| 23 | 13 | 4.2 | 2.5 | 2.2 | 2.2 | 2.2 | 3.6 | 150 | 482 | 122 | 64 | 27 |
| 24 | 34 | 3.8 | 2.2 | 2.2 | 2.2 | 2.2 | 4.0 | 190 | 545 | 130 | 54 | 25 |
| 25 | 31 | 3.6 | 2.2 | 2.0 | 2.2 | 2.2 | 4.0 | 139 | 545 | 132 | 48 | 26 |
| 26 | 12 | 3.6 | 2.2 | 2.0 | 2.5 | 2.2 | 4.2 | 118 | 530 | 141 | 54 | 25 |
| 27 | 0.82 | 3.3 | 2.2 | 2.0 | 2.7 | 2.2 | 4.6 | 164 | 554 | 129 | 46 | 23 |
| 28 | 0.99 | 3.0 | 2.5 | 2.0 | 2.7 | 2.2 | 4.6 | 192 | 562 | 165 | 42 | 20 |
| 29 | 1.2 | 3.0 | 2.5 | 2.0 | --- | 2.2 | 5.1 | 239 | 570 | 261 | 37 | 18 |
| 30 | 1.4 | 3.6 | 2.7 | 2.2 | --- | 2.2 | 5.6 | 284 | 568 | 200 | 33 | 18 |
| 31 | 5.1 | --- | 2.7 | 2.2 | --- | 2.2 | --- | 274 | --- | 126 | 30 | --- |
| TOTAL | 383.37 | 186.4 | 91.6 | 71.0 | 56.9 | 80.3 | 92.5 | 2607.1 | 13282 | 7922 | 1791 | 674.5 |
| MEAN | 12.4 | 6.21 | 2.95 | 2.29 | 2.03 | 2.59 | 3.08 | 84.1 | 443 | 256 | 57.8 | 22.5 |
| AC-FT | 760 | 370 | 182 | 141 | 113 | 159 | 183 | 5170 | 26340 | 15710 | 3550 | 1340 |
| MAX | 34 | 24 | 3.8 | 3.3 | 2.7 | 3.3 | 5.6 | 284 | 570 | 561 | 125 | 55 |
| MIN | 0.52 | 1.2 | 2.2 | 1.8 | 1.8 | 2.2 | 2.0 | 7.1 | 277 | 122 | 25 | 1.5 |

CAL YR 1981 TOTAL 17890.48 MEAN 49.0 MAX 598 MIN 0.39 AC-FT 35490
WTR YR 1982 TOTAL 27238.67 MEAN 74.6 MAX 570 MIN 0.52 AC-FT 54030

MAX DISCH 571 CFS AT 0300 30-JUN-1982 GH 4.78 FT. SHIFT 0.00 FT. MAX GH 4.78 FT. AT 0300 30-JUN-1982



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1983)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 12' Parshall flume.

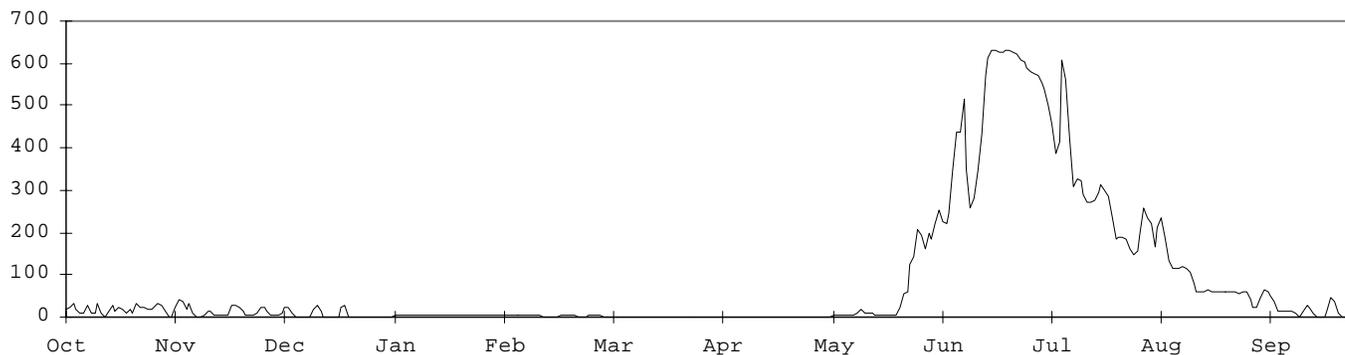
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|------|--------|
| 1 | 17 | 24 | 9.8 | 2.2 | 2.7 | 2.5 | 1.8 | 2.2 | 161 | 581 | 195 | 40 |
| 2 | 21 | 41 | 21 | 2.5 | 2.7 | 2.2 | 1.8 | 2.2 | 199 | 575 | 256 | 23 |
| 3 | 34 | 38 | 21 | 2.5 | 2.7 | 2.2 | 1.8 | 2.2 | 184 | 571 | 236 | 24 |
| 4 | 19 | 19 | 9.8 | 2.5 | 2.7 | 2.2 | 1.8 | 2.2 | 222 | 552 | 222 | 44 |
| 5 | 9.9 | 32 | 2.0 | 2.7 | 2.7 | 2.2 | 1.8 | 2.2 | 254 | 537 | 164 | 63 |
| 6 | 9.4 | 10 | 2.0 | 2.7 | 2.7 | 2.2 | 1.8 | 2.5 | 224 | 500 | 211 | 58 |
| 7 | 26 | 1.6 | 2.0 | 2.7 | 2.7 | 2.2 | 1.8 | 2.7 | 220 | 456 | 233 | 51 |
| 8 | 11 | 1.6 | 2.0 | 2.7 | 2.5 | 2.2 | 1.8 | 2.7 | 243 | 386 | 189 | 35 |
| 9 | 9.6 | 5.7 | 2.2 | 3.0 | 2.5 | 2.2 | 1.8 | 3.3 | 347 | 415 | 134 | 13 |
| 10 | 31 | 12 | 18 | 3.0 | 2.5 | 2.0 | 1.8 | 4.4 | 437 | 610 | 116 | 14 |
| 11 | 9.1 | 12 | 28 | 2.7 | 2.5 | 2.0 | 1.8 | 5.8 | 437 | 560 | 114 | 15 |
| 12 | 1.2 | 6.7 | 13 | 2.7 | 2.5 | 2.0 | 1.8 | 6.1 | 517 | 423 | 116 | 16 |
| 13 | 15 | 2.5 | 2.0 | 2.7 | 2.2 | 2.0 | 1.8 | 9.5 | 352 | 307 | 118 | 16 |
| 14 | 28 | 2.7 | 2.0 | 3.0 | 2.2 | 2.0 | 1.8 | 18 | 257 | 328 | 113 | 7.4 |
| 15 | 16 | 3.8 | 2.0 | 3.0 | 2.2 | 1.8 | 1.8 | 9.9 | 280 | 322 | 108 | 0.82 |
| 16 | 24 | 6.4 | 1.8 | 3.0 | 2.2 | 1.8 | 1.8 | 9.5 | 347 | 288 | 77 | 15 |
| 17 | 19 | 27 | 2.2 | 3.0 | 2.2 | 1.8 | 1.6 | 9.5 | 435 | 274 | 59 | 26 |
| 18 | 10 | 26 | 23 | 3.0 | 2.5 | 1.8 | 1.6 | 4.9 | 573 | 270 | 62 | 25 |
| 19 | 18 | 25 | 27 | 3.0 | 2.5 | 1.8 | 1.6 | 3.0 | 614 | 276 | 60 | 8.0 |
| 20 | 11 | 14 | 1.8 | 3.0 | 2.5 | 1.8 | 1.6 | 3.3 | 632 | 295 | 63 | 1.4 |
| 21 | 30 | 3.6 | 1.8 | 3.0 | 2.5 | 1.8 | 1.6 | 3.3 | 630 | 312 | 62 | 1.4 |
| 22 | 22 | 3.8 | 1.8 | 3.3 | 2.5 | 1.8 | 1.6 | 3.8 | 628 | 298 | 62 | 1.4 |
| 23 | 21 | 3.8 | 1.8 | 3.3 | 2.2 | 1.8 | 1.6 | 4.2 | 628 | 286 | 61 | 13 |
| 24 | 20 | 11 | 1.8 | 3.3 | 2.0 | 1.8 | 1.4 | 4.4 | 632 | 237 | 60 | 47 |
| 25 | 20 | 24 | 2.0 | 3.0 | 2.2 | 1.8 | 1.4 | 24 | 630 | 184 | 59 | 37 |
| 26 | 21 | 23 | 2.0 | 3.0 | 2.5 | 1.8 | 1.8 | 55 | 628 | 190 | 60 | 9.6 |
| 27 | 30 | 13 | 2.2 | 3.0 | 2.5 | 1.8 | 2.0 | 61 | 624 | 187 | 59 | 0.27 |
| 28 | 29 | 3.0 | 2.2 | 3.0 | 2.7 | 1.8 | 2.0 | 126 | 610 | 184 | 58 | 0.27 |
| 29 | 15 | 5.1 | 2.2 | 3.0 | --- | 1.8 | 2.2 | 143 | 602 | 163 | 57 | 0.27 |
| 30 | 1.2 | 4.8 | 2.2 | 3.0 | --- | 1.8 | 2.2 | 207 | 590 | 146 | 58 | 0.27 |
| 31 | 1.6 | --- | 2.2 | 3.0 | --- | 1.8 | --- | 193 | --- | 155 | 58 | --- |
| TOTAL | 550.0 | 406.1 | 214.8 | 89.5 | 69.0 | 60.7 | 53.0 | 930.8 | 13137 | 10868 | 3500 | 606.10 |
| MEAN | 17.7 | 13.5 | 6.93 | 2.89 | 2.46 | 1.96 | 1.77 | 30.0 | 438 | 351 | 113 | 20.2 |
| AC-FT | 1090 | 806 | 426 | 178 | 137 | 120 | 105 | 1850 | 26060 | 21560 | 6940 | 1200 |
| MAX | 34 | 41 | 28 | 3.3 | 2.7 | 2.5 | 2.2 | 207 | 632 | 610 | 256 | 63 |
| MIN | 1.2 | 1.6 | 1.8 | 2.2 | 2.0 | 1.8 | 1.4 | 2.2 | 161 | 146 | 57 | 0.27 |

CAL YR 1982 TOTAL 27748.2 MEAN 76.0 MAX 570 MIN 1.2 AC-FT 55040
WTR YR 1983 TOTAL 30485.00 MEAN 83.5 MAX 632 MIN 0.27 AC-FT 60470

MAX DISCH 640 CFS AT 2030 24-JUN-1983 GH 5.13 FT. SHIFT 0.00 FT. MAX GH 5.13 FT. AT 2030 24-JUN-1983



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1984)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 12' Parshall flume.

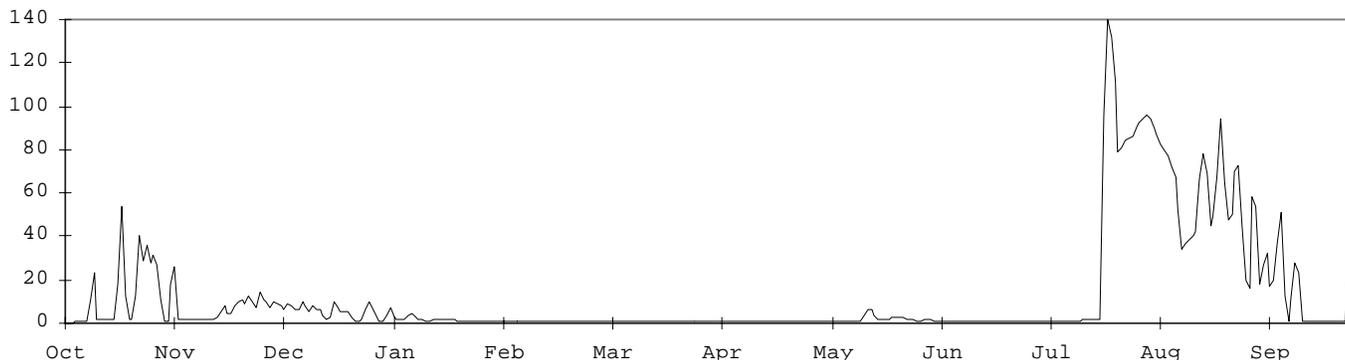
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|-------|-------|------|-------|-------|-------|-------|-------|---------|------|--------|
| 1 | 0.27 | 26 | 8.3 | 6.8 | 1.2 | 0.99 | 0.82 | 0.82 | 1.4 | 0.82 | 94 | 58 |
| 2 | 0.27 | 1.4 | 6.2 | 2.5 | 1.2 | 0.99 | 0.82 | 0.82 | 1.4 | 0.99 | 96 | 54 |
| 3 | 0.27 | 1.4 | 9.1 | 1.4 | 1.2 | 0.99 | 0.82 | 0.82 | 1.2 | 0.66 | 94 | 18 |
| 4 | 0.63 | 1.4 | 7.9 | 1.4 | 1.2 | 0.99 | 0.82 | 0.82 | 0.99 | 0.66 | 90 | 27 |
| 5 | 0.99 | 1.6 | 6.3 | 1.4 | 1.2 | 0.99 | 0.82 | 0.82 | 0.82 | 0.66 | 87 | 32 |
| 6 | 0.99 | 1.6 | 6.3 | 3.3 | 1.2 | 0.82 | 0.82 | 0.82 | 0.82 | 0.66 | 83 | 17 |
| 7 | 1.2 | 1.6 | 9.5 | 4.8 | 1.2 | 0.82 | 0.82 | 0.82 | 0.82 | 0.66 | 80 | 20 |
| 8 | 11 | 1.8 | 7.9 | 3.0 | 0.99 | 0.82 | 0.82 | 0.82 | 0.82 | 0.66 | 77 | 37 |
| 9 | 23 | 1.8 | 5.3 | 2.2 | 0.99 | 0.82 | 0.82 | 0.82 | 0.82 | 0.66 | 72 | 51 |
| 10 | 1.4 | 2.0 | 8.3 | 1.6 | 0.99 | 0.82 | 0.66 | 0.82 | 0.66 | 0.66 | 67 | 13 |
| 11 | 1.6 | 2.0 | 6.4 | 1.2 | 0.99 | 0.82 | 0.66 | 0.82 | 0.66 | 0.66 | 52 | 0.66 |
| 12 | 1.6 | 2.0 | 6.4 | 1.2 | 0.99 | 0.82 | 0.66 | 0.99 | 0.52 | 0.66 | 34 | 12 |
| 13 | 1.8 | 2.7 | 3.3 | 2.2 | 0.99 | 0.82 | 0.66 | 1.2 | 0.52 | 0.66 | 37 | 28 |
| 14 | 1.8 | 5.4 | 2.2 | 2.2 | 0.99 | 0.82 | 0.66 | 3.5 | 0.66 | 1.2 | 39 | 23 |
| 15 | 2.0 | 7.9 | 3.0 | 2.0 | 0.99 | 0.82 | 0.66 | 6.1 | 0.82 | 1.8 | 40 | 1.2 |
| 16 | 18 | 4.8 | 10 | 1.8 | 0.99 | 0.82 | 0.66 | 6.4 | 0.99 | 2.0 | 42 | 0.99 |
| 17 | 54 | 4.2 | 6.8 | 1.6 | 0.99 | 0.82 | 0.66 | 3.8 | 0.99 | 1.6 | 66 | 0.82 |
| 18 | 13 | 8.3 | 5.1 | 1.6 | 0.99 | 0.82 | 0.82 | 1.8 | 0.82 | 1.4 | 78 | 0.66 |
| 19 | 1.8 | 9.9 | 5.1 | 1.4 | 0.99 | 0.82 | 0.82 | 1.6 | 0.82 | 1.4 | 69 | 0.66 |
| 20 | 1.8 | 11 | 5.1 | 1.2 | 0.99 | 0.82 | 0.82 | 1.6 | 0.82 | 2.0 | 45 | 0.82 |
| 21 | 13 | 9.1 | 2.7 | 1.2 | 0.99 | 0.82 | 0.82 | 1.6 | 0.99 | 96 | 49 | 0.82 |
| 22 | 40 | 13 | 1.2 | 1.2 | 0.99 | 0.82 | 0.82 | 2.5 | 0.99 | 140 | 67 | 0.82 |
| 23 | 29 | 10 | 1.2 | 1.2 | 0.99 | 0.82 | 0.82 | 2.5 | 0.82 | 132 | 94 | 0.82 |
| 24 | 36 | 7.3 | 1.6 | 1.2 | 0.99 | 0.82 | 0.82 | 2.5 | 0.82 | 111 | 65 | 0.82 |
| 25 | 28 | 14 | 6.2 | 1.2 | 0.99 | 0.82 | 0.82 | 3.0 | 0.82 | 79 | 48 | 0.99 |
| 26 | 31 | 11 | 9.9 | 1.2 | 0.99 | 0.82 | 0.82 | 2.2 | 0.82 | 81 | 50 | 0.99 |
| 27 | 27 | 9.9 | 6.1 | 1.2 | 0.99 | 0.82 | 0.82 | 1.6 | 0.82 | 84 | 70 | 0.99 |
| 28 | 11 | 6.8 | 2.5 | 1.2 | 0.99 | 0.82 | 0.82 | 1.4 | 0.66 | 85 | 73 | 19 |
| 29 | 0.99 | 9.9 | 1.2 | 1.2 | 0.99 | 0.82 | 0.82 | 1.2 | 0.82 | 86 | 44 | 18 |
| 30 | 0.99 | 9.1 | 1.2 | 1.2 | --- | 0.82 | 0.82 | 0.99 | 0.99 | 91 | 20 | 0.66 |
| 31 | 18 | --- | 3.3 | 1.2 | --- | 0.82 | --- | 1.4 | --- | 92 | 16 | --- |
| TOTAL | 372.40 | 198.9 | 165.6 | 58.0 | 30.18 | 26.27 | 23.32 | 56.90 | 25.92 | 1097.47 | 1938 | 439.72 |
| MEAN | 12.0 | 6.63 | 5.34 | 1.87 | 1.04 | 0.85 | 0.78 | 1.84 | 0.86 | 35.4 | 62.5 | 14.7 |
| AC-FT | 739 | 395 | 328 | 115 | 60 | 52 | 46 | 113 | 51 | 2180 | 3840 | 872 |
| MAX | 54 | 26 | 10 | 6.8 | 1.2 | 0.99 | 0.82 | 6.4 | 1.4 | 140 | 96 | 58 |
| MIN | 0.27 | 1.4 | 1.2 | 1.2 | 0.99 | 0.82 | 0.66 | 0.82 | 0.52 | 0.66 | 16 | 0.66 |

CAL YR 1983 TOTAL 30051.00 MEAN 82.3 MAX 632 MIN 0.27 AC-FT 59610
WTR YR 1984 TOTAL 4432.68 MEAN 12.1 MAX 140 MIN 0.27 AC-FT 8790

MAX DISCH 150 CFS AT 0815 21-JUL-1984 GH 2.07 FT. SHIFT 0.00 FT. MAX GH 2.07 FT. AT 0815 21-JUL-1984



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1985)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 12' Parshall flume.

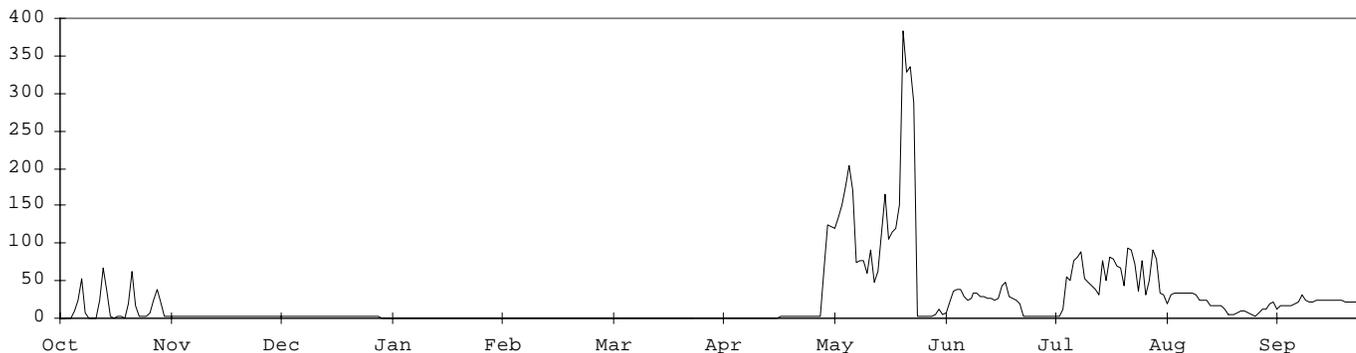
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|
| 1 | 0.66 | 1.6 | 1.8 | 0.99 | 0.52 | 0.66 | 0.52 | 2.0 | 2.7 | 1.8 | 31 | 2.5 |
| 2 | 0.66 | 1.6 | 1.8 | 0.99 | 0.52 | 0.66 | 0.52 | 2.2 | 3.0 | 1.8 | 50 | 7.7 |
| 3 | 0.82 | 1.6 | 1.8 | 0.99 | 0.52 | 0.66 | 0.52 | 65 | 3.8 | 1.8 | 90 | 12 |
| 4 | 0.99 | 1.6 | 2.0 | 0.99 | 0.52 | 0.66 | 0.52 | 124 | 12 | 1.8 | 80 | 13 |
| 5 | 10 | 1.6 | 2.0 | 0.99 | 0.52 | 0.66 | 0.52 | 121 | 5.8 | 1.8 | 33 | 18 |
| 6 | 25 | 1.6 | 2.0 | 0.99 | 0.52 | 0.66 | 0.52 | 119 | 6.1 | 1.8 | 32 | 21 |
| 7 | 52 | 1.6 | 2.0 | 0.99 | 0.52 | 0.66 | 0.52 | 134 | 22 | 1.8 | 20 | 13 |
| 8 | 7.9 | 1.6 | 2.0 | 0.99 | 0.52 | 0.66 | 0.52 | 150 | 37 | 1.8 | 31 | 17 |
| 9 | 0.82 | 1.6 | 2.0 | 0.99 | 0.52 | 0.66 | 0.52 | 175 | 38 | 11 | 33 | 17 |
| 10 | 0.82 | 1.6 | 2.0 | 0.82 | 0.52 | 0.66 | 0.52 | 204 | 38 | 56 | 34 | 17 |
| 11 | 0.82 | 1.6 | 2.0 | 0.82 | 0.52 | 0.66 | 0.52 | 169 | 28 | 50 | 34 | 17 |
| 12 | 25 | 1.6 | 2.0 | 0.82 | 0.52 | 0.66 | 0.52 | 74 | 24 | 76 | 34 | 20 |
| 13 | 66 | 1.6 | 2.0 | 0.82 | 0.52 | 0.66 | 0.52 | 76 | 26 | 81 | 33 | 22 |
| 14 | 36 | 1.6 | 2.0 | 0.82 | 0.52 | 0.66 | 0.52 | 77 | 33 | 88 | 33 | 31 |
| 15 | 1.2 | 1.6 | 1.8 | 0.82 | 0.52 | 0.66 | 0.66 | 59 | 33 | 53 | 31 | 23 |
| 16 | 0.99 | 1.6 | 1.8 | 0.82 | 0.66 | 0.66 | 0.66 | 91 | 29 | 47 | 25 | 22 |
| 17 | 1.2 | 1.6 | 1.6 | 0.82 | 0.66 | 0.66 | 0.82 | 47 | 28 | 42 | 25 | 22 |
| 18 | 1.2 | 1.6 | 1.6 | 0.82 | 0.66 | 0.66 | 0.82 | 62 | 27 | 39 | 23 | 23 |
| 19 | 0.99 | 1.6 | 1.6 | 0.82 | 0.66 | 0.66 | 0.82 | 112 | 26 | 32 | 16 | 23 |
| 20 | 19 | 1.6 | 1.6 | 0.82 | 0.66 | 0.66 | 0.99 | 166 | 25 | 77 | 16 | 23 |
| 21 | 63 | 1.6 | 1.6 | 0.66 | 0.66 | 0.66 | 1.2 | 106 | 26 | 50 | 16 | 23 |
| 22 | 16 | 1.6 | 1.6 | 0.66 | 0.66 | 0.66 | 1.4 | 116 | 42 | 81 | 16 | 23 |
| 23 | 1.4 | 1.6 | 1.6 | 0.66 | 0.66 | 0.66 | 1.4 | 120 | 48 | 79 | 11 | 23 |
| 24 | 1.6 | 1.6 | 1.4 | 0.66 | 0.66 | 0.66 | 1.4 | 151 | 29 | 70 | 4.4 | 23 |
| 25 | 1.6 | 1.6 | 1.2 | 0.66 | 0.66 | 0.66 | 1.4 | 383 | 27 | 68 | 4.4 | 23 |
| 26 | 7.8 | 1.6 | 1.2 | 0.66 | 0.66 | 0.66 | 1.6 | 328 | 25 | 43 | 4.4 | 22 |
| 27 | 24 | 1.6 | 1.2 | 0.66 | 0.66 | 0.66 | 1.6 | 336 | 19 | 93 | 8.3 | 22 |
| 28 | 38 | 1.8 | 1.2 | 0.66 | 0.66 | 0.66 | 1.6 | 288 | 1.8 | 90 | 9.5 | 22 |
| 29 | 22 | 1.8 | 1.2 | 0.52 | --- | 0.52 | 1.6 | 3.3 | 1.8 | 71 | 9.1 | 22 |
| 30 | 1.2 | 1.8 | 0.99 | 0.52 | --- | 0.52 | 1.8 | 2.7 | 1.8 | 36 | 7.2 | 22 |
| 31 | 1.4 | --- | 0.99 | 0.52 | --- | 0.52 | --- | 2.5 | --- | 77 | 4.2 | --- |
| TOTAL | 430.07 | 48.6 | 51.58 | 24.77 | 16.38 | 20.04 | 27.05 | 3865.7 | 668.8 | 1424.4 | 798.5 | 589.2 |
| MEAN | 13.9 | 1.62 | 1.66 | 0.80 | 0.58 | 0.65 | 0.90 | 125 | 22.3 | 45.9 | 25.8 | 19.6 |
| AC-FT | 853 | 96 | 102 | 49 | 32 | 40 | 54 | 7670 | 1330 | 2830 | 1580 | 1170 |
| MAX | 66 | 1.8 | 2.0 | 0.99 | 0.66 | 0.66 | 1.8 | 383 | 48 | 93 | 90 | 31 |
| MIN | 0.66 | 1.6 | 0.99 | 0.52 | 0.52 | 0.52 | 0.52 | 2.0 | 1.8 | 1.8 | 4.2 | 2.5 |

CAL YR 1984 TOTAL 4223.03 MEAN 11.5 MAX 140 MIN 0.52 AC-FT 8380
WTR YR 1985 TOTAL 7965.09 MEAN 21.8 MAX 383 MIN 0.52 AC-FT 15800

MAX DISCH 440 CFS AT 1300 25-MAY-1985 GH 4.01 FT. SHIFT +.05 FT. MAX GH 4.01 FT. AT 1300 25-MAY-1985



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1986)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 12' Parshall flume.

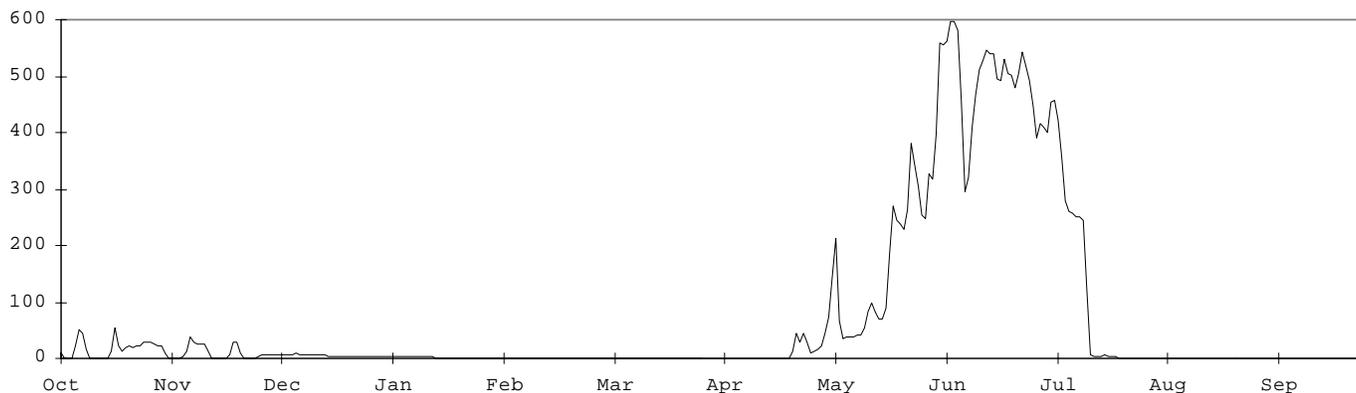
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|-------|-------|------|-------|-------|--------|------|-------|---------|-----|-----|
| 1 | 9.9 | 1.2 | 6.8 | 1.6 | 1.4 | 0.99 | 0.99 | 17 | 326 | 389 | 0.0 | 0.0 |
| 2 | 1.2 | 1.2 | 6.4 | 1.6 | 1.2 | 0.99 | 0.99 | 21 | 319 | 416 | 0.0 | 0.0 |
| 3 | 1.2 | 1.4 | 6.4 | 1.6 | 1.2 | 0.99 | 0.99 | 45 | 398 | 408 | 0.0 | 0.0 |
| 4 | 1.2 | 1.6 | 6.8 | 1.6 | 1.2 | 0.99 | 0.99 | 72 | 560 | 399 | 0.0 | 0.0 |
| 5 | 22 | 12 | 7.2 | 1.6 | 1.2 | 0.99 | 0.99 | 143 | 554 | 454 | 0.0 | 0.0 |
| 6 | 52 | 37 | 8.3 | 1.6 | 1.2 | 0.99 | 0.99 | 214 | 562 | 457 | 0.0 | 0.0 |
| 7 | 45 | 30 | 7.9 | 1.6 | 1.2 | 0.99 | 0.99 | 68 | 596 | 423 | 0.0 | 0.0 |
| 8 | 15 | 26 | 7.2 | 1.6 | 1.2 | 0.99 | 0.99 | 34 | 596 | 355 | 0.0 | 0.0 |
| 9 | 0.99 | 26 | 6.4 | 1.6 | 1.2 | 0.99 | 0.99 | 37 | 581 | 280 | 0.0 | 0.0 |
| 10 | 0.99 | 25 | 5.8 | 1.6 | 1.2 | 0.99 | 0.99 | 38 | 457 | 261 | 0.0 | 0.0 |
| 11 | 1.2 | 12 | 5.4 | 1.6 | 1.2 | 0.99 | 0.99 | 39 | 295 | 258 | 0.0 | 0.0 |
| 12 | 1.2 | 1.2 | 5.4 | 1.6 | 1.2 | 0.99 | 0.99 | 40 | 322 | 250 | 0.0 | 0.0 |
| 13 | 1.2 | 1.2 | 5.1 | 1.6 | 1.2 | 0.99 | 0.99 | 42 | 408 | 251 | 0.0 | 0.0 |
| 14 | 1.2 | 1.2 | 4.8 | 1.4 | 1.2 | 0.99 | 0.99 | 54 | 468 | 246 | 0.0 | 0.0 |
| 15 | 12 | 1.2 | 4.1 | 1.4 | 1.2 | 0.99 | 0.99 | 82 | 511 | 123 | 0.0 | 0.0 |
| 16 | 54 | 1.2 | 3.8 | 1.4 | 1.2 | 0.99 | 1.2 | 100 | 526 | 5.4 | 0.0 | 0.0 |
| 17 | 22 | 7.5 | 3.6 | 1.4 | 1.2 | 0.99 | 1.2 | 82 | 545 | 3.3 | 0.0 | 0.0 |
| 18 | 13 | 28 | 3.3 | 1.4 | 1.2 | 0.99 | 1.2 | 70 | 539 | 2.2 | 0.0 | 0.0 |
| 19 | 18 | 27 | 3.3 | 1.4 | 0.99 | 0.99 | 1.2 | 69 | 539 | 3.8 | 0.0 | 0.0 |
| 20 | 22 | 11 | 3.3 | 1.4 | 0.99 | 0.99 | 1.2 | 88 | 496 | 5.1 | 0.0 | 0.0 |
| 21 | 19 | 1.2 | 3.0 | 1.4 | 0.99 | 0.99 | 1.2 | 186 | 493 | 4.4 | 0.0 | 0.0 |
| 22 | 21 | 1.4 | 3.0 | 1.4 | 1.2 | 0.99 | 1.2 | 271 | 530 | 3.3 | 0.0 | 0.0 |
| 23 | 23 | 1.4 | 3.0 | 1.4 | 1.2 | 0.99 | 1.4 | 243 | 504 | 1.8 | 0.0 | 0.0 |
| 24 | 29 | 1.4 | 2.7 | 1.4 | 1.2 | 0.99 | 13 | 239 | 502 | 0.82 | 0.0 | 0.0 |
| 25 | 28 | 3.0 | 2.5 | 1.4 | 1.2 | 0.99 | 44 | 230 | 478 | 0.39 | 0.0 | 0.0 |
| 26 | 29 | 6.4 | 2.5 | 1.4 | 0.99 | 0.99 | 29 | 264 | 506 | 0.0 | 0.0 | 0.0 |
| 27 | 24 | 7.6 | 2.5 | 1.4 | 0.99 | 0.99 | 44 | 381 | 543 | 0.0 | 0.0 | 0.0 |
| 28 | 22 | 7.6 | 2.2 | 1.4 | 0.99 | 0.99 | 30 | 342 | 519 | 0.0 | 0.0 | 0.0 |
| 29 | 22 | 7.6 | 1.8 | 1.4 | --- | 0.99 | 11 | 306 | 491 | 0.0 | 0.0 | 0.0 |
| 30 | 8.8 | 7.9 | 1.8 | 1.4 | --- | 0.99 | 13 | 254 | 449 | 0.0 | 0.0 | 0.0 |
| 31 | 1.2 | --- | 1.8 | 1.4 | --- | 0.99 | --- | 247 | --- | 0.0 | 0.0 | --- |
| TOTAL | 522.28 | 298.4 | 138.1 | 46.0 | 32.54 | 30.69 | 208.65 | 4318 | 14613 | 5000.51 | 0.0 | 0.0 |
| MEAN | 16.8 | 9.95 | 4.45 | 1.48 | 1.16 | 0.99 | 6.96 | 139 | 487 | 161 | 0.0 | 0.0 |
| AC-FT | 1040 | 592 | 274 | 91 | 65 | 61 | 414 | 8560 | 28980 | 9920 | 0.0 | 0.0 |
| MAX | 54 | 37 | 8.3 | 1.6 | 1.4 | 0.99 | 44 | 381 | 596 | 457 | 0.0 | 0.0 |
| MIN | 0.99 | 1.2 | 1.8 | 1.4 | 0.99 | 0.99 | 0.99 | 17 | 295 | 0.0 | 0.0 | 0.0 |

CAL YR 1985 TOTAL 8393.62 MEAN 23.0 MAX 383 MIN 0.52 AC-FT 16650
WTR YR 1986 TOTAL 25208.17 MEAN 69.1 MAX 596 MIN 0.00 AC-FT 50000

MAX DISCH 604 CFS AT 0045 08-JUN-1986 GH 4.91 FT. SHIFT 0.04 FT. MAX GH 4.91 FT. AT 0045 08-JUN-1986



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1987)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

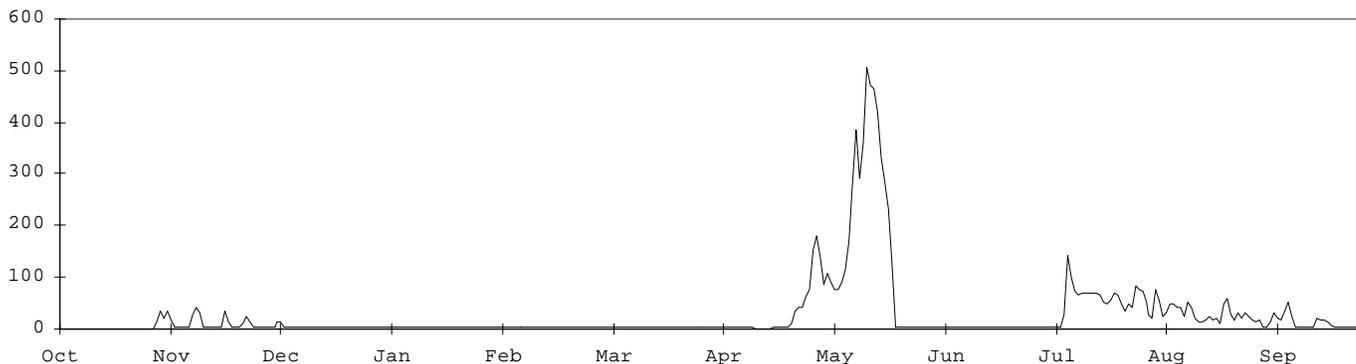
GAGE.--Water-stage recorder at 12' Parshall flume.

RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|----------|-------|-------|------|------|------|-------|--------|-------|--------|------|-------|
| 1 | 0.0 | 19 | 13 | 3.3 | 2.7 | 2.5 | 2.0 | 179 | 2.6 | 2.1 | 53 | 13 |
| 2 | 0.0 | 2.5 | 15 | 3.3 | 2.7 | 2.5 | 2.0 | 137 | 4.0 | 2.2 | 28 | 16 |
| 3 | 0.0 | 2.5 | 3.3 | 3.1 | 2.7 | 2.5 | 2.0 | 87 | 3.5 | 2.4 | 21 | 2.0 |
| 4 | 0.0 | 2.5 | 3.3 | 3.0 | 2.7 | 2.5 | 2.0 | 109 | 2.6 | 2.5 | 77 | 2.0 |
| 5 | 0.0 | 3.0 | 3.3 | 3.0 | 2.7 | 2.5 | 1.8 | 91 | 2.3 | 2.4 | 57 | 15 |
| 6 | 0.0 | 3.4 | 3.3 | 3.0 | 2.7 | 2.5 | 1.8 | 75 | 2.5 | 2.2 | 25 | 32 |
| 7 | 0.0 | 28 | 3.3 | 3.0 | 2.7 | 2.5 | 1.8 | 75 | 2.5 | 2.2 | 32 | 21 |
| 8 | 0.0 | 42 | 3.3 | 3.0 | 2.8 | 2.5 | 1.8 | 90 | 2.9 | 2.3 | 49 | 17 |
| 9 | 0.0 | 30 | 3.3 | 3.0 | 2.7 | 2.5 | 1.8 | 114 | 3.2 | 2.7 | 50 | 36 |
| 10 | 0.0 | 3.0 | 3.3 | 3.0 | 2.7 | 2.5 | 1.8 | 169 | 3.1 | 141 | 40 | 51 |
| 11 | 0.0 | 2.7 | 3.3 | 3.0 | 2.7 | 2.4 | 1.8 | 282 | 2.7 | 102 | 40 | 25 |
| 12 | 0.0 | 3.0 | 3.3 | 3.0 | 2.6 | 2.5 | 1.8 | 386 | 2.7 | 74 | 23 | 1.8 |
| 13 | 0.0 | 3.1 | 3.3 | 3.0 | 2.6 | 2.5 | 1.8 | 291 | 2.8 | 67 | 51 | 2.0 |
| 14 | 0.0 | 3.0 | 3.3 | 3.0 | 2.5 | 2.2 | 1.7 | 359 | 3.1 | 68 | 43 | 2.0 |
| 15 | 0.0 | 5.1 | 3.3 | 3.0 | 2.5 | 2.2 | 1.6 | 508 | 3.0 | 68 | 21 | 2.0 |
| 16 | 0.0 | 35 | 3.3 | 3.0 | 2.5 | 2.2 | 1.6 | 473 | 2.8 | 69 | 14 | 2.1 |
| 17 | 0.0 | 15 | 3.3 | 3.0 | 2.5 | 2.2 | 1.6 | 466 | 2.7 | 68 | 14 | 2.2 |
| 18 | 0.0 | 3.3 | 3.3 | 3.0 | 2.6 | 2.2 | 1.7 | 420 | 2.5 | 68 | 19 | 2.0 |
| 19 | 0.0 | 3.3 | 3.3 | 3.0 | 2.7 | 2.2 | 1.8 | 334 | 2.4 | 67 | 24 | 19 |
| 20 | 0.0 | 3.3 | 3.3 | 3.0 | 2.7 | 2.2 | 1.8 | 283 | 2.8 | 52 | 19 | 19 |
| 21 | 0.0 | 12 | 3.3 | 3.0 | 2.5 | 2.2 | 1.8 | 234 | 2.9 | 48 | 20 | 13 |
| 22 | 0.0 | 25 | 3.3 | 3.0 | 2.5 | 2.2 | 1.8 | 127 | 2.8 | 57 | 12 | 5.3 |
| 23 | 0.0 | 13 | 3.3 | 3.0 | 2.5 | 2.0 | 2.0 | 3.3 | 2.7 | 69 | 48 | 2.2 |
| 24 | 0.0 | 3.6 | 3.3 | 3.0 | 2.5 | 2.0 | 1.0 | 3.4 | 2.4 | 66 | 60 | 2.0 |
| 25 | 0.0 | 3.4 | 3.3 | 3.0 | 2.5 | 2.0 | 3.6 | 3.6 | 2.2 | 50 | 28 | 2.0 |
| 26 | 0.0 | 3.3 | 3.3 | 2.7 | 2.5 | 2.0 | 4.0 | 3.4 | 2.2 | 34 | 17 | 2.0 |
| 27 | 0.0 | 3.3 | 3.3 | 2.7 | 2.5 | 2.0 | 4.2 | 3.1 | 2.2 | 47 | 31 | 2.0 |
| 28 | 13 | 3.3 | 3.3 | 2.7 | 2.5 | 2.0 | 6.4 | 2.8 | 2.2 | 43 | 21 | 2.2 |
| 29 | 35 | 3.3 | 3.3 | 2.7 | --- | 2.0 | 7.8 | 2.5 | 2.2 | 83 | 30 | 2.2 |
| 30 | 20 | 3.4 | 3.3 | 2.7 | --- | 2.0 | 15.3 | 2.5 | 2.0 | 77 | 24 | 2.2 |
| 31 | 34 | --- | 3.3 | 2.7 | --- | 2.0 | --- | 2.4 | --- | 72 | 19 | --- |
| TOTAL | 102 | 286.3 | 123.7 | 91.9 | 73.0 | 70.2 | 464.6 | 5316.0 | 80.5 | 1535.3 | 1010 | 335.2 |
| MEAN | 3.29 | 9.54 | 3.99 | 2.96 | 2.61 | 2.26 | 15.5 | 171 | 2.68 | 49.5 | 32.6 | 11.2 |
| AC-FT | 202 | 568 | 245 | 182 | 145 | 139 | 922 | 10540 | 160 | 3050 | 2000 | 665 |
| MAX | 35 | 42 | 15 | 3.3 | 2.8 | 2.5 | 153 | 508 | 4.0 | 141 | 77 | 51 |
| MIN | 0.0 | 2.5 | 3.3 | 2.7 | 2.5 | 2.0 | 1.6 | 2.4 | 2.0 | 2.1 | 12 | 1.8 |
| CAL YR 1986 TOTAL | 24761.39 | | MEAN | 67.8 | MAX | 596 | MIN | 0.00 | AC-FT | 49110 | | |
| WTR YR 1987 TOTAL | 9488.7 | | MEAN | 26.0 | MAX | 508 | MIN | 0.00 | AC-FT | 18820 | | |

MAX DISCH 556 CFS AT 2330 14-MAY-1987 GH 4.64 FT. SHIFT 0.06 FT. MAX GH 4.64 FT. AT 2330 14-MAY-1987



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1988)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 12' Parshall flume.

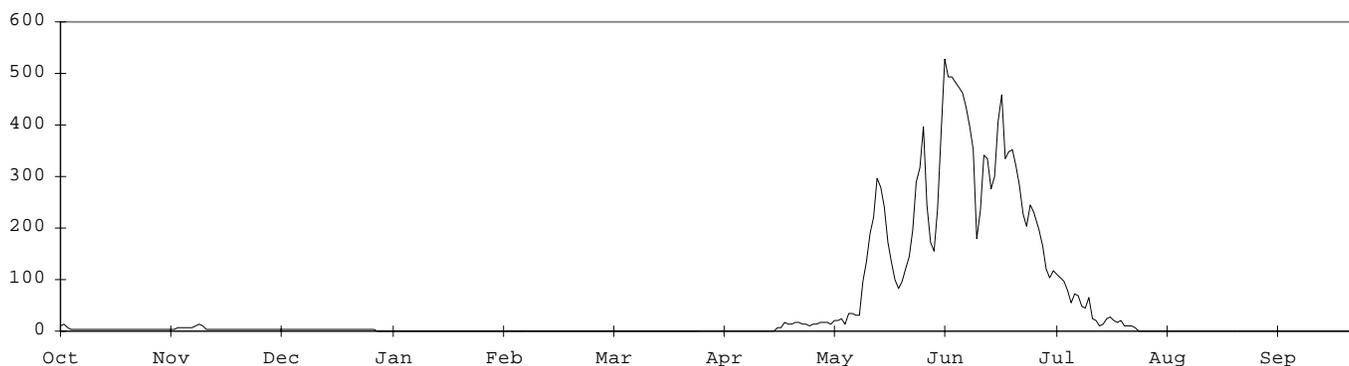
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|------|------|------|------|-------|------|-------|--------|-------|-------|
| 1 | 10 | 2.2 | 2.2 | 1.4 | 1.6 | 1.4 | 1.3 | 16 | 173 | 196 | 1.4 | 0.66 |
| 2 | 14 | 4.7 | 2.1 | 1.4 | 1.4 | 1.5 | 1.4 | 18 | 155 | 166 | 1.2 | 0.66 |
| 3 | 6.1 | 6.0 | 2.0 | 1.4 | 1.4 | 1.6 | 1.4 | 18 | 237 | 121 | 1.1 | 0.66 |
| 4 | 2.2 | 5.9 | 2.0 | 1.5 | 1.4 | 1.6 | 1.4 | 15 | 390 | 104 | 0.99 | 0.69 |
| 5 | 2.2 | 5.7 | 2.0 | 1.5 | 1.4 | 1.6 | 1.4 | 22 | 527 | 116 | 0.99 | 0.75 |
| 6 | 2.2 | 5.8 | 2.0 | 1.4 | 1.4 | 1.6 | 1.4 | 22 | 492 | 110 | 0.98 | 0.66 |
| 7 | 2.1 | 5.8 | 1.9 | 1.4 | 1.4 | 1.4 | 1.4 | 25 | 492 | 102 | 0.99 | 0.66 |
| 8 | 2.0 | 10 | 2.0 | 1.4 | 1.4 | 1.2 | 1.4 | 15 | 483 | 95 | 0.87 | 0.78 |
| 9 | 2.1 | 13 | 2.0 | 1.4 | 1.4 | 1.2 | 1.4 | 35 | 473 | 79 | 0.83 | 0.71 |
| 10 | 2.0 | 11 | 2.0 | 1.4 | 1.4 | 1.3 | 1.4 | 33 | 461 | 54 | 0.82 | 0.66 |
| 11 | 2.0 | 3.3 | 2.0 | 1.4 | 1.4 | 1.4 | 1.3 | 32 | 435 | 73 | 0.89 | 0.66 |
| 12 | 2.0 | 3.6 | 2.0 | 1.4 | 1.4 | 1.4 | 1.2 | 30 | 398 | 69 | 0.94 | 0.69 |
| 13 | 2.0 | 3.6 | 2.0 | 1.4 | 1.4 | 1.4 | 1.3 | 96 | 352 | 47 | 0.99 | 0.77 |
| 14 | 2.0 | 3.6 | 2.0 | 1.4 | 1.4 | 1.4 | 1.4 | 133 | 180 | 46 | 0.99 | 0.82 |
| 15 | 2.0 | 3.6 | 2.0 | 1.4 | 1.4 | 1.4 | 1.4 | 188 | 235 | 67 | 0.99 | 0.82 |
| 16 | 2.0 | 3.8 | 2.0 | 1.4 | 1.4 | 1.4 | 1.6 | 219 | 342 | 24 | 0.99 | 0.77 |
| 17 | 2.0 | 4.2 | 2.0 | 1.4 | 1.4 | 1.4 | 1.6 | 295 | 333 | 22 | 0.98 | 0.72 |
| 18 | 2.0 | 4.2 | 2.0 | 1.6 | 1.4 | 1.6 | 1.6 | 279 | 276 | 10 | 0.94 | 0.67 |
| 19 | 2.0 | 4.0 | 2.0 | 1.5 | 1.4 | 1.6 | 7.8 | 241 | 300 | 14 | 0.86 | 0.66 |
| 20 | 1.8 | 3.8 | 2.0 | 1.4 | 1.4 | 1.6 | 7.5 | 174 | 406 | 24 | 0.82 | 0.66 |
| 21 | 1.8 | 3.6 | 1.9 | 1.4 | 1.4 | 1.6 | 17 | 136 | 457 | 27 | 0.82 | 0.54 |
| 22 | 1.8 | 3.6 | 1.9 | 1.4 | 1.4 | 1.6 | 13 | 100 | 336 | 21 | 0.82 | 0.52 |
| 23 | 1.8 | 3.5 | 1.8 | 1.4 | 1.4 | 1.6 | 15 | 83 | 347 | 17 | 0.82 | 0.49 |
| 24 | 1.8 | 3.0 | 1.8 | 1.4 | 1.4 | 1.5 | 16 | 95 | 352 | 21 | 0.81 | 0.39 |
| 25 | 1.8 | 2.9 | 1.8 | 1.4 | 1.4 | 1.4 | 16 | 119 | 321 | 10 | 0.82 | 0.31 |
| 26 | 1.8 | 2.5 | 1.8 | 1.5 | 1.4 | 1.4 | 15 | 146 | 284 | 10 | 0.81 | 0.27 |
| 27 | 2.0 | 2.5 | 1.8 | 1.5 | 1.4 | 1.4 | 15 | 198 | 226 | 12 | 0.82 | 0.33 |
| 28 | 2.0 | 2.5 | 1.8 | 1.6 | 1.4 | 1.4 | 9.8 | 290 | 203 | 6.8 | 0.75 | 0.35 |
| 29 | 2.0 | 2.5 | 1.5 | 1.6 | 1.4 | 1.4 | 15 | 316 | 244 | 1.4 | 0.69 | 0.27 |
| 30 | 2.0 | 2.2 | 1.4 | 1.6 | --- | 1.4 | 14 | 397 | 230 | 1.4 | 0.66 | 0.27 |
| 31 | 2.0 | --- | 1.4 | 1.6 | --- | 1.4 | --- | 246 | --- | 1.4 | 0.66 | --- |
| TOTAL | 85.5 | 136.6 | 59.1 | 44.9 | 40.8 | 45.1 | 186.4 | 4032 | 10140 | 1668.0 | 28.06 | 17.87 |
| MEAN | 2.76 | 4.55 | 1.91 | 1.45 | 1.41 | 1.45 | 6.21 | 130 | 338 | 53.8 | 0.91 | 0.60 |
| AC-FT | 170 | 271 | 117 | 89 | 81 | 89 | 370 | 8000 | 20110 | 3310 | 56 | 35 |
| MAX | 14 | 13 | 2.2 | 1.6 | 1.6 | 1.6 | 17 | 397 | 527 | 196 | 1.4 | 0.82 |
| MIN | 1.8 | 2.2 | 1.4 | 1.4 | 1.4 | 1.2 | 1.2 | 15 | 155 | 1.4 | 0.66 | 0.27 |

CAL YR 1987 TOTAL 9257.9 MEAN 25.4 MAX 508 MIN 1.4 AC-FT 18360
WTR YR 1988 TOTAL 16484.32 MEAN 45.0 MAX 527 MIN 0.27 AC-FT 32700

MAX DISCH 596 CFS AT 0845 21-JUN-1988 GH 4.91 FT. SHIFT 0.00 FT. MAX GH 4.91 FT. AT 0845 21-JUN-1988



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1989)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 12' Parshall flume.

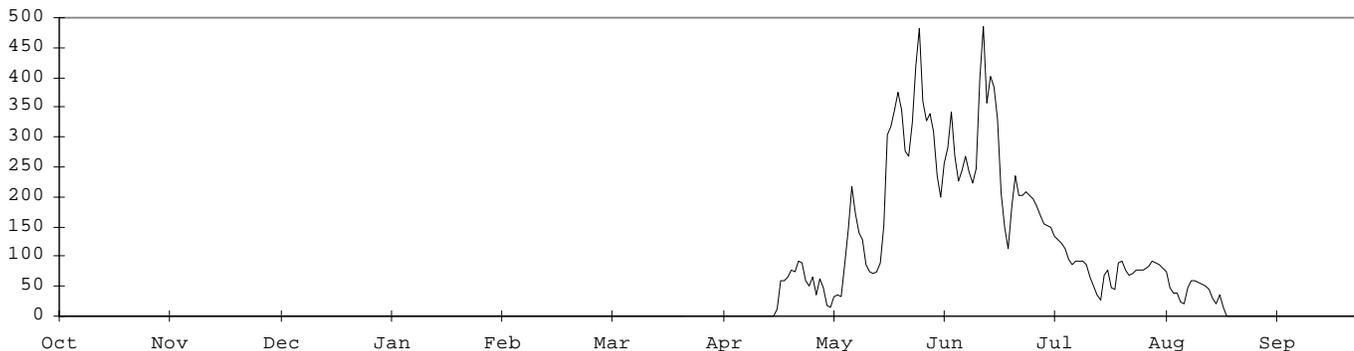
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|-------|--------|-------|-------|------|---------|------|
| 1 | 0.22 | 0.43 | 0.52 | 0.39 | 0.40 | 0.27 | 0.52 | 35 | 327 | 195 | 76 | 1.2 |
| 2 | 0.17 | 0.46 | 0.52 | 0.39 | 0.42 | 0.35 | 0.52 | 63 | 338 | 184 | 82 | 0.18 |
| 3 | 0.17 | 0.40 | 0.52 | 0.39 | 0.47 | 0.39 | 0.53 | 48 | 309 | 171 | 93 | 0.17 |
| 4 | 0.17 | 0.39 | 0.52 | 0.39 | 0.52 | 0.36 | 0.52 | 19 | 235 | 155 | 90 | 0.17 |
| 5 | 0.16 | 0.39 | 0.52 | 0.39 | 0.50 | 0.32 | 0.52 | 16 | 199 | 152 | 85 | 0.17 |
| 6 | 0.11 | 0.39 | 0.52 | 0.39 | 0.52 | 0.32 | 0.51 | 32 | 257 | 148 | 80 | 0.17 |
| 7 | 0.11 | 0.39 | 0.52 | 0.39 | 0.47 | 0.38 | 0.42 | 35 | 282 | 135 | 74 | 0.17 |
| 8 | 0.17 | 0.39 | 0.52 | 0.39 | 0.45 | 0.39 | 0.46 | 34 | 342 | 127 | 48 | 0.17 |
| 9 | 0.17 | 0.39 | 0.52 | 0.39 | 0.52 | 0.39 | 0.52 | 85 | 269 | 121 | 40 | 0.17 |
| 10 | 0.17 | 0.39 | 0.52 | 0.39 | 0.52 | 0.39 | 0.52 | 145 | 226 | 114 | 40 | 1.2 |
| 11 | 0.17 | 0.39 | 0.52 | 0.39 | 0.52 | 0.39 | 0.50 | 217 | 245 | 96 | 25 | 1.2 |
| 12 | 0.17 | 0.39 | 0.52 | 0.39 | 0.52 | 0.39 | 0.52 | 173 | 269 | 85 | 20 | 0.17 |
| 13 | 0.17 | 0.39 | 0.52 | 0.39 | 0.52 | 0.39 | 0.52 | 140 | 242 | 93 | 48 | 0.17 |
| 14 | 0.17 | 0.43 | 0.52 | 0.39 | 0.52 | 0.39 | 0.54 | 129 | 222 | 93 | 59 | 0.17 |
| 15 | 0.17 | 0.39 | 0.53 | 0.39 | 0.52 | 0.39 | 0.60 | 87 | 246 | 91 | 59 | 0.17 |
| 16 | 0.21 | 0.45 | 0.52 | 0.39 | 0.52 | 0.42 | 0.66 | 74 | 400 | 86 | 57 | 0.17 |
| 17 | 0.22 | 0.52 | 0.52 | 0.39 | 0.52 | 0.48 | 0.75 | 72 | 486 | 64 | 54 | 0.17 |
| 18 | 0.17 | 0.52 | 0.50 | 0.39 | 0.52 | 0.52 | 0.82 | 73 | 358 | 52 | 51 | 0.17 |
| 19 | 0.17 | 0.52 | 0.52 | 0.39 | 0.45 | 0.52 | 0.93 | 89 | 401 | 37 | 44 | 0.17 |
| 20 | 0.17 | 0.52 | 0.52 | 0.39 | 0.39 | 0.52 | 13 | 152 | 384 | 26 | 29 | 0.17 |
| 21 | 0.17 | 0.52 | 0.52 | 0.39 | 0.40 | 0.52 | 59 | 305 | 330 | 69 | 21 | 0.17 |
| 22 | 0.17 | 0.52 | 0.52 | 0.39 | 0.33 | 0.52 | 59 | 319 | 206 | 76 | 35 | 0.17 |
| 23 | 0.17 | 0.52 | 0.52 | 0.39 | 0.27 | 0.49 | 66 | 344 | 149 | 47 | 14 | 0.17 |
| 24 | 0.25 | 0.52 | 0.52 | 0.39 | 0.27 | 0.47 | 78 | 376 | 112 | 46 | 0.22 | 0.17 |
| 25 | 0.27 | 0.52 | 0.52 | 0.39 | 0.27 | 0.52 | 74 | 345 | 185 | 89 | 0.28 | 0.17 |
| 26 | 0.27 | 0.52 | 0.46 | 0.39 | 0.27 | 0.52 | 93 | 278 | 235 | 93 | 0.27 | 0.25 |
| 27 | 0.38 | 0.52 | 0.40 | 0.39 | 0.27 | 0.52 | 90 | 267 | 203 | 76 | 0.25 | 0.27 |
| 28 | 0.38 | 0.52 | 0.39 | 0.39 | 0.28 | 0.49 | 61 | 324 | 203 | 69 | 0.19 | 0.27 |
| 29 | 0.52 | 0.52 | 0.39 | 0.40 | --- | 0.50 | 52 | 419 | 208 | 72 | 0.17 | 0.21 |
| 30 | 0.39 | 0.52 | 0.39 | 0.46 | --- | 0.46 | 65 | 482 | 201 | 76 | 0.17 | 0.17 |
| 31 | 0.39 | --- | 0.39 | 0.39 | --- | 0.52 | --- | 361 | --- | 76 | 0.19 | --- |
| TOTAL | 6.80 | 13.74 | 15.41 | 12.17 | 12.16 | 13.50 | 720.87 | 5538 | 8069 | 3014 | 1225.74 | 8.52 |
| MEAN | 0.22 | 0.46 | 0.50 | 0.39 | 0.43 | 0.44 | 24.0 | 179 | 269 | 97.2 | 39.5 | 0.28 |
| AC-FT | 13 | 27 | 31 | 24 | 24 | 27 | 1430 | 10980 | 16000 | 5980 | 2430 | 17 |
| MAX | 0.52 | 0.52 | 0.53 | 0.46 | 0.52 | 0.52 | 93 | 482 | 486 | 195 | 93 | 1.2 |
| MIN | 0.11 | 0.39 | 0.39 | 0.39 | 0.27 | 0.27 | 0.42 | 16 | 112 | 26 | 0.17 | 0.17 |

CAL YR 1988 TOTAL 16239.07 MEAN 44.4 MAX 527 MIN 0.11 AC-FT 32210
WTR YR 1989 TOTAL 18649.90 MEAN 51.1 MAX 486 MIN 0.11 AC-FT 36990

MAX DISCH 584 CFS AT 2145 16-JUN-1989 GH 4.86 FT. SHIFT -0.01 FT. MAX GH 4.86 FT. AT 2145 16-JUN-1989



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO (1990)

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 12' Parshall flume.

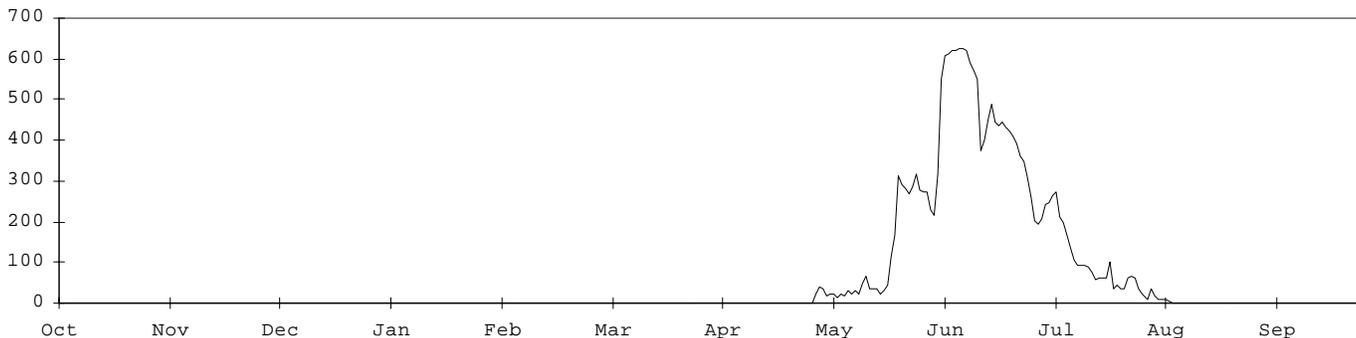
RATING TABLE.--TWITUNCO02 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|-------|-------|-------|-------|------|-------|------|-------|------|
| 1 | 0.17 | 0.99 | 1.4 | 1.2 | 1.1 | 0.84 | 0.75 | 22 | 273 | 203 | 13 | 1.4 |
| 2 | 0.26 | 0.99 | 1.4 | 1.1 | 1.1 | 0.83 | 0.82 | 41 | 227 | 192 | 9.6 | 1.4 |
| 3 | 0.28 | 0.99 | 1.4 | 1.2 | 1.00 | 0.82 | 0.78 | 37 | 215 | 206 | 37 | 1.4 |
| 4 | 0.47 | 1.00 | 1.4 | 1.2 | 0.99 | 0.82 | 0.66 | 19 | 315 | 243 | 17 | 1.4 |
| 5 | 0.52 | 1.0 | 1.4 | 1.2 | 1.00 | 0.82 | 0.66 | 23 | 551 | 247 | 10 | 1.4 |
| 6 | 0.61 | 1.2 | 1.4 | 1.2 | 1.00 | 0.82 | 0.66 | 21 | 606 | 266 | 8.7 | 1.4 |
| 7 | 0.66 | 1.2 | 1.4 | 1.1 | 0.99 | 0.82 | 0.66 | 13 | 613 | 271 | 9.4 | 1.4 |
| 8 | 0.77 | 1.2 | 1.4 | 1.1 | 0.99 | 0.82 | 0.67 | 24 | 619 | 213 | 5.3 | 1.4 |
| 9 | 0.82 | 1.2 | 1.4 | 1.1 | 0.99 | 0.82 | 0.66 | 18 | 622 | 197 | 1.2 | 1.4 |
| 10 | 0.92 | 1.2 | 1.4 | 1.0 | 0.99 | 0.82 | 0.66 | 29 | 625 | 166 | 1.4 | 1.4 |
| 11 | 0.99 | 1.2 | 1.4 | 1.0 | 0.99 | 0.82 | 0.66 | 24 | 624 | 136 | 1.4 | 1.4 |
| 12 | 0.99 | 1.2 | 1.4 | 1.0 | 0.99 | 0.82 | 0.66 | 29 | 620 | 106 | 1.4 | 1.4 |
| 13 | 0.99 | 1.2 | 1.4 | 1.1 | 0.99 | 0.82 | 0.71 | 20 | 592 | 91 | 1.6 | 1.4 |
| 14 | 0.99 | 1.3 | 1.4 | 1.2 | 0.99 | 0.83 | 0.71 | 49 | 574 | 93 | 1.6 | 1.4 |
| 15 | 0.99 | 1.3 | 1.4 | 1.2 | 1.2 | 0.82 | 0.73 | 65 | 549 | 92 | 1.6 | 1.4 |
| 16 | 0.98 | 1.3 | 1.4 | 1.1 | 1.2 | 0.82 | 0.75 | 34 | 376 | 90 | 1.4 | 1.4 |
| 17 | 0.99 | 1.4 | 1.4 | 1.2 | 0.99 | 0.82 | 0.68 | 36 | 401 | 73 | 1.4 | 1.4 |
| 18 | 1.2 | 1.4 | 1.3 | 1.2 | 0.99 | 0.82 | 0.71 | 36 | 450 | 56 | 1.4 | 1.4 |
| 19 | 1.1 | 1.4 | 1.2 | 1.2 | 1.2 | 0.82 | 0.66 | 20 | 490 | 60 | 1.4 | 1.4 |
| 20 | 1.1 | 1.4 | 1.2 | 1.2 | 0.99 | 0.82 | 0.66 | 32 | 446 | 62 | 1.3 | 1.4 |
| 21 | 1.1 | 1.4 | 1.2 | 1.2 | 0.99 | 0.82 | 0.82 | 43 | 435 | 63 | 1.2 | 1.4 |
| 22 | 1.0 | 1.4 | 1.2 | 1.2 | 0.99 | 0.81 | 0.90 | 113 | 444 | 102 | 1.2 | 1.4 |
| 23 | 1.00 | 1.4 | 1.2 | 1.2 | 0.96 | 0.78 | 0.99 | 168 | 432 | 36 | 1.2 | 1.4 |
| 24 | 0.91 | 1.4 | 1.2 | 1.1 | 0.89 | 0.74 | 0.99 | 314 | 423 | 46 | 1.2 | 1.4 |
| 25 | 0.93 | 1.4 | 1.2 | 1.0 | 0.83 | 0.71 | 0.99 | 290 | 411 | 37 | 1.2 | 1.2 |
| 26 | 0.99 | 1.4 | 1.2 | 1.1 | 0.82 | 0.69 | 0.99 | 282 | 390 | 35 | 1.3 | 1.2 |
| 27 | 0.99 | 1.4 | 1.2 | 0.99 | 0.82 | 0.69 | 0.99 | 270 | 362 | 61 | 1.4 | 1.2 |
| 28 | 0.99 | 1.3 | 1.2 | 1.00 | 0.82 | 0.72 | 0.99 | 285 | 347 | 68 | 1.4 | 1.2 |
| 29 | 0.99 | 1.4 | 1.2 | 1.0 | --- | 0.75 | 0.99 | 318 | 308 | 63 | 1.4 | 1.2 |
| 30 | 0.99 | 1.4 | 1.2 | 0.99 | --- | 0.82 | 0.99 | 279 | 259 | 37 | 1.4 | 1.4 |
| 31 | 0.99 | --- | 1.2 | 0.99 | --- | 0.82 | --- | 271 | --- | 20 | 1.4 | --- |
| TOTAL | 26.66 | 37.97 | 40.7 | 34.57 | 27.80 | 24.80 | 23.54 | 3225 | 13599 | 3631 | 141.4 | 41.0 |
| MEAN | 0.86 | 1.27 | 1.31 | 1.12 | 0.99 | 0.80 | 0.78 | 104 | 453 | 117 | 4.56 | 1.37 |
| AC-FT | 53 | 75 | 81 | 69 | 55 | 49 | 47 | 6400 | 26970 | 7200 | 280 | 81 |
| MAX | 1.2 | 1.4 | 1.4 | 1.2 | 1.2 | 0.84 | 0.99 | 318 | 625 | 271 | 37 | 1.4 |
| MIN | 0.17 | 0.99 | 1.2 | 0.99 | 0.82 | 0.69 | 0.66 | 13 | 215 | 20 | 1.2 | 1.2 |

CAL YR 1989 TOTAL 18719.29 MEAN 51.3 MAX 486 MIN 0.17 AC-FT 37130
WTR YR 1990 TOTAL 20853.44 MEAN 57.1 MAX 625 MIN 0.17 AC-FT 41360

MAX DISCH 632 CFS AT 1715 10-JUN-1990 GH 5.10 FT. SHIFT -0.01 FT. MAX GH 5.10 FT. AT 1715 10-JUN-1990



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO (1983)

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

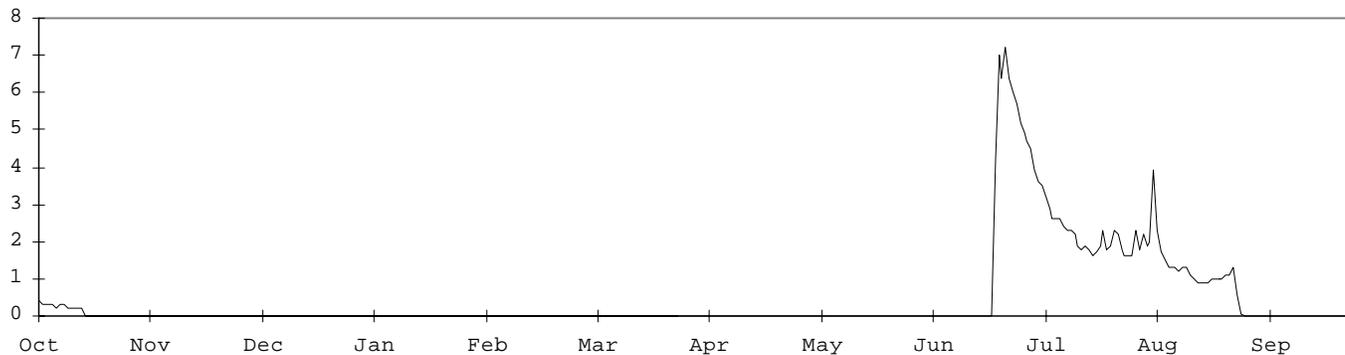
RATING TABLE.--LARDITCO01 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-----|-----|-----|-----|-----|-----|-----|------|------|-------|-----|
| 1 | 0.42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 2.3 | 0.0 |
| 2 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 1.8 | 0.0 |
| 3 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 2.2 | 0.0 |
| 4 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 1.9 | 0.0 |
| 5 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 2.0 | 0.0 |
| 6 | 0.19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 3.9 | 0.0 |
| 7 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 2.3 | 0.0 |
| 8 | 0.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 1.7 | 0.0 |
| 9 | 0.19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 1.5 | 0.0 |
| 10 | 0.19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 1.3 | 0.0 |
| 11 | 0.19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 1.3 | 0.0 |
| 12 | 0.19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 1.3 | 0.0 |
| 13 | 0.19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 1.2 | 0.0 |
| 14 | 0.02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 1.3 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 1.3 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 1.1 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.98 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.89 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.89 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.89 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.89 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.98 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 2.3 | 0.98 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 1.8 | 0.98 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 1.9 | 0.98 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 2.3 | 1.1 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 2.2 | 1.1 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 1.8 | 1.3 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 5.7 | 1.6 | 0.56 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 5.2 | 1.6 | 0.06 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 1.6 | 0.0 | --- |
| TOTAL | 3.38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 48.1 | 77.9 | 40.98 | 0.0 |
| MEAN | 0.11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.60 | 2.51 | 1.32 | 0.0 |
| AC-FT | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 95 | 155 | 81 | 0.0 |
| MAX | 0.42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 4.9 | 3.9 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 |

CAL YR 1982 TOTAL 63.91 MEAN 0.18 MAX 1.8 MIN 0.00 AC-FT 127
WTR YR 1983 TOTAL 170.36 MEAN 0.47 MAX 7.2 MIN 0.00 AC-FT 338

MAX DISCH 16 CFS AT 2000 06-AUG-1983 GH 1.05 FT. SHIFT -0.04 FT. MAX GH 1.05 FT. AT 2000 06-AUG-1983



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO (1984)

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

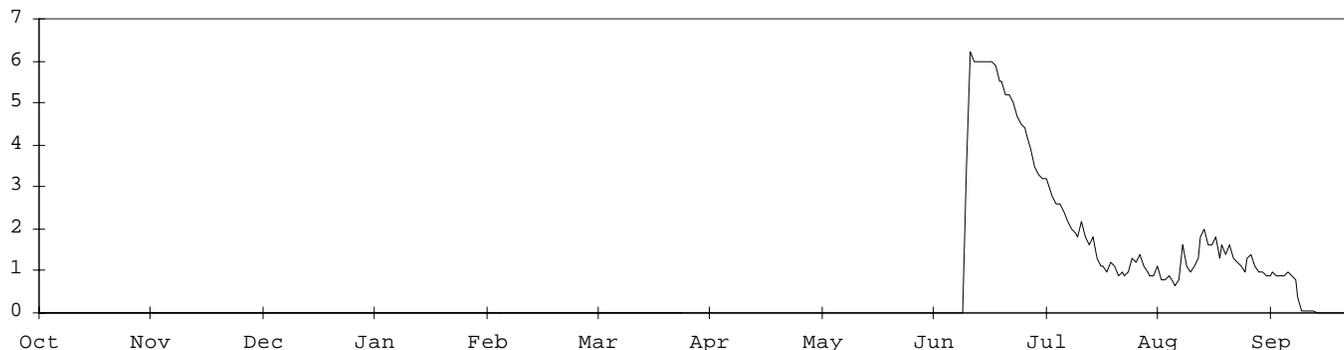
RATING TABLE.--LARDITC001 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 1.4 | 1.4 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 1.1 | 1.1 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.98 | 0.98 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.89 | 0.98 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.89 | 0.89 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 1.1 | 0.89 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.80 | 0.98 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.80 | 0.89 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.89 | 0.89 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.72 | 0.89 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 0.64 | 0.98 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.80 | 0.89 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 1.6 | 0.80 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 1.9 | 1.1 | 0.36 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 1.8 | 0.98 | 0.06 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 2.2 | 1.1 | 0.06 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 1.8 | 1.3 | 0.06 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 1.6 | 1.8 | 0.03 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 1.8 | 2.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 1.3 | 1.6 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 1.1 | 1.6 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 1.1 | 1.8 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.98 | 1.3 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 1.2 | 1.6 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 1.1 | 1.4 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 0.89 | 1.6 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.98 | 1.3 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 0.89 | 1.2 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 0.98 | 1.1 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 4.4 | 1.3 | 0.98 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 1.2 | 1.3 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 91.6 | 62.92 | 37.67 | 13.13 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.05 | 2.03 | 1.22 | 0.44 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 182 | 125 | 75 | 26 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 4.2 | 2.0 | 1.4 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 0.64 | 0.0 |

CAL YR 1983 TOTAL 166.98 MEAN 0.46 MAX 7.2 MIN 0.00 AC-FT 331
WTR YR 1984 TOTAL 205.32 MEAN 0.56 MAX 6.2 MIN 0.00 AC-FT 407

MAX DISCH 7.0 CFS AT 0900 16-JUN-1984 GH 0.59 FT. SHIFT 0.00 FT. MAX GH 0.59 FT. AT 0900 16-JUN-1984



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO (1985)

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

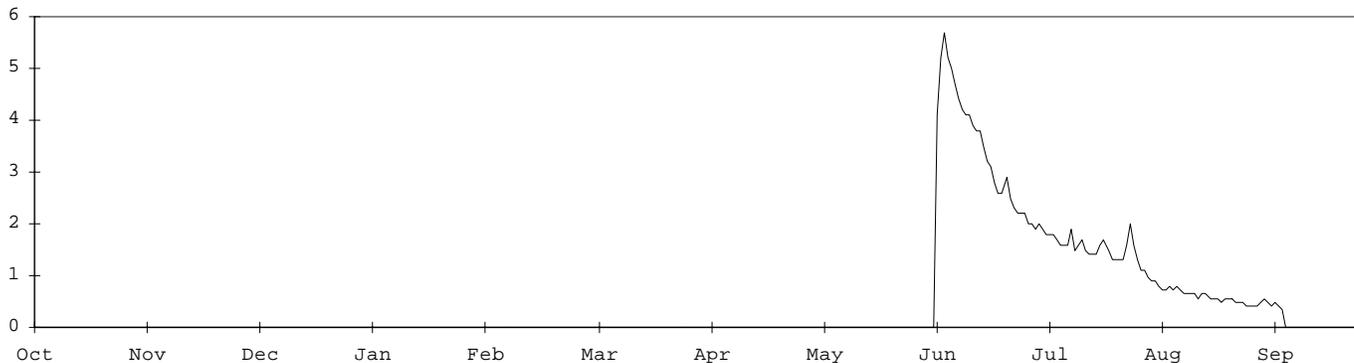
RATING TABLE.--LARDITCO01 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-------|------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 1.1 | 0.42 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 1.1 | 0.42 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.98 | 0.49 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.89 | 0.56 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.89 | 0.49 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 1.8 | 0.80 | 0.42 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 1.8 | 0.72 | 0.49 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 1.8 | 0.72 | 0.42 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 1.7 | 0.80 | 0.36 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 1.6 | 0.72 | 0.01 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 1.6 | 0.80 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 1.6 | 0.72 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 1.9 | 0.64 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 1.5 | 0.64 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 1.6 | 0.64 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 1.7 | 0.64 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 1.5 | 0.56 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 1.4 | 0.64 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 1.4 | 0.64 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 1.4 | 0.56 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 1.6 | 0.56 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 1.7 | 0.56 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 1.5 | 0.49 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 1.3 | 0.56 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 1.3 | 0.56 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 1.3 | 0.56 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 1.3 | 0.49 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 1.6 | 0.49 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 2.2 | 2.0 | 0.49 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 2.2 | 1.6 | 0.42 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 1.3 | 0.42 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90.3 | 50.6 | 20.80 | 4.08 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.01 | 1.63 | 0.67 | 0.14 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 179 | 100 | 41 | 8.1 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 2.0 | 1.1 | 0.56 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.42 | 0.0 |

CAL YR 1984 TOTAL 211.32 MEAN 0.58 MAX 6.2 MIN 0.00 AC-FT 419
WTR YR 1985 TOTAL 165.78 MEAN 0.45 MAX 5.7 MIN 0.00 AC-FT 329

MAX DISCH 8.5 CFS AT 1800 08-JUN-1985 GH 0.72 FT. SHIFT -.05 FT. MAX GH 0.72 FT. AT 1800 08-JUN-1985



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO (1986)

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

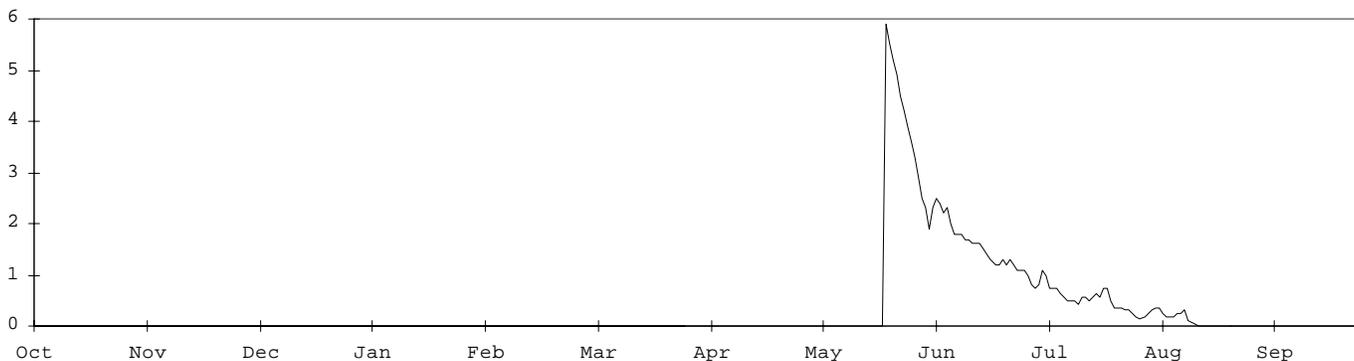
RATING TABLE.--LARDITC001 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|------|------|-------|------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.98 | 0.14 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.80 | 0.19 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.72 | 0.24 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.80 | 0.30 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 1.1 | 0.36 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.98 | 0.36 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 0.72 | 0.24 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.72 | 0.19 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.72 | 0.19 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.64 | 0.19 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.56 | 0.24 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.49 | 0.24 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.49 | 0.30 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.49 | 0.10 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.42 | 0.06 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.56 | 0.03 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.56 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.49 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.56 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.64 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.56 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.72 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 1.2 | 0.72 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 1.3 | 0.49 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 1.2 | 0.36 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 1.3 | 0.36 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 1.2 | 0.36 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 1.1 | 0.30 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 3.9 | 1.1 | 0.30 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 3.6 | 1.1 | 0.24 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 3.3 | --- | 0.19 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 41.0 | 51.8 | 18.04 | 3.37 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.32 | 1.73 | 0.58 | 0.11 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 81 | 103 | 36 | 6.7 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 2.9 | 1.1 | 0.36 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.19 | 0.0 | 0.0 |

CAL YR 1985 TOTAL 165.78 MEAN 0.45 MAX 5.7 MIN 0.00 AC-FT 329
WTR YR 1986 TOTAL 114.21 MEAN 0.31 MAX 5.9 MIN 0.00 AC-FT 227

MAX DISCH 5.9[EST] CFS AT 23-MAY-1986 GH 0.60 FT. SHIFT -.07 FT. MAX GH 0.60 FT. AT 23-MAY-1986



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO (1987)

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

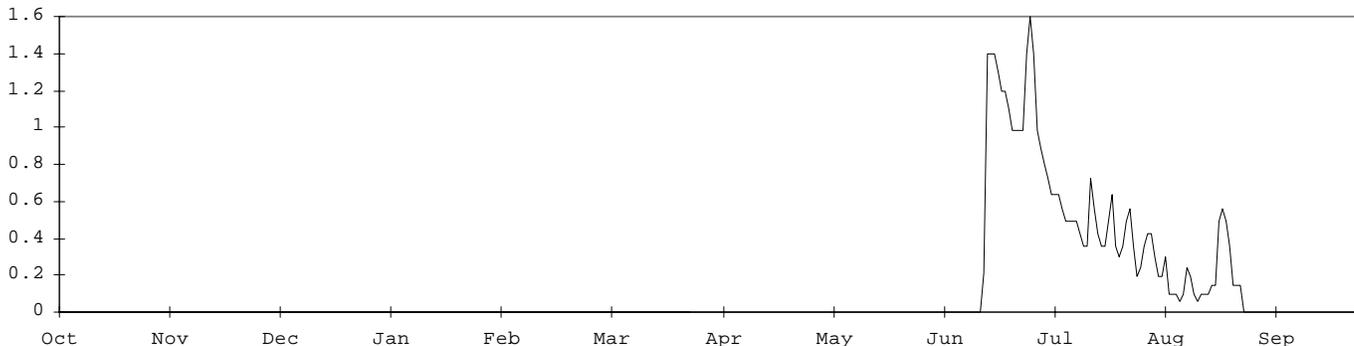
RATING TABLE.--LARDITC001 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|------|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.36 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 0.42 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.89 | 0.42 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 0.30 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 0.19 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.19 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.30 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.10 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 0.10 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 0.10 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 0.06 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 0.10 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.49 | 0.24 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 0.19 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 0.10 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 0.06 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.21 | 0.72 | 0.10 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.56 | 0.10 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.42 | 0.10 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.36 | 0.14 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.36 | 0.14 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.49 | 0.49 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.64 | 0.56 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.36 | 0.49 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 0.30 | 0.36 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 0.36 | 0.14 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 0.49 | 0.14 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 0.56 | 0.14 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 1.4 | 0.36 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 1.6 | 0.19 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 0.24 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.13 | 16.78 | 6.13 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.54 | 0.54 | 0.20 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32 | 33 | 12 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 1.4 | 0.56 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.19 | 0.0 | 0.0 |

CAL YR 1986 TOTAL 114.21 MEAN 0.31 MAX 5.9 MIN 0.00 AC-FT 227
WTR YR 1987 TOTAL 39.04 MEAN 0.11 MAX 1.6 MIN 0.00 AC-FT 77

MAX DISCH 2.65 CFS AT 2000 29-JUN-1987 GH 0.37 FT. SHIFT -.05 FT. MAX GH 0.37 FT. AT 2000 29-JUN-1987



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO (1988)

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

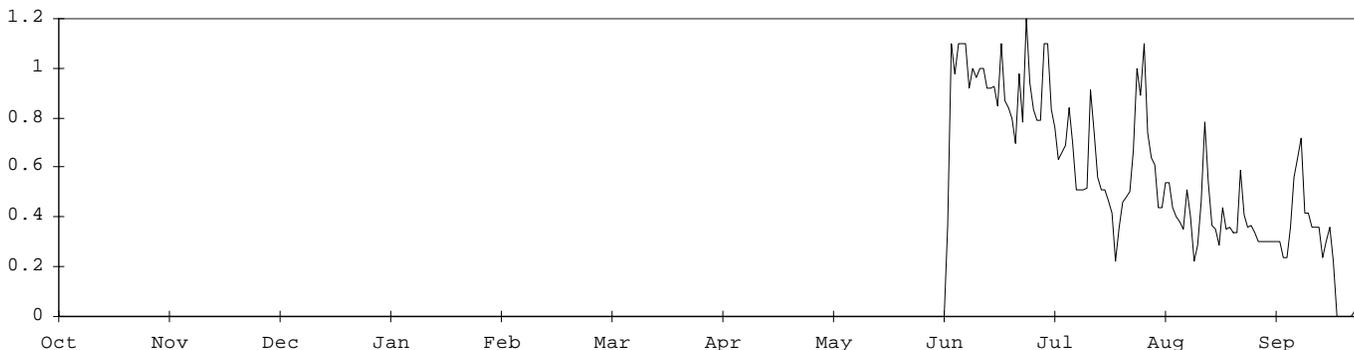
RATING TABLE.--LARDITCO01 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|------|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.79 | 0.74 | 0.30 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.79 | 0.64 | 0.30 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.61 | 0.30 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.44 | 0.30 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.83 | 0.44 | 0.30 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.37 | 0.76 | 0.54 | 0.30 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.63 | 0.54 | 0.30 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 0.66 | 0.44 | 0.24 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.69 | 0.40 | 0.24 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.84 | 0.38 | 0.36 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.70 | 0.35 | 0.56 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.92 | 0.51 | 0.51 | 0.64 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.51 | 0.40 | 0.72 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.96 | 0.51 | 0.22 | 0.42 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.52 | 0.29 | 0.42 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.91 | 0.46 | 0.36 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.92 | 0.74 | 0.78 | 0.36 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.92 | 0.56 | 0.54 | 0.36 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.93 | 0.51 | 0.37 | 0.24 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.85 | 0.51 | 0.35 | 0.30 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.47 | 0.29 | 0.36 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.87 | 0.42 | 0.44 | 0.22 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.84 | 0.22 | 0.35 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 0.36 | 0.36 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.70 | 0.46 | 0.34 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | 0.48 | 0.34 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.78 | 0.50 | 0.59 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.67 | 0.41 | 0.02 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.94 | 1.0 | 0.36 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.83 | 0.89 | 0.37 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 1.1 | 0.34 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.30 | 20.73 | 13.67 | 7.92 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.78 | 0.67 | 0.44 | 0.26 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46 | 41 | 27 | 16 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.1 | 0.78 | 0.72 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.22 | 0.22 | 0.0 |

CAL YR 1987 TOTAL 39.04 MEAN 0.11 MAX 1.6 MIN 0.00 AC-FT 77
WTR YR 1988 TOTAL 65.62 MEAN 0.18 MAX 1.2 MIN 0.00 AC-FT 130

MAX DISCH 2.8 CFS AT 1945 29-JUL-1988 GH 0.38 FT. SHIFT -0.05 FT. MAX GH 0.38 FT. AT 1945 29-JUL-1988



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO (1989)

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

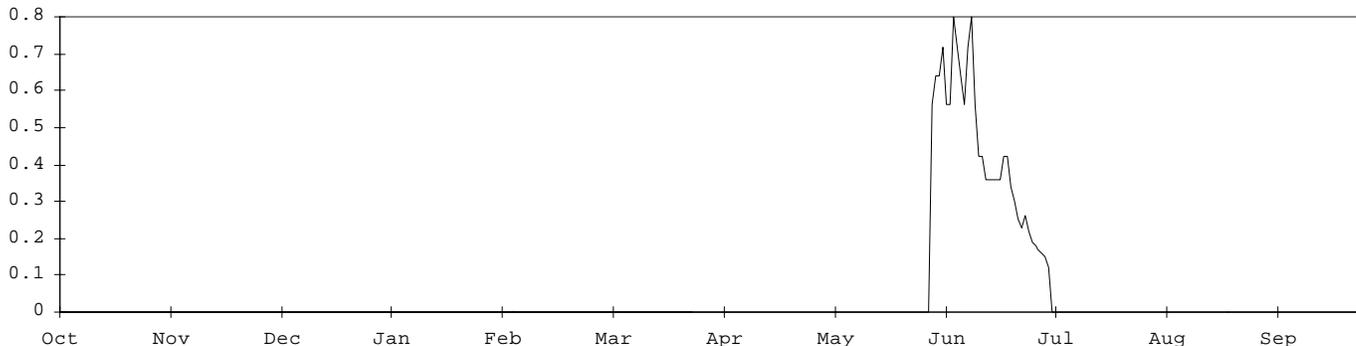
RATING TABLE.--LARDITCO01 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|-----|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.18 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 0.17 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.16 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.15 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 0.12 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.72 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 0.0 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 0.0 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.36 | 0.0 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 0.0 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.42 | 0.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.34 | 0.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.30 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.25 | 0.0 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.23 | 0.0 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.26 | 0.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.22 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.19 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.75 | 0.78 | 0.0 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.46 | 0.03 | 0.0 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27 | 1.5 | 0.0 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.80 | 0.18 | 0.0 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CAL YR 1988 TOTAL 65.62 MEAN 0.18 MAX 1.2 MIN 0.00 AC-FT 130
WTR YR 1989 TOTAL 14.53 MEAN 0.04 MAX 0.80 MIN 0.00 AC-FT 29

MAX DISCH 1.1 CFS AT 2345 07-JUN-1989 GH 0.24 FT. SHIFT -0.06 FT. MAX GH 0.24 FT. AT 2345 07-JUN-1989



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO (1990)

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Water-stage recorder at 4' Parshall flume.

REMARKS.--Record good.

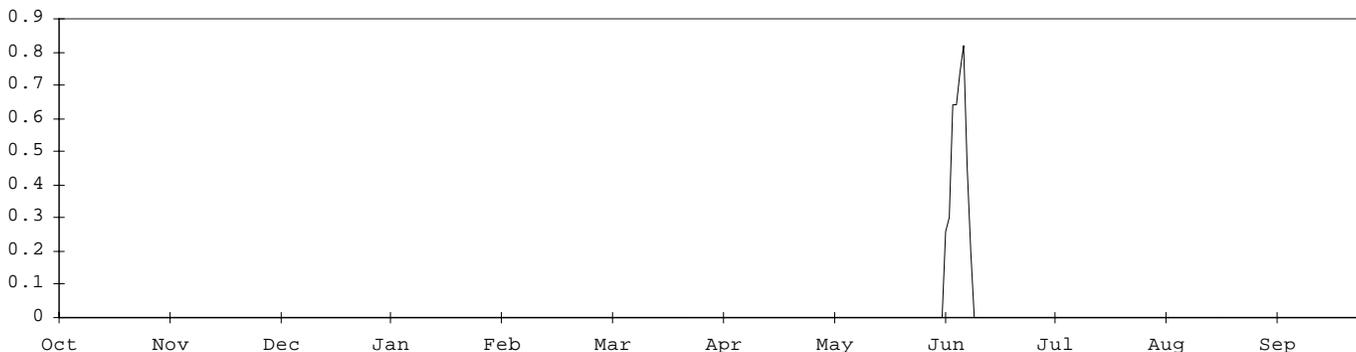
RATING TABLE.--LARDITC001 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
| 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.26 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.30 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.64 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.74 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.46 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.20 | 0.0 | 0.0 | 0.0 |
| 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | --- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.0 | --- | 0.0 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.06 | 0.0 | 0.0 | 0.0 |
| MEAN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.14 | 0.0 | 0.0 | 0.0 |
| AC-FT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 0.0 | 0.0 | 0.0 |
| MAX | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.82 | 0.0 | 0.0 | 0.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CAL YR 1989 TOTAL 14.53 MEAN 0.04 MAX 0.80 MIN 0.00 AC-FT 29
WTR YR 1990 TOTAL 4.06 MEAN 0.01 MAX 0.82 MIN 0.00 AC-FT 8.0

MAX DISCH 2.4 CFS AT 2330 10-JUN-1990 GH 0.34 FT. SHIFT -0.04 FT. MAX GH 0.34 FT. AT 2330 10-JUN-1990



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO (1983)

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is a 9.8 ft wide sharp crested concrete weir. Datum of gage is 9,945 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Oct. 21, 1982-Apr. 8, 1983; clock stopped from Apr. 8-May 10, 16-25. Transmountain diversion above station diverted May 25-Sept. 16 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

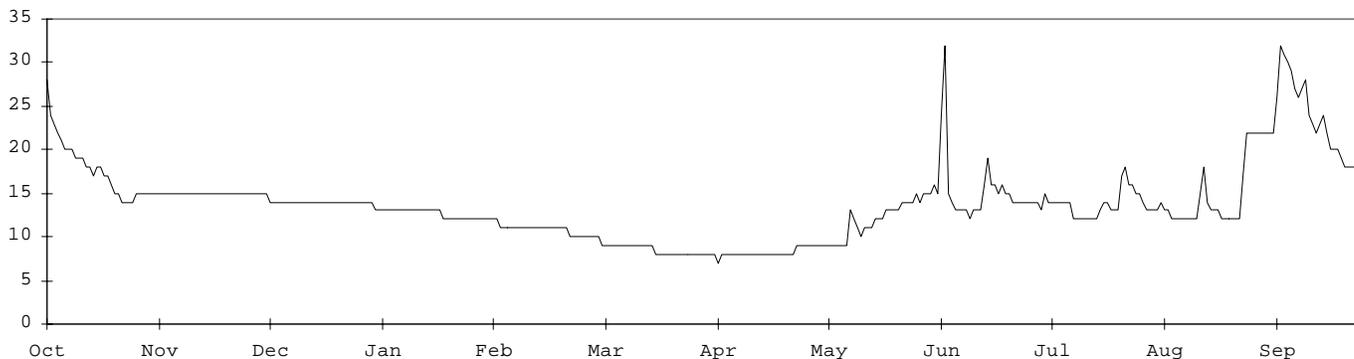
RATING TABLE.--FRYIVLC008 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|-------|-------|-------|------|------|------|------|
| 1 | 28 | 15 | 15 | 13 | 12 | 10 | 8.0 | 9.0 | 15 | 14 | 14 | 22 |
| 2 | 24 | 15 | 14 | 13 | 12 | 10 | 8.0 | 9.0 | 15 | 14 | 13 | 22 |
| 3 | 23 | 15 | 14 | 13 | 12 | 10 | 8.0 | 9.0 | 15 | 14 | 13 | 22 |
| 4 | 22 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 9.0 | 16 | 13 | 13 | 22 |
| 5 | 21 | 15 | 14 | 13 | 11 | 9.0 | 7.0 | 9.0 | 15 | 15 | 13 | 22 |
| 6 | 20 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 9.0 | 24 | 14 | 14 | 22 |
| 7 | 20 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 9.0 | 32 | 14 | 13 | 26 |
| 8 | 20 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 9.0 | 15 | 14 | 13 | 32 |
| 9 | 19 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 9.0 | 14 | 14 | 12 | 31 |
| 10 | 19 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 9.0 | 13 | 14 | 12 | 30 |
| 11 | 19 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 9.0 | 13 | 14 | 12 | 29 |
| 12 | 18 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 13 | 13 | 14 | 12 | 27 |
| 13 | 18 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 12 | 13 | 12 | 12 | 26 |
| 14 | 17 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 11 | 12 | 12 | 12 | 27 |
| 15 | 18 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 10 | 13 | 12 | 12 | 28 |
| 16 | 18 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 11 | 13 | 12 | 12 | 24 |
| 17 | 17 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 11 | 13 | 12 | 15 | 23 |
| 18 | 17 | 15 | 14 | 13 | 11 | 9.0 | 8.0 | 11 | 16 | 12 | 18 | 22 |
| 19 | 16 | 15 | 14 | 12 | 11 | 8.0 | 8.0 | 12 | 19 | 12 | 14 | 23 |
| 20 | 15 | 15 | 14 | 12 | 11 | 8.0 | 8.0 | 12 | 16 | 13 | 13 | 24 |
| 21 | 15 | 15 | 14 | 12 | 11 | 8.0 | 8.0 | 12 | 16 | 14 | 13 | 22 |
| 22 | 14 | 15 | 14 | 12 | 11 | 8.0 | 8.0 | 13 | 15 | 14 | 13 | 20 |
| 23 | 14 | 15 | 14 | 12 | 10 | 8.0 | 8.0 | 13 | 16 | 13 | 12 | 20 |
| 24 | 14 | 15 | 14 | 12 | 10 | 8.0 | 8.0 | 13 | 15 | 13 | 12 | 20 |
| 25 | 14 | 15 | 14 | 12 | 10 | 8.0 | 8.0 | 13 | 15 | 13 | 12 | 19 |
| 26 | 15 | 15 | 14 | 12 | 10 | 8.0 | 8.0 | 14 | 14 | 17 | 12 | 18 |
| 27 | 15 | 15 | 14 | 12 | 10 | 8.0 | 9.0 | 14 | 14 | 18 | 12 | 18 |
| 28 | 15 | 15 | 14 | 12 | 10 | 8.0 | 9.0 | 14 | 14 | 16 | 12 | 18 |
| 29 | 15 | 15 | 14 | 12 | --- | 8.0 | 9.0 | 14 | 14 | 16 | 17 | 18 |
| 30 | 15 | 15 | 14 | 12 | --- | 8.0 | 9.0 | 15 | 14 | 15 | 22 | 18 |
| 31 | 15 | --- | 13 | 12 | --- | 8.0 | --- | 14 | --- | 15 | 22 | --- |
| TOTAL | 550 | 450 | 434 | 390 | 305 | 269.0 | 243.0 | 351.0 | 462 | 429 | 421 | 695 |
| MEAN | 17.7 | 15.0 | 14.0 | 12.6 | 10.9 | 8.68 | 8.10 | 11.3 | 15.4 | 13.8 | 13.6 | 23.2 |
| AC-FT | 1090 | 893 | 861 | 774 | 605 | 534 | 482 | 696 | 916 | 851 | 835 | 1380 |
| MAX | 28 | 15 | 15 | 13 | 12 | 10 | 9.0 | 15 | 32 | 18 | 22 | 32 |
| MIN | 14 | 15 | 13 | 12 | 10 | 8.0 | 7.0 | 9.0 | 12 | 12 | 12 | 18 |

CAL YR 1982 TOTAL 1434 MEAN 3.93 MAX 28 MIN 13 AC-FT 2840
WTR YR 1983 TOTAL 4999.0 MEAN 13.7 MAX 32 MIN 7.0 AC-FT 9920

MAX DISCH 134 CFS AT 1900 19-JUN-1983 GH 2.55 FT. SHIFT 0.00 FT. MAX GH 2.55 FT. AT 1900 19-JUN-1983



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO (1984)

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is a 9.8 ft wide sharp crested concrete weir. Datum of gage is 9,945 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 8, 1983-Apr.17, 1984. Transmountain diversion above station diverted May 14-Sept. 30, through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

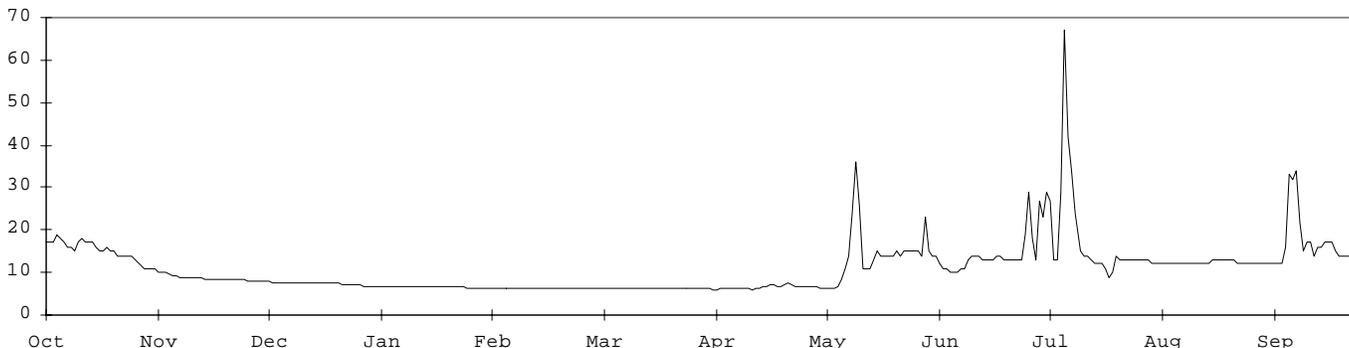
RATING TABLE.--FRYIVLC008 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| 1 | 17 | 10 | 7.8 | 6.8 | 6.4 | 6.2 | 6.2 | 6.8 | 23 | 18 | 13 | 12 |
| 2 | 17 | 10 | 7.8 | 6.8 | 6.4 | 6.2 | 6.2 | 6.5 | 15 | 13 | 13 | 12 |
| 3 | 17 | 10 | 7.6 | 6.8 | 6.4 | 6.2 | 6.0 | 6.2 | 14 | 27 | 12 | 12 |
| 4 | 19 | 9.7 | 7.6 | 6.8 | 6.4 | 6.2 | 6.0 | 6.2 | 14 | 23 | 12 | 12 |
| 5 | 18 | 9.4 | 7.6 | 6.8 | 6.4 | 6.2 | 6.2 | 6.2 | 12 | 29 | 12 | 12 |
| 6 | 17 | 9.4 | 7.6 | 6.7 | 6.4 | 6.2 | 6.2 | 6.2 | 11 | 27 | 12 | 12 |
| 7 | 16 | 9.0 | 7.6 | 6.7 | 6.4 | 6.2 | 6.2 | 6.2 | 11 | 13 | 12 | 12 |
| 8 | 16 | 8.8 | 7.6 | 6.7 | 6.4 | 6.2 | 6.2 | 6.5 | 10 | 13 | 12 | 12 |
| 9 | 15 | 8.6 | 7.6 | 6.7 | 6.3 | 6.2 | 6.4 | 8.4 | 10 | 29 | 12 | 16 |
| 10 | 17 | 8.8 | 7.6 | 6.6 | 6.3 | 6.2 | 6.2 | 11 | 10 | 67 | 12 | 33 |
| 11 | 18 | 8.8 | 7.6 | 6.6 | 6.3 | 6.2 | 6.4 | 14 | 11 | 42 | 12 | 32 |
| 12 | 17 | 8.6 | 7.6 | 6.6 | 6.3 | 6.2 | 6.2 | 24 | 11 | 34 | 12 | 34 |
| 13 | 17 | 8.6 | 7.6 | 6.6 | 6.3 | 6.2 | 6.2 | 36 | 13 | 24 | 12 | 22 |
| 14 | 17 | 8.4 | 7.6 | 6.6 | 6.3 | 6.2 | 6.0 | 26 | 14 | 15 | 12 | 15 |
| 15 | 16 | 8.4 | 7.6 | 6.6 | 6.3 | 6.2 | 6.2 | 11 | 14 | 14 | 12 | 17 |
| 16 | 15 | 8.4 | 7.4 | 6.6 | 6.3 | 6.2 | 6.4 | 11 | 14 | 14 | 12 | 17 |
| 17 | 15 | 8.4 | 7.4 | 6.6 | 6.3 | 6.2 | 6.5 | 11 | 13 | 13 | 12 | 14 |
| 18 | 16 | 8.4 | 7.4 | 6.6 | 6.3 | 6.2 | 6.8 | 13 | 13 | 12 | 12 | 16 |
| 19 | 15 | 8.2 | 7.4 | 6.6 | 6.2 | 6.2 | 7.1 | 15 | 13 | 12 | 12 | 16 |
| 20 | 15 | 8.2 | 7.4 | 6.6 | 6.2 | 6.2 | 7.1 | 14 | 13 | 12 | 13 | 17 |
| 21 | 14 | 8.2 | 7.4 | 6.5 | 6.2 | 6.2 | 6.8 | 14 | 14 | 11 | 13 | 17 |
| 22 | 14 | 8.2 | 7.2 | 6.5 | 6.2 | 6.2 | 6.8 | 14 | 14 | 8.7 | 13 | 17 |
| 23 | 14 | 8.2 | 7.2 | 6.5 | 6.2 | 6.2 | 7.1 | 14 | 13 | 9.9 | 13 | 15 |
| 24 | 14 | 8.2 | 7.2 | 6.5 | 6.2 | 6.2 | 7.4 | 15 | 13 | 14 | 13 | 14 |
| 25 | 14 | 8.2 | 7.0 | 6.5 | 6.2 | 6.2 | 7.1 | 14 | 13 | 13 | 13 | 14 |
| 26 | 13 | 8.0 | 7.0 | 6.4 | 6.2 | 6.2 | 6.8 | 15 | 13 | 13 | 13 | 14 |
| 27 | 12 | 8.0 | 7.0 | 6.4 | 6.2 | 6.2 | 6.8 | 15 | 13 | 13 | 12 | 14 |
| 28 | 11 | 8.0 | 6.8 | 6.4 | 6.2 | 6.2 | 6.8 | 15 | 13 | 13 | 12 | 14 |
| 29 | 11 | 8.0 | 6.8 | 6.4 | 6.2 | 6.2 | 6.8 | 15 | 19 | 13 | 12 | 13 |
| 30 | 11 | 8.0 | 6.8 | 6.4 | --- | 6.2 | 6.8 | 15 | 29 | 13 | 12 | 13 |
| 31 | 11 | --- | 6.8 | 6.4 | --- | 6.2 | --- | 14 | --- | 13 | 12 | --- |
| TOTAL | 469 | 259.1 | 228.6 | 204.3 | 182.4 | 192.2 | 195.9 | 405.2 | 413 | 585.6 | 381 | 490 |
| MEAN | 15.1 | 8.64 | 7.37 | 6.59 | 6.29 | 6.20 | 6.53 | 13.1 | 13.8 | 18.9 | 12.3 | 16.3 |
| AC-FT | 930 | 514 | 453 | 405 | 362 | 381 | 389 | 804 | 819 | 1160 | 756 | 972 |
| MAX | 19 | 10 | 7.8 | 6.8 | 6.4 | 6.2 | 7.4 | 36 | 29 | 67 | 13 | 34 |
| MIN | 11 | 8.0 | 6.8 | 6.4 | 6.2 | 6.2 | 6.0 | 6.2 | 10 | 8.7 | 12 | 12 |

CAL YR 1983 TOTAL 4521.7 MEAN 12.4 MAX 32 MIN 6.8 AC-FT 8970
WTR YR 1984 TOTAL 4006.3 MEAN 10.9 MAX 67 MIN 6.0 AC-FT 7950

MAX DISCH 80 CFS AT 2130 30-JUN-1984 GH 1.96 FT. SHIFT 0.01 FT. MAX GH 1.96 FT. AT 2130 30-JUN-1984



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO (1985)

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is a 9.8 ft wide sharp crested concrete weir. Datum of gage is 9,945 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected or frozen from Oct. 18, 1984-Apr. 23, 1985. Transmountain diversions above station diverted Oct. 1-Nov. 13, 1984, Apr. 23-Aug. 23, 1985 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

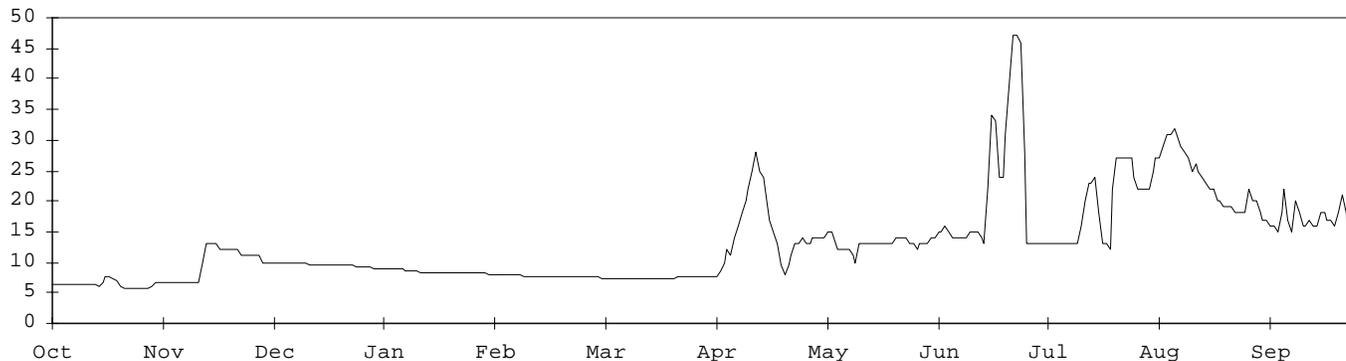
RATING TABLE.--FRYIVLCO08 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1 | 9.4 | 6.8 | 10 | 9.0 | 8.0 | 7.6 | 7.6 | 13 | 12 | 28 | 24 | 18 |
| 2 | 6.5 | 6.8 | 10 | 8.8 | 8.0 | 7.6 | 7.6 | 13 | 13 | 13 | 22 | 22 |
| 3 | 6.5 | 6.8 | 10 | 8.8 | 8.0 | 7.6 | 7.6 | 14 | 13 | 13 | 22 | 20 |
| 4 | 6.5 | 6.8 | 10 | 8.8 | 8.0 | 7.6 | 7.6 | 14 | 13 | 13 | 22 | 20 |
| 5 | 6.5 | 6.8 | 10 | 8.8 | 8.0 | 7.4 | 7.6 | 14 | 14 | 13 | 22 | 18 |
| 6 | 6.5 | 6.6 | 9.8 | 8.8 | 8.0 | 7.4 | 7.6 | 14 | 14 | 13 | 25 | 17 |
| 7 | 6.5 | 6.6 | 9.8 | 8.8 | 8.0 | 7.4 | 8.6 | 15 | 15 | 13 | 27 | 17 |
| 8 | 6.5 | 6.6 | 9.8 | 8.8 | 8.0 | 7.4 | 10 | 15 | 15 | 13 | 27 | 16 |
| 9 | 6.5 | 6.6 | 9.8 | 8.6 | 8.0 | 7.4 | 12 | 14 | 16 | 13 | 29 | 16 |
| 10 | 6.5 | 6.6 | 9.8 | 8.6 | 8.0 | 7.4 | 11 | 12 | 15 | 13 | 31 | 15 |
| 11 | 6.5 | 6.6 | 9.8 | 8.6 | 7.8 | 7.4 | 14 | 12 | 14 | 13 | 31 | 18 |
| 12 | 6.5 | 6.6 | 9.8 | 8.6 | 7.8 | 7.4 | 16 | 12 | 14 | 13 | 32 | 22 |
| 13 | 6.5 | 10 | 9.6 | 8.4 | 7.8 | 7.4 | 18 | 12 | 14 | 13 | 31 | 17 |
| 14 | 6.5 | 13 | 9.6 | 8.4 | 7.8 | 7.4 | 20 | 11 | 14 | 13 | 29 | 15 |
| 15 | 6.2 | 13 | 9.6 | 8.4 | 7.8 | 7.4 | 22 | 10 | 14 | 13 | 28 | 20 |
| 16 | 6.8 | 13 | 9.6 | 8.4 | 7.8 | 7.4 | 25 | 13 | 15 | 13 | 27 | 18 |
| 17 | 7.8 | 13 | 9.6 | 8.4 | 7.8 | 7.4 | 28 | 13 | 15 | 16 | 25 | 16 |
| 18 | 7.6 | 12 | 9.6 | 8.4 | 7.8 | 7.4 | 25 | 13 | 15 | 20 | 26 | 16 |
| 19 | 7.4 | 12 | 9.6 | 8.4 | 7.8 | 7.4 | 24 | 13 | 14 | 23 | 25 | 17 |
| 20 | 7.0 | 12 | 9.6 | 8.4 | 7.8 | 7.4 | 19 | 13 | 13 | 23 | 24 | 16 |
| 21 | 6.0 | 12 | 9.6 | 8.4 | 7.8 | 7.4 | 17 | 13 | 22 | 24 | 23 | 16 |
| 22 | 5.6 | 12 | 9.6 | 8.4 | 7.8 | 7.4 | 15 | 13 | 34 | 18 | 22 | 18 |
| 23 | 5.6 | 12 | 9.4 | 8.4 | 7.8 | 7.4 | 13 | 13 | 33 | 13 | 22 | 18 |
| 24 | 5.6 | 11 | 9.4 | 8.4 | 7.8 | 7.4 | 9.7 | 13 | 24 | 13 | 20 | 17 |
| 25 | 5.6 | 11 | 9.4 | 8.4 | 7.8 | 7.4 | 8.1 | 13 | 24 | 12 | 20 | 17 |
| 26 | 5.6 | 11 | 9.2 | 8.4 | 7.8 | 7.6 | 9.7 | 14 | 31 | 22 | 19 | 16 |
| 27 | 5.6 | 11 | 9.2 | 8.2 | 7.6 | 7.6 | 11 | 14 | 39 | 27 | 19 | 18 |
| 28 | 5.6 | 11 | 9.2 | 8.2 | 7.6 | 7.6 | 13 | 14 | 47 | 27 | 19 | 21 |
| 29 | 5.6 | 11 | 9.2 | 8.2 | --- | 7.6 | 13 | 14 | 47 | 27 | 18 | 18 |
| 30 | 6.2 | 10 | 9.2 | 8.2 | --- | 7.6 | 14 | 13 | 46 | 27 | 18 | 15 |
| 31 | 6.8 | --- | 9.0 | 8.2 | --- | 7.6 | --- | 13 | --- | 27 | 18 | --- |
| TOTAL | 200.5 | 290.2 | 297.8 | 263.6 | 220.0 | 231.4 | 421.7 | 407 | 629 | 542 | 747 | 528 |
| MEAN | 6.47 | 9.67 | 9.61 | 8.50 | 7.86 | 7.46 | 14.1 | 13.1 | 21.0 | 17.5 | 24.1 | 17.6 |
| AC-FT | 398 | 576 | 591 | 523 | 436 | 459 | 836 | 807 | 1250 | 1080 | 1480 | 1050 |
| MAX | 9.4 | 13 | 10 | 9.0 | 8.0 | 7.6 | 28 | 15 | 47 | 28 | 32 | 22 |
| MIN | 5.6 | 6.6 | 9.0 | 8.2 | 7.6 | 7.4 | 7.6 | 10 | 12 | 12 | 18 | 15 |

CAL YR 1984 TOTAL 3838.1 MEAN 10.5 MAX 67 MIN 5.6 AC-FT 7610
WTR YR 1985 TOTAL 4778.2 MEAN 13.1 MAX 47 MIN 5.6 AC-FT 9480

MAX DISCH 52 CFS AT 1130 09-MAY-1985 GH 1.64 FT. SHIFT 0.01 FT. MAX GH 1.64 FT. AT 1130 09-MAY-1985



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO (1986)

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is a 9.8 ft wide sharp crested concrete weir. Datum of gage is 9,945 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 1, 1985-Mar. 25, 1986. Clock stopped from Mar. 25-May 22, 1986. Transmountain diversions above station diverted May 22-Aug. 18, 1986 through Charles H. Boustead tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

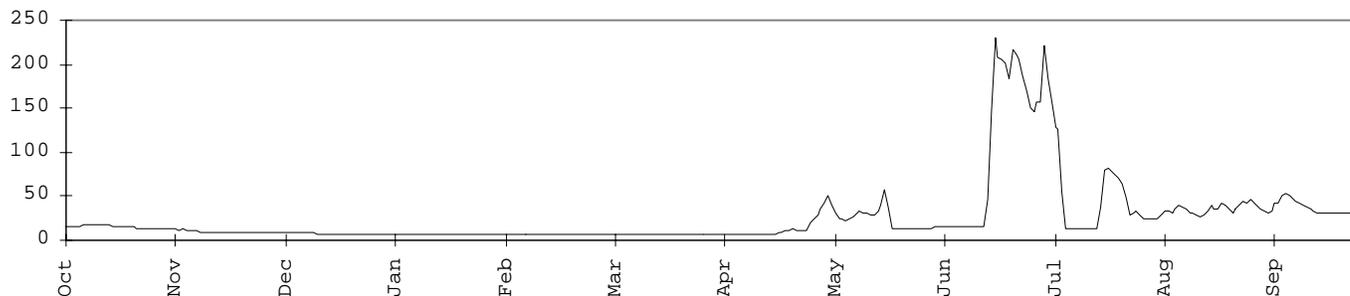
RATING TABLE.--FRYIVLC008 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1 | 14 | 13 | 8.2 | 7.0 | 6.6 | 6.2 | 7.2 | 24 | 14 | 151 | 29 | 46 |
| 2 | 15 | 13 | 8.2 | 7.0 | 6.6 | 6.2 | 7.0 | 28 | 14 | 147 | 24 | 44 |
| 3 | 16 | 12 | 8.2 | 7.0 | 6.6 | 6.2 | 7.0 | 36 | 14 | 158 | 24 | 40 |
| 4 | 16 | 13 | 8.2 | 7.0 | 6.6 | 6.2 | 6.8 | 42 | 15 | 158 | 24 | 36 |
| 5 | 15 | 12 | 8.0 | 7.0 | 6.4 | 6.2 | 6.8 | 50 | 16 | 222 | 24 | 34 |
| 6 | 15 | 11 | 8.0 | 7.0 | 6.4 | 6.2 | 7.0 | 40 | 16 | 183 | 24 | 32 |
| 7 | 18 | 11 | 8.0 | 6.8 | 6.4 | 6.2 | 7.4 | 30 | 16 | 156 | 29 | 33 |
| 8 | 18 | 10 | 8.0 | 6.8 | 6.4 | 6.2 | 7.4 | 25 | 16 | 128 | 34 | 43 |
| 9 | 18 | 9.8 | 7.8 | 6.8 | 6.4 | 6.2 | 7.2 | 24 | 16 | 126 | 34 | 43 |
| 10 | 18 | 9.8 | 7.8 | 6.8 | 6.2 | 6.2 | 7.0 | 22 | 15 | 55 | 32 | 51 |
| 11 | 18 | 9.6 | 7.8 | 6.8 | 6.2 | 6.2 | 7.0 | 24 | 15 | 14 | 35 | 52 |
| 12 | 18 | 9.6 | 7.6 | 6.6 | 6.2 | 6.2 | 7.0 | 27 | 15 | 14 | 40 | 51 |
| 13 | 18 | 9.2 | 7.6 | 6.6 | 6.2 | 6.2 | 7.0 | 30 | 15 | 14 | 37 | 48 |
| 14 | 17 | 9.2 | 7.6 | 6.6 | 6.2 | 6.2 | 6.8 | 33 | 15 | 14 | 35 | 45 |
| 15 | 16 | 9.0 | 7.4 | 6.6 | 6.2 | 6.2 | 7.0 | 32 | 15 | 14 | 32 | 42 |
| 16 | 16 | 9.0 | 7.4 | 6.6 | 6.2 | 6.2 | 7.2 | 30 | 16 | 14 | 30 | 40 |
| 17 | 16 | 9.0 | 7.4 | 6.6 | 6.2 | 6.2 | 7.0 | 29 | 16 | 14 | 29 | 37 |
| 18 | 16 | 8.8 | 7.4 | 6.6 | 6.2 | 6.2 | 6.8 | 28 | 16 | 14 | 27 | 36 |
| 19 | 16 | 8.6 | 7.4 | 6.6 | 6.2 | 6.2 | 6.8 | 34 | 47 | 14 | 29 | 34 |
| 20 | 15 | 8.4 | 7.4 | 6.6 | 6.2 | 6.0 | 7.0 | 40 | 149 | 14 | 34 | 31 |
| 21 | 15 | 8.4 | 7.4 | 6.6 | 6.2 | 6.2 | 8.0 | 57 | 229 | 38 | 40 | 30 |
| 22 | 14 | 8.4 | 7.4 | 6.6 | 6.2 | 6.2 | 9.0 | 38 | 209 | 80 | 36 | 32 |
| 23 | 14 | 8.4 | 7.4 | 6.6 | 6.2 | 6.4 | 11 | 14 | 206 | 81 | 36 | 32 |
| 24 | 14 | 8.4 | 7.4 | 6.6 | 6.2 | 6.2 | 11 | 14 | 202 | 78 | 42 | 32 |
| 25 | 14 | 8.4 | 7.2 | 6.6 | 6.2 | 6.2 | 13 | 14 | 183 | 76 | 39 | 30 |
| 26 | 14 | 8.2 | 7.2 | 6.6 | 6.2 | 6.2 | 12 | 14 | 216 | 71 | 36 | 30 |
| 27 | 14 | 8.2 | 7.2 | 6.6 | 6.2 | 6.6 | 11 | 14 | 210 | 65 | 32 | 30 |
| 28 | 14 | 8.2 | 7.0 | 6.6 | 6.2 | 7.0 | 10 | 14 | 206 | 49 | 35 | 31 |
| 29 | 14 | 8.2 | 7.0 | 6.6 | --- | 7.2 | 11 | 14 | 185 | 28 | 40 | 31 |
| 30 | 14 | 8.2 | 7.0 | 6.6 | --- | 7.4 | 20 | 14 | 171 | 30 | 45 | 30 |
| 31 | 14 | --- | 7.0 | 6.6 | --- | 7.4 | --- | 14 | --- | 34 | 41 | --- |
| TOTAL | 484 | 288.0 | 234.6 | 208.0 | 176.2 | 196.8 | 256.4 | 849 | 2488 | 2254 | 1028 | 1126 |
| MEAN | 15.6 | 9.60 | 7.57 | 6.71 | 6.29 | 6.35 | 8.55 | 27.4 | 82.9 | 72.7 | 33.2 | 37.5 |
| AC-FT | 960 | 571 | 465 | 413 | 349 | 390 | 509 | 1680 | 4930 | 4470 | 2040 | 2230 |
| MAX | 18 | 13 | 8.2 | 7.0 | 6.6 | 7.4 | 20 | 57 | 229 | 222 | 45 | 52 |
| MIN | 14 | 8.2 | 7.0 | 6.6 | 6.2 | 6.0 | 6.8 | 14 | 14 | 14 | 24 | 30 |

CAL YR 1985 TOTAL 4996.3 MEAN 13.7 MAX 47 MIN 7.0 AC-FT 9910
WTR YR 1986 TOTAL 9589.0 MEAN 26.3 MAX 229 MIN 6.0 AC-FT 19020

MAX DISCH 304 CFS AT 2200 20-JUN-1986 GH 3.68 FT. SHIFT 0.00 FT. MAX GH 3.68 FT. AT 2200 20-JUN-1986



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO (1987)

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is a 9.8 ft wide sharp crested concrete weir. Datum of gage is 9,945 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 4, 1986-Apr. 8, 1987. Clock stopped from Apr. 8-May 5, 1987. Transmountain diversions above station diverted Jun. 16-24, Jul. 8-10 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

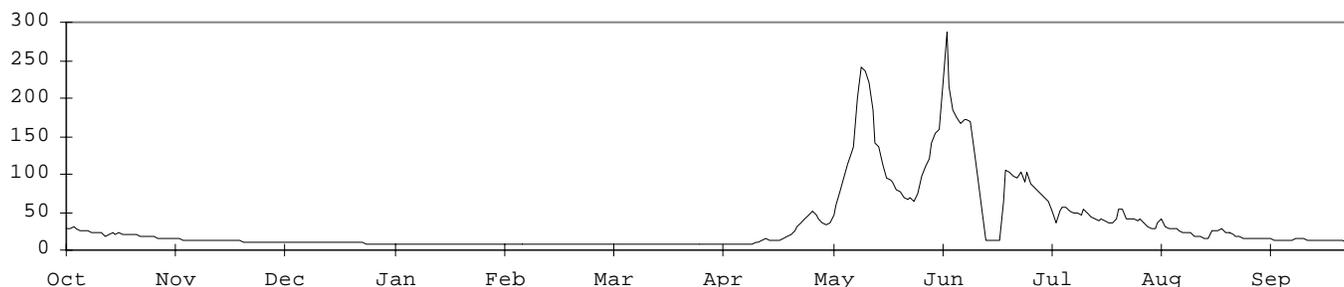
RATING TABLE.--FRYIVLC008 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1 | 30 | 16 | 10 | 8.8 | 8.0 | 7.6 | 7.6 | 52 | 98 | 102 | 39 | 16 |
| 2 | 29 | 16 | 10 | 8.8 | 8.0 | 7.6 | 7.6 | 46 | 111 | 87 | 40 | 16 |
| 3 | 29 | 15 | 10 | 8.8 | 8.0 | 7.6 | 7.6 | 41 | 121 | 81 | 36 | 16 |
| 4 | 30 | 14 | 10 | 8.6 | 8.0 | 7.6 | 7.6 | 36 | 140 | 76 | 32 | 16 |
| 5 | 28 | 14 | 10 | 8.8 | 8.0 | 7.8 | 7.6 | 34 | 154 | 71 | 29 | 15 |
| 6 | 26 | 14 | 9.8 | 8.6 | 8.0 | 8.0 | 7.6 | 36 | 158 | 69 | 27 | 15 |
| 7 | 26 | 13 | 9.8 | 8.6 | 8.0 | 8.0 | 7.6 | 45 | 221 | 65 | 36 | 15 |
| 8 | 25 | 13 | 9.8 | 8.6 | 8.0 | 8.0 | 7.8 | 58 | 286 | 51 | 40 | 15 |
| 9 | 24 | 13 | 9.8 | 8.4 | 8.0 | 7.8 | 7.8 | 77 | 215 | 37 | 32 | 14 |
| 10 | 24 | 13 | 9.6 | 8.4 | 8.0 | 7.8 | 8.0 | 94 | 185 | 51 | 29 | 14 |
| 11 | 24 | 13 | 9.6 | 8.4 | 8.0 | 7.8 | 8.0 | 113 | 174 | 56 | 27 | 14 |
| 12 | 22 | 13 | 9.6 | 8.4 | 8.0 | 7.8 | 8.0 | 129 | 166 | 56 | 27 | 13 |
| 13 | 18 | 12 | 9.6 | 8.4 | 8.0 | 7.8 | 8.0 | 135 | 172 | 52 | 26 | 13 |
| 14 | 20 | 12 | 9.6 | 8.4 | 8.0 | 7.8 | 8.0 | 201 | 171 | 48 | 24 | 14 |
| 15 | 22 | 12 | 9.6 | 8.4 | 8.0 | 7.8 | 9.0 | 240 | 170 | 48 | 22 | 15 |
| 16 | 21 | 12 | 9.6 | 8.4 | 8.0 | 7.6 | 11 | 237 | 130 | 47 | 22 | 15 |
| 17 | 22 | 12 | 9.4 | 8.4 | 8.0 | 7.6 | 13 | 221 | 93 | 55 | 19 | 15 |
| 18 | 21 | 12 | 9.4 | 8.2 | 8.0 | 7.6 | 15 | 185 | 51 | 50 | 18 | 14 |
| 19 | 21 | 12 | 9.4 | 8.2 | 8.0 | 7.6 | 14 | 141 | 14 | 43 | 17 | 14 |
| 20 | 21 | 12 | 9.2 | 8.2 | 8.0 | 7.6 | 13 | 137 | 14 | 40 | 16 | 13 |
| 21 | 20 | 11 | 9.2 | 8.2 | 7.8 | 7.6 | 12 | 113 | 14 | 39 | 16 | 12 |
| 22 | 20 | 11 | 9.2 | 8.2 | 7.8 | 7.6 | 13 | 96 | 13 | 40 | 25 | 12 |
| 23 | 19 | 11 | 9.0 | 8.2 | 7.8 | 7.6 | 15 | 92 | 13 | 38 | 26 | 12 |
| 24 | 19 | 11 | 9.0 | 8.2 | 7.8 | 7.6 | 18 | 90 | 63 | 35 | 26 | 12 |
| 25 | 18 | 11 | 9.0 | 8.2 | 7.8 | 7.6 | 21 | 80 | 105 | 35 | 28 | 12 |
| 26 | 18 | 11 | 8.8 | 8.2 | 7.8 | 7.6 | 26 | 76 | 102 | 40 | 24 | 12 |
| 27 | 17 | 10 | 8.8 | 8.0 | 7.8 | 7.6 | 30 | 69 | 97 | 55 | 22 | 12 |
| 28 | 16 | 10 | 8.8 | 8.0 | 7.8 | 7.6 | 35 | 67 | 94 | 53 | 21 | 12 |
| 29 | 16 | 10 | 8.8 | 8.0 | --- | 7.6 | 40 | 69 | 102 | 42 | 18 | 11 |
| 30 | 16 | 10 | 8.8 | 8.0 | --- | 7.6 | 46 | 65 | 89 | 40 | 17 | 11 |
| 31 | 16 | --- | 8.8 | 8.0 | --- | 7.6 | --- | 74 | --- | 40 | 16 | --- |
| TOTAL | 678 | 369 | 292.0 | 259.0 | 222.4 | 238.4 | 439.8 | 3149 | 3536 | 1642 | 797 | 410 |
| MEAN | 21.9 | 12.3 | 9.42 | 8.35 | 7.94 | 7.69 | 14.7 | 102 | 118 | 53.0 | 25.7 | 13.7 |
| AC-FT | 1340 | 732 | 579 | 514 | 441 | 473 | 872 | 6250 | 7010 | 3260 | 1580 | 813 |
| MAX | 30 | 16 | 10 | 8.8 | 8.0 | 8.0 | 46 | 240 | 286 | 102 | 40 | 16 |
| MIN | 16 | 10 | 8.8 | 8.0 | 7.8 | 7.6 | 7.6 | 34 | 13 | 35 | 16 | 11 |

CAL YR 1986 TOTAL 9921.4 MEAN 27.2 MAX 229 MIN 6.0 AC-FT 19680
WTR YR 1987 TOTAL 12032.6 MEAN 33.0 MAX 286 MIN 7.6 AC-FT 23870

MAX DISCH 385 CFS AT 0100 08-JUN-1987 GH 4.02 FT. SHIFT 0.00 FT. MAX GH 4.02 FT. AT 0100 08-JUN-1987



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO (1988)

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is a 9.8 ft wide sharp crested concrete weir. Datum of gage is 9,945 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 9, 1987-Apr. 14, 1988. Clock stopped from Apr. 14-Jun. 2, Jul. 13-19. Transmountain diversions above station diverted Jun. 18-Jul. 13, 1988 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

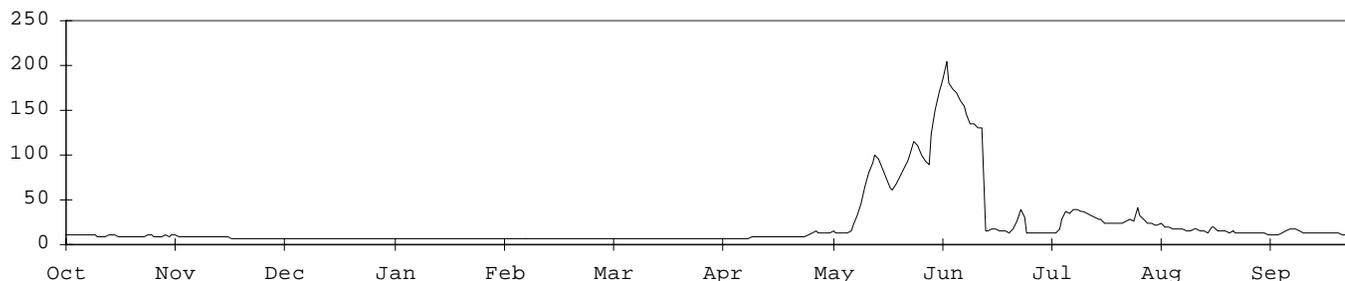
RATING TABLE.--FRYIVLC008 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1 | 11 | 10 | 7.0 | 6.6 | 6.2 | 6.0 | 5.8 | 15 | 94 | 14 | 32 | 14 |
| 2 | 11 | 10 | 7.0 | 6.6 | 6.2 | 6.0 | 5.8 | 13 | 90 | 13 | 28 | 13 |
| 3 | 11 | 9.4 | 7.0 | 6.6 | 6.2 | 6.0 | 5.8 | 12 | 125 | 13 | 25 | 12 |
| 4 | 11 | 9.0 | 7.0 | 6.6 | 6.2 | 6.0 | 6.0 | 12 | 150 | 13 | 23 | 12 |
| 5 | 10 | 8.4 | 7.0 | 6.6 | 6.2 | 6.0 | 6.0 | 14 | 170 | 13 | 22 | 12 |
| 6 | 10 | 9.4 | 7.0 | 6.6 | 6.2 | 6.0 | 6.0 | 15 | 185 | 13 | 22 | 11 |
| 7 | 10 | 9.4 | 7.0 | 6.4 | 6.2 | 6.0 | 6.4 | 14 | 205 | 13 | 23 | 11 |
| 8 | 10 | 8.4 | 7.0 | 6.4 | 6.2 | 6.0 | 6.8 | 13 | 180 | 12 | 20 | 11 |
| 9 | 10 | 8.2 | 7.0 | 6.4 | 6.2 | 6.0 | 6.8 | 13 | 175 | 18 | 19 | 11 |
| 10 | 10 | 8.2 | 7.0 | 6.4 | 6.2 | 6.0 | 6.2 | 14 | 170 | 29 | 18 | 13 |
| 11 | 9.7 | 8.0 | 7.0 | 6.4 | 6.2 | 6.0 | 6.2 | 15 | 160 | 36 | 17 | 16 |
| 12 | 9.4 | 8.0 | 7.0 | 6.4 | 6.2 | 6.0 | 7.0 | 22 | 155 | 34 | 18 | 17 |
| 13 | 9.7 | 8.0 | 7.0 | 6.4 | 6.2 | 6.0 | 8.0 | 32 | 145 | 39 | 17 | 18 |
| 14 | 10 | 8.2 | 7.0 | 6.4 | 6.2 | 6.0 | 8.8 | 45 | 135 | 40 | 16 | 17 |
| 15 | 10 | 7.8 | 6.8 | 6.4 | 6.0 | 5.8 | 9.2 | 66 | 135 | 38 | 15 | 15 |
| 16 | 10 | 7.8 | 6.8 | 6.4 | 6.0 | 5.8 | 9.2 | 80 | 130 | 36 | 17 | 14 |
| 17 | 9.7 | 7.8 | 6.8 | 6.4 | 6.0 | 5.8 | 9.2 | 92 | 130 | 34 | 17 | 13 |
| 18 | 9.7 | 7.4 | 6.8 | 6.4 | 6.0 | 5.8 | 8.8 | 100 | 15 | 33 | 16 | 13 |
| 19 | 9.4 | 7.4 | 6.8 | 6.2 | 6.0 | 5.8 | 8.8 | 96 | 16 | 31 | 15 | 12 |
| 20 | 8.7 | 7.4 | 6.8 | 6.2 | 6.0 | 5.8 | 8.8 | 84 | 18 | 29 | 14 | 12 |
| 21 | 8.7 | 7.4 | 6.8 | 6.2 | 5.8 | 6.0 | 9.2 | 74 | 17 | 28 | 20 | 12 |
| 22 | 8.7 | 7.4 | 6.8 | 6.2 | 5.8 | 6.0 | 8.8 | 64 | 15 | 25 | 20 | 12 |
| 23 | 9.0 | 7.4 | 6.8 | 6.2 | 5.8 | 6.0 | 8.8 | 60 | 16 | 24 | 16 | 12 |
| 24 | 9.7 | 7.4 | 6.6 | 6.2 | 5.8 | 6.0 | 8.8 | 68 | 15 | 23 | 15 | 12 |
| 25 | 10 | 7.4 | 6.6 | 6.2 | 5.8 | 5.8 | 8.8 | 76 | 13 | 23 | 15 | 12 |
| 26 | 10 | 7.4 | 6.6 | 6.2 | 5.8 | 5.8 | 8.8 | 84 | 17 | 25 | 14 | 12 |
| 27 | 9.4 | 7.4 | 6.6 | 6.2 | 5.8 | 6.0 | 8.8 | 94 | 27 | 25 | 15 | 11 |
| 28 | 9.0 | 7.2 | 6.6 | 6.2 | 6.0 | 6.2 | 9.4 | 100 | 39 | 27 | 14 | 11 |
| 29 | 9.4 | 7.2 | 6.6 | 6.2 | 6.0 | 6.0 | 11 | 115 | 31 | 29 | 14 | 10 |
| 30 | 10 | 7.2 | 6.6 | 6.2 | --- | 6.0 | 12 | 110 | 14 | 26 | 14 | 10 |
| 31 | 9.7 | --- | 6.6 | 6.2 | --- | 6.0 | --- | 100 | --- | 41 | 14 | --- |
| TOTAL | 303.9 | 241.6 | 212.0 | 197.0 | 175.4 | 184.6 | 240.0 | 1712 | 2787 | 797 | 565 | 381 |
| MEAN | 9.80 | 8.05 | 6.84 | 6.35 | 6.05 | 5.95 | 8.00 | 55.2 | 92.9 | 25.7 | 18.2 | 12.7 |
| AC-FT | 603 | 479 | 421 | 391 | 348 | 366 | 476 | 3400 | 5530 | 1580 | 1120 | 756 |
| MAX | 11 | 10 | 7.0 | 6.6 | 6.2 | 6.2 | 12 | 115 | 205 | 41 | 32 | 18 |
| MIN | 8.7 | 7.2 | 6.6 | 6.2 | 5.8 | 5.8 | 5.8 | 12 | 13 | 12 | 14 | 10 |

CAL YR 1987 TOTAL 11451.1 MEAN 31.4 MAX 286 MIN 6.6 AC-FT 22710
WTR YR 1988 TOTAL 7796.5 MEAN 21.3 MAX 205 MIN 5.8 AC-FT 15460

MAX DISCH 205 CFS



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO (1989)

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is a 9.8 ft wide sharp crested concrete weir. Datum of gage is 9,945 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 4, 1988-Apr. 19, 1989. Transmountain diversions above station diverted Apr. 19-Jul. 17, Aug. 1-4, 1989 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

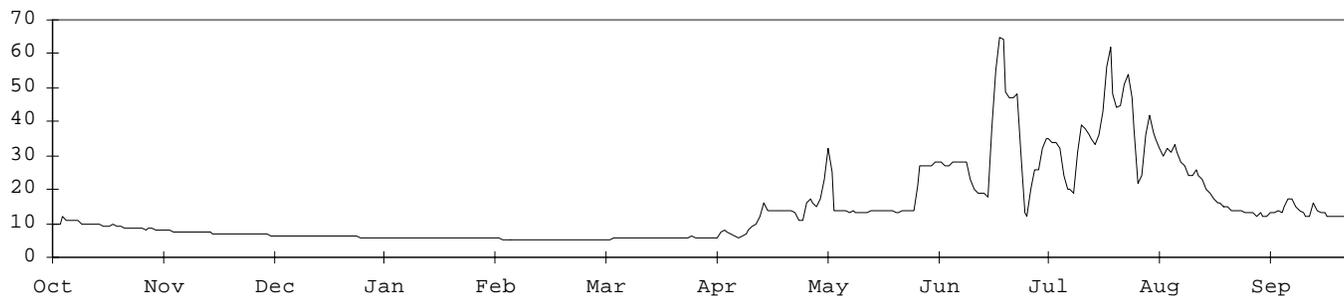
RATING TABLE.--FRYIVLC008 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1 | 10 | 8.1 | 6.7 | 6.0 | 5.6 | 5.2 | 6.0 | 16 | 21 | 13 | 38 | 13 |
| 2 | 10 | 7.8 | 6.4 | 6.0 | 5.6 | 5.2 | 6.0 | 17 | 27 | 12 | 22 | 13 |
| 3 | 10 | 8.1 | 6.4 | 6.0 | 5.6 | 5.2 | 6.0 | 16 | 27 | 20 | 24 | 13 |
| 4 | 10 | 7.8 | 6.4 | 6.0 | 5.6 | 5.2 | 6.0 | 15 | 27 | 26 | 36 | 12 |
| 5 | 12 | 7.6 | 6.4 | 6.0 | 5.2 | 5.2 | 6.0 | 17 | 27 | 26 | 42 | 13 |
| 6 | 11 | 7.6 | 6.4 | 6.0 | 5.2 | 5.2 | 6.0 | 23 | 28 | 32 | 37 | 12 |
| 7 | 11 | 7.6 | 6.4 | 6.0 | 5.2 | 5.2 | 7.2 | 32 | 28 | 35 | 35 | 12 |
| 8 | 11 | 7.6 | 6.4 | 6.0 | 5.2 | 5.6 | 8.0 | 25 | 28 | 35 | 32 | 13 |
| 9 | 11 | 7.6 | 6.4 | 6.0 | 5.2 | 5.6 | 7.2 | 14 | 27 | 34 | 30 | 13 |
| 10 | 10 | 7.6 | 6.4 | 6.0 | 5.2 | 5.6 | 6.8 | 14 | 27 | 34 | 32 | 14 |
| 11 | 10 | 7.6 | 6.4 | 6.0 | 5.2 | 5.6 | 6.4 | 14 | 28 | 32 | 31 | 13 |
| 12 | 9.7 | 7.4 | 6.4 | 5.6 | 5.2 | 5.6 | 6.0 | 14 | 28 | 24 | 33 | 15 |
| 13 | 10 | 7.4 | 6.4 | 5.6 | 5.2 | 5.6 | 6.4 | 13 | 28 | 20 | 31 | 17 |
| 14 | 10 | 7.4 | 6.4 | 5.6 | 5.2 | 5.6 | 7.0 | 14 | 28 | 20 | 28 | 17 |
| 15 | 9.7 | 7.4 | 6.4 | 5.6 | 5.2 | 5.6 | 8.2 | 13 | 28 | 19 | 27 | 15 |
| 16 | 9.4 | 7.0 | 6.4 | 5.6 | 5.2 | 5.6 | 9.2 | 13 | 23 | 31 | 24 | 14 |
| 17 | 9.4 | 7.0 | 6.4 | 5.6 | 5.2 | 5.6 | 10 | 13 | 20 | 39 | 24 | 13 |
| 18 | 9.4 | 7.0 | 6.4 | 5.6 | 5.2 | 5.6 | 12 | 13 | 19 | 38 | 26 | 12 |
| 19 | 9.7 | 7.0 | 6.4 | 5.6 | 5.2 | 5.6 | 16 | 14 | 19 | 36 | 24 | 12 |
| 20 | 9.0 | 7.0 | 6.4 | 5.6 | 5.2 | 5.6 | 14 | 14 | 19 | 35 | 23 | 16 |
| 21 | 9.0 | 7.0 | 6.4 | 5.6 | 5.2 | 5.6 | 14 | 14 | 18 | 33 | 20 | 14 |
| 22 | 8.7 | 7.0 | 6.4 | 5.6 | 5.2 | 5.6 | 14 | 14 | 38 | 36 | 19 | 13 |
| 23 | 8.7 | 7.0 | 6.4 | 5.6 | 5.2 | 5.6 | 14 | 14 | 55 | 43 | 17 | 13 |
| 24 | 8.7 | 7.0 | 6.4 | 5.6 | 5.2 | 6.0 | 14 | 14 | 65 | 56 | 16 | 12 |
| 25 | 8.7 | 7.0 | 6.4 | 5.6 | 5.2 | 6.0 | 14 | 14 | 64 | 62 | 16 | 12 |
| 26 | 8.4 | 7.0 | 6.4 | 5.6 | 5.2 | 6.0 | 14 | 13 | 49 | 48 | 15 | 12 |
| 27 | 8.4 | 7.0 | 6.0 | 5.6 | 5.2 | 6.0 | 14 | 13 | 47 | 44 | 15 | 12 |
| 28 | 8.1 | 7.0 | 6.0 | 5.6 | 5.2 | 6.0 | 13 | 14 | 47 | 45 | 14 | 12 |
| 29 | 8.4 | 7.0 | 6.0 | 5.6 | --- | 6.0 | 11 | 14 | 48 | 51 | 14 | 12 |
| 30 | 8.4 | 7.0 | 6.0 | 5.6 | --- | 6.2 | 11 | 14 | 30 | 54 | 14 | 11 |
| 31 | 8.1 | --- | 6.0 | 5.6 | --- | 6.0 | --- | 14 | --- | 47 | 14 | --- |
| TOTAL | 295.9 | 219.6 | 196.7 | 178.0 | 147.2 | 174.2 | 293.4 | 476 | 968 | 1080 | 773 | 395 |
| MEAN | 9.55 | 7.32 | 6.35 | 5.74 | 5.26 | 5.62 | 9.78 | 15.4 | 32.3 | 34.8 | 24.9 | 13.2 |
| AC-FT | 587 | 436 | 390 | 353 | 292 | 346 | 582 | 944 | 1920 | 2140 | 1530 | 783 |
| MAX | 12 | 8.1 | 6.7 | 6.0 | 5.6 | 6.2 | 16 | 32 | 65 | 62 | 42 | 17 |
| MIN | 8.1 | 7.0 | 6.0 | 5.6 | 5.2 | 5.2 | 6.0 | 13 | 18 | 12 | 14 | 11 |

CAL YR 1988 TOTAL 7751.2 MEAN 21.2 MAX 205 MIN 5.8 AC-FT 15370
WTR YR 1989 TOTAL 5197.0 MEAN 14.2 MAX 65 MIN 5.2 AC-FT 10310

MAX DISCH 81 CFS AT 2300 24-JUN-1989 GH 1.99 FT. SHIFT -0.01 FT. MAX GH 1.99 FT. AT 2300 24-JUN-1989



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO (1990)

LOCATION.--Lat 39°14'42", long 106°31'50", Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2.0 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, Co.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is a 9.8 ft wide sharp crested concrete weir. Datum of gage is 9,945 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected or frozen from Oct. 18, 1989-Apr. 23, 1990. Transmountain diversions above station diverted Apr. 19-26, May 7-Jul. 22, 1990 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

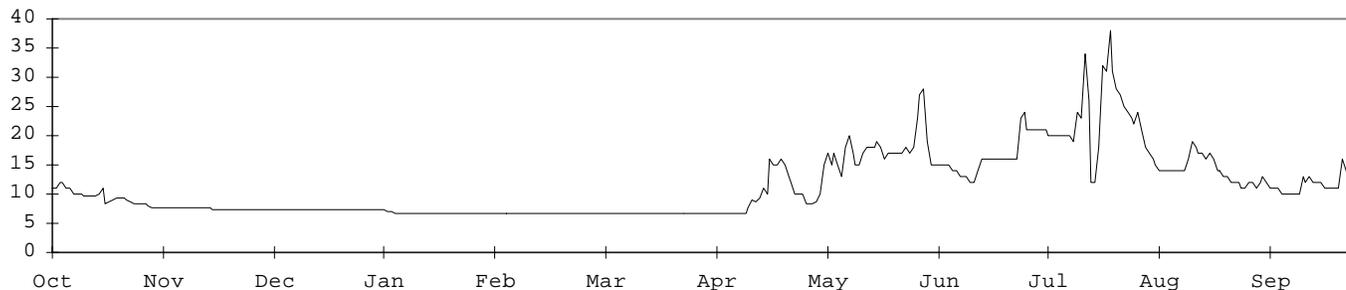
RATING TABLE.--FRYIVLCO08 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 1 | 11 | 7.8 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 8.4 | 23 | 24 | 22 | 11 |
| 2 | 11 | 7.8 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 8.4 | 27 | 21 | 24 | 12 |
| 3 | 11 | 7.8 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 8.4 | 28 | 21 | 21 | 12 |
| 4 | 12 | 7.8 | 7.4 | 7.0 | 6.8 | 6.6 | 6.6 | 8.7 | 19 | 21 | 18 | 11 |
| 5 | 12 | 7.8 | 7.4 | 7.0 | 6.8 | 6.6 | 6.6 | 10 | 15 | 21 | 17 | 12 |
| 6 | 11 | 7.8 | 7.4 | 6.8 | 6.8 | 6.6 | 6.6 | 15 | 15 | 21 | 16 | 13 |
| 7 | 11 | 7.8 | 7.4 | 6.8 | 6.8 | 6.6 | 6.6 | 17 | 15 | 21 | 15 | 12 |
| 8 | 10 | 7.8 | 7.4 | 6.8 | 6.8 | 6.6 | 6.6 | 15 | 15 | 20 | 14 | 11 |
| 9 | 10 | 7.8 | 7.4 | 6.8 | 6.8 | 6.6 | 6.6 | 17 | 15 | 20 | 14 | 11 |
| 10 | 10 | 7.8 | 7.4 | 6.8 | 6.8 | 6.6 | 6.6 | 15 | 15 | 20 | 14 | 11 |
| 11 | 9.7 | 7.8 | 7.4 | 6.8 | 6.8 | 6.6 | 6.6 | 13 | 14 | 20 | 14 | 10 |
| 12 | 9.7 | 7.8 | 7.2 | 6.8 | 6.8 | 6.6 | 6.6 | 18 | 14 | 20 | 14 | 10 |
| 13 | 9.7 | 7.8 | 7.2 | 6.8 | 6.8 | 6.6 | 6.6 | 20 | 13 | 20 | 14 | 10 |
| 14 | 9.7 | 7.8 | 7.2 | 6.8 | 6.8 | 6.6 | 6.6 | 17 | 13 | 20 | 14 | 10 |
| 15 | 10 | 7.6 | 7.2 | 6.8 | 6.8 | 6.6 | 7.8 | 15 | 13 | 19 | 14 | 10 |
| 16 | 11 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 9.0 | 15 | 12 | 24 | 16 | 10 |
| 17 | 8.4 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 8.6 | 17 | 12 | 23 | 19 | 13 |
| 18 | 8.6 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 9.2 | 18 | 14 | 34 | 18 | 12 |
| 19 | 9.0 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 11 | 18 | 16 | 26 | 17 | 13 |
| 20 | 9.4 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 10 | 18 | 16 | 12 | 17 | 12 |
| 21 | 9.4 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 16 | 19 | 16 | 12 | 16 | 12 |
| 22 | 9.4 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 15 | 18 | 16 | 18 | 17 | 12 |
| 23 | 9.0 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 15 | 16 | 16 | 32 | 16 | 11 |
| 24 | 8.7 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 16 | 17 | 16 | 31 | 14 | 11 |
| 25 | 8.4 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 15 | 17 | 16 | 38 | 14 | 11 |
| 26 | 8.4 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 13 | 17 | 16 | 31 | 13 | 11 |
| 27 | 8.2 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 12 | 17 | 16 | 28 | 13 | 11 |
| 28 | 8.2 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 10 | 17 | 16 | 27 | 12 | 16 |
| 29 | 8.0 | 7.4 | 7.2 | 6.8 | --- | 6.6 | 10 | 18 | 16 | 25 | 12 | 14 |
| 30 | 7.8 | 7.4 | 7.2 | 6.8 | --- | 6.6 | 10 | 17 | 23 | 24 | 12 | 13 |
| 31 | 7.8 | --- | 7.2 | 6.8 | --- | 6.6 | --- | 18 | --- | 23 | 11 | --- |
| TOTAL | 297.5 | 227.8 | 225.4 | 212.4 | 187.8 | 204.6 | 280.0 | 482.9 | 491 | 717 | 482 | 348 |
| MEAN | 9.60 | 7.59 | 7.27 | 6.85 | 6.71 | 6.60 | 9.33 | 15.6 | 16.4 | 23.1 | 15.5 | 11.6 |
| AC-FT | 590 | 452 | 447 | 421 | 373 | 406 | 555 | 958 | 974 | 1420 | 956 | 690 |
| MAX | 12 | 7.8 | 7.4 | 7.2 | 6.8 | 6.6 | 16 | 20 | 28 | 38 | 24 | 16 |
| MIN | 7.8 | 7.4 | 7.2 | 6.8 | 6.6 | 6.6 | 6.6 | 8.4 | 12 | 12 | 11 | 10 |

CAL YR 1989 TOTAL 5235.5 MEAN 14.3 MAX 65 MIN 5.2 AC-FT 10380
WTR YR 1990 TOTAL 4156.4 MEAN 11.4 MAX 38 MIN 6.6 AC-FT 8240

MAX DISCH 61 CFS AT 2030 18-JUL-1990 GH 1.73 FT. SHIFT 0.02 FT. MAX GH 1.73 FT. AT 2030 18-JUL-1990



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO (1983)

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is 120° V-notch weir. Datum of gage is 9,980 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Oct. 28, 1982-May 13, 1983. Clock stopped from Jun. 4-8, 1983. Transmountain diversions above station diverted May 13-Aug. 24, 1983 through Busk-Ivanhoe and Boustead Tunnels. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

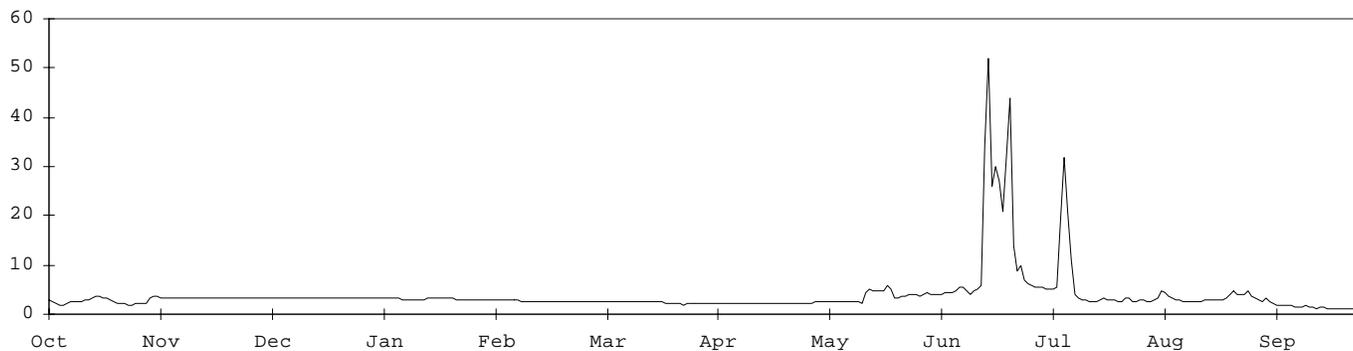
RATING TABLE.--IVCRNACO3 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|
| 1 | 3.1 | 3.3 | 3.3 | 3.2 | 2.8 | 2.7 | 2.1 | 2.3 | 4.2 | 5.8 | 3.0 | 3.2 |
| 2 | 2.6 | 3.3 | 3.2 | 3.2 | 2.8 | 2.4 | 2.1 | 2.4 | 4.3 | 5.5 | 2.4 | 2.9 |
| 3 | 2.2 | 3.3 | 3.2 | 3.2 | 2.8 | 2.4 | 2.1 | 2.4 | 4.0 | 5.6 | 2.7 | 2.6 |
| 4 | 2.0 | 3.3 | 3.3 | 3.2 | 2.9 | 2.4 | 2.1 | 2.4 | 4.1 | 5.5 | 2.8 | 3.2 |
| 5 | 2.0 | 3.3 | 3.3 | 3.2 | 2.9 | 2.4 | 2.1 | 2.4 | 4.1 | 5.2 | 3.2 | 2.6 |
| 6 | 2.1 | 3.3 | 3.3 | 3.2 | 2.9 | 2.4 | 2.1 | 2.4 | 4.1 | 5.1 | 4.6 | 2.2 |
| 7 | 2.4 | 3.3 | 3.3 | 3.1 | 2.9 | 2.4 | 2.1 | 2.4 | 4.3 | 5.0 | 4.3 | 2.0 |
| 8 | 2.6 | 3.3 | 3.3 | 3.1 | 2.9 | 2.4 | 2.1 | 2.4 | 4.3 | 5.4 | 3.7 | 1.9 |
| 9 | 2.6 | 3.3 | 3.3 | 3.1 | 2.7 | 2.4 | 2.2 | 2.5 | 4.4 | 19 | 3.4 | 1.8 |
| 10 | 2.6 | 3.3 | 3.3 | 3.1 | 2.7 | 2.4 | 2.2 | 2.5 | 4.9 | 32 | 3.1 | 1.8 |
| 11 | 2.9 | 3.3 | 3.3 | 3.1 | 2.7 | 2.4 | 2.2 | 2.5 | 5.5 | 21 | 2.8 | 1.7 |
| 12 | 3.1 | 3.3 | 3.3 | 3.1 | 2.7 | 2.4 | 2.2 | 2.5 | 5.6 | 11 | 2.7 | 1.5 |
| 13 | 3.4 | 3.4 | 3.3 | 3.1 | 2.7 | 2.4 | 2.2 | 2.5 | 4.8 | 4.2 | 2.6 | 1.4 |
| 14 | 3.5 | 3.4 | 3.3 | 3.2 | 2.7 | 2.4 | 2.2 | 2.4 | 4.2 | 3.2 | 2.5 | 1.5 |
| 15 | 3.6 | 3.4 | 3.3 | 3.2 | 2.7 | 2.4 | 2.2 | 2.3 | 4.8 | 3.0 | 2.4 | 2.0 |
| 16 | 3.4 | 3.4 | 3.3 | 3.2 | 2.7 | 2.4 | 2.2 | 4.4 | 5.0 | 2.8 | 2.4 | 1.4 |
| 17 | 3.2 | 3.4 | 3.3 | 3.2 | 2.7 | 2.4 | 2.2 | 5.0 | 5.9 | 2.7 | 2.6 | 1.3 |
| 18 | 2.9 | 3.4 | 3.3 | 3.2 | 2.7 | 2.4 | 2.2 | 4.9 | 34 | 2.6 | 3.1 | 1.2 |
| 19 | 2.5 | 3.4 | 3.2 | 3.2 | 2.7 | 2.5 | 2.2 | 4.8 | 52 | 2.6 | 3.0 | 1.3 |
| 20 | 2.3 | 3.4 | 3.2 | 3.2 | 2.6 | 2.5 | 2.2 | 4.6 | 26 | 2.9 | 3.0 | 1.4 |
| 21 | 2.2 | 3.4 | 3.2 | 3.2 | 2.6 | 2.2 | 2.2 | 4.8 | 30 | 3.3 | 2.9 | 1.2 |
| 22 | 2.1 | 3.4 | 3.2 | 3.0 | 2.6 | 2.2 | 2.2 | 5.8 | 27 | 3.0 | 2.8 | 1.2 |
| 23 | 2.0 | 3.3 | 3.2 | 3.0 | 2.6 | 2.2 | 2.2 | 5.0 | 21 | 3.0 | 2.8 | 1.1 |
| 24 | 2.0 | 3.3 | 3.2 | 3.0 | 2.6 | 2.2 | 2.2 | 3.4 | 32 | 2.8 | 3.4 | 1.1 |
| 25 | 2.2 | 3.3 | 3.3 | 3.0 | 2.7 | 2.2 | 2.2 | 3.4 | 44 | 2.7 | 4.2 | 1.1 |
| 26 | 2.2 | 3.3 | 3.3 | 3.0 | 2.7 | 2.0 | 2.2 | 3.6 | 14 | 2.7 | 4.6 | 1.0 |
| 27 | 2.2 | 3.3 | 3.3 | 3.0 | 2.7 | 2.1 | 2.2 | 3.7 | 8.8 | 3.2 | 4.0 | 0.97 |
| 28 | 2.3 | 3.3 | 3.3 | 3.0 | 2.7 | 2.1 | 2.2 | 3.9 | 10 | 3.2 | 4.0 | 0.94 |
| 29 | 3.4 | 3.3 | 3.3 | 3.0 | --- | 2.1 | 2.2 | 3.9 | 7.1 | 2.6 | 3.9 | 0.93 |
| 30 | 3.6 | 3.3 | 3.3 | 3.0 | --- | 2.1 | 2.3 | 4.2 | 6.1 | 2.5 | 4.8 | 1.1 |
| 31 | 3.6 | --- | 3.2 | 2.8 | --- | 2.1 | --- | 3.8 | --- | 2.9 | 3.8 | --- |
| TOTAL | 82.8 | 100.0 | 101.4 | 96.3 | 76.4 | 72.0 | 65.3 | 105.5 | 390.5 | 182.0 | 101.5 | 49.54 |
| MEAN | 2.67 | 3.33 | 3.27 | 3.11 | 2.73 | 2.32 | 2.18 | 3.40 | 13.0 | 5.87 | 3.27 | 1.65 |
| AC-FT | 164 | 198 | 201 | 191 | 152 | 143 | 130 | 209 | 775 | 361 | 201 | 98 |
| MAX | 3.6 | 3.4 | 3.3 | 3.2 | 2.9 | 2.7 | 2.3 | 5.8 | 52 | 32 | 4.8 | 3.2 |
| MIN | 2.0 | 3.3 | 3.2 | 2.8 | 2.6 | 2.0 | 2.1 | 2.3 | 4.0 | 2.5 | 2.4 | 0.93 |

CAL YR 1982 TOTAL 284.2 MEAN 0.78 MAX 3.6 MIN 2.0 AC-FT 564
WTR YR 1983 TOTAL 1423.24 MEAN 3.90 MAX 52 MIN 0.93 AC-FT 2820

MAX DISCH 173 CFS AT 1700 18-JUN-1983 GH 3.97 FT. SHIFT 0.03 FT. MAX GH 3.97 FT. AT 1700 18-JUN-1983



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO (1984)

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24 in corrugated metal well. Control is 120° V-notch weir. Datum of gage is 9,980 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 9, 1983-May 30, 1984. Clock stopped from Jun. 22-Jul. 5, 1984. Transmountain diversions above station diverted May 27-Sept. 7, 1984 through Busk-Ivanhoe and Boustead Tunnels. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

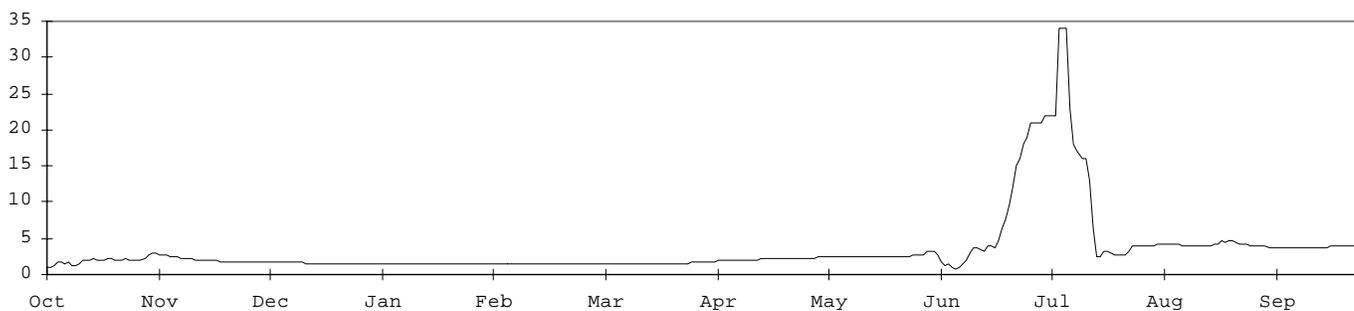
RATING TABLE.--IVCRNACO03 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|------|------|------|------|------|------|------|--------|-------|-------|-------|
| 1 | 0.97 | 2.6 | 1.7 | 1.6 | 1.5 | 1.5 | 1.8 | 2.3 | 3.2 | 21 | 4.0 | 4.0 |
| 2 | 1.0 | 2.6 | 1.7 | 1.6 | 1.5 | 1.5 | 1.8 | 2.5 | 3.1 | 21 | 4.0 | 4.0 |
| 3 | 1.3 | 2.6 | 1.7 | 1.6 | 1.5 | 1.5 | 1.8 | 2.5 | 3.1 | 21 | 4.0 | 3.9 |
| 4 | 1.7 | 2.4 | 1.7 | 1.6 | 1.5 | 1.4 | 2.0 | 2.5 | 2.6 | 22 | 4.1 | 3.8 |
| 5 | 1.8 | 2.4 | 1.7 | 1.6 | 1.5 | 1.5 | 2.0 | 2.5 | 1.8 | 22 | 4.1 | 3.8 |
| 6 | 1.6 | 2.4 | 1.7 | 1.6 | 1.5 | 1.5 | 2.0 | 2.5 | 1.3 | 22 | 4.2 | 3.6 |
| 7 | 1.7 | 2.3 | 1.7 | 1.6 | 1.5 | 1.5 | 2.0 | 2.5 | 1.4 | 22 | 4.1 | 3.7 |
| 8 | 1.3 | 2.2 | 1.7 | 1.6 | 1.5 | 1.5 | 2.0 | 2.5 | 0.90 | 34 | 4.1 | 3.7 |
| 9 | 1.3 | 2.2 | 1.7 | 1.6 | 1.5 | 1.5 | 2.0 | 2.5 | 0.80 | 34 | 4.1 | 3.7 |
| 10 | 1.5 | 2.2 | 1.7 | 1.6 | 1.5 | 1.5 | 2.0 | 2.5 | 1.1 | 34 | 4.1 | 3.7 |
| 11 | 1.9 | 2.0 | 1.7 | 1.6 | 1.5 | 1.5 | 2.0 | 2.5 | 1.4 | 23 | 4.0 | 3.7 |
| 12 | 1.9 | 2.0 | 1.6 | 1.6 | 1.5 | 1.5 | 2.0 | 2.5 | 2.0 | 18 | 3.9 | 3.7 |
| 13 | 1.9 | 2.0 | 1.6 | 1.6 | 1.5 | 1.5 | 2.0 | 2.5 | 2.9 | 17 | 4.0 | 3.7 |
| 14 | 2.2 | 1.9 | 1.6 | 1.6 | 1.5 | 1.5 | 2.0 | 2.5 | 3.6 | 16 | 4.0 | 3.7 |
| 15 | 2.0 | 1.9 | 1.6 | 1.6 | 1.5 | 1.6 | 2.0 | 2.5 | 3.6 | 16 | 4.0 | 3.7 |
| 16 | 1.9 | 1.9 | 1.6 | 1.6 | 1.5 | 1.6 | 2.3 | 2.5 | 3.5 | 13 | 4.0 | 3.8 |
| 17 | 1.9 | 1.9 | 1.6 | 1.6 | 1.5 | 1.6 | 2.3 | 2.5 | 3.2 | 6.3 | 4.0 | 3.8 |
| 18 | 2.2 | 1.8 | 1.6 | 1.6 | 1.5 | 1.6 | 2.3 | 2.5 | 3.9 | 2.5 | 4.0 | 3.8 |
| 19 | 2.2 | 1.8 | 1.6 | 1.6 | 1.5 | 1.6 | 2.3 | 2.5 | 3.9 | 2.4 | 4.0 | 3.8 |
| 20 | 2.0 | 1.8 | 1.6 | 1.6 | 1.5 | 1.6 | 2.3 | 2.5 | 3.8 | 3.1 | 4.1 | 3.8 |
| 21 | 2.0 | 1.7 | 1.6 | 1.6 | 1.5 | 1.6 | 2.3 | 2.5 | 4.8 | 3.1 | 4.2 | 3.9 |
| 22 | 2.0 | 1.7 | 1.6 | 1.6 | 1.5 | 1.6 | 2.3 | 2.5 | 6.3 | 2.9 | 4.6 | 3.9 |
| 23 | 2.1 | 1.7 | 1.6 | 1.6 | 1.5 | 1.6 | 2.3 | 2.5 | 7.6 | 2.8 | 4.4 | 3.9 |
| 24 | 2.0 | 1.7 | 1.6 | 1.6 | 1.5 | 1.6 | 2.3 | 2.5 | 9.6 | 2.6 | 4.6 | 3.9 |
| 25 | 1.9 | 1.7 | 1.6 | 1.6 | 1.5 | 1.6 | 2.3 | 2.5 | 12 | 2.7 | 4.6 | 3.9 |
| 26 | 1.9 | 1.7 | 1.6 | 1.5 | 1.5 | 1.6 | 2.3 | 2.5 | 15 | 2.6 | 4.4 | 3.9 |
| 27 | 1.9 | 1.7 | 1.6 | 1.5 | 1.5 | 1.6 | 2.3 | 2.5 | 16 | 3.2 | 4.2 | 3.9 |
| 28 | 2.2 | 1.7 | 1.6 | 1.5 | 1.5 | 1.8 | 2.3 | 2.6 | 18 | 4.0 | 4.1 | 3.9 |
| 29 | 2.6 | 1.7 | 1.6 | 1.5 | 1.5 | 1.8 | 2.3 | 2.6 | 19 | 3.9 | 4.1 | 3.9 |
| 30 | 3.0 | 1.7 | 1.6 | 1.5 | --- | 1.8 | 2.3 | 2.7 | 21 | 4.0 | 4.0 | 4.0 |
| 31 | 3.0 | --- | 1.6 | 1.5 | --- | 1.8 | --- | 2.7 | --- | 4.0 | 4.0 | --- |
| TOTAL | 58.87 | 59.9 | 50.7 | 49.0 | 43.5 | 48.9 | 63.9 | 77.9 | 180.40 | 406.1 | 128.0 | 114.5 |
| MEAN | 1.90 | 2.00 | 1.64 | 1.58 | 1.50 | 1.58 | 2.13 | 2.51 | 6.01 | 13.1 | 4.13 | 3.82 |
| AC-FT | 117 | 119 | 101 | 97 | 86 | 97 | 127 | 155 | 358 | 806 | 254 | 227 |
| MAX | 3.0 | 2.6 | 1.7 | 1.6 | 1.5 | 1.8 | 2.3 | 2.7 | 21 | 34 | 4.6 | 4.0 |
| MIN | 0.97 | 1.7 | 1.6 | 1.5 | 1.5 | 1.4 | 1.8 | 2.3 | 0.80 | 2.4 | 3.9 | 3.6 |

CAL YR 1983 TOTAL 1308.51 MEAN 3.58 MAX 52 MIN 0.93 AC-FT 2600
WTR YR 1984 TOTAL 1281.67 MEAN 3.50 MAX 34 MIN 0.80 AC-FT 2540

MAX DISCH 87.9 CFS AT 0400 10-JUL-1984 GH 2.90 FT. SHIFT 0.07 FT. MAX GH 2.90 FT. AT 0400 10-JUL-1984



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO (1985)

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24in. corrugated metal box. Control is 120° V-notch weir. Datum of gage is 9,980 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Clock stopped from Oct. 1-11, 1984. Station was ice affected from Nov. 9, 1984-Apr. 22, 1985. Transmountain diversions above station diverted May 1-Aug. 7, 1985 through Busk-Ivanhoe and Boustead Tunnels. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

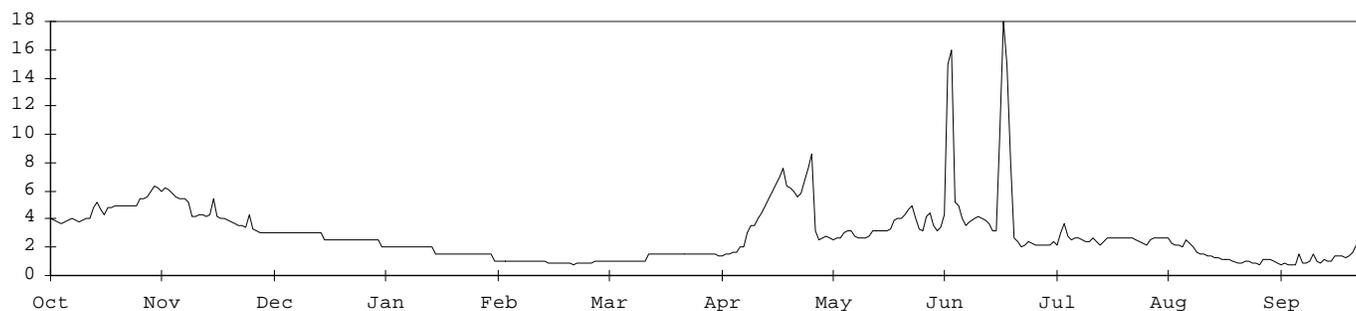
RATING TABLE.--IVCRNAC003 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|-------|------|-------|-------|-------|------|-------|-------|
| 1 | 4.0 | 5.9 | 3.0 | 2.0 | 1.0 | 1.0 | 1.5 | 3.2 | 4.2 | 2.2 | 2.2 | 0.80 |
| 2 | 3.9 | 6.2 | 3.0 | 2.0 | 1.0 | 1.0 | 1.5 | 2.5 | 4.4 | 2.2 | 2.5 | 1.1 |
| 3 | 3.8 | 6.1 | 3.0 | 2.0 | 1.0 | 1.0 | 1.5 | 2.6 | 3.5 | 2.2 | 2.7 | 1.2 |
| 4 | 3.7 | 5.8 | 3.0 | 2.0 | 1.0 | 1.0 | 1.4 | 2.8 | 3.2 | 2.1 | 2.7 | 1.2 |
| 5 | 3.8 | 5.6 | 3.0 | 2.0 | 1.0 | 1.0 | 1.4 | 2.6 | 3.4 | 2.2 | 2.7 | 0.97 |
| 6 | 3.9 | 5.5 | 3.0 | 2.0 | 1.0 | 1.0 | 1.5 | 2.5 | 4.3 | 2.4 | 2.7 | 0.84 |
| 7 | 4.0 | 5.5 | 3.0 | 2.0 | 1.0 | 1.0 | 1.5 | 2.6 | 15 | 2.2 | 2.6 | 0.80 |
| 8 | 3.9 | 5.2 | 3.0 | 2.0 | 1.0 | 1.0 | 1.7 | 2.7 | 16 | 3.0 | 2.3 | 0.93 |
| 9 | 3.8 | 4.2 | 3.0 | 2.0 | 1.0 | 1.0 | 1.7 | 3.0 | 5.2 | 3.7 | 2.2 | 0.80 |
| 10 | 3.9 | 4.2 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.2 | 4.9 | 2.8 | 2.2 | 0.73 |
| 11 | 4.0 | 4.3 | 3.0 | 2.0 | 1.0 | 1.0 | 2.0 | 3.2 | 4.0 | 2.5 | 2.0 | 0.80 |
| 12 | 4.1 | 4.3 | 3.0 | 2.0 | 1.0 | 1.0 | 3.0 | 2.8 | 3.6 | 2.6 | 2.5 | 1.5 |
| 13 | 4.8 | 4.2 | 3.0 | 2.0 | 1.0 | 1.0 | 3.5 | 2.7 | 3.8 | 2.7 | 2.3 | 0.93 |
| 14 | 5.2 | 4.3 | 3.0 | 2.0 | 1.0 | 1.0 | 3.5 | 2.6 | 4.0 | 2.5 | 2.0 | 0.84 |
| 15 | 4.7 | 5.4 | 3.0 | 2.0 | 1.0 | 1.0 | 4.0 | 2.6 | 4.2 | 2.4 | 1.7 | 1.0 |
| 16 | 4.3 | 4.2 | 2.5 | 1.5 | 0.90 | 1.5 | 4.5 | 2.8 | 4.1 | 2.4 | 1.5 | 1.5 |
| 17 | 4.8 | 4.0 | 2.5 | 1.5 | 0.90 | 1.5 | 5.0 | 3.2 | 3.9 | 2.6 | 1.5 | 1.0 |
| 18 | 4.8 | 4.0 | 2.5 | 1.5 | 0.90 | 1.5 | 5.5 | 3.2 | 3.7 | 2.4 | 1.4 | 0.89 |
| 19 | 4.9 | 3.9 | 2.5 | 1.5 | 0.90 | 1.5 | 6.0 | 3.2 | 3.2 | 2.2 | 1.4 | 1.1 |
| 20 | 4.9 | 3.8 | 2.5 | 1.5 | 0.90 | 1.5 | 6.5 | 3.2 | 3.2 | 2.4 | 1.3 | 0.97 |
| 21 | 4.9 | 3.7 | 2.5 | 1.5 | 0.90 | 1.5 | 7.0 | 3.2 | 10 | 2.6 | 1.3 | 1.0 |
| 22 | 4.9 | 3.6 | 2.5 | 1.5 | 0.90 | 1.5 | 7.6 | 3.3 | 18 | 2.6 | 1.2 | 1.4 |
| 23 | 4.9 | 3.5 | 2.5 | 1.5 | 0.80 | 1.5 | 6.4 | 3.9 | 15 | 2.6 | 1.1 | 1.4 |
| 24 | 5.0 | 3.4 | 2.5 | 1.5 | 0.90 | 1.5 | 6.2 | 4.1 | 8.1 | 2.7 | 1.1 | 1.4 |
| 25 | 5.0 | 4.3 | 2.5 | 1.5 | 0.90 | 1.5 | 5.9 | 4.1 | 2.6 | 2.7 | 1.0 | 1.3 |
| 26 | 5.4 | 3.3 | 2.5 | 1.5 | 0.90 | 1.5 | 5.6 | 4.3 | 2.4 | 2.6 | 0.95 | 1.4 |
| 27 | 5.5 | 3.2 | 2.5 | 1.5 | 0.90 | 1.5 | 5.8 | 4.7 | 2.0 | 2.6 | 0.93 | 1.7 |
| 28 | 5.6 | 3.1 | 2.5 | 1.5 | 0.90 | 1.5 | 6.7 | 4.9 | 2.2 | 2.6 | 0.97 | 2.2 |
| 29 | 5.9 | 3.0 | 2.5 | 1.5 | --- | 1.5 | 7.6 | 4.0 | 2.4 | 2.5 | 0.97 | 1.9 |
| 30 | 6.4 | 3.0 | 2.5 | 1.5 | --- | 1.5 | 8.6 | 3.3 | 2.3 | 2.4 | 0.93 | 1.6 |
| 31 | 6.2 | --- | 2.5 | 1.5 | --- | 1.5 | --- | 3.2 | --- | 2.3 | 0.84 | --- |
| TOTAL | 144.9 | 130.7 | 85.0 | 54.0 | 26.60 | 39.0 | 126.6 | 100.2 | 166.8 | 77.9 | 53.69 | 35.22 |
| MEAN | 4.67 | 4.36 | 2.74 | 1.74 | 0.95 | 1.26 | 4.22 | 3.23 | 5.56 | 2.51 | 1.73 | 1.17 |
| AC-FT | 287 | 259 | 169 | 107 | 53 | 77 | 251 | 199 | 331 | 155 | 106 | 70 |
| MAX | 6.4 | 6.2 | 3.0 | 2.0 | 1.0 | 1.5 | 8.6 | 4.9 | 18 | 3.7 | 2.7 | 2.2 |
| MIN | 3.7 | 3.0 | 2.5 | 1.5 | 0.80 | 1.0 | 1.4 | 2.5 | 2.0 | 2.1 | 0.84 | 0.73 |

CAL YR 1984 TOTAL 1472.80 MEAN 4.02 MAX 34 MIN 0.80 AC-FT 2920
WTR YR 1985 TOTAL 1040.61 MEAN 2.85 MAX 18 MIN 0.73 AC-FT 2060

MAX DISCH 47.8 CFS AT 2000 07-JUN-1985 GH 2.33 FT. SHIFT 0.02 FT. MAX GH 2.33 FT. AT 2000 07-JUN-1985



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO (1986)

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24in. corrugated metal box. Control is 120° V-notch weir. Datum of gage is 9,980 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 1, 1985-May 27, 1986. Recorder malfunctioned from Jun. 2-18, 1986. Transmountain diversions above station diverted May 27-Jul. 12, Aug. 2-7, 1986 through Busk-Ivanhoe and Boustead Tunnels. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

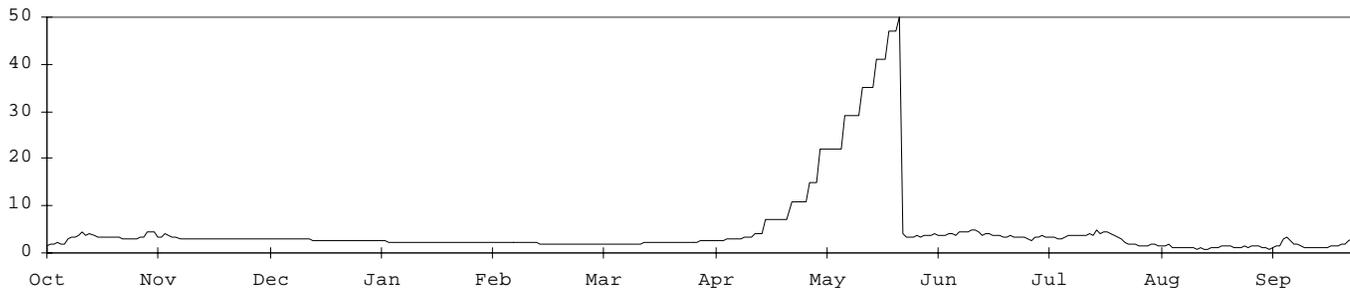
RATING TABLE.--IVCRNACO03 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 1 | 1.6 | 3.5 | 3.0 | 2.5 | 2.1 | 2.0 | 2.5 | 15 | 3.4 | 2.9 | 1.6 | 1.5 |
| 2 | 1.8 | 3.4 | 2.8 | 2.5 | 2.1 | 2.0 | 2.5 | 15 | 3.7 | 2.6 | 1.6 | 1.6 |
| 3 | 2.0 | 4.1 | 2.8 | 2.5 | 2.1 | 2.0 | 2.6 | 15 | 3.8 | 3.2 | 1.5 | 1.5 |
| 4 | 2.3 | 3.6 | 2.8 | 2.4 | 2.1 | 1.9 | 2.6 | 22 | 3.9 | 3.3 | 1.9 | 1.3 |
| 5 | 2.0 | 3.5 | 2.8 | 2.4 | 2.1 | 2.0 | 2.6 | 22 | 4.1 | 3.6 | 1.8 | 1.1 |
| 6 | 2.0 | 3.3 | 2.8 | 2.4 | 2.1 | 2.0 | 2.6 | 22 | 3.9 | 3.4 | 1.6 | 0.91 |
| 7 | 2.9 | 3.1 | 2.8 | 2.4 | 2.1 | 2.0 | 2.6 | 22 | 3.7 | 3.2 | 1.6 | 0.97 |
| 8 | 3.2 | 3.1 | 2.8 | 2.4 | 2.1 | 2.0 | 3.0 | 22 | 3.9 | 3.2 | 1.6 | 1.4 |
| 9 | 3.3 | 3.1 | 2.8 | 2.4 | 2.1 | 2.0 | 3.0 | 22 | 4.1 | 3.1 | 1.7 | 1.5 |
| 10 | 3.9 | 3.1 | 2.8 | 2.4 | 2.1 | 2.0 | 3.0 | 22 | 4.0 | 3.0 | 1.3 | 2.9 |
| 11 | 4.3 | 3.1 | 2.8 | 2.3 | 2.1 | 2.0 | 3.0 | 29 | 3.9 | 3.4 | 1.2 | 3.2 |
| 12 | 3.9 | 3.1 | 2.8 | 2.3 | 2.1 | 2.0 | 3.0 | 29 | 4.5 | 3.7 | 1.2 | 2.6 |
| 13 | 4.0 | 3.1 | 2.8 | 2.3 | 2.1 | 2.0 | 3.5 | 29 | 4.6 | 3.6 | 1.2 | 1.8 |
| 14 | 3.7 | 3.1 | 2.6 | 2.3 | 2.1 | 2.0 | 3.5 | 29 | 4.6 | 3.6 | 1.2 | 1.7 |
| 15 | 3.4 | 3.1 | 2.6 | 2.3 | 2.0 | 2.0 | 3.5 | 29 | 4.7 | 3.6 | 1.1 | 1.4 |
| 16 | 3.5 | 3.1 | 2.6 | 2.3 | 2.0 | 2.2 | 4.0 | 35 | 5.0 | 3.6 | 0.97 | 1.3 |
| 17 | 3.2 | 3.1 | 2.6 | 2.3 | 2.0 | 2.2 | 4.0 | 35 | 4.5 | 3.6 | 0.93 | 1.3 |
| 18 | 3.3 | 3.1 | 2.6 | 2.3 | 2.0 | 2.2 | 4.0 | 35 | 3.9 | 4.0 | 0.94 | 1.3 |
| 19 | 3.2 | 3.0 | 2.6 | 2.3 | 2.0 | 2.2 | 7.0 | 35 | 4.2 | 3.9 | 0.89 | 1.3 |
| 20 | 3.2 | 3.0 | 2.6 | 2.3 | 2.0 | 2.2 | 7.0 | 41 | 4.0 | 4.8 | 0.93 | 1.2 |
| 21 | 3.2 | 3.0 | 2.6 | 2.3 | 2.0 | 2.2 | 7.0 | 41 | 3.9 | 4.1 | 1.1 | 1.2 |
| 22 | 3.1 | 3.0 | 2.6 | 2.3 | 2.0 | 2.2 | 7.0 | 41 | 3.7 | 4.3 | 1.3 | 1.1 |
| 23 | 2.9 | 3.0 | 2.6 | 2.3 | 2.0 | 2.2 | 7.0 | 47 | 3.6 | 4.4 | 1.2 | 1.4 |
| 24 | 2.8 | 3.0 | 2.6 | 2.2 | 2.0 | 2.2 | 7.0 | 47 | 3.5 | 4.1 | 1.4 | 1.5 |
| 25 | 2.8 | 3.0 | 2.5 | 2.2 | 2.0 | 2.4 | 7.0 | 47 | 3.3 | 3.6 | 1.5 | 1.6 |
| 26 | 2.9 | 3.0 | 2.5 | 2.2 | 2.0 | 2.4 | 11 | 50 | 3.7 | 3.2 | 1.6 | 1.9 |
| 27 | 3.3 | 3.0 | 2.5 | 2.2 | 2.0 | 2.4 | 11 | 4.1 | 3.5 | 2.9 | 1.2 | 2.0 |
| 28 | 3.4 | 3.0 | 2.5 | 2.2 | 2.0 | 2.4 | 11 | 3.2 | 3.3 | 2.3 | 1.1 | 2.6 |
| 29 | 4.3 | 3.0 | 2.5 | 2.2 | --- | 2.4 | 11 | 3.5 | 3.2 | 2.0 | 1.1 | 2.9 |
| 30 | 4.4 | 3.0 | 2.5 | 2.2 | --- | 2.4 | 11 | 3.5 | 3.2 | 1.9 | 1.4 | 2.6 |
| 31 | 4.3 | --- | 2.5 | 2.2 | --- | 2.4 | --- | 3.7 | --- | 2.0 | 1.3 | --- |
| TOTAL | 98.1 | 94.6 | 82.7 | 71.8 | 57.4 | 66.5 | 159.5 | 816.0 | 117.3 | 104.1 | 40.95 | 50.58 |
| MEAN | 3.16 | 3.15 | 2.67 | 2.32 | 2.05 | 2.15 | 5.32 | 26.3 | 3.91 | 3.36 | 1.32 | 1.69 |
| AC-FT | 195 | 188 | 164 | 142 | 114 | 132 | 316 | 1620 | 233 | 206 | 81 | 100 |
| MAX | 4.4 | 4.1 | 3.0 | 2.5 | 2.1 | 2.4 | 11 | 50 | 5.0 | 4.8 | 1.9 | 3.2 |
| MIN | 1.6 | 3.0 | 2.5 | 2.2 | 2.0 | 1.9 | 2.5 | 3.2 | 3.2 | 1.9 | 0.89 | 0.91 |

CAL YR 1985 TOTAL 955.41 MEAN 2.62 MAX 18 MIN 0.73 AC-FT 1900
WTR YR 1986 TOTAL 1759.53 MEAN 4.82 MAX 50 MIN 0.89 AC-FT 3490

MAX DISCH 50 CFS 26-MAY-1986



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO (1987)

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24in. corrugated metal box. Control is 120° V-notch weir. Altitude of gage is 9,980 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 5, 1986-May 7, 1987. Transmountain diversions above station diverted May 14-Jun. 3, 1987 through Busk-Ivanhoe and Boustead Tunnels. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

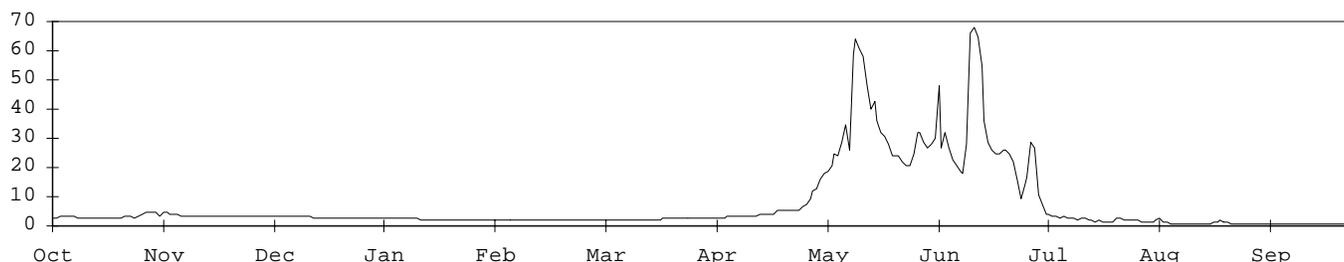
RATING TABLE.--IVCRNACO03 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 1 | 2.4 | 3.6 | 3.3 | 2.5 | 2.0 | 1.9 | 2.8 | 7.1 | 32 | 14 | 2.3 | 0.73 |
| 2 | 2.8 | 4.6 | 3.3 | 2.5 | 1.9 | 1.9 | 2.8 | 9.2 | 32 | 17 | 1.8 | 0.73 |
| 3 | 3.0 | 4.8 | 3.3 | 2.5 | 1.9 | 1.9 | 2.8 | 12 | 29 | 29 | 1.4 | 0.73 |
| 4 | 3.4 | 4.3 | 3.1 | 2.5 | 1.9 | 1.9 | 2.8 | 13 | 27 | 27 | 1.3 | 0.69 |
| 5 | 3.5 | 4.0 | 3.1 | 2.5 | 1.9 | 1.9 | 2.8 | 16 | 28 | 11 | 1.1 | 0.66 |
| 6 | 3.5 | 3.7 | 3.1 | 2.5 | 1.9 | 1.9 | 2.8 | 18 | 30 | 7.4 | 1.1 | 0.61 |
| 7 | 3.2 | 3.5 | 3.1 | 2.5 | 1.9 | 1.9 | 2.8 | 19 | 48 | 4.3 | 1.9 | 0.59 |
| 8 | 3.1 | 3.5 | 3.1 | 2.5 | 1.9 | 1.9 | 2.8 | 21 | 27 | 3.9 | 2.4 | 0.62 |
| 9 | 2.9 | 3.5 | 3.1 | 2.5 | 1.9 | 2.1 | 3.4 | 25 | 32 | 3.5 | 1.4 | 0.59 |
| 10 | 2.6 | 3.5 | 3.1 | 2.5 | 1.9 | 2.1 | 3.4 | 24 | 27 | 3.2 | 1.2 | 0.56 |
| 11 | 2.9 | 3.5 | 3.1 | 2.5 | 1.9 | 2.1 | 3.4 | 29 | 23 | 2.9 | 1.0 | 0.52 |
| 12 | 2.6 | 3.5 | 3.1 | 2.5 | 1.9 | 2.1 | 3.4 | 35 | 21 | 3.2 | 0.97 | 0.52 |
| 13 | 2.6 | 3.5 | 3.1 | 2.3 | 1.9 | 2.1 | 3.4 | 26 | 19 | 3.0 | 0.97 | 0.50 |
| 14 | 2.6 | 3.5 | 3.0 | 2.3 | 1.9 | 2.1 | 3.4 | 59 | 18 | 2.6 | 0.97 | 0.59 |
| 15 | 2.8 | 3.5 | 3.0 | 2.3 | 1.9 | 2.1 | 3.4 | 64 | 28 | 2.4 | 0.84 | 0.76 |
| 16 | 2.8 | 3.4 | 3.0 | 2.3 | 1.9 | 2.1 | 3.4 | 61 | 66 | 2.2 | 0.76 | 0.89 |
| 17 | 2.7 | 3.4 | 3.0 | 2.3 | 1.9 | 2.1 | 3.4 | 58 | 68 | 2.7 | 0.66 | 0.84 |
| 18 | 2.7 | 3.4 | 3.0 | 2.3 | 1.9 | 2.1 | 4.1 | 48 | 65 | 2.8 | 0.62 | 0.73 |
| 19 | 2.7 | 3.4 | 3.0 | 2.3 | 1.9 | 2.1 | 4.1 | 40 | 55 | 2.0 | 0.59 | 0.66 |
| 20 | 3.0 | 3.4 | 3.0 | 2.3 | 1.9 | 2.1 | 4.1 | 43 | 36 | 1.8 | 0.59 | 0.59 |
| 21 | 3.0 | 3.4 | 3.0 | 2.3 | 1.8 | 2.1 | 4.1 | 36 | 29 | 1.6 | 0.59 | 0.56 |
| 22 | 3.2 | 3.4 | 2.7 | 2.3 | 1.9 | 2.5 | 4.1 | 32 | 26 | 1.7 | 0.97 | 0.56 |
| 23 | 3.4 | 3.4 | 2.7 | 2.3 | 1.9 | 2.5 | 5.3 | 31 | 25 | 1.4 | 1.3 | 0.52 |
| 24 | 3.2 | 3.4 | 2.7 | 2.0 | 1.9 | 2.5 | 5.3 | 28 | 25 | 1.2 | 1.6 | 0.52 |
| 25 | 3.0 | 3.4 | 2.7 | 2.0 | 1.9 | 2.5 | 5.3 | 24 | 26 | 1.2 | 1.8 | 0.50 |
| 26 | 3.1 | 3.4 | 2.7 | 2.0 | 1.9 | 2.5 | 5.3 | 24 | 26 | 1.6 | 1.5 | 0.50 |
| 27 | 3.7 | 3.3 | 2.7 | 2.0 | 1.9 | 2.5 | 5.3 | 24 | 25 | 2.6 | 1.1 | 0.50 |
| 28 | 4.4 | 3.3 | 2.7 | 2.0 | 1.9 | 2.5 | 5.3 | 22 | 22 | 2.9 | 0.97 | 0.50 |
| 29 | 5.0 | 3.3 | 2.7 | 2.0 | --- | 2.5 | 5.3 | 21 | 16 | 2.3 | 0.97 | 0.47 |
| 30 | 4.7 | 3.3 | 2.7 | 2.0 | --- | 2.5 | 6.6 | 21 | 9.2 | 2.0 | 0.89 | 0.47 |
| 31 | 4.7 | --- | 2.5 | 2.0 | --- | 2.5 | --- | 25 | --- | 2.0 | 0.76 | --- |
| TOTAL | 99.2 | 107.1 | 91.7 | 71.3 | 53.2 | 67.5 | 117.2 | 915.3 | 940.2 | 166.4 | 36.33 | 18.17 |
| MEAN | 3.20 | 3.57 | 2.96 | 2.30 | 1.90 | 2.18 | 3.91 | 29.5 | 31.3 | 5.37 | 1.17 | 0.61 |
| AC-FT | 197 | 212 | 182 | 141 | 106 | 134 | 232 | 1820 | 1860 | 330 | 72 | 36 |
| MAX | 5.0 | 4.8 | 3.3 | 2.5 | 2.0 | 2.5 | 6.6 | 64 | 68 | 29 | 2.4 | 0.89 |
| MIN | 2.4 | 3.3 | 2.5 | 2.0 | 1.8 | 1.9 | 2.8 | 7.1 | 9.2 | 1.2 | 0.59 | 0.47 |

CAL YR 1986 TOTAL 1781.33 MEAN 4.88 MAX 50 MIN 0.89 AC-FT 3530
WTR YR 1987 TOTAL 2683.60 MEAN 7.35 MAX 68 MIN 0.47 AC-FT 5320

MAX DISCH 92.2 CFS AT 2030 14-MAY-1987 GH 2.83 FT. SHIFT +0.02 FT. MAX GH 2.83 FT. AT 2030 14-MAY-1987



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO (1988)

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24in. corrugated metal box. Control is 120° V-notch weir. Datum of gage is 9,980 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Oct. 31, 1987-Jun. 2, 1988. Clock stopped from Jul. 2-19, Aug. 2-17, Sept. 11-15, Sept. 19-30. Transmountain diversions above station diverted Jun. 16-Jul. 2, 1988 through Busk-Ivanhoe and Boustead Tunnels. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

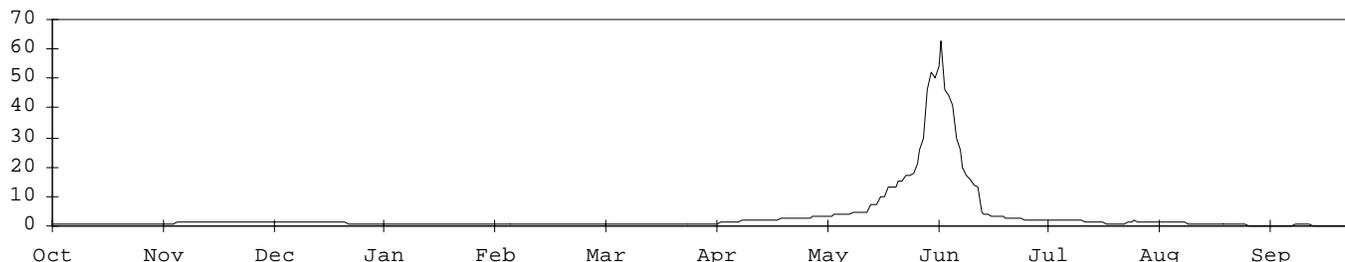
RATING TABLE.--IVCRNACO3 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1 | 0.52 | 0.59 | 1.0 | 0.98 | 0.95 | 0.94 | 0.97 | 2.9 | 26 | 2.1 | 1.4 | 0.33 |
| 2 | 0.50 | 0.63 | 1.0 | 0.98 | 0.95 | 0.94 | 0.97 | 3.1 | 30 | 2.1 | 1.4 | 0.29 |
| 3 | 0.50 | 0.71 | 1.0 | 0.97 | 0.95 | 0.94 | 0.97 | 3.1 | 46 | 2.0 | 1.4 | 0.29 |
| 4 | 0.47 | 0.85 | 1.0 | 0.97 | 0.95 | 0.94 | 0.97 | 3.1 | 52 | 2.0 | 1.4 | 0.27 |
| 5 | 0.47 | 0.91 | 1.0 | 0.97 | 0.95 | 0.93 | 0.97 | 3.1 | 50 | 2.0 | 1.4 | 0.25 |
| 6 | 0.47 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 1.5 | 3.1 | 54 | 2.0 | 1.3 | 0.25 |
| 7 | 0.47 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 1.5 | 3.1 | 63 | 1.9 | 1.2 | 0.23 |
| 8 | 0.41 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 1.5 | 3.7 | 46 | 1.9 | 1.2 | 0.21 |
| 9 | 0.38 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 1.5 | 3.7 | 44 | 1.8 | 1.2 | 0.21 |
| 10 | 0.38 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 1.5 | 3.7 | 41 | 1.8 | 1.2 | 0.25 |
| 11 | 0.38 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 1.5 | 3.7 | 30 | 1.8 | 1.1 | 0.27 |
| 12 | 0.38 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 2.1 | 3.7 | 26 | 1.8 | 1.1 | 0.30 |
| 13 | 0.38 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 2.1 | 4.5 | 20 | 1.8 | 1.0 | 0.32 |
| 14 | 0.38 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 2.1 | 4.5 | 17 | 1.7 | 1.0 | 0.37 |
| 15 | 0.44 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 2.1 | 4.5 | 16 | 1.7 | 0.95 | 0.39 |
| 16 | 0.47 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 2.1 | 4.5 | 14 | 1.7 | 0.84 | 0.41 |
| 17 | 0.44 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 2.1 | 4.5 | 13 | 1.6 | 0.75 | 0.36 |
| 18 | 0.41 | 1.0 | 1.0 | 0.97 | 0.95 | 0.94 | 2.1 | 7.2 | 4.3 | 1.6 | 0.69 | 0.34 |
| 19 | 0.41 | 1.0 | 1.0 | 0.96 | 0.95 | 0.94 | 2.1 | 7.2 | 3.9 | 1.5 | 0.59 | 0.33 |
| 20 | 0.38 | 1.0 | 1.0 | 0.96 | 0.95 | 0.94 | 2.1 | 7.2 | 3.7 | 1.4 | 0.50 | 0.32 |
| 21 | 0.37 | 1.0 | 1.0 | 0.96 | 0.95 | 0.94 | 2.1 | 9.6 | 3.6 | 1.1 | 0.56 | 0.30 |
| 22 | 0.36 | 1.0 | 1.0 | 0.96 | 0.94 | 0.94 | 2.1 | 9.6 | 3.4 | 1.0 | 0.62 | 0.29 |
| 23 | 0.36 | 1.0 | 1.0 | 0.96 | 0.94 | 0.97 | 2.9 | 13 | 3.2 | 0.93 | 0.59 | 0.28 |
| 24 | 0.36 | 1.0 | 0.98 | 0.96 | 0.94 | 0.97 | 2.9 | 13 | 3.1 | 0.84 | 0.50 | 0.29 |
| 25 | 0.52 | 1.0 | 0.98 | 0.96 | 0.94 | 0.97 | 2.9 | 13 | 2.9 | 0.89 | 0.44 | 0.26 |
| 26 | 0.59 | 1.0 | 0.98 | 0.96 | 0.94 | 0.97 | 2.9 | 15 | 2.7 | 0.89 | 0.41 | 0.25 |
| 27 | 0.69 | 1.0 | 0.98 | 0.96 | 0.94 | 0.97 | 2.9 | 15 | 2.5 | 0.97 | 0.38 | 0.27 |
| 28 | 0.62 | 1.0 | 0.98 | 0.96 | 0.94 | 0.97 | 2.9 | 17 | 2.4 | 0.93 | 0.38 | 0.25 |
| 29 | 0.66 | 1.0 | 0.98 | 0.96 | 0.94 | 0.97 | 2.9 | 17 | 2.4 | 1.2 | 0.36 | 0.24 |
| 30 | 0.76 | 1.0 | 0.98 | 0.96 | --- | 0.97 | 2.9 | 18 | 2.2 | 1.3 | 0.34 | 0.25 |
| 31 | 0.55 | --- | 0.98 | 0.96 | --- | 0.97 | --- | 21 | --- | 1.9 | 0.34 | --- |
| TOTAL | 14.49 | 28.69 | 30.84 | 29.96 | 27.47 | 29.40 | 60.15 | 245.3 | 628.3 | 48.15 | 26.52 | 8.68 |
| MEAN | 0.47 | 0.96 | 0.99 | 0.97 | 0.95 | 0.95 | 2.01 | 7.91 | 20.9 | 1.55 | 0.86 | 0.29 |
| AC-FT | 29 | 57 | 61 | 59 | 54 | 58 | 119 | 487 | 1250 | 95 | 53 | 17 |
| MAX | 0.76 | 1.0 | 1.0 | 0.98 | 0.95 | 0.97 | 2.9 | 21 | 63 | 2.1 | 1.4 | 0.41 |
| MIN | 0.36 | 0.59 | 0.98 | 0.96 | 0.94 | 0.93 | 0.97 | 2.9 | 2.2 | 0.84 | 0.34 | 0.21 |

CAL YR 1987 TOTAL 2459.62 MEAN 6.74 MAX 68 MIN 0.36 AC-FT 4880
WTR YR 1988 TOTAL 1177.95 MEAN 3.22 MAX 63 MIN 0.21 AC-FT 2340

MAX DISCH 85.8 CFS AT 2030 06-JUN-1988 GH 2.75 FT. SHIFT +0.19 FT. MAX GH 2.75 FT. AT 2030 06-JUN-1988



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO (1989)

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.-- Graphic water-stage recorder in wooden box on a 24in. corrugated metal box. Control is 120° V-notch weir. Datum of gage is 9,980 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Clock stopped from Oct. 1-3. 8-31, 1988. Station was ice affected from Nov. 4, 1988-Apr. 21, 1989. Transmountain diversions above station diverted Apr. 21-Jun. 24, 1989 through Busk-Ivanhoe and Boustead Tunnels. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

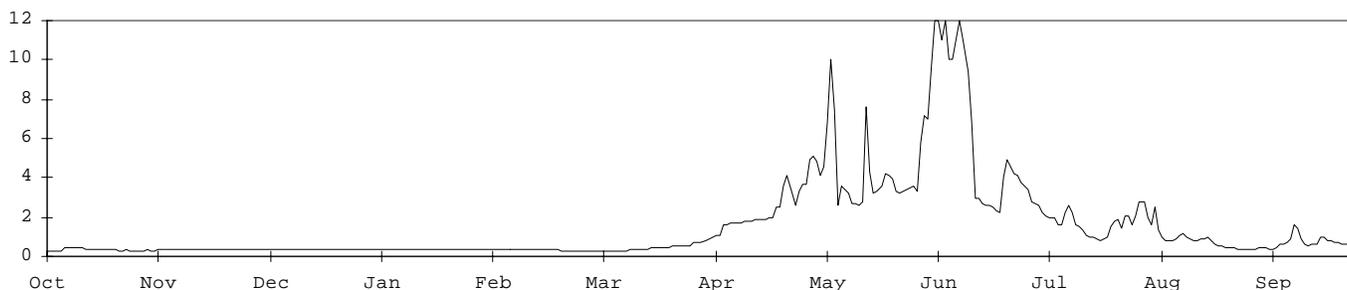
RATING TABLE.--IVCRNAC003 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 0.26 | 0.34 | 0.34 | 0.33 | 0.32 | 0.31 | 0.75 | 4.9 | 5.8 | 3.4 | 2.8 | 0.38 |
| 2 | 0.27 | 0.34 | 0.34 | 0.33 | 0.32 | 0.31 | 0.81 | 5.1 | 7.2 | 2.8 | 2.8 | 0.38 |
| 3 | 0.28 | 0.38 | 0.34 | 0.33 | 0.32 | 0.30 | 0.90 | 4.8 | 7.0 | 2.7 | 2.0 | 0.41 |
| 4 | 0.27 | 0.35 | 0.34 | 0.33 | 0.32 | 0.31 | 1.0 | 4.1 | 9.6 | 2.6 | 1.6 | 0.41 |
| 5 | 0.31 | 0.35 | 0.34 | 0.33 | 0.32 | 0.31 | 1.1 | 4.6 | 12 | 2.2 | 2.5 | 0.41 |
| 6 | 0.47 | 0.35 | 0.34 | 0.33 | 0.32 | 0.31 | 1.1 | 6.8 | 12 | 2.1 | 1.3 | 0.38 |
| 7 | 0.44 | 0.35 | 0.34 | 0.33 | 0.32 | 0.31 | 1.6 | 10 | 11 | 2.0 | 0.97 | 0.38 |
| 8 | 0.44 | 0.35 | 0.34 | 0.33 | 0.32 | 0.31 | 1.6 | 7.4 | 12 | 2.0 | 0.80 | 0.44 |
| 9 | 0.42 | 0.35 | 0.34 | 0.33 | 0.32 | 0.31 | 1.7 | 2.6 | 10 | 1.6 | 0.80 | 0.62 |
| 10 | 0.43 | 0.35 | 0.34 | 0.33 | 0.32 | 0.31 | 1.7 | 3.6 | 10 | 1.6 | 0.84 | 0.66 |
| 11 | 0.41 | 0.35 | 0.34 | 0.33 | 0.32 | 0.31 | 1.7 | 3.4 | 11 | 2.2 | 0.93 | 0.73 |
| 12 | 0.40 | 0.35 | 0.34 | 0.33 | 0.32 | 0.34 | 1.7 | 3.2 | 12 | 2.6 | 1.1 | 0.93 |
| 13 | 0.39 | 0.35 | 0.34 | 0.33 | 0.32 | 0.34 | 1.8 | 2.7 | 11 | 2.2 | 1.2 | 1.6 |
| 14 | 0.37 | 0.34 | 0.34 | 0.33 | 0.32 | 0.34 | 1.8 | 2.7 | 9.4 | 1.6 | 0.97 | 1.4 |
| 15 | 0.36 | 0.34 | 0.34 | 0.33 | 0.32 | 0.34 | 1.8 | 2.6 | 6.8 | 1.5 | 0.93 | 0.93 |
| 16 | 0.34 | 0.34 | 0.34 | 0.33 | 0.32 | 0.34 | 1.9 | 2.8 | 3.0 | 1.3 | 0.80 | 0.66 |
| 17 | 0.34 | 0.34 | 0.34 | 0.33 | 0.32 | 0.34 | 1.9 | 7.6 | 3.0 | 1.1 | 0.80 | 0.58 |
| 18 | 0.32 | 0.34 | 0.34 | 0.33 | 0.32 | 0.41 | 1.9 | 4.3 | 2.7 | 1.0 | 0.89 | 0.59 |
| 19 | 0.33 | 0.34 | 0.34 | 0.33 | 0.32 | 0.41 | 1.9 | 3.2 | 2.6 | 1.0 | 0.89 | 0.62 |
| 20 | 0.32 | 0.34 | 0.34 | 0.33 | 0.32 | 0.41 | 2.0 | 3.3 | 2.6 | 0.93 | 1.0 | 1.0 |
| 21 | 0.31 | 0.34 | 0.34 | 0.33 | 0.31 | 0.41 | 2.0 | 3.6 | 2.5 | 0.84 | 0.80 | 1.0 |
| 22 | 0.30 | 0.34 | 0.33 | 0.33 | 0.31 | 0.41 | 2.5 | 4.2 | 2.3 | 0.89 | 0.66 | 0.80 |
| 23 | 0.32 | 0.34 | 0.33 | 0.33 | 0.31 | 0.41 | 2.5 | 4.1 | 2.2 | 1.0 | 0.56 | 0.80 |
| 24 | 0.31 | 0.34 | 0.33 | 0.33 | 0.31 | 0.55 | 3.6 | 3.9 | 4.0 | 1.5 | 0.50 | 0.73 |
| 25 | 0.30 | 0.34 | 0.33 | 0.33 | 0.31 | 0.55 | 4.1 | 3.3 | 4.9 | 1.8 | 0.47 | 0.69 |
| 26 | 0.29 | 0.34 | 0.33 | 0.32 | 0.31 | 0.55 | 3.2 | 3.2 | 4.6 | 1.9 | 0.44 | 0.66 |
| 27 | 0.30 | 0.34 | 0.33 | 0.32 | 0.31 | 0.55 | 2.6 | 3.3 | 4.2 | 1.4 | 0.41 | 0.66 |
| 28 | 0.31 | 0.34 | 0.33 | 0.32 | 0.31 | 0.55 | 3.3 | 3.4 | 4.1 | 2.1 | 0.38 | 0.59 |
| 29 | 0.32 | 0.34 | 0.33 | 0.32 | --- | 0.55 | 3.7 | 3.5 | 3.8 | 2.1 | 0.36 | 0.56 |
| 30 | 0.31 | 0.34 | 0.33 | 0.32 | --- | 0.69 | 3.7 | 3.6 | 3.6 | 1.6 | 0.37 | 0.52 |
| 31 | 0.30 | --- | 0.33 | 0.32 | --- | 0.69 | --- | 3.3 | --- | 2.1 | 0.38 | --- |
| TOTAL | 10.54 | 10.34 | 10.44 | 10.17 | 8.88 | 12.58 | 61.86 | 129.1 | 196.9 | 55.66 | 31.26 | 20.52 |
| MEAN | 0.34 | 0.34 | 0.34 | 0.33 | 0.32 | 0.41 | 2.06 | 4.16 | 6.56 | 1.80 | 1.01 | 0.68 |
| AC-FT | 21 | 21 | 21 | 20 | 18 | 25 | 123 | 256 | 391 | 110 | 62 | 41 |
| MAX | 0.47 | 0.38 | 0.34 | 0.33 | 0.32 | 0.69 | 4.1 | 10 | 12 | 3.4 | 2.8 | 1.6 |
| MIN | 0.26 | 0.34 | 0.33 | 0.32 | 0.31 | 0.30 | 0.75 | 2.6 | 2.2 | 0.84 | 0.36 | 0.38 |

CAL YR 1988 TOTAL 1135.25 MEAN 3.10 MAX 63 MIN 0.21 AC-FT 2250
WTR YR 1989 TOTAL 558.25 MEAN 1.53 MAX 12 MIN 0.26 AC-FT 1110

MAX DISCH 15.5 CFS AT 2130 07-MAY-1989 GH 1.56 FT. SHIFT +0.02 FT. MAX GH 1.56 FT. AT 2130 07-MAY-1989



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO (1990)

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, Co.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder in wooden box on a 24in. corrugated metal box. Control is 120° V-notch weir. Datum of gage is 9,980 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Oct. 29, 1989-May 7, 1990. Transmountain diversions above station diverted May 7-Jul. 2, 1990 through Busk-Ivanhoe and Boustead Tunnels. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

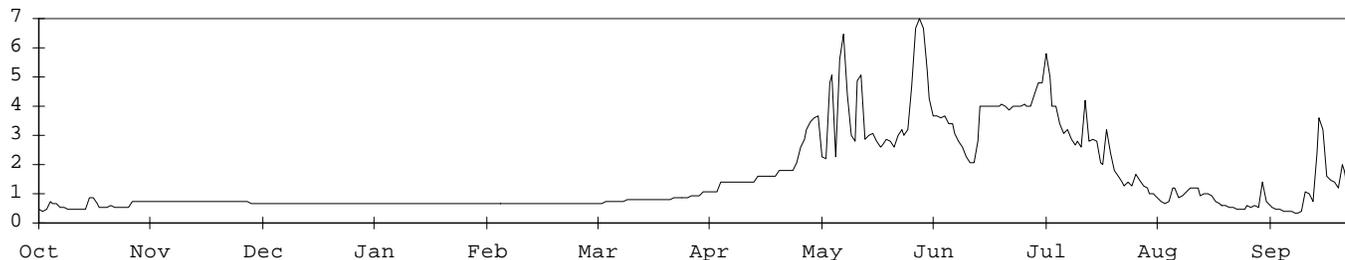
RATING TABLE.--IVCRNACO3 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| 1 | 0.50 | 0.73 | 0.70 | 0.69 | 0.68 | 0.67 | 0.95 | 2.6 | 4.7 | 4.0 | 1.3 | 0.50 |
| 2 | 0.50 | 0.73 | 0.70 | 0.69 | 0.68 | 0.67 | 0.95 | 2.9 | 6.7 | 4.1 | 1.7 | 0.59 |
| 3 | 0.41 | 0.73 | 0.70 | 0.69 | 0.68 | 0.70 | 0.95 | 3.2 | 7.0 | 4.0 | 1.5 | 0.56 |
| 4 | 0.47 | 0.73 | 0.70 | 0.69 | 0.68 | 0.70 | 1.1 | 3.5 | 6.7 | 4.0 | 1.3 | 0.58 |
| 5 | 0.76 | 0.72 | 0.70 | 0.69 | 0.68 | 0.70 | 1.1 | 3.6 | 5.2 | 4.4 | 1.2 | 0.56 |
| 6 | 0.69 | 0.72 | 0.70 | 0.69 | 0.68 | 0.70 | 1.1 | 3.7 | 4.3 | 4.8 | 1.0 | 1.4 |
| 7 | 0.66 | 0.72 | 0.70 | 0.69 | 0.68 | 0.70 | 1.1 | 2.3 | 3.7 | 4.8 | 0.97 | 0.73 |
| 8 | 0.56 | 0.72 | 0.70 | 0.69 | 0.67 | 0.75 | 1.1 | 2.2 | 3.7 | 5.8 | 0.84 | 0.59 |
| 9 | 0.52 | 0.72 | 0.70 | 0.69 | 0.67 | 0.75 | 1.4 | 4.8 | 3.6 | 5.0 | 0.73 | 0.52 |
| 10 | 0.50 | 0.72 | 0.70 | 0.69 | 0.67 | 0.75 | 1.4 | 5.1 | 3.7 | 4.0 | 0.69 | 0.50 |
| 11 | 0.47 | 0.72 | 0.70 | 0.69 | 0.67 | 0.75 | 1.4 | 2.3 | 3.4 | 4.0 | 0.73 | 0.44 |
| 12 | 0.44 | 0.72 | 0.70 | 0.69 | 0.67 | 0.75 | 1.4 | 5.6 | 3.4 | 3.4 | 1.2 | 0.41 |
| 13 | 0.44 | 0.72 | 0.70 | 0.69 | 0.67 | 0.75 | 1.4 | 6.5 | 3.1 | 3.1 | 1.2 | 0.38 |
| 14 | 0.47 | 0.72 | 0.70 | 0.69 | 0.67 | 0.80 | 1.4 | 4.4 | 2.8 | 3.2 | 0.89 | 0.38 |
| 15 | 0.50 | 0.71 | 0.70 | 0.69 | 0.67 | 0.80 | 1.4 | 3.0 | 2.6 | 2.9 | 0.93 | 0.36 |
| 16 | 0.84 | 0.71 | 0.70 | 0.69 | 0.67 | 0.80 | 1.4 | 2.8 | 2.3 | 2.7 | 1.1 | 0.34 |
| 17 | 0.84 | 0.71 | 0.70 | 0.69 | 0.67 | 0.80 | 1.4 | 4.9 | 2.1 | 2.8 | 1.2 | 0.41 |
| 18 | 0.69 | 0.71 | 0.70 | 0.69 | 0.67 | 0.80 | 1.4 | 5.1 | 2.1 | 2.6 | 1.2 | 1.1 |
| 19 | 0.56 | 0.71 | 0.70 | 0.69 | 0.67 | 0.80 | 1.6 | 2.9 | 2.8 | 4.2 | 1.2 | 1.0 |
| 20 | 0.56 | 0.71 | 0.70 | 0.68 | 0.67 | 0.80 | 1.6 | 3.0 | 4.0 | 2.8 | 0.92 | 0.73 |
| 21 | 0.56 | 0.71 | 0.70 | 0.68 | 0.67 | 0.80 | 1.6 | 3.1 | 4.0 | 2.9 | 1.0 | 2.4 |
| 22 | 0.59 | 0.71 | 0.70 | 0.68 | 0.67 | 0.80 | 1.6 | 2.8 | 4.0 | 2.8 | 1.0 | 3.6 |
| 23 | 0.56 | 0.71 | 0.69 | 0.68 | 0.67 | 0.83 | 1.6 | 2.6 | 4.0 | 2.1 | 0.93 | 3.2 |
| 24 | 0.52 | 0.71 | 0.69 | 0.68 | 0.67 | 0.83 | 1.6 | 2.7 | 4.0 | 2.0 | 0.76 | 1.6 |
| 25 | 0.52 | 0.71 | 0.69 | 0.68 | 0.66 | 0.83 | 1.8 | 2.9 | 4.0 | 3.2 | 0.66 | 1.5 |
| 26 | 0.52 | 0.71 | 0.69 | 0.68 | 0.67 | 0.83 | 1.8 | 2.8 | 4.1 | 2.4 | 0.62 | 1.4 |
| 27 | 0.56 | 0.71 | 0.69 | 0.68 | 0.67 | 0.87 | 1.8 | 2.6 | 4.0 | 1.8 | 0.59 | 1.2 |
| 28 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 | 0.87 | 1.8 | 3.0 | 3.9 | 1.6 | 0.56 | 2.0 |
| 29 | 0.73 | 0.71 | 0.69 | 0.68 | --- | 0.87 | 1.8 | 3.2 | 4.0 | 1.4 | 0.52 | 1.8 |
| 30 | 0.73 | 0.70 | 0.69 | 0.68 | --- | 0.87 | 2.1 | 3.0 | 4.0 | 1.3 | 0.50 | 1.1 |
| 31 | 0.73 | --- | 0.69 | 0.68 | --- | 0.89 | --- | 3.2 | --- | 1.4 | 0.50 | --- |
| TOTAL | 18.11 | 21.47 | 21.61 | 21.27 | 18.82 | 24.23 | 43.05 | 106.3 | 117.9 | 99.5 | 29.43 | 31.87 |
| MEAN | 0.58 | 0.72 | 0.70 | 0.69 | 0.67 | 0.78 | 1.43 | 3.43 | 3.93 | 3.21 | 0.95 | 1.06 |
| AC-FT | 36 | 43 | 43 | 42 | 37 | 48 | 85 | 211 | 234 | 197 | 58 | 63 |
| MAX | 0.84 | 0.73 | 0.70 | 0.69 | 0.68 | 0.89 | 2.1 | 6.5 | 7.0 | 5.8 | 1.7 | 3.6 |
| MIN | 0.41 | 0.70 | 0.69 | 0.68 | 0.66 | 0.67 | 0.95 | 2.2 | 2.1 | 1.3 | 0.50 | 0.34 |

CAL YR 1989 TOTAL 579.62 MEAN 1.59 MAX 12 MIN 0.30 AC-FT 1150
WTR YR 1990 TOTAL 553.55 MEAN 1.52 MAX 7.0 MIN 0.34 AC-FT 1100

MAX DISCH 13.5 CFS AT 0900 12-MAY-1990 GH 1.51 FT. SHIFT -0.01 FT. MAX GH 1.51 FT. AT 0900 12-MAY-1990



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO (1983)

LOCATION.--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4 in steel pipe well. Control is 6.2 ft concrete suppressed weir. Datum of gage is 9,990 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Oct. 28, 1982-May 4, 1983. Transmountain diversions above station diverted May 9, 1983-Sept. 12, 1983 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

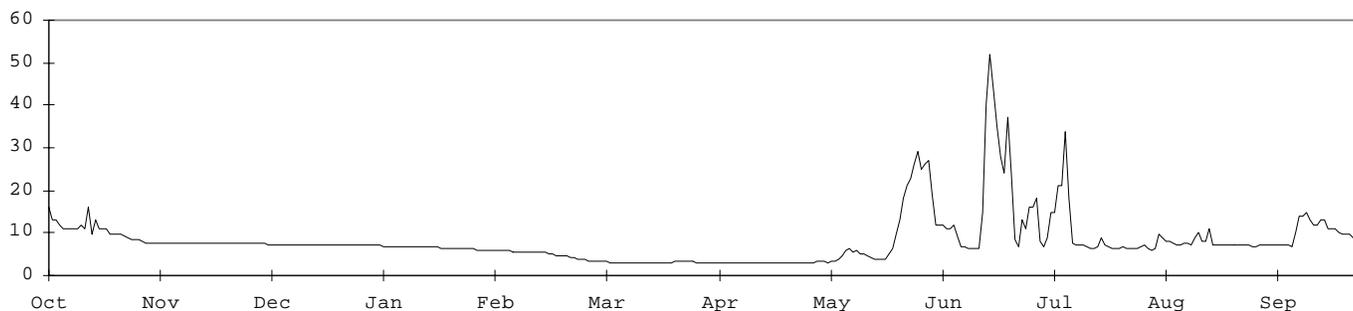
RATING TABLE.--FRYSFUC005 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|
| 1 | 16 | 7.7 | 7.3 | 7.1 | 6.1 | 3.5 | 3.1 | 3.1 | 26 | 16 | 7.0 | 6.7 |
| 2 | 13 | 7.7 | 7.3 | 6.9 | 5.9 | 3.5 | 3.1 | 3.2 | 27 | 18 | 6.2 | 7.0 |
| 3 | 13 | 7.7 | 7.3 | 6.9 | 5.9 | 3.3 | 3.1 | 3.3 | 19 | 8.0 | 5.9 | 7.0 |
| 4 | 12 | 7.7 | 7.3 | 6.9 | 5.9 | 3.3 | 3.1 | 3.2 | 12 | 6.7 | 6.2 | 7.0 |
| 5 | 11 | 7.6 | 7.3 | 6.9 | 5.9 | 3.3 | 3.1 | 3.0 | 12 | 8.7 | 9.8 | 7.0 |
| 6 | 11 | 7.6 | 7.3 | 6.9 | 5.9 | 3.1 | 3.1 | 3.4 | 12 | 15 | 8.7 | 7.0 |
| 7 | 11 | 7.6 | 7.3 | 6.9 | 5.7 | 3.1 | 3.1 | 3.4 | 11 | 15 | 7.9 | 7.0 |
| 8 | 11 | 7.6 | 7.3 | 6.9 | 5.7 | 2.8 | 3.1 | 3.8 | 11 | 21 | 7.9 | 7.0 |
| 9 | 11 | 7.5 | 7.3 | 6.9 | 5.7 | 3.0 | 3.0 | 4.7 | 12 | 21 | 7.6 | 7.0 |
| 10 | 12 | 7.5 | 7.3 | 6.7 | 5.7 | 3.0 | 3.0 | 5.9 | 9.2 | 34 | 7.3 | 7.0 |
| 11 | 11 | 7.5 | 7.3 | 6.7 | 5.7 | 3.0 | 3.0 | 6.2 | 6.7 | 18 | 7.3 | 6.7 |
| 12 | 16 | 7.5 | 7.3 | 6.7 | 5.5 | 3.0 | 3.0 | 5.6 | 6.7 | 7.6 | 7.6 | 10 |
| 13 | 9.6 | 7.5 | 7.3 | 6.7 | 5.5 | 3.0 | 3.0 | 5.9 | 6.4 | 7.3 | 7.6 | 14 |
| 14 | 13 | 7.5 | 7.3 | 6.7 | 5.5 | 3.0 | 3.0 | 5.2 | 6.2 | 7.0 | 7.3 | 14 |
| 15 | 11 | 7.5 | 7.3 | 6.7 | 5.5 | 3.0 | 3.0 | 5.2 | 6.2 | 7.0 | 9.0 | 15 |
| 16 | 11 | 7.5 | 7.3 | 6.7 | 5.3 | 3.0 | 2.9 | 4.7 | 6.2 | 6.7 | 10 | 13 |
| 17 | 11 | 7.5 | 7.3 | 6.7 | 5.1 | 3.0 | 2.9 | 4.2 | 15 | 6.4 | 8.2 | 12 |
| 18 | 9.9 | 7.5 | 7.3 | 6.5 | 5.1 | 3.0 | 2.9 | 4.0 | 40 | 6.4 | 8.2 | 12 |
| 19 | 9.6 | 7.5 | 7.1 | 6.5 | 4.8 | 3.0 | 2.9 | 3.8 | 52 | 6.7 | 11 | 13 |
| 20 | 9.9 | 7.5 | 7.1 | 6.5 | 4.8 | 3.0 | 2.9 | 3.6 | 44 | 8.9 | 7.0 | 13 |
| 21 | 9.6 | 7.5 | 7.1 | 6.5 | 4.6 | 3.0 | 2.9 | 3.8 | 35 | 7.0 | 7.0 | 11 |
| 22 | 9.2 | 7.5 | 7.1 | 6.5 | 4.6 | 3.0 | 2.9 | 4.9 | 28 | 6.7 | 7.0 | 11 |
| 23 | 8.9 | 7.5 | 7.1 | 6.5 | 4.1 | 3.0 | 2.9 | 6.4 | 24 | 6.4 | 7.0 | 11 |
| 24 | 8.3 | 7.5 | 7.1 | 6.3 | 4.1 | 3.2 | 2.9 | 9.6 | 37 | 6.4 | 7.0 | 10 |
| 25 | 8.3 | 7.5 | 7.1 | 6.3 | 3.8 | 3.2 | 3.0 | 13 | 24 | 6.2 | 7.3 | 9.9 |
| 26 | 8.3 | 7.5 | 7.1 | 6.3 | 3.8 | 3.2 | 3.0 | 18 | 8.4 | 6.7 | 7.3 | 9.6 |
| 27 | 7.9 | 7.5 | 7.1 | 6.3 | 3.8 | 3.2 | 3.0 | 21 | 6.7 | 6.4 | 7.0 | 9.6 |
| 28 | 7.8 | 7.5 | 7.1 | 6.1 | 3.5 | 3.2 | 3.0 | 23 | 13 | 6.4 | 7.3 | 8.9 |
| 29 | 7.8 | 7.5 | 7.1 | 6.1 | --- | 3.2 | 3.0 | 26 | 11 | 6.4 | 7.3 | 8.9 |
| 30 | 7.8 | 7.5 | 7.1 | 6.1 | --- | 3.1 | 3.1 | 29 | 16 | 6.4 | 7.0 | 9.6 |
| 31 | 7.7 | --- | 7.1 | 6.1 | --- | 3.1 | --- | 25 | --- | 6.7 | 6.7 | --- |
| TOTAL | 324.6 | 226.2 | 223.7 | 204.5 | 143.5 | 96.3 | 90.0 | 265.1 | 543.7 | 317.1 | 235.6 | 291.9 |
| MEAN | 10.5 | 7.54 | 7.22 | 6.60 | 5.13 | 3.11 | 3.00 | 8.55 | 18.1 | 10.2 | 7.60 | 9.73 |
| AC-FT | 644 | 449 | 444 | 406 | 285 | 191 | 179 | 526 | 1080 | 629 | 467 | 579 |
| MAX | 16 | 7.7 | 7.3 | 7.1 | 6.1 | 3.5 | 3.1 | 29 | 52 | 34 | 11 | 15 |
| MIN | 7.7 | 7.5 | 7.1 | 6.1 | 3.5 | 2.8 | 2.9 | 3.0 | 6.2 | 6.2 | 5.9 | 6.7 |

CAL YR 1982 TOTAL 774.5 MEAN 2.12 MAX 16 MIN 7.1 AC-FT 1540
WTR YR 1983 TOTAL 2962.2 MEAN 8.12 MAX 52 MIN 2.8 AC-FT 5880

MAX DISCH 82.8 CFS AT 1930 24-JUN-1983 GH 3.00 FT. SHIFT -0.01 FT. MAX GH 3.00 FT. AT 1930 24-JUN-1983



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO (1984)

LOCATION.--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4 in steel pipe well. Control is 6.2 ft concrete suppressed weir. Datum of gage is 9,990 ft from topographic map.

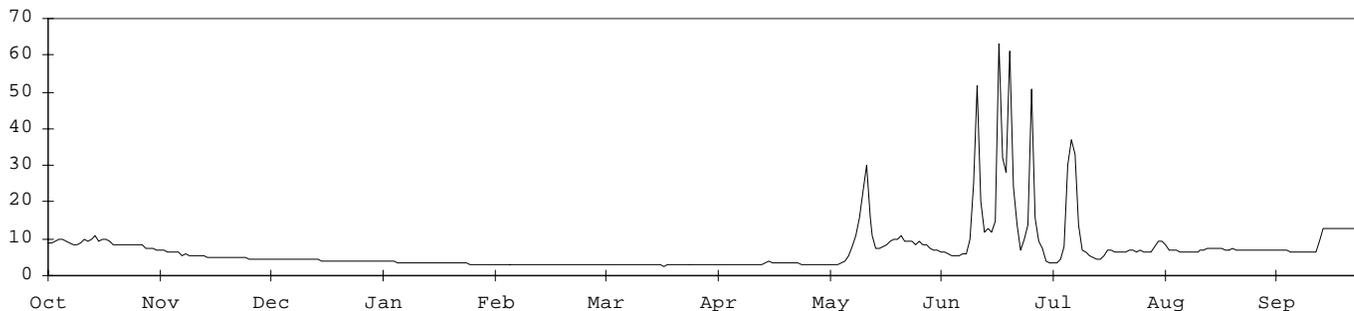
REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 9, 1983-May 9, 1984. Transmountain diversions above station diverted May 15, 1984-Sept. 30, 1984 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

RATING TABLE.--FRYSFU005 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|--------|-------|-------|-------|------|------|------|-------|-------|-------|-------|-------|
| 1 | 8.9 | 7.0 | 4.3 | 3.7 | 3.2 | 3.0 | 3.0 | 3.2 | 8.3 | 16 | 6.4 | 7.0 |
| 2 | 8.9 | 6.7 | 4.3 | 3.7 | 3.2 | 3.0 | 3.0 | 3.2 | 7.3 | 9.2 | 6.4 | 7.0 |
| 3 | 9.2 | 6.2 | 4.2 | 3.7 | 3.2 | 3.0 | 2.9 | 3.2 | 7.0 | 7.3 | 7.9 | 7.0 |
| 4 | 9.9 | 6.2 | 4.2 | 3.7 | 3.2 | 3.0 | 2.9 | 3.1 | 6.7 | 4.0 | 9.6 | 6.7 |
| 5 | 9.9 | 6.4 | 4.2 | 3.7 | 3.2 | 3.0 | 3.0 | 3.1 | 6.4 | 3.6 | 9.6 | 6.7 |
| 6 | 9.6 | 6.2 | 4.2 | 3.6 | 3.2 | 3.0 | 3.0 | 3.1 | 6.2 | 3.6 | 8.3 | 6.7 |
| 7 | 8.9 | 5.6 | 4.2 | 3.6 | 3.2 | 3.0 | 3.0 | 3.1 | 5.9 | 3.4 | 6.7 | 6.7 |
| 8 | 8.6 | 5.9 | 4.2 | 3.6 | 3.2 | 3.0 | 3.0 | 3.3 | 5.6 | 4.2 | 6.7 | 6.7 |
| 9 | 8.3 | 5.6 | 4.2 | 3.6 | 3.1 | 3.0 | 3.1 | 3.9 | 5.6 | 7.9 | 6.7 | 6.7 |
| 10 | 8.9 | 5.6 | 4.2 | 3.5 | 3.1 | 3.0 | 3.0 | 5.2 | 5.6 | 30 | 6.4 | 6.4 |
| 11 | 9.9 | 5.6 | 4.2 | 3.5 | 3.1 | 3.0 | 3.1 | 7.9 | 5.9 | 37 | 6.2 | 6.4 |
| 12 | 9.6 | 5.4 | 4.2 | 3.5 | 3.1 | 3.0 | 3.0 | 11 | 5.9 | 33 | 6.2 | 6.4 |
| 13 | 10 | 5.4 | 4.2 | 3.5 | 3.1 | 3.0 | 3.0 | 16 | 9.9 | 14 | 6.2 | 6.4 |
| 14 | 11 | 5.0 | 4.2 | 3.5 | 3.1 | 3.0 | 2.9 | 23 | 25 | 7.0 | 6.2 | 6.4 |
| 15 | 9.6 | 5.0 | 4.2 | 3.5 | 3.1 | 3.0 | 3.0 | 30 | 52 | 6.2 | 6.2 | 6.4 |
| 16 | 10 | 5.0 | 4.1 | 3.5 | 3.1 | 3.0 | 3.2 | 16 | 20 | 5.2 | 6.7 | 6.4 |
| 17 | 9.9 | 5.0 | 4.1 | 3.5 | 3.1 | 3.0 | 3.6 | 11 | 12 | 4.9 | 7.0 | 6.4 |
| 18 | 9.2 | 5.0 | 4.1 | 3.5 | 3.1 | 3.0 | 4.1 | 7.6 | 13 | 4.4 | 7.3 | 9.2 |
| 19 | 8.6 | 4.8 | 4.1 | 3.5 | 3.0 | 2.8 | 3.6 | 7.6 | 12 | 4.4 | 7.3 | 13 |
| 20 | 8.6 | 4.8 | 4.1 | 3.5 | 3.0 | 2.6 | 3.5 | 7.9 | 15 | 5.6 | 7.3 | 13 |
| 21 | 8.3 | 4.8 | 4.1 | 3.3 | 3.0 | 2.8 | 3.4 | 8.3 | 63 | 7.0 | 7.3 | 13 |
| 22 | 8.6 | 4.8 | 4.0 | 3.3 | 3.0 | 2.9 | 3.4 | 9.2 | 32 | 6.7 | 7.3 | 13 |
| 23 | 8.3 | 4.8 | 4.0 | 3.3 | 3.0 | 3.0 | 3.5 | 9.9 | 28 | 6.4 | 7.0 | 13 |
| 24 | 8.3 | 4.8 | 4.0 | 3.3 | 3.0 | 3.0 | 3.6 | 10 | 61 | 6.4 | 7.0 | 13 |
| 25 | 8.6 | 4.8 | 3.8 | 3.3 | 3.0 | 3.0 | 3.3 | 11 | 24 | 6.4 | 7.3 | 13 |
| 26 | 8.3 | 4.5 | 3.8 | 3.2 | 3.0 | 3.0 | 3.3 | 9.6 | 14 | 6.2 | 7.0 | 13 |
| 27 | 8.6 | 4.5 | 3.8 | 3.2 | 3.0 | 3.0 | 3.2 | 9.2 | 6.7 | 6.7 | 6.7 | 13 |
| 28 | 7.6 | 4.5 | 3.7 | 3.2 | 3.0 | 3.0 | 3.2 | 9.2 | 10 | 6.7 | 6.7 | 13 |
| 29 | 7.3 | 4.5 | 3.7 | 3.2 | 3.0 | 3.0 | 3.2 | 8.6 | 14 | 6.4 | 7.0 | 13 |
| 30 | 7.3 | 4.5 | 3.7 | 3.2 | --- | 3.0 | 3.1 | 9.2 | 51 | 6.7 | 7.0 | 12 |
| 31 | 7.0 | --- | 3.7 | 3.2 | --- | 3.0 | --- | 8.6 | --- | 6.4 | 7.0 | --- |
| TOTAL | 275.7 | 158.9 | 126.0 | 107.1 | 89.6 | 92.1 | 96.1 | 275.2 | 539.0 | 282.9 | 218.6 | 276.6 |
| MEAN | 8.89 | 5.30 | 4.06 | 3.45 | 3.09 | 2.97 | 3.20 | 8.88 | 18.0 | 9.13 | 7.05 | 9.22 |
| AC-FT | 547 | 315 | 250 | 212 | 178 | 183 | 191 | 546 | 1070 | 561 | 434 | 549 |
| MAX | 11 | 7.0 | 4.3 | 3.7 | 3.2 | 3.0 | 4.1 | 30 | 63 | 37 | 9.6 | 13 |
| MIN | 7.0 | 4.5 | 3.7 | 3.2 | 3.0 | 2.6 | 2.9 | 3.1 | 5.6 | 3.4 | 6.2 | 6.4 |
| CAL YR 1983 TOTAL | 2748.3 | | MEAN | 7.53 | MAX | 52 | MIN | 2.8 | AC-FT | 5450 | | |
| WTR YR 1984 TOTAL | 2537.8 | | MEAN | 6.93 | MAX | 63 | MIN | 2.6 | AC-FT | 5030 | | |

MAX DISCH 252 CFS AT 2200 30-JUN-1984 GH 3.62 FT. SHIFT +0.34 FT. MAX GH 3.62 FT. AT 2200 30-JUN-1984



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO (1985)

LOCATION.--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4 in steel pipe well. Control is 6.2 ft concrete suppressed weir. Datum of gage is 9,990 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Oct. 26, 1984-Apr. 11, 1985. Clock stopped from Apr. 15-May 2, 1985. Transmountain diversions above station diverted Oct. 1-25, 1984, May 2-Jul. 31, 1985 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

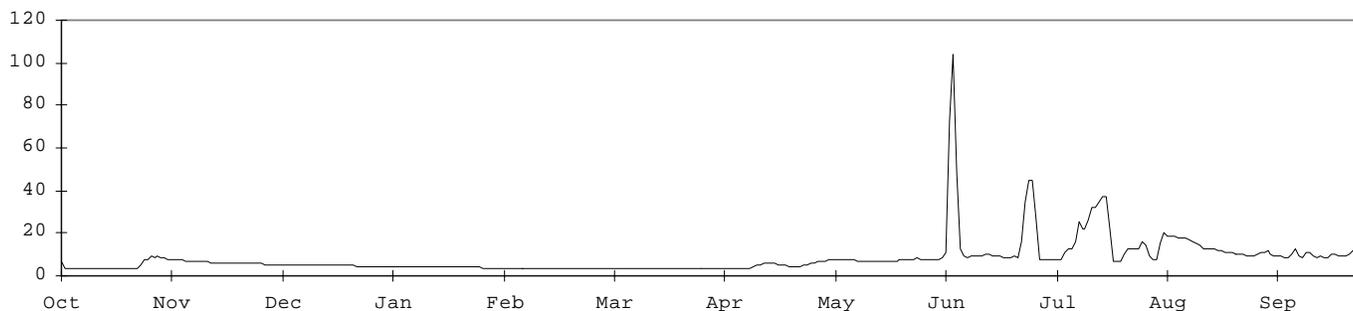
RATING TABLE.--FRYSFUC005 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|
| 1 | 6.4 | 8.0 | 5.2 | 4.4 | 3.6 | 3.3 | 3.3 | 6.8 | 7.6 | 27 | 14 | 9.9 |
| 2 | 3.0 | 8.0 | 5.2 | 4.2 | 3.6 | 3.3 | 3.3 | 7.0 | 7.6 | 7.3 | 8.9 | 11 |
| 3 | 3.0 | 7.6 | 5.1 | 4.2 | 3.6 | 3.3 | 3.3 | 7.0 | 7.6 | 7.3 | 7.6 | 11 |
| 4 | 3.2 | 7.3 | 5.1 | 4.2 | 3.6 | 3.3 | 3.3 | 7.3 | 7.9 | 7.3 | 7.9 | 12 |
| 5 | 3.2 | 7.0 | 5.1 | 4.2 | 3.6 | 3.1 | 3.3 | 7.3 | 8.3 | 7.3 | 15 | 10 |
| 6 | 3.2 | 6.4 | 5.0 | 4.2 | 3.6 | 3.1 | 3.3 | 7.3 | 11 | 7.3 | 20 | 9.6 |
| 7 | 3.2 | 6.4 | 5.0 | 4.2 | 3.6 | 3.1 | 3.3 | 7.3 | 7.3 | 7.3 | 19 | 9.2 |
| 8 | 3.2 | 6.4 | 5.0 | 4.2 | 3.6 | 3.1 | 3.3 | 7.6 | 104 | 7.3 | 19 | 9.2 |
| 9 | 3.4 | 6.4 | 5.0 | 4.0 | 3.6 | 3.1 | 3.4 | 7.6 | 49 | 11 | 19 | 8.6 |
| 10 | 3.4 | 6.4 | 5.0 | 4.0 | 3.6 | 3.1 | 3.4 | 7.6 | 13 | 13 | 18 | 8.3 |
| 11 | 3.4 | 6.4 | 5.0 | 4.0 | 3.5 | 3.1 | 3.4 | 7.3 | 9.6 | 13 | 18 | 9.9 |
| 12 | 3.4 | 6.3 | 5.0 | 4.0 | 3.5 | 3.1 | 3.4 | 7.0 | 8.6 | 16 | 18 | 13 |
| 13 | 3.4 | 6.3 | 4.8 | 3.9 | 3.5 | 3.1 | 4.4 | 7.0 | 9.2 | 25 | 17 | 9.2 |
| 14 | 3.4 | 6.2 | 4.8 | 3.9 | 3.5 | 3.1 | 4.9 | 7.0 | 8.9 | 22 | 16 | 8.6 |
| 15 | 3.8 | 6.2 | 4.8 | 3.9 | 3.5 | 3.1 | 5.4 | 7.0 | 8.9 | 22 | 15 | 11 |
| 16 | 3.8 | 6.2 | 4.8 | 3.9 | 3.5 | 3.1 | 5.8 | 6.7 | 8.9 | 26 | 14 | 11 |
| 17 | 3.8 | 6.0 | 4.8 | 3.9 | 3.5 | 3.1 | 6.0 | 6.7 | 9.9 | 32 | 13 | 8.9 |
| 18 | 3.8 | 6.0 | 4.8 | 3.9 | 3.5 | 3.1 | 5.8 | 6.7 | 9.9 | 32 | 13 | 8.6 |
| 19 | 3.8 | 5.8 | 4.8 | 3.9 | 3.5 | 3.1 | 5.6 | 6.7 | 9.6 | 35 | 13 | 9.2 |
| 20 | 3.8 | 5.7 | 4.8 | 3.9 | 3.5 | 3.1 | 5.2 | 6.7 | 9.2 | 37 | 13 | 8.3 |
| 21 | 3.8 | 5.7 | 4.8 | 3.9 | 3.5 | 3.1 | 4.9 | 6.7 | 9.2 | 37 | 12 | 8.6 |
| 22 | 3.8 | 5.7 | 4.8 | 3.9 | 3.5 | 3.1 | 4.7 | 7.0 | 8.6 | 22 | 12 | 9.9 |
| 23 | 5.4 | 5.7 | 4.6 | 3.9 | 3.5 | 3.1 | 4.6 | 7.0 | 8.3 | 6.7 | 11 | 9.9 |
| 24 | 7.6 | 5.6 | 4.6 | 3.9 | 3.5 | 3.1 | 4.6 | 7.3 | 8.6 | 6.4 | 11 | 9.6 |
| 25 | 8.0 | 5.6 | 4.6 | 3.9 | 3.5 | 3.1 | 4.4 | 7.6 | 9.2 | 6.4 | 11 | 9.2 |
| 26 | 9.4 | 5.6 | 4.5 | 3.9 | 3.5 | 3.3 | 4.4 | 7.6 | 8.3 | 9.9 | 10 | 9.6 |
| 27 | 8.8 | 5.4 | 4.5 | 3.7 | 3.3 | 3.3 | 4.7 | 7.9 | 16 | 13 | 9.9 | 10 |
| 28 | 9.0 | 5.4 | 4.5 | 3.7 | 3.3 | 3.3 | 5.4 | 7.9 | 35 | 13 | 9.9 | 12 |
| 29 | 8.6 | 5.4 | 4.5 | 3.7 | --- | 3.3 | 5.8 | 8.3 | 45 | 13 | 9.6 | 10 |
| 30 | 8.4 | 5.2 | 4.5 | 3.7 | --- | 3.3 | 6.0 | 7.9 | 45 | 13 | 9.2 | 9.9 |
| 31 | 8.0 | --- | 4.4 | 3.7 | --- | 3.3 | --- | 7.6 | --- | 16 | 9.6 | --- |
| TOTAL | 152.4 | 186.3 | 149.4 | 122.9 | 98.6 | 98.1 | 132.6 | 224.4 | 574.9 | 518.5 | 413.6 | 295.2 |
| MEAN | 4.92 | 6.21 | 4.82 | 3.96 | 3.52 | 3.16 | 4.42 | 7.24 | 19.2 | 16.7 | 13.3 | 9.84 |
| AC-FT | 302 | 370 | 296 | 244 | 196 | 195 | 263 | 445 | 1140 | 1030 | 820 | 586 |
| MAX | 9.4 | 8.0 | 5.2 | 4.4 | 3.6 | 3.3 | 6.0 | 8.3 | 104 | 37 | 20 | 13 |
| MIN | 3.0 | 5.2 | 4.4 | 3.7 | 3.3 | 3.1 | 3.3 | 6.7 | 7.6 | 6.4 | 7.6 | 8.3 |

CAL YR 1984 TOTAL 2465.3 MEAN 6.74 MAX 63 MIN 2.6 AC-FT 4890
WTR YR 1985 TOTAL 2966.9 MEAN 8.13 MAX 104 MIN 3.0 AC-FT 5880

MAX DISCH 423 CFS AT 1800 08-JUN-1985 GH 4.18 FT. SHIFT 0.34 FT. MAX GH 4.18 FT. AT 1800 08-JUN-1985



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO (1986)

LOCATION.--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4 in steel pipe well. Control is 6.2 ft concrete suppressed weir. Datum of gage is 9,990 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 1, 1985-May 27, 1986. Transmountain diversions above station diverted May 27-Aug. 15, 1986 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

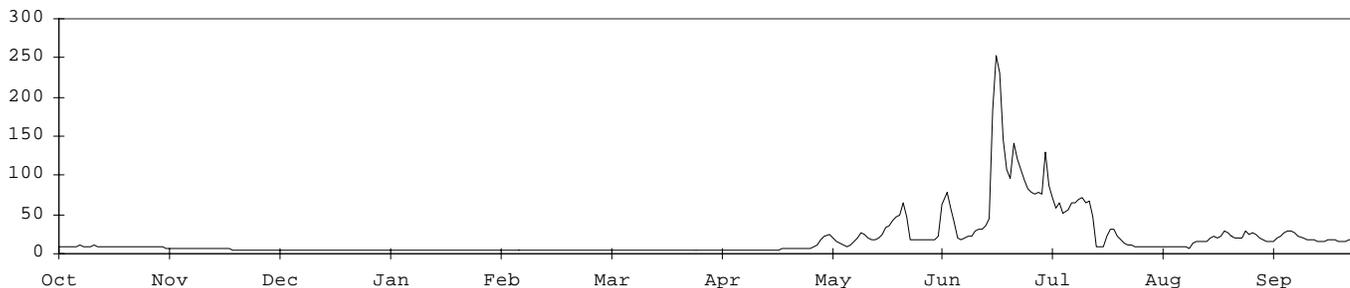
RATING TABLE.--FRYSFU005 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|-------|------|
| 1 | 10 | 7.0 | 5.1 | 4.2 | 3.8 | 3.5 | 4.3 | 9.0 | 17 | 78 | 9.6 | 27 |
| 2 | 9.6 | 7.4 | 5.1 | 4.2 | 3.8 | 3.5 | 4.2 | 12 | 18 | 77 | 9.6 | 24 |
| 3 | 9.6 | 7.0 | 5.1 | 4.2 | 3.8 | 3.5 | 4.2 | 17 | 18 | 79 | 9.2 | 21 |
| 4 | 9.9 | 7.4 | 5.1 | 4.2 | 3.8 | 3.5 | 4.0 | 22 | 18 | 76 | 9.6 | 18 |
| 5 | 9.6 | 6.8 | 5.0 | 4.2 | 3.7 | 3.5 | 4.0 | 25 | 22 | 130 | 9.2 | 16 |
| 6 | 8.9 | 6.4 | 5.0 | 4.2 | 3.7 | 3.5 | 4.2 | 21 | 62 | 88 | 10 | 15 |
| 7 | 11 | 6.6 | 5.0 | 4.0 | 3.7 | 3.5 | 4.5 | 16 | 78 | 72 | 9.2 | 16 |
| 8 | 10 | 6.3 | 5.0 | 4.0 | 3.7 | 3.5 | 4.5 | 13 | 59 | 58 | 9.2 | 21 |
| 9 | 9.9 | 6.1 | 4.8 | 4.0 | 3.7 | 3.5 | 4.3 | 11 | 40 | 64 | 9.2 | 22 |
| 10 | 9.9 | 6.2 | 4.8 | 4.0 | 3.5 | 3.5 | 4.2 | 10 | 20 | 51 | 8.6 | 27 |
| 11 | 11 | 6.1 | 4.8 | 4.0 | 3.5 | 3.5 | 4.2 | 11 | 18 | 57 | 7.9 | 29 |
| 12 | 9.6 | 6.1 | 4.6 | 3.8 | 3.5 | 3.5 | 4.2 | 15 | 20 | 64 | 8.6 | 29 |
| 13 | 9.6 | 5.8 | 4.6 | 3.8 | 3.5 | 3.5 | 4.2 | 20 | 22 | 66 | 8.3 | 26 |
| 14 | 8.9 | 6.0 | 4.6 | 3.8 | 3.5 | 3.5 | 4.0 | 26 | 23 | 70 | 7.6 | 23 |
| 15 | 9.9 | 5.8 | 4.5 | 3.8 | 3.5 | 3.5 | 4.2 | 24 | 30 | 72 | 13 | 21 |
| 16 | 10 | 5.8 | 4.5 | 3.8 | 3.5 | 3.5 | 4.3 | 21 | 32 | 66 | 16 | 18 |
| 17 | 9.6 | 5.8 | 4.5 | 3.8 | 3.5 | 3.5 | 4.2 | 19 | 32 | 68 | 16 | 18 |
| 18 | 8.9 | 5.6 | 4.5 | 3.8 | 3.5 | 3.5 | 4.0 | 17 | 35 | 48 | 15 | 17 |
| 19 | 8.6 | 5.4 | 4.5 | 3.8 | 3.5 | 3.5 | 4.0 | 21 | 45 | 9.2 | 16 | 16 |
| 20 | 8.9 | 5.3 | 4.5 | 3.8 | 3.5 | 3.4 | 4.2 | 25 | 183 | 8.9 | 21 | 16 |
| 21 | 8.9 | 5.3 | 4.5 | 3.8 | 3.5 | 3.5 | 4.8 | 33 | 252 | 8.9 | 23 | 15 |
| 22 | 8.6 | 5.3 | 4.5 | 3.8 | 3.5 | 3.5 | 5.8 | 36 | 230 | 22 | 21 | 18 |
| 23 | 9.2 | 5.3 | 4.5 | 3.8 | 3.5 | 3.7 | 6.8 | 42 | 145 | 31 | 23 | 18 |
| 24 | 8.3 | 5.3 | 4.5 | 3.8 | 3.5 | 3.5 | 6.8 | 46 | 107 | 31 | 30 | 17 |
| 25 | 8.6 | 5.3 | 4.3 | 3.8 | 3.5 | 3.5 | 7.4 | 50 | 96 | 23 | 27 | 16 |
| 26 | 8.3 | 5.1 | 4.3 | 3.8 | 3.5 | 3.5 | 6.8 | 66 | 140 | 18 | 23 | 16 |
| 27 | 8.3 | 5.1 | 4.3 | 3.8 | 3.5 | 3.8 | 6.2 | 48 | 120 | 13 | 20 | 16 |
| 28 | 7.9 | 5.1 | 4.2 | 3.8 | 3.5 | 4.2 | 5.8 | 18 | 108 | 11 | 20 | 17 |
| 29 | 7.9 | 5.1 | 4.2 | 3.8 | --- | 4.3 | 6.2 | 17 | 94 | 11 | 21 | 18 |
| 30 | 7.9 | 5.1 | 4.2 | 3.8 | --- | 4.5 | 7.2 | 17 | 83 | 10 | 28 | 17 |
| 31 | 7.6 | --- | 4.2 | 3.8 | --- | 4.5 | --- | 18 | --- | 9.9 | 24 | --- |
| TOTAL | 284.9 | 176.9 | 143.3 | 121.2 | 100.2 | 112.4 | 147.7 | 746.0 | 2167 | 1490.9 | 482.8 | 588 |
| MEAN | 9.19 | 5.90 | 4.62 | 3.91 | 3.58 | 3.63 | 4.92 | 24.1 | 72.2 | 48.1 | 15.6 | 19.6 |
| AC-FT | 565 | 351 | 284 | 240 | 199 | 223 | 293 | 1480 | 4300 | 2960 | 958 | 1170 |
| MAX | 11 | 7.4 | 5.1 | 4.2 | 3.8 | 4.5 | 7.4 | 66 | 252 | 130 | 30 | 29 |
| MIN | 7.6 | 5.1 | 4.2 | 3.8 | 3.5 | 3.4 | 4.0 | 9.0 | 17 | 8.9 | 7.6 | 15 |

CAL YR 1985 TOTAL 3083.9 MEAN 8.45 MAX 104 MIN 3.1 AC-FT 6120
WTR YR 1986 TOTAL 6561.3 MEAN 18.0 MAX 252 MIN 3.4 AC-FT 13010

MAX DISCH 419 CFS AT 2030 20-JUN-1986 GH 4.26 FT. SHIFT 0.25 FT. MAX GH 4.26 FT. AT 2030 20-JUN-1986



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO (1987)

LOCATION.--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4 in steel pipe well. Control is 6.2 ft concrete suppressed weir. Datum of gage is 9,990 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 3, 1986-Apr. 24, 1987. Transmountain diversions above station diverted Jul. 7-10, 1987 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Alan C. Martellaro.

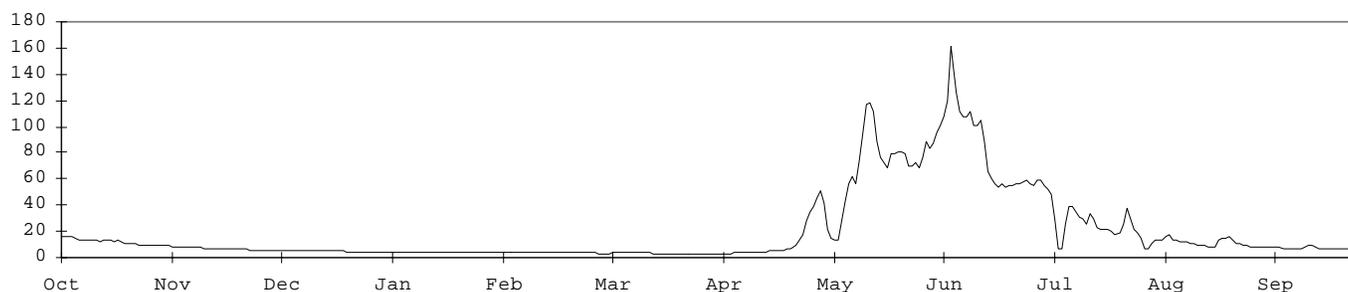
RATING TABLE.--FRYSFUC005 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|------|-------|-------|------|------|-------|-------|-------|
| 1 | 16 | 8.3 | 5.6 | 4.3 | 3.5 | 3.2 | 3.2 | 46 | 88 | 55 | 6.7 | 8.3 |
| 2 | 16 | 8.6 | 5.6 | 4.3 | 3.5 | 3.2 | 3.2 | 51 | 83 | 59 | 6.7 | 7.9 |
| 3 | 16 | 8.2 | 5.5 | 4.3 | 3.5 | 3.2 | 3.2 | 42 | 87 | 59 | 11 | 7.9 |
| 4 | 16 | 7.6 | 5.5 | 4.1 | 3.5 | 3.2 | 3.2 | 22 | 96 | 55 | 14 | 7.9 |
| 5 | 15 | 7.6 | 5.5 | 4.3 | 3.5 | 3.4 | 3.2 | 15 | 101 | 52 | 13 | 7.9 |
| 6 | 14 | 7.6 | 5.3 | 4.1 | 3.5 | 3.5 | 3.2 | 13 | 107 | 49 | 13 | 7.6 |
| 7 | 14 | 7.4 | 5.3 | 4.1 | 3.5 | 3.5 | 3.2 | 14 | 120 | 29 | 16 | 7.6 |
| 8 | 14 | 7.4 | 5.3 | 4.1 | 3.5 | 3.5 | 3.4 | 28 | 161 | 7.3 | 18 | 7.6 |
| 9 | 13 | 7.4 | 5.3 | 3.9 | 3.5 | 3.4 | 3.4 | 43 | 126 | 7.0 | 14 | 7.3 |
| 10 | 13 | 7.2 | 5.1 | 3.9 | 3.5 | 3.4 | 3.5 | 57 | 111 | 25 | 13 | 7.2 |
| 11 | 13 | 7.2 | 5.1 | 3.9 | 3.5 | 3.4 | 3.5 | 62 | 107 | 39 | 12 | 7.0 |
| 12 | 12 | 7.0 | 5.1 | 3.9 | 3.5 | 3.4 | 3.5 | 56 | 107 | 39 | 12 | 6.7 |
| 13 | 13 | 6.6 | 5.1 | 3.9 | 3.5 | 3.4 | 3.5 | 74 | 111 | 35 | 12 | 6.7 |
| 14 | 13 | 6.6 | 5.1 | 3.9 | 3.5 | 3.4 | 3.5 | 96 | 101 | 31 | 11 | 7.3 |
| 15 | 13 | 6.6 | 5.1 | 3.9 | 3.5 | 3.4 | 3.9 | 117 | 101 | 30 | 11 | 8.6 |
| 16 | 12 | 6.6 | 5.1 | 3.9 | 3.5 | 3.2 | 4.2 | 118 | 105 | 26 | 10 | 9.9 |
| 17 | 13 | 6.3 | 4.9 | 3.9 | 3.5 | 3.2 | 4.5 | 111 | 89 | 33 | 9.6 | 9.6 |
| 18 | 12 | 6.3 | 4.9 | 3.7 | 3.5 | 3.2 | 4.8 | 89 | 66 | 30 | 8.9 | 7.9 |
| 19 | 11 | 6.3 | 4.9 | 3.7 | 3.5 | 3.2 | 5.0 | 76 | 60 | 23 | 8.6 | 7.3 |
| 20 | 11 | 6.3 | 4.7 | 3.7 | 3.5 | 3.2 | 5.0 | 73 | 56 | 21 | 8.6 | 7.3 |
| 21 | 11 | 6.1 | 4.7 | 3.7 | 3.4 | 3.2 | 5.0 | 68 | 54 | 21 | 8.6 | 6.7 |
| 22 | 11 | 6.1 | 4.7 | 3.7 | 3.4 | 3.2 | 5.4 | 79 | 56 | 21 | 14 | 6.4 |
| 23 | 9.9 | 5.9 | 4.5 | 3.7 | 3.4 | 3.2 | 6.2 | 79 | 54 | 20 | 15 | 6.4 |
| 24 | 10 | 5.9 | 4.5 | 3.7 | 3.4 | 3.2 | 7.3 | 80 | 55 | 18 | 15 | 6.4 |
| 25 | 9.9 | 5.9 | 4.5 | 3.7 | 3.4 | 3.2 | 9.6 | 80 | 55 | 19 | 16 | 6.4 |
| 26 | 9.6 | 5.9 | 4.3 | 3.7 | 3.4 | 3.2 | 13 | 79 | 56 | 26 | 13 | 6.2 |
| 27 | 9.9 | 5.8 | 4.3 | 3.5 | 3.4 | 3.2 | 18 | 70 | 56 | 37 | 11 | 6.1 |
| 28 | 9.6 | 5.8 | 4.3 | 3.5 | 3.4 | 3.2 | 28 | 70 | 58 | 30 | 11 | 6.2 |
| 29 | 9.6 | 5.8 | 4.3 | 3.5 | --- | 3.2 | 35 | 72 | 59 | 22 | 9.9 | 6.2 |
| 30 | 8.9 | 5.6 | 4.3 | 3.5 | --- | 3.2 | 39 | 68 | 57 | 19 | 9.2 | 6.2 |
| 31 | 8.9 | --- | 4.3 | 3.5 | --- | 3.2 | --- | 76 | --- | 15 | 8.6 | --- |
| TOTAL | 378.3 | 201.9 | 152.7 | 119.5 | 97.2 | 101.7 | 240.6 | 2024 | 2543 | 952.3 | 360.4 | 218.7 |
| MEAN | 12.2 | 6.73 | 4.93 | 3.85 | 3.47 | 3.28 | 8.02 | 65.3 | 84.8 | 30.7 | 11.6 | 7.29 |
| AC-FT | 750 | 400 | 303 | 237 | 193 | 202 | 477 | 4010 | 5040 | 1890 | 715 | 434 |
| MAX | 16 | 8.6 | 5.6 | 4.3 | 3.5 | 3.5 | 39 | 118 | 161 | 59 | 18 | 9.9 |
| MIN | 8.9 | 5.6 | 4.3 | 3.5 | 3.4 | 3.2 | 3.2 | 13 | 54 | 7.0 | 6.7 | 6.1 |

CAL YR 1986 TOTAL 6688.9 MEAN 18.3 MAX 275 MIN 3.4 AC-FT 13270
WTR YR 1987 TOTAL 7390.3 MEAN 20.2 MAX 161 MIN 3.2 AC-FT 14660

MAX DISCH 214 CFS AT 0100 08-JUN-1987 GH 3.45 FT. SHIFT 0.34 FT. MAX GH 3.45 FT. AT 0100 08-JUN-1987



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO (1988)

LOCATION.--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4 in steel pipe well. Control is 6.2 ft concrete suppressed weir. Datum of gage is 9,990 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Oct. 20, 1987-Jun. 2, 1988. Clock stopped from Jul. 7-19; Sept. 5-15, 19-30, 1988. Transmountain diversions above station diverted Jun. 17-Jul. 7, 1988 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

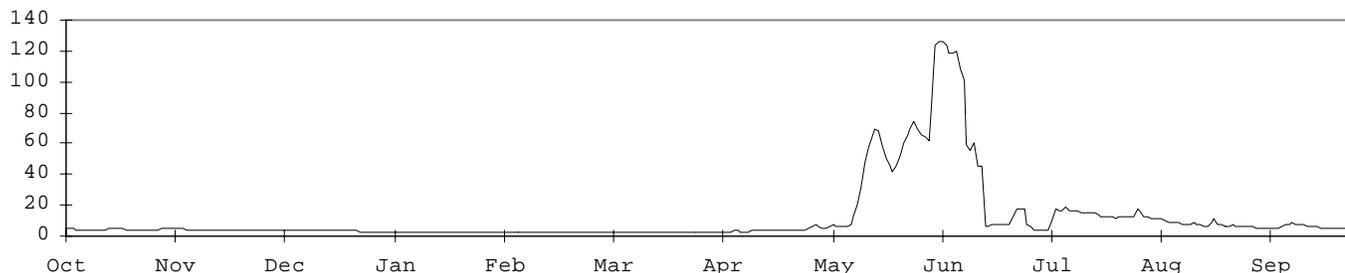
RATING TABLE.--FRYSFU005 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|------|------|------|-------|--------|--------|-------|-------|-------|
| 1 | 5.2 | 4.9 | 3.4 | 3.1 | 2.8 | 2.7 | 2.5 | 7.0 | 64 | 5.9 | 16 | 6.4 |
| 2 | 4.9 | 4.9 | 3.4 | 3.1 | 2.8 | 2.7 | 2.5 | 6.2 | 62 | 4.4 | 13 | 5.9 |
| 3 | 4.9 | 4.7 | 3.4 | 3.1 | 2.8 | 2.7 | 2.5 | 5.6 | 82 | 4.2 | 12 | 5.6 |
| 4 | 4.7 | 4.7 | 3.4 | 3.1 | 2.8 | 2.7 | 2.7 | 5.6 | 123 | 4.2 | 11 | 5.4 |
| 5 | 4.4 | 4.0 | 3.4 | 3.1 | 2.8 | 2.7 | 2.7 | 6.2 | 126 | 4.2 | 11 | 5.4 |
| 6 | 4.4 | 4.2 | 3.4 | 3.1 | 2.8 | 2.7 | 2.7 | 7.0 | 126 | 4.2 | 11 | 5.2 |
| 7 | 4.2 | 4.2 | 3.4 | 3.0 | 2.8 | 2.7 | 2.8 | 6.2 | 123 | 9.6 | 11 | 5.2 |
| 8 | 4.4 | 4.0 | 3.4 | 3.0 | 2.8 | 2.7 | 3.2 | 5.8 | 118 | 18 | 9.9 | 5.0 |
| 9 | 4.4 | 4.0 | 3.4 | 3.0 | 2.8 | 2.7 | 3.2 | 5.8 | 118 | 17 | 9.2 | 5.0 |
| 10 | 4.4 | 3.9 | 3.4 | 3.0 | 2.8 | 2.7 | 2.8 | 6.8 | 120 | 17 | 8.6 | 6.2 |
| 11 | 4.4 | 3.8 | 3.4 | 3.0 | 2.8 | 2.7 | 2.8 | 7.2 | 108 | 19 | 8.3 | 7.4 |
| 12 | 4.2 | 3.8 | 3.4 | 3.0 | 2.8 | 2.7 | 3.0 | 13 | 101 | 16 | 8.6 | 8.0 |
| 13 | 4.2 | 3.8 | 3.4 | 3.0 | 2.8 | 2.7 | 3.4 | 20 | 59 | 16 | 7.9 | 8.2 |
| 14 | 4.7 | 3.9 | 3.4 | 3.0 | 2.8 | 2.7 | 3.8 | 32 | 55 | 16 | 7.3 | 8.0 |
| 15 | 4.9 | 3.8 | 3.2 | 3.0 | 2.7 | 2.5 | 4.2 | 48 | 61 | 15 | 7.0 | 7.6 |
| 16 | 4.7 | 3.8 | 3.2 | 3.0 | 2.7 | 2.5 | 4.2 | 58 | 46 | 15 | 8.3 | 7.3 |
| 17 | 4.7 | 3.8 | 3.2 | 3.0 | 2.7 | 2.5 | 4.2 | 66 | 45 | 15 | 7.9 | 6.7 |
| 18 | 4.7 | 3.6 | 3.2 | 3.0 | 2.7 | 2.5 | 4.0 | 70 | 6.2 | 15 | 7.3 | 6.2 |
| 19 | 4.2 | 3.6 | 3.2 | 2.8 | 2.7 | 2.5 | 4.0 | 68 | 6.4 | 15 | 6.7 | 6.0 |
| 20 | 3.9 | 3.6 | 3.2 | 2.8 | 2.7 | 2.5 | 4.0 | 58 | 7.6 | 14 | 6.4 | 5.8 |
| 21 | 4.0 | 3.6 | 3.2 | 2.8 | 2.7 | 2.7 | 4.2 | 50 | 7.9 | 13 | 8.9 | 5.6 |
| 22 | 4.0 | 3.6 | 3.2 | 2.8 | 2.5 | 2.7 | 4.0 | 46 | 7.9 | 13 | 11 | 5.6 |
| 23 | 4.2 | 3.6 | 3.2 | 2.8 | 2.5 | 2.7 | 4.0 | 42 | 7.3 | 12 | 7.9 | 5.4 |
| 24 | 4.4 | 3.6 | 3.1 | 2.8 | 2.5 | 2.7 | 4.0 | 46 | 7.3 | 12 | 7.3 | 5.4 |
| 25 | 4.4 | 3.6 | 3.1 | 2.8 | 2.5 | 2.5 | 4.0 | 52 | 7.0 | 11 | 6.7 | 5.2 |
| 26 | 4.2 | 3.6 | 3.1 | 2.8 | 2.5 | 2.5 | 4.0 | 60 | 13 | 13 | 6.7 | 5.2 |
| 27 | 4.0 | 3.6 | 3.1 | 2.8 | 2.5 | 2.7 | 4.0 | 66 | 18 | 13 | 7.0 | 5.0 |
| 28 | 4.4 | 3.5 | 3.1 | 2.8 | 2.5 | 2.8 | 4.2 | 70 | 18 | 13 | 6.7 | 4.8 |
| 29 | 4.7 | 3.5 | 3.1 | 2.8 | 2.7 | 2.7 | 5.0 | 74 | 18 | 13 | 6.4 | 4.6 |
| 30 | 4.7 | 3.5 | 3.1 | 2.8 | --- | 2.7 | 5.8 | 70 | 7.6 | 13 | 6.4 | 4.6 |
| 31 | 4.7 | --- | 3.1 | 2.8 | --- | 2.7 | --- | 66 | --- | 18 | 6.4 | --- |
| TOTAL | 138.2 | 116.7 | 101.2 | 91.0 | 78.3 | 82.2 | 108.4 | 1144.4 | 1669.2 | 388.7 | 269.8 | 177.9 |
| MEAN | 4.46 | 3.89 | 3.26 | 2.94 | 2.70 | 2.65 | 3.61 | 36.9 | 55.6 | 12.5 | 8.70 | 5.93 |
| AC-FT | 274 | 231 | 201 | 180 | 155 | 163 | 215 | 2270 | 3310 | 771 | 535 | 353 |
| MAX | 5.2 | 4.9 | 3.4 | 3.1 | 2.8 | 2.8 | 5.8 | 74 | 126 | 19 | 16 | 8.2 |
| MIN | 3.9 | 3.5 | 3.1 | 2.8 | 2.5 | 2.5 | 2.5 | 5.6 | 6.2 | 4.2 | 6.4 | 4.6 |

CAL YR 1987 TOTAL 7013.5 MEAN 19.2 MAX 161 MIN 3.1 AC-FT 13910
WTR YR 1988 TOTAL 4366.0 MEAN 11.9 MAX 126 MIN 2.5 AC-FT 8660

MAX DISCH 210 CFS AT 1900 06-JUN-1988 GH 3.43 FT. SHIFT 0.34 FT. MAX GH 3.43 FT. AT 1900 06-JUN-1988



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO (1989)

LOCATION.--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4 in steel pipe well. Control is 6.2 ft concrete suppressed weir. Datum of gage is 9,990 ft from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Clock stopped from Oct. 1-3, 1988. Station was ice affected from Oct. 26, 1988-May 23, 1989. Transmountain diversions above station diverted May 24-Jul. 15, Aug. 1-4, 1989 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

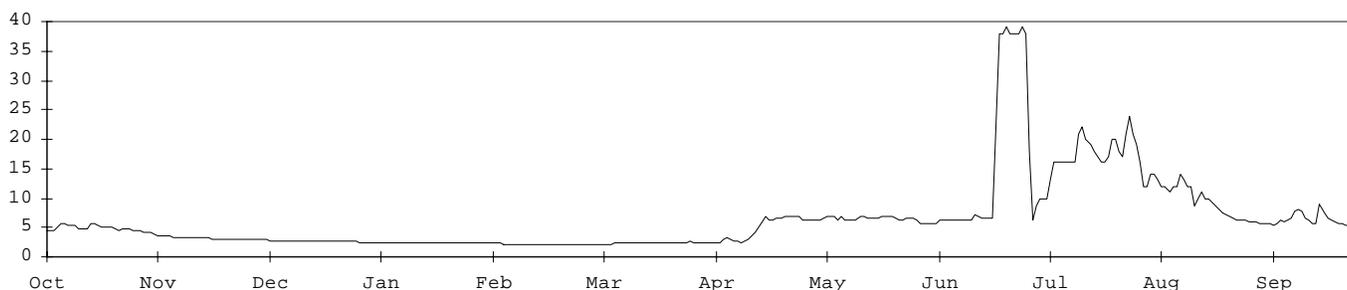
RATING TABLE.--FRYSFUC006 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 1 | 4.6 | 3.6 | 2.9 | 2.5 | 2.4 | 2.2 | 2.5 | 6.4 | 5.8 | 18 | 16 | 6.0 |
| 2 | 4.6 | 3.6 | 2.7 | 2.5 | 2.4 | 2.2 | 2.5 | 6.4 | 5.8 | 6.2 | 12 | 6.0 |
| 3 | 4.6 | 3.6 | 2.7 | 2.5 | 2.4 | 2.2 | 2.5 | 6.4 | 5.8 | 8.6 | 12 | 5.8 |
| 4 | 5.2 | 3.6 | 2.7 | 2.5 | 2.4 | 2.2 | 2.5 | 6.4 | 5.8 | 10 | 14 | 5.8 |
| 5 | 5.6 | 3.4 | 2.7 | 2.5 | 2.2 | 2.2 | 2.5 | 6.6 | 5.8 | 10 | 14 | 5.6 |
| 6 | 5.6 | 3.4 | 2.7 | 2.5 | 2.2 | 2.2 | 2.5 | 7.0 | 6.2 | 10 | 13 | 5.6 |
| 7 | 5.4 | 3.4 | 2.7 | 2.5 | 2.2 | 2.2 | 3.0 | 7.0 | 6.2 | 13 | 12 | 5.4 |
| 8 | 5.4 | 3.4 | 2.7 | 2.5 | 2.2 | 2.4 | 3.3 | 7.0 | 6.2 | 16 | 12 | 5.6 |
| 9 | 5.4 | 3.4 | 2.7 | 2.5 | 2.2 | 2.4 | 3.0 | 6.4 | 6.2 | 16 | 11 | 6.2 |
| 10 | 4.9 | 3.4 | 2.7 | 2.5 | 2.2 | 2.4 | 2.8 | 7.0 | 6.2 | 16 | 12 | 6.0 |
| 11 | 4.9 | 3.4 | 2.7 | 2.5 | 2.2 | 2.4 | 2.7 | 6.4 | 6.2 | 16 | 12 | 6.2 |
| 12 | 4.7 | 3.2 | 2.7 | 2.4 | 2.2 | 2.4 | 2.5 | 6.4 | 6.2 | 16 | 14 | 6.7 |
| 13 | 5.6 | 3.2 | 2.7 | 2.4 | 2.2 | 2.4 | 2.7 | 6.4 | 6.2 | 16 | 13 | 7.8 |
| 14 | 5.6 | 3.2 | 2.7 | 2.4 | 2.2 | 2.4 | 3.0 | 6.4 | 6.2 | 16 | 12 | 8.0 |
| 15 | 5.4 | 3.2 | 2.7 | 2.4 | 2.2 | 2.4 | 3.6 | 7.0 | 6.4 | 21 | 12 | 7.8 |
| 16 | 5.2 | 3.0 | 2.7 | 2.4 | 2.2 | 2.4 | 4.3 | 7.0 | 7.1 | 22 | 8.6 | 6.7 |
| 17 | 5.2 | 3.0 | 2.7 | 2.4 | 2.2 | 2.4 | 5.0 | 6.6 | 6.9 | 20 | 10 | 6.2 |
| 18 | 5.2 | 3.0 | 2.7 | 2.4 | 2.2 | 2.4 | 6.0 | 6.6 | 6.7 | 19 | 11 | 5.8 |
| 19 | 5.2 | 3.0 | 2.7 | 2.4 | 2.2 | 2.4 | 7.0 | 6.6 | 6.7 | 18 | 10 | 5.6 |
| 20 | 4.9 | 3.0 | 2.7 | 2.4 | 2.2 | 2.4 | 6.4 | 6.6 | 6.7 | 17 | 10 | 9.1 |
| 21 | 4.4 | 3.0 | 2.7 | 2.4 | 2.2 | 2.4 | 6.4 | 6.8 | 6.7 | 16 | 9.4 | 7.6 |
| 22 | 4.7 | 3.0 | 2.7 | 2.4 | 2.2 | 2.4 | 6.6 | 6.8 | 22 | 16 | 8.6 | 6.7 |
| 23 | 4.7 | 3.0 | 2.7 | 2.4 | 2.2 | 2.5 | 6.6 | 6.8 | 38 | 17 | 8.0 | 6.2 |
| 24 | 4.7 | 3.0 | 2.7 | 2.4 | 2.2 | 2.5 | 7.0 | 6.9 | 38 | 20 | 7.6 | 6.0 |
| 25 | 4.4 | 3.0 | 2.7 | 2.4 | 2.2 | 2.5 | 7.0 | 6.7 | 39 | 20 | 7.1 | 5.8 |
| 26 | 4.4 | 3.0 | 2.7 | 2.4 | 2.2 | 2.5 | 7.0 | 6.4 | 38 | 18 | 6.9 | 5.6 |
| 27 | 4.4 | 3.0 | 2.5 | 2.4 | 2.2 | 2.5 | 7.0 | 6.4 | 38 | 17 | 6.7 | 5.4 |
| 28 | 4.2 | 3.0 | 2.5 | 2.4 | 2.2 | 2.5 | 6.8 | 6.7 | 38 | 21 | 6.4 | 5.4 |
| 29 | 4.2 | 3.0 | 2.5 | 2.4 | --- | 2.6 | 6.4 | 6.7 | 39 | 24 | 6.4 | 5.2 |
| 30 | 4.2 | 3.0 | 2.5 | 2.4 | --- | 2.5 | 6.4 | 6.7 | 38 | 21 | 6.2 | 5.2 |
| 31 | 3.8 | --- | 2.5 | 2.4 | --- | 2.5 | --- | 6.2 | --- | 19 | 6.0 | --- |
| TOTAL | 151.3 | 96.0 | 82.9 | 75.5 | 62.4 | 74.0 | 137.5 | 205.7 | 460.0 | 513.8 | 319.9 | 187.0 |
| MEAN | 4.88 | 3.20 | 2.67 | 2.44 | 2.23 | 2.39 | 4.58 | 6.64 | 15.3 | 16.6 | 10.3 | 6.23 |
| AC-FT | 300 | 190 | 164 | 150 | 124 | 147 | 273 | 408 | 912 | 1020 | 635 | 371 |
| MAX | 5.6 | 3.6 | 2.9 | 2.5 | 2.4 | 2.6 | 7.0 | 7.0 | 39 | 24 | 16 | 9.1 |
| MIN | 3.8 | 3.0 | 2.5 | 2.4 | 2.2 | 2.2 | 2.5 | 6.2 | 5.8 | 6.2 | 6.0 | 5.2 |

CAL YR 1988 TOTAL 4340.1 MEAN 11.9 MAX 126 MIN 2.5 AC-FT 8610
WTR YR 1989 TOTAL 2366.0 MEAN 6.48 MAX 39 MIN 2.2 AC-FT 4690

MAX DISCH 58 CFS AT 1030 22-JUN-1989 GH 3.40 FT. SHIFT 0.00 FT. MAX GH 3.40 FT. AT 1030 22-JUN-1989



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION, NEAR NORRIE, CO (1990)

LOCATION.--Lat 39°14'20", long 106°35'24", Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, Co.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4 in steel pipe well. Control is 6.2 ft concrete suppressed weir. Datum of gage is 9,990 ft from topographic map.

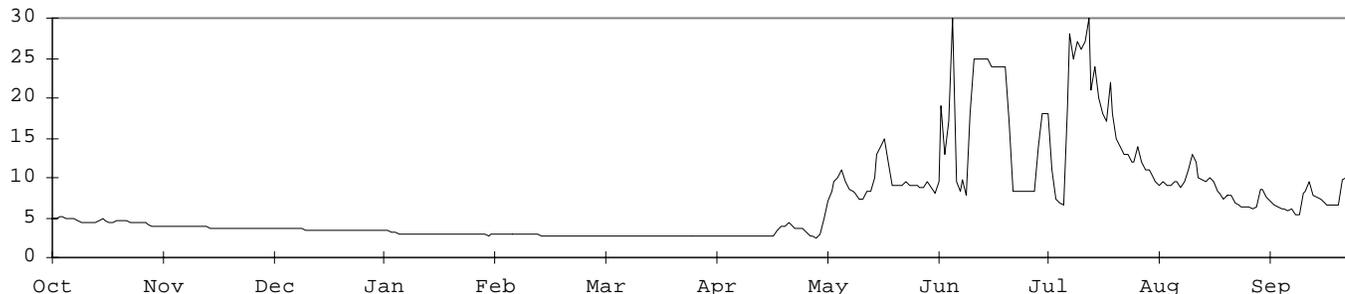
REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Oct. 12, 1989-Apr. 20, 1990. Clock stopped from Jun. 30-Jul. 3, 1990. Transmountain diversions above station diverted May 21-Jul. 13, 1990 through Charles H. Boustead Tunnel. The nearby non-frozen station, Chapman Gulch near Nast, was used for winter estimation. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--FRYSFU06 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|--------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|
| 1 | 5.0 | 3.9 | 3.6 | 3.4 | 2.8 | 2.8 | 2.7 | 3.1 | 9.1 | 8.4 | 12 | 6.4 |
| 2 | 4.8 | 3.9 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.8 | 8.9 | 8.4 | 14 | 6.4 |
| 3 | 4.8 | 3.9 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.6 | 8.9 | 8.4 | 12 | 6.2 |
| 4 | 5.2 | 3.9 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.5 | 9.6 | 8.2 | 11 | 6.4 |
| 5 | 5.2 | 3.9 | 3.6 | 3.2 | 3.0 | 2.8 | 2.7 | 3.0 | 8.9 | 14 | 11 | 8.6 |
| 6 | 5.0 | 3.9 | 3.6 | 3.2 | 3.0 | 2.8 | 2.7 | 5.0 | 8.0 | 18 | 10 | 8.6 |
| 7 | 4.8 | 3.9 | 3.6 | 3.0 | 3.0 | 2.8 | 2.7 | 7.1 | 9.4 | 18 | 9.6 | 7.6 |
| 8 | 4.8 | 3.9 | 3.6 | 3.0 | 3.0 | 2.8 | 2.7 | 8.2 | 19 | 18 | 9.1 | 7.1 |
| 9 | 4.6 | 3.9 | 3.6 | 3.0 | 3.0 | 2.8 | 2.7 | 9.6 | 13 | 11 | 9.4 | 6.7 |
| 10 | 4.4 | 3.9 | 3.6 | 3.0 | 3.0 | 2.8 | 2.7 | 10 | 17 | 7.3 | 9.1 | 6.4 |
| 11 | 4.4 | 3.9 | 3.6 | 3.0 | 3.0 | 2.8 | 2.7 | 11 | 30 | 6.9 | 9.1 | 6.2 |
| 12 | 4.3 | 3.9 | 3.4 | 3.0 | 3.0 | 2.8 | 2.7 | 9.4 | 9.4 | 6.7 | 9.6 | 6.0 |
| 13 | 4.3 | 3.9 | 3.4 | 3.0 | 3.0 | 2.8 | 2.7 | 8.6 | 8.4 | 19 | 9.6 | 5.8 |
| 14 | 4.3 | 3.9 | 3.4 | 3.0 | 3.0 | 2.8 | 2.7 | 8.2 | 9.8 | 28 | 8.9 | 6.0 |
| 15 | 4.7 | 3.7 | 3.4 | 3.0 | 3.0 | 2.8 | 2.7 | 8.0 | 7.8 | 25 | 9.4 | 5.4 |
| 16 | 5.0 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.7 | 7.3 | 18 | 27 | 11 | 5.4 |
| 17 | 4.6 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.7 | 7.3 | 25 | 26 | 13 | 8.0 |
| 18 | 4.3 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.7 | 8.2 | 25 | 27 | 12 | 8.4 |
| 19 | 4.3 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.7 | 8.4 | 25 | 30 | 10 | 9.4 |
| 20 | 4.6 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.7 | 10 | 25 | 21 | 9.8 | 7.8 |
| 21 | 4.6 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.8 | 13 | 25 | 24 | 9.6 | 7.6 |
| 22 | 4.6 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.8 | 14 | 24 | 20 | 10 | 7.3 |
| 23 | 4.6 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 3.3 | 15 | 24 | 18 | 9.4 | 6.9 |
| 24 | 4.3 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 3.9 | 12 | 24 | 17 | 8.4 | 6.7 |
| 25 | 4.4 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 4.0 | 9.1 | 24 | 22 | 8.0 | 6.7 |
| 26 | 4.4 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 4.4 | 9.1 | 24 | 18 | 7.3 | 6.7 |
| 27 | 4.3 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 4.2 | 9.1 | 17 | 15 | 7.8 | 6.7 |
| 28 | 4.3 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 3.7 | 9.1 | 8.4 | 14 | 7.8 | 9.8 |
| 29 | 4.1 | 3.6 | 3.4 | 3.0 | --- | 2.7 | 3.7 | 9.4 | 8.4 | 13 | 6.9 | 10 |
| 30 | 3.9 | 3.6 | 3.4 | 3.0 | --- | 2.7 | 3.7 | 9.1 | 8.4 | 13 | 6.7 | 8.6 |
| 31 | 3.9 | --- | 3.4 | 3.0 | --- | 2.7 | --- | 9.1 | --- | 12 | 6.4 | --- |
| TOTAL | 140.8 | 112.3 | 107.6 | 95.0 | 81.2 | 85.2 | 90.5 | 258.3 | 482.4 | 522.3 | 297.9 | 215.8 |
| MEAN | 4.54 | 3.74 | 3.47 | 3.06 | 2.90 | 2.75 | 3.02 | 8.33 | 16.1 | 16.8 | 9.61 | 7.19 |
| AC-FT | 279 | 223 | 213 | 188 | 161 | 169 | 180 | 512 | 957 | 1040 | 591 | 428 |
| MAX | 5.2 | 3.9 | 3.6 | 3.4 | 3.0 | 2.8 | 4.4 | 15 | 30 | 30 | 14 | 10 |
| MIN | 3.9 | 3.6 | 3.4 | 3.0 | 2.8 | 2.7 | 2.7 | 2.5 | 7.8 | 6.7 | 6.4 | 5.4 |
| CAL YR 1989 TOTAL | 2396.5 | | MEAN | 6.57 | MAX | 39 | MIN | 2.2 | AC-FT | 4750 | | |
| WTR YR 1990 TOTAL | 2489.3 | | MEAN | 6.82 | MAX | 30 | MIN | 2.5 | AC-FT | 4940 | | |

MAX DISCH 103 CFS AT 1900 11-JUN-1990 GH 4.12 FT. SHIFT 0.0 FT. MAX GH 4.12 FT. AT 1900 11-JUN-1990



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO (1983)

LOCATION.--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.9 mi².

GAGE.--Graphic water-stage recorder in wooden box mounted on 30" metal pipe well. Control is 120° v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

REMARKS.--Records good except those for period when moisture in well Apr. 5-May 5, 1983. Stilling well and channel stayed ice-free during winter. Transmountain diversions above station diverted May 24-Sept. 7, 1983 through Charles H. Boustead Tunnel. Station maintained and records developed by Alan C. Martellaro.

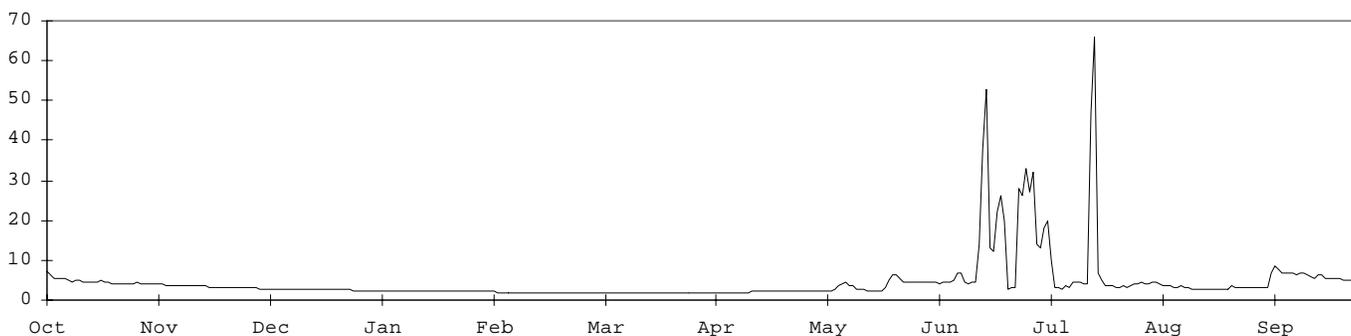
RATING TABLE.--CHAGULCO04 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 1 | 7.3 | 4.0 | 2.9 | 2.3 | 2.1 | 2.0 | 1.8 | 2.2 | 4.5 | 27 | 4.7 | 3.2 |
| 2 | 6.3 | 3.9 | 2.9 | 2.3 | 2.1 | 2.0 | 1.8 | 2.3 | 4.5 | 32 | 4.2 | 3.2 |
| 3 | 5.6 | 3.6 | 2.9 | 2.3 | 2.0 | 2.0 | 1.8 | 2.3 | 4.4 | 14 | 4.2 | 3.2 |
| 4 | 5.3 | 3.8 | 2.9 | 2.3 | 2.0 | 2.0 | 1.8 | 2.3 | 4.5 | 13 | 4.5 | 3.3 |
| 5 | 5.2 | 3.7 | 2.9 | 2.2 | 2.0 | 2.0 | 1.8 | 2.4 | 4.4 | 18 | 4.4 | 3.2 |
| 6 | 5.2 | 3.6 | 2.8 | 2.2 | 2.0 | 2.0 | 2.0 | 2.4 | 4.1 | 20 | 4.2 | 6.7 |
| 7 | 4.9 | 3.6 | 2.8 | 2.2 | 2.0 | 2.0 | 2.0 | 2.2 | 4.4 | 10 | 3.8 | 8.4 |
| 8 | 4.7 | 3.5 | 2.7 | 2.2 | 2.0 | 2.0 | 2.0 | 2.7 | 4.4 | 3.0 | 3.6 | 7.7 |
| 9 | 4.8 | 3.5 | 2.7 | 2.2 | 2.0 | 2.0 | 2.0 | 3.4 | 4.6 | 3.1 | 3.4 | 7.0 |
| 10 | 4.8 | 3.5 | 2.7 | 2.2 | 2.0 | 2.0 | 2.0 | 4.2 | 4.9 | 2.9 | 3.2 | 6.8 |
| 11 | 4.5 | 3.5 | 2.7 | 2.2 | 2.0 | 2.0 | 2.0 | 4.6 | 6.9 | 3.8 | 3.2 | 6.7 |
| 12 | 4.6 | 3.5 | 2.7 | 2.2 | 2.0 | 2.0 | 2.0 | 3.5 | 7.0 | 3.1 | 3.4 | 6.6 |
| 13 | 4.6 | 3.4 | 2.7 | 2.2 | 2.0 | 2.0 | 2.0 | 3.4 | 4.4 | 4.4 | 3.3 | 6.3 |
| 14 | 4.5 | 3.4 | 2.6 | 2.2 | 2.0 | 2.0 | 2.0 | 2.9 | 4.0 | 4.4 | 3.0 | 6.6 |
| 15 | 4.7 | 3.3 | 2.6 | 2.2 | 2.0 | 2.0 | 2.2 | 2.6 | 4.3 | 4.3 | 2.9 | 6.8 |
| 16 | 4.8 | 3.3 | 2.6 | 2.2 | 2.0 | 2.0 | 2.2 | 2.5 | 4.3 | 4.2 | 2.9 | 6.2 |
| 17 | 4.6 | 3.3 | 2.6 | 2.2 | 2.0 | 2.0 | 2.2 | 2.4 | 14 | 3.9 | 2.8 | 5.9 |
| 18 | 4.5 | 3.3 | 2.6 | 2.2 | 2.0 | 2.0 | 2.2 | 2.4 | 38 | 47 | 2.8 | 5.6 |
| 19 | 4.2 | 3.3 | 2.6 | 2.2 | 2.0 | 2.0 | 2.2 | 2.4 | 53 | 66 | 2.9 | 6.2 |
| 20 | 4.2 | 3.3 | 2.5 | 2.2 | 2.0 | 2.0 | 2.2 | 2.3 | 13 | 7.0 | 2.9 | 6.3 |
| 21 | 4.0 | 3.3 | 2.5 | 2.2 | 2.0 | 2.0 | 2.2 | 2.4 | 12 | 5.0 | 2.7 | 5.6 |
| 22 | 4.0 | 3.2 | 2.5 | 2.2 | 2.0 | 2.0 | 2.2 | 3.3 | 22 | 3.6 | 2.6 | 5.5 |
| 23 | 4.0 | 3.2 | 2.5 | 2.2 | 2.0 | 2.0 | 2.2 | 4.8 | 26 | 3.7 | 2.6 | 5.4 |
| 24 | 4.1 | 3.1 | 2.5 | 2.1 | 2.0 | 1.9 | 2.2 | 6.2 | 20 | 3.5 | 2.5 | 5.3 |
| 25 | 4.2 | 3.1 | 2.4 | 2.1 | 2.0 | 1.9 | 2.2 | 6.4 | 2.5 | 3.3 | 2.9 | 5.3 |
| 26 | 4.3 | 3.0 | 2.4 | 2.1 | 2.0 | 1.9 | 2.2 | 5.4 | 3.2 | 3.3 | 3.5 | 5.0 |
| 27 | 4.2 | 3.0 | 2.4 | 2.1 | 2.0 | 1.9 | 2.2 | 4.6 | 3.1 | 3.4 | 3.3 | 5.0 |
| 28 | 4.0 | 3.0 | 2.4 | 2.1 | 2.0 | 1.9 | 2.2 | 4.5 | 28 | 3.2 | 3.3 | 4.9 |
| 29 | 3.9 | 2.9 | 2.4 | 2.1 | --- | 1.9 | 2.2 | 4.5 | 26 | 3.4 | 3.3 | 5.0 |
| 30 | 4.1 | 2.9 | 2.4 | 2.1 | --- | 1.9 | 2.2 | 4.7 | 33 | 3.9 | 3.3 | 5.3 |
| 31 | 4.0 | --- | 2.3 | 2.1 | --- | 1.9 | --- | 4.5 | --- | 4.2 | 3.2 | --- |
| TOTAL | 144.1 | 101.0 | 81.1 | 67.8 | 56.2 | 61.2 | 62.2 | 106.7 | 369.4 | 331.6 | 103.5 | 168.2 |
| MEAN | 4.65 | 3.37 | 2.62 | 2.19 | 2.01 | 1.97 | 2.07 | 3.44 | 12.3 | 10.7 | 3.34 | 5.61 |
| AC-FT | 286 | 200 | 161 | 134 | 111 | 121 | 123 | 212 | 733 | 658 | 205 | 334 |
| MAX | 7.3 | 4.0 | 2.9 | 2.3 | 2.1 | 2.0 | 2.2 | 6.4 | 53 | 66 | 4.7 | 8.4 |
| MIN | 3.9 | 2.9 | 2.3 | 2.1 | 2.0 | 1.9 | 1.8 | 2.2 | 2.5 | 2.9 | 2.5 | 3.2 |

CAL YR 1982 TOTAL 326.2 MEAN 0.89 MAX 7.3 MIN 2.3 AC-FT 647
WTR YR 1983 TOTAL 1653.0 MEAN 4.53 MAX 66 MIN 1.8 AC-FT 3280

MAX DISCH 222 CFS AT 2200 18-JUL-1983 GH 4.48 FT. SHIFT -0.02 FT. MAX GH 4.48 FT. AT 2200 18-JUL-1983



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO (1984)

LOCATION.--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.9 mi².

GAGE.--Graphic water-stage recorder in wooden box mounted on 30" metal pipe. Control is 120° v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

REMARKS.--Records good. Stilling well and channel stayed ice-free during winter. Transmountain diversions above station diverted May 17-Sept. 30, 1984 through Charles H. Boustead Tunnel. Station maintained and records developed by Alan C. Martellaro.

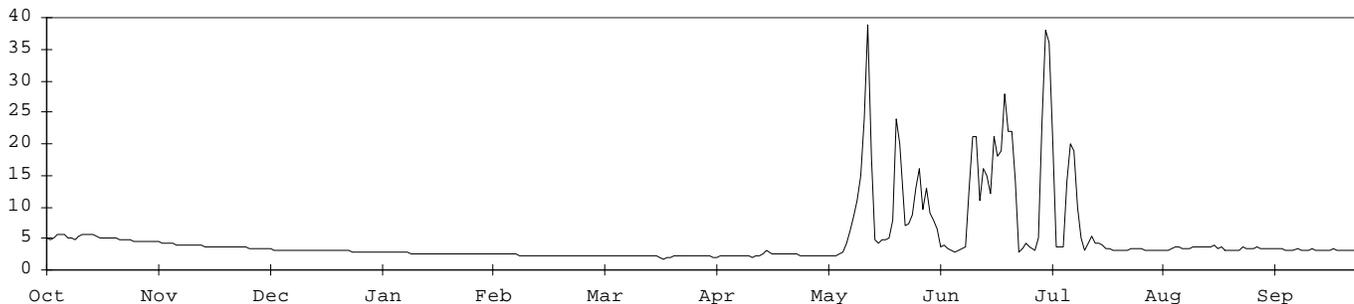
RATING TABLE.--CHAGULCO04 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|------|------|------|-------|-------|-------|-------|------|
| 1 | 5.0 | 4.5 | 3.3 | 2.8 | 2.4 | 2.2 | 2.2 | 2.3 | 13 | 3.1 | 3.2 | 3.6 |
| 2 | 4.9 | 4.3 | 3.3 | 2.8 | 2.4 | 2.2 | 2.2 | 2.3 | 8.9 | 5.2 | 3.2 | 3.5 |
| 3 | 5.1 | 4.3 | 3.2 | 2.8 | 2.4 | 2.2 | 2.1 | 2.3 | 7.8 | 23 | 3.2 | 3.4 |
| 4 | 5.6 | 4.1 | 3.2 | 2.8 | 2.4 | 2.2 | 2.1 | 2.2 | 6.6 | 38 | 3.2 | 3.3 |
| 5 | 5.6 | 4.2 | 3.2 | 2.8 | 2.4 | 2.2 | 2.2 | 2.2 | 3.6 | 36 | 3.2 | 3.3 |
| 6 | 5.5 | 4.0 | 3.2 | 2.7 | 2.4 | 2.2 | 2.2 | 2.2 | 3.9 | 21 | 3.2 | 3.3 |
| 7 | 5.2 | 4.0 | 3.2 | 2.7 | 2.4 | 2.2 | 2.2 | 2.2 | 3.3 | 3.8 | 3.2 | 3.3 |
| 8 | 5.0 | 4.0 | 3.2 | 2.7 | 2.4 | 2.2 | 2.2 | 2.4 | 3.0 | 3.8 | 3.4 | 3.3 |
| 9 | 4.9 | 3.9 | 3.2 | 2.7 | 2.3 | 2.2 | 2.3 | 2.9 | 2.8 | 3.6 | 3.6 | 3.2 |
| 10 | 5.4 | 4.0 | 3.2 | 2.6 | 2.3 | 2.2 | 2.2 | 4.3 | 3.0 | 14 | 3.6 | 3.2 |
| 11 | 5.7 | 4.0 | 3.2 | 2.6 | 2.3 | 2.2 | 2.3 | 6.3 | 3.4 | 20 | 3.5 | 3.2 |
| 12 | 5.6 | 3.9 | 3.2 | 2.6 | 2.3 | 2.2 | 2.2 | 8.4 | 3.7 | 19 | 3.5 | 3.3 |
| 13 | 5.6 | 3.9 | 3.2 | 2.6 | 2.3 | 2.2 | 2.2 | 11 | 13 | 10 | 3.5 | 3.2 |
| 14 | 5.5 | 3.7 | 3.2 | 2.6 | 2.3 | 2.2 | 2.1 | 15 | 21 | 5.2 | 3.7 | 3.2 |
| 15 | 5.4 | 3.7 | 3.2 | 2.6 | 2.3 | 2.2 | 2.2 | 24 | 21 | 3.2 | 3.7 | 3.2 |
| 16 | 5.1 | 3.7 | 3.1 | 2.6 | 2.3 | 2.2 | 2.3 | 39 | 11 | 4.3 | 3.6 | 3.3 |
| 17 | 5.1 | 3.7 | 3.1 | 2.6 | 2.3 | 2.2 | 2.6 | 18 | 16 | 5.4 | 3.7 | 3.2 |
| 18 | 5.2 | 3.7 | 3.1 | 2.6 | 2.3 | 2.2 | 3.0 | 4.7 | 15 | 4.3 | 3.8 | 3.2 |
| 19 | 5.2 | 3.6 | 3.1 | 2.6 | 2.2 | 2.0 | 2.6 | 4.2 | 12 | 4.2 | 3.8 | 3.2 |
| 20 | 5.0 | 3.6 | 3.1 | 2.6 | 2.2 | 1.8 | 2.5 | 4.7 | 21 | 4.0 | 3.9 | 3.2 |
| 21 | 4.9 | 3.6 | 3.1 | 2.5 | 2.2 | 2.0 | 2.4 | 4.8 | 18 | 3.4 | 3.4 | 3.2 |
| 22 | 4.9 | 3.6 | 3.0 | 2.5 | 2.2 | 2.1 | 2.4 | 5.2 | 19 | 3.3 | 3.6 | 3.3 |
| 23 | 4.8 | 3.6 | 3.0 | 2.5 | 2.2 | 2.2 | 2.5 | 7.8 | 28 | 3.2 | 3.2 | 3.2 |
| 24 | 4.7 | 3.6 | 3.0 | 2.5 | 2.2 | 2.2 | 2.6 | 24 | 22 | 3.2 | 3.2 | 3.2 |
| 25 | 4.5 | 3.6 | 2.9 | 2.5 | 2.2 | 2.2 | 2.4 | 20 | 22 | 3.1 | 3.2 | 3.2 |
| 26 | 4.6 | 3.4 | 2.9 | 2.4 | 2.2 | 2.2 | 2.4 | 7.1 | 14 | 3.1 | 3.1 | 3.2 |
| 27 | 4.5 | 3.4 | 2.9 | 2.4 | 2.2 | 2.2 | 2.3 | 7.2 | 2.9 | 3.2 | 3.2 | 3.2 |
| 28 | 4.5 | 3.4 | 2.8 | 2.4 | 2.2 | 2.2 | 2.3 | 8.8 | 3.3 | 3.4 | 3.6 | 3.2 |
| 29 | 4.5 | 3.4 | 2.8 | 2.4 | 2.2 | 2.2 | 2.3 | 13 | 4.2 | 3.3 | 3.5 | 3.2 |
| 30 | 4.5 | 3.4 | 2.8 | 2.4 | --- | 2.2 | 2.2 | 16 | 3.7 | 3.3 | 3.5 | 3.2 |
| 31 | 4.5 | --- | 2.8 | 2.4 | --- | 2.2 | --- | 9.6 | --- | 3.3 | 3.5 | --- |
| TOTAL | 156.5 | 113.8 | 95.7 | 80.3 | 66.4 | 67.3 | 69.7 | 284.1 | 330.1 | 266.9 | 106.7 | 97.7 |
| MEAN | 5.05 | 3.79 | 3.09 | 2.59 | 2.29 | 2.17 | 2.32 | 9.16 | 11.0 | 8.61 | 3.44 | 3.26 |
| AC-FT | 310 | 226 | 190 | 159 | 132 | 133 | 138 | 564 | 655 | 529 | 212 | 194 |
| MAX | 5.7 | 4.5 | 3.3 | 2.8 | 2.4 | 2.2 | 3.0 | 39 | 28 | 38 | 3.9 | 3.6 |
| MIN | 4.5 | 3.4 | 2.8 | 2.4 | 2.2 | 1.8 | 2.1 | 2.2 | 2.8 | 3.1 | 3.1 | 3.2 |

CAL YR 1983 TOTAL 1692.8 MEAN 4.64 MAX 66 MIN 1.8 AC-FT 3360
WTR YR 1984 TOTAL 1735.2 MEAN 4.74 MAX 39 MIN 1.8 AC-FT 3440

MAX DISCH 80.6 CFS AT 2200 24-MAY-1984 GH 3.51 FT. SHIFT -0.01 FT. MAX GH 3.51 FT. AT 2200 24-MAY-1984



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO (1985)

LOCATION.--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.9 mi².

GAGE.--Graphic water-stage recorder in wooden box mounted on 30" metal pipe. Control is 120° v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

REMARKS.--Records good except those for period when clock stopped Feb. 3-Apr. 18, 1985. Stilling well and channel stayed ice-free during winter. Transmountain diversions above station diverted from Oct. 1-Nov. 13, 1984, May 2-15, 1985 through Charles H. Boustead Tunnel. Station maintained and records developed by Alan C. Martellaro.

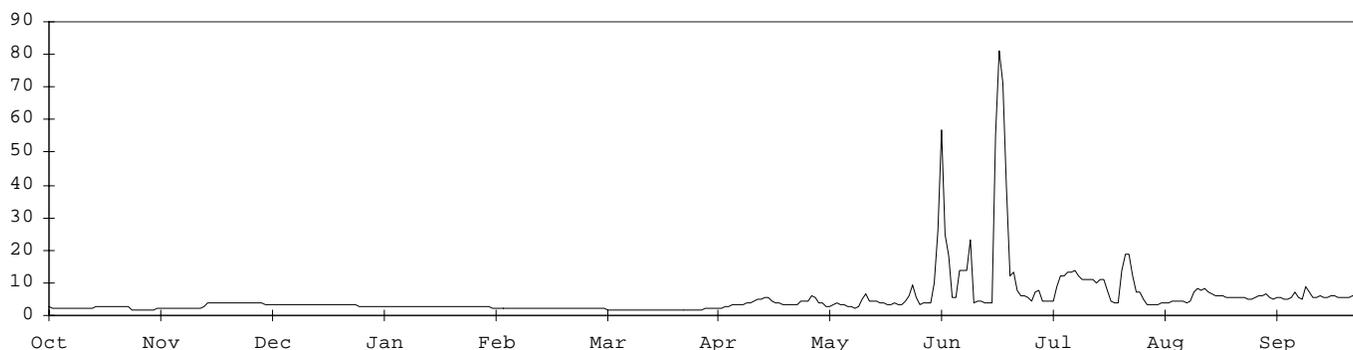
RATING TABLE.--CHAGULCO04 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|
| 1 | 2.8 | 2.1 | 3.5 | 2.9 | 2.4 | 2.0 | 2.0 | 5.9 | 3.6 | 4.5 | 4.9 | 5.4 |
| 2 | 2.4 | 2.1 | 3.5 | 2.9 | 2.4 | 2.0 | 2.0 | 5.3 | 3.8 | 7.2 | 3.3 | 6.2 |
| 3 | 2.4 | 2.2 | 3.4 | 2.9 | 2.4 | 2.0 | 2.2 | 4.1 | 3.9 | 7.7 | 3.2 | 5.9 |
| 4 | 2.4 | 2.1 | 3.4 | 2.9 | 2.4 | 2.0 | 2.2 | 3.6 | 10 | 4.3 | 3.2 | 6.7 |
| 5 | 2.4 | 2.1 | 3.4 | 2.8 | 2.4 | 1.9 | 2.3 | 2.5 | 26 | 4.2 | 3.3 | 5.5 |
| 6 | 2.4 | 2.1 | 3.3 | 2.8 | 2.4 | 1.9 | 2.4 | 2.7 | 57 | 4.2 | 3.6 | 5.0 |
| 7 | 2.4 | 2.1 | 3.3 | 2.8 | 2.4 | 1.9 | 2.6 | 3.3 | 25 | 4.2 | 4.0 | 5.3 |
| 8 | 2.4 | 2.1 | 3.3 | 2.8 | 2.4 | 1.9 | 2.8 | 4.1 | 18 | 8.7 | 4.1 | 5.4 |
| 9 | 2.4 | 2.1 | 3.3 | 2.7 | 2.3 | 1.8 | 3.1 | 3.5 | 5.5 | 12 | 4.2 | 4.8 |
| 10 | 2.4 | 2.1 | 3.3 | 2.7 | 2.3 | 1.8 | 3.1 | 3.5 | 5.3 | 12 | 4.2 | 4.7 |
| 11 | 2.4 | 2.1 | 3.3 | 2.7 | 2.3 | 1.8 | 3.4 | 2.7 | 14 | 13 | 4.2 | 5.5 |
| 12 | 2.4 | 2.1 | 3.3 | 2.7 | 2.3 | 1.8 | 3.5 | 2.5 | 14 | 13 | 4.2 | 7.1 |
| 13 | 2.4 | 2.9 | 3.3 | 2.6 | 2.3 | 1.8 | 3.7 | 2.4 | 14 | 14 | 4.1 | 5.4 |
| 14 | 2.5 | 4.1 | 3.3 | 2.6 | 2.2 | 1.8 | 3.9 | 3.0 | 23 | 12 | 4.5 | 4.9 |
| 15 | 2.5 | 4.1 | 3.3 | 2.6 | 2.2 | 1.8 | 4.6 | 5.0 | 3.6 | 11 | 7.0 | 9.0 |
| 16 | 2.5 | 4.1 | 3.3 | 2.6 | 2.2 | 1.8 | 4.9 | 6.5 | 4.2 | 11 | 8.4 | 7.4 |
| 17 | 2.5 | 4.0 | 3.3 | 2.6 | 2.2 | 1.8 | 5.1 | 4.2 | 4.3 | 11 | 8.0 | 5.7 |
| 18 | 2.5 | 4.0 | 3.3 | 2.6 | 2.2 | 1.8 | 5.5 | 4.2 | 4.1 | 11 | 8.2 | 5.5 |
| 19 | 2.6 | 3.9 | 3.2 | 2.6 | 2.2 | 1.7 | 5.3 | 4.2 | 3.8 | 10 | 7.0 | 6.0 |
| 20 | 2.6 | 3.8 | 3.2 | 2.6 | 2.2 | 1.7 | 4.2 | 3.9 | 4.1 | 11 | 6.4 | 5.3 |
| 21 | 2.5 | 3.8 | 3.2 | 2.6 | 2.2 | 1.7 | 3.8 | 3.7 | 55 | 11 | 6.3 | 5.4 |
| 22 | 2.5 | 3.8 | 3.2 | 2.6 | 2.2 | 1.6 | 3.6 | 3.3 | 81 | 7.8 | 6.3 | 6.0 |
| 23 | 2.6 | 3.8 | 3.1 | 2.6 | 2.1 | 1.6 | 3.4 | 3.3 | 71 | 4.5 | 6.2 | 5.9 |
| 24 | 1.7 | 3.7 | 3.1 | 2.6 | 2.1 | 1.5 | 3.4 | 3.7 | 40 | 4.1 | 5.6 | 5.5 |
| 25 | 1.7 | 3.7 | 3.1 | 2.6 | 2.1 | 1.6 | 3.3 | 3.5 | 12 | 3.9 | 5.5 | 5.3 |
| 26 | 1.6 | 3.7 | 3.0 | 2.6 | 2.1 | 1.6 | 3.2 | 3.3 | 13 | 14 | 5.5 | 5.3 |
| 27 | 1.6 | 3.6 | 3.0 | 2.5 | 2.0 | 1.7 | 3.5 | 4.2 | 7.7 | 19 | 5.4 | 5.5 |
| 28 | 1.6 | 3.6 | 3.0 | 2.5 | 2.0 | 1.7 | 4.3 | 6.1 | 6.3 | 19 | 5.5 | 6.3 |
| 29 | 1.6 | 3.6 | 3.0 | 2.5 | --- | 1.8 | 4.5 | 9.2 | 6.0 | 12 | 5.4 | 5.4 |
| 30 | 1.8 | 3.5 | 3.0 | 2.5 | --- | 1.8 | 4.6 | 5.3 | 5.3 | 7.4 | 5.2 | 5.2 |
| 31 | 2.1 | --- | 2.9 | 2.5 | --- | 1.9 | --- | 3.4 | --- | 7.3 | 5.2 | --- |
| TOTAL | 70.6 | 93.0 | 100.1 | 82.5 | 62.9 | 55.5 | 106.4 | 126.1 | 544.5 | 296.0 | 162.1 | 172.5 |
| MEAN | 2.28 | 3.10 | 3.23 | 2.66 | 2.25 | 1.79 | 3.55 | 4.07 | 18.2 | 9.55 | 5.23 | 5.75 |
| AC-FT | 140 | 184 | 199 | 164 | 125 | 110 | 211 | 250 | 1080 | 587 | 322 | 342 |
| MAX | 2.8 | 4.1 | 3.5 | 2.9 | 2.4 | 2.0 | 5.5 | 9.2 | 81 | 19 | 8.4 | 9.0 |
| MIN | 1.6 | 2.1 | 2.9 | 2.5 | 2.0 | 1.5 | 2.0 | 2.4 | 3.6 | 3.9 | 3.2 | 4.7 |

CAL YR 1984 TOTAL 1632.9 MEAN 4.46 MAX 39 MIN 1.6 AC-FT 3240
WTR YR 1985 TOTAL 1872.2 MEAN 5.13 MAX 81 MIN 1.5 AC-FT 3710

MAX DISCH 110 CFS AT 1830 21-JUN-1985 GH 3.81 FT. SHIFT 0.00 FT. MAX GH 3.81 FT. AT 1830 21-JUN-1985



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO (1986)

LOCATION.--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.9 mi².

GAGE.--Graphic water-stage recorder in wooden box mounted on 30" metal pipe. Control is 120° v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

REMARKS.--Records good except those for period when clock stopped Apr. 15-May 23, 1986. Stilling well and channel stayed ice-free during winter. Transmountain diversions above station diverted May 23-Aug. 18, 1986 through Charles H. Boustead Tunnel. Station maintained and records developed by Alan C. Martellaro.

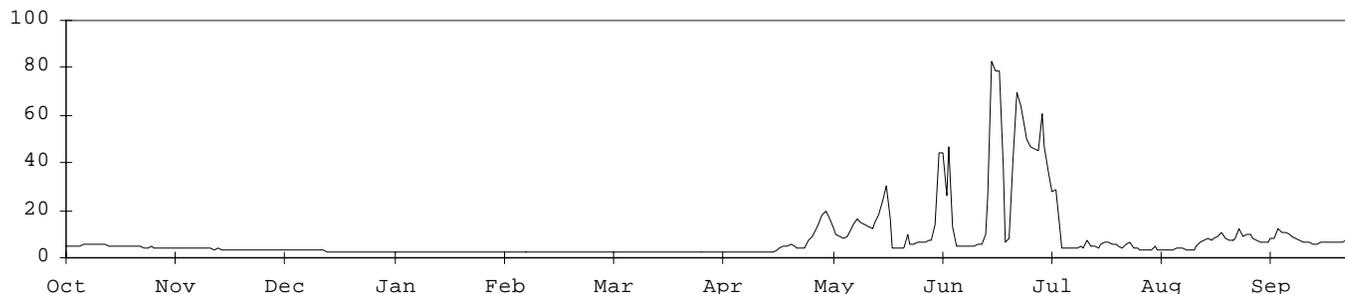
RATING TABLE.--CHAGULCO05 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 1 | 5.2 | 4.0 | 3.2 | 2.6 | 2.4 | 2.2 | 2.7 | 9.0 | 6.5 | 50 | 3.8 | 10 |
| 2 | 5.0 | 4.4 | 3.2 | 2.6 | 2.4 | 2.2 | 2.6 | 12 | 6.5 | 47 | 3.5 | 9.8 |
| 3 | 5.1 | 4.0 | 3.2 | 2.6 | 2.4 | 2.2 | 2.6 | 14 | 7.2 | 46 | 3.4 | 8.4 |
| 4 | 5.1 | 4.5 | 3.2 | 2.6 | 2.4 | 2.2 | 2.5 | 18 | 7.0 | 45 | 3.4 | 7.4 |
| 5 | 4.9 | 4.1 | 3.1 | 2.6 | 2.3 | 2.2 | 2.5 | 20 | 14 | 61 | 3.2 | 6.6 |
| 6 | 4.9 | 3.8 | 3.1 | 2.6 | 2.3 | 2.2 | 2.6 | 16 | 44 | 47 | 5.1 | 6.2 |
| 7 | 5.6 | 4.0 | 3.1 | 2.5 | 2.3 | 2.2 | 2.8 | 12 | 44 | 37 | 3.2 | 6.5 |
| 8 | 5.6 | 3.9 | 3.1 | 2.5 | 2.3 | 2.2 | 2.8 | 10 | 26 | 28 | 3.4 | 8.6 |
| 9 | 5.4 | 3.8 | 3.0 | 2.5 | 2.3 | 2.2 | 2.7 | 9.0 | 47 | 29 | 3.5 | 8.4 |
| 10 | 5.5 | 3.9 | 3.0 | 2.5 | 2.2 | 2.2 | 2.6 | 8.0 | 13 | 13 | 3.0 | 12 |
| 11 | 5.6 | 3.8 | 3.0 | 2.5 | 2.2 | 2.2 | 2.6 | 9.0 | 5.1 | 4.1 | 3.3 | 11 |
| 12 | 5.5 | 3.8 | 2.9 | 2.4 | 2.2 | 2.2 | 2.6 | 12 | 4.8 | 4.2 | 4.0 | 11 |
| 13 | 5.4 | 3.6 | 2.9 | 2.4 | 2.2 | 2.2 | 2.6 | 14 | 4.8 | 4.3 | 4.1 | 10 |
| 14 | 4.9 | 3.7 | 2.9 | 2.4 | 2.2 | 2.2 | 2.5 | 16 | 5.0 | 4.1 | 3.7 | 9.2 |
| 15 | 5.1 | 3.6 | 2.8 | 2.4 | 2.2 | 2.2 | 2.6 | 15 | 5.1 | 4.2 | 3.6 | 7.8 |
| 16 | 4.8 | 3.6 | 2.8 | 2.4 | 2.2 | 2.2 | 2.7 | 14 | 5.2 | 4.6 | 3.6 | 7.2 |
| 17 | 5.0 | 3.6 | 2.8 | 2.4 | 2.2 | 2.2 | 2.6 | 13 | 5.4 | 4.2 | 3.5 | 6.8 |
| 18 | 4.9 | 3.5 | 2.8 | 2.4 | 2.2 | 2.2 | 2.5 | 12 | 5.4 | 7.4 | 5.1 | 6.6 |
| 19 | 4.8 | 3.4 | 2.8 | 2.4 | 2.2 | 2.2 | 2.5 | 15 | 10 | 4.8 | 6.9 | 6.3 |
| 20 | 4.7 | 3.3 | 2.8 | 2.4 | 2.2 | 2.1 | 2.6 | 18 | 26 | 4.6 | 7.0 | 5.9 |
| 21 | 4.8 | 3.3 | 2.8 | 2.4 | 2.2 | 2.2 | 3.0 | 24 | 83 | 4.1 | 8.1 | 5.6 |
| 22 | 4.6 | 3.3 | 2.8 | 2.4 | 2.2 | 2.2 | 4.0 | 30 | 79 | 6.1 | 7.2 | 6.8 |
| 23 | 4.8 | 3.3 | 2.8 | 2.4 | 2.2 | 2.3 | 5.0 | 16 | 79 | 6.6 | 8.3 | 6.6 |
| 24 | 4.5 | 3.3 | 2.8 | 2.4 | 2.2 | 2.2 | 5.0 | 4.4 | 38 | 6.3 | 9.0 | 6.6 |
| 25 | 4.5 | 3.3 | 2.7 | 2.4 | 2.2 | 2.2 | 5.4 | 4.4 | 6.9 | 5.9 | 11 | 6.5 |
| 26 | 4.6 | 3.2 | 2.7 | 2.4 | 2.2 | 2.2 | 5.0 | 4.5 | 7.9 | 5.4 | 8.6 | 6.5 |
| 27 | 4.5 | 3.2 | 2.7 | 2.4 | 2.2 | 2.4 | 4.5 | 4.5 | 42 | 4.7 | 7.2 | 6.6 |
| 28 | 4.5 | 3.2 | 2.6 | 2.4 | 2.2 | 2.6 | 4.0 | 9.9 | 70 | 4.3 | 7.6 | 6.8 |
| 29 | 4.4 | 3.2 | 2.6 | 2.4 | --- | 2.7 | 4.5 | 5.6 | 64 | 5.8 | 8.3 | 7.0 |
| 30 | 4.4 | 3.2 | 2.6 | 2.4 | --- | 2.8 | 7.0 | 6.0 | 55 | 6.2 | 12 | 6.6 |
| 31 | 4.2 | --- | 2.6 | 2.4 | --- | 2.8 | --- | 6.3 | --- | 4.0 | 9.0 | --- |
| TOTAL | 152.8 | 108.8 | 89.4 | 76.1 | 62.9 | 70.5 | 99.6 | 381.6 | 816.8 | 508.9 | 176.6 | 231.3 |
| MEAN | 4.93 | 3.63 | 2.88 | 2.45 | 2.25 | 2.27 | 3.32 | 12.3 | 27.2 | 16.4 | 5.70 | 7.71 |
| AC-FT | 303 | 216 | 177 | 151 | 125 | 140 | 198 | 757 | 1620 | 1010 | 350 | 459 |
| MAX | 5.6 | 4.5 | 3.2 | 2.6 | 2.4 | 2.8 | 7.0 | 30 | 83 | 61 | 12 | 12 |
| MIN | 4.2 | 3.2 | 2.6 | 2.4 | 2.2 | 2.1 | 2.5 | 4.4 | 4.8 | 4.0 | 3.0 | 5.6 |

CAL YR 1985 TOTAL 1963.8 MEAN 5.38 MAX 76 MIN 1.5 AC-FT 3900
WTR YR 1986 TOTAL 2775.3 MEAN 7.60 MAX 83 MIN 2.1 AC-FT 5500

MAX DISCH 102 CFS AT 1930 20-JUN-1986 GH 3.73 FT. SHIFT 0.01 FT. MAX GH 3.73 FT. AT 1930 20-JUN-1986



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO (1987)

LOCATION.--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.9 mi².

GAGE.--Graphic water-stage recorder contained in wooden box mounted on 30" metal pipe. Control is 120° v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

REMARKS.--Records good except those for period when clock stopped Apr. 8-May 19, 1987. Stilling well and channel stayed ice-free during winter. Transmountain diversions above station diverted Jun. 29-Jul. 10 through Charles H. Boustead Tunnel. Station maintained and records developed by Alan C. Martellaro.

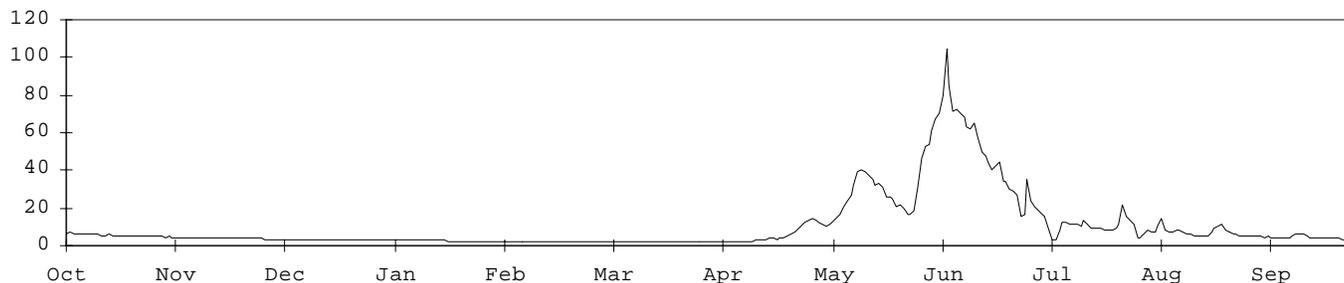
RATING TABLE.--CHAGULCO05 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|------|------|-------|------|------|-------|-------|-------|
| 1 | 6.5 | 4.6 | 3.5 | 2.8 | 2.4 | 2.2 | 2.2 | 14 | 47 | 35 | 4.4 | 5.1 |
| 2 | 6.6 | 4.5 | 3.5 | 2.8 | 2.4 | 2.2 | 2.2 | 13 | 53 | 24 | 4.3 | 5.0 |
| 3 | 6.8 | 4.5 | 3.4 | 2.8 | 2.4 | 2.2 | 2.2 | 12 | 54 | 21 | 6.4 | 4.9 |
| 4 | 6.6 | 4.2 | 3.4 | 2.7 | 2.4 | 2.2 | 2.2 | 11 | 61 | 19 | 7.9 | 4.9 |
| 5 | 6.2 | 4.3 | 3.4 | 2.8 | 2.4 | 2.3 | 2.2 | 10 | 67 | 17 | 7.2 | 4.7 |
| 6 | 6.2 | 4.3 | 3.3 | 2.7 | 2.4 | 2.4 | 2.2 | 11 | 70 | 16 | 7.0 | 4.5 |
| 7 | 6.3 | 4.2 | 3.3 | 2.7 | 2.4 | 2.4 | 2.2 | 13 | 80 | 9.8 | 10 | 4.7 |
| 8 | 6.2 | 4.2 | 3.3 | 2.7 | 2.4 | 2.4 | 2.3 | 15 | 105 | 3.2 | 14 | 4.6 |
| 9 | 6.2 | 4.3 | 3.3 | 2.6 | 2.4 | 2.3 | 2.3 | 17 | 85 | 3.1 | 8.4 | 4.4 |
| 10 | 6.0 | 4.2 | 3.2 | 2.6 | 2.4 | 2.3 | 2.4 | 21 | 71 | 8.6 | 7.6 | 4.2 |
| 11 | 6.2 | 4.2 | 3.2 | 2.6 | 2.4 | 2.3 | 2.4 | 24 | 72 | 12 | 7.2 | 4.1 |
| 12 | 5.6 | 4.1 | 3.2 | 2.6 | 2.4 | 2.3 | 2.4 | 27 | 70 | 12 | 7.8 | 4.0 |
| 13 | 5.5 | 4.0 | 3.2 | 2.6 | 2.4 | 2.3 | 2.4 | 32 | 68 | 11 | 8.3 | 4.1 |
| 14 | 5.8 | 4.0 | 3.2 | 2.6 | 2.4 | 2.3 | 2.4 | 39 | 63 | 11 | 7.4 | 4.7 |
| 15 | 5.6 | 4.0 | 3.2 | 2.6 | 2.4 | 2.3 | 2.6 | 40 | 62 | 11 | 6.5 | 5.8 |
| 16 | 5.6 | 4.0 | 3.2 | 2.6 | 2.4 | 2.2 | 2.9 | 39 | 65 | 10 | 6.2 | 6.3 |
| 17 | 5.4 | 3.9 | 3.1 | 2.6 | 2.4 | 2.2 | 3.2 | 37 | 57 | 13 | 5.6 | 6.2 |
| 18 | 5.5 | 3.9 | 3.1 | 2.5 | 2.4 | 2.2 | 3.6 | 35 | 50 | 11 | 5.4 | 5.0 |
| 19 | 5.4 | 3.9 | 3.1 | 2.5 | 2.4 | 2.2 | 4.0 | 32 | 48 | 9.6 | 5.1 | 4.5 |
| 20 | 5.5 | 3.9 | 3.0 | 2.5 | 2.4 | 2.2 | 3.8 | 33 | 44 | 9.0 | 5.0 | 4.3 |
| 21 | 5.2 | 3.8 | 3.0 | 2.5 | 2.3 | 2.2 | 3.5 | 31 | 40 | 9.2 | 5.1 | 4.2 |
| 22 | 5.1 | 3.8 | 3.0 | 2.5 | 2.3 | 2.2 | 3.7 | 26 | 42 | 9.2 | 7.6 | 4.0 |
| 23 | 5.1 | 3.7 | 2.9 | 2.5 | 2.3 | 2.2 | 4.3 | 26 | 44 | 8.4 | 9.2 | 3.9 |
| 24 | 5.1 | 3.7 | 2.9 | 2.5 | 2.3 | 2.2 | 5.2 | 25 | 34 | 7.9 | 10 | 3.9 |
| 25 | 4.9 | 3.7 | 2.9 | 2.5 | 2.3 | 2.2 | 6.0 | 21 | 34 | 8.0 | 11 | 3.8 |
| 26 | 4.9 | 3.7 | 2.8 | 2.5 | 2.3 | 2.2 | 7.2 | 22 | 30 | 9.6 | 8.6 | 3.7 |
| 27 | 4.8 | 3.6 | 2.8 | 2.4 | 2.3 | 2.2 | 8.6 | 20 | 29 | 11 | 7.0 | 3.7 |
| 28 | 4.8 | 3.6 | 2.8 | 2.4 | 2.2 | 2.2 | 10 | 17 | 27 | 22 | 6.5 | 3.6 |
| 29 | 4.8 | 3.6 | 2.8 | 2.4 | --- | 2.2 | 12 | 17 | 16 | 16 | 6.0 | 3.5 |
| 30 | 4.6 | 3.5 | 2.8 | 2.4 | --- | 2.2 | 13 | 19 | 17 | 13 | 5.6 | 3.4 |
| 31 | 4.7 | --- | 2.8 | 2.4 | --- | 2.2 | --- | 31 | --- | 11 | 5.2 | --- |
| TOTAL | 173.7 | 119.9 | 96.6 | 79.9 | 66.3 | 69.6 | 125.6 | 730 | 1605 | 391.6 | 223.5 | 133.7 |
| MEAN | 5.60 | 4.00 | 3.12 | 2.58 | 2.37 | 2.25 | 4.19 | 23.5 | 53.5 | 12.6 | 7.21 | 4.46 |
| AC-FT | 345 | 238 | 192 | 158 | 132 | 138 | 249 | 1450 | 3180 | 777 | 443 | 265 |
| MAX | 6.8 | 4.6 | 3.5 | 2.8 | 2.4 | 2.4 | 13 | 40 | 105 | 35 | 14 | 6.3 |
| MIN | 4.6 | 3.5 | 2.8 | 2.4 | 2.2 | 2.2 | 2.2 | 10 | 16 | 3.1 | 4.3 | 3.4 |

CAL YR 1986 TOTAL 2814.5 MEAN 7.71 MAX 83 MIN 2.1 AC-FT 5580
WTR YR 1987 TOTAL 3815.4 MEAN 10.5 MAX 105 MIN 2.2 AC-FT 7570

MAX DISCH 125 CFS AT 2330 07-JUN-1987 GH 3.96 FT. SHIFT -0.04 FT. MAX GH 3.96 FT. AT 2330 07-JUN-1987



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO (1988)

LOCATION.--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.9 mi².

GAGE.--Graphic water-stage recorder contained in wooden box mounted on 30" metal pipe. Control is 120° v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

REMARKS.--Records good except those for period when clock stopped Apr. 12-Jun. 2, Sept. 23-30, 1988. Stilling well and channel stayed ice-free during winter. Transmountain diversions above station diverted Jun. 9-Jul. 12, 1988 through Charles H. Boustead Tunnel. Station maintained and records developed by Wayne I. Schieldt.

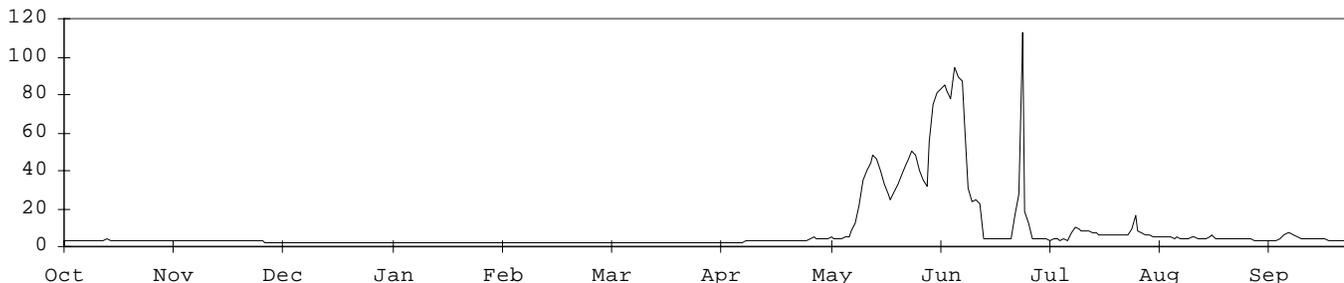
RATING TABLE.--CHAGULCO05 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|--------|-------|-------|-------|
| 1 | 3.4 | 3.2 | 2.4 | 2.2 | 2.0 | 1.9 | 1.8 | 5.0 | 35 | 12 | 8.0 | 3.8 |
| 2 | 3.3 | 3.3 | 2.4 | 2.2 | 2.0 | 1.9 | 1.8 | 4.4 | 32 | 4.0 | 7.0 | 3.6 |
| 3 | 3.2 | 3.1 | 2.4 | 2.2 | 2.0 | 1.9 | 1.9 | 4.0 | 55 | 3.9 | 6.5 | 3.5 |
| 4 | 3.2 | 2.8 | 2.4 | 2.2 | 2.0 | 1.9 | 1.9 | 4.0 | 75 | 3.9 | 5.9 | 3.4 |
| 5 | 3.2 | 2.8 | 2.4 | 2.2 | 2.0 | 1.9 | 1.9 | 4.5 | 81 | 3.9 | 5.6 | 3.3 |
| 6 | 3.2 | 3.0 | 2.4 | 2.2 | 2.0 | 1.9 | 2.1 | 5.0 | 83 | 3.8 | 5.5 | 3.2 |
| 7 | 3.1 | 3.0 | 2.4 | 2.1 | 2.0 | 1.9 | 2.4 | 4.5 | 85 | 3.5 | 5.6 | 3.2 |
| 8 | 3.1 | 2.8 | 2.4 | 2.1 | 2.0 | 1.9 | 2.4 | 4.2 | 82 | 3.7 | 5.2 | 3.2 |
| 9 | 3.1 | 2.8 | 2.4 | 2.1 | 2.0 | 1.9 | 2.0 | 4.2 | 78 | 3.9 | 4.9 | 3.1 |
| 10 | 3.1 | 2.8 | 2.4 | 2.1 | 2.0 | 1.9 | 2.0 | 4.8 | 94 | 3.5 | 4.7 | 3.9 |
| 11 | 3.1 | 2.7 | 2.4 | 2.1 | 2.0 | 1.9 | 2.3 | 5.0 | 89 | 3.7 | 4.6 | 6.0 |
| 12 | 3.1 | 2.7 | 2.4 | 2.1 | 2.0 | 1.9 | 2.6 | 8.0 | 87 | 3.4 | 4.9 | 6.9 |
| 13 | 3.3 | 2.7 | 2.4 | 2.1 | 2.0 | 1.9 | 2.7 | 12 | 68 | 7.0 | 4.6 | 7.4 |
| 14 | 3.6 | 2.8 | 2.4 | 2.1 | 2.0 | 1.8 | 2.8 | 22 | 31 | 9.8 | 4.4 | 6.2 |
| 15 | 3.5 | 2.7 | 2.3 | 2.1 | 1.9 | 1.8 | 3.0 | 35 | 24 | 9.0 | 4.3 | 4.9 |
| 16 | 3.3 | 2.7 | 2.3 | 2.1 | 1.9 | 1.8 | 3.0 | 40 | 25 | 8.4 | 4.9 | 4.5 |
| 17 | 3.2 | 2.7 | 2.3 | 2.1 | 1.9 | 1.8 | 3.0 | 44 | 23 | 8.1 | 4.8 | 4.1 |
| 18 | 3.2 | 2.6 | 2.3 | 2.1 | 1.9 | 1.8 | 2.8 | 48 | 4.0 | 7.9 | 4.4 | 3.8 |
| 19 | 3.1 | 2.6 | 2.3 | 2.0 | 1.9 | 1.8 | 2.8 | 46 | 4.2 | 7.2 | 4.2 | 3.8 |
| 20 | 2.7 | 2.6 | 2.3 | 2.0 | 1.9 | 1.9 | 2.8 | 40 | 4.3 | 7.0 | 4.1 | 3.6 |
| 21 | 2.8 | 2.6 | 2.3 | 2.0 | 1.9 | 1.9 | 3.0 | 33 | 4.3 | 6.6 | 4.9 | 3.8 |
| 22 | 2.8 | 2.6 | 2.3 | 2.0 | 1.8 | 1.9 | 2.8 | 28 | 4.2 | 6.3 | 6.0 | 3.6 |
| 23 | 2.9 | 2.6 | 2.3 | 2.0 | 1.8 | 1.9 | 2.8 | 25 | 4.1 | 6.2 | 4.6 | 3.6 |
| 24 | 3.1 | 2.6 | 2.2 | 2.0 | 1.8 | 1.8 | 2.8 | 29 | 4.0 | 5.9 | 4.3 | 3.5 |
| 25 | 3.2 | 2.6 | 2.2 | 2.0 | 1.8 | 1.8 | 2.8 | 33 | 3.9 | 5.8 | 4.2 | 3.4 |
| 26 | 3.1 | 2.6 | 2.2 | 2.0 | 1.8 | 1.9 | 2.8 | 38 | 3.9 | 6.3 | 4.0 | 3.3 |
| 27 | 2.9 | 2.6 | 2.2 | 2.0 | 1.8 | 2.0 | 2.8 | 43 | 16 | 6.3 | 4.3 | 3.3 |
| 28 | 2.9 | 2.5 | 2.2 | 2.0 | 1.9 | 1.9 | 3.0 | 45 | 28 | 6.0 | 4.1 | 3.2 |
| 29 | 3.1 | 2.5 | 2.2 | 2.0 | 1.9 | 1.9 | 3.4 | 50 | 113 | 6.2 | 3.9 | 3.1 |
| 30 | 3.2 | 2.5 | 2.2 | 2.0 | --- | 1.9 | 4.0 | 48 | 18 | 8.8 | 3.8 | 3.2 |
| 31 | 3.2 | --- | 2.2 | 2.0 | --- | 1.8 | --- | 40 | --- | 16 | 3.8 | --- |
| TOTAL | 97.2 | 82.1 | 71.9 | 64.4 | 55.9 | 58.1 | 78.2 | 756.6 | 1258.9 | 198.0 | 152.0 | 119.4 |
| MEAN | 3.14 | 2.74 | 2.32 | 2.08 | 1.93 | 1.87 | 2.61 | 24.4 | 42.0 | 6.39 | 4.90 | 3.98 |
| AC-FT | 193 | 163 | 143 | 128 | 111 | 115 | 155 | 1500 | 2500 | 393 | 301 | 237 |
| MAX | 3.6 | 3.3 | 2.4 | 2.2 | 2.0 | 2.0 | 4.0 | 50 | 113 | 16 | 8.0 | 7.4 |
| MIN | 2.7 | 2.5 | 2.2 | 2.0 | 1.8 | 1.8 | 1.8 | 4.0 | 3.9 | 3.4 | 3.8 | 3.1 |

CAL YR 1987 TOTAL 3676.4 MEAN 10.1 MAX 105 MIN 2.2 AC-FT 7290
WTR YR 1988 TOTAL 2992.7 MEAN 8.18 MAX 113 MIN 1.8 AC-FT 5940

MAX DISCH 220 CFS AT 0230 29-JUN-1988 GH 4.42 FT. SHIFT 0.03 FT. MAX GH 4.42 FT. AT 0230 29-JUN-1988



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO (1989)

LOCATION.--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.9 mi².

GAGE.--Graphic water-stage recorder contained in wooden box mounted on 30" metal pipe well. Control is 120° v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

REMARKS.--Records good except those for period when clock stopped Oct. 1-3, Oct. 11, 1988-Mar. 23, 1989. Stilling well and channel stayed ice-free during winter. Transmountain diversions above station diverted Apr. 20-Jul. 14, Aug. 1-3, 1989 through Charles H. Boustead Tunnel. Station maintained and records developed by Wayne I. Schieldt.

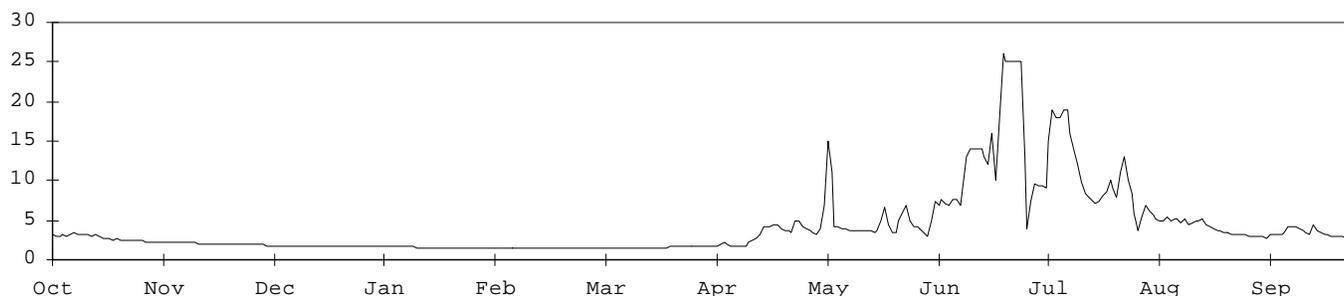
RATING TABLE.--CHAGULCO05 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|
| 1 | 3.2 | 2.2 | 1.8 | 1.6 | 1.5 | 1.4 | 1.6 | 3.9 | 4.1 | 13 | 5.9 | 3.1 |
| 2 | 3.1 | 2.2 | 1.7 | 1.6 | 1.5 | 1.4 | 1.6 | 3.6 | 3.9 | 4.0 | 3.7 | 3.0 |
| 3 | 3.0 | 2.2 | 1.7 | 1.6 | 1.5 | 1.4 | 1.6 | 3.4 | 3.4 | 7.4 | 5.4 | 3.0 |
| 4 | 2.9 | 2.2 | 1.7 | 1.6 | 1.5 | 1.4 | 1.6 | 3.3 | 2.9 | 9.7 | 6.8 | 2.9 |
| 5 | 3.2 | 2.1 | 1.7 | 1.6 | 1.4 | 1.4 | 1.6 | 3.9 | 5.0 | 9.4 | 6.2 | 2.9 |
| 6 | 3.0 | 2.1 | 1.7 | 1.6 | 1.4 | 1.4 | 1.6 | 7.0 | 7.4 | 9.4 | 5.6 | 2.9 |
| 7 | 3.2 | 2.1 | 1.7 | 1.6 | 1.4 | 1.4 | 1.9 | 15 | 7.0 | 9.2 | 5.2 | 2.8 |
| 8 | 3.4 | 2.1 | 1.7 | 1.6 | 1.4 | 1.5 | 2.1 | 11 | 7.6 | 15 | 4.9 | 3.1 |
| 9 | 3.2 | 2.1 | 1.7 | 1.6 | 1.4 | 1.5 | 1.9 | 4.2 | 7.1 | 19 | 4.8 | 3.2 |
| 10 | 3.1 | 2.1 | 1.7 | 1.6 | 1.4 | 1.5 | 1.8 | 4.1 | 7.0 | 18 | 5.4 | 3.2 |
| 11 | 3.1 | 2.1 | 1.7 | 1.6 | 1.4 | 1.5 | 1.7 | 4.0 | 7.6 | 18 | 5.0 | 3.2 |
| 12 | 3.1 | 2.0 | 1.7 | 1.5 | 1.4 | 1.5 | 1.6 | 4.0 | 7.6 | 19 | 5.2 | 3.4 |
| 13 | 3.0 | 2.0 | 1.7 | 1.5 | 1.4 | 1.5 | 1.7 | 3.8 | 7.0 | 19 | 5.1 | 4.2 |
| 14 | 3.2 | 2.0 | 1.7 | 1.5 | 1.4 | 1.5 | 1.8 | 3.7 | 9.2 | 16 | 4.7 | 4.3 |
| 15 | 2.9 | 2.0 | 1.7 | 1.5 | 1.4 | 1.5 | 2.2 | 3.6 | 13 | 14 | 5.1 | 4.3 |
| 16 | 2.7 | 1.9 | 1.7 | 1.5 | 1.4 | 1.5 | 2.4 | 3.6 | 14 | 12 | 4.5 | 3.9 |
| 17 | 2.7 | 1.9 | 1.7 | 1.5 | 1.4 | 1.5 | 2.8 | 3.6 | 14 | 9.8 | 4.6 | 3.6 |
| 18 | 2.6 | 1.9 | 1.7 | 1.5 | 1.4 | 1.5 | 3.2 | 3.8 | 14 | 8.3 | 5.0 | 3.4 |
| 19 | 2.5 | 1.9 | 1.7 | 1.5 | 1.4 | 1.5 | 4.2 | 3.8 | 14 | 7.8 | 5.0 | 3.2 |
| 20 | 2.6 | 1.9 | 1.7 | 1.5 | 1.4 | 1.5 | 4.3 | 3.5 | 13 | 7.6 | 5.2 | 4.5 |
| 21 | 2.5 | 1.9 | 1.7 | 1.5 | 1.4 | 1.5 | 4.3 | 3.7 | 12 | 7.2 | 4.4 | 3.8 |
| 22 | 2.5 | 1.9 | 1.7 | 1.5 | 1.4 | 1.5 | 4.4 | 4.9 | 16 | 7.4 | 4.1 | 3.4 |
| 23 | 2.4 | 1.9 | 1.7 | 1.5 | 1.4 | 1.5 | 4.5 | 6.7 | 10 | 8.1 | 3.9 | 3.2 |
| 24 | 2.4 | 1.9 | 1.7 | 1.5 | 1.4 | 1.6 | 4.0 | 4.5 | 18 | 8.6 | 3.8 | 3.1 |
| 25 | 2.4 | 1.9 | 1.7 | 1.5 | 1.4 | 1.6 | 3.7 | 3.5 | 26 | 10 | 3.6 | 3.0 |
| 26 | 2.4 | 1.9 | 1.7 | 1.5 | 1.4 | 1.6 | 3.6 | 3.5 | 25 | 9.0 | 3.5 | 3.0 |
| 27 | 2.4 | 1.9 | 1.6 | 1.5 | 1.4 | 1.6 | 3.5 | 4.8 | 25 | 7.9 | 3.4 | 2.9 |
| 28 | 2.2 | 1.9 | 1.6 | 1.5 | 1.4 | 1.6 | 5.0 | 6.0 | 25 | 11 | 3.3 | 2.9 |
| 29 | 2.3 | 1.9 | 1.6 | 1.5 | --- | 1.7 | 4.8 | 6.8 | 25 | 13 | 3.2 | 2.8 |
| 30 | 2.3 | 1.9 | 1.6 | 1.5 | --- | 1.6 | 4.2 | 5.0 | 25 | 10 | 3.2 | 2.8 |
| 31 | 2.3 | --- | 1.6 | 1.5 | --- | 1.6 | --- | 4.2 | --- | 8.4 | 3.2 | --- |
| TOTAL | 85.8 | 60.0 | 52.3 | 47.6 | 39.6 | 46.7 | 85.2 | 150.4 | 375.8 | 346.2 | 142.9 | 99.0 |
| MEAN | 2.77 | 2.00 | 1.69 | 1.54 | 1.41 | 1.51 | 2.84 | 4.85 | 12.5 | 11.2 | 4.61 | 3.30 |
| AC-FT | 170 | 119 | 104 | 94 | 79 | 93 | 169 | 298 | 745 | 687 | 283 | 196 |
| MAX | 3.4 | 2.2 | 1.8 | 1.6 | 1.5 | 1.7 | 5.0 | 15 | 26 | 19 | 6.8 | 4.5 |
| MIN | 2.2 | 1.9 | 1.6 | 1.5 | 1.4 | 1.4 | 1.6 | 3.3 | 2.9 | 4.0 | 3.2 | 2.8 |

CAL YR 1988 TOTAL 2939.6 MEAN 8.03 MAX 113 MIN 1.6 AC-FT 5830
WTR YR 1989 TOTAL 1531.5 MEAN 4.20 MAX 26 MIN 1.4 AC-FT 3040

MAX DISCH 37 CFS AT 1400 22-JUN-1989 GH 2.92 FT. SHIFT 0.06 FT. MAX GH 2.92 FT. AT 1400 22-JUN-1989



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO (1990)

LOCATION.--Lat 39°15'51", long 106°37'54", Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, Co.

DRAINAGE AREA.--5.9 mi².

GAGE.--Graphic water-stage recorder contained in wooden box mounted on 30" metal pipe well. Control is 120° v-notch, sharp crested weir. Datum of gage is 9,982.76 ft.

REMARKS.--Records good except those for period when clock stopped Dec. 17, 1989-Jan 12, Jan. 18-Mar. 21, 1990. Stilling well and channel stayed ice-free during winter. Transmountain diversions above station diverted May 20-Jul. 25, 1990 through Charles H. Boustead Tunnel. Station maintained and records developed by Wayne I. Schieldt.

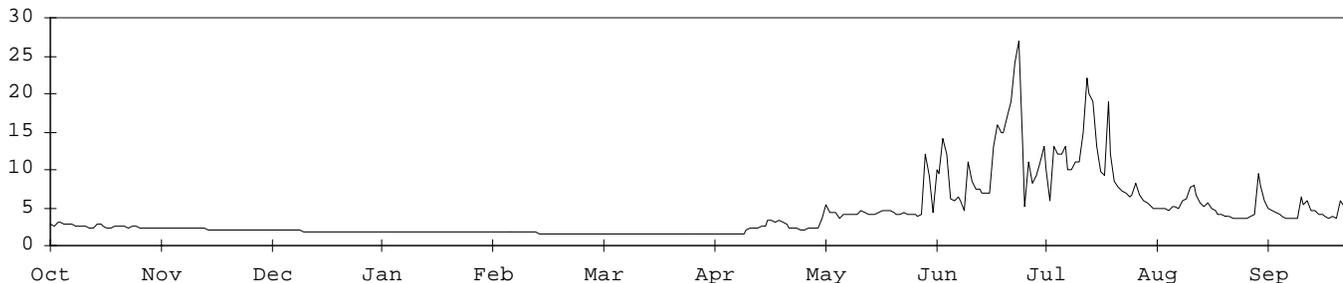
RATING TABLE.--CHAGULCO05 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 1 | 2.7 | 2.2 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.1 | 4.1 | 13 | 6.6 | 3.7 |
| 2 | 2.7 | 2.2 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.2 | 3.9 | 5.2 | 8.3 | 3.6 |
| 3 | 2.6 | 2.2 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.3 | 4.1 | 11 | 6.6 | 3.8 |
| 4 | 3.2 | 2.2 | 2.0 | 1.8 | 1.7 | 1.6 | 1.6 | 2.2 | 12 | 8.3 | 5.9 | 4.0 |
| 5 | 3.0 | 2.2 | 2.0 | 1.8 | 1.7 | 1.6 | 1.6 | 2.4 | 9.3 | 9.2 | 5.6 | 9.5 |
| 6 | 2.8 | 2.2 | 2.0 | 1.7 | 1.7 | 1.6 | 1.6 | 3.6 | 4.4 | 11 | 5.2 | 7.9 |
| 7 | 2.7 | 2.2 | 2.0 | 1.7 | 1.7 | 1.6 | 1.6 | 5.4 | 10 | 13 | 5.0 | 5.9 |
| 8 | 2.7 | 2.2 | 2.0 | 1.7 | 1.7 | 1.6 | 1.6 | 4.4 | 9.5 | 10 | 5.0 | 4.9 |
| 9 | 2.6 | 2.2 | 2.0 | 1.7 | 1.7 | 1.6 | 1.6 | 4.3 | 14 | 6.0 | 5.0 | 4.6 |
| 10 | 2.6 | 2.2 | 2.0 | 1.7 | 1.7 | 1.6 | 1.6 | 4.4 | 12 | 13 | 4.8 | 4.3 |
| 11 | 2.5 | 2.2 | 2.0 | 1.7 | 1.7 | 1.6 | 1.6 | 3.7 | 6.2 | 12 | 4.7 | 4.1 |
| 12 | 2.5 | 2.2 | 1.9 | 1.7 | 1.7 | 1.6 | 1.6 | 4.0 | 5.9 | 12 | 5.1 | 3.8 |
| 13 | 2.4 | 2.2 | 1.9 | 1.7 | 1.7 | 1.6 | 1.6 | 4.1 | 6.3 | 13 | 5.1 | 3.6 |
| 14 | 2.4 | 2.2 | 1.9 | 1.7 | 1.7 | 1.6 | 1.6 | 4.0 | 5.9 | 10 | 4.8 | 3.5 |
| 15 | 2.7 | 2.1 | 1.9 | 1.7 | 1.7 | 1.6 | 2.0 | 4.2 | 4.5 | 10 | 6.0 | 3.5 |
| 16 | 2.8 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.3 | 4.2 | 11 | 11 | 6.2 | 3.5 |
| 17 | 2.6 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.2 | 4.5 | 8.4 | 11 | 7.6 | 6.3 |
| 18 | 2.4 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.3 | 4.4 | 7.4 | 15 | 7.9 | 5.5 |
| 19 | 2.4 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.6 | 4.0 | 7.4 | 22 | 6.6 | 5.8 |
| 20 | 2.6 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.5 | 4.0 | 6.9 | 20 | 5.7 | 4.6 |
| 21 | 2.6 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 3.4 | 4.2 | 6.8 | 19 | 5.2 | 4.6 |
| 22 | 2.6 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 3.3 | 4.4 | 6.8 | 13 | 5.6 | 4.2 |
| 23 | 2.6 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 3.2 | 4.6 | 13 | 9.8 | 4.8 | 4.0 |
| 24 | 2.4 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 3.4 | 4.5 | 16 | 9.2 | 4.5 | 3.9 |
| 25 | 2.5 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 3.2 | 4.5 | 15 | 19 | 4.2 | 3.7 |
| 26 | 2.5 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.7 | 4.4 | 15 | 12 | 4.1 | 3.9 |
| 27 | 2.4 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.4 | 4.2 | 17 | 8.5 | 3.9 | 3.6 |
| 28 | 2.4 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 2.3 | 4.2 | 19 | 7.6 | 3.9 | 5.9 |
| 29 | 2.3 | 2.0 | 1.9 | 1.7 | --- | 1.6 | 2.2 | 4.3 | 24 | 7.2 | 3.7 | 5.2 |
| 30 | 2.2 | 2.0 | 1.9 | 1.7 | --- | 1.6 | 2.1 | 4.0 | 27 | 6.9 | 3.7 | 4.4 |
| 31 | 2.2 | --- | 1.9 | 1.7 | --- | 1.6 | --- | 4.1 | --- | 6.5 | 3.7 | --- |
| TOTAL | 79.6 | 62.9 | 60.0 | 53.5 | 46.3 | 49.6 | 64.5 | 121.8 | 312.8 | 354.4 | 165.0 | 139.8 |
| MEAN | 2.57 | 2.10 | 1.94 | 1.73 | 1.65 | 1.60 | 2.15 | 3.93 | 10.4 | 11.4 | 5.32 | 4.66 |
| AC-FT | 158 | 125 | 119 | 106 | 92 | 98 | 128 | 242 | 620 | 703 | 327 | 277 |
| MAX | 3.2 | 2.2 | 2.0 | 1.9 | 1.7 | 1.6 | 3.4 | 5.4 | 27 | 22 | 8.3 | 9.5 |
| MIN | 2.2 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 1.6 | 2.1 | 3.9 | 5.2 | 3.7 | 3.5 |

CAL YR 1989 TOTAL 1535.9 MEAN 4.21 MAX 26 MIN 1.4 AC-FT 3050
WTR YR 1990 TOTAL 1510.2 MEAN 4.14 MAX 27 MIN 1.6 AC-FT 3000

MAX DISCH 64 CFS AT 1600 09-JUN-1990 GH 3.33 FT. SHIFT 0.03 FT. MAX GH 3.33 FT. AT 1600 09-JUN-1990



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO (1983)

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Datum of gage is 8,330 ft.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 3, 1982-Apr. 27, 1983. Transmountain diversions above station diverted May 27- Sept. 19, 1983 through Charles H. Boustead Tunnel. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Alan C. Martellaro.

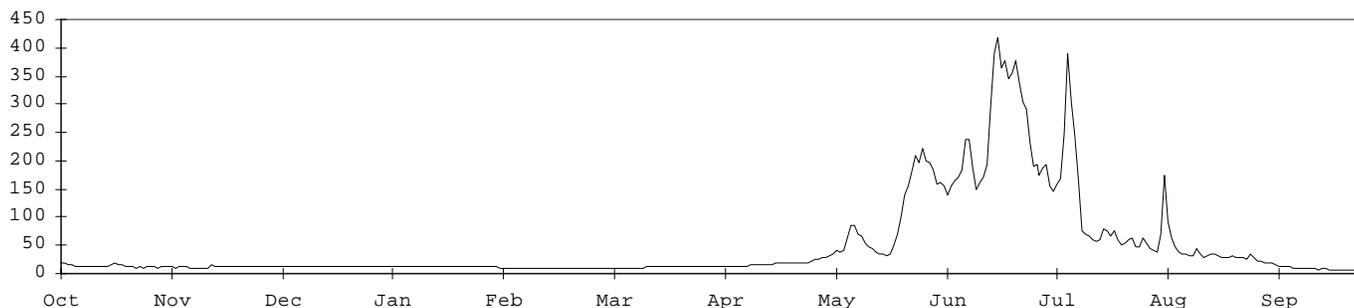
RATING TABLE.--FRYNFNCO09 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|------|-------|------|------|-------|
| 1 | 19 | 13 | 13 | 12 | 11 | 11 | 14 | 26 | 197 | 194 | 55 | 23 |
| 2 | 19 | 11 | 13 | 12 | 11 | 11 | 14 | 28 | 183 | 175 | 45 | 21 |
| 3 | 16 | 14 | 13 | 12 | 11 | 11 | 14 | 28 | 159 | 187 | 41 | 19 |
| 4 | 15 | 13 | 13 | 12 | 11 | 11 | 14 | 31 | 161 | 194 | 39 | 20 |
| 5 | 13 | 12 | 13 | 12 | 11 | 11 | 14 | 36 | 154 | 154 | 71 | 18 |
| 6 | 14 | 11 | 13 | 12 | 11 | 11 | 14 | 40 | 138 | 147 | 175 | 16 |
| 7 | 14 | 11 | 13 | 12 | 11 | 11 | 14 | 39 | 154 | 160 | 92 | 14 |
| 8 | 14 | 11 | 13 | 12 | 11 | 11 | 14 | 42 | 166 | 168 | 64 | 13 |
| 9 | 13 | 10 | 13 | 12 | 11 | 11 | 14 | 63 | 172 | 247 | 46 | 12 |
| 10 | 13 | 10 | 13 | 12 | 11 | 11 | 14 | 86 | 183 | 389 | 38 | 12 |
| 11 | 13 | 10 | 13 | 12 | 11 | 11 | 14 | 87 | 239 | 305 | 34 | 11 |
| 12 | 13 | 15 | 13 | 12 | 11 | 11 | 16 | 71 | 239 | 244 | 34 | 10 |
| 13 | 14 | 14 | 13 | 12 | 11 | 11 | 16 | 65 | 188 | 166 | 33 | 9.5 |
| 14 | 12 | 14 | 13 | 12 | 11 | 12 | 16 | 53 | 149 | 76 | 32 | 9.4 |
| 15 | 15 | 14 | 13 | 12 | 11 | 12 | 16 | 48 | 161 | 69 | 44 | 11 |
| 16 | 18 | 14 | 13 | 12 | 11 | 12 | 16 | 43 | 172 | 65 | 35 | 9.1 |
| 17 | 16 | 13 | 13 | 12 | 11 | 12 | 16 | 38 | 194 | 60 | 30 | 8.1 |
| 18 | 16 | 13 | 13 | 12 | 11 | 12 | 16 | 36 | 294 | 56 | 32 | 7.7 |
| 19 | 14 | 13 | 13 | 12 | 11 | 12 | 18 | 34 | 389 | 61 | 35 | 8.1 |
| 20 | 12 | 13 | 13 | 12 | 11 | 12 | 18 | 32 | 418 | 80 | 34 | 8.5 |
| 21 | 12 | 13 | 13 | 12 | 11 | 12 | 18 | 34 | 365 | 76 | 31 | 7.9 |
| 22 | 11 | 13 | 13 | 12 | 11 | 12 | 18 | 51 | 377 | 67 | 27 | 7.5 |
| 23 | 12 | 13 | 13 | 12 | 11 | 14 | 18 | 70 | 344 | 76 | 29 | 7.1 |
| 24 | 11 | 13 | 13 | 12 | 11 | 14 | 18 | 102 | 354 | 60 | 28 | 6.9 |
| 25 | 12 | 13 | 13 | 12 | 11 | 14 | 18 | 140 | 377 | 50 | 32 | 6.8 |
| 26 | 12 | 13 | 13 | 12 | 11 | 14 | 18 | 154 | 339 | 53 | 30 | 6.3 |
| 27 | 14 | 13 | 13 | 12 | 10 | 14 | 18 | 180 | 305 | 60 | 27 | 5.9 |
| 28 | 11 | 13 | 13 | 12 | 11 | 14 | 19 | 208 | 290 | 64 | 27 | 5.7 |
| 29 | 12 | 13 | 13 | 12 | --- | 14 | 22 | 197 | 231 | 49 | 24 | 5.5 |
| 30 | 14 | 13 | 13 | 12 | --- | 14 | 25 | 222 | 191 | 46 | 34 | 5.9 |
| 31 | 14 | --- | 13 | 12 | --- | 14 | --- | 201 | --- | 62 | 27 | --- |
| TOTAL | 428 | 379 | 403 | 372 | 307 | 377 | 494 | 2485 | 7283 | 3860 | 1325 | 325.9 |
| MEAN | 13.8 | 12.6 | 13.0 | 12.0 | 11.0 | 12.2 | 16.5 | 80.2 | 243 | 125 | 42.7 | 10.9 |
| AC-FT | 849 | 752 | 799 | 738 | 609 | 748 | 980 | 4930 | 14450 | 7660 | 2630 | 646 |
| MAX | 19 | 15 | 13 | 12 | 11 | 14 | 25 | 222 | 418 | 389 | 175 | 23 |
| MIN | 11 | 10 | 13 | 12 | 10 | 11 | 14 | 26 | 138 | 46 | 24 | 5.5 |

CAL YR 1982 TOTAL 1210 MEAN 3.32 MAX 19 MIN 10 AC-FT 2400
WTR YR 1983 TOTAL 18038.9 MEAN 49.4 MAX 418 MIN 5.5 AC-FT 35780

MAX DISCH 682 CFS AT 0030 20-JUN-1983 GH 4.97 FT. SHIFT -0.02 FT. MAX GH 4.97 FT. AT 0030 20-JUN-1983



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO (1984)

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Datum of gage is 8,330 ft.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 17, 1983-May 11, 1984. Transmountain diversions above station diverted May 16-Sept. 6, 1984 through Charles H. Boustead Tunnel. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Alan C. Martellaro.

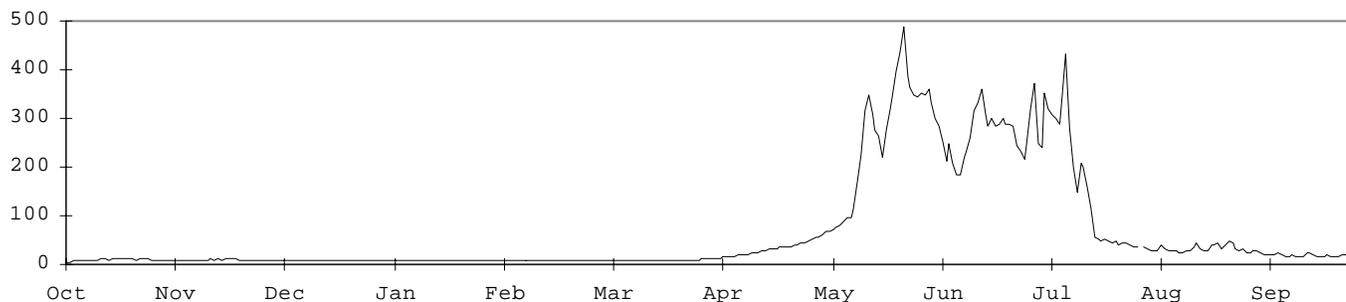
RATING TABLE.--FRYNFNCO09 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|------|
| 1 | 5.9 | 10 | 8.8 | 8.0 | 7.1 | 6.1 | 13 | 57 | 360 | 374 | 38 | 28 |
| 2 | 5.9 | 9.5 | 8.8 | 8.0 | 6.9 | 6.4 | 14 | 62 | 332 | 247 | 32 | 27 |
| 3 | 8.1 | 9.3 | 8.7 | 8.0 | 6.9 | 6.4 | 14 | 68 | 300 | 241 | 30 | 23 |
| 4 | 9.8 | 8.5 | 8.7 | 8.2 | 6.9 | 6.7 | 15 | 69 | 285 | 354 | 28 | 21 |
| 5 | 10 | 8.5 | 8.7 | 8.2 | 6.9 | 6.7 | 16 | 74 | 252 | 321 | 30 | 20 |
| 6 | 9.9 | 8.7 | 8.7 | 8.2 | 6.7 | 7.0 | 18 | 77 | 211 | 310 | 41 | 19 |
| 7 | 8.9 | 7.9 | 8.7 | 8.2 | 6.7 | 7.0 | 18 | 82 | 247 | 300 | 34 | 19 |
| 8 | 8.3 | 10 | 8.6 | 8.2 | 6.7 | 7.0 | 19 | 89 | 208 | 290 | 30 | 23 |
| 9 | 7.8 | 8.5 | 8.7 | 8.2 | 6.7 | 7.0 | 20 | 95 | 183 | 338 | 28 | 19 |
| 10 | 8.3 | 10 | 8.6 | 7.8 | 6.7 | 7.3 | 22 | 98 | 183 | 432 | 27 | 17 |
| 11 | 11 | 11 | 8.6 | 7.8 | 6.7 | 7.3 | 22 | 111 | 222 | 280 | 24 | 17 |
| 12 | 11 | 10 | 8.6 | 7.6 | 6.5 | 7.6 | 23 | 167 | 231 | 201 | 25 | 20 |
| 13 | 10 | 11 | 8.6 | 7.5 | 6.6 | 7.6 | 25 | 226 | 260 | 149 | 29 | 18 |
| 14 | 13 | 10 | 8.6 | 7.5 | 6.5 | 7.6 | 26 | 316 | 316 | 210 | 29 | 16 |
| 15 | 13 | 11 | 8.6 | 7.5 | 6.5 | 8.0 | 27 | 349 | 332 | 201 | 38 | 16 |
| 16 | 12 | 12 | 8.6 | 7.6 | 6.5 | 8.3 | 28 | 310 | 360 | 161 | 43 | 25 |
| 17 | 12 | 12 | 8.6 | 7.4 | 6.3 | 8.3 | 31 | 275 | 310 | 118 | 31 | 25 |
| 18 | 14 | 11 | 8.6 | 7.3 | 6.3 | 8.5 | 31 | 265 | 285 | 58 | 29 | 19 |
| 19 | 13 | 10 | 8.7 | 7.3 | 6.3 | 8.5 | 34 | 222 | 300 | 53 | 27 | 16 |
| 20 | 13 | 10 | 8.6 | 7.3 | 6.3 | 8.7 | 35 | 275 | 285 | 50 | 40 | 16 |
| 21 | 9.3 | 9.7 | 8.5 | 7.3 | 6.3 | 8.8 | 36 | 321 | 290 | 51 | 39 | 16 |
| 22 | 12 | 9.5 | 8.5 | 7.3 | 6.1 | 8.8 | 37 | 343 | 300 | 48 | 43 | 19 |
| 23 | 12 | 9.1 | 8.5 | 7.3 | 6.1 | 9.1 | 38 | 395 | 290 | 45 | 31 | 17 |
| 24 | 12 | 9.1 | 8.5 | 7.1 | 6.1 | 9.1 | 39 | 438 | 290 | 49 | 41 | 15 |
| 25 | 10 | 8.8 | 8.5 | 7.1 | 6.1 | 9.5 | 39 | 490 | 285 | 41 | 47 | 16 |
| 26 | 10 | 8.8 | 8.5 | 7.2 | 6.1 | 9.5 | 44 | 389 | 243 | 45 | 43 | 20 |
| 27 | 10 | 8.4 | 8.0 | 7.1 | 6.1 | 9.9 | 46 | 365 | 231 | 45 | 32 | 21 |
| 28 | 10 | 8.6 | 8.0 | 7.1 | 6.1 | 9.9 | 48 | 348 | 218 | 40 | 29 | 18 |
| 29 | 10 | 8.2 | 8.0 | 7.1 | 6.1 | 11 | 53 | 343 | 247 | 38 | 32 | 16 |
| 30 | 9.8 | 8.0 | 8.0 | 7.1 | --- | 11 | 55 | 354 | 319 | 36 | 26 | 14 |
| 31 | 9.8 | --- | 8.0 | 7.1 | --- | 12 | --- | 348 | --- | --- | 26 | --- |
| TOTAL | 319.8 | 287.1 | 264.1 | 234.6 | 187.8 | 256.6 | 886 | 7421 | 8175 | 5126 | 1022 | 576 |
| MEAN | 10.3 | 9.57 | 8.52 | 7.57 | 6.48 | 8.28 | 29.5 | 239 | 273 | 171 | 33.0 | 19.2 |
| AC-FT | 634 | 569 | 524 | 465 | 373 | 509 | 1760 | 14720 | 16220 | 10170 | 2030 | 1140 |
| MAX | 14 | 12 | 8.8 | 8.2 | 7.1 | 12 | 55 | 490 | 360 | 432 | 47 | 28 |
| MIN | 5.9 | 7.9 | 8.0 | 7.1 | 6.1 | 6.1 | 13 | 57 | 183 | 36 | 24 | 14 |

CAL YR 1983 TOTAL 871.0 MEAN 2.39 MAX 14 MIN 5.9 AC-FT 1730
WTR YR 1984 TOTAL 24756.0 MEAN 67.6 MAX 490 MIN 5.9 AC-FT 49100

MAX DISCH 648 CFS AT 2400 30-JUN-1984 GH 4.91 FT. SHIFT 0.0 FT. MAX GH 4.91 FT. AT 2400 30-JUN-1984



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO (1985)

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Datum of gage is 8,330 ft.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Oct. 23, 1984-Apr. 19, 1985. Clock stopped from Aug. 6-15, 1985. Transmountain diversions above station diverted May 4-Aug. 6, 1985 through Charles H. Boustead Tunnel. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Alan C. Martellaro.

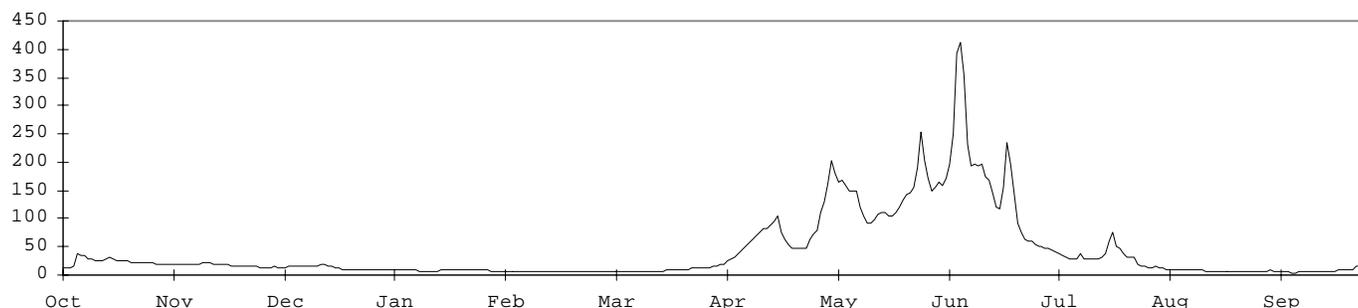
RATING TABLE.--FRYNFNCO9 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|-------|-------|-------|------|------|-------|------|-------|-------|
| 1 | 13 | 20 | 14 | 10 | 7.2 | 6.7 | 15 | 110 | 149 | 51 | 14 | 5.2 |
| 2 | 13 | 20 | 14 | 10 | 7.2 | 6.6 | 16 | 131 | 156 | 50 | 14 | 6.1 |
| 3 | 13 | 20 | 15 | 10 | 7.2 | 6.6 | 18 | 161 | 164 | 48 | 16 | 6.9 |
| 4 | 17 | 20 | 15 | 9.0 | 7.0 | 6.5 | 19 | 204 | 159 | 47 | 14 | 8.9 |
| 5 | 37 | 20 | 16 | 9.0 | 7.0 | 6.4 | 24 | 180 | 172 | 44 | 13 | 6.9 |
| 6 | 36 | 20 | 16 | 8.0 | 7.0 | 6.4 | 27 | 164 | 197 | 41 | 11 | 5.5 |
| 7 | 36 | 20 | 16 | 8.0 | 6.8 | 6.4 | 31 | 167 | 251 | 37 | 11 | 5.0 |
| 8 | 30 | 20 | 16 | 8.0 | 6.8 | 6.4 | 37 | 159 | 394 | 34 | 10 | 5.7 |
| 9 | 27 | 21 | 16 | 7.0 | 6.8 | 6.4 | 45 | 149 | 413 | 32 | 10 | 5.0 |
| 10 | 25 | 22 | 16 | 7.0 | 6.8 | 6.4 | 52 | 149 | 354 | 30 | 10 | 4.6 |
| 11 | 25 | 21 | 17 | 7.5 | 7.0 | 6.4 | 57 | 149 | 231 | 28 | 10 | 4.6 |
| 12 | 25 | 19 | 18 | 7.5 | 7.0 | 6.5 | 63 | 122 | 194 | 28 | 10 | 7.9 |
| 13 | 27 | 19 | 19 | 7.5 | 6.8 | 6.6 | 70 | 105 | 197 | 39 | 9.8 | 5.9 |
| 14 | 32 | 19 | 17 | 7.5 | 6.6 | 6.7 | 77 | 92 | 194 | 30 | 9.8 | 4.9 |
| 15 | 28 | 18 | 15 | 8.0 | 6.6 | 6.8 | 81 | 92 | 197 | 28 | 9.5 | 6.3 |
| 16 | 25 | 18 | 14 | 8.0 | 6.5 | 7.1 | 83 | 99 | 175 | 28 | 9.5 | 7.5 |
| 17 | 26 | 17 | 12 | 8.0 | 6.3 | 7.6 | 89 | 109 | 167 | 28 | 7.7 | 5.4 |
| 18 | 25 | 17 | 10 | 8.0 | 6.4 | 7.7 | 96 | 112 | 147 | 27 | 7.7 | 4.8 |
| 19 | 24 | 17 | 9.0 | 8.0 | 6.4 | 8.1 | 105 | 112 | 122 | 31 | 7.5 | 5.0 |
| 20 | 23 | 16 | 9.0 | 8.0 | 6.5 | 8.5 | 77 | 104 | 117 | 39 | 7.1 | 4.9 |
| 21 | 22 | 15 | 9.0 | 8.0 | 6.5 | 9.2 | 62 | 105 | 156 | 60 | 6.7 | 4.9 |
| 22 | 21 | 15 | 9.0 | 8.5 | 6.7 | 9.6 | 53 | 112 | 235 | 76 | 6.5 | 7.5 |
| 23 | 21 | 15 | 8.0 | 8.5 | 6.7 | 10 | 48 | 120 | 197 | 51 | 6.1 | 8.3 |
| 24 | 21 | 15 | 8.0 | 8.0 | 6.7 | 11 | 48 | 133 | 146 | 46 | 6.5 | 9.3 |
| 25 | 21 | 14 | 8.0 | 8.0 | 6.9 | 11 | 47 | 144 | 92 | 38 | 5.5 | 9.1 |
| 26 | 21 | 14 | 9.0 | 8.0 | 6.9 | 12 | 46 | 147 | 77 | 33 | 5.2 | 8.7 |
| 27 | 20 | 14 | 9.0 | 8.0 | 6.9 | 12 | 47 | 156 | 64 | 32 | 5.0 | 10 |
| 28 | 20 | 14 | 10 | 8.0 | 6.7 | 13 | 62 | 190 | 59 | 32 | 5.0 | 16 |
| 29 | 20 | 15 | 10 | 7.5 | --- | 14 | 73 | 252 | 60 | 19 | 5.4 | 16 |
| 30 | 20 | 14 | 10 | 7.5 | --- | 14 | 80 | 204 | 55 | 15 | 5.0 | 12 |
| 31 | 20 | --- | 10 | 7.2 | --- | 14 | --- | 172 | --- | 16 | 4.9 | --- |
| TOTAL | 734 | 529 | 394.0 | 251.2 | 189.9 | 266.6 | 1648 | 4405 | 5291 | 1138 | 273.4 | 218.8 |
| MEAN | 23.7 | 17.6 | 12.7 | 8.10 | 6.78 | 8.60 | 54.9 | 142 | 176 | 36.7 | 8.82 | 7.29 |
| AC-FT | 1460 | 1050 | 781 | 498 | 377 | 529 | 3270 | 8740 | 10490 | 2260 | 542 | 434 |
| MAX | 37 | 22 | 19 | 10 | 7.2 | 14 | 105 | 252 | 413 | 76 | 16 | 16 |
| MIN | 13 | 14 | 8.0 | 7.0 | 6.3 | 6.4 | 15 | 92 | 55 | 15 | 4.9 | 4.6 |

CAL YR 1984 TOTAL 25542.0 MEAN 69.8 MAX 490 MIN 6.1 AC-FT 50660
WTR YR 1985 TOTAL 15338.9 MEAN 42.0 MAX 413 MIN 4.6 AC-FT 30420

MAX DISCH 666 CFS AT 0030 09-JUN-1985 GH 4.91 FT. SHIFT +0.02 FT. MAX GH 4.91 FT. AT 0030 09-JUN-1985



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO (1986)

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Datum of gage is 8,330 ft.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 13, 1985-Apr. 30, 1986. No transmountain diversions associated with this station occurred. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Alan C. Martellaro.

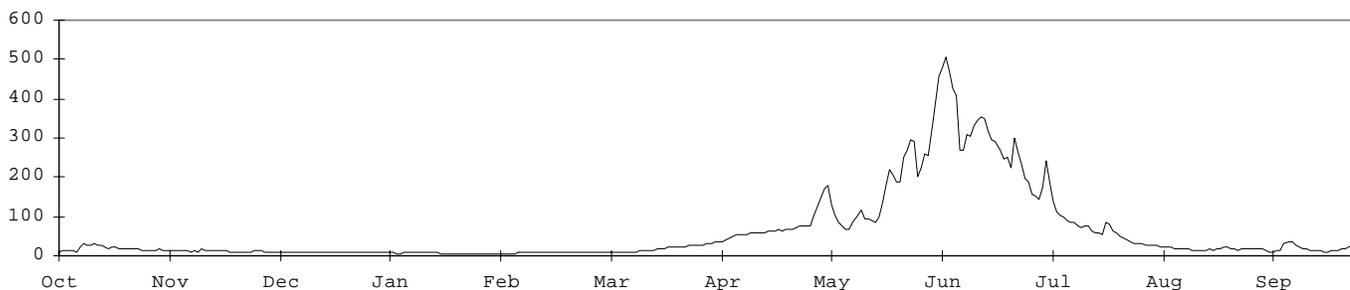
RATING TABLE.--FRYNFNCO09 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|-------|------|------|-------|------|------|-------|
| 1 | 11 | 12 | 8.7 | 7.0 | 6.4 | 7.9 | 30 | 102 | 260 | 158 | 30 | 17 |
| 2 | 12 | 13 | 8.5 | 6.8 | 6.4 | 8.0 | 32 | 126 | 256 | 151 | 27 | 18 |
| 3 | 12 | 13 | 8.4 | 6.8 | 6.5 | 8.1 | 35 | 147 | 316 | 144 | 25 | 20 |
| 4 | 14 | 12 | 8.1 | 6.7 | 6.6 | 8.2 | 37 | 172 | 383 | 175 | 26 | 16 |
| 5 | 12 | 12 | 8.0 | 6.7 | 6.6 | 8.2 | 36 | 180 | 458 | 243 | 25 | 14 |
| 6 | 11 | 12 | 8.0 | 6.8 | 6.7 | 8.5 | 41 | 131 | 477 | 188 | 24 | 11 |
| 7 | 22 | 11 | 7.9 | 7.2 | 6.8 | 8.9 | 46 | 104 | 504 | 138 | 22 | 9.5 |
| 8 | 30 | 12 | 7.9 | 7.2 | 6.8 | 9.1 | 49 | 85 | 470 | 112 | 21 | 14 |
| 9 | 29 | 11 | 7.7 | 7.1 | 6.9 | 9.7 | 52 | 74 | 425 | 104 | 22 | 15 |
| 10 | 28 | 17 | 7.7 | 7.0 | 6.9 | 10 | 53 | 65 | 407 | 98 | 19 | 32 |
| 11 | 30 | 14 | 7.5 | 7.0 | 7.1 | 11 | 52 | 68 | 269 | 89 | 17 | 34 |
| 12 | 26 | 13 | 7.5 | 6.9 | 7.2 | 11 | 55 | 86 | 270 | 85 | 16 | 34 |
| 13 | 27 | 12 | 7.6 | 6.9 | 7.2 | 12 | 57 | 104 | 310 | 86 | 17 | 25 |
| 14 | 24 | 12 | 7.5 | 6.8 | 7.4 | 12 | 57 | 115 | 305 | 76 | 16 | 22 |
| 15 | 20 | 12 | 7.4 | 6.9 | 7.1 | 13 | 56 | 96 | 332 | 70 | 14 | 19 |
| 16 | 22 | 12 | 7.4 | 6.7 | 7.0 | 12 | 57 | 96 | 343 | 78 | 13 | 17 |
| 17 | 21 | 12 | 7.4 | 6.5 | 6.9 | 15 | 59 | 90 | 354 | 78 | 13 | 15 |
| 18 | 20 | 11 | 7.3 | 6.4 | 6.9 | 17 | 61 | 87 | 348 | 62 | 12 | 13 |
| 19 | 18 | 11 | 7.3 | 6.4 | 6.8 | 17 | 63 | 97 | 316 | 56 | 12 | 13 |
| 20 | 17 | 11 | 7.1 | 6.2 | 6.8 | 18 | 64 | 133 | 295 | 56 | 16 | 12 |
| 21 | 17 | 11 | 7.1 | 6.3 | 6.9 | 21 | 65 | 180 | 292 | 55 | 15 | 11 |
| 22 | 17 | 11 | 7.1 | 6.4 | 6.9 | 21 | 64 | 218 | 270 | 83 | 18 | 11 |
| 23 | 16 | 11 | 7.2 | 6.4 | 7.1 | 22 | 65 | 208 | 247 | 82 | 18 | 13 |
| 24 | 15 | 11 | 7.2 | 6.4 | 7.2 | 24 | 67 | 190 | 252 | 63 | 23 | 13 |
| 25 | 14 | 12 | 7.2 | 6.4 | 7.5 | 23 | 69 | 190 | 222 | 59 | 23 | 15 |
| 26 | 15 | 12 | 7.1 | 6.4 | 7.6 | 24 | 72 | 252 | 301 | 51 | 20 | 18 |
| 27 | 15 | 13 | 7.1 | 6.4 | 7.7 | 25 | 75 | 270 | 265 | 45 | 17 | 18 |
| 28 | 15 | 11 | 7.1 | 6.4 | 7.7 | 25 | 76 | 295 | 231 | 40 | 15 | 23 |
| 29 | 16 | 10 | 7.0 | 6.4 | --- | 27 | 75 | 290 | 197 | 36 | 17 | 26 |
| 30 | 14 | 9.0 | 7.0 | 6.4 | --- | 27 | 78 | 203 | 187 | 33 | 18 | 22 |
| 31 | 14 | --- | 7.0 | 6.4 | --- | 29 | --- | 222 | --- | 32 | 18 | --- |
| TOTAL | 574 | 356.0 | 233.0 | 206.3 | 195.6 | 492.6 | 1698 | 4676 | 9562 | 2826 | 589 | 540.5 |
| MEAN | 18.5 | 11.9 | 7.52 | 6.65 | 6.99 | 15.9 | 56.6 | 151 | 319 | 91.2 | 19.0 | 18.0 |
| AC-FT | 1140 | 706 | 462 | 409 | 388 | 977 | 3370 | 9270 | 18970 | 5610 | 1170 | 1070 |
| MAX | 30 | 17 | 8.7 | 7.2 | 7.7 | 29 | 78 | 295 | 504 | 243 | 30 | 34 |
| MIN | 11 | 9.0 | 7.0 | 6.2 | 6.4 | 7.9 | 30 | 65 | 187 | 32 | 12 | 9.5 |

CAL YR 1985 TOTAL 14844.9 MEAN 40.7 MAX 413 MIN 4.6 AC-FT 29440
WTR YR 1986 TOTAL 21949.0 MEAN 60.1 MAX 504 MIN 6.2 AC-FT 43540

MAX DISCH 657 CFS AT 2330 06-JUN-1986 GH 4.93 FT. SHIFT -0.01 FT. MAX GH 4.93 FT. AT 2330 06-JUN-1986



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO (1987)

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Datum of gage is 8,330 ft.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 3, 1986-May 20, 1987. Clock stopped from July 17-Aug. 11, Aug. 12-Sept. 30, 1987. No transmountain diversions associated with this station occurred. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Alan C. Martellaro.

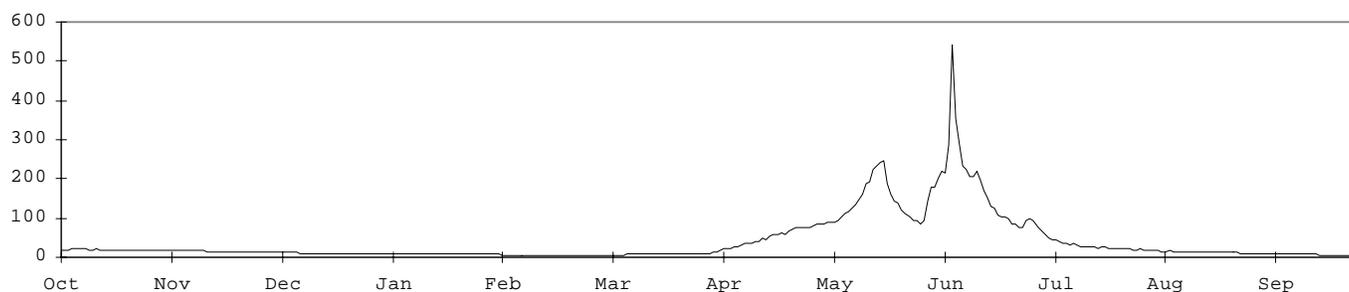
RATING TABLE.--FRYFNCO9 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|-------|-------|-------|------|------|-------|------|------|-------|
| 1 | 20 | 16 | 12 | 10 | 6.9 | 6.1 | 10 | 83 | 142 | 94 | 20 | 11 |
| 2 | 19 | 16 | 12 | 9.9 | 6.1 | 6.1 | 13 | 85 | 178 | 74 | 18 | 11 |
| 3 | 20 | 16 | 12 | 9.9 | 5.7 | 6.1 | 15 | 84 | 178 | 65 | 19 | 11 |
| 4 | 22 | 17 | 12 | 9.8 | 5.5 | 6.1 | 17 | 89 | 201 | 56 | 17 | 10 |
| 5 | 22 | 16 | 12 | 9.8 | 5.4 | 6.1 | 21 | 91 | 218 | 51 | 16 | 10 |
| 6 | 21 | 16 | 12 | 9.7 | 5.3 | 6.2 | 24 | 90 | 215 | 46 | 15 | 10 |
| 7 | 22 | 16 | 11 | 9.7 | 5.2 | 6.2 | 24 | 96 | 288 | 43 | 15 | 10 |
| 8 | 21 | 16 | 11 | 9.6 | 5.1 | 6.2 | 26 | 101 | 542 | 41 | 16 | 9.7 |
| 9 | 20 | 16 | 11 | 9.6 | 5.1 | 7.0 | 25 | 112 | 354 | 37 | 15 | 9.5 |
| 10 | 19 | 16 | 11 | 9.5 | 5.2 | 7.2 | 31 | 115 | 290 | 36 | 14 | 9.1 |
| 11 | 22 | 15 | 11 | 9.5 | 5.2 | 7.3 | 34 | 127 | 235 | 33 | 14 | 8.7 |
| 12 | 19 | 15 | 11 | 9.4 | 5.3 | 7.3 | 36 | 135 | 222 | 35 | 13 | 8.8 |
| 13 | 18 | 15 | 11 | 9.4 | 5.5 | 7.5 | 35 | 148 | 208 | 32 | 13 | 8.4 |
| 14 | 17 | 15 | 11 | 9.3 | 5.5 | 7.3 | 39 | 163 | 204 | 29 | 13 | 8.2 |
| 15 | 18 | 15 | 11 | 9.3 | 5.6 | 7.2 | 41 | 189 | 218 | 26 | 13 | 7.6 |
| 16 | 18 | 14 | 11 | 9.2 | 5.6 | 7.2 | 48 | 192 | 197 | 26 | 13 | 7.5 |
| 17 | 16 | 14 | 11 | 9.2 | 5.7 | 7.3 | 47 | 225 | 172 | 26 | 12 | 7.0 |
| 18 | 16 | 14 | 11 | 9.3 | 6.0 | 7.4 | 53 | 235 | 151 | 25 | 12 | 6.8 |
| 19 | 16 | 14 | 11 | 9.4 | 5.9 | 7.4 | 57 | 240 | 129 | 24 | 12 | 6.4 |
| 20 | 17 | 14 | 10 | 9.2 | 6.0 | 7.4 | 59 | 247 | 124 | 25 | 12 | 6.5 |
| 21 | 17 | 14 | 10 | 9.0 | 6.0 | 7.4 | 61 | 190 | 109 | 26 | 12 | 6.1 |
| 22 | 18 | 14 | 10 | 8.7 | 6.0 | 7.4 | 60 | 159 | 102 | 24 | 12 | 5.8 |
| 23 | 18 | 14 | 10 | 8.7 | 6.0 | 7.5 | 68 | 144 | 104 | 23 | 12 | 5.8 |
| 24 | 18 | 14 | 10 | 8.4 | 6.0 | 7.6 | 72 | 138 | 98 | 24 | 12 | 5.3 |
| 25 | 18 | 13 | 10 | 8.1 | 6.1 | 7.5 | 76 | 122 | 87 | 22 | 12 | 5.3 |
| 26 | 17 | 13 | 10 | 7.7 | 6.2 | 7.5 | 75 | 113 | 86 | 21 | 12 | 5.4 |
| 27 | 17 | 12 | 10 | 7.4 | 6.1 | 8.0 | 77 | 104 | 77 | 23 | 12 | 5.1 |
| 28 | 17 | 12 | 10 | 7.1 | 6.1 | 8.3 | 76 | 94 | 76 | 21 | 11 | 5.0 |
| 29 | 17 | 12 | 10 | 7.0 | --- | 8.9 | 78 | 92 | 94 | 20 | 11 | 4.9 |
| 30 | 17 | 12 | 10 | 7.2 | --- | 9.2 | 80 | 86 | 99 | 20 | 11 | 5.0 |
| 31 | 17 | --- | 10 | 7.3 | --- | 9.9 | --- | 96 | --- | 21 | 11 | --- |
| TOTAL | 574 | 436 | 335 | 277.3 | 160.3 | 225.8 | 1378 | 4185 | 5398 | 1069 | 420 | 230.9 |
| MEAN | 18.5 | 14.5 | 10.8 | 8.95 | 5.73 | 7.28 | 45.9 | 135 | 180 | 34.5 | 13.5 | 7.70 |
| AC-FT | 1140 | 865 | 664 | 550 | 318 | 448 | 2730 | 8300 | 10710 | 2120 | 833 | 458 |
| MAX | 22 | 17 | 12 | 10 | 6.9 | 9.9 | 80 | 247 | 542 | 94 | 20 | 11 |
| MIN | 16 | 12 | 10 | 7.0 | 5.1 | 6.1 | 10 | 83 | 76 | 20 | 11 | 4.9 |

CAL YR 1986 TOTAL 22131.0 MEAN 60.6 MAX 504 MIN 6.2 AC-FT 43900
WTR YR 1987 TOTAL 14689.3 MEAN 40.2 MAX 542 MIN 4.9 AC-FT 29140

MAX DISCH 824 CFS AT 0230 08-JUN-1987 GH 5.05 FT. SHIFT +0.06 FT. MAX GH 5.05 FT. AT 0230 08-JUN-1987



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO (1988)

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Datum of gage is 8,330 ft.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Clock stopped from Oct. 1-Nov. 6, 1987. Station was ice affected from Nov. 7, 1987-Apr. 21, 1988. Clock stopped from Apr. 22-May 11, 1988. No transmountain diversions associated with this station occurred. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Wayne I. Schieldt.

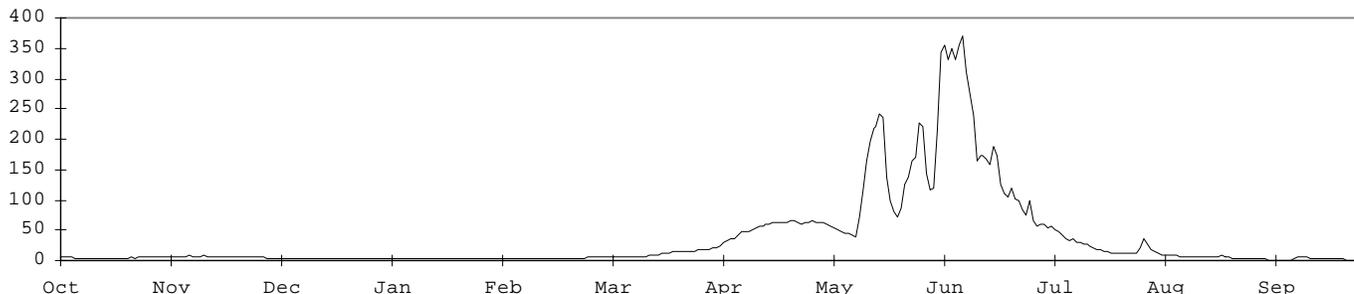
RATING TABLE.--FRYNFNCO09 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|------|-------|------|------|-------|------|-------|-------|
| 1 | 5.0 | 6.1 | 3.7 | 2.0 | 2.1 | 5.1 | 20 | 63 | 115 | 56 | 28 | 2.8 |
| 2 | 4.9 | 6.3 | 3.6 | 2.1 | 2.2 | 5.3 | 22 | 62 | 119 | 59 | 18 | 3.1 |
| 3 | 4.6 | 6.5 | 3.6 | 1.9 | 2.3 | 5.4 | 25 | 60 | 215 | 59 | 15 | 2.0 |
| 4 | 4.5 | 6.8 | 3.1 | 1.9 | 2.2 | 5.5 | 31 | 57 | 343 | 55 | 13 | 1.2 |
| 5 | 4.1 | 7.1 | 3.2 | 2.0 | 2.3 | 5.5 | 32 | 55 | 354 | 57 | 10 | 1.0 |
| 6 | 3.7 | 7.5 | 3.0 | 1.9 | 2.4 | 5.6 | 36 | 51 | 332 | 51 | 9.3 | 0.98 |
| 7 | 3.3 | 7.4 | 2.9 | 2.0 | 2.4 | 5.8 | 35 | 48 | 348 | 48 | 8.7 | 0.86 |
| 8 | 3.1 | 7.3 | 2.8 | 2.1 | 2.3 | 5.7 | 41 | 45 | 332 | 43 | 9.3 | 0.80 |
| 9 | 3.1 | 7.3 | 2.9 | 2.0 | 2.5 | 5.7 | 48 | 44 | 354 | 37 | 7.7 | 0.80 |
| 10 | 3.2 | 7.5 | 2.7 | 1.9 | 2.4 | 6.0 | 47 | 41 | 371 | 33 | 6.7 | 0.88 |
| 11 | 3.4 | 7.3 | 2.6 | 1.9 | 2.5 | 6.7 | 48 | 39 | 310 | 37 | 6.3 | 1.7 |
| 12 | 3.3 | 7.2 | 2.4 | 2.0 | 2.6 | 6.8 | 51 | 71 | 275 | 31 | 6.1 | 4.8 |
| 13 | 3.5 | 7.0 | 2.5 | 2.0 | 2.7 | 7.1 | 55 | 117 | 239 | 30 | 5.9 | 6.3 |
| 14 | 3.7 | 6.8 | 2.1 | 2.1 | 2.8 | 7.8 | 57 | 164 | 164 | 28 | 5.2 | 6.1 |
| 15 | 3.9 | 6.7 | 2.3 | 2.0 | 2.7 | 8.1 | 56 | 197 | 172 | 26 | 4.9 | 5.2 |
| 16 | 3.8 | 6.8 | 2.2 | 1.9 | 2.8 | 8.6 | 59 | 218 | 172 | 24 | 5.5 | 4.3 |
| 17 | 3.9 | 6.5 | 2.0 | 1.9 | 3.0 | 9.2 | 61 | 222 | 167 | 21 | 6.5 | 3.7 |
| 18 | 4.1 | 6.4 | 2.1 | 2.0 | 3.1 | 11 | 63 | 243 | 159 | 19 | 6.1 | 3.4 |
| 19 | 4.0 | 6.1 | 2.2 | 2.1 | 3.0 | 12 | 62 | 235 | 187 | 17 | 5.0 | 3.2 |
| 20 | 4.3 | 6.2 | 2.2 | 2.0 | 3.2 | 13 | 62 | 138 | 172 | 16 | 4.5 | 3.0 |
| 21 | 4.5 | 5.9 | 2.1 | 2.0 | 3.4 | 14 | 63 | 98 | 124 | 15 | 5.2 | 3.2 |
| 22 | 4.4 | 5.7 | 2.0 | 1.9 | 3.3 | 14 | 64 | 80 | 109 | 13 | 8.3 | 3.4 |
| 23 | 4.7 | 5.3 | 1.9 | 1.8 | 3.5 | 15 | 65 | 72 | 105 | 12 | 5.7 | 3.2 |
| 24 | 4.9 | 4.9 | 1.9 | 1.9 | 3.8 | 15 | 65 | 86 | 119 | 12 | 4.8 | 3.1 |
| 25 | 5.1 | 5.1 | 2.0 | 1.9 | 4.1 | 16 | 63 | 124 | 102 | 11 | 4.3 | 2.3 |
| 26 | 5.0 | 4.8 | 2.1 | 2.0 | 4.5 | 16 | 60 | 138 | 98 | 11 | 3.8 | 1.2 |
| 27 | 5.2 | 4.6 | 2.0 | 2.1 | 4.8 | 16 | 63 | 164 | 85 | 12 | 3.9 | 1.1 |
| 28 | 5.4 | 4.1 | 1.9 | 2.0 | 5.1 | 17 | 64 | 170 | 75 | 11 | 3.6 | 0.98 |
| 29 | 5.6 | 3.9 | 2.0 | 2.1 | 5.0 | 17 | 66 | 226 | 98 | 13 | 3.1 | 0.86 |
| 30 | 5.7 | 3.8 | 2.1 | 2.2 | --- | 18 | 64 | 222 | 65 | 21 | 3.0 | 0.92 |
| 31 | 5.9 | --- | 2.0 | 2.2 | --- | 19 | --- | 142 | --- | 37 | 3.0 | --- |
| TOTAL | 133.8 | 184.9 | 76.1 | 61.8 | 89.0 | 322.9 | 1548 | 3692 | 5880 | 915 | 230.4 | 76.38 |
| MEAN | 4.32 | 6.16 | 2.45 | 1.99 | 3.07 | 10.4 | 51.6 | 119 | 196 | 29.5 | 7.43 | 2.55 |
| AC-FT | 265 | 367 | 151 | 123 | 177 | 640 | 3070 | 7320 | 11660 | 1810 | 457 | 151 |
| MAX | 5.9 | 7.5 | 3.7 | 2.2 | 5.1 | 19 | 66 | 243 | 371 | 59 | 28 | 6.3 |
| MIN | 3.1 | 3.8 | 1.9 | 1.8 | 2.1 | 5.1 | 20 | 39 | 65 | 11 | 3.0 | 0.80 |

CAL YR 1987 TOTAL 13739.1 MEAN 37.6 MAX 542 MIN 1.9 AC-FT 27250
WTR YR 1988 TOTAL 13210.28 MEAN 36.1 MAX 371 MIN 0.80 AC-FT 26200

MAX DISCH 484 CFS AT 2330 04-JUN-1988 GH 4.64 FT. SHIFT +0.05 FT. MAX GH 4.64 FT. AT 2330 04-JUN-1988



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO (1989)

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Datum of gage is 8,330 ft.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 6, 1988-Apr. 16, 1989. Clock stopped from July 20 to Sept. 22, 1989. Transmountain diversions above station diverted Apr. 24-June 21, 1989 through Charles H. Boustead Tunnel. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Wayne I. Schieldt.

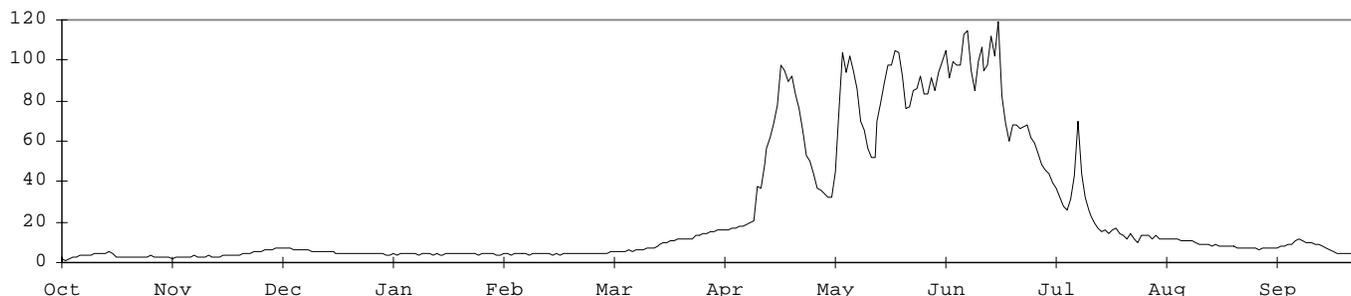
RATING TABLE.--FRYFNCO09 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|
| 1 | 1.7 | 2.1 | 7.2 | 4.0 | 4.0 | 4.6 | 15 | 37 | 83 | 59 | 13 | 6.9 |
| 2 | 0.86 | 2.6 | 7.0 | 4.1 | 4.1 | 4.8 | 15 | 36 | 91 | 54 | 13 | 6.7 |
| 3 | 1.5 | 2.6 | 7.1 | 4.0 | 4.1 | 4.9 | 16 | 34 | 85 | 48 | 12 | 6.8 |
| 4 | 2.4 | 2.8 | 6.9 | 4.1 | 4.0 | 5.2 | 16 | 32 | 94 | 46 | 13 | 7.1 |
| 5 | 2.6 | 2.3 | 6.7 | 4.2 | 4.1 | 5.1 | 16 | 32 | 99 | 44 | 12 | 7.3 |
| 6 | 3.6 | 2.4 | 6.6 | 4.3 | 4.1 | 5.3 | 16 | 45 | 105 | 39 | 12 | 7.5 |
| 7 | 3.7 | 3.2 | 6.3 | 4.2 | 4.2 | 5.4 | 17 | 74 | 91 | 37 | 12 | 7.6 |
| 8 | 3.6 | 2.6 | 6.4 | 4.1 | 4.1 | 5.7 | 17 | 104 | 99 | 32 | 12 | 7.9 |
| 9 | 3.2 | 3.1 | 6.1 | 4.0 | 4.0 | 5.9 | 18 | 94 | 98 | 28 | 12 | 8.3 |
| 10 | 4.2 | 2.6 | 5.8 | 4.1 | 4.1 | 5.8 | 18 | 102 | 98 | 26 | 12 | 8.8 |
| 11 | 4.6 | 3.7 | 5.7 | 4.2 | 4.2 | 6.0 | 19 | 95 | 113 | 31 | 11 | 9.4 |
| 12 | 4.4 | 3.0 | 5.5 | 4.1 | 4.1 | 6.3 | 20 | 86 | 115 | 43 | 11 | 11 |
| 13 | 4.9 | 3.1 | 5.4 | 4.0 | 4.1 | 6.5 | 21 | 70 | 95 | 70 | 11 | 12 |
| 14 | 5.4 | 3.0 | 5.5 | 4.1 | 4.2 | 6.8 | 38 | 65 | 85 | 44 | 11 | 11 |
| 15 | 4.2 | 3.2 | 5.3 | 4.0 | 4.1 | 6.9 | 37 | 56 | 99 | 32 | 10 | 10 |
| 16 | 2.6 | 3.4 | 5.1 | 4.0 | 3.9 | 7.5 | 48 | 52 | 107 | 26 | 9.4 | 10 |
| 17 | 2.5 | 3.3 | 4.8 | 4.1 | 4.1 | 8.1 | 56 | 52 | 95 | 23 | 9.0 | 9.8 |
| 18 | 2.4 | 3.5 | 4.7 | 4.2 | 4.0 | 8.9 | 62 | 70 | 98 | 20 | 8.9 | 9.4 |
| 19 | 2.5 | 3.7 | 4.6 | 4.3 | 4.1 | 9.6 | 69 | 79 | 112 | 17 | 8.7 | 9.1 |
| 20 | 2.5 | 3.9 | 4.5 | 4.2 | 4.2 | 10 | 78 | 89 | 102 | 15 | 8.5 | 8.5 |
| 21 | 2.5 | 4.2 | 4.6 | 4.2 | 4.1 | 11 | 98 | 98 | 119 | 16 | 8.6 | 7.1 |
| 22 | 2.5 | 4.5 | 4.6 | 4.3 | 4.2 | 11 | 95 | 98 | 82 | 14 | 8.4 | 6.2 |
| 23 | 2.4 | 4.7 | 4.5 | 4.2 | 4.1 | 12 | 90 | 105 | 69 | 16 | 8.3 | 5.0 |
| 24 | 2.4 | 5.0 | 4.4 | 4.2 | 4.2 | 12 | 92 | 104 | 60 | 17 | 8.1 | 4.8 |
| 25 | 2.6 | 5.3 | 4.3 | 4.1 | 4.3 | 12 | 83 | 92 | 68 | 14 | 8.0 | 4.4 |
| 26 | 3.8 | 5.6 | 4.2 | 4.0 | 4.2 | 12 | 76 | 76 | 68 | 13 | 7.8 | 4.3 |
| 27 | 3.0 | 5.9 | 4.1 | 4.1 | 4.3 | 12 | 65 | 77 | 66 | 12 | 7.4 | 4.2 |
| 28 | 2.3 | 6.3 | 4.2 | 4.2 | 4.5 | 13 | 53 | 85 | 67 | 14 | 7.5 | 4.2 |
| 29 | 2.4 | 6.7 | 4.2 | 4.2 | --- | 13 | 50 | 86 | 68 | 12 | 7.3 | 4.0 |
| 30 | 2.4 | 7.0 | 4.1 | 4.1 | --- | 14 | 44 | 92 | 62 | 10 | 7.2 | 4.0 |
| 31 | 2.4 | --- | 4.0 | 4.0 | --- | 14 | --- | 83 | --- | 13 | 7.0 | --- |
| TOTAL | 92.06 | 115.3 | 164.4 | 127.9 | 115.7 | 265.3 | 1358 | 2300 | 2693 | 885 | 307.1 | 223.3 |
| MEAN | 2.97 | 3.84 | 5.30 | 4.13 | 4.13 | 8.56 | 45.3 | 74.2 | 89.8 | 28.5 | 9.91 | 7.44 |
| AC-FT | 183 | 229 | 326 | 254 | 229 | 526 | 2690 | 4560 | 5340 | 1760 | 609 | 443 |
| MAX | 5.4 | 7.0 | 7.2 | 4.3 | 4.5 | 14 | 98 | 105 | 119 | 70 | 13 | 12 |
| MIN | 0.86 | 2.1 | 4.0 | 4.0 | 3.9 | 4.6 | 15 | 32 | 60 | 10 | 7.0 | 4.0 |

CAL YR 1988 TOTAL 13187.24 MEAN 36.0 MAX 371 MIN 0.80 AC-FT 26160
WTR YR 1989 TOTAL 8647.06 MEAN 23.7 MAX 119 MIN 0.86 AC-FT 17150

MAX DISCH 131 CFS AT 2330 27-MAY-1989 GH 3.84 FT. SHIFT +0.05 FT. MAX GH 3.84 FT. AT 2330 27-MAY-1989



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO (1990)

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, Co.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in 42-inch metal pipe and well. Control is natural channel. Datum of gage is 8,330 ft.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected or frozen from Oct. 31, 1989-Apr. 11, 1990. Transmountain diversions above station diverted May 22-July 11, 1990 through Charles H. Boustead Tunnel. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Wayne I. Schieldt.

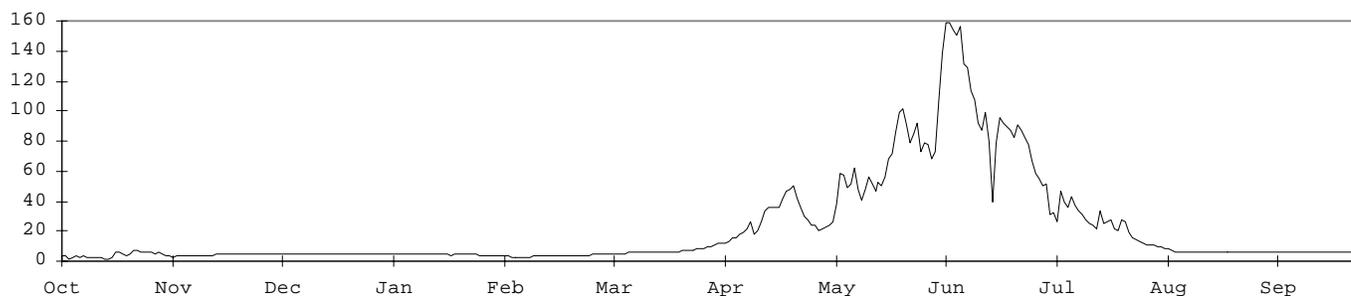
RATING TABLE.--FRYNFNCO09 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|------|-------|------|------|------|------|-------|-------|
| 1 | 3.8 | 2.9 | 5.0 | 4.9 | 3.4 | 4.5 | 10 | 20 | 78 | 58 | 11 | 6.0 |
| 2 | 3.1 | 3.0 | 5.1 | 4.8 | 3.1 | 4.4 | 11 | 21 | 68 | 55 | 11 | 6.1 |
| 3 | 1.7 | 3.1 | 5.2 | 4.9 | 3.0 | 4.6 | 12 | 23 | 73 | 50 | 11 | 6.0 |
| 4 | 2.3 | 3.5 | 5.1 | 4.8 | 2.8 | 4.7 | 12 | 24 | 107 | 51 | 9.3 | 5.9 |
| 5 | 3.1 | 3.4 | 5.1 | 4.7 | 2.6 | 4.9 | 12 | 26 | 138 | 31 | 10 | 6.0 |
| 6 | 2.6 | 3.6 | 5.2 | 4.9 | 2.7 | 5.1 | 13 | 38 | 159 | 32 | 8.9 | 5.9 |
| 7 | 3.1 | 3.7 | 5.2 | 4.7 | 2.8 | 5.0 | 15 | 59 | 159 | 26 | 7.9 | 5.8 |
| 8 | 2.4 | 3.9 | 5.1 | 4.6 | 2.8 | 5.2 | 16 | 57 | 154 | 46 | 7.1 | 5.7 |
| 9 | 2.4 | 3.8 | 5.1 | 4.5 | 2.9 | 5.6 | 18 | 49 | 151 | 39 | 5.5 | 5.8 |
| 10 | 2.3 | 3.9 | 5.2 | 4.5 | 3.1 | 5.5 | 19 | 51 | 156 | 36 | 5.7 | 5.9 |
| 11 | 2.0 | 4.0 | 5.1 | 4.4 | 3.0 | 5.7 | 22 | 62 | 131 | 43 | 5.6 | 6.0 |
| 12 | 1.8 | 4.1 | 5.0 | 4.5 | 3.2 | 5.8 | 26 | 48 | 129 | 37 | 5.7 | 5.8 |
| 13 | 1.7 | 4.3 | 5.0 | 4.4 | 3.3 | 5.9 | 18 | 41 | 113 | 34 | 5.5 | 5.9 |
| 14 | 1.7 | 4.2 | 5.1 | 4.4 | 3.4 | 5.8 | 20 | 48 | 107 | 31 | 5.4 | 5.8 |
| 15 | 2.1 | 4.5 | 5.2 | 4.3 | 3.6 | 6.0 | 26 | 56 | 92 | 27 | 5.6 | 5.7 |
| 16 | 5.7 | 4.4 | 5.2 | 4.2 | 3.5 | 6.1 | 34 | 51 | 87 | 25 | 5.5 | 5.5 |
| 17 | 6.1 | 4.5 | 5.1 | 4.2 | 3.6 | 6.2 | 36 | 46 | 99 | 24 | 5.6 | 5.4 |
| 18 | 4.8 | 4.6 | 5.2 | 4.1 | 3.7 | 6.1 | 36 | 52 | 80 | 22 | 5.7 | 5.5 |
| 19 | 3.4 | 4.4 | 5.2 | 4.2 | 3.8 | 6.0 | 36 | 50 | 40 | 34 | 5.8 | 5.6 |
| 20 | 4.8 | 4.5 | 5.1 | 4.3 | 3.8 | 6.1 | 36 | 56 | 79 | 25 | 5.7 | 5.8 |
| 21 | 6.7 | 4.6 | 5.2 | 4.2 | 3.9 | 6.3 | 42 | 68 | 96 | 26 | 5.6 | 5.7 |
| 22 | 6.7 | 4.7 | 5.3 | 4.2 | 4.1 | 6.5 | 46 | 72 | 92 | 28 | 5.7 | 5.8 |
| 23 | 6.1 | 4.8 | 5.2 | 4.3 | 4.0 | 6.4 | 48 | 86 | 90 | 22 | 5.8 | 5.9 |
| 24 | 5.7 | 4.7 | 5.3 | 4.3 | 4.1 | 6.9 | 50 | 99 | 87 | 20 | 5.9 | 6.0 |
| 25 | 5.7 | 4.9 | 5.3 | 4.2 | 4.0 | 7.1 | 42 | 102 | 82 | 28 | 6.1 | 5.8 |
| 26 | 6.3 | 4.8 | 5.2 | 4.1 | 4.1 | 7.0 | 36 | 91 | 91 | 26 | 6.0 | 5.9 |
| 27 | 5.0 | 4.9 | 5.3 | 4.1 | 4.2 | 7.6 | 30 | 79 | 87 | 19 | 6.1 | 6.0 |
| 28 | 5.7 | 5.0 | 5.2 | 4.0 | 4.2 | 7.9 | 27 | 85 | 82 | 16 | 6.0 | 6.1 |
| 29 | 4.8 | 5.1 | 5.1 | 3.9 | --- | 8.1 | 24 | 92 | 78 | 14 | 5.9 | 6.0 |
| 30 | 3.2 | 5.0 | 5.0 | 3.7 | --- | 8.5 | 24 | 73 | 67 | 13 | 6.0 | 6.0 |
| 31 | 3.0 | --- | 5.0 | 3.6 | --- | 9.4 | --- | 79 | --- | 12 | 6.1 | --- |
| TOTAL | 119.8 | 126.8 | 159.6 | 134.9 | 96.7 | 190.9 | 797 | 1804 | 3052 | 950 | 208.7 | 175.3 |
| MEAN | 3.86 | 4.23 | 5.15 | 4.35 | 3.45 | 6.16 | 26.6 | 58.2 | 102 | 30.6 | 6.73 | 5.84 |
| AC-FT | 238 | 252 | 317 | 268 | 192 | 379 | 1580 | 3580 | 6050 | 1880 | 414 | 348 |
| MAX | 6.7 | 5.1 | 5.3 | 4.9 | 4.2 | 9.4 | 50 | 102 | 159 | 58 | 11 | 6.1 |
| MIN | 1.7 | 2.9 | 5.0 | 3.6 | 2.6 | 4.4 | 10 | 20 | 40 | 12 | 5.4 | 5.4 |

CAL YR 1989 TOTAL 8681.5 MEAN 23.8 MAX 119 MIN 1.7 AC-FT 17220
WTR YR 1990 TOTAL 7815.7 MEAN 21.4 MAX 159 MIN 1.7 AC-FT 15500

MAX DISCH 231 CFS AT 2230 06-JUN-1990 GH 4.21 FT. SHIFT +0.02 FT. MAX GH 4.21 FT. AT 2230 06-JUN-1990



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO (1983)

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch metal pipe shelter and well. Control is natural channel. Datum of gage is 7780 ft. from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 15-18, Nov. 22, 1982-Feb. 26, 1983; Mar. 3, 7, 8, 21-24, 27-29 and Apr. 4-7, 1983. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Alan C. Martellaro.

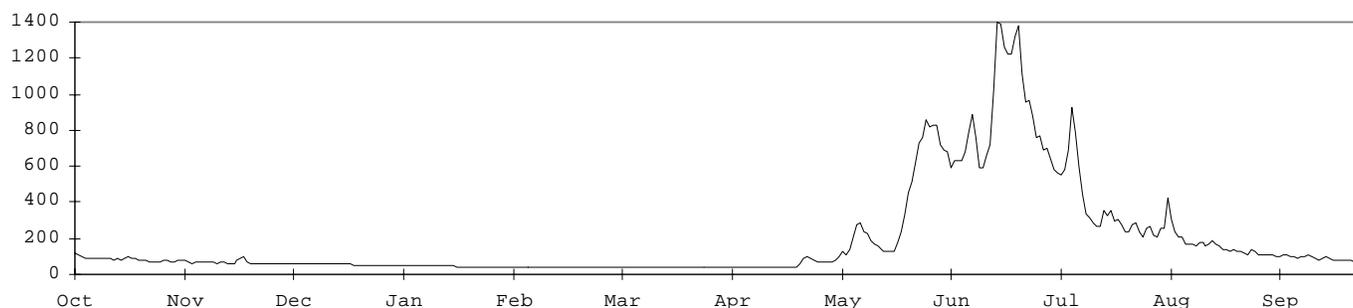
RATING TABLE.--FRYMERCO03 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|
| 1 | 118 | 76 | 57 | 51 | 39 | 35 | 39 | 68 | 824 | 772 | 265 | 113 |
| 2 | 105 | 71 | 57 | 51 | 38 | 36 | 39 | 66 | 828 | 688 | 219 | 109 |
| 3 | 94 | 55 | 57 | 49 | 38 | 36 | 39 | 70 | 723 | 702 | 203 | 107 |
| 4 | 90 | 71 | 57 | 49 | 38 | 37 | 39 | 83 | 690 | 639 | 258 | 111 |
| 5 | 87 | 66 | 57 | 49 | 38 | 38 | 42 | 96 | 681 | 578 | 255 | 105 |
| 6 | 88 | 66 | 57 | 49 | 38 | 37 | 43 | 125 | 590 | 566 | 421 | 96 |
| 7 | 90 | 65 | 56 | 49 | 38 | 38 | 42 | 105 | 633 | 554 | 304 | 96 |
| 8 | 87 | 66 | 56 | 47 | 38 | 39 | 41 | 142 | 632 | 584 | 240 | 105 |
| 9 | 85 | 68 | 56 | 47 | 38 | 38 | 39 | 206 | 632 | 689 | 203 | 105 |
| 10 | 85 | 64 | 56 | 47 | 37 | 41 | 38 | 273 | 681 | 926 | 203 | 100 |
| 11 | 87 | 68 | 56 | 47 | 37 | 42 | 39 | 285 | 793 | 793 | 166 | 96 |
| 12 | 79 | 65 | 56 | 45 | 37 | 44 | 37 | 240 | 884 | 597 | 169 | 92 |
| 13 | 87 | 64 | 55 | 45 | 37 | 42 | 36 | 226 | 758 | 440 | 169 | 94 |
| 14 | 80 | 59 | 55 | 45 | 37 | 44 | 38 | 187 | 590 | 336 | 160 | 96 |
| 15 | 87 | 64 | 55 | 45 | 36 | 43 | 37 | 166 | 590 | 312 | 181 | 109 |
| 16 | 94 | 78 | 55 | 45 | 36 | 41 | 38 | 153 | 660 | 288 | 175 | 96 |
| 17 | 88 | 88 | 55 | 43 | 36 | 42 | 39 | 142 | 716 | 270 | 158 | 87 |
| 18 | 87 | 98 | 55 | 43 | 36 | 42 | 41 | 130 | 1030 | 267 | 172 | 83 |
| 19 | 81 | 65 | 54 | 43 | 36 | 42 | 42 | 130 | 1400 | 358 | 187 | 85 |
| 20 | 74 | 64 | 54 | 43 | 36 | 40 | 42 | 127 | 1390 | 324 | 169 | 94 |
| 21 | 74 | 59 | 54 | 43 | 37 | 43 | 44 | 128 | 1260 | 351 | 153 | 88 |
| 22 | 72 | 60 | 54 | 43 | 37 | 43 | 42 | 175 | 1220 | 300 | 137 | 83 |
| 23 | 72 | 62 | 54 | 41 | 37 | 42 | 44 | 240 | 1220 | 308 | 135 | 81 |
| 24 | 72 | 60 | 54 | 41 | 36 | 39 | 58 | 336 | 1320 | 277 | 130 | 79 |
| 25 | 72 | 59 | 54 | 41 | 35 | 39 | 88 | 455 | 1380 | 237 | 137 | 79 |
| 26 | 74 | 60 | 54 | 41 | 37 | 39 | 100 | 513 | 1110 | 238 | 130 | 76 |
| 27 | 83 | 61 | 53 | 41 | 36 | 40 | 88 | 625 | 961 | 273 | 125 | 74 |
| 28 | 72 | 58 | 53 | 39 | 35 | 39 | 76 | 730 | 968 | 285 | 123 | 72 |
| 29 | 66 | 57 | 53 | 39 | --- | 39 | 72 | 762 | 882 | 235 | 113 | 71 |
| 30 | 81 | 57 | 53 | 39 | --- | 38 | 71 | 856 | 758 | 210 | 140 | 74 |
| 31 | 79 | --- | 51 | 39 | --- | 39 | --- | 814 | --- | 255 | 125 | --- |
| TOTAL | 2590 | 1974 | 1703 | 1379 | 1034 | 1237 | 1473 | 8654 | 26804 | 13652 | 5725 | 2756 |
| MEAN | 83.5 | 65.8 | 54.9 | 44.5 | 36.9 | 39.9 | 49.1 | 279 | 893 | 440 | 185 | 91.9 |
| AC-FT | 5140 | 3920 | 3380 | 2740 | 2050 | 2450 | 2920 | 17170 | 53170 | 27080 | 11360 | 5470 |
| MAX | 118 | 98 | 57 | 51 | 39 | 44 | 100 | 856 | 1400 | 926 | 421 | 113 |
| MIN | 66 | 55 | 51 | 39 | 35 | 35 | 36 | 66 | 590 | 210 | 113 | 71 |

CAL YR 1982 TOTAL 6267 MEAN 17.2 MAX 118 MIN 51 AC-FT 12430
WTR YR 1983 TOTAL 68981 MEAN 189 MAX 1400 MIN 35 AC-FT 136800

MAX DISCH 1900 CFS AT 0100 25-JUN-1983 GH 5.17 FT. SHIFT 0.00 FT. MAX GH 5.17 FT. AT 0100 25-JUN-1983



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO (1984)

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch metal pipe shelter and well. Control is natural channel. Datum of gage is 7780 ft. from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 23-25, 28-30, Dec. 5, 1983-Apr. 22, 1984. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Alan C. Martellaro.

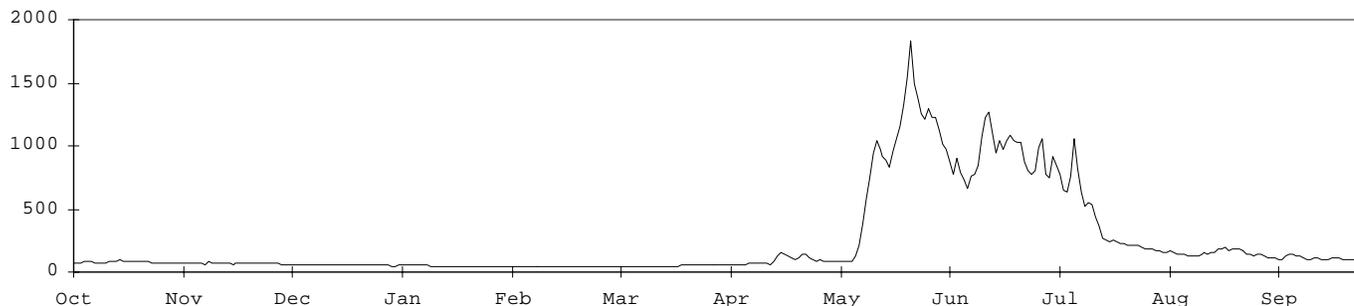
RATING TABLE.--FRYMERCO03 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|------|------|
| 1 | 72 | 70 | 59 | 50 | 49 | 40 | 52 | 85 | 1220 | 1060 | 187 | 142 |
| 2 | 71 | 70 | 59 | 50 | 49 | 40 | 51 | 90 | 1130 | 772 | 163 | 127 |
| 3 | 76 | 68 | 58 | 50 | 47 | 40 | 51 | 87 | 1020 | 751 | 166 | 113 |
| 4 | 85 | 66 | 58 | 50 | 48 | 40 | 50 | 87 | 969 | 919 | 158 | 111 |
| 5 | 85 | 66 | 56 | 51 | 47 | 40 | 54 | 88 | 870 | 849 | 158 | 107 |
| 6 | 79 | 66 | 55 | 51 | 46 | 40 | 56 | 91 | 779 | 779 | 172 | 102 |
| 7 | 76 | 63 | 54 | 51 | 46 | 40 | 56 | 87 | 898 | 653 | 160 | 102 |
| 8 | 72 | 78 | 54 | 51 | 45 | 40 | 60 | 90 | 793 | 632 | 147 | 123 |
| 9 | 71 | 65 | 54 | 51 | 41 | 40 | 69 | 125 | 730 | 765 | 142 | 137 |
| 10 | 71 | 70 | 54 | 49 | 45 | 40 | 68 | 216 | 667 | 1060 | 147 | 137 |
| 11 | 85 | 72 | 55 | 49 | 47 | 40 | 74 | 380 | 758 | 820 | 130 | 123 |
| 12 | 79 | 71 | 56 | 49 | 46 | 42 | 69 | 572 | 779 | 632 | 120 | 125 |
| 13 | 78 | 71 | 53 | 48 | 43 | 42 | 68 | 741 | 842 | 525 | 130 | 113 |
| 14 | 92 | 70 | 53 | 47 | 45 | 43 | 66 | 940 | 1070 | 552 | 127 | 94 |
| 15 | 90 | 60 | 53 | 46 | 44 | 45 | 63 | 1040 | 1220 | 536 | 147 | 96 |
| 16 | 83 | 70 | 52 | 45 | 43 | 46 | 86 | 968 | 1270 | 435 | 158 | 113 |
| 17 | 83 | 66 | 52 | 44 | 43 | 45 | 122 | 912 | 1100 | 368 | 147 | 113 |
| 18 | 88 | 71 | 52 | 44 | 40 | 49 | 150 | 884 | 940 | 266 | 153 | 98 |
| 19 | 87 | 66 | 52 | 42 | 39 | 47 | 147 | 827 | 1040 | 248 | 158 | 102 |
| 20 | 81 | 68 | 52 | 42 | 38 | 47 | 133 | 954 | 975 | 244 | 181 | 98 |
| 21 | 79 | 70 | 52 | 43 | 38 | 52 | 111 | 1060 | 1040 | 248 | 187 | 107 |
| 22 | 78 | 64 | 52 | 43 | 39 | 56 | 100 | 1150 | 1080 | 237 | 203 | 115 |
| 23 | 76 | 64 | 52 | 44 | 39 | 53 | 107 | 1320 | 1040 | 219 | 166 | 107 |
| 24 | 76 | 64 | 51 | 45 | 38 | 53 | 135 | 1540 | 1030 | 226 | 178 | 102 |
| 25 | 72 | 70 | 51 | 45 | 38 | 56 | 140 | 1830 | 1030 | 210 | 190 | 102 |
| 26 | 72 | 71 | 52 | 46 | 37 | 55 | 118 | 1490 | 870 | 213 | 184 | 105 |
| 27 | 71 | 65 | 52 | 46 | 37 | 56 | 105 | 1380 | 800 | 213 | 163 | 105 |
| 28 | 71 | 65 | 52 | 46 | 38 | 53 | 90 | 1260 | 779 | 206 | 147 | 100 |
| 29 | 71 | 63 | 50 | 46 | 40 | 54 | 93 | 1210 | 807 | 203 | 137 | 96 |
| 30 | 71 | 60 | 49 | 47 | --- | 53 | 87 | 1300 | 982 | 190 | 126 | 92 |
| 31 | 71 | --- | 49 | 48 | --- | 54 | --- | 1230 | --- | 187 | 142 | --- |
| TOTAL | 2412 | 2023 | 1653 | 1459 | 1235 | 1441 | 2631 | 24034 | 28528 | 15218 | 4874 | 3307 |
| MEAN | 77.8 | 67.4 | 53.3 | 47.1 | 42.6 | 46.5 | 87.7 | 775 | 951 | 491 | 157 | 110 |
| AC-FT | 4780 | 4010 | 3280 | 2890 | 2450 | 2860 | 5220 | 47670 | 56590 | 30180 | 9670 | 6560 |
| MAX | 92 | 78 | 59 | 51 | 49 | 56 | 150 | 1830 | 1270 | 1060 | 203 | 142 |
| MIN | 71 | 60 | 49 | 42 | 37 | 40 | 50 | 85 | 667 | 187 | 120 | 92 |

CAL YR 1983 TOTAL 68802 MEAN 188 MAX 1400 MIN 35 AC-FT 136500
WTR YR 1984 TOTAL 88815 MEAN 243 MAX 1830 MIN 37 AC-FT 176200

MAX DISCH 2060 CFS AT 1230 24-MAY-1984 GH 5.34 FT. SHIFT -0.01 FT. MAX GH 5.34 FT. AT 1230 24-MAY-1984



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO (1985)

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch metal pipe shelter and well. Control is natural channel. Datum of gage is 7780 ft. from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected Nov. 27, 1984-Mar. 7, 1985. Clock stopped from May 26-June 13, 1985. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Alan C. Martellaro.

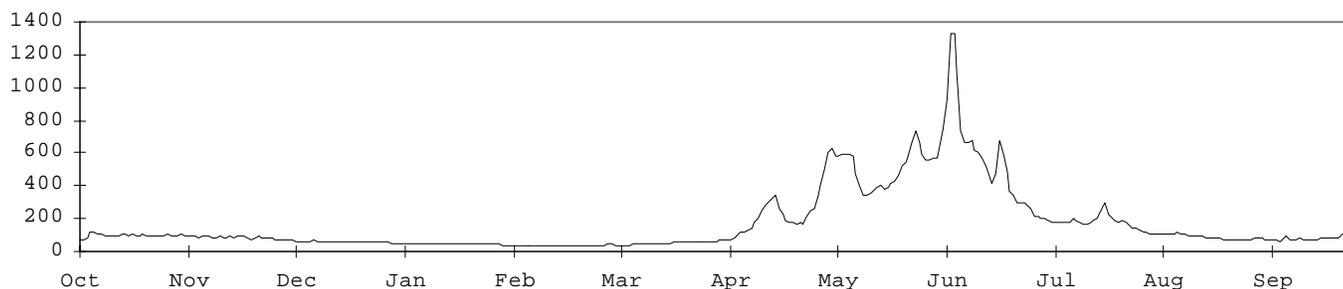
RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|
| 1 | 90 | 97 | 71 | 51 | 38 | 41 | 54 | 348 | 560 | 258 | 130 | 69 |
| 2 | 77 | 92 | 67 | 47 | 37 | 42 | 58 | 398 | 560 | 213 | 118 | 77 |
| 3 | 74 | 97 | 63 | 47 | 37 | 43 | 69 | 497 | 570 | 213 | 114 | 83 |
| 4 | 80 | 90 | 63 | 50 | 37 | 41 | 74 | 610 | 570 | 203 | 108 | 87 |
| 5 | 123 | 82 | 65 | 53 | 37 | 39 | 67 | 627 | 630 | 197 | 105 | 80 |
| 6 | 114 | 94 | 63 | 50 | 37 | 41 | 67 | 577 | 750 | 191 | 109 | 74 |
| 7 | 110 | 89 | 65 | 50 | 37 | 41 | 78 | 577 | 930 | 182 | 112 | 72 |
| 8 | 101 | 89 | 66 | 50 | 38 | 41 | 95 | 599 | 1330 | 176 | 110 | 74 |
| 9 | 95 | 87 | 65 | 50 | 38 | 42 | 114 | 588 | 1330 | 179 | 112 | 67 |
| 10 | 92 | 85 | 63 | 47 | 37 | 42 | 114 | 593 | 1090 | 182 | 110 | 64 |
| 11 | 90 | 92 | 63 | 46 | 37 | 45 | 128 | 582 | 740 | 176 | 108 | 66 |
| 12 | 92 | 87 | 63 | 45 | 37 | 44 | 144 | 477 | 670 | 176 | 114 | 89 |
| 13 | 95 | 87 | 62 | 45 | 37 | 44 | 176 | 408 | 660 | 206 | 108 | 75 |
| 14 | 108 | 97 | 61 | 45 | 38 | 42 | 203 | 344 | 680 | 188 | 101 | 67 |
| 15 | 102 | 87 | 61 | 46 | 39 | 48 | 248 | 340 | 616 | 173 | 99 | 75 |
| 16 | 95 | 95 | 58 | 44 | 39 | 46 | 281 | 353 | 604 | 164 | 95 | 87 |
| 17 | 101 | 99 | 58 | 44 | 39 | 46 | 306 | 362 | 566 | 164 | 89 | 72 |
| 18 | 97 | 89 | 58 | 44 | 39 | 49 | 323 | 394 | 523 | 173 | 89 | 69 |
| 19 | 97 | 82 | 56 | 44 | 41 | 49 | 340 | 403 | 451 | 188 | 92 | 72 |
| 20 | 101 | 77 | 56 | 45 | 41 | 51 | 262 | 385 | 417 | 203 | 85 | 69 |
| 21 | 99 | 83 | 56 | 45 | 41 | 54 | 226 | 389 | 472 | 252 | 82 | 69 |
| 22 | 98 | 95 | 54 | 45 | 41 | 54 | 194 | 417 | 674 | 302 | 82 | 80 |
| 23 | 97 | 87 | 55 | 45 | 40 | 55 | 176 | 422 | 599 | 229 | 80 | 82 |
| 24 | 90 | 83 | 55 | 44 | 40 | 58 | 176 | 462 | 490 | 210 | 78 | 83 |
| 25 | 92 | 82 | 55 | 43 | 40 | 60 | 170 | 523 | 362 | 185 | 75 | 78 |
| 26 | 90 | 80 | 55 | 43 | 40 | 61 | 173 | 540 | 348 | 173 | 72 | 82 |
| 27 | 101 | 73 | 54 | 43 | 41 | 58 | 166 | 580 | 302 | 191 | 69 | 87 |
| 28 | 99 | 77 | 54 | 43 | 41 | 60 | 210 | 660 | 291 | 179 | 70 | 110 |
| 29 | 98 | 74 | 54 | 43 | --- | 57 | 245 | 740 | 291 | 167 | 72 | 110 |
| 30 | 99 | 73 | 53 | 42 | --- | 57 | 265 | 660 | 280 | 148 | 69 | 87 |
| 31 | 101 | --- | 51 | 41 | --- | 55 | --- | 590 | --- | 140 | 67 | --- |
| TOTAL | 2998 | 2601 | 1843 | 1420 | 1084 | 1506 | 5202 | 15445 | 18356 | 5981 | 2924 | 2356 |
| MEAN | 96.7 | 86.7 | 59.5 | 45.8 | 38.7 | 48.6 | 173 | 498 | 612 | 193 | 94.3 | 78.5 |
| AC-FT | 5950 | 5160 | 3660 | 2820 | 2150 | 2990 | 10320 | 30640 | 36410 | 11860 | 5800 | 4670 |
| MAX | 123 | 99 | 71 | 53 | 41 | 61 | 340 | 740 | 1330 | 302 | 130 | 110 |
| MIN | 74 | 73 | 51 | 41 | 37 | 39 | 54 | 340 | 280 | 140 | 67 | 64 |

CAL YR 1984 TOTAL 90169 MEAN 246 MAX 1830 MIN 37 AC-FT 178900
WTR YR 1985 TOTAL 61716 MEAN 169 MAX 1330 MIN 37 AC-FT 122400

MAX DISCH 1330 CFS AT 08-JUN-1985



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO (1986)

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch metal pipe shelter and well. Control is natural channel. Datum of gage is 7780 ft. from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Clock stopped from Oct. 26-Nov. 6; Nov. 9-Dec. 4, 1985. Station was ice affected from Dec. 10, 1985-Feb. 20; Mar. 4-Apr. 30, 1986. The paper jammed from May 8-30, 1986. The clock stopped from July 18-Aug. 13, Aug. 18-Sept. 30, 1986. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Alan C. Martellaro.

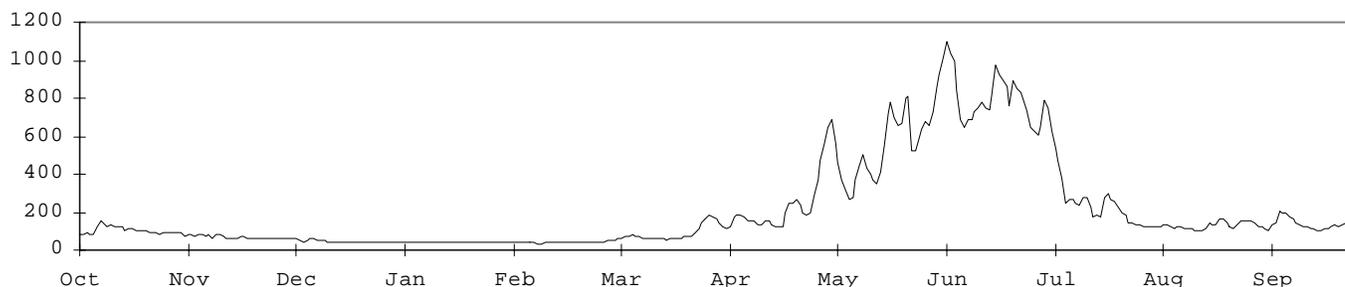
RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|
| 1 | 85 | 74 | 57 | 41 | 41 | 46 | 170 | 371 | 674 | 650 | 130 | 150 |
| 2 | 87 | 78 | 57 | 41 | 40 | 49 | 160 | 472 | 656 | 627 | 120 | 155 |
| 3 | 85 | 81 | 58 | 41 | 39 | 53 | 145 | 555 | 728 | 610 | 120 | 145 |
| 4 | 90 | 74 | 56 | 40 | 39 | 56 | 125 | 650 | 862 | 646 | 125 | 125 |
| 5 | 83 | 80 | 46 | 39 | 39 | 60 | 115 | 686 | 921 | 788 | 120 | 120 |
| 6 | 82 | 77 | 50 | 39 | 38 | 64 | 125 | 566 | 1010 | 752 | 125 | 110 |
| 7 | 123 | 70 | 57 | 39 | 37 | 68 | 170 | 463 | 1100 | 626 | 120 | 105 |
| 8 | 150 | 77 | 57 | 39 | 36 | 72 | 180 | 370 | 1040 | 529 | 135 | 135 |
| 9 | 135 | 65 | 52 | 39 | 36 | 77 | 180 | 315 | 1000 | 472 | 135 | 145 |
| 10 | 128 | 80 | 50 | 40 | 35 | 72 | 170 | 270 | 843 | 375 | 120 | 205 |
| 11 | 137 | 85 | 48 | 40 | 35 | 68 | 150 | 280 | 686 | 250 | 115 | 200 |
| 12 | 125 | 75 | 46 | 41 | 36 | 65 | 150 | 365 | 643 | 270 | 125 | 200 |
| 13 | 125 | 61 | 45 | 41 | 36 | 63 | 150 | 440 | 692 | 265 | 125 | 170 |
| 14 | 118 | 57 | 44 | 41 | 37 | 61 | 130 | 500 | 692 | 250 | 114 | 160 |
| 15 | 103 | 65 | 44 | 41 | 37 | 59 | 130 | 430 | 728 | 235 | 108 | 145 |
| 16 | 110 | 65 | 44 | 41 | 37 | 59 | 150 | 400 | 746 | 275 | 108 | 130 |
| 17 | 108 | 75 | 44 | 41 | 37 | 59 | 150 | 370 | 775 | 275 | 101 | 120 |
| 18 | 105 | 70 | 44 | 41 | 38 | 58 | 130 | 350 | 746 | 230 | 100 | 120 |
| 19 | 101 | 60 | 44 | 41 | 38 | 53 | 125 | 410 | 740 | 170 | 105 | 115 |
| 20 | 99 | 61 | 45 | 43 | 38 | 58 | 120 | 555 | 812 | 185 | 115 | 110 |
| 21 | 99 | 59 | 46 | 42 | 38 | 57 | 125 | 720 | 974 | 170 | 140 | 100 |
| 22 | 97 | 58 | 45 | 40 | 38 | 59 | 190 | 780 | 921 | 275 | 135 | 105 |
| 23 | 92 | 60 | 46 | 40 | 40 | 63 | 250 | 700 | 888 | 300 | 130 | 115 |
| 24 | 89 | 61 | 45 | 40 | 43 | 71 | 250 | 660 | 864 | 270 | 165 | 115 |
| 25 | 87 | 60 | 45 | 40 | 45 | 71 | 270 | 670 | 764 | 255 | 160 | 120 |
| 26 | 89 | 61 | 43 | 39 | 46 | 71 | 240 | 800 | 895 | 225 | 145 | 130 |
| 27 | 88 | 58 | 42 | 40 | 46 | 90 | 200 | 810 | 847 | 200 | 125 | 120 |
| 28 | 91 | 58 | 41 | 40 | 44 | 110 | 180 | 525 | 830 | 180 | 115 | 135 |
| 29 | 92 | 59 | 40 | 41 | --- | 145 | 200 | 525 | 770 | 145 | 135 | 145 |
| 30 | 91 | 59 | 41 | 41 | --- | 160 | 287 | 600 | 740 | 140 | 155 | 135 |
| 31 | 91 | --- | 41 | 41 | --- | 180 | --- | 633 | --- | 135 | 150 | --- |
| TOTAL | 3185 | 2023 | 1463 | 1253 | 1089 | 2297 | 5117 | 16241 | 24587 | 10775 | 3921 | 4085 |
| MEAN | 103 | 67.4 | 47.2 | 40.4 | 38.9 | 74.1 | 171 | 524 | 820 | 348 | 126 | 136 |
| AC-FT | 6320 | 4010 | 2900 | 2490 | 2160 | 4560 | 10150 | 32210 | 48770 | 21370 | 7780 | 8100 |
| MAX | 150 | 85 | 58 | 43 | 46 | 180 | 287 | 810 | 1100 | 788 | 165 | 205 |
| MIN | 82 | 57 | 40 | 39 | 35 | 46 | 115 | 270 | 643 | 135 | 100 | 100 |

CAL YR 1985 TOTAL 60945 MEAN 167 MAX 1330 MIN 37 AC-FT 120900
WTR YR 1986 TOTAL 76036 MEAN 208 MAX 1100 MIN 35 AC-FT 150800

MAX DISCH 1296 CFS AT 0130 07-JUN-1986 GH 4.60 FT. SHIFT -0.03 FT. MAX GH 4.60 FT. AT 0130 07-JUN-1986



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO (1987)

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch metal pipe shelter and well. Control is natural channel. Datum of gage is 7780 ft. from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Clock stopped Oct. 1-2, 8-31; Nov. 6-29, 1986; May 10-21; June 5-26, 1987. Station was ice affected from Nov. 30, 1986-May 6, 1987. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Alan C. Martellaro.

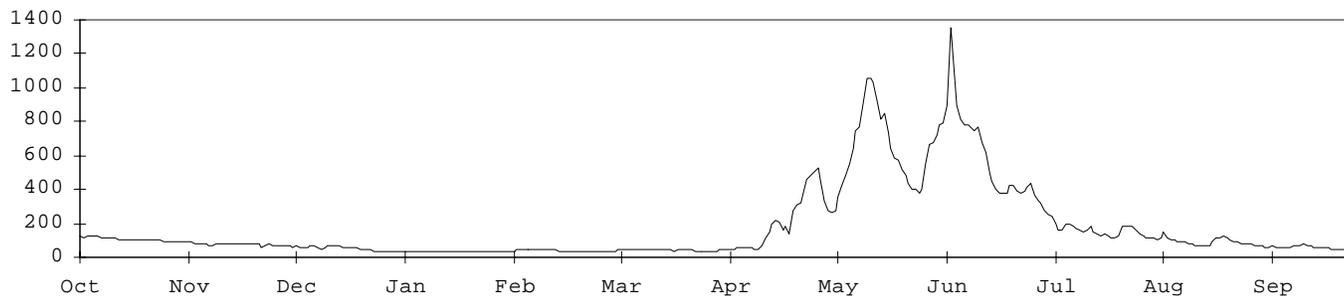
RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|------|------|
| 1 | 130 | 92 | 64 | 31 | 38 | 37 | 40 | 530 | 555 | 431 | 142 | 75 |
| 2 | 125 | 94 | 62 | 30 | 39 | 38 | 40 | 460 | 668 | 366 | 128 | 75 |
| 3 | 120 | 92 | 64 | 30 | 40 | 39 | 41 | 335 | 680 | 331 | 116 | 72 |
| 4 | 128 | 85 | 61 | 31 | 41 | 40 | 44 | 280 | 728 | 323 | 114 | 70 |
| 5 | 128 | 82 | 63 | 33 | 41 | 41 | 44 | 265 | 780 | 280 | 110 | 67 |
| 6 | 125 | 79 | 63 | 35 | 41 | 42 | 44 | 275 | 790 | 258 | 101 | 63 |
| 7 | 123 | 79 | 64 | 36 | 41 | 43 | 50 | 353 | 895 | 239 | 112 | 63 |
| 8 | 118 | 69 | 64 | 35 | 41 | 43 | 52 | 422 | 1350 | 191 | 145 | 64 |
| 9 | 116 | 71 | 60 | 34 | 41 | 42 | 53 | 482 | 1040 | 164 | 112 | 61 |
| 10 | 112 | 80 | 50 | 34 | 41 | 42 | 52 | 555 | 895 | 164 | 105 | 57 |
| 11 | 120 | 80 | 60 | 34 | 41 | 42 | 53 | 645 | 810 | 191 | 99 | 55 |
| 12 | 112 | 85 | 66 | 34 | 41 | 41 | 52 | 750 | 785 | 194 | 97 | 57 |
| 13 | 104 | 76 | 66 | 35 | 41 | 41 | 49 | 765 | 780 | 185 | 92 | 58 |
| 14 | 107 | 76 | 66 | 36 | 41 | 42 | 50 | 910 | 755 | 167 | 87 | 64 |
| 15 | 106 | 75 | 66 | 35 | 41 | 42 | 70 | 1060 | 745 | 156 | 77 | 69 |
| 16 | 106 | 75 | 63 | 34 | 39 | 42 | 110 | 1060 | 770 | 150 | 75 | 74 |
| 17 | 105 | 76 | 58 | 33 | 39 | 42 | 150 | 1030 | 680 | 164 | 72 | 75 |
| 18 | 102 | 76 | 58 | 33 | 39 | 42 | 195 | 935 | 615 | 185 | 67 | 70 |
| 19 | 102 | 80 | 58 | 33 | 38 | 43 | 215 | 820 | 490 | 148 | 66 | 64 |
| 20 | 104 | 77 | 54 | 33 | 38 | 44 | 205 | 850 | 450 | 135 | 67 | 63 |
| 21 | 105 | 75 | 48 | 33 | 38 | 40 | 160 | 740 | 405 | 130 | 69 | 60 |
| 22 | 105 | 76 | 43 | 33 | 37 | 42 | 180 | 639 | 380 | 132 | 89 | 57 |
| 23 | 100 | 63 | 42 | 34 | 37 | 41 | 140 | 588 | 380 | 123 | 110 | 54 |
| 24 | 104 | 74 | 43 | 34 | 38 | 41 | 275 | 577 | 380 | 116 | 120 | 52 |
| 25 | 100 | 76 | 39 | 34 | 39 | 41 | 305 | 513 | 425 | 112 | 128 | 51 |
| 26 | 95 | 74 | 35 | 34 | 39 | 41 | 325 | 482 | 420 | 123 | 118 | 49 |
| 27 | 95 | 64 | 36 | 35 | 39 | 40 | 370 | 436 | 385 | 179 | 101 | 48 |
| 28 | 95 | 65 | 35 | 36 | 38 | 39 | 455 | 398 | 380 | 188 | 94 | 48 |
| 29 | 93 | 66 | 36 | 38 | --- | 39 | 480 | 398 | 394 | 188 | 90 | 46 |
| 30 | 95 | 68 | 37 | 39 | --- | 38 | 500 | 376 | 412 | 185 | 82 | 44 |
| 31 | 96 | --- | 35 | 38 | --- | 39 | --- | 403 | --- | 164 | 77 | --- |
| TOTAL | 3376 | 2300 | 1659 | 1057 | 1107 | 1269 | 4799 | 18332 | 19222 | 6062 | 3062 | 1825 |
| MEAN | 109 | 76.7 | 53.5 | 34.1 | 39.5 | 40.9 | 160 | 591 | 641 | 196 | 98.8 | 60.8 |
| AC-FT | 6700 | 4560 | 3290 | 2100 | 2200 | 2520 | 9520 | 36360 | 38130 | 12020 | 6070 | 3620 |
| MAX | 130 | 94 | 66 | 39 | 41 | 44 | 500 | 1060 | 1350 | 431 | 145 | 75 |
| MIN | 93 | 63 | 35 | 30 | 37 | 37 | 40 | 265 | 380 | 112 | 66 | 44 |

CAL YR 1986 TOTAL 76700 MEAN 210 MAX 1100 MIN 35 AC-FT 152100
WTR YR 1987 TOTAL 64070 MEAN 176 MAX 1350 MIN 30 AC-FT 127100

MAX DISCH 1060 CFS AT 15-MAY-1987



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO (1988)

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch metal pipe shelter and well. Control is natural channel. Datum of gage is 7780 ft. from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Clock stopped from Oct. 1-8, 1987. Station was ice affected from Nov. 18, 1987-Apr. 21, 1988. Vandalism occurred from Sept. 5-13, 1988. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Wayne I. Schieldt.

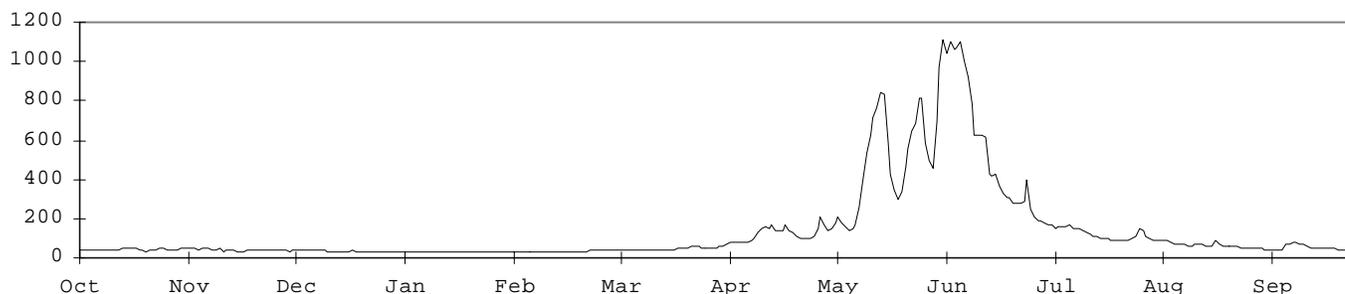
RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|------|------|------|
| 1 | 45 | 48 | 33 | 30 | 33 | 37 | 53 | 206 | 494 | 213 | 137 | 51 |
| 2 | 43 | 52 | 36 | 29 | 32 | 38 | 56 | 167 | 456 | 188 | 114 | 49 |
| 3 | 41 | 49 | 39 | 29 | 31 | 38 | 62 | 142 | 692 | 188 | 101 | 46 |
| 4 | 41 | 45 | 37 | 30 | 31 | 37 | 69 | 148 | 967 | 176 | 94 | 45 |
| 5 | 41 | 41 | 37 | 31 | 31 | 36 | 75 | 179 | 1110 | 168 | 89 | 44 |
| 6 | 41 | 49 | 36 | 33 | 31 | 36 | 75 | 213 | 1040 | 164 | 87 | 42 |
| 7 | 41 | 51 | 35 | 32 | 31 | 36 | 79 | 176 | 1100 | 153 | 87 | 42 |
| 8 | 40 | 49 | 35 | 32 | 32 | 35 | 79 | 156 | 1060 | 162 | 85 | 39 |
| 9 | 40 | 35 | 35 | 32 | 31 | 36 | 77 | 140 | 1070 | 156 | 78 | 39 |
| 10 | 40 | 41 | 35 | 33 | 34 | 38 | 75 | 150 | 1100 | 156 | 74 | 40 |
| 11 | 37 | 46 | 35 | 33 | 34 | 38 | 90 | 164 | 1000 | 170 | 70 | 65 |
| 12 | 37 | 33 | 34 | 32 | 32 | 37 | 100 | 258 | 925 | 153 | 66 | 70 |
| 13 | 40 | 41 | 33 | 30 | 32 | 37 | 130 | 394 | 788 | 148 | 66 | 75 |
| 14 | 48 | 41 | 33 | 30 | 33 | 37 | 150 | 538 | 622 | 150 | 64 | 77 |
| 15 | 52 | 37 | 31 | 31 | 33 | 37 | 155 | 627 | 627 | 139 | 63 | 70 |
| 16 | 49 | 30 | 31 | 33 | 33 | 39 | 150 | 710 | 627 | 130 | 67 | 72 |
| 17 | 48 | 30 | 33 | 31 | 32 | 39 | 165 | 764 | 610 | 120 | 70 | 58 |
| 18 | 48 | 27 | 34 | 31 | 32 | 38 | 135 | 844 | 427 | 112 | 67 | 52 |
| 19 | 44 | 35 | 36 | 30 | 32 | 40 | 140 | 830 | 413 | 105 | 61 | 51 |
| 20 | 37 | 39 | 34 | 27 | 33 | 44 | 143 | 588 | 422 | 103 | 57 | 49 |
| 21 | 34 | 39 | 33 | 27 | 33 | 49 | 170 | 431 | 362 | 97 | 61 | 49 |
| 22 | 40 | 39 | 33 | 27 | 33 | 54 | 142 | 344 | 323 | 95 | 85 | 51 |
| 23 | 41 | 37 | 34 | 30 | 33 | 54 | 125 | 300 | 306 | 90 | 69 | 48 |
| 24 | 42 | 36 | 34 | 30 | 33 | 51 | 112 | 340 | 306 | 87 | 61 | 46 |
| 25 | 46 | 37 | 32 | 28 | 35 | 55 | 103 | 462 | 280 | 87 | 58 | 45 |
| 26 | 45 | 37 | 31 | 28 | 35 | 55 | 97 | 555 | 274 | 85 | 55 | 42 |
| 27 | 42 | 36 | 32 | 30 | 35 | 55 | 99 | 644 | 280 | 92 | 57 | 41 |
| 28 | 40 | 36 | 32 | 31 | 36 | 53 | 103 | 685 | 284 | 85 | 57 | 41 |
| 29 | 44 | 36 | 32 | 32 | 36 | 49 | 114 | 812 | 398 | 95 | 54 | 38 |
| 30 | 44 | 35 | 33 | 33 | --- | 51 | 150 | 818 | 245 | 105 | 51 | 40 |
| 31 | 46 | --- | 32 | 32 | --- | 54 | --- | 588 | --- | 152 | 51 | --- |
| TOTAL | 1317 | 1187 | 1050 | 947 | 952 | 1333 | 3273 | 13373 | 18608 | 4124 | 2256 | 1517 |
| MEAN | 42.5 | 39.6 | 33.9 | 30.5 | 32.8 | 43.0 | 109 | 431 | 620 | 133 | 72.8 | 50.6 |
| AC-FT | 2610 | 2350 | 2080 | 1880 | 1890 | 2640 | 6490 | 26530 | 36910 | 8180 | 4470 | 3010 |
| MAX | 52 | 52 | 39 | 33 | 36 | 55 | 170 | 844 | 1110 | 213 | 137 | 77 |
| MIN | 34 | 27 | 31 | 27 | 31 | 35 | 53 | 140 | 245 | 85 | 51 | 38 |

CAL YR 1987 TOTAL 60289 MEAN 165 MAX 1350 MIN 27 AC-FT 119600
WTR YR 1988 TOTAL 49937 MEAN 136 MAX 1110 MIN 27 AC-FT 99050

MAX DISCH 1312 CFS AT 0200 07-JUN-1988 GH 4.58 FT. SHIFT 0.01 FT. MAX GH 4.58 FT. AT 0200 07-JUN-1988



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO (1989)

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch metal pipe shelter and well. Control is natural channel. Datum of gage is 7780 ft. from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Nov. 17, 1988-Apr. 11, 1989. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Wayne I. Schieldt.

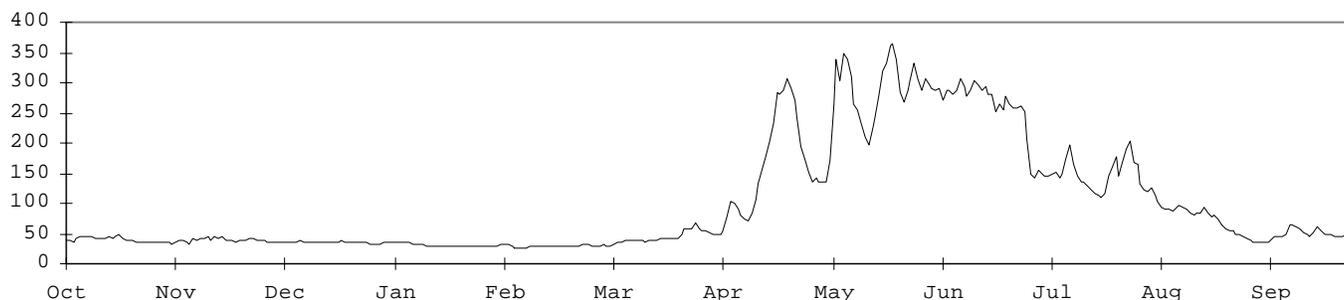
RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|------|------|------|
| 1 | 41 | 33 | 37 | 34 | 30 | 30 | 56 | 137 | 287 | 206 | 164 | 42 |
| 2 | 40 | 37 | 37 | 35 | 31 | 30 | 52 | 142 | 306 | 150 | 132 | 40 |
| 3 | 40 | 40 | 37 | 35 | 31 | 31 | 50 | 137 | 298 | 142 | 123 | 35 |
| 4 | 37 | 38 | 37 | 35 | 31 | 29 | 47 | 137 | 291 | 156 | 120 | 37 |
| 5 | 41 | 34 | 37 | 35 | 29 | 29 | 48 | 135 | 287 | 148 | 125 | 37 |
| 6 | 45 | 33 | 37 | 36 | 25 | 31 | 54 | 170 | 291 | 145 | 114 | 37 |
| 7 | 45 | 41 | 38 | 34 | 25 | 34 | 77 | 265 | 272 | 145 | 103 | 37 |
| 8 | 45 | 40 | 36 | 33 | 25 | 36 | 103 | 340 | 287 | 150 | 95 | 38 |
| 9 | 45 | 41 | 36 | 31 | 25 | 38 | 99 | 302 | 287 | 153 | 90 | 44 |
| 10 | 42 | 41 | 37 | 32 | 29 | 40 | 90 | 348 | 280 | 142 | 90 | 44 |
| 11 | 42 | 45 | 37 | 32 | 29 | 40 | 82 | 340 | 287 | 150 | 87 | 44 |
| 12 | 42 | 38 | 37 | 28 | 29 | 40 | 74 | 310 | 306 | 173 | 95 | 48 |
| 13 | 42 | 44 | 37 | 28 | 28 | 38 | 72 | 265 | 295 | 197 | 97 | 66 |
| 14 | 46 | 42 | 37 | 28 | 28 | 39 | 85 | 255 | 276 | 164 | 94 | 64 |
| 15 | 42 | 44 | 36 | 29 | 28 | 36 | 108 | 232 | 287 | 145 | 89 | 61 |
| 16 | 46 | 38 | 36 | 29 | 28 | 38 | 132 | 210 | 302 | 137 | 85 | 58 |
| 17 | 48 | 40 | 36 | 29 | 28 | 40 | 156 | 197 | 298 | 137 | 80 | 52 |
| 18 | 42 | 40 | 37 | 29 | 28 | 39 | 179 | 226 | 287 | 128 | 85 | 49 |
| 19 | 40 | 37 | 38 | 29 | 29 | 41 | 203 | 242 | 295 | 123 | 83 | 46 |
| 20 | 40 | 38 | 37 | 29 | 30 | 42 | 232 | 276 | 280 | 116 | 92 | 53 |
| 21 | 38 | 38 | 36 | 29 | 30 | 43 | 284 | 319 | 282 | 114 | 83 | 60 |
| 22 | 37 | 40 | 36 | 29 | 30 | 43 | 280 | 331 | 252 | 110 | 77 | 54 |
| 23 | 37 | 43 | 37 | 30 | 30 | 41 | 287 | 362 | 265 | 116 | 80 | 49 |
| 24 | 37 | 41 | 36 | 30 | 30 | 43 | 306 | 366 | 255 | 145 | 75 | 48 |
| 25 | 37 | 40 | 37 | 30 | 31 | 50 | 291 | 340 | 276 | 162 | 63 | 48 |
| 26 | 37 | 39 | 37 | 29 | 31 | 59 | 272 | 284 | 265 | 176 | 58 | 46 |
| 27 | 37 | 39 | 33 | 29 | 31 | 58 | 242 | 269 | 258 | 145 | 55 | 46 |
| 28 | 37 | 37 | 33 | 30 | 30 | 59 | 194 | 287 | 258 | 167 | 54 | 46 |
| 29 | 37 | 36 | 33 | 30 | --- | 67 | 173 | 302 | 262 | 191 | 49 | 47 |
| 30 | 37 | 37 | 33 | 30 | --- | 57 | 153 | 331 | 252 | 203 | 48 | 44 |
| 31 | 35 | --- | 34 | 30 | --- | 55 | --- | 306 | --- | 167 | 45 | --- |
| TOTAL | 1257 | 1174 | 1122 | 956 | 809 | 1296 | 4481 | 8163 | 8424 | 4703 | 2730 | 1420 |
| MEAN | 40.5 | 39.1 | 36.2 | 30.8 | 28.9 | 41.8 | 149 | 263 | 281 | 152 | 88.1 | 47.3 |
| AC-FT | 2490 | 2330 | 2230 | 1900 | 1600 | 2570 | 8890 | 16190 | 16710 | 9330 | 5410 | 2820 |
| MAX | 48 | 45 | 38 | 36 | 31 | 67 | 306 | 366 | 306 | 206 | 164 | 66 |
| MIN | 35 | 33 | 33 | 28 | 25 | 29 | 47 | 135 | 252 | 110 | 45 | 35 |

CAL YR 1988 TOTAL 49936 MEAN 136 MAX 1110 MIN 27 AC-FT 99050
WTR YR 1989 TOTAL 36535 MEAN 100 MAX 366 MIN 25 AC-FT 72470

MAX DISCH 403 CFS AT 0130 24-MAY-1989 GH 3.16 FT. SHIFT -0.03 FT. MAX GH 3.16 FT. AT 0130 24-MAY-1989



ROARING FORK RIVER BASIN

09080100 FRYING PAN RIVER AT MEREDITH, CO (1990)

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, 0.1 mi downstream from Waterbury Creek, and 0.7 mi downstream from Jakeman Creek.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in a 42-inch metal pipe shelter and well. Control is natural channel. Datum of gage is 7780 ft. from topographic map.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Station was ice affected from Oct. 19-21, Nov. 27, 1989-Apr. 11, 1990. Winter record was estimated from monthly measurements and comparison to nearby gage, Fryingpan River at Thomasville. Station maintained and records developed by Wayne I. Schieldt.

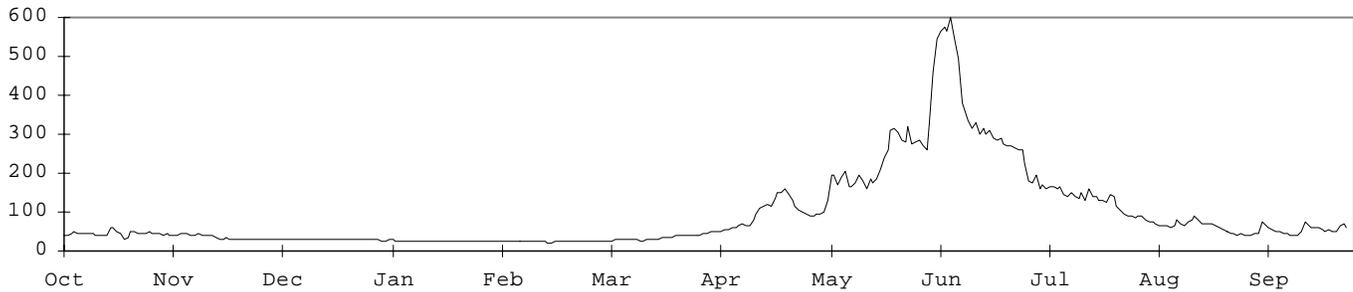
RATING TABLE.--FRYMERCO04 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|------|------|------|
| 1 | 44 | 40 | 29 | 27 | 24 | 25 | 44 | 89 | 284 | 226 | 85 | 42 |
| 2 | 42 | 38 | 29 | 28 | 24 | 25 | 46 | 90 | 272 | 182 | 92 | 42 |
| 3 | 38 | 40 | 29 | 28 | 24 | 26 | 48 | 95 | 262 | 176 | 90 | 41 |
| 4 | 45 | 44 | 29 | 26 | 23 | 26 | 51 | 97 | 327 | 194 | 78 | 44 |
| 5 | 49 | 44 | 30 | 25 | 23 | 26 | 51 | 101 | 462 | 162 | 77 | 46 |
| 6 | 45 | 44 | 31 | 25 | 23 | 27 | 50 | 132 | 544 | 170 | 75 | 77 |
| 7 | 45 | 40 | 32 | 25 | 23 | 28 | 53 | 194 | 566 | 162 | 69 | 64 |
| 8 | 45 | 38 | 30 | 25 | 24 | 28 | 56 | 194 | 577 | 164 | 66 | 58 |
| 9 | 45 | 43 | 31 | 27 | 23 | 30 | 58 | 170 | 566 | 164 | 64 | 55 |
| 10 | 44 | 40 | 31 | 26 | 23 | 31 | 60 | 191 | 599 | 162 | 63 | 52 |
| 11 | 42 | 40 | 29 | 26 | 23 | 31 | 64 | 206 | 544 | 167 | 61 | 49 |
| 12 | 41 | 38 | 29 | 26 | 24 | 30 | 69 | 167 | 497 | 145 | 67 | 45 |
| 13 | 41 | 38 | 29 | 26 | 24 | 29 | 66 | 164 | 380 | 142 | 80 | 44 |
| 14 | 42 | 33 | 30 | 26 | 24 | 27 | 64 | 176 | 366 | 148 | 69 | 41 |
| 15 | 61 | 30 | 30 | 26 | 23 | 27 | 82 | 194 | 336 | 140 | 67 | 40 |
| 16 | 58 | 30 | 30 | 25 | 22 | 28 | 97 | 182 | 315 | 135 | 77 | 38 |
| 17 | 52 | 37 | 30 | 25 | 22 | 28 | 110 | 159 | 331 | 148 | 80 | 52 |
| 18 | 46 | 30 | 30 | 25 | 23 | 31 | 114 | 185 | 298 | 132 | 89 | 75 |
| 19 | 32 | 31 | 30 | 25 | 23 | 31 | 120 | 173 | 315 | 162 | 80 | 72 |
| 20 | 36 | 32 | 30 | 25 | 23 | 34 | 116 | 185 | 298 | 142 | 70 | 60 |
| 21 | 50 | 32 | 30 | 25 | 24 | 36 | 137 | 210 | 310 | 140 | 72 | 60 |
| 22 | 48 | 30 | 30 | 25 | 24 | 37 | 148 | 239 | 291 | 132 | 70 | 60 |
| 23 | 46 | 30 | 31 | 25 | 25 | 37 | 150 | 262 | 284 | 128 | 69 | 55 |
| 24 | 46 | 32 | 31 | 25 | 25 | 38 | 162 | 310 | 291 | 125 | 63 | 52 |
| 25 | 46 | 32 | 29 | 25 | 24 | 38 | 145 | 315 | 276 | 145 | 58 | 54 |
| 26 | 48 | 30 | 29 | 25 | 24 | 38 | 132 | 306 | 272 | 140 | 54 | 52 |
| 27 | 43 | 32 | 29 | 24 | 24 | 39 | 114 | 284 | 272 | 116 | 48 | 52 |
| 28 | 45 | 30 | 29 | 23 | 25 | 40 | 103 | 280 | 265 | 105 | 45 | 63 |
| 29 | 43 | 29 | 29 | 23 | --- | 40 | 101 | 319 | 262 | 95 | 44 | 72 |
| 30 | 40 | 29 | 29 | 24 | --- | 40 | 95 | 276 | 258 | 92 | 42 | 61 |
| 31 | 44 | --- | 27 | 24 | --- | 40 | --- | 280 | --- | 92 | 44 | --- |
| TOTAL | 1392 | 1056 | 921 | 785 | 660 | 991 | 2706 | 6225 | 10920 | 4533 | 2108 | 1618 |
| MEAN | 44.9 | 35.2 | 29.7 | 25.3 | 23.6 | 32.0 | 90.2 | 201 | 364 | 146 | 68.0 | 53.9 |
| AC-FT | 2760 | 2090 | 1830 | 1560 | 1310 | 1970 | 5370 | 12350 | 21660 | 8990 | 4180 | 3210 |
| MAX | 61 | 44 | 32 | 28 | 25 | 40 | 162 | 319 | 599 | 226 | 92 | 77 |
| MIN | 32 | 29 | 27 | 23 | 22 | 25 | 44 | 89 | 258 | 92 | 42 | 38 |

CAL YR 1989 TOTAL 36351 MEAN 99.6 MAX 366 MIN 25 AC-FT 72100
WTR YR 1990 TOTAL 33915 MEAN 92.9 MAX 599 MIN 22 AC-FT 67270

MAX DISCH 782 CFS AT 0130 09-JUN-1990 GH 3.82 FT. SHIFT 0.00 FT. MAX GH 3.82 FT. AT 0130 09-JUN-1990



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO (1983)

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith, Co.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

REMARKS.-- Records good except those for period of inaccurate or no gage-height record, which are poor. Beavers continue to plug inlet. Clock stopped from Oct. 1-14, 16-20, 24-Nov. 1, Nov. 3-Dec. 21, 1982; station malfunctioning from June 28-July 7, 1983; no paper from Aug. 4-15, 1983. Station maintained and records developed by Alan C. Martellaro.

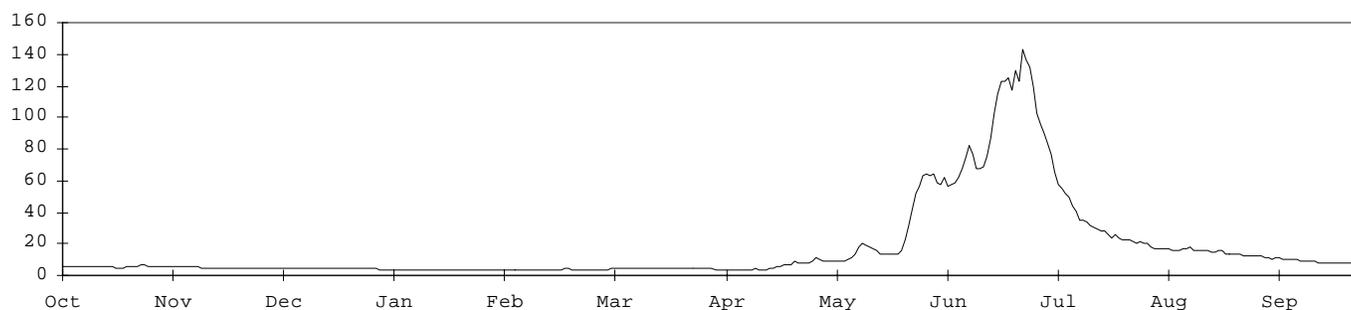
RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1 | 5.5 | 5.5 | 4.3 | 3.8 | 3.8 | 3.6 | 4.3 | 9.8 | 63 | 103 | 20 | 12 |
| 2 | 5.5 | 5.5 | 4.0 | 3.6 | 3.8 | 3.6 | 3.8 | 9.5 | 64 | 96 | 18 | 12 |
| 3 | 5.5 | 5.5 | 4.0 | 3.8 | 3.8 | 3.8 | 3.8 | 9.1 | 59 | 90 | 17 | 11 |
| 4 | 5.5 | 5.5 | 4.2 | 3.8 | 3.8 | 4.0 | 3.8 | 9.1 | 58 | 83 | 17 | 11 |
| 5 | 5.5 | 5.5 | 4.3 | 3.6 | 3.8 | 4.0 | 3.8 | 9.1 | 62 | 77 | 17 | 10 |
| 6 | 5.5 | 5.2 | 4.3 | 3.6 | 3.8 | 4.0 | 3.6 | 9.1 | 56 | 65 | 17 | 11 |
| 7 | 5.5 | 5.2 | 4.3 | 3.6 | 3.8 | 4.0 | 3.6 | 9.1 | 57 | 58 | 17 | 11 |
| 8 | 5.5 | 5.2 | 4.3 | 3.4 | 3.8 | 4.0 | 3.6 | 9.5 | 59 | 55 | 16 | 10 |
| 9 | 5.5 | 5.0 | 4.3 | 3.4 | 3.8 | 4.0 | 3.6 | 10 | 62 | 52 | 16 | 10 |
| 10 | 5.2 | 5.0 | 4.3 | 3.2 | 3.8 | 4.0 | 3.8 | 11 | 68 | 50 | 16 | 10 |
| 11 | 5.2 | 5.0 | 4.3 | 3.2 | 3.6 | 4.3 | 3.8 | 14 | 74 | 44 | 17 | 9.8 |
| 12 | 5.2 | 4.7 | 4.3 | 3.2 | 3.6 | 4.3 | 3.8 | 18 | 82 | 41 | 17 | 9.8 |
| 13 | 5.2 | 4.7 | 4.3 | 3.2 | 3.6 | 4.3 | 4.0 | 20 | 77 | 35 | 18 | 9.5 |
| 14 | 5.2 | 4.7 | 4.3 | 3.2 | 3.6 | 4.5 | 3.8 | 19 | 68 | 35 | 16 | 9.5 |
| 15 | 5.2 | 4.7 | 4.3 | 3.2 | 3.6 | 4.5 | 3.8 | 18 | 68 | 34 | 16 | 8.8 |
| 16 | 5.0 | 4.7 | 4.0 | 3.2 | 3.6 | 4.5 | 3.9 | 17 | 69 | 32 | 16 | 8.8 |
| 17 | 5.0 | 4.7 | 4.0 | 3.2 | 3.6 | 4.3 | 4.3 | 16 | 75 | 30 | 16 | 8.8 |
| 18 | 5.0 | 4.7 | 4.0 | 3.4 | 3.8 | 4.3 | 5.0 | 14 | 87 | 29 | 16 | 8.4 |
| 19 | 5.2 | 4.7 | 4.0 | 3.4 | 4.0 | 4.5 | 5.2 | 14 | 102 | 28 | 15 | 8.4 |
| 20 | 5.2 | 4.7 | 4.0 | 3.4 | 4.0 | 4.3 | 5.7 | 14 | 115 | 28 | 15 | 8.4 |
| 21 | 5.5 | 4.7 | 4.0 | 3.4 | 3.8 | 4.3 | 6.5 | 14 | 123 | 26 | 16 | 8.4 |
| 22 | 5.7 | 4.5 | 4.0 | 3.4 | 3.8 | 4.0 | 6.5 | 14 | 123 | 24 | 16 | 8.4 |
| 23 | 6.2 | 4.5 | 4.0 | 3.6 | 3.8 | 4.0 | 6.8 | 14 | 125 | 26 | 14 | 8.4 |
| 24 | 6.2 | 4.5 | 4.0 | 3.6 | 3.8 | 4.0 | 8.8 | 16 | 117 | 24 | 14 | 7.8 |
| 25 | 5.7 | 4.5 | 4.0 | 3.6 | 3.8 | 4.3 | 8.4 | 22 | 130 | 22 | 13 | 7.4 |
| 26 | 5.7 | 4.5 | 4.0 | 3.6 | 3.8 | 4.0 | 8.4 | 32 | 123 | 23 | 13 | 7.4 |
| 27 | 5.5 | 4.5 | 4.0 | 3.6 | 3.6 | 4.0 | 7.8 | 42 | 143 | 23 | 13 | 7.4 |
| 28 | 5.5 | 4.5 | 4.0 | 3.8 | 3.6 | 4.0 | 7.4 | 52 | 136 | 21 | 12 | 7.4 |
| 29 | 5.2 | 4.5 | 3.8 | 3.8 | --- | 4.0 | 9.5 | 56 | 132 | 20 | 12 | 7.4 |
| 30 | 5.2 | 4.5 | 3.8 | 3.8 | --- | 4.0 | 11 | 63 | 119 | 21 | 12 | 7.1 |
| 31 | 5.7 | --- | 3.8 | 3.8 | --- | 4.0 | --- | 64 | --- | 20 | 12 | --- |
| TOTAL | 168.2 | 145.6 | 127.2 | 108.4 | 105.0 | 127.4 | 162.1 | 648.3 | 2696 | 1315 | 480 | 275.3 |
| MEAN | 5.43 | 4.85 | 4.10 | 3.50 | 3.75 | 4.11 | 5.40 | 20.9 | 89.9 | 42.4 | 15.5 | 9.18 |
| AC-FT | 334 | 289 | 252 | 215 | 208 | 253 | 322 | 1290 | 5350 | 2610 | 952 | 546 |
| MAX | 6.2 | 5.5 | 4.3 | 3.8 | 4.0 | 4.5 | 11 | 64 | 143 | 103 | 20 | 12 |
| MIN | 5.0 | 4.5 | 3.8 | 3.2 | 3.6 | 3.6 | 3.6 | 9.1 | 56 | 20 | 12 | 7.1 |

CAL YR 1982 TOTAL 441.0 MEAN 1.21 MAX 6.2 MIN 3.8 AC-FT 875
WTR YR 1983 TOTAL 6358.5 MEAN 17.4 MAX 143 MIN 3.2 AC-FT 12610

MAX DISCH 130 CFS AT 0700 25-JUN-1983 GH 1.93 FT. SHIFT 0.00 FT. MAX GH 1.93 FT. AT 0700 25-JUN-1983



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO (1984)

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith, Co.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

REMARKS.--Records good except those for period of inaccurate or no gage-height record, which are poor. Beavers continue to plug inlet. Station malfunctioning from Dec. 23, 1983-Jan 4, 1984; ice affected from Jan. 14-18, 1984; station malfunctioning from Sept. 19-30, 1983. Station maintained and records developed by Alan C. Martellaro.

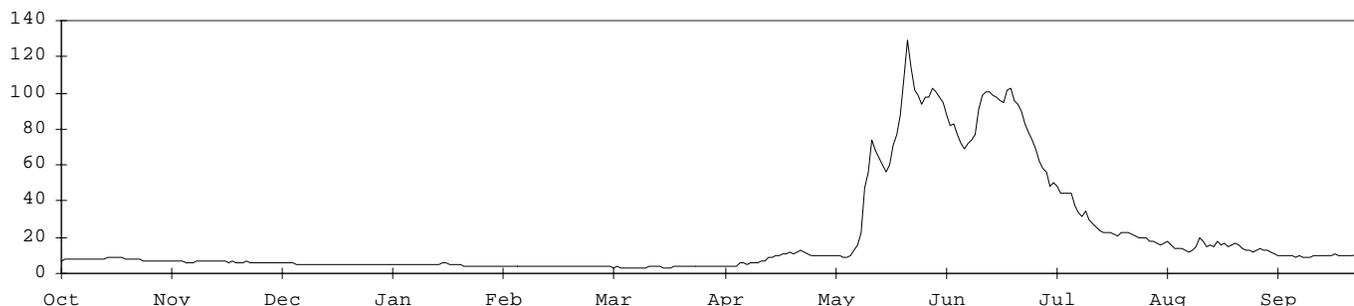
RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|-------|
| 1 | 7.1 | 6.5 | 5.7 | 5.2 | 3.8 | 3.6 | 4.0 | 9.5 | 103 | 62 | 18 | 14 |
| 2 | 7.4 | 6.5 | 5.7 | 5.2 | 3.8 | 3.6 | 4.0 | 10 | 101 | 58 | 18 | 13 |
| 3 | 7.4 | 6.5 | 5.5 | 4.7 | 3.8 | 3.6 | 3.8 | 10 | 98 | 56 | 17 | 13 |
| 4 | 7.4 | 6.5 | 5.5 | 4.7 | 3.8 | 3.4 | 3.8 | 9.5 | 95 | 48 | 16 | 12 |
| 5 | 7.4 | 6.2 | 5.5 | 4.7 | 3.8 | 4.3 | 3.8 | 9.8 | 88 | 50 | 17 | 11 |
| 6 | 7.8 | 6.2 | 5.2 | 4.7 | 3.8 | 3.4 | 4.0 | 9.8 | 82 | 48 | 18 | 10 |
| 7 | 7.8 | 6.2 | 5.2 | 4.7 | 3.8 | 3.4 | 4.3 | 9.1 | 83 | 44 | 16 | 10 |
| 8 | 7.8 | 6.5 | 5.2 | 4.7 | 3.8 | 3.4 | 5.7 | 9.1 | 77 | 44 | 14 | 10 |
| 9 | 7.8 | 6.8 | 5.2 | 4.7 | 3.8 | 3.4 | 5.7 | 10 | 72 | 44 | 14 | 9.5 |
| 10 | 7.4 | 7.1 | 5.2 | 4.7 | 4.0 | 3.4 | 5.2 | 13 | 69 | 44 | 14 | 9.5 |
| 11 | 7.4 | 6.8 | 5.2 | 4.7 | 4.0 | 3.4 | 5.7 | 16 | 72 | 37 | 13 | 9.1 |
| 12 | 7.4 | 6.5 | 5.0 | 4.7 | 4.0 | 3.4 | 5.7 | 23 | 74 | 34 | 12 | 9.8 |
| 13 | 7.8 | 6.8 | 5.0 | 4.7 | 3.8 | 3.4 | 5.7 | 47 | 77 | 32 | 13 | 9.1 |
| 14 | 8.4 | 6.8 | 4.7 | 4.7 | 3.8 | 3.8 | 6.5 | 56 | 91 | 35 | 15 | 8.8 |
| 15 | 8.8 | 6.5 | 4.7 | 5.0 | 3.8 | 3.6 | 7.1 | 74 | 99 | 30 | 20 | 8.8 |
| 16 | 8.8 | 6.5 | 4.7 | 5.7 | 3.8 | 3.8 | 8.4 | 68 | 101 | 28 | 18 | 10 |
| 17 | 8.8 | 6.0 | 4.7 | 5.5 | 3.8 | 3.6 | 9.1 | 64 | 101 | 26 | 15 | 10 |
| 18 | 8.4 | 6.5 | 4.7 | 5.0 | 3.8 | 3.4 | 10 | 60 | 99 | 24 | 16 | 9.8 |
| 19 | 7.8 | 6.0 | 4.7 | 4.6 | 3.8 | 3.4 | 10 | 56 | 98 | 23 | 15 | 9.8 |
| 20 | 7.8 | 6.0 | 5.0 | 4.5 | 3.8 | 3.4 | 11 | 60 | 96 | 23 | 18 | 10 |
| 21 | 7.8 | 6.4 | 4.7 | 4.5 | 3.8 | 4.0 | 11 | 71 | 95 | 23 | 16 | 10 |
| 22 | 7.8 | 6.5 | 4.7 | 4.3 | 3.8 | 3.6 | 12 | 77 | 102 | 22 | 17 | 11 |
| 23 | 7.4 | 6.0 | 4.7 | 4.3 | 3.6 | 3.6 | 11 | 88 | 103 | 21 | 15 | 10 |
| 24 | 7.1 | 5.7 | 4.7 | 4.3 | 3.6 | 3.8 | 12 | 108 | 96 | 23 | 16 | 10 |
| 25 | 7.1 | 5.5 | 4.7 | 4.3 | 3.6 | 4.0 | 13 | 129 | 94 | 23 | 17 | 9.8 |
| 26 | 7.1 | 5.5 | 4.7 | 4.3 | 3.6 | 3.8 | 12 | 114 | 90 | 23 | 16 | 10 |
| 27 | 6.8 | 5.5 | 4.7 | 4.3 | 3.6 | 3.8 | 11 | 102 | 83 | 22 | 14 | 10 |
| 28 | 6.8 | 5.5 | 4.7 | 4.3 | 3.6 | 3.8 | 10 | 99 | 78 | 21 | 13 | 11 |
| 29 | 7.1 | 5.7 | 4.5 | 4.0 | 3.6 | 3.8 | 9.8 | 94 | 74 | 20 | 13 | 11 |
| 30 | 7.1 | 5.7 | 4.5 | 4.0 | --- | 4.0 | 9.5 | 98 | 69 | 20 | 12 | 12 |
| 31 | 6.8 | --- | 4.5 | 4.0 | --- | 4.0 | --- | 98 | --- | 20 | 13 | --- |
| TOTAL | 235.6 | 187.4 | 153.4 | 143.7 | 109.4 | 112.9 | 234.8 | 1701.8 | 2660 | 1028 | 479 | 312.0 |
| MEAN | 7.60 | 6.25 | 4.95 | 4.64 | 3.77 | 3.64 | 7.83 | 54.9 | 88.7 | 33.2 | 15.5 | 10.4 |
| AC-FT | 467 | 372 | 304 | 285 | 217 | 224 | 466 | 3380 | 5280 | 2040 | 950 | 619 |
| MAX | 8.8 | 7.1 | 5.7 | 5.7 | 4.0 | 4.3 | 13 | 129 | 103 | 62 | 20 | 14 |
| MIN | 6.8 | 5.5 | 4.5 | 4.0 | 3.6 | 3.4 | 3.8 | 9.1 | 69 | 20 | 12 | 8.8 |

CAL YR 1983 TOTAL 6493.9 MEAN 17.8 MAX 143 MIN 3.2 AC-FT 12880
WTR YR 1984 TOTAL 7358.0 MEAN 20.1 MAX 129 MIN 3.4 AC-FT 14590

MAX DISCH 143 CFS AT 0800 25-MAY-1984 GH 2.03 FT. SHIFT -0.03 FT. MAX GH 2.03 FT. AT 0800 25-MAY-1984



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO (1985)

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith, Co.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

REMARKS.--Records good except those for period of inaccurate or no gage-height record, which are poor. Beavers continue to plug inlet. Station malfunctioning from Oct. 1 to Nov. 1, clock stopped from Feb. 1 to 17; station malfunctioning from May 1 to 11; record estimated from May 29 to June 2. Station maintained and records developed by Alan C. Martellaro.

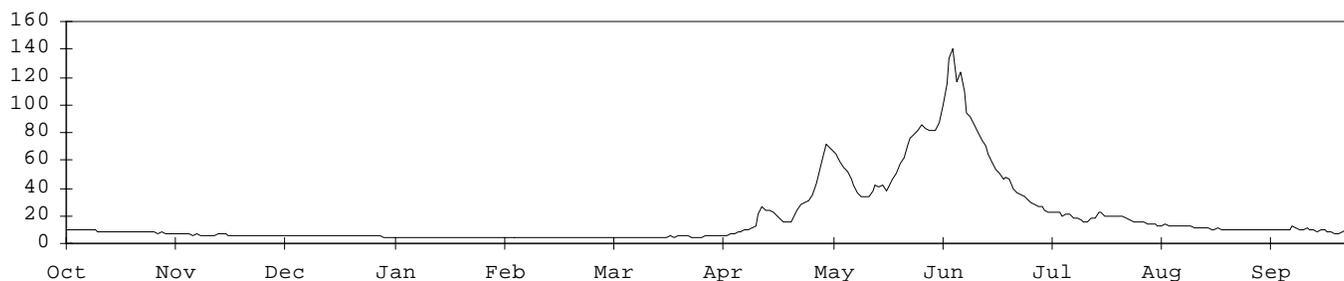
RATING TABLE.-- RFCMERC001 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|
| 1 | 10 | 7.1 | 5.5 | 4.7 | 4.0 | 3.6 | 5.0 | 35 | 85 | 32 | 16 | 10 |
| 2 | 10 | 6.5 | 5.5 | 4.7 | 4.0 | 3.6 | 5.0 | 43 | 83 | 30 | 16 | 10 |
| 3 | 10 | 6.5 | 5.5 | 4.7 | 4.0 | 3.6 | 5.5 | 49 | 82 | 28 | 15 | 10 |
| 4 | 10 | 6.8 | 5.5 | 4.7 | 4.0 | 4.3 | 6.0 | 60 | 81 | 27 | 14 | 10 |
| 5 | 9.8 | 6.8 | 5.5 | 4.7 | 4.0 | 3.6 | 5.2 | 71 | 82 | 26 | 14 | 10 |
| 6 | 10 | 6.8 | 5.2 | 4.7 | 4.0 | 3.8 | 5.2 | 69 | 87 | 24 | 14 | 10 |
| 7 | 9.8 | 6.2 | 5.2 | 4.7 | 4.0 | 4.5 | 6.2 | 66 | 99 | 23 | 13 | 10 |
| 8 | 9.5 | 6.5 | 5.2 | 4.5 | 4.0 | 3.8 | 6.5 | 64 | 115 | 22 | 13 | 10 |
| 9 | 9.8 | 6.2 | 5.2 | 4.5 | 4.0 | 3.6 | 7.4 | 59 | 134 | 22 | 14 | 9.8 |
| 10 | 9.5 | 6.2 | 5.2 | 4.5 | 3.8 | 4.7 | 8.8 | 55 | 141 | 23 | 13 | 9.8 |
| 11 | 8.8 | 6.2 | 5.2 | 4.5 | 3.8 | 3.8 | 8.4 | 52 | 117 | 20 | 12 | 9.8 |
| 12 | 9.1 | 6.2 | 5.2 | 4.5 | 3.8 | 4.0 | 9.8 | 47 | 123 | 21 | 13 | 9.5 |
| 13 | 8.8 | 6.2 | 5.5 | 4.5 | 3.8 | 3.8 | 9.5 | 42 | 109 | 21 | 12 | 9.8 |
| 14 | 9.1 | 6.5 | 5.5 | 4.5 | 3.8 | 3.8 | 11 | 36 | 94 | 18 | 12 | 12 |
| 15 | 8.8 | 6.8 | 5.7 | 4.7 | 3.8 | 4.7 | 13 | 33 | 91 | 18 | 12 | 11 |
| 16 | 8.4 | 6.8 | 5.7 | 4.7 | 3.8 | 4.7 | 21 | 34 | 86 | 17 | 12 | 9.5 |
| 17 | 8.8 | 6.2 | 6.0 | 4.7 | 3.8 | 4.5 | 26 | 34 | 80 | 16 | 11 | 9.5 |
| 18 | 8.4 | 6.0 | 6.0 | 4.3 | 3.8 | 4.7 | 24 | 38 | 75 | 16 | 11 | 11 |
| 19 | 8.8 | 6.0 | 5.5 | 4.0 | 3.8 | 4.3 | 24 | 42 | 70 | 18 | 11 | 10 |
| 20 | 8.4 | 6.0 | 5.5 | 4.0 | 3.8 | 4.7 | 22 | 41 | 64 | 18 | 11 | 9.5 |
| 21 | 8.1 | 6.0 | 5.2 | 4.0 | 4.3 | 4.7 | 19 | 42 | 59 | 22 | 11 | 9.1 |
| 22 | 8.4 | 6.0 | 5.2 | 4.3 | 4.5 | 5.0 | 18 | 38 | 54 | 22 | 10 | 9.5 |
| 23 | 8.1 | 5.7 | 5.2 | 4.0 | 3.8 | 4.7 | 16 | 44 | 50 | 19 | 10 | 9.5 |
| 24 | 8.1 | 5.7 | 5.0 | 4.0 | 4.0 | 5.0 | 16 | 46 | 47 | 19 | 11 | 9.1 |
| 25 | 7.8 | 5.7 | 5.0 | 4.0 | 3.8 | 5.2 | 16 | 51 | 48 | 20 | 10 | 8.4 |
| 26 | 8.1 | 5.7 | 5.0 | 4.0 | 4.0 | 5.0 | 21 | 58 | 46 | 19 | 10 | 7.4 |
| 27 | 7.8 | 5.5 | 5.2 | 4.0 | 3.8 | 5.2 | 24 | 62 | 40 | 20 | 10 | 7.4 |
| 28 | 7.4 | 5.5 | 5.5 | 4.0 | 3.8 | 4.5 | 28 | 72 | 37 | 20 | 10 | 9.1 |
| 29 | 7.8 | 5.5 | 5.5 | 4.3 | --- | 4.5 | 29 | 76 | 35 | 18 | 10 | 9.5 |
| 30 | 7.4 | 5.5 | 5.2 | 4.3 | --- | 4.7 | 31 | 78 | 33 | 17 | 10 | 9.8 |
| 31 | 7.1 | --- | 4.7 | 4.3 | --- | 4.5 | --- | 82 | --- | 16 | 10 | --- |
| TOTAL | 271.9 | 185.3 | 166.0 | 136.0 | 109.8 | 135.1 | 447.5 | 1619 | 2347 | 652 | 371 | 290.0 |
| MEAN | 8.77 | 6.18 | 5.35 | 4.39 | 3.92 | 4.36 | 14.9 | 52.2 | 78.2 | 21.0 | 12.0 | 9.67 |
| AC-FT | 539 | 368 | 329 | 270 | 218 | 268 | 888 | 3210 | 4660 | 1290 | 736 | 575 |
| MAX | 10 | 7.1 | 6.0 | 4.7 | 4.5 | 5.2 | 31 | 82 | 141 | 32 | 16 | 12 |
| MIN | 7.1 | 5.5 | 4.7 | 4.0 | 3.8 | 3.6 | 5.0 | 33 | 33 | 16 | 10 | 7.4 |

CAL YR 1984 TOTAL 7404.8 MEAN 20.2 MAX 129 MIN 3.4 AC-FT 14690
WTR YR 1985 TOTAL 6730.6 MEAN 18.4 MAX 141 MIN 3.6 AC-FT 13350

MAX DISCH 508 CFS AT 2000 30-MAY-1985 GH 3.31 FT. SHIFT +0.01 FT. MAX GH 3.31 FT. AT 2000 30-MAY-1985



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO (1986)

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith, Co.

DRAINAGE AREA.--12.3 mi².

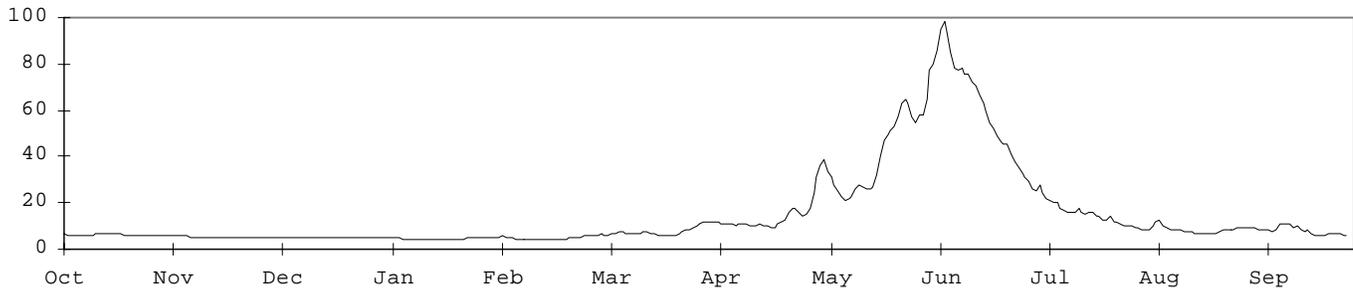
GAGE.--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

REMARKS.--No remarks available.

RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|--------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| 1 | 7.4 | 5.5 | 5.2 | 4.7 | 5.2 | 5.5 | 12 | 18 | 58 | 31 | 9.1 | 9.1 |
| 2 | 6.8 | 5.5 | 5.2 | 4.7 | 5.2 | 5.7 | 12 | 24 | 58 | 29 | 9.1 | 9.1 |
| 3 | 6.0 | 5.5 | 5.2 | 4.7 | 5.5 | 6.8 | 12 | 31 | 65 | 26 | 8.8 | 9.1 |
| 4 | 5.7 | 5.5 | 5.2 | 4.7 | 5.2 | 6.2 | 12 | 36 | 77 | 25 | 8.8 | 9.1 |
| 5 | 5.7 | 5.5 | 5.0 | 4.7 | 5.0 | 6.2 | 12 | 39 | 80 | 28 | 8.8 | 8.8 |
| 6 | 5.7 | 5.5 | 5.0 | 4.5 | 4.7 | 7.1 | 11 | 34 | 86 | 24 | 10 | 8.4 |
| 7 | 5.7 | 5.2 | 5.0 | 4.5 | 4.3 | 7.1 | 11 | 31 | 95 | 22 | 12 | 8.8 |
| 8 | 6.0 | 5.2 | 5.0 | 4.5 | 4.5 | 7.4 | 11 | 28 | 98 | 21 | 13 | 8.1 |
| 9 | 6.2 | 5.2 | 5.0 | 4.5 | 4.5 | 7.4 | 11 | 25 | 94 | 20 | 9.8 | 7.4 |
| 10 | 6.2 | 5.2 | 5.0 | 4.5 | 4.3 | 7.1 | 10 | 23 | 85 | 20 | 9.5 | 8.8 |
| 11 | 6.5 | 5.2 | 5.0 | 4.5 | 4.3 | 7.1 | 11 | 21 | 78 | 18 | 8.4 | 11 |
| 12 | 6.5 | 5.2 | 5.0 | 4.5 | 4.3 | 7.1 | 11 | 22 | 77 | 17 | 8.4 | 11 |
| 13 | 6.5 | 5.2 | 5.0 | 4.5 | 4.3 | 7.1 | 11 | 23 | 78 | 16 | 8.1 | 11 |
| 14 | 6.8 | 5.2 | 5.0 | 4.5 | 4.3 | 7.1 | 10 | 26 | 76 | 16 | 8.1 | 11 |
| 15 | 6.8 | 5.2 | 5.0 | 4.5 | 4.5 | 7.8 | 10 | 28 | 76 | 16 | 7.8 | 9.5 |
| 16 | 7.1 | 5.2 | 5.0 | 4.5 | 4.5 | 7.4 | 10 | 27 | 72 | 18 | 7.8 | 10 |
| 17 | 7.1 | 5.2 | 5.0 | 4.5 | 4.5 | 6.8 | 11 | 26 | 71 | 16 | 7.4 | 8.1 |
| 18 | 7.1 | 5.2 | 5.0 | 4.5 | 4.5 | 6.5 | 9.8 | 26 | 66 | 15 | 7.1 | 7.8 |
| 19 | 6.2 | 5.2 | 5.0 | 4.5 | 4.5 | 6.2 | 9.8 | 27 | 63 | 16 | 6.8 | 8.1 |
| 20 | 6.2 | 5.2 | 5.0 | 4.5 | 4.5 | 6.2 | 9.5 | 32 | 60 | 16 | 6.8 | 6.5 |
| 21 | 6.0 | 5.2 | 4.7 | 4.5 | 4.5 | 6.0 | 9.5 | 40 | 55 | 14 | 6.8 | 6.2 |
| 22 | 5.7 | 5.2 | 4.7 | 4.5 | 4.7 | 6.0 | 11 | 47 | 52 | 14 | 6.8 | 6.0 |
| 23 | 5.7 | 5.2 | 4.7 | 4.5 | 4.7 | 6.0 | 12 | 50 | 49 | 13 | 7.1 | 6.2 |
| 24 | 5.7 | 5.2 | 4.7 | 4.7 | 4.7 | 6.2 | 13 | 51 | 46 | 13 | 7.1 | 6.2 |
| 25 | 5.7 | 5.2 | 4.7 | 4.7 | 5.0 | 7.1 | 16 | 53 | 45 | 14 | 7.8 | 6.5 |
| 26 | 5.5 | 5.2 | 4.7 | 5.0 | 6.0 | 7.8 | 18 | 57 | 45 | 12 | 8.4 | 6.5 |
| 27 | 5.5 | 5.2 | 4.7 | 5.0 | 6.2 | 8.1 | 18 | 63 | 41 | 12 | 8.4 | 6.5 |
| 28 | 5.5 | 5.2 | 4.7 | 5.0 | 6.2 | 8.8 | 16 | 65 | 38 | 11 | 8.8 | 6.5 |
| 29 | 5.5 | 5.2 | 4.7 | 5.2 | --- | 9.5 | 14 | 63 | 35 | 10 | 8.8 | 6.2 |
| 30 | 5.5 | 5.2 | 4.7 | 5.2 | --- | 9.8 | 15 | 57 | 33 | 10 | 9.1 | 6.2 |
| 31 | 5.5 | --- | 4.7 | 5.2 | --- | 11 | --- | 55 | --- | 9.8 | 9.1 | --- |
| TOTAL | 190.0 | 157.8 | 152.5 | 144.5 | 134.6 | 222.1 | 359.6 | 1148 | 1952 | 542.8 | 263.8 | 243.7 |
| MEAN | 6.13 | 5.26 | 4.92 | 4.66 | 4.81 | 7.16 | 12.0 | 37.0 | 65.1 | 17.5 | 8.51 | 8.12 |
| AC-FT | 377 | 313 | 302 | 287 | 267 | 441 | 713 | 2280 | 3870 | 1080 | 523 | 483 |
| MAX | 7.4 | 5.5 | 5.2 | 5.2 | 6.2 | 11 | 18 | 65 | 98 | 31 | 13 | 11 |
| MIN | 5.5 | 5.2 | 4.7 | 4.5 | 4.3 | 5.5 | 9.5 | 18 | 33 | 9.8 | 6.8 | 6.0 |
| CAL YR 1985 TOTAL | 6607.7 | | MEAN | 18.1 | MAX | 141 | MIN | 3.6 | AC-FT | 13110 | | |
| WTR YR 1986 TOTAL | 5511.4 | | MEAN | 15.1 | MAX | 98 | MIN | 4.3 | AC-FT | 10930 | | |



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO (1987)

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith, Co.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

REMARKS.--Records good except those for period of inaccurate or no gage-height record, which are poor. Beavers continue to plug inlet. Station malfunctioning from Nov. 9-30, 1986; Jan. 26-Mar. 18, 20-25, 1987; station ice affected from Dec. 4-6, 9-16, 1987. Station maintained and records developed by Alan C. Martellaro.

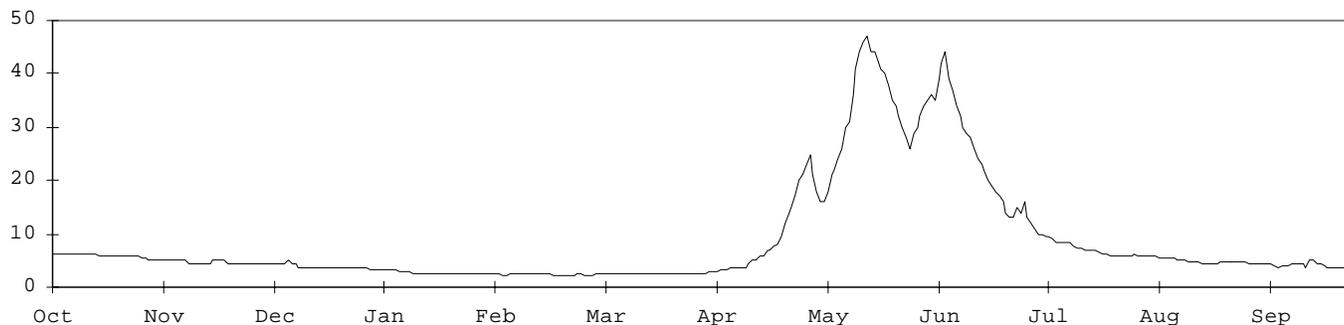
RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|------|------|------|-------|------|------|-------|-------|-------|
| 1 | 6.2 | 5.2 | 4.5 | 3.4 | 2.5 | 2.3 | 2.7 | 23 | 30 | 16 | 6.2 | 4.7 |
| 2 | 6.2 | 5.2 | 4.5 | 3.2 | 2.5 | 2.3 | 2.7 | 25 | 32 | 13 | 6.0 | 4.5 |
| 3 | 6.2 | 5.2 | 4.5 | 3.2 | 2.5 | 2.5 | 2.7 | 21 | 34 | 12 | 6.0 | 4.5 |
| 4 | 6.2 | 5.2 | 4.5 | 3.2 | 2.5 | 2.5 | 2.8 | 18 | 35 | 11 | 6.0 | 4.3 |
| 5 | 6.2 | 5.2 | 4.5 | 3.2 | 2.3 | 2.5 | 3.0 | 16 | 36 | 10 | 6.0 | 4.3 |
| 6 | 6.2 | 5.2 | 4.5 | 3.2 | 2.3 | 2.5 | 3.0 | 16 | 35 | 9.8 | 5.7 | 4.3 |
| 7 | 6.2 | 5.0 | 5.0 | 3.0 | 2.5 | 2.5 | 3.2 | 18 | 39 | 9.5 | 5.7 | 4.3 |
| 8 | 6.2 | 5.0 | 4.5 | 3.0 | 2.5 | 2.5 | 3.4 | 21 | 42 | 9.5 | 5.5 | 4.3 |
| 9 | 6.2 | 4.2 | 4.5 | 2.8 | 2.5 | 2.5 | 3.4 | 22 | 44 | 9.1 | 5.5 | 4.0 |
| 10 | 6.2 | 4.3 | 3.5 | 2.8 | 2.5 | 2.5 | 3.6 | 24 | 39 | 8.4 | 5.5 | 3.8 |
| 11 | 6.2 | 4.3 | 3.5 | 2.7 | 2.5 | 2.5 | 3.8 | 26 | 37 | 8.4 | 5.5 | 4.0 |
| 12 | 6.2 | 4.5 | 3.5 | 2.7 | 2.5 | 2.5 | 3.8 | 30 | 34 | 8.4 | 5.5 | 4.0 |
| 13 | 6.2 | 4.5 | 3.8 | 2.7 | 2.5 | 2.5 | 3.8 | 31 | 32 | 8.4 | 5.2 | 4.0 |
| 14 | 6.2 | 4.5 | 3.8 | 2.7 | 2.7 | 2.7 | 3.8 | 36 | 30 | 8.4 | 5.0 | 4.3 |
| 15 | 6.0 | 4.5 | 3.8 | 2.7 | 2.7 | 2.7 | 4.3 | 41 | 29 | 7.8 | 5.0 | 4.3 |
| 16 | 5.7 | 5.0 | 3.8 | 2.7 | 2.5 | 2.7 | 5.0 | 44 | 28 | 7.4 | 4.7 | 4.3 |
| 17 | 5.7 | 5.0 | 3.8 | 2.7 | 2.7 | 2.7 | 5.2 | 46 | 26 | 7.4 | 4.7 | 4.3 |
| 18 | 5.7 | 5.0 | 3.8 | 2.7 | 2.5 | 2.7 | 5.7 | 47 | 24 | 7.1 | 4.7 | 3.8 |
| 19 | 5.7 | 5.0 | 3.8 | 2.7 | 2.3 | 2.7 | 6.0 | 44 | 23 | 7.1 | 4.7 | 5.0 |
| 20 | 5.7 | 4.5 | 3.8 | 2.7 | 2.3 | 2.5 | 6.8 | 44 | 22 | 7.1 | 4.5 | 5.0 |
| 21 | 5.7 | 4.5 | 3.8 | 2.7 | 2.3 | 2.5 | 7.1 | 43 | 20 | 6.8 | 4.3 | 4.5 |
| 22 | 5.7 | 4.5 | 3.8 | 2.7 | 2.3 | 2.5 | 7.8 | 41 | 19 | 6.5 | 4.3 | 4.3 |
| 23 | 5.7 | 4.5 | 3.8 | 2.7 | 2.3 | 2.5 | 8.1 | 40 | 18 | 6.2 | 4.5 | 4.0 |
| 24 | 5.7 | 4.5 | 3.6 | 2.7 | 2.3 | 2.5 | 9.5 | 38 | 17 | 6.2 | 4.5 | 3.8 |
| 25 | 5.7 | 4.5 | 3.6 | 2.7 | 2.3 | 2.5 | 12 | 35 | 16 | 6.0 | 4.7 | 3.8 |
| 26 | 5.7 | 4.5 | 3.6 | 2.7 | 2.5 | 2.5 | 14 | 34 | 14 | 6.0 | 4.7 | 3.8 |
| 27 | 5.5 | 4.5 | 3.6 | 2.7 | 2.5 | 2.5 | 15 | 32 | 13 | 6.0 | 4.7 | 3.8 |
| 28 | 5.5 | 4.5 | 3.6 | 2.7 | 2.3 | 2.5 | 17 | 30 | 13 | 6.0 | 4.7 | 3.8 |
| 29 | 5.2 | 4.5 | 3.6 | 2.5 | --- | 2.5 | 20 | 28 | 15 | 6.0 | 4.7 | 3.6 |
| 30 | 5.2 | 4.5 | 3.4 | 2.5 | --- | 2.5 | 21 | 26 | 14 | 6.0 | 4.7 | 3.6 |
| 31 | 5.2 | --- | 3.4 | 2.5 | --- | 2.5 | --- | 29 | --- | 6.0 | 4.7 | --- |
| TOTAL | 182.1 | 141.5 | 121.7 | 87.1 | 68.6 | 78.3 | 210.2 | 969 | 810 | 253.5 | 158.1 | 125.0 |
| MEAN | 5.87 | 4.72 | 3.93 | 2.81 | 2.45 | 2.53 | 7.01 | 31.3 | 27.0 | 8.18 | 5.10 | 4.17 |
| AC-FT | 361 | 281 | 241 | 173 | 136 | 155 | 417 | 1920 | 1610 | 503 | 314 | 248 |
| MAX | 6.2 | 5.2 | 5.0 | 3.4 | 2.7 | 2.7 | 21 | 47 | 44 | 16 | 6.2 | 5.0 |
| MIN | 5.2 | 4.2 | 3.4 | 2.5 | 2.3 | 2.3 | 2.7 | 16 | 13 | 6.0 | 4.3 | 3.6 |

CAL YR 1986 TOTAL 5456.4 MEAN 14.9 MAX 98 MIN 3.4 AC-FT 10820
WTR YR 1987 TOTAL 3205.1 MEAN 8.78 MAX 47 MIN 2.3 AC-FT 6360

MAX DISCH 51 CFS AT 0400 18-MAY-1987 GH 1.32 FT. SHIFT +0.07 FT. MAX GH 1.32 FT. AT 0400 18-MAY-1987



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO (1988)

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith, Co.

DRAINAGE AREA.--12.3 mi².

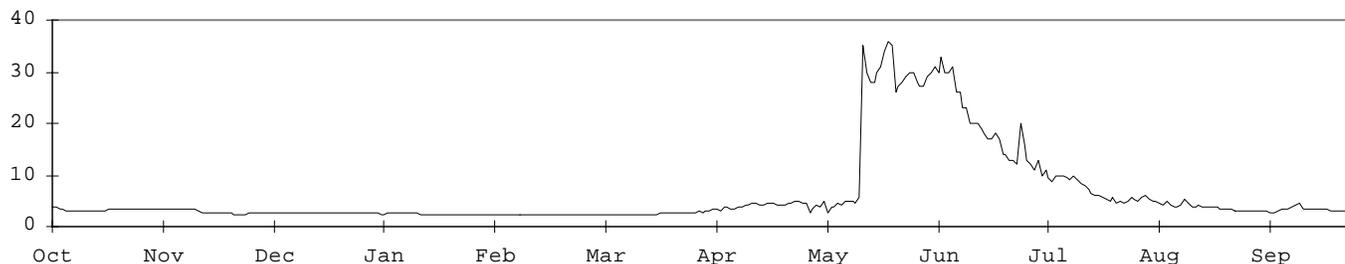
GAGE.--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

REMARKS.-- Records good except those for period of inaccurate or no gage-height record, which are poor. Beavers continue to plug inlet. Clock stopped Dec. 22, 1987-Apr. 28, 1988; station malfunctioning from May 26-June 9, 1988; inlet plugged July 13-21; Sept. 16-30, 1988. Station maintained and records developed by Wayne I. Schieldt.

RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|-------|--------|------|------|------|------|-------|-------|-------|-------|-------|------|
| 1 | 3.6 | 3.4 | 2.7 | 2.6 | 2.3 | 2.4 | 2.8 | 2.8 | 27 | 13 | 5.0 | 3.2 |
| 2 | 3.6 | 3.4 | 2.7 | 2.4 | 2.3 | 2.4 | 3.0 | 3.4 | 27 | 12 | 5.7 | 3.2 |
| 3 | 3.6 | 3.4 | 2.7 | 2.4 | 2.3 | 2.4 | 3.2 | 4.0 | 29 | 11 | 6.0 | 3.2 |
| 4 | 3.4 | 3.4 | 2.7 | 2.5 | 2.2 | 2.4 | 3.4 | 3.8 | 30 | 13 | 5.2 | 3.2 |
| 5 | 3.4 | 3.4 | 2.7 | 2.6 | 2.2 | 2.4 | 3.4 | 5.0 | 31 | 10 | 5.0 | 3.0 |
| 6 | 3.2 | 3.4 | 2.7 | 2.6 | 2.2 | 2.4 | 3.2 | 2.8 | 30 | 11 | 5.0 | 3.0 |
| 7 | 3.2 | 3.4 | 2.7 | 2.5 | 2.2 | 2.4 | 3.6 | 3.8 | 33 | 9.5 | 4.5 | 2.8 |
| 8 | 3.2 | 3.4 | 2.5 | 2.5 | 2.3 | 2.3 | 3.6 | 3.8 | 30 | 8.8 | 4.3 | 2.7 |
| 9 | 3.2 | 3.4 | 2.5 | 2.6 | 2.3 | 2.3 | 3.4 | 4.7 | 30 | 10 | 5.0 | 3.0 |
| 10 | 3.2 | 3.4 | 2.5 | 2.6 | 2.3 | 2.4 | 3.4 | 4.3 | 31 | 10 | 4.0 | 3.4 |
| 11 | 3.2 | 3.4 | 2.5 | 2.6 | 2.3 | 2.4 | 3.6 | 5.0 | 26 | 10 | 3.8 | 3.4 |
| 12 | 3.2 | 3.0 | 2.5 | 2.5 | 2.3 | 2.3 | 3.8 | 5.0 | 26 | 9.5 | 3.8 | 3.4 |
| 13 | 3.2 | 2.7 | 2.7 | 2.3 | 2.3 | 2.3 | 4.0 | 5.0 | 23 | 9.2 | 4.3 | 3.8 |
| 14 | 3.2 | 2.7 | 2.8 | 2.3 | 2.3 | 2.3 | 4.2 | 4.7 | 23 | 9.8 | 5.2 | 4.0 |
| 15 | 3.2 | 2.7 | 2.8 | 2.3 | 2.3 | 2.4 | 4.4 | 5.7 | 20 | 9.0 | 4.5 | 4.4 |
| 16 | 3.2 | 2.7 | 2.8 | 2.4 | 2.3 | 2.4 | 4.4 | 35 | 20 | 8.4 | 3.8 | 3.4 |
| 17 | 3.2 | 2.7 | 2.8 | 2.3 | 2.2 | 2.4 | 4.2 | 30 | 20 | 8.0 | 3.8 | 3.4 |
| 18 | 3.4 | 2.7 | 2.8 | 2.3 | 2.2 | 2.3 | 4.2 | 28 | 19 | 7.2 | 4.3 | 3.4 |
| 19 | 3.4 | 2.7 | 2.8 | 2.3 | 2.2 | 2.4 | 4.4 | 28 | 18 | 6.6 | 3.6 | 3.3 |
| 20 | 3.4 | 2.7 | 2.8 | 2.1 | 2.2 | 2.5 | 4.4 | 30 | 17 | 6.2 | 3.6 | 3.3 |
| 21 | 3.4 | 2.5 | 2.8 | 2.1 | 2.2 | 2.5 | 4.4 | 31 | 17 | 6.0 | 3.6 | 3.3 |
| 22 | 3.4 | 2.4 | 2.8 | 2.1 | 2.3 | 2.5 | 4.2 | 34 | 18 | 5.7 | 3.6 | 3.3 |
| 23 | 3.4 | 2.4 | 2.8 | 2.3 | 2.3 | 2.6 | 4.2 | 36 | 17 | 5.2 | 3.6 | 3.3 |
| 24 | 3.4 | 2.2 | 2.8 | 2.3 | 2.4 | 2.6 | 4.2 | 35 | 14 | 5.0 | 3.4 | 3.2 |
| 25 | 3.4 | 2.4 | 2.6 | 2.2 | 2.4 | 2.8 | 4.4 | 26 | 14 | 5.5 | 3.4 | 3.2 |
| 26 | 3.4 | 2.5 | 2.6 | 2.2 | 2.4 | 2.8 | 4.6 | 27 | 13 | 4.7 | 3.4 | 3.1 |
| 27 | 3.4 | 2.8 | 2.7 | 2.2 | 2.4 | 2.8 | 4.8 | 28 | 13 | 5.0 | 3.4 | 3.0 |
| 28 | 3.4 | 2.8 | 2.7 | 2.2 | 2.4 | 2.8 | 5.0 | 29 | 12 | 4.5 | 3.2 | 3.0 |
| 29 | 3.4 | 2.8 | 2.7 | 2.3 | 2.4 | 2.7 | 4.7 | 30 | 20 | 5.0 | 3.2 | 2.9 |
| 30 | 3.4 | 2.8 | 2.7 | 2.3 | --- | 2.7 | 4.5 | 30 | 16 | 5.5 | 3.2 | 3.0 |
| 31 | 3.4 | --- | 2.7 | 2.3 | --- | 2.9 | --- | 28 | --- | 5.2 | 3.2 | --- |
| TOTAL | 103.6 | 87.6 | 83.6 | 73.2 | 66.4 | 77.2 | 119.6 | 548.8 | 664 | 249.5 | 127.6 | 97.8 |
| MEAN | 3.34 | 2.92 | 2.70 | 2.36 | 2.29 | 2.49 | 3.99 | 17.7 | 22.1 | 8.05 | 4.12 | 3.26 |
| AC-FT | 205 | 174 | 166 | 145 | 132 | 153 | 237 | 1090 | 1320 | 495 | 253 | 194 |
| MAX | 3.6 | 3.4 | 2.8 | 2.6 | 2.4 | 2.9 | 5.0 | 36 | 33 | 13 | 6.0 | 4.4 |
| MIN | 3.2 | 2.2 | 2.5 | 2.1 | 2.2 | 2.3 | 2.8 | 2.8 | 12 | 4.5 | 3.2 | 2.7 |
| CAL YR 1987 TOTAL | | 3034.6 | MEAN | 8.31 | MAX | 47 | MIN | 2.2 | AC-FT | 6020 | | |
| WTR YR 1988 TOTAL | | 2298.9 | MEAN | 6.28 | MAX | 36 | MIN | 2.1 | AC-FT | 4560 | | |



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO (1989)

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith, Co.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

REMARKS.-- Records good except those for period of inaccurate or no gage-height record, which are poor. Beavers continue to plug inlet. Inlet plugged Oct. 1-3, 7, 1988-Feb. 23, 1989; Mar. 3-29; Apr. 1-4, 7-10; July 2-19, 1989; station malfunctioning from Sept. 3-13. Station maintained and records developed by Wayne I. Schieldt.

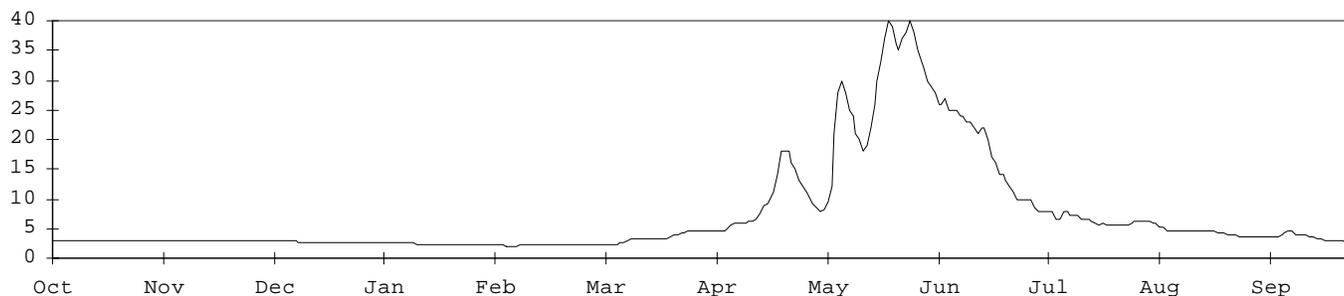
RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|-------|------|-------|-------|-------|
| 1 | 2.8 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 4.5 | 11 | 35 | 10 | 6.2 | 3.6 |
| 2 | 2.8 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 4.5 | 9.8 | 34 | 10 | 6.2 | 3.6 |
| 3 | 2.8 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 4.5 | 9.1 | 32 | 9.8 | 6.2 | 3.6 |
| 4 | 2.8 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 4.7 | 8.4 | 30 | 8.4 | 6.2 | 3.6 |
| 5 | 2.8 | 2.8 | 2.8 | 2.5 | 2.2 | 2.2 | 4.7 | 7.8 | 29 | 7.8 | 6.2 | 3.6 |
| 6 | 2.8 | 2.8 | 2.8 | 2.5 | 2.1 | 2.2 | 4.7 | 8.1 | 28 | 7.8 | 6.0 | 3.6 |
| 7 | 2.8 | 2.8 | 2.8 | 2.5 | 2.1 | 2.2 | 4.7 | 9.5 | 26 | 7.8 | 6.0 | 3.6 |
| 8 | 2.8 | 2.8 | 2.8 | 2.5 | 2.1 | 2.2 | 4.7 | 12 | 26 | 7.8 | 5.2 | 3.6 |
| 9 | 2.8 | 2.8 | 2.8 | 2.5 | 2.1 | 2.4 | 5.0 | 21 | 27 | 7.8 | 5.2 | 3.6 |
| 10 | 2.8 | 2.8 | 2.7 | 2.5 | 2.2 | 2.5 | 5.5 | 28 | 25 | 6.5 | 4.7 | 3.6 |
| 11 | 2.8 | 2.8 | 2.7 | 2.5 | 2.2 | 2.7 | 6.0 | 30 | 25 | 6.5 | 4.7 | 4.0 |
| 12 | 2.8 | 2.8 | 2.7 | 2.4 | 2.2 | 3.0 | 6.0 | 28 | 25 | 7.8 | 4.7 | 4.3 |
| 13 | 2.8 | 2.8 | 2.7 | 2.4 | 2.2 | 3.2 | 6.0 | 25 | 24 | 7.8 | 4.7 | 4.5 |
| 14 | 2.8 | 2.8 | 2.7 | 2.4 | 2.2 | 3.2 | 6.0 | 24 | 24 | 7.1 | 4.7 | 4.5 |
| 15 | 2.8 | 2.8 | 2.7 | 2.4 | 2.2 | 3.2 | 6.2 | 21 | 23 | 7.1 | 4.7 | 4.0 |
| 16 | 2.8 | 2.8 | 2.7 | 2.4 | 2.2 | 3.2 | 6.2 | 20 | 23 | 7.1 | 4.7 | 3.8 |
| 17 | 2.8 | 2.8 | 2.7 | 2.4 | 2.2 | 3.2 | 6.5 | 18 | 22 | 6.5 | 4.7 | 3.8 |
| 18 | 2.8 | 2.8 | 2.7 | 2.4 | 2.2 | 3.2 | 7.4 | 19 | 21 | 6.5 | 4.5 | 3.8 |
| 19 | 2.8 | 2.8 | 2.7 | 2.4 | 2.2 | 3.2 | 8.8 | 22 | 22 | 6.5 | 4.5 | 3.6 |
| 20 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 3.2 | 9.1 | 26 | 22 | 6.2 | 4.5 | 3.6 |
| 21 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 3.4 | 9.8 | 30 | 20 | 6.0 | 4.5 | 3.2 |
| 22 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 3.4 | 11 | 33 | 17 | 5.7 | 4.5 | 3.2 |
| 23 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 3.4 | 14 | 37 | 16 | 6.0 | 4.5 | 3.0 |
| 24 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 3.6 | 18 | 40 | 14 | 5.7 | 4.3 | 3.0 |
| 25 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 3.8 | 18 | 39 | 14 | 5.5 | 4.3 | 3.0 |
| 26 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 4.0 | 18 | 36 | 13 | 5.5 | 4.3 | 3.0 |
| 27 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 4.3 | 16 | 35 | 12 | 5.7 | 4.0 | 3.0 |
| 28 | 2.8 | 2.8 | 2.5 | 2.4 | 2.2 | 4.3 | 15 | 37 | 11 | 5.7 | 4.0 | 2.8 |
| 29 | 2.8 | 2.8 | 2.5 | 2.4 | --- | 4.5 | 13 | 38 | 10 | 5.7 | 3.8 | 2.7 |
| 30 | 2.8 | 2.8 | 2.5 | 2.4 | --- | 4.5 | 12 | 40 | 10 | 5.7 | 3.6 | 2.7 |
| 31 | 2.8 | --- | 2.5 | 2.4 | --- | 4.5 | --- | 38 | --- | 6.0 | 3.6 | --- |
| TOTAL | 86.8 | 84.0 | 82.2 | 75.5 | 62.0 | 97.5 | 260.5 | 760.7 | 660 | 216.0 | 149.9 | 105.5 |
| MEAN | 2.80 | 2.80 | 2.65 | 2.44 | 2.21 | 3.15 | 8.68 | 24.5 | 22.0 | 6.97 | 4.84 | 3.52 |
| AC-FT | 172 | 167 | 163 | 150 | 123 | 193 | 517 | 1510 | 1310 | 428 | 297 | 209 |
| MAX | 2.8 | 2.8 | 2.8 | 2.5 | 2.4 | 4.5 | 18 | 40 | 35 | 10 | 6.2 | 4.5 |
| MIN | 2.8 | 2.8 | 2.5 | 2.4 | 2.1 | 2.2 | 4.5 | 7.8 | 10 | 5.5 | 3.6 | 2.7 |

CAL YR 1988 TOTAL 2277.1 MEAN 6.22 MAX 36 MIN 2.1 AC-FT 4520
WTR YR 1989 TOTAL 2640.6 MEAN 7.23 MAX 40 MIN 2.1 AC-FT 5240

MAX DISCH 45 CFS AT 2100 24-MAY-1989 GH 1.23 FT. SHIFT +0.04 FT. MAX GH 1.23 FT. AT 2100 24-MAY-1989



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO (1990)

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Fryingspan River and 4.6 mi west of Meredith, Co.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder in a 42 in corrugated metal well with satellite telemetry mounted on top of Ruedi Dam. Control is v-notch, sharp crested weir. Datum of gage is 7,494.50 ft.

REMARKS.-- Records good except those for period of inaccurate or no gage-height record, which are poor. Beavers continue to plug inlet. Station malfunctioning from Oct. 12-Nov. 10, 14, 20, 1989; clock stopped Dec. 4-5, 30, 1989-Jan. 11, 20-24, 1990; station malfunctioning from Jan. 30-Feb. 11, 1990; Mar. 11-23; Apr. 2-17, 22-May 10, 14-June 7, 1990; clock stopped from July 11-16, 1990; inlet plugged from July 31-Aug. 6, 11-Sept. 30, 1990. Station maintained and records developed by Wayne I. Schieldt.

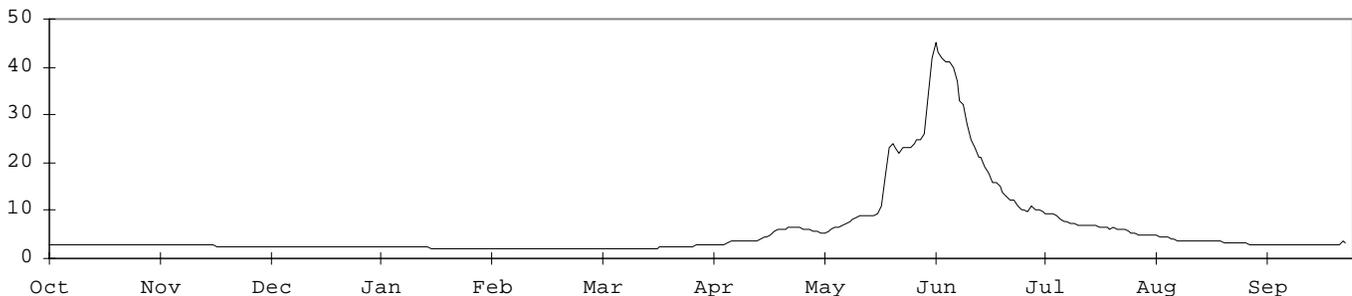
RATING TABLE.--RFCMERC001 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|-------|------|-------|-------|------|
| 1 | 2.5 | 2.8 | 2.5 | 2.4 | 2.2 | 2.1 | 2.7 | 6.2 | 24 | 10 | 5.2 | 3.2 |
| 2 | 2.7 | 2.7 | 2.5 | 2.4 | 2.2 | 2.1 | 2.7 | 6.0 | 25 | 10 | 5.2 | 3.2 |
| 3 | 2.7 | 2.7 | 2.5 | 2.4 | 2.2 | 2.1 | 2.7 | 6.2 | 25 | 9.8 | 5.0 | 3.0 |
| 4 | 2.8 | 2.7 | 2.5 | 2.4 | 2.2 | 2.1 | 2.8 | 5.5 | 26 | 11 | 5.0 | 3.0 |
| 5 | 2.8 | 2.7 | 2.5 | 2.4 | 2.2 | 2.1 | 2.8 | 5.5 | 34 | 10 | 5.0 | 3.0 |
| 6 | 2.8 | 2.7 | 2.5 | 2.4 | 2.2 | 2.1 | 2.8 | 5.2 | 42 | 10 | 4.7 | 2.8 |
| 7 | 2.8 | 2.7 | 2.5 | 2.4 | 2.2 | 2.1 | 2.8 | 5.2 | 45 | 9.8 | 4.7 | 2.8 |
| 8 | 3.0 | 2.7 | 2.5 | 2.4 | 2.2 | 2.1 | 2.8 | 5.5 | 43 | 9.5 | 4.7 | 2.8 |
| 9 | 3.0 | 2.7 | 2.5 | 2.4 | 2.2 | 2.1 | 3.0 | 6.0 | 42 | 9.5 | 4.5 | 2.8 |
| 10 | 3.0 | 2.7 | 2.5 | 2.4 | 2.2 | 2.1 | 3.2 | 6.5 | 41 | 9.5 | 4.3 | 2.8 |
| 11 | 3.0 | 2.7 | 2.5 | 2.4 | 2.2 | 2.1 | 3.6 | 6.5 | 41 | 8.8 | 4.3 | 2.8 |
| 12 | 2.8 | 2.7 | 2.4 | 2.4 | 2.2 | 2.1 | 3.6 | 6.8 | 40 | 8.1 | 4.0 | 2.8 |
| 13 | 2.7 | 2.7 | 2.4 | 2.4 | 2.2 | 2.1 | 3.6 | 7.4 | 37 | 7.8 | 4.0 | 2.8 |
| 14 | 2.7 | 2.7 | 2.4 | 2.4 | 2.2 | 2.1 | 3.6 | 7.6 | 33 | 7.8 | 3.8 | 2.8 |
| 15 | 2.7 | 2.7 | 2.4 | 2.4 | 2.2 | 2.1 | 3.6 | 8.0 | 32 | 7.4 | 3.8 | 2.8 |
| 16 | 2.7 | 2.7 | 2.4 | 2.4 | 2.2 | 2.1 | 3.6 | 8.4 | 28 | 7.4 | 3.8 | 3.0 |
| 17 | 2.8 | 2.7 | 2.4 | 2.2 | 2.2 | 2.1 | 3.8 | 8.8 | 25 | 7.1 | 3.8 | 3.0 |
| 18 | 2.8 | 2.5 | 2.4 | 2.2 | 2.2 | 2.1 | 3.8 | 9.1 | 23 | 7.1 | 3.8 | 3.0 |
| 19 | 2.8 | 2.5 | 2.4 | 2.2 | 2.2 | 2.1 | 4.0 | 9.0 | 21 | 6.8 | 3.8 | 3.0 |
| 20 | 2.7 | 2.5 | 2.4 | 2.2 | 2.2 | 2.2 | 4.3 | 9.0 | 21 | 6.8 | 3.8 | 3.0 |
| 21 | 2.7 | 2.4 | 2.4 | 2.2 | 2.2 | 2.2 | 4.5 | 8.8 | 19 | 6.8 | 3.8 | 3.0 |
| 22 | 2.7 | 2.5 | 2.4 | 2.2 | 2.2 | 2.3 | 5.0 | 9.5 | 18 | 6.8 | 3.8 | 3.0 |
| 23 | 2.7 | 2.5 | 2.4 | 2.2 | 2.2 | 2.3 | 5.5 | 11 | 16 | 6.5 | 3.8 | 3.0 |
| 24 | 2.8 | 2.5 | 2.4 | 2.2 | 2.2 | 2.4 | 6.0 | 17 | 16 | 6.5 | 3.8 | 3.0 |
| 25 | 2.8 | 2.5 | 2.4 | 2.2 | 2.2 | 2.4 | 6.0 | 23 | 15 | 6.5 | 3.6 | 3.0 |
| 26 | 2.8 | 2.5 | 2.4 | 2.2 | 2.1 | 2.5 | 6.0 | 24 | 14 | 6.2 | 3.6 | 3.0 |
| 27 | 2.8 | 2.5 | 2.4 | 2.2 | 2.1 | 2.5 | 6.5 | 23 | 13 | 6.5 | 3.4 | 3.0 |
| 28 | 2.8 | 2.5 | 2.4 | 2.2 | 2.1 | 2.5 | 6.5 | 22 | 12 | 6.2 | 3.4 | 3.0 |
| 29 | 2.8 | 2.5 | 2.4 | 2.2 | --- | 2.5 | 6.5 | 23 | 12 | 6.2 | 3.4 | 3.6 |
| 30 | 3.0 | 2.5 | 2.4 | 2.2 | --- | 2.5 | 6.5 | 23 | 11 | 6.0 | 3.4 | 3.4 |
| 31 | 2.8 | --- | 2.4 | 2.2 | --- | 2.5 | --- | 23 | --- | 5.5 | 3.2 | --- |
| TOTAL | 86.5 | 78.4 | 75.5 | 71.4 | 61.3 | 68.7 | 124.8 | 345.7 | 794 | 243.9 | 126.4 | 89.4 |
| MEAN | 2.79 | 2.61 | 2.44 | 2.30 | 2.19 | 2.22 | 4.16 | 11.2 | 26.5 | 7.87 | 4.08 | 2.98 |
| AC-FT | 172 | 156 | 150 | 142 | 122 | 136 | 248 | 686 | 1570 | 484 | 251 | 177 |
| MAX | 3.0 | 2.8 | 2.5 | 2.4 | 2.2 | 2.5 | 6.5 | 24 | 45 | 11 | 5.2 | 3.6 |
| MIN | 2.5 | 2.4 | 2.4 | 2.2 | 2.1 | 2.1 | 2.7 | 5.2 | 11 | 5.5 | 3.2 | 2.8 |

CAL YR 1989 TOTAL 2628.0 MEAN 7.20 MAX 40 MIN 2.1 AC-FT 5210
WTR YR 1990 TOTAL 2166.0 MEAN 5.93 MAX 45 MIN 2.1 AC-FT 4300

MAX DISCH 50 CFS AT 2200 07-JUN-1990 GH 1.35 FT. SHIFT -0.03 FT. MAX GH 1.35 FT. AT 2200 07-JUN-1990



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1980)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

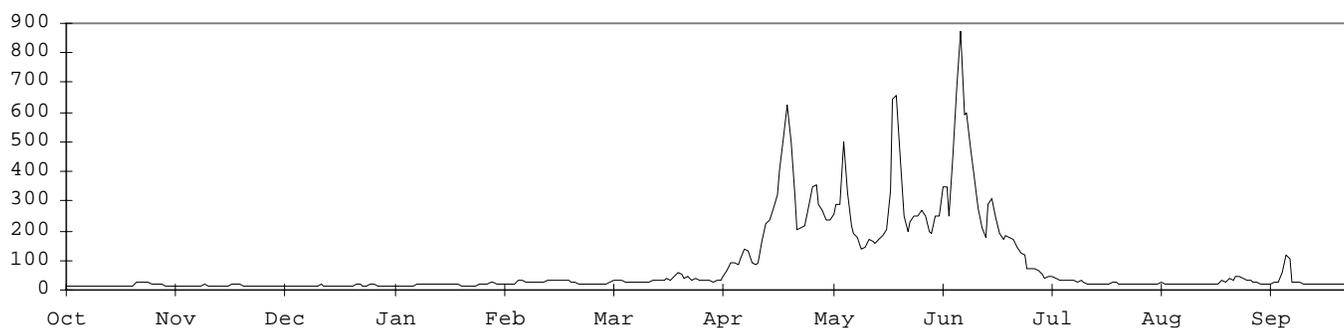
RATING TABLE.--RIOMOU002 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|------|------|------|------|------|-------|-------|-------|------|------|------|
| 1 | 14 | 14 | 11 | 12 | 20 | 20 | 27 | 288 | 200 | 70 | 21 | 26 |
| 2 | 14 | 13 | 12 | 14 | 20 | 20 | 35 | 268 | 190 | 64 | 21 | 24 |
| 3 | 13 | 13 | 14 | 13 | 20 | 25 | 31 | 239 | 250 | 55 | 21 | 22 |
| 4 | 12 | 13 | 14 | 13 | 21 | 35 | 44 | 236 | 250 | 40 | 21 | 20 |
| 5 | 13 | 13 | 14 | 12 | 22 | 32 | 67 | 258 | 350 | 45 | 21 | 20 |
| 6 | 13 | 14 | 14 | 12 | 30 | 30 | 90 | 288 | 350 | 45 | 23 | 21 |
| 7 | 12 | 14 | 14 | 14 | 30 | 28 | 92 | 292 | 250 | 40 | 20 | 28 |
| 8 | 12 | 15 | 15 | 17 | 28 | 26 | 88 | 502 | 450 | 35 | 20 | 26 |
| 9 | 11 | 17 | 15 | 19 | 25 | 25 | 105 | 330 | 684 | 35 | 22 | 56 |
| 10 | 10 | 16 | 15 | 20 | 25 | 25 | 139 | 219 | 874 | 35 | 20 | 121 |
| 11 | 10 | 15 | 16 | 19 | 25 | 28 | 134 | 189 | 590 | 31 | 20 | 106 |
| 12 | 10 | 14 | 17 | 20 | 25 | 26 | 92 | 175 | 597 | 30 | 20 | 24 |
| 13 | 9.9 | 14 | 14 | 22 | 25 | 25 | 86 | 139 | 484 | 28 | 20 | 23 |
| 14 | 9.9 | 15 | 12 | 22 | 30 | 28 | 90 | 142 | 380 | 32 | 20 | 23 |
| 15 | 11 | 16 | 13 | 22 | 35 | 35 | 164 | 173 | 276 | 26 | 22 | 22 |
| 16 | 11 | 16 | 14 | 19 | 35 | 36 | 222 | 161 | 210 | 20 | 20 | 22 |
| 17 | 11 | 18 | 14 | 19 | 35 | 31 | 236 | 159 | 195 | 20 | 20 | 22 |
| 18 | 11 | 18 | 14 | 19 | 35 | 33 | 276 | 173 | 288 | 20 | 20 | 22 |
| 19 | 11 | 18 | 14 | 22 | 35 | 40 | 325 | 184 | 310 | 21 | 19 | 22 |
| 20 | 12 | 16 | 14 | 19 | 33 | 36 | 400 | 204 | 246 | 20 | 19 | 22 |
| 21 | 25 | 13 | 16 | 16 | 25 | 45 | 514 | 332 | 189 | 20 | 19 | 21 |
| 22 | 23 | 12 | 17 | 16 | 23 | 61 | 625 | 646 | 173 | 21 | 19 | 21 |
| 23 | 24 | 12 | 17 | 16 | 20 | 50 | 502 | 660 | 181 | 25 | 32 | 21 |
| 24 | 27 | 12 | 15 | 16 | 18 | 39 | 315 | 450 | 175 | 26 | 23 | 20 |
| 25 | 22 | 14 | 15 | 16 | 18 | 44 | 201 | 250 | 173 | 22 | 40 | 20 |
| 26 | 19 | 14 | 17 | 18 | 18 | 34 | 210 | 200 | 145 | 22 | 32 | 20 |
| 27 | 18 | 14 | 17 | 22 | 20 | 39 | 219 | 230 | 127 | 22 | 49 | 19 |
| 28 | 17 | 11 | 13 | 22 | 20 | 33 | 284 | 250 | 116 | 20 | 44 | 19 |
| 29 | 16 | 11 | 14 | 24 | 20 | 31 | 345 | 250 | 75 | 20 | 41 | 18 |
| 30 | 16 | 11 | 15 | 26 | --- | 31 | 355 | 270 | 72 | 20 | 32 | 17 |
| 31 | 16 | --- | 14 | 22 | --- | 35 | --- | 250 | --- | 20 | 30 | --- |
| TOTAL | 453.8 | 426 | 450 | 563 | 736 | 1026 | 6313 | 8407 | 8850 | 950 | 771 | 868 |
| MEAN | 14.6 | 14.2 | 14.5 | 18.2 | 25.4 | 33.1 | 210 | 271 | 295 | 30.6 | 24.9 | 28.9 |
| AC-FT | 900 | 845 | 893 | 1120 | 1460 | 2040 | 12520 | 16680 | 17550 | 1880 | 1530 | 1720 |
| MAX | 27 | 18 | 17 | 26 | 35 | 61 | 625 | 660 | 874 | 70 | 49 | 121 |
| MIN | 9.9 | 11 | 11 | 12 | 18 | 20 | 27 | 139 | 72 | 20 | 19 | 17 |

CAL YR 1979 TOTAL 45872.8 MEAN 126 MAX 1100 MIN 9.9 AC-FT 90990
WTR YR 1980 TOTAL 29813.8 MEAN 81.5 MAX 874 MIN 9.9 AC-FT 59140

MAX DISCH 1272 CFS AT 2330 09-JUN-1980 GH 4.21 FT. SHIFT 0.05 FT. MAX GH 4.21 FT. AT 2330 09-JUN-1980



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1981)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

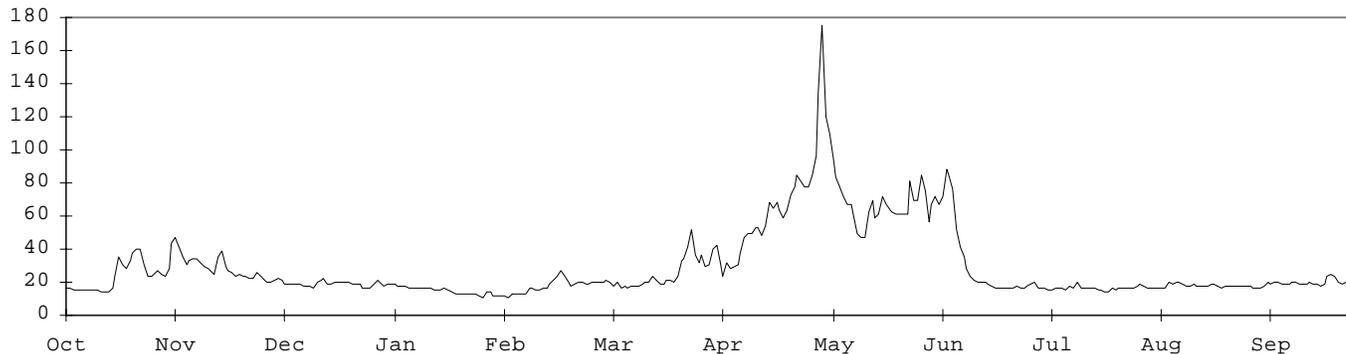
RATING TABLE.--RIOMOUCO02 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 17 | 47 | 21 | 19 | 12 | 20 | 31 | 97 | 75 | 19 | 19 | 18 |
| 2 | 16 | 41 | 19 | 19 | 12 | 20 | 40 | 134 | 56 | 20 | 18 | 17 |
| 3 | 15 | 35 | 19 | 18 | 11 | 21 | 42 | 175 | 67 | 17 | 17 | 17 |
| 4 | 15 | 31 | 19 | 18 | 13 | 20 | 31 | 120 | 72 | 16 | 16 | 16 |
| 5 | 15 | 33 | 19 | 18 | 13 | 18 | 24 | 109 | 67 | 16 | 16 | 18 |
| 6 | 15 | 34 | 19 | 16 | 13 | 20 | 32 | 93 | 72 | 15 | 16 | 20 |
| 7 | 15 | 34 | 18 | 16 | 13 | 17 | 28 | 83 | 88 | 15 | 17 | 19 |
| 8 | 15 | 32 | 18 | 16 | 13 | 18 | 30 | 78 | 85 | 16 | 17 | 20 |
| 9 | 15 | 30 | 18 | 16 | 17 | 17 | 31 | 72 | 76 | 16 | 20 | 20 |
| 10 | 15 | 28 | 16 | 16 | 17 | 18 | 38 | 67 | 52 | 16 | 19 | 19 |
| 11 | 14 | 27 | 20 | 16 | 15 | 18 | 47 | 67 | 41 | 15 | 20 | 19 |
| 12 | 14 | 25 | 21 | 16 | 15 | 18 | 50 | 61 | 35 | 18 | 20 | 19 |
| 13 | 14 | 35 | 22 | 15 | 16 | 19 | 49 | 50 | 28 | 16 | 19 | 20 |
| 14 | 17 | 39 | 19 | 15 | 17 | 20 | 53 | 47 | 24 | 20 | 18 | 20 |
| 15 | 24 | 29 | 19 | 15 | 19 | 20 | 53 | 47 | 21 | 17 | 18 | 19 |
| 16 | 35 | 27 | 20 | 16 | 21 | 23 | 48 | 62 | 20 | 17 | 19 | 19 |
| 17 | 31 | 26 | 20 | 15 | 24 | 21 | 54 | 70 | 20 | 17 | 18 | 19 |
| 18 | 28 | 24 | 20 | 14 | 27 | 19 | 68 | 59 | 20 | 17 | 18 | 20 |
| 19 | 33 | 25 | 20 | 13 | 23 | 19 | 65 | 61 | 19 | 16 | 18 | 19 |
| 20 | 38 | 23 | 20 | 13 | 20 | 21 | 68 | 72 | 18 | 15 | 18 | 19 |
| 21 | 40 | 23 | 19 | 13 | 18 | 21 | 64 | 67 | 17 | 15 | 19 | 18 |
| 22 | 40 | 22 | 19 | 13 | 19 | 20 | 59 | 64 | 16 | 14 | 19 | 19 |
| 23 | 31 | 22 | 19 | 13 | 20 | 24 | 64 | 62 | 17 | 14 | 18 | 24 |
| 24 | 24 | 26 | 16 | 13 | 20 | 33 | 73 | 61 | 16 | 16 | 17 | 25 |
| 25 | 24 | 24 | 16 | 13 | 19 | 34 | 78 | 61 | 17 | 15 | 18 | 24 |
| 26 | 25 | 21 | 17 | 12 | 19 | 41 | 85 | 61 | 17 | 16 | 18 | 20 |
| 27 | 27 | 20 | 19 | 11 | 20 | 52 | 81 | 61 | 18 | 16 | 18 | 19 |
| 28 | 25 | 20 | 21 | 14 | 20 | 36 | 78 | 81 | 17 | 16 | 18 | 20 |
| 29 | 23 | 21 | 20 | 14 | --- | 32 | 78 | 70 | 17 | 17 | 18 | 24 |
| 30 | 28 | 22 | 18 | 12 | --- | 37 | 85 | 70 | 18 | 17 | 18 | 24 |
| 31 | 44 | --- | 19 | 12 | --- | 30 | --- | 85 | --- | 18 | 18 | --- |
| TOTAL | 732 | 846 | 590 | 460 | 486 | 747 | 1627 | 2367 | 1126 | 508 | 560 | 594 |
| MEAN | 23.6 | 28.2 | 19.0 | 14.8 | 17.4 | 24.1 | 54.2 | 76.4 | 37.5 | 16.4 | 18.1 | 19.8 |
| AC-FT | 1450 | 1680 | 1170 | 912 | 964 | 1480 | 3230 | 4690 | 2230 | 1010 | 1110 | 1180 |
| MAX | 44 | 47 | 22 | 19 | 27 | 52 | 85 | 175 | 88 | 20 | 20 | 25 |
| MIN | 14 | 20 | 16 | 11 | 11 | 17 | 24 | 47 | 16 | 14 | 16 | 16 |

CAL YR 1980 TOTAL 30652 MEAN 83.7 MAX 874 MIN 12 AC-FT 60800
WTR YR 1981 TOTAL 10643 MEAN 29.2 MAX 175 MIN 11 AC-FT 21110

MAX DISCH 330 CFS AT 1130 03-MAY-1981 GH 2.93 FT. SHIFT 0.13 FT. MAX GH 2.93 FT. AT 1130 03-MAY-1981



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1982)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

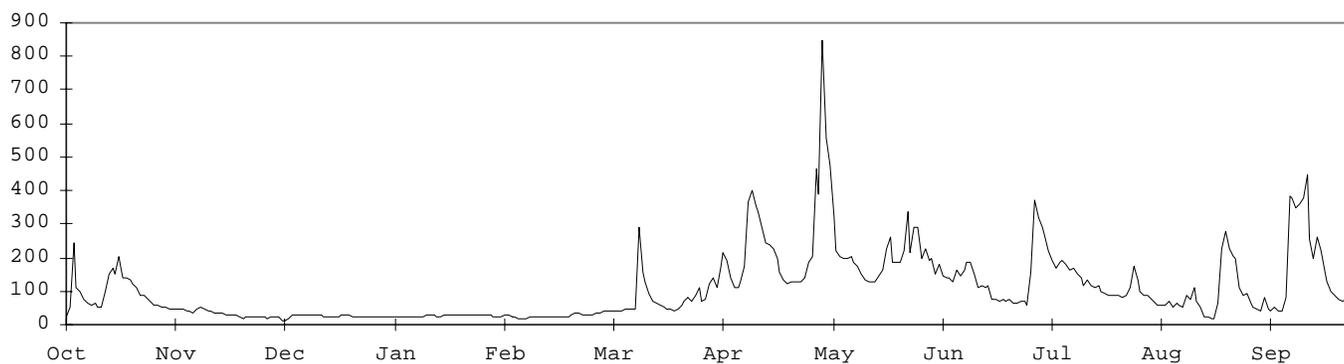
RATING TABLE.--RIOMOU002 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|-------|------|------|------|------|
| 1 | 23 | 44 | 13 | 24 | 26 | 36 | 120 | 466 | 225 | 154 | 98 | 64 |
| 2 | 55 | 45 | 14 | 24 | 27 | 40 | 137 | 390 | 192 | 370 | 86 | 52 |
| 3 | 242 | 45 | 20 | 23 | 28 | 40 | 111 | 847 | 195 | 320 | 88 | 45 |
| 4 | 113 | 41 | 28 | 22 | 24 | 38 | 175 | 555 | 150 | 292 | 75 | 42 |
| 5 | 99 | 40 | 30 | 22 | 22 | 38 | 216 | 478 | 178 | 268 | 65 | 82 |
| 6 | 76 | 37 | 28 | 24 | 18 | 40 | 189 | 325 | 145 | 222 | 59 | 47 |
| 7 | 65 | 45 | 30 | 24 | 18 | 42 | 142 | 222 | 137 | 192 | 58 | 41 |
| 8 | 58 | 50 | 30 | 24 | 20 | 46 | 113 | 204 | 139 | 167 | 58 | 53 |
| 9 | 64 | 47 | 30 | 24 | 22 | 46 | 113 | 195 | 127 | 187 | 67 | 39 |
| 10 | 54 | 42 | 28 | 26 | 24 | 46 | 127 | 195 | 164 | 189 | 52 | 39 |
| 11 | 53 | 39 | 28 | 28 | 24 | 46 | 173 | 201 | 147 | 181 | 61 | 83 |
| 12 | 101 | 37 | 28 | 27 | 22 | 292 | 365 | 187 | 164 | 164 | 57 | 381 |
| 13 | 153 | 34 | 26 | 27 | 22 | 159 | 400 | 175 | 184 | 170 | 50 | 375 |
| 14 | 170 | 33 | 26 | 26 | 22 | 125 | 355 | 153 | 187 | 153 | 88 | 350 |
| 15 | 153 | 31 | 26 | 26 | 24 | 92 | 335 | 134 | 153 | 137 | 76 | 360 |
| 16 | 204 | 30 | 26 | 27 | 23 | 68 | 288 | 127 | 113 | 115 | 108 | 380 |
| 17 | 137 | 29 | 24 | 27 | 23 | 61 | 242 | 127 | 115 | 132 | 67 | 446 |
| 18 | 137 | 28 | 28 | 28 | 23 | 58 | 239 | 129 | 113 | 117 | 52 | 256 |
| 19 | 132 | 22 | 30 | 28 | 23 | 52 | 225 | 145 | 115 | 109 | 24 | 198 |
| 20 | 122 | 20 | 28 | 28 | 25 | 46 | 198 | 161 | 78 | 115 | 21 | 259 |
| 21 | 109 | 22 | 25 | 27 | 30 | 44 | 159 | 225 | 78 | 101 | 20 | 219 |
| 22 | 90 | 22 | 23 | 27 | 35 | 40 | 132 | 260 | 70 | 93 | 20 | 159 |
| 23 | 85 | 21 | 21 | 27 | 32 | 45 | 122 | 187 | 76 | 90 | 65 | 125 |
| 24 | 76 | 22 | 23 | 27 | 30 | 56 | 127 | 184 | 72 | 86 | 229 | 101 |
| 25 | 64 | 22 | 25 | 28 | 28 | 68 | 125 | 187 | 76 | 86 | 276 | 86 |
| 26 | 57 | 22 | 25 | 28 | 28 | 83 | 125 | 219 | 61 | 90 | 228 | 78 |
| 27 | 57 | 16 | 25 | 28 | 30 | 70 | 125 | 335 | 61 | 80 | 202 | 68 |
| 28 | 53 | 21 | 24 | 27 | 34 | 86 | 139 | 213 | 68 | 86 | 195 | 73 |
| 29 | 52 | 24 | 25 | 28 | --- | 113 | 184 | 288 | 67 | 109 | 109 | 68 |
| 30 | 47 | 22 | 24 | 26 | --- | 68 | 201 | 288 | 56 | 176 | 90 | 266 |
| 31 | 45 | --- | 24 | 26 | --- | 73 | --- | 195 | --- | 132 | 93 | --- |
| TOTAL | 2946 | 953 | 785 | 808 | 707 | 2157 | 5702 | 7997 | 3706 | 4883 | 2837 | 4835 |
| MEAN | 95.0 | 31.8 | 25.3 | 26.1 | 25.3 | 69.6 | 190 | 258 | 124 | 158 | 91.5 | 161 |
| AC-FT | 5840 | 1890 | 1560 | 1600 | 1400 | 4280 | 11310 | 15860 | 7350 | 9690 | 5630 | 9590 |
| MAX | 242 | 50 | 30 | 28 | 35 | 292 | 400 | 847 | 225 | 370 | 276 | 446 |
| MIN | 23 | 16 | 13 | 22 | 18 | 36 | 111 | 127 | 56 | 80 | 20 | 39 |

| | | | | | | | | | |
|-------------------|-------|------|------|-----|-----|-----|----|-------|-------|
| CAL YR 1981 TOTAL | 13159 | MEAN | 36.1 | MAX | 242 | MIN | 11 | AC-FT | 26100 |
| WTR YR 1982 TOTAL | 38316 | MEAN | 105 | MAX | 847 | MIN | 13 | AC-FT | 76000 |

MAX DISCH 1372 CFS AT 0300 03-MAY-1982 GH 4.29 FT. SHIFT 0.05 FT. MAX GH 4.29 FT. AT 0300 03-MAY-1982



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1983)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

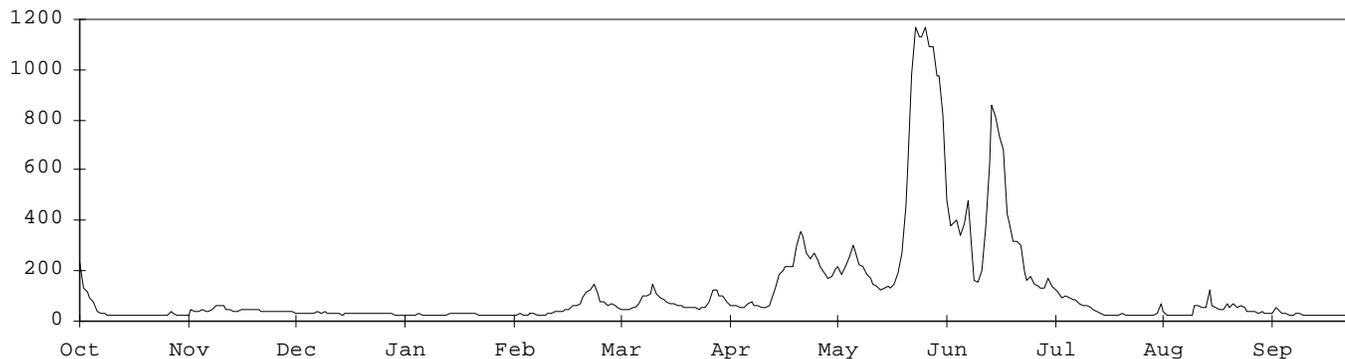
RATING TABLE.--RIOMOU002 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|------|------|------|
| 1 | 232 | 26 | 36 | 22 | 26 | 65 | 120 | 216 | 1090 | 147 | 20 | 38 |
| 2 | 134 | 47 | 34 | 22 | 26 | 72 | 99 | 195 | 1090 | 142 | 27 | 36 |
| 3 | 113 | 38 | 28 | 24 | 24 | 64 | 99 | 167 | 973 | 129 | 25 | 34 |
| 4 | 95 | 40 | 33 | 24 | 28 | 52 | 76 | 181 | 973 | 129 | 23 | 35 |
| 5 | 76 | 44 | 31 | 26 | 26 | 48 | 62 | 210 | 824 | 173 | 30 | 34 |
| 6 | 40 | 42 | 29 | 28 | 24 | 50 | 61 | 216 | 478 | 142 | 66 | 30 |
| 7 | 30 | 42 | 34 | 26 | 30 | 50 | 62 | 184 | 380 | 125 | 40 | 28 |
| 8 | 28 | 44 | 36 | 26 | 28 | 58 | 57 | 213 | 395 | 113 | 24 | 51 |
| 9 | 26 | 61 | 34 | 26 | 26 | 57 | 55 | 256 | 406 | 95 | 23 | 38 |
| 10 | 26 | 61 | 36 | 24 | 24 | 70 | 67 | 305 | 340 | 97 | 21 | 30 |
| 11 | 26 | 61 | 34 | 24 | 24 | 97 | 75 | 276 | 385 | 95 | 23 | 28 |
| 12 | 26 | 45 | 32 | 26 | 28 | 103 | 59 | 225 | 478 | 86 | 22 | 25 |
| 13 | 26 | 49 | 30 | 26 | 32 | 111 | 61 | 213 | 260 | 88 | 20 | 23 |
| 14 | 26 | 42 | 30 | 26 | 36 | 147 | 56 | 189 | 164 | 72 | 20 | 28 |
| 15 | 27 | 41 | 24 | 28 | 38 | 109 | 54 | 173 | 153 | 60 | 24 | 29 |
| 16 | 26 | 45 | 28 | 30 | 40 | 91 | 61 | 150 | 201 | 60 | 64 | 25 |
| 17 | 25 | 46 | 28 | 34 | 44 | 86 | 83 | 137 | 375 | 55 | 61 | 21 |
| 18 | 25 | 45 | 30 | 32 | 50 | 81 | 129 | 122 | 625 | 45 | 58 | 21 |
| 19 | 25 | 50 | 32 | 32 | 64 | 73 | 184 | 129 | 856 | 35 | 54 | 20 |
| 20 | 24 | 50 | 32 | 34 | 60 | 70 | 204 | 137 | 812 | 30 | 120 | 21 |
| 21 | 24 | 45 | 32 | 28 | 66 | 62 | 219 | 134 | 732 | 25 | 64 | 21 |
| 22 | 24 | 42 | 32 | 30 | 90 | 64 | 215 | 147 | 684 | 24 | 56 | 21 |
| 23 | 24 | 41 | 30 | 26 | 115 | 57 | 219 | 192 | 424 | 25 | 50 | 20 |
| 24 | 24 | 39 | 32 | 24 | 125 | 57 | 301 | 272 | 397 | 24 | 46 | 20 |
| 25 | 24 | 38 | 30 | 26 | 145 | 53 | 355 | 458 | 315 | 24 | 69 | 20 |
| 26 | 25 | 36 | 32 | 24 | 107 | 53 | 340 | 623 | 315 | 29 | 58 | 20 |
| 27 | 37 | 39 | 32 | 24 | 81 | 46 | 272 | 984 | 305 | 24 | 70 | 20 |
| 28 | 29 | 36 | 30 | 24 | 76 | 57 | 244 | 1170 | 192 | 23 | 56 | 22 |
| 29 | 26 | 37 | 28 | 24 | --- | 52 | 268 | 1130 | 165 | 21 | 63 | 20 |
| 30 | 27 | 39 | 26 | 24 | --- | 78 | 242 | 1130 | 175 | 20 | 53 | 535 |
| 31 | 26 | --- | 24 | 24 | --- | 125 | --- | 1170 | --- | 26 | 42 | --- |
| TOTAL | 1346 | 1311 | 959 | 818 | 1483 | 2258 | 4399 | 11304 | 14962 | 2183 | 1392 | 1314 |
| MEAN | 43.4 | 43.7 | 30.9 | 26.4 | 53.0 | 72.8 | 147 | 365 | 499 | 70.4 | 44.9 | 43.8 |
| AC-FT | 2670 | 2600 | 1900 | 1620 | 2940 | 4480 | 8730 | 22420 | 29680 | 4330 | 2760 | 2610 |
| MAX | 232 | 61 | 36 | 34 | 145 | 147 | 355 | 1170 | 1090 | 173 | 120 | 535 |
| MIN | 24 | 26 | 24 | 22 | 24 | 46 | 54 | 122 | 153 | 20 | 20 | 20 |

CAL YR 1982 TOTAL 37248 MEAN 102 MAX 847 MIN 18 AC-FT 73880
WTR YR 1983 TOTAL 43729 MEAN 120 MAX 1170 MIN 20 AC-FT 86740

MAX DISCH 1660 CFS AT 0300 28-MAY-1983 GH 4.50 FT. SHIFT 0.04 FT. MAX GH 4.50 FT. AT 0300 28-MAY-1983



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1984)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

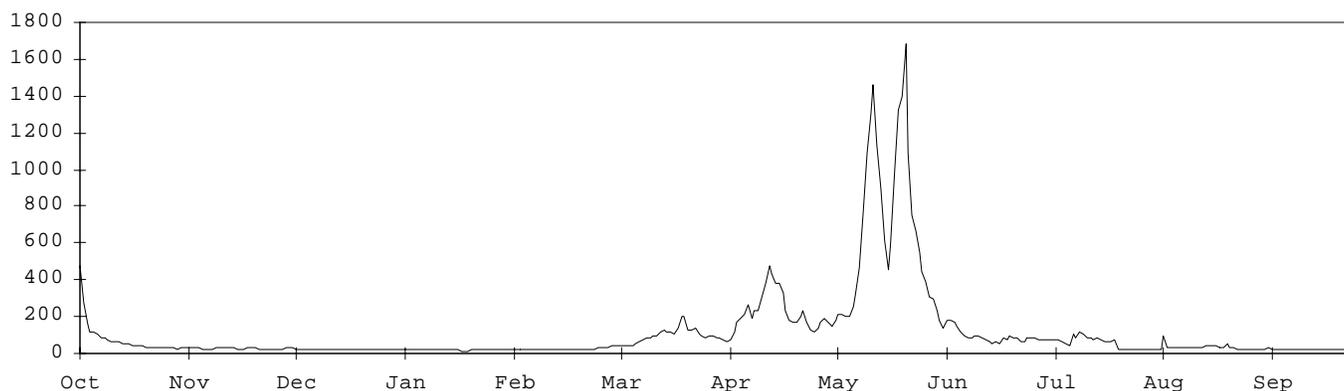
RATING TABLE.--RIOMOU002 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|-------|------|------|------|------|
| 1 | 472 | 29 | 30 | 18 | 22 | 38 | 86 | 187 | 292 | 79 | 19 | 24 |
| 2 | 276 | 29 | 24 | 18 | 22 | 40 | 76 | 170 | 228 | 76 | 21 | 25 |
| 3 | 161 | 28 | 24 | 18 | 24 | 46 | 65 | 150 | 181 | 76 | 24 | 24 |
| 4 | 115 | 27 | 22 | 18 | 24 | 44 | 76 | 184 | 142 | 75 | 22 | 23 |
| 5 | 120 | 26 | 22 | 20 | 24 | 42 | 115 | 210 | 181 | 75 | 25 | 28 |
| 6 | 101 | 24 | 20 | 20 | 24 | 44 | 170 | 207 | 184 | 75 | 99 | 24 |
| 7 | 88 | 23 | 20 | 20 | 26 | 46 | 187 | 198 | 167 | 76 | 35 | 24 |
| 8 | 81 | 24 | 20 | 22 | 26 | 52 | 210 | 198 | 147 | 67 | 31 | 22 |
| 9 | 75 | 27 | 22 | 22 | 24 | 60 | 268 | 250 | 113 | 56 | 29 | 21 |
| 10 | 68 | 28 | 22 | 20 | 24 | 70 | 189 | 322 | 92 | 47 | 31 | 21 |
| 11 | 68 | 29 | 24 | 20 | 24 | 80 | 232 | 462 | 86 | 109 | 28 | 22 |
| 12 | 59 | 28 | 24 | 18 | 24 | 88 | 228 | 759 | 90 | 90 | 30 | 24 |
| 13 | 54 | 28 | 24 | 18 | 24 | 95 | 305 | 1090 | 92 | 112 | 27 | 24 |
| 14 | 53 | 30 | 22 | 20 | 24 | 97 | 385 | 1300 | 95 | 107 | 28 | 25 |
| 15 | 49 | 23 | 22 | 18 | 24 | 117 | 478 | 1460 | 89 | 81 | 28 | 24 |
| 16 | 47 | 24 | 22 | 16 | 22 | 132 | 432 | 1130 | 78 | 80 | 28 | 25 |
| 17 | 44 | 25 | 24 | 16 | 22 | 120 | 380 | 901 | 62 | 76 | 29 | 25 |
| 18 | 40 | 30 | 24 | 14 | 22 | 117 | 385 | 618 | 58 | 81 | 44 | 25 |
| 19 | 39 | 28 | 26 | 12 | 22 | 105 | 325 | 460 | 64 | 75 | 47 | 25 |
| 20 | 37 | 29 | 20 | 14 | 22 | 142 | 228 | 590 | 58 | 65 | 43 | 25 |
| 21 | 35 | 25 | 20 | 16 | 22 | 198 | 184 | 965 | 81 | 64 | 39 | 25 |
| 22 | 32 | 19 | 20 | 18 | 24 | 204 | 167 | 1320 | 78 | 61 | 28 | 25 |
| 23 | 31 | 26 | 20 | 18 | 24 | 129 | 170 | 1400 | 92 | 69 | 37 | 25 |
| 24 | 30 | 24 | 20 | 18 | 24 | 125 | 201 | 1680 | 90 | 24 | 50 | 25 |
| 25 | 30 | 26 | 20 | 18 | 26 | 137 | 228 | 1090 | 86 | 22 | 34 | 25 |
| 26 | 29 | 22 | 22 | 18 | 28 | 107 | 173 | 756 | 68 | 21 | 30 | 25 |
| 27 | 28 | 20 | 24 | 18 | 30 | 97 | 129 | 668 | 59 | 21 | 24 | 25 |
| 28 | 28 | 20 | 24 | 18 | 34 | 88 | 117 | 548 | 82 | 22 | 23 | 26 |
| 29 | 26 | 28 | 20 | 20 | 36 | 97 | 134 | 442 | 81 | 24 | 25 | 21 |
| 30 | 27 | 30 | 20 | 20 | --- | 95 | 167 | 395 | 81 | 19 | 22 | 26 |
| 31 | 28 | --- | 18 | 20 | --- | 83 | --- | 305 | --- | 19 | 23 | --- |
| TOTAL | 2371 | 779 | 686 | 564 | 718 | 2935 | 6490 | 20415 | 3297 | 1944 | 1003 | 728 |
| MEAN | 76.5 | 26.0 | 22.1 | 18.2 | 24.8 | 94.7 | 216 | 659 | 110 | 62.7 | 32.4 | 24.3 |
| AC-FT | 4700 | 1550 | 1360 | 1120 | 1420 | 5820 | 12870 | 40490 | 6540 | 3860 | 1990 | 1440 |
| MAX | 472 | 30 | 30 | 22 | 36 | 204 | 478 | 1680 | 292 | 112 | 99 | 28 |
| MIN | 26 | 19 | 18 | 12 | 22 | 38 | 65 | 150 | 58 | 19 | 19 | 21 |

| | | | | | | | | | |
|-------------------|-------|------|-----|-----|------|-----|----|-------|-------|
| CAL YR 1983 TOTAL | 43949 | MEAN | 120 | MAX | 1170 | MIN | 18 | AC-FT | 87170 |
| WTR YR 1984 TOTAL | 41930 | MEAN | 115 | MAX | 1680 | MIN | 12 | AC-FT | 83170 |

MAX DISCH 2520 CFS AT 0100 24-MAY-1984 GH 4.98 FT. SHIFT 0.08 FT. MAX GH 4.98 FT. AT 0100 24-MAY-1984



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1985)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

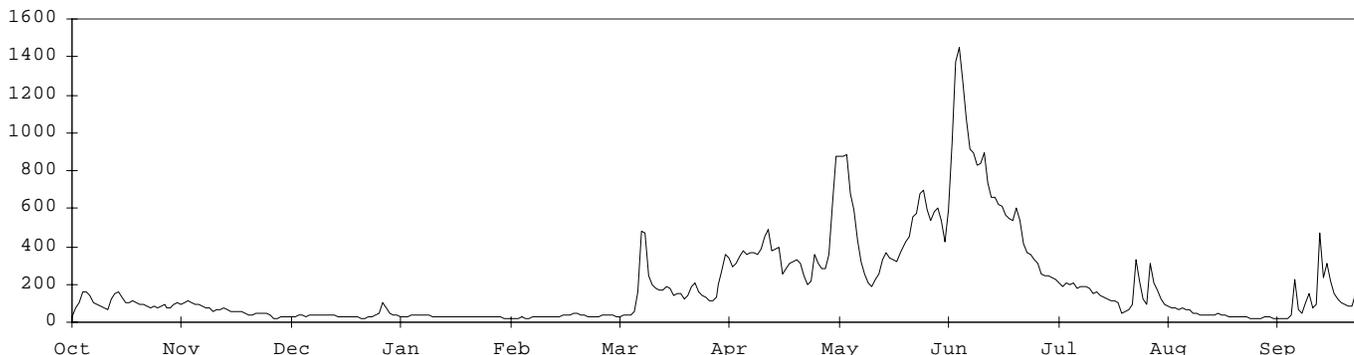
RATING TABLE.--RIOMOUCO02 USED FROM 01-OCT-1984 TO 8-MAY-1985
 RIOMOUCO03 USED FROM 09-MAY-1985 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
 MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|
| 1 | 28 | 95 | 30 | 36 | 20 | 36 | 136 | 284 | 538 | 314 | 95 | 19 |
| 2 | 80 | 107 | 30 | 32 | 18 | 38 | 196 | 278 | 580 | 252 | 308 | 19 |
| 3 | 105 | 109 | 32 | 28 | 20 | 36 | 269 | 353 | 604 | 245 | 208 | 24 |
| 4 | 164 | 103 | 34 | 32 | 22 | 32 | 355 | 632 | 538 | 248 | 170 | 25 |
| 5 | 161 | 97 | 34 | 34 | 24 | 30 | 340 | 874 | 425 | 238 | 121 | 25 |
| 6 | 139 | 97 | 32 | 34 | 20 | 36 | 288 | 874 | 592 | 225 | 95 | 20 |
| 7 | 99 | 85 | 34 | 40 | 16 | 39 | 315 | 874 | 946 | 210 | 82 | 19 |
| 8 | 93 | 78 | 34 | 40 | 26 | 38 | 350 | 882 | 1370 | 192 | 71 | 22 |
| 9 | 86 | 72 | 34 | 36 | 28 | 56 | 380 | 676 | 1450 | 204 | 71 | 22 |
| 10 | 76 | 54 | 34 | 34 | 26 | 157 | 355 | 592 | 1270 | 201 | 70 | 20 |
| 11 | 70 | 62 | 36 | 28 | 24 | 478 | 370 | 430 | 1070 | 204 | 71 | 42 |
| 12 | 118 | 65 | 34 | 26 | 26 | 466 | 365 | 318 | 914 | 176 | 70 | 226 |
| 13 | 147 | 72 | 36 | 26 | 26 | 246 | 360 | 258 | 890 | 184 | 65 | 65 |
| 14 | 161 | 67 | 34 | 28 | 24 | 198 | 385 | 204 | 826 | 189 | 47 | 48 |
| 15 | 129 | 58 | 32 | 28 | 25 | 178 | 451 | 192 | 834 | 184 | 45 | 106 |
| 16 | 105 | 57 | 30 | 24 | 32 | 170 | 490 | 225 | 898 | 178 | 41 | 155 |
| 17 | 105 | 58 | 30 | 24 | 36 | 170 | 380 | 258 | 735 | 154 | 37 | 76 |
| 18 | 115 | 54 | 30 | 24 | 36 | 184 | 390 | 334 | 658 | 158 | 34 | 90 |
| 19 | 105 | 49 | 30 | 26 | 40 | 175 | 400 | 366 | 658 | 142 | 36 | 472 |
| 20 | 95 | 42 | 28 | 28 | 50 | 139 | 256 | 338 | 622 | 129 | 34 | 232 |
| 21 | 90 | 39 | 26 | 28 | 46 | 147 | 280 | 330 | 610 | 121 | 44 | 308 |
| 22 | 81 | 47 | 20 | 28 | 40 | 150 | 315 | 318 | 562 | 110 | 35 | 213 |
| 23 | 80 | 47 | 22 | 28 | 36 | 125 | 322 | 370 | 544 | 110 | 34 | 151 |
| 24 | 81 | 47 | 28 | 28 | 32 | 139 | 325 | 388 | 532 | 101 | 32 | 123 |
| 25 | 78 | 48 | 30 | 26 | 30 | 189 | 315 | 420 | 598 | 49 | 30 | 102 |
| 26 | 85 | 39 | 36 | 24 | 30 | 204 | 246 | 450 | 532 | 60 | 29 | 90 |
| 27 | 95 | 20 | 50 | 26 | 30 | 161 | 202 | 556 | 410 | 70 | 27 | 82 |
| 28 | 80 | 22 | 100 | 26 | 34 | 145 | 221 | 574 | 370 | 92 | 25 | 83 |
| 29 | 75 | 26 | 80 | 24 | --- | 132 | 357 | 682 | 354 | 326 | 26 | 151 |
| 30 | 92 | 26 | 50 | 24 | --- | 111 | 307 | 694 | 334 | 215 | 22 | 104 |
| 31 | 101 | --- | 40 | 22 | --- | 111 | --- | 592 | --- | 123 | 21 | --- |
| TOTAL | 3119 | 1842 | 1130 | 892 | 817 | 4516 | 9721 | 14616 | 21264 | 5404 | 2096 | 3134 |
| MEAN | 101 | 61.4 | 36.5 | 28.8 | 29.2 | 146 | 324 | 471 | 709 | 174 | 67.6 | 104 |
| AC-FT | 6190 | 3650 | 2240 | 1770 | 1620 | 8960 | 19280 | 28990 | 42180 | 10720 | 4160 | 6220 |
| MAX | 164 | 109 | 100 | 40 | 50 | 478 | 490 | 882 | 1450 | 326 | 308 | 472 |
| MIN | 28 | 20 | 20 | 22 | 16 | 30 | 136 | 192 | 334 | 49 | 21 | 19 |

CAL YR 1984 TOTAL 44185 MEAN 121 MAX 1680 MIN 12 AC-FT 87640
 WTR YR 1985 TOTAL 68551 MEAN 188 MAX 1450 MIN 16 AC-FT 136000

MAX DISCH 1960 CFS AT 0100 09-JUN-1985 GH 4.75 FT. SHIFT -0.01 FT. MAX GH 4.75 FT. AT 0100 09-JUN-1985



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1986)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

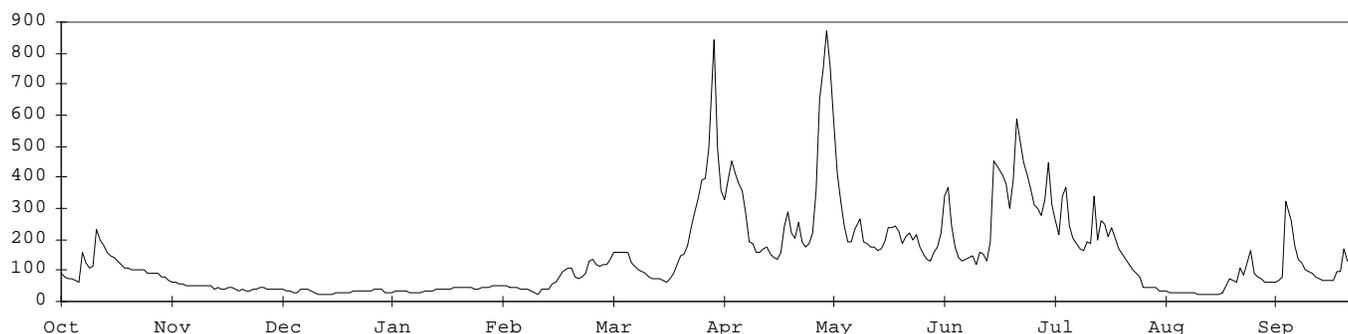
RATING TABLE.--RIOMOUCO03 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|
| 1 | 88 | 65 | 40 | 30 | 50 | 115 | 492 | 354 | 136 | 314 | 47 | 93 |
| 2 | 80 | 60 | 40 | 30 | 50 | 121 | 842 | 652 | 132 | 298 | 47 | 80 |
| 3 | 76 | 55 | 35 | 35 | 50 | 121 | 492 | 749 | 158 | 279 | 48 | 71 |
| 4 | 71 | 55 | 35 | 35 | 45 | 136 | 354 | 874 | 176 | 326 | 47 | 65 |
| 5 | 67 | 50 | 30 | 35 | 45 | 158 | 330 | 756 | 219 | 450 | 33 | 65 |
| 6 | 64 | 50 | 30 | 35 | 45 | 160 | 392 | 580 | 337 | 310 | 33 | 65 |
| 7 | 158 | 50 | 40 | 30 | 40 | 160 | 455 | 415 | 366 | 262 | 35 | 65 |
| 8 | 127 | 50 | 40 | 30 | 40 | 158 | 415 | 322 | 245 | 213 | 31 | 67 |
| 9 | 110 | 50 | 40 | 30 | 40 | 160 | 379 | 242 | 178 | 342 | 29 | 80 |
| 10 | 113 | 50 | 35 | 30 | 35 | 127 | 354 | 192 | 142 | 366 | 29 | 322 |
| 11 | 231 | 50 | 30 | 35 | 30 | 113 | 283 | 192 | 129 | 242 | 29 | 259 |
| 12 | 200 | 50 | 25 | 35 | 25 | 104 | 192 | 232 | 134 | 201 | 28 | 180 |
| 13 | 180 | 40 | 20 | 35 | 40 | 95 | 189 | 266 | 144 | 184 | 28 | 134 |
| 14 | 160 | 45 | 25 | 40 | 40 | 90 | 160 | 195 | 147 | 170 | 30 | 125 |
| 15 | 150 | 40 | 25 | 40 | 40 | 80 | 156 | 187 | 119 | 165 | 29 | 104 |
| 16 | 140 | 40 | 25 | 40 | 55 | 74 | 170 | 173 | 156 | 192 | 24 | 97 |
| 17 | 130 | 45 | 30 | 40 | 60 | 76 | 178 | 176 | 151 | 187 | 22 | 92 |
| 18 | 120 | 45 | 30 | 40 | 80 | 72 | 154 | 165 | 132 | 342 | 24 | 80 |
| 19 | 110 | 40 | 30 | 45 | 95 | 69 | 140 | 170 | 194 | 198 | 24 | 71 |
| 20 | 110 | 35 | 30 | 45 | 110 | 65 | 138 | 195 | 455 | 260 | 23 | 70 |
| 21 | 100 | 40 | 30 | 45 | 110 | 76 | 156 | 238 | 435 | 248 | 23 | 68 |
| 22 | 100 | 35 | 35 | 45 | 82 | 90 | 245 | 235 | 410 | 207 | 23 | 68 |
| 23 | 100 | 35 | 35 | 45 | 72 | 119 | 286 | 242 | 379 | 235 | 26 | 68 |
| 24 | 100 | 40 | 35 | 45 | 78 | 149 | 222 | 229 | 302 | 204 | 51 | 98 |
| 25 | 90 | 40 | 35 | 40 | 92 | 151 | 204 | 187 | 390 | 168 | 76 | 98 |
| 26 | 90 | 45 | 35 | 40 | 129 | 181 | 255 | 210 | 586 | 151 | 67 | 168 |
| 27 | 90 | 45 | 35 | 45 | 136 | 235 | 192 | 222 | 514 | 134 | 65 | 129 |
| 28 | 90 | 40 | 40 | 45 | 121 | 286 | 178 | 198 | 450 | 117 | 110 | 142 |
| 29 | 80 | 40 | 40 | 45 | --- | 334 | 187 | 216 | 410 | 102 | 85 | 176 |
| 30 | 80 | 40 | 40 | 50 | --- | 392 | 222 | 176 | 362 | 92 | 126 | 154 |
| 31 | 70 | --- | 30 | 50 | --- | 397 | --- | 154 | --- | 80 | 163 | --- |
| TOTAL | 3475 | 1365 | 1025 | 1210 | 1835 | 4664 | 8412 | 9394 | 8088 | 7039 | 1455 | 3354 |
| MEAN | 112 | 45.5 | 33.1 | 39.0 | 65.5 | 150 | 280 | 303 | 270 | 227 | 46.9 | 112 |
| AC-FT | 6890 | 2710 | 2030 | 2400 | 3640 | 9250 | 16690 | 18630 | 16040 | 13960 | 2890 | 6650 |
| MAX | 231 | 65 | 40 | 50 | 136 | 397 | 842 | 874 | 586 | 450 | 163 | 322 |
| MIN | 64 | 35 | 20 | 30 | 25 | 65 | 138 | 154 | 119 | 80 | 22 | 65 |

CAL YR 1985 TOTAL 68325 MEAN 187 MAX 1450 MIN 16 AC-FT 135500
WTR YR 1986 TOTAL 51316 MEAN 141 MAX 874 MIN 20 AC-FT 101800

MAX DISCH 1150 CFS AT 2345 03-MAY-1986 GH 4.10 FT. SHIFT 0.05 FT. MAX GH 4.10 FT. AT 2345 03-MAY-1986



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1987)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

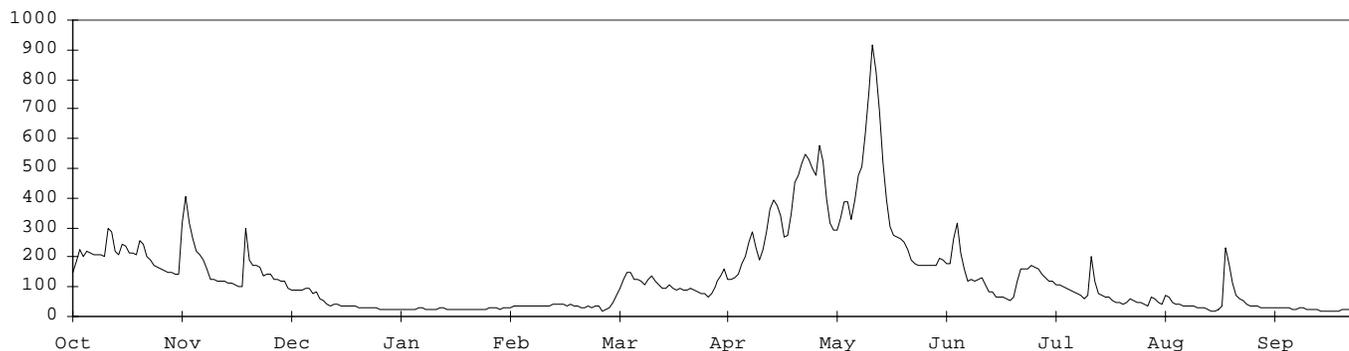
RATING TABLE.--RIOMOUCO03 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|------|------|------|------|-------|-------|------|------|------|------|
| 1 | 147 | 316 | 95 | 24 | 30 | 22 | 102 | 580 | 170 | 165 | 41 | 34 |
| 2 | 187 | 402 | 88 | 24 | 30 | 30 | 117 | 526 | 171 | 158 | 37 | 34 |
| 3 | 225 | 318 | 90 | 26 | 34 | 48 | 138 | 397 | 173 | 142 | 68 | 32 |
| 4 | 204 | 262 | 92 | 26 | 36 | 70 | 158 | 314 | 198 | 132 | 59 | 31 |
| 5 | 219 | 222 | 92 | 26 | 34 | 93 | 125 | 294 | 189 | 121 | 49 | 31 |
| 6 | 213 | 207 | 93 | 26 | 34 | 123 | 125 | 290 | 178 | 117 | 42 | 32 |
| 7 | 207 | 189 | 93 | 28 | 34 | 149 | 132 | 334 | 181 | 106 | 74 | 31 |
| 8 | 210 | 160 | 80 | 30 | 36 | 149 | 142 | 388 | 263 | 105 | 67 | 29 |
| 9 | 207 | 123 | 83 | 26 | 36 | 127 | 177 | 388 | 316 | 100 | 49 | 27 |
| 10 | 201 | 127 | 58 | 26 | 36 | 127 | 201 | 330 | 216 | 95 | 44 | 32 |
| 11 | 298 | 121 | 53 | 26 | 38 | 119 | 248 | 392 | 158 | 90 | 44 | 27 |
| 12 | 286 | 122 | 40 | 26 | 38 | 110 | 286 | 479 | 121 | 85 | 37 | 25 |
| 13 | 222 | 117 | 38 | 28 | 38 | 125 | 232 | 504 | 123 | 80 | 38 | 25 |
| 14 | 210 | 115 | 40 | 30 | 42 | 134 | 189 | 620 | 119 | 70 | 37 | 27 |
| 15 | 245 | 113 | 40 | 26 | 40 | 121 | 225 | 756 | 126 | 60 | 34 | 30 |
| 16 | 238 | 110 | 36 | 26 | 40 | 106 | 288 | 919 | 132 | 70 | 30 | 23 |
| 17 | 216 | 102 | 36 | 26 | 40 | 93 | 366 | 826 | 109 | 200 | 30 | 22 |
| 18 | 213 | 102 | 38 | 26 | 38 | 97 | 392 | 690 | 85 | 120 | 28 | 22 |
| 19 | 210 | 299 | 36 | 24 | 40 | 106 | 374 | 520 | 81 | 80 | 24 | 21 |
| 20 | 258 | 189 | 36 | 24 | 36 | 98 | 342 | 390 | 67 | 70 | 19 | 20 |
| 21 | 245 | 170 | 32 | 22 | 34 | 88 | 266 | 306 | 66 | 65 | 19 | 19 |
| 22 | 204 | 170 | 30 | 22 | 32 | 97 | 272 | 276 | 63 | 65 | 23 | 17 |
| 23 | 189 | 165 | 30 | 24 | 30 | 88 | 344 | 266 | 58 | 55 | 35 | 17 |
| 24 | 173 | 136 | 30 | 24 | 36 | 88 | 455 | 263 | 55 | 49 | 230 | 17 |
| 25 | 165 | 140 | 30 | 26 | 28 | 95 | 476 | 248 | 65 | 48 | 178 | 19 |
| 26 | 160 | 142 | 28 | 26 | 34 | 90 | 520 | 229 | 119 | 42 | 113 | 23 |
| 27 | 156 | 125 | 24 | 28 | 34 | 86 | 550 | 189 | 158 | 49 | 71 | 22 |
| 28 | 151 | 127 | 26 | 30 | 20 | 77 | 532 | 178 | 160 | 58 | 59 | 22 |
| 29 | 151 | 119 | 26 | 28 | --- | 76 | 498 | 170 | 163 | 53 | 51 | 19 |
| 30 | 144 | 119 | 24 | 26 | --- | 67 | 476 | 170 | 173 | 48 | 43 | 19 |
| 31 | 144 | --- | 24 | 30 | --- | 80 | --- | 170 | --- | 45 | 38 | --- |
| TOTAL | 6298 | 5129 | 1561 | 810 | 978 | 2979 | 8748 | 12402 | 4256 | 2743 | 1711 | 749 |
| MEAN | 203 | 171 | 50.4 | 26.1 | 34.9 | 96.1 | 292 | 400 | 142 | 88.5 | 55.2 | 25.0 |
| AC-FT | 12490 | 10170 | 3100 | 1610 | 1940 | 5910 | 17350 | 24600 | 8440 | 5440 | 3390 | 1490 |
| MAX | 298 | 402 | 95 | 30 | 42 | 149 | 550 | 919 | 316 | 200 | 230 | 34 |
| MIN | 144 | 102 | 24 | 22 | 20 | 22 | 102 | 170 | 55 | 42 | 19 | 17 |

CAL YR 1986 TOTAL 58439 MEAN 160 MAX 874 MIN 22 AC-FT 115900
WTR YR 1987 TOTAL 48364 MEAN 133 MAX 919 MIN 17 AC-FT 95930

MAX DISCH 1200 CFS AT 0015 16-MAY-1987 GH 4.19 FT. SHIFT 0.01 FT. MAX GH 4.19 FT. AT 0015 16-MAY-1987



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1988)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

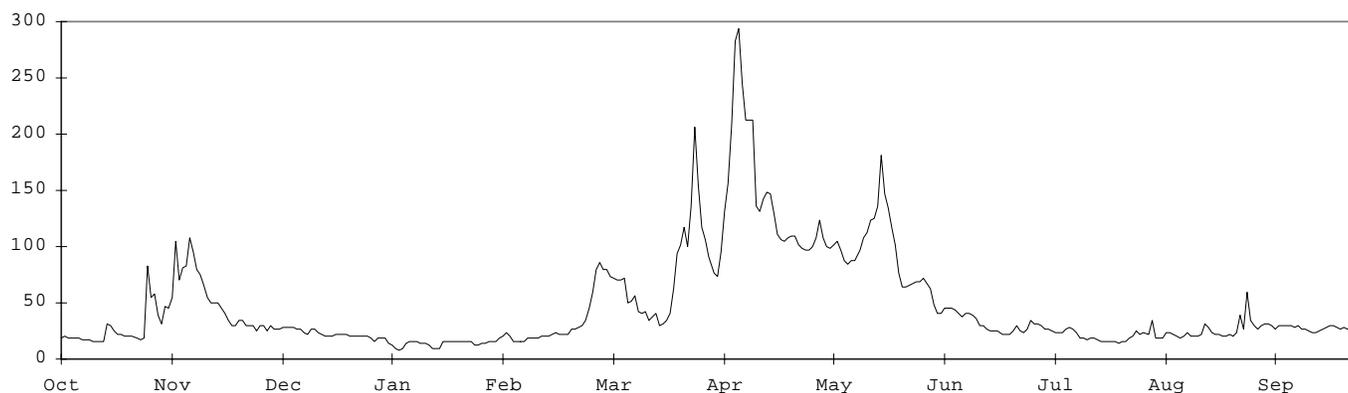
RATING TABLE.--RIOMOU003 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|-------|------|------|------|------|------|------|------|------|
| 1 | 19 | 54 | 26 | 14 | 18 | 80 | 76 | 123 | 62 | 31 | 22 | 26 |
| 2 | 20 | 104 | 28 | 12 | 20 | 80 | 74 | 108 | 48 | 30 | 35 | 30 |
| 3 | 19 | 71 | 28 | 10 | 24 | 74 | 95 | 100 | 40 | 26 | 19 | 31 |
| 4 | 19 | 81 | 28 | 8.0 | 20 | 72 | 132 | 98 | 40 | 26 | 18 | 31 |
| 5 | 19 | 83 | 28 | 10 | 16 | 70 | 156 | 102 | 45 | 25 | 18 | 29 |
| 6 | 19 | 108 | 26 | 14 | 16 | 70 | 210 | 104 | 45 | 24 | 24 | 27 |
| 7 | 17 | 95 | 26 | 16 | 16 | 72 | 283 | 97 | 45 | 23 | 23 | 30 |
| 8 | 17 | 80 | 24 | 16 | 16 | 50 | 294 | 88 | 43 | 24 | 22 | 30 |
| 9 | 17 | 75 | 22 | 16 | 18 | 51 | 245 | 85 | 40 | 27 | 20 | 29 |
| 10 | 16 | 65 | 26 | 14 | 18 | 56 | 213 | 88 | 38 | 28 | 19 | 29 |
| 11 | 16 | 55 | 26 | 14 | 18 | 42 | 213 | 88 | 40 | 26 | 20 | 28 |
| 12 | 15 | 50 | 24 | 12 | 18 | 40 | 213 | 97 | 40 | 23 | 23 | 29 |
| 13 | 16 | 50 | 22 | 10 | 20 | 42 | 136 | 108 | 39 | 19 | 20 | 27 |
| 14 | 31 | 50 | 20 | 10 | 20 | 35 | 132 | 113 | 36 | 18 | 20 | 26 |
| 15 | 29 | 45 | 20 | 10 | 20 | 38 | 142 | 123 | 30 | 17 | 20 | 25 |
| 16 | 25 | 40 | 20 | 16 | 22 | 41 | 149 | 125 | 30 | 18 | 22 | 24 |
| 17 | 22 | 35 | 22 | 16 | 24 | 30 | 147 | 136 | 26 | 19 | 32 | 24 |
| 18 | 22 | 30 | 22 | 16 | 22 | 31 | 129 | 181 | 25 | 17 | 28 | 25 |
| 19 | 21 | 30 | 22 | 16 | 22 | 35 | 111 | 147 | 25 | 16 | 23 | 26 |
| 20 | 21 | 35 | 22 | 16 | 22 | 41 | 106 | 134 | 25 | 16 | 22 | 28 |
| 21 | 20 | 35 | 20 | 16 | 26 | 63 | 104 | 117 | 22 | 16 | 22 | 29 |
| 22 | 18 | 30 | 20 | 16 | 26 | 93 | 108 | 102 | 22 | 15 | 20 | 30 |
| 23 | 17 | 30 | 20 | 16 | 28 | 102 | 110 | 76 | 22 | 15 | 20 | 28 |
| 24 | 19 | 30 | 20 | 16 | 30 | 117 | 110 | 64 | 25 | 14 | 22 | 27 |
| 25 | 83 | 25 | 20 | 12 | 34 | 100 | 102 | 64 | 29 | 16 | 21 | 28 |
| 26 | 55 | 30 | 20 | 12 | 46 | 136 | 98 | 65 | 25 | 16 | 23 | 26 |
| 27 | 58 | 30 | 18 | 14 | 60 | 207 | 97 | 67 | 24 | 18 | 39 | 28 |
| 28 | 39 | 25 | 16 | 14 | 80 | 154 | 97 | 68 | 27 | 20 | 27 | 26 |
| 29 | 32 | 30 | 18 | 16 | 86 | 117 | 100 | 68 | 34 | 25 | 59 | 27 |
| 30 | 47 | 26 | 18 | 16 | --- | 106 | 108 | 72 | 32 | 22 | 35 | 27 |
| 31 | 45 | --- | 18 | 16 | --- | 90 | --- | 67 | --- | 23 | 30 | --- |
| TOTAL | 833 | 1527 | 690 | 430.0 | 806 | 2335 | 4290 | 3075 | 1024 | 653 | 768 | 830 |
| MEAN | 26.9 | 50.9 | 22.3 | 13.9 | 27.8 | 75.3 | 143 | 99.2 | 34.1 | 21.1 | 24.8 | 27.7 |
| AC-FT | 1650 | 3030 | 1370 | 853 | 1600 | 4630 | 8510 | 6100 | 2030 | 1300 | 1520 | 1650 |
| MAX | 83 | 108 | 28 | 16 | 86 | 207 | 294 | 181 | 62 | 31 | 59 | 31 |
| MIN | 15 | 25 | 16 | 8.0 | 16 | 30 | 74 | 64 | 22 | 14 | 18 | 24 |

CAL YR 1987 TOTAL 38426 MEAN 105 MAX 919 MIN 15 AC-FT 76220
WTR YR 1988 TOTAL 17261.0 MEAN 47.2 MAX 294 MIN 8.0 AC-FT 34240

MAX DISCH 440 CFS AT 2300 07-APR-1988 GH 3.18 FT. SHIFT -0.03 FT. MAX GH 3.60 FT. AT 1500 02-MAR-1988



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1989)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

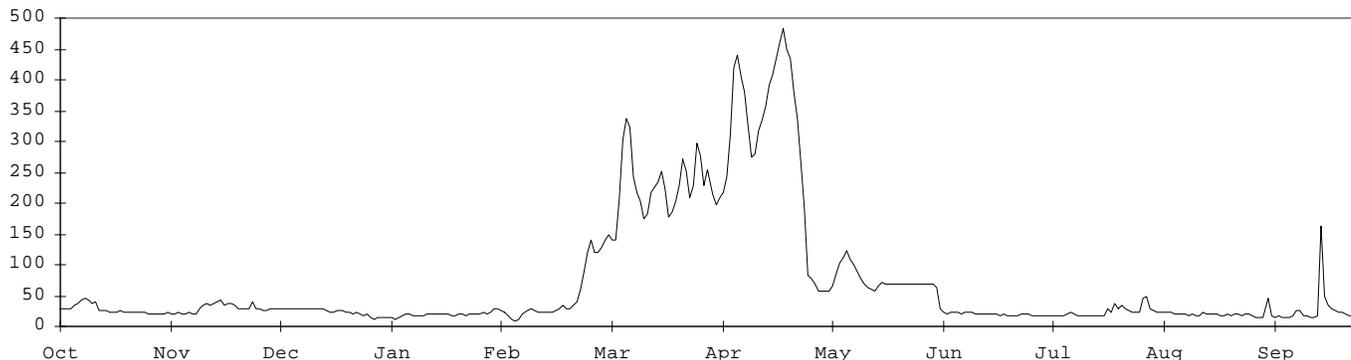
RATING TABLE.--RIOMOUCO03 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|-------|-------|------|------|------|------|------|
| 1 | 28 | 20 | 28 | 14 | 28 | 120 | 255 | 68 | 68 | 18 | 47 | 17 |
| 2 | 28 | 21 | 30 | 14 | 26 | 130 | 213 | 58 | 70 | 18 | 49 | 15 |
| 3 | 30 | 22 | 30 | 12 | 24 | 140 | 198 | 57 | 70 | 18 | 29 | 13 |
| 4 | 30 | 21 | 30 | 14 | 16 | 150 | 210 | 58 | 62 | 18 | 26 | 14 |
| 5 | 33 | 21 | 30 | 16 | 12 | 140 | 216 | 58 | 29 | 18 | 24 | 45 |
| 6 | 38 | 22 | 30 | 20 | 10 | 140 | 242 | 67 | 22 | 17 | 23 | 17 |
| 7 | 44 | 21 | 30 | 20 | 12 | 207 | 312 | 87 | 19 | 17 | 22 | 14 |
| 8 | 47 | 20 | 30 | 18 | 20 | 302 | 420 | 104 | 22 | 17 | 22 | 17 |
| 9 | 42 | 28 | 28 | 18 | 26 | 338 | 440 | 112 | 22 | 17 | 22 | 15 |
| 10 | 37 | 34 | 28 | 18 | 30 | 322 | 406 | 122 | 22 | 17 | 21 | 14 |
| 11 | 39 | 38 | 28 | 18 | 26 | 242 | 379 | 108 | 21 | 21 | 21 | 14 |
| 12 | 27 | 34 | 28 | 20 | 24 | 216 | 326 | 100 | 22 | 22 | 21 | 17 |
| 13 | 26 | 36 | 28 | 20 | 24 | 204 | 274 | 88 | 22 | 19 | 19 | 25 |
| 14 | 25 | 39 | 28 | 20 | 24 | 173 | 280 | 77 | 22 | 18 | 18 | 26 |
| 15 | 24 | 43 | 26 | 20 | 24 | 184 | 318 | 68 | 20 | 18 | 19 | 18 |
| 16 | 24 | 33 | 24 | 20 | 24 | 216 | 334 | 64 | 21 | 18 | 18 | 16 |
| 17 | 24 | 38 | 24 | 20 | 26 | 225 | 358 | 59 | 21 | 17 | 18 | 15 |
| 18 | 25 | 36 | 26 | 20 | 30 | 235 | 392 | 58 | 19 | 16 | 22 | 15 |
| 19 | 24 | 34 | 26 | 18 | 34 | 252 | 410 | 67 | 19 | 17 | 20 | 18 |
| 20 | 22 | 28 | 24 | 18 | 30 | 222 | 435 | 71 | 20 | 17 | 19 | 163 |
| 21 | 22 | 28 | 22 | 20 | 28 | 176 | 460 | 70 | 19 | 18 | 19 | 50 |
| 22 | 22 | 28 | 20 | 20 | 34 | 187 | 482 | 70 | 18 | 29 | 19 | 33 |
| 23 | 22 | 30 | 22 | 18 | 40 | 204 | 450 | 70 | 19 | 23 | 18 | 28 |
| 24 | 22 | 40 | 20 | 20 | 60 | 230 | 434 | 70 | 18 | 37 | 18 | 25 |
| 25 | 22 | 30 | 18 | 20 | 90 | 272 | 379 | 68 | 18 | 28 | 19 | 24 |
| 26 | 19 | 30 | 20 | 20 | 120 | 252 | 338 | 68 | 18 | 34 | 18 | 22 |
| 27 | 19 | 26 | 14 | 20 | 140 | 210 | 266 | 68 | 18 | 28 | 19 | 20 |
| 28 | 19 | 26 | 12 | 22 | 120 | 229 | 191 | 68 | 20 | 25 | 19 | 17 |
| 29 | 20 | 28 | 14 | 20 | --- | 298 | 83 | 70 | 19 | 24 | 18 | 16 |
| 30 | 20 | 28 | 14 | 24 | --- | 276 | 76 | 70 | 19 | 23 | 21 | 14 |
| 31 | 22 | --- | 14 | 28 | --- | 229 | --- | 70 | --- | 23 | 21 | --- |
| TOTAL | 846 | 883 | 746 | 590 | 1102 | 6721 | 9577 | 2313 | 799 | 650 | 689 | 757 |
| MEAN | 27.3 | 29.4 | 24.1 | 19.0 | 39.4 | 217 | 319 | 74.6 | 26.6 | 21.0 | 22.2 | 25.2 |
| AC-FT | 1680 | 1750 | 1480 | 1170 | 2190 | 13330 | 19000 | 4590 | 1580 | 1290 | 1370 | 1500 |
| MAX | 47 | 43 | 30 | 28 | 140 | 338 | 482 | 122 | 70 | 37 | 49 | 163 |
| MIN | 19 | 20 | 12 | 12 | 10 | 120 | 76 | 57 | 18 | 16 | 18 | 13 |

CAL YR 1988 TOTAL 16686.0 MEAN 45.6 MAX 294 MIN 8.0 AC-FT 33100
WTR YR 1989 TOTAL 25673 MEAN 70.3 MAX 482 MIN 10 AC-FT 50920

MAX DISCH 610 CFS AT 1000 20-SEP-1989 GH 3.46 FT. SHIFT -0.01 FT. MAX GH 3.46 FT. AT 1000 20-SEP-1989



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO (1990)

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Water-stage recorder. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

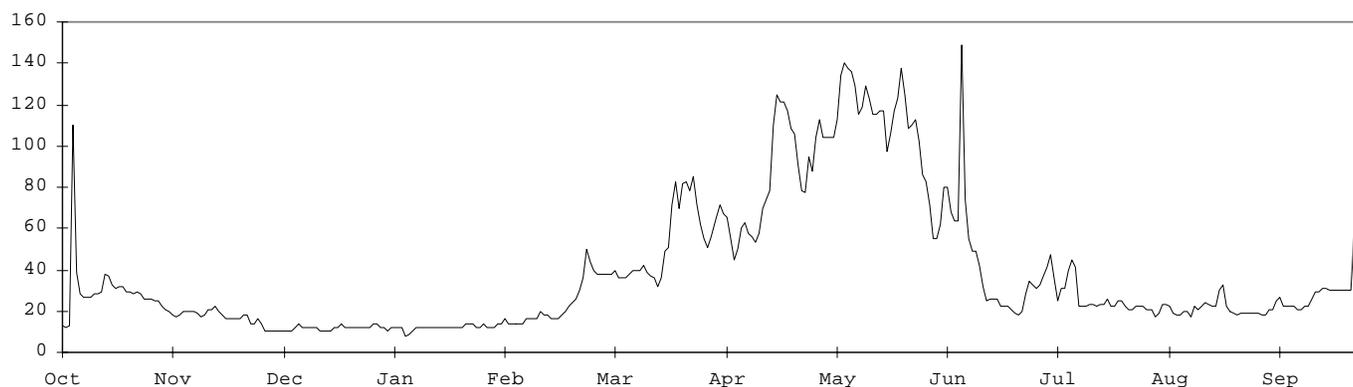
RATING TABLE.--RIOMOU003 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|-------|------|------|------|------|------|------|------|------|
| 1 | 13 | 18 | 10 | 12 | 14 | 38 | 56 | 113 | 71 | 31 | 21 | 19 |
| 2 | 12 | 17 | 10 | 12 | 16 | 38 | 65 | 104 | 55 | 33 | 21 | 18 |
| 3 | 13 | 18 | 10 | 12 | 14 | 38 | 71 | 104 | 55 | 37 | 17 | 18 |
| 4 | 110 | 20 | 10 | 12 | 14 | 38 | 67 | 104 | 62 | 41 | 19 | 21 |
| 5 | 39 | 20 | 12 | 8.0 | 14 | 40 | 65 | 104 | 80 | 47 | 23 | 21 |
| 6 | 28 | 20 | 14 | 9.0 | 14 | 36 | 55 | 113 | 80 | 36 | 23 | 25 |
| 7 | 27 | 20 | 12 | 10 | 14 | 36 | 45 | 134 | 68 | 25 | 22 | 27 |
| 8 | 27 | 19 | 12 | 12 | 16 | 36 | 50 | 140 | 64 | 31 | 19 | 22 |
| 9 | 27 | 17 | 12 | 12 | 16 | 38 | 60 | 138 | 64 | 31 | 18 | 22 |
| 10 | 28 | 18 | 12 | 12 | 16 | 40 | 63 | 136 | 149 | 40 | 18 | 22 |
| 11 | 28 | 21 | 12 | 12 | 16 | 40 | 58 | 129 | 74 | 45 | 20 | 22 |
| 12 | 29 | 21 | 10 | 12 | 20 | 40 | 56 | 115 | 55 | 41 | 20 | 21 |
| 13 | 38 | 22 | 10 | 12 | 18 | 42 | 53 | 119 | 49 | 22 | 17 | 21 |
| 14 | 37 | 20 | 10 | 12 | 18 | 39 | 58 | 129 | 49 | 22 | 22 | 22 |
| 15 | 33 | 18 | 10 | 12 | 16 | 37 | 70 | 123 | 42 | 22 | 21 | 22 |
| 16 | 31 | 16 | 12 | 12 | 16 | 36 | 74 | 115 | 32 | 23 | 22 | 26 |
| 17 | 32 | 16 | 12 | 12 | 16 | 32 | 78 | 115 | 25 | 23 | 24 | 29 |
| 18 | 32 | 16 | 14 | 12 | 18 | 36 | 110 | 117 | 26 | 22 | 23 | 29 |
| 19 | 29 | 16 | 12 | 12 | 20 | 49 | 125 | 117 | 26 | 23 | 22 | 31 |
| 20 | 29 | 16 | 12 | 12 | 22 | 51 | 121 | 97 | 26 | 23 | 22 | 31 |
| 21 | 28 | 18 | 12 | 12 | 24 | 71 | 121 | 106 | 22 | 26 | 30 | 30 |
| 22 | 29 | 18 | 12 | 14 | 26 | 83 | 117 | 117 | 22 | 22 | 33 | 30 |
| 23 | 28 | 14 | 12 | 14 | 30 | 70 | 108 | 123 | 22 | 22 | 22 | 30 |
| 24 | 26 | 14 | 12 | 14 | 36 | 82 | 106 | 138 | 21 | 25 | 20 | 30 |
| 25 | 26 | 16 | 12 | 12 | 50 | 83 | 90 | 125 | 19 | 25 | 19 | 30 |
| 26 | 26 | 14 | 12 | 12 | 44 | 78 | 78 | 108 | 18 | 22 | 18 | 30 |
| 27 | 25 | 10 | 14 | 14 | 40 | 85 | 77 | 110 | 20 | 21 | 19 | 30 |
| 28 | 25 | 10 | 14 | 12 | 38 | 71 | 95 | 113 | 28 | 21 | 19 | 60 |
| 29 | 22 | 10 | 12 | 12 | --- | 62 | 88 | 102 | 34 | 22 | 19 | 40 |
| 30 | 21 | 10 | 12 | 12 | --- | 55 | 104 | 86 | 33 | 22 | 19 | 34 |
| 31 | 20 | --- | 10 | 14 | --- | 51 | --- | 83 | --- | 22 | 19 | --- |
| TOTAL | 918 | 503 | 362 | 373.0 | 616 | 1571 | 2384 | 3577 | 1391 | 868 | 651 | 813 |
| MEAN | 29.6 | 16.8 | 11.7 | 12.0 | 22.0 | 50.7 | 79.5 | 115 | 46.4 | 28.0 | 21.0 | 27.1 |
| AC-FT | 1820 | 998 | 718 | 740 | 1220 | 3120 | 4730 | 7090 | 2760 | 1720 | 1290 | 1610 |
| MAX | 110 | 22 | 14 | 14 | 50 | 85 | 125 | 140 | 149 | 47 | 33 | 60 |
| MIN | 12 | 10 | 10 | 8.0 | 14 | 32 | 45 | 83 | 18 | 21 | 17 | 18 |

CAL YR 1989 TOTAL 24981 MEAN 68.4 MAX 482 MIN 10 AC-FT 49550
WTR YR 1990 TOTAL 14027.0 MEAN 38.4 MAX 149 MIN 8.0 AC-FT 27820

MAX DISCH 440 CFS AT 1030 04-OCT-1989 GH 3.15 FT. SHIFT 0.00 FT. MAX GH 3.27 FT. AT 1800 28-FEB-1990



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1980)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

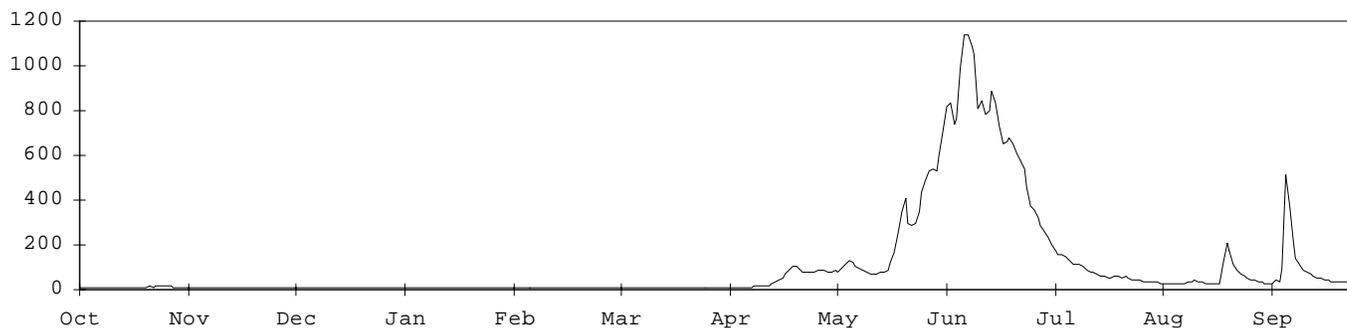
RATING TABLE.--FLOALECO02 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|-------|--------|-------|-------|------|------|------|
| 1 | 13 | 10 | 8.0 | 6.5 | 7.0 | 7.8 | 8.8 | 83 | 535 | 324 | 35 | 40 |
| 2 | 12 | 9.8 | 8.0 | 6.5 | 7.0 | 7.8 | 10 | 74 | 530 | 286 | 34 | 36 |
| 3 | 12 | 10 | 8.5 | 6.2 | 7.4 | 7.8 | 9.4 | 75 | 600 | 260 | 32 | 32 |
| 4 | 12 | 11 | 8.5 | 6.2 | 7.4 | 7.8 | 9.4 | 86 | 708 | 233 | 31 | 29 |
| 5 | 11 | 9.8 | 8.1 | 6.2 | 7.0 | 7.8 | 9.5 | 95 | 818 | 204 | 29 | 28 |
| 6 | 11 | 10 | 8.1 | 6.2 | 7.0 | 7.8 | 9.8 | 98 | 839 | 178 | 28 | 30 |
| 7 | 11 | 11 | 8.1 | 6.2 | 7.4 | 7.8 | 10 | 117 | 741 | 156 | 28 | 45 |
| 8 | 11 | 11 | 8.1 | 5.9 | 7.1 | 7.8 | 11 | 129 | 769 | 158 | 29 | 38 |
| 9 | 11 | 10 | 8.1 | 5.9 | 6.5 | 7.5 | 12 | 125 | 988 | 145 | 30 | 9(|
| 10 | 11 | 9.8 | 8.1 | 6.2 | 6.0 | 7.5 | 13 | 107 | 1140 | 131 | 26 | 513 |
| 11 | 11 | 9.5 | 7.8 | 5.9 | 6.0 | 8.1 | 15 | 100 | 1140 | 115 | 24 | 378 |
| 12 | 11 | 9.1 | 7.8 | 6.2 | 6.5 | 8.1 | 14 | 87 | 1090 | 109 | 26 | 207 |
| 13 | 11 | 9.5 | 7.1 | 6.5 | 7.8 | 7.5 | 14 | 77 | 1050 | 115 | 33 | 141 |
| 14 | 11 | 9.5 | 7.1 | 6.5 | 7.8 | 8.0 | 16 | 73 | 958 | 105 | 33 | 109 |
| 15 | 11 | 9.1 | 7.4 | 6.8 | 8.1 | 8.5 | 19 | 71 | 846 | 90 | 42 | 90 |
| 16 | 10 | 8.8 | 7.4 | 6.5 | 7.4 | 8.5 | 24 | 70 | 783 | 81 | 37 | 75 |
| 17 | 10 | 8.8 | 7.1 | 6.5 | 7.4 | 8.0 | 32 | 74 | 797 | 74 | 31 | 66 |
| 18 | 10 | 9.5 | 6.8 | 6.8 | 7.4 | 8.5 | 42 | 78 | 890 | 67 | 28 | 57 |
| 19 | 10 | 8.8 | 7.1 | 6.8 | 8.1 | 8.8 | 54 | 86 | 839 | 63 | 28 | 52 |
| 20 | 12 | 8.8 | 7.1 | 6.8 | 8.1 | 8.5 | 68 | 119 | 734 | 57 | 26 | 48 |
| 21 | 17 | 8.1 | 7.1 | 6.0 | 7.4 | 9.5 | 86 | 167 | 654 | 53 | 24 | 44 |
| 22 | 13 | 8.8 | 7.4 | 6.0 | 7.4 | 9.5 | 102 | 256 | 660 | 54 | 23 | 40 |
| 23 | 14 | 8.8 | 7.0 | 6.0 | 7.4 | 9.5 | 102 | 348 | 678 | 61 | 123 | 38 |
| 24 | 15 | 8.5 | 7.0 | 6.0 | 7.0 | 9.8 | 83 | 405 | 654 | 57 | 207 | 35 |
| 25 | 15 | 9.1 | 7.1 | 6.0 | 7.0 | 10 | 75 | 296 | 606 | 56 | 173 | 32 |
| 26 | 15 | 9.1 | 7.1 | 6.8 | 7.0 | 9.7 | 77 | 283 | 570 | 61 | 113 | 31 |
| 27 | 14 | 8.8 | 7.4 | 6.8 | 7.4 | 9.5 | 78 | 296 | 540 | 52 | 84 | 31 |
| 28 | 13 | 8.8 | 7.4 | 6.8 | 7.8 | 9.5 | 81 | 344 | 460 | 47 | 67 | 31 |
| 29 | 13 | 8.0 | 6.5 | 7.5 | 7.8 | 9.0 | 87 | 436 | 378 | 43 | 57 | 29 |
| 30 | 12 | 8.0 | 6.5 | 7.8 | --- | 9.0 | 90 | 490 | 356 | 40 | 51 | 28 |
| 31 | 10 | --- | 6.5 | 7.0 | --- | 9.1 | --- | 530 | --- | 38 | 45 | --- |
| TOTAL | 373 | 279.8 | 231.3 | 200.0 | 210.6 | 264.0 | 1261.9 | 5675 | 22351 | 3513 | 1577 | 2451 |
| MEAN | 12.0 | 9.33 | 7.46 | 6.45 | 7.26 | 8.52 | 42.1 | 183 | 745 | 113 | 50.9 | 81.7 |
| AC-FT | 740 | 555 | 459 | 397 | 418 | 524 | 2500 | 11260 | 44330 | 6970 | 3130 | 4860 |
| MAX | 17 | 11 | 8.5 | 7.8 | 8.1 | 10 | 102 | 530 | 1140 | 324 | 207 | 513 |
| MIN | 10 | 8.0 | 6.5 | 5.9 | 6.0 | 7.5 | 8.8 | 70 | 356 | 38 | 23 | 28 |

CAL YR 1979 TOTAL 46564.9 MEAN 128 MAX 1050 MIN 6.5 AC-FT 92360
WTR YR 1980 TOTAL 38387.6 MEAN 105 MAX 1140 MIN 5.9 AC-FT 76140

MAX DISCH 1482 CFS AT 2230 10-JUN-1980 GH 4.37 FT. SHIFT 0.11 FT. MAX GH 4.37 FT. AT 2230 10-JUN-1980



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1981)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

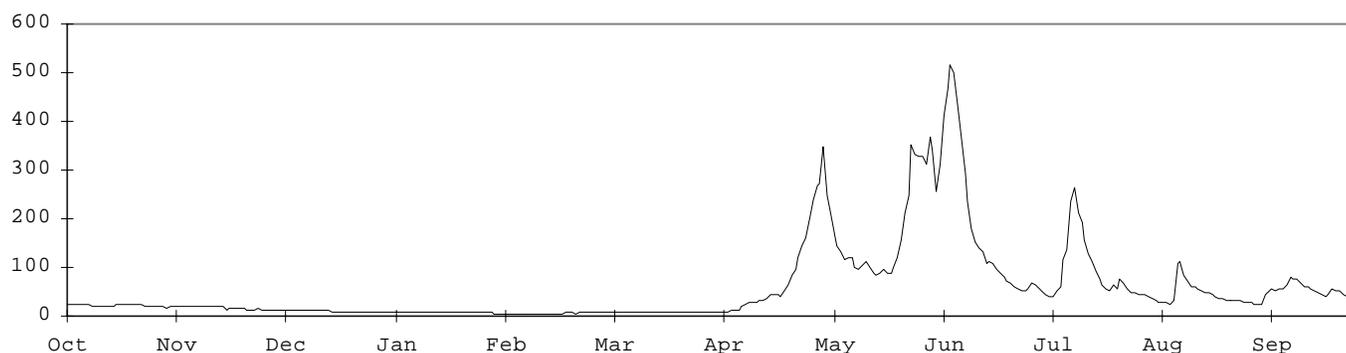
RATING TABLE.--FLOALECO02 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|-------|-------|-------|--------|-------|-------|------|------|------|
| 1 | 26 | 20 | 12 | 9.5 | 4.5 | 7.1 | 8.8 | 270 | 313 | 67 | 46 | 28 |
| 2 | 25 | 20 | 12 | 9.5 | 4.5 | 7.1 | 10 | 273 | 369 | 63 | 45 | 26 |
| 3 | 24 | 19 | 12 | 9.1 | 5.0 | 6.8 | 10 | 348 | 340 | 55 | 40 | 24 |
| 4 | 23 | 20 | 12 | 9.1 | 5.5 | 6.8 | 9.5 | 247 | 256 | 49 | 36 | 25 |
| 5 | 23 | 20 | 12 | 9.1 | 5.5 | 6.8 | 9.5 | 207 | 313 | 44 | 32 | 43 |
| 6 | 23 | 20 | 12 | 8.8 | 5.5 | 8.0 | 10 | 165 | 414 | 41 | 29 | 52 |
| 7 | 23 | 20 | 12 | 8.8 | 5.5 | 7.5 | 12 | 143 | 470 | 40 | 28 | 56 |
| 8 | 22 | 20 | 11 | 8.8 | 5.5 | 7.5 | 13 | 133 | 515 | 52 | 27 | 51 |
| 9 | 22 | 20 | 11 | 8.5 | 5.4 | 7.5 | 14 | 115 | 500 | 59 | 23 | 56 |
| 10 | 21 | 20 | 11 | 8.1 | 5.1 | 7.5 | 20 | 119 | 432 | 115 | 32 | 58 |
| 11 | 21 | 19 | 11 | 8.0 | 4.0 | 8.0 | 25 | 121 | 364 | 136 | 108 | 63 |
| 12 | 20 | 20 | 11 | 8.0 | 4.5 | 8.0 | 27 | 102 | 293 | 236 | 113 | 81 |
| 13 | 20 | 21 | 11 | 8.0 | 4.8 | 8.0 | 28 | 97 | 238 | 263 | 86 | 75 |
| 14 | 22 | 20 | 11 | 8.0 | 5.0 | 8.0 | 30 | 103 | 195 | 212 | 71 | 75 |
| 15 | 26 | 13 | 10 | 8.0 | 5.1 | 8.0 | 32 | 111 | 154 | 192 | 61 | 67 |
| 16 | 24 | 17 | 10 | 8.8 | 5.1 | 8.0 | 32 | 102 | 141 | 156 | 59 | 61 |
| 17 | 25 | 16 | 10 | 8.5 | 5.4 | 7.5 | 37 | 88 | 133 | 127 | 56 | 60 |
| 18 | 23 | 15 | 10 | 8.5 | 5.6 | 7.5 | 46 | 83 | 107 | 111 | 53 | 55 |
| 19 | 23 | 15 | 10 | 8.0 | 6.5 | 7.5 | 46 | 90 | 113 | 92 | 49 | 52 |
| 20 | 23 | 15 | 10 | 7.5 | 6.8 | 8.0 | 45 | 97 | 107 | 77 | 47 | 48 |
| 21 | 23 | 14 | 10 | 7.5 | 6.2 | 8.4 | 42 | 88 | 98 | 64 | 43 | 44 |
| 22 | 23 | 14 | 10 | 7.5 | 5.6 | 8.0 | 53 | 90 | 90 | 57 | 40 | 41 |
| 23 | 20 | 14 | 10 | 7.5 | 6.5 | 8.0 | 66 | 102 | 81 | 54 | 37 | 44 |
| 24 | 19 | 15 | 9.5 | 7.5 | 6.5 | 8.2 | 84 | 121 | 73 | 63 | 35 | 55 |
| 25 | 20 | 14 | 9.5 | 7.0 | 6.5 | 8.4 | 97 | 156 | 67 | 55 | 34 | 54 |
| 26 | 22 | 13 | 9.8 | 7.0 | 6.5 | 8.5 | 121 | 212 | 61 | 77 | 32 | 51 |
| 27 | 21 | 12 | 9.8 | 7.0 | 6.7 | 8.5 | 143 | 247 | 56 | 68 | 31 | 46 |
| 28 | 20 | 13 | 9.8 | 7.4 | 7.0 | 8.1 | 160 | 352 | 54 | 57 | 32 | 42 |
| 29 | 18 | 13 | 9.8 | 7.4 | --- | 8.1 | 201 | 332 | 53 | 50 | 32 | 41 |
| 30 | 20 | 11 | 9.1 | 6.0 | --- | 8.8 | 241 | 328 | 55 | 47 | 30 | 39 |
| 31 | 20 | --- | 9.1 | 5.0 | --- | 8.8 | --- | 328 | --- | 45 | 29 | --- |
| TOTAL | 685 | 503 | 327.4 | 247.4 | 156.3 | 242.9 | 1672.8 | 5370 | 6455 | 2824 | 1416 | 1513 |
| MEAN | 22.1 | 16.8 | 10.6 | 7.98 | 5.58 | 7.84 | 55.8 | 173 | 215 | 91.1 | 45.7 | 50.4 |
| AC-FT | 1360 | 998 | 649 | 491 | 310 | 482 | 3320 | 10650 | 12800 | 5600 | 2810 | 3000 |
| MAX | 26 | 21 | 12 | 9.5 | 7.0 | 8.8 | 241 | 352 | 515 | 263 | 113 | 81 |
| MIN | 18 | 11 | 9.1 | 5.0 | 4.0 | 6.8 | 8.8 | 83 | 53 | 40 | 23 | 24 |

CAL YR 1980 TOTAL 39018.9 MEAN 107 MAX 1140 MIN 5.9 AC-FT 77390
WTR YR 1981 TOTAL 21412.8 MEAN 58.7 MAX 515 MIN 4.0 AC-FT 42470

MAX DISCH 762 CFS AT 2100 07-JUN-1981 GH 3.51 FT. SHIFT 0.05 FT. MAX GH 3.51 FT. AT 2100 07-JUN-1981



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1982)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

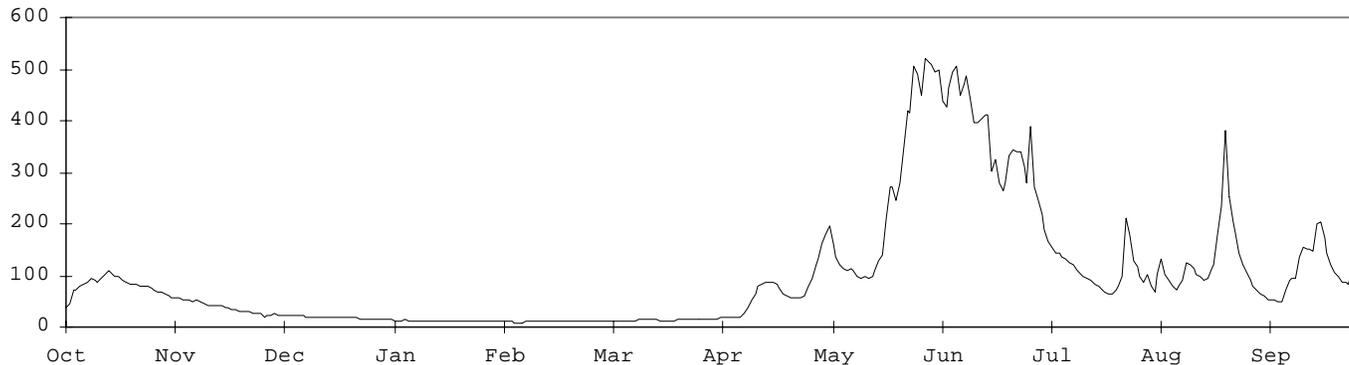
RATING TABLE.--FLOALECO02 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|-------|-------|------|------|-------|-------|------|------|------|
| 1 | 37 | 55 | 23 | 15 | 11 | 13 | 16 | 119 | 520 | 387 | 97 | 90 |
| 2 | 46 | 55 | 21 | 13 | 10 | 13 | 16 | 133 | 515 | 273 | 87 | 78 |
| 3 | 73 | 54 | 21 | 10 | 10 | 13 | 16 | 163 | 510 | 244 | 102 | 70 |
| 4 | 73 | 51 | 22 | 11 | 9.5 | 13 | 17 | 181 | 495 | 218 | 80 | 64 |
| 5 | 78 | 51 | 23 | 15 | 9.0 | 12 | 19 | 195 | 500 | 189 | 68 | 60 |
| 6 | 84 | 50 | 22 | 13 | 8.5 | 11 | 19 | 158 | 436 | 167 | 103 | 54 |
| 7 | 87 | 51 | 22 | 11 | 9.0 | 11 | 19 | 135 | 428 | 154 | 131 | 51 |
| 8 | 93 | 48 | 20 | 10 | 10 | 13 | 19 | 121 | 465 | 145 | 102 | 51 |
| 9 | 90 | 46 | 20 | 10 | 9.5 | 13 | 19 | 113 | 495 | 143 | 90 | 49 |
| 10 | 86 | 43 | 20 | 12 | 11 | 13 | 20 | 111 | 505 | 137 | 81 | 48 |
| 11 | 93 | 43 | 20 | 12 | 11 | 13 | 25 | 113 | 450 | 133 | 73 | 71 |
| 12 | 103 | 42 | 20 | 12 | 10 | 15 | 39 | 109 | 470 | 125 | 80 | 92 |
| 13 | 109 | 42 | 19 | 11 | 11 | 14 | 52 | 100 | 485 | 119 | 90 | 95 |
| 14 | 102 | 41 | 19 | 11 | 12 | 15 | 66 | 95 | 446 | 111 | 125 | 95 |
| 15 | 98 | 38 | 19 | 11 | 13 | 15 | 80 | 98 | 396 | 103 | 121 | 137 |
| 16 | 100 | 38 | 18 | 12 | 12 | 14 | 83 | 95 | 396 | 98 | 113 | 154 |
| 17 | 92 | 34 | 17 | 11 | 11 | 14 | 86 | 100 | 405 | 93 | 102 | 152 |
| 18 | 86 | 35 | 17 | 13 | 10 | 13 | 87 | 111 | 410 | 90 | 100 | 152 |
| 19 | 84 | 29 | 18 | 12 | 10 | 13 | 86 | 129 | 410 | 84 | 90 | 147 |
| 20 | 83 | 29 | 17 | 11 | 9.8 | 12 | 83 | 139 | 303 | 78 | 93 | 201 |
| 21 | 83 | 29 | 17 | 11 | 11 | 13 | 74 | 210 | 324 | 74 | 113 | 204 |
| 22 | 81 | 29 | 17 | 11 | 12 | 13 | 64 | 270 | 279 | 67 | 119 | 175 |
| 23 | 80 | 28 | 16 | 10 | 12 | 14 | 61 | 270 | 266 | 66 | 183 | 143 |
| 24 | 78 | 26 | 16 | 10 | 12 | 14 | 57 | 247 | 279 | 64 | 233 | 121 |
| 25 | 75 | 26 | 16 | 11 | 12 | 15 | 56 | 279 | 332 | 71 | 382 | 105 |
| 26 | 70 | 20 | 15 | 11 | 11 | 15 | 56 | 348 | 344 | 81 | 253 | 97 |
| 27 | 68 | 24 | 15 | 10 | 11 | 15 | 57 | 418 | 340 | 97 | 204 | 88 |
| 28 | 67 | 24 | 16 | 10 | 12 | 16 | 61 | 414 | 340 | 212 | 184 | 86 |
| 29 | 66 | 25 | 15 | 10 | --- | 16 | 80 | 505 | 310 | 178 | 145 | 83 |
| 30 | 60 | 23 | 15 | 9.5 | --- | 15 | 93 | 490 | 279 | 129 | 121 | 102 |
| 31 | 55 | --- | 16 | 9.5 | --- | 16 | --- | 450 | --- | 117 | 105 | --- |
| TOTAL | 2480 | 1129 | 572 | 349.0 | 300.3 | 425 | 1526 | 6419 | 12133 | 4247 | 3970 | 3115 |
| MEAN | 80.0 | 37.6 | 18.5 | 11.3 | 10.7 | 13.7 | 50.9 | 207 | 404 | 137 | 128 | 104 |
| AC-FT | 4920 | 2240 | 1130 | 692 | 596 | 843 | 3030 | 12730 | 24070 | 8420 | 7870 | 6180 |
| MAX | 109 | 55 | 23 | 15 | 13 | 16 | 93 | 505 | 520 | 387 | 382 | 204 |
| MIN | 37 | 20 | 15 | 9.5 | 8.5 | 11 | 16 | 95 | 266 | 64 | 68 | 48 |

CAL YR 1981 TOTAL 24078.4 MEAN 66.0 MAX 515 MIN 4.0 AC-FT 47760
WTR YR 1982 TOTAL 36665.3 MEAN 100 MAX 520 MIN 8.5 AC-FT 72730

MAX DISCH 612 CFS AT 2200 09-JUN-1982 GH 3.24 FT. SHIFT 0.08 FT. MAX GH 3.24 FT. AT 2200 09-JUN-1982



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1983)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

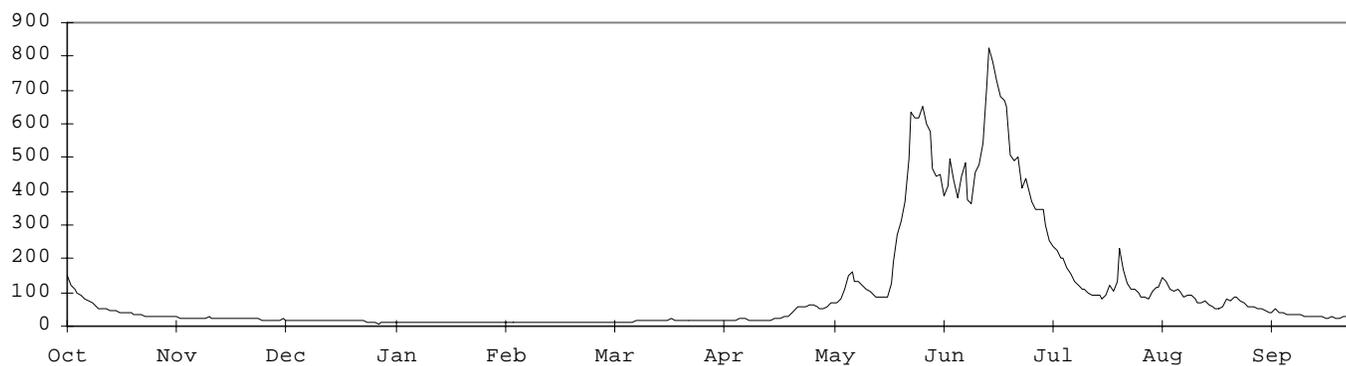
RATING TABLE.--FLOALECO02 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|------|------|------|------|-------|-------|-------|------|------|
| 1 | 152 | 26 | 21 | 10 | 11 | 12 | 20 | 57 | 600 | 369 | 87 | 55 |
| 2 | 123 | 23 | 19 | 12 | 11 | 12 | 20 | 54 | 575 | 348 | 84 | 56 |
| 3 | 111 | 22 | 19 | 11 | 11 | 13 | 20 | 53 | 470 | 348 | 83 | 52 |
| 4 | 100 | 24 | 19 | 12 | 11 | 13 | 18 | 59 | 446 | 348 | 104 | 50 |
| 5 | 92 | 24 | 19 | 12 | 11 | 13 | 19 | 71 | 450 | 300 | 115 | 45 |
| 6 | 80 | 23 | 19 | 12 | 11 | 13 | 19 | 71 | 387 | 256 | 117 | 42 |
| 7 | 74 | 23 | 18 | 12 | 11 | 13 | 20 | 70 | 414 | 238 | 147 | 42 |
| 8 | 68 | 24 | 18 | 12 | 11 | 13 | 20 | 81 | 495 | 227 | 133 | 52 |
| 9 | 57 | 24 | 18 | 12 | 10 | 13 | 21 | 111 | 432 | 204 | 111 | 43 |
| 10 | 54 | 26 | 18 | 12 | 10 | 14 | 21 | 149 | 378 | 201 | 105 | 40 |
| 11 | 53 | 23 | 17 | 12 | 10 | 15 | 21 | 163 | 446 | 175 | 109 | 37 |
| 12 | 50 | 23 | 17 | 12 | 10 | 16 | 20 | 135 | 485 | 154 | 103 | 33 |
| 13 | 49 | 24 | 17 | 11 | 10 | 17 | 19 | 135 | 374 | 135 | 88 | 32 |
| 14 | 47 | 23 | 17 | 11 | 10 | 19 | 18 | 121 | 364 | 123 | 93 | 32 |
| 15 | 46 | 23 | 17 | 11 | 10 | 19 | 17 | 107 | 455 | 111 | 95 | 32 |
| 16 | 43 | 23 | 17 | 11 | 10 | 18 | 18 | 102 | 480 | 107 | 80 | 29 |
| 17 | 42 | 23 | 17 | 11 | 10 | 19 | 18 | 93 | 545 | 100 | 71 | 28 |
| 18 | 41 | 23 | 16 | 13 | 10 | 19 | 20 | 87 | 714 | 93 | 68 | 28 |
| 19 | 38 | 23 | 16 | 13 | 10 | 19 | 23 | 88 | 825 | 90 | 77 | 27 |
| 20 | 36 | 22 | 16 | 13 | 10 | 19 | 23 | 84 | 783 | 92 | 63 | 26 |
| 21 | 34 | 22 | 16 | 12 | 10 | 21 | 23 | 87 | 727 | 83 | 57 | 26 |
| 22 | 32 | 22 | 16 | 12 | 11 | 20 | 26 | 125 | 678 | 90 | 53 | 25 |
| 23 | 31 | 21 | 16 | 12 | 11 | 19 | 29 | 189 | 672 | 121 | 50 | 24 |
| 24 | 30 | 21 | 15 | 12 | 11 | 20 | 40 | 270 | 654 | 103 | 55 | 26 |
| 25 | 29 | 19 | 14 | 13 | 12 | 20 | 51 | 313 | 505 | 134 | 78 | 25 |
| 26 | 30 | 19 | 13 | 12 | 12 | 19 | 57 | 369 | 490 | 233 | 77 | 25 |
| 27 | 30 | 20 | 11 | 12 | 12 | 19 | 59 | 495 | 500 | 170 | 86 | 28 |
| 28 | 26 | 19 | 8.0 | 12 | 12 | 18 | 60 | 636 | 410 | 127 | 86 | 26 |
| 29 | 26 | 19 | 9.0 | 12 | --- | 18 | 64 | 618 | 436 | 111 | 73 | 25 |
| 30 | 28 | 20 | 9.0 | 11 | --- | 19 | 64 | 618 | 414 | 107 | 68 | 64 |
| 31 | 27 | --- | 10 | 11 | --- | 20 | --- | 654 | --- | 97 | 59 | --- |
| TOTAL | 1679 | 671 | 492.0 | 366 | 299 | 522 | 868 | 6265 | 15604 | 5395 | 2675 | 1075 |
| MEAN | 54.2 | 22.4 | 15.9 | 11.8 | 10.7 | 16.8 | 28.9 | 202 | 520 | 174 | 86.3 | 35.8 |
| AC-FT | 3330 | 1330 | 976 | 726 | 593 | 1040 | 1720 | 12430 | 30950 | 10700 | 5310 | 2130 |
| MAX | 152 | 26 | 21 | 13 | 12 | 21 | 64 | 654 | 825 | 369 | 147 | 64 |
| MIN | 26 | 19 | 8.0 | 10 | 10 | 12 | 17 | 53 | 364 | 83 | 50 | 24 |

CAL YR 1982 TOTAL 35326.3 MEAN 96.8 MAX 520 MIN 8.0 AC-FT 70070
WTR YR 1983 TOTAL 35911.0 MEAN 98.4 MAX 825 MIN 8.0 AC-FT 71230

MAX DISCH 1034 CFS AT 2230 18-JUN-1983 GH 3.79 FT. SHIFT 0.14 FT. MAX GH 3.79 FT. AT 2230 18-JUN-1983



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1984)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

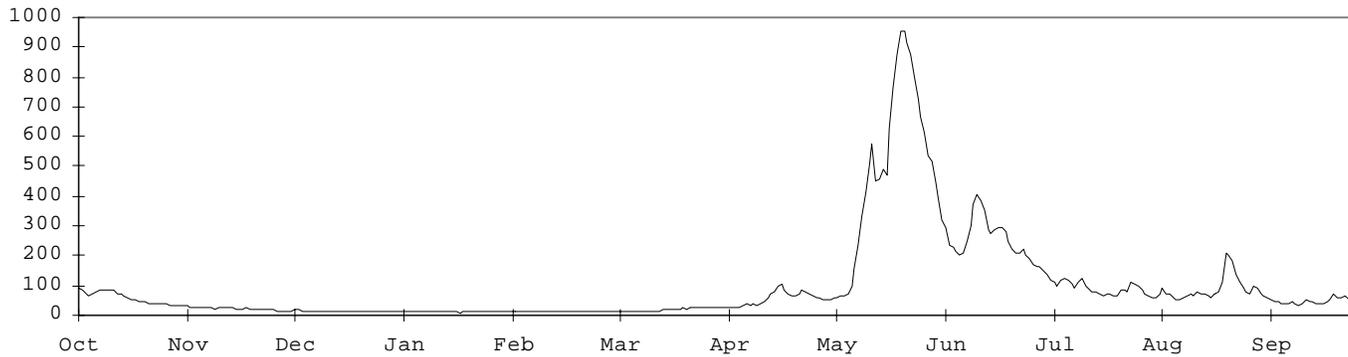
RATING TABLE.--FLOALECO03 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|-------|------|------|------|-------|-------|------|------|------|
| 1 | 89 | 30 | 16 | 11 | 15 | 14 | 25 | 54 | 515 | 165 | 75 | 97 |
| 2 | 84 | 29 | 17 | 11 | 15 | 14 | 25 | 53 | 446 | 162 | 65 | 90 |
| 3 | 73 | 28 | 17 | 12 | 15 | 14 | 26 | 52 | 399 | 153 | 59 | 75 |
| 4 | 66 | 28 | 15 | 11 | 15 | 14 | 26 | 57 | 318 | 137 | 59 | 65 |
| 5 | 73 | 27 | 15 | 11 | 15 | 14 | 26 | 59 | 293 | 119 | 73 | 58 |
| 6 | 81 | 25 | 13 | 11 | 16 | 14 | 26 | 63 | 235 | 108 | 90 | 52 |
| 7 | 87 | 25 | 14 | 12 | 16 | 14 | 26 | 66 | 232 | 100 | 71 | 48 |
| 8 | 84 | 26 | 14 | 12 | 16 | 14 | 30 | 73 | 217 | 115 | 71 | 45 |
| 9 | 82 | 21 | 14 | 12 | 16 | 14 | 36 | 100 | 200 | 127 | 58 | 41 |
| 10 | 87 | 26 | 14 | 12 | 16 | 15 | 34 | 155 | 208 | 115 | 54 | 39 |
| 11 | 87 | 27 | 14 | 12 | 16 | 15 | 36 | 238 | 250 | 102 | 51 | 42 |
| 12 | 73 | 25 | 14 | 12 | 16 | 15 | 34 | 335 | 300 | 89 | 61 | 46 |
| 13 | 71 | 25 | 14 | 11 | 16 | 15 | 40 | 415 | 371 | 108 | 65 | 37 |
| 14 | 66 | 23 | 13 | 13 | 16 | 16 | 46 | 510 | 407 | 125 | 73 | 33 |
| 15 | 59 | 21 | 14 | 12 | 16 | 16 | 56 | 572 | 387 | 100 | 66 | 42 |
| 16 | 54 | 22 | 13 | 11 | 16 | 17 | 70 | 451 | 355 | 87 | 78 | 50 |
| 17 | 51 | 22 | 12 | 11 | 16 | 18 | 81 | 460 | 286 | 79 | 69 | 46 |
| 18 | 49 | 23 | 12 | 9.0 | 16 | 18 | 99 | 490 | 272 | 78 | 69 | 47 |
| 19 | 46 | 19 | 12 | 10 | 16 | 19 | 102 | 470 | 286 | 71 | 63 | 41 |
| 20 | 45 | 21 | 13 | 11 | 16 | 19 | 87 | 626 | 296 | 64 | 61 | 42 |
| 21 | 42 | 19 | 12 | 11 | 16 | 20 | 73 | 764 | 296 | 71 | 71 | 42 |
| 22 | 41 | 17 | 11 | 11 | 16 | 23 | 65 | 877 | 279 | 69 | 81 | 46 |
| 23 | 39 | 17 | 12 | 11 | 16 | 22 | 65 | 956 | 247 | 64 | 113 | 53 |
| 24 | 38 | 17 | 11 | 12 | 16 | 23 | 72 | 956 | 220 | 66 | 210 | 73 |
| 25 | 37 | 17 | 12 | 13 | 15 | 23 | 84 | 912 | 211 | 87 | 202 | 59 |
| 26 | 36 | 17 | 12 | 14 | 14 | 23 | 76 | 877 | 211 | 84 | 184 | 59 |
| 27 | 34 | 16 | 13 | 14 | 14 | 23 | 71 | 800 | 223 | 81 | 140 | 66 |
| 28 | 33 | 16 | 12 | 14 | 14 | 24 | 65 | 728 | 205 | 111 | 108 | 59 |
| 29 | 32 | 16 | 12 | 16 | 14 | 24 | 60 | 668 | 192 | 106 | 90 | 53 |
| 30 | 31 | 16 | 12 | 15 | --- | 24 | 57 | 614 | 172 | 97 | 79 | 50 |
| 31 | 30 | --- | 11 | 15 | --- | 25 | --- | 535 | --- | 87 | 72 | --- |
| TOTAL | 1800 | 661 | 410 | 373.0 | 450 | 563 | 1619 | 13986 | 8529 | 3127 | 2681 | 1596 |
| MEAN | 58.1 | 22.0 | 13.2 | 12.0 | 15.5 | 18.2 | 54.0 | 451 | 284 | 101 | 86.5 | 53.2 |
| AC-FT | 3570 | 1310 | 813 | 740 | 893 | 1120 | 3210 | 27740 | 16920 | 6200 | 5320 | 3170 |
| MAX | 89 | 30 | 17 | 16 | 16 | 25 | 102 | 956 | 515 | 165 | 210 | 97 |
| MIN | 30 | 16 | 11 | 9.0 | 14 | 14 | 25 | 52 | 172 | 64 | 51 | 33 |

CAL YR 1983 TOTAL 35940 MEAN 98.5 MAX 825 MIN 10 AC-FT 71290
WTR YR 1984 TOTAL 35795.0 MEAN 97.8 MAX 956 MIN 9.0 AC-FT 71000

MAX DISCH 1172 CFS AT 2130 23-MAY-1984 GH 3.99 FT. SHIFT 0.00 FT. MAX GH 3.99 FT. AT 2130 23-MAY-1984



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1985)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

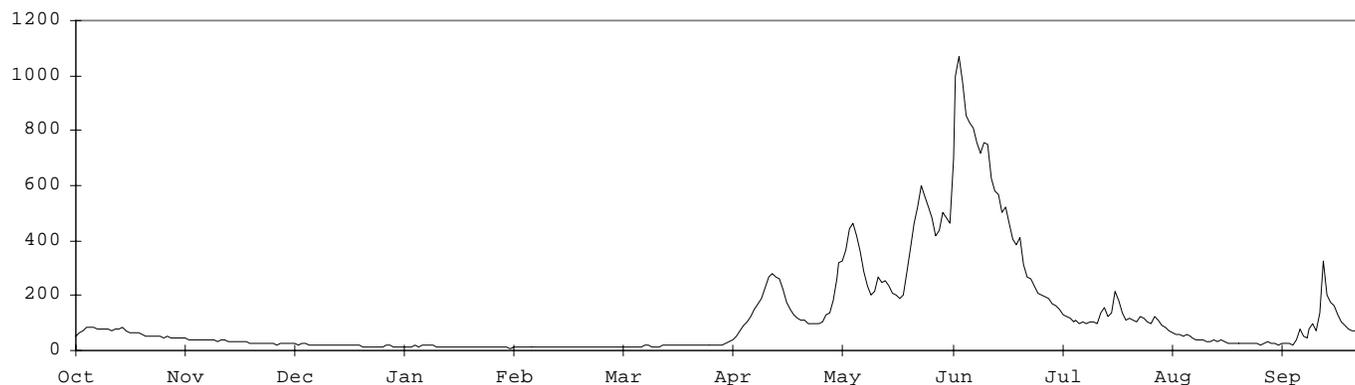
RATING TABLE.--FLOALECO03 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|-------|------|------|-------|-------|------|------|------|
| 1 | 51 | 44 | 24 | 14 | 9.0 | 14 | 18 | 129 | 415 | 205 | 95 | 22 |
| 2 | 65 | 42 | 24 | 14 | 10 | 14 | 21 | 135 | 440 | 197 | 125 | 24 |
| 3 | 73 | 42 | 22 | 14 | 12 | 14 | 25 | 182 | 500 | 187 | 111 | 33 |
| 4 | 82 | 42 | 23 | 14 | 10 | 12 | 31 | 262 | 480 | 172 | 93 | 29 |
| 5 | 85 | 41 | 23 | 17 | 10 | 14 | 38 | 321 | 460 | 162 | 82 | 26 |
| 6 | 84 | 42 | 22 | 16 | 12 | 12 | 53 | 324 | 700 | 151 | 75 | 22 |
| 7 | 81 | 39 | 22 | 17 | 14 | 14 | 71 | 363 | 1000 | 129 | 66 | 24 |
| 8 | 81 | 40 | 22 | 17 | 16 | 14 | 90 | 446 | 1070 | 121 | 61 | 29 |
| 9 | 81 | 37 | 22 | 17 | 14 | 14 | 106 | 465 | 980 | 115 | 57 | 24 |
| 10 | 79 | 34 | 22 | 17 | 14 | 16 | 127 | 420 | 856 | 106 | 53 | 22 |
| 11 | 73 | 39 | 22 | 16 | 14 | 18 | 151 | 359 | 828 | 111 | 60 | 40 |
| 12 | 81 | 36 | 20 | 16 | 14 | 18 | 167 | 286 | 807 | 99 | 52 | 76 |
| 13 | 79 | 35 | 21 | 14 | 14 | 16 | 192 | 235 | 758 | 104 | 46 | 52 |
| 14 | 85 | 34 | 19 | 14 | 14 | 16 | 226 | 205 | 716 | 95 | 42 | 45 |
| 15 | 72 | 31 | 20 | 14 | 16 | 15 | 265 | 214 | 758 | 102 | 40 | 80 |
| 16 | 66 | 32 | 18 | 14 | 16 | 17 | 279 | 265 | 752 | 104 | 38 | 99 |
| 17 | 63 | 32 | 18 | 14 | 16 | 17 | 268 | 247 | 626 | 95 | 35 | 75 |
| 18 | 66 | 31 | 18 | 12 | 16 | 17 | 259 | 253 | 578 | 135 | 35 | 136 |
| 19 | 64 | 27 | 18 | 14 | 14 | 17 | 220 | 235 | 566 | 155 | 37 | 328 |
| 20 | 59 | 27 | 18 | 14 | 14 | 17 | 177 | 211 | 500 | 123 | 33 | 202 |
| 21 | 55 | 27 | 14 | 14 | 14 | 17 | 153 | 202 | 520 | 136 | 38 | 179 |
| 22 | 53 | 28 | 12 | 12 | 14 | 17 | 129 | 187 | 460 | 214 | 32 | 162 |
| 23 | 53 | 28 | 12 | 12 | 12 | 17 | 117 | 200 | 407 | 184 | 29 | 129 |
| 24 | 51 | 27 | 12 | 12 | 12 | 18 | 113 | 290 | 387 | 137 | 28 | 106 |
| 25 | 49 | 26 | 14 | 12 | 12 | 21 | 108 | 371 | 411 | 113 | 26 | 90 |
| 26 | 47 | 23 | 14 | 12 | 12 | 22 | 100 | 460 | 310 | 115 | 25 | 79 |
| 27 | 49 | 22 | 16 | 12 | 12 | 22 | 97 | 520 | 268 | 108 | 25 | 73 |
| 28 | 47 | 25 | 17 | 14 | 14 | 20 | 97 | 600 | 259 | 106 | 28 | 75 |
| 29 | 45 | 25 | 17 | 12 | --- | 20 | 97 | 560 | 238 | 127 | 25 | 75 |
| 30 | 46 | 24 | 16 | 12 | --- | 18 | 104 | 520 | 211 | 117 | 23 | 65 |
| 31 | 45 | --- | 16 | 12 | --- | 18 | --- | 480 | --- | 106 | 23 | --- |
| TOTAL | 2010 | 982 | 578 | 435 | 371.0 | 516 | 3899 | 9947 | 17261 | 4131 | 1538 | 2421 |
| MEAN | 64.8 | 32.7 | 18.6 | 14.0 | 13.3 | 16.6 | 130 | 321 | 575 | 133 | 49.6 | 80.7 |
| AC-FT | 3990 | 1950 | 1150 | 863 | 736 | 1020 | 7730 | 19730 | 34240 | 8190 | 3050 | 4800 |
| MAX | 85 | 44 | 24 | 17 | 16 | 22 | 279 | 600 | 1070 | 214 | 125 | 328 |
| MIN | 45 | 22 | 12 | 12 | 9.0 | 12 | 18 | 129 | 211 | 95 | 23 | 22 |

| | | | | | | | | | |
|-------------------|---------|------|-----|-----|------|-----|-----|-------|-------|
| CAL YR 1984 TOTAL | 36904.0 | MEAN | 101 | MAX | 956 | MIN | 9.0 | AC-FT | 73200 |
| WTR YR 1985 TOTAL | 44089.0 | MEAN | 121 | MAX | 1070 | MIN | 9.0 | AC-FT | 87450 |

MAX DISCH 1356 CFS AT 2200 08-JUN-1985 GH 4.21 FT. SHIFT 0.01 FT. MAX GH 4.21 FT. AT 2200 08-JUN-1985



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1986)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

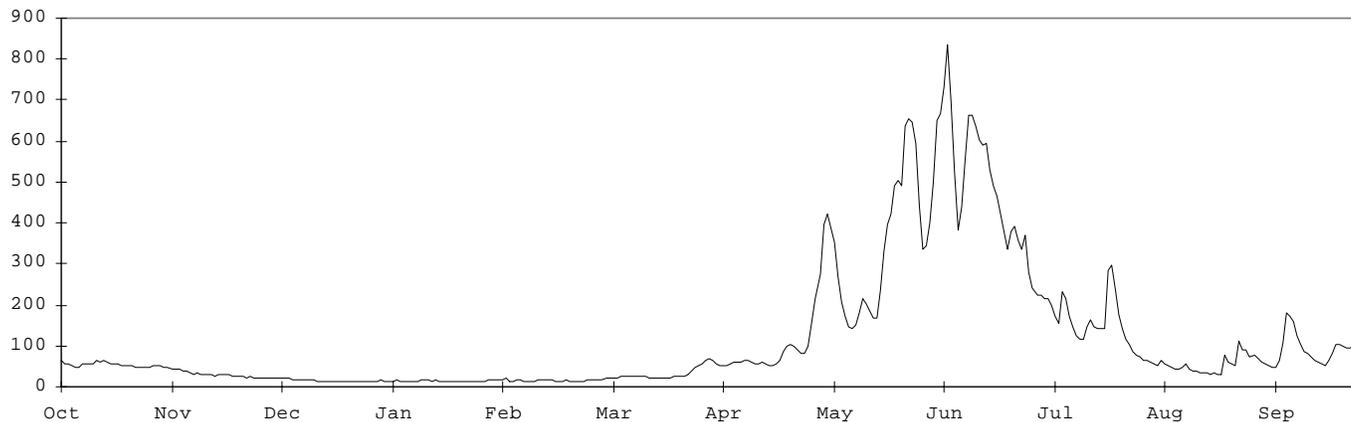
RATING TABLE.--FLOALECO03 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|------|------|
| 1 | 63 | 42 | 22 | 15 | 18 | 19 | 69 | 217 | 343 | 241 | 66 | 76 |
| 2 | 58 | 41 | 21 | 15 | 18 | 19 | 65 | 276 | 399 | 223 | 63 | 68 |
| 3 | 54 | 41 | 21 | 17 | 20 | 20 | 55 | 395 | 500 | 223 | 60 | 61 |
| 4 | 51 | 39 | 20 | 15 | 15 | 20 | 52 | 420 | 650 | 214 | 58 | 54 |
| 5 | 48 | 39 | 18 | 15 | 15 | 22 | 50 | 387 | 668 | 217 | 53 | 50 |
| 6 | 46 | 35 | 18 | 15 | 16 | 23 | 52 | 351 | 734 | 197 | 64 | 46 |
| 7 | 57 | 32 | 18 | 15 | 16 | 26 | 57 | 265 | 835 | 172 | 58 | 47 |
| 8 | 57 | 34 | 18 | 15 | 14 | 27 | 59 | 208 | 698 | 155 | 51 | 66 |
| 9 | 55 | 32 | 17 | 15 | 14 | 27 | 61 | 172 | 525 | 232 | 46 | 108 |
| 10 | 57 | 30 | 18 | 16 | 12 | 25 | 61 | 148 | 383 | 217 | 45 | 179 |
| 11 | 65 | 29 | 16 | 16 | 14 | 24 | 64 | 142 | 438 | 174 | 45 | 174 |
| 12 | 61 | 28 | 14 | 17 | 16 | 24 | 63 | 151 | 555 | 146 | 46 | 160 |
| 13 | 63 | 26 | 15 | 15 | 18 | 24 | 61 | 182 | 662 | 127 | 55 | 125 |
| 14 | 60 | 29 | 15 | 17 | 16 | 24 | 58 | 214 | 662 | 115 | 45 | 102 |
| 15 | 55 | 30 | 15 | 13 | 16 | 22 | 57 | 202 | 638 | 117 | 40 | 87 |
| 16 | 57 | 30 | 15 | 13 | 16 | 22 | 59 | 184 | 602 | 146 | 37 | 82 |
| 17 | 55 | 29 | 15 | 14 | 15 | 22 | 58 | 169 | 590 | 165 | 35 | 73 |
| 18 | 53 | 27 | 15 | 14 | 15 | 20 | 53 | 169 | 596 | 146 | 33 | 65 |
| 19 | 53 | 26 | 15 | 14 | 15 | 20 | 52 | 235 | 530 | 144 | 33 | 61 |
| 20 | 51 | 25 | 15 | 14 | 16 | 22 | 54 | 332 | 490 | 140 | 31 | 57 |
| 21 | 50 | 24 | 15 | 14 | 15 | 22 | 65 | 395 | 465 | 144 | 33 | 52 |
| 22 | 49 | 22 | 15 | 13 | 14 | 24 | 84 | 424 | 420 | 286 | 32 | 65 |
| 23 | 48 | 24 | 15 | 15 | 13 | 24 | 99 | 490 | 379 | 296 | 32 | 82 |
| 24 | 47 | 23 | 15 | 15 | 13 | 25 | 104 | 505 | 335 | 241 | 79 | 102 |
| 25 | 48 | 22 | 15 | 13 | 14 | 27 | 99 | 490 | 379 | 177 | 60 | 104 |
| 26 | 49 | 23 | 15 | 13 | 16 | 30 | 90 | 638 | 391 | 140 | 54 | 100 |
| 27 | 50 | 22 | 15 | 14 | 17 | 39 | 81 | 656 | 359 | 117 | 52 | 93 |
| 28 | 51 | 22 | 15 | 14 | 18 | 48 | 81 | 644 | 335 | 102 | 113 | 93 |
| 29 | 50 | 22 | 15 | 16 | --- | 51 | 100 | 596 | 371 | 87 | 92 | 99 |
| 30 | 49 | 20 | 17 | 18 | --- | 57 | 155 | 442 | 282 | 79 | 90 | 92 |
| 31 | 47 | --- | 15 | 18 | --- | 65 | --- | 335 | --- | 72 | 72 | --- |
| TOTAL | 1657 | 868 | 508 | 463 | 435 | 864 | 2118 | 10434 | 15214 | 5252 | 1673 | 2623 |
| MEAN | 53.5 | 28.9 | 16.4 | 14.9 | 15.5 | 27.9 | 70.6 | 337 | 507 | 169 | 54.0 | 87.4 |
| AC-FT | 3290 | 1720 | 1010 | 918 | 863 | 1710 | 4200 | 20700 | 30180 | 10420 | 3320 | 5200 |
| MAX | 65 | 42 | 22 | 18 | 20 | 65 | 155 | 656 | 835 | 296 | 113 | 179 |
| MIN | 46 | 20 | 14 | 13 | 12 | 19 | 50 | 142 | 282 | 72 | 31 | 46 |

CAL YR 1985 TOTAL 43552.0 MEAN 119 MAX 1070 MIN 9.0 AC-FT 86390
WTR YR 1986 TOTAL 42109 MEAN 115 MAX 835 MIN 12 AC-FT 83520

MAX DISCH 1100 CFS AT 2215 06-JUN-1986 GH 3.88 FT. SHIFT 0.02 FT. MAX GH 3.88 FT. AT 2215 06-JUN-1986



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1987)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

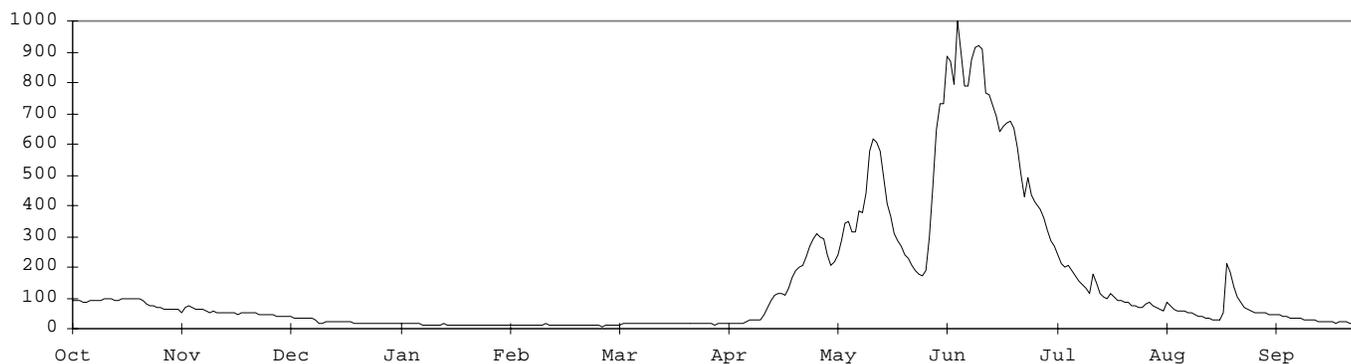
RATING TABLE.--FLOALECO03 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|-------|------|------|-------|-------|-------|------|------|
| 1 | 90 | 54 | 38 | 16 | 14 | 10 | 13 | 300 | 295 | 412 | 82 | 54 |
| 2 | 92 | 71 | 38 | 18 | 14 | 10 | 16 | 293 | 465 | 386 | 87 | 52 |
| 3 | 92 | 73 | 37 | 16 | 12 | 12 | 18 | 239 | 647 | 358 | 76 | 52 |
| 4 | 87 | 69 | 35 | 18 | 14 | 12 | 20 | 208 | 733 | 321 | 68 | 49 |
| 5 | 88 | 64 | 35 | 18 | 14 | 14 | 18 | 215 | 731 | 286 | 61 | 47 |
| 6 | 92 | 63 | 35 | 18 | 12 | 16 | 18 | 241 | 883 | 267 | 57 | 44 |
| 7 | 92 | 61 | 34 | 16 | 12 | 16 | 18 | 284 | 868 | 240 | 86 | 43 |
| 8 | 92 | 55 | 32 | 14 | 12 | 17 | 18 | 343 | 795 | 213 | 75 | 43 |
| 9 | 92 | 54 | 26 | 12 | 14 | 16 | 20 | 347 | 999 | 200 | 63 | 41 |
| 10 | 96 | 56 | 20 | 12 | 14 | 16 | 24 | 315 | 897 | 203 | 58 | 38 |
| 11 | 98 | 54 | 20 | 10 | 14 | 16 | 29 | 312 | 788 | 188 | 58 | 36 |
| 12 | 96 | 53 | 22 | 12 | 16 | 16 | 31 | 383 | 788 | 170 | 57 | 34 |
| 13 | 91 | 51 | 22 | 14 | 14 | 16 | 28 | 376 | 875 | 156 | 54 | 32 |
| 14 | 93 | 50 | 24 | 16 | 14 | 17 | 31 | 438 | 916 | 141 | 49 | 32 |
| 15 | 95 | 49 | 24 | 14 | 12 | 17 | 45 | 576 | 922 | 131 | 45 | 30 |
| 16 | 98 | 49 | 24 | 12 | 12 | 17 | 66 | 619 | 908 | 117 | 41 | 29 |
| 17 | 98 | 47 | 24 | 14 | 12 | 16 | 89 | 608 | 765 | 176 | 38 | 27 |
| 18 | 98 | 49 | 24 | 14 | 10 | 16 | 106 | 578 | 758 | 149 | 35 | 26 |
| 19 | 96 | 53 | 22 | 12 | 10 | 17 | 116 | 491 | 727 | 117 | 33 | 24 |
| 20 | 95 | 51 | 20 | 14 | 10 | 16 | 116 | 404 | 689 | 105 | 31 | 23 |
| 21 | 90 | 50 | 20 | 14 | 10 | 16 | 111 | 364 | 639 | 100 | 31 | 22 |
| 22 | 81 | 50 | 20 | 14 | 10 | 16 | 130 | 308 | 660 | 115 | 31 | 21 |
| 23 | 77 | 47 | 18 | 12 | 10 | 16 | 168 | 288 | 666 | 101 | 50 | 21 |
| 24 | 73 | 46 | 18 | 12 | 10 | 16 | 190 | 270 | 672 | 91 | 214 | 19 |
| 25 | 69 | 45 | 18 | 12 | 10 | 16 | 202 | 242 | 654 | 92 | 182 | 21 |
| 26 | 67 | 45 | 18 | 12 | 10 | 16 | 208 | 228 | 586 | 84 | 138 | 22 |
| 27 | 65 | 43 | 18 | 12 | 10 | 16 | 237 | 203 | 501 | 88 | 101 | 21 |
| 28 | 63 | 42 | 18 | 12 | 8.0 | 16 | 266 | 191 | 429 | 77 | 83 | 19 |
| 29 | 63 | 41 | 18 | 12 | --- | 15 | 292 | 179 | 490 | 72 | 71 | 18 |
| 30 | 61 | 40 | 18 | 12 | --- | 16 | 307 | 172 | 433 | 69 | 63 | 17 |
| 31 | 62 | --- | 18 | 14 | --- | 15 | --- | 188 | --- | 67 | 57 | --- |
| TOTAL | 2642 | 1575 | 758 | 428 | 334.0 | 477 | 2951 | 10203 | 21179 | 5292 | 2175 | 957 |
| MEAN | 85.2 | 52.5 | 24.5 | 13.8 | 11.9 | 15.4 | 98.4 | 329 | 706 | 171 | 70.2 | 31.9 |
| AC-FT | 5240 | 3120 | 1500 | 849 | 662 | 946 | 5850 | 20240 | 42010 | 10500 | 4310 | 1900 |
| MAX | 98 | 73 | 38 | 18 | 16 | 17 | 307 | 619 | 999 | 412 | 214 | 54 |
| MIN | 61 | 40 | 18 | 10 | 8.0 | 10 | 13 | 172 | 295 | 67 | 31 | 17 |

| | | | | | | | | | |
|-------------------|---------|------|-----|-----|-----|-----|-----|-------|-------|
| CAL YR 1986 TOTAL | 44051 | MEAN | 121 | MAX | 835 | MIN | 12 | AC-FT | 87380 |
| WTR YR 1987 TOTAL | 48971.0 | MEAN | 134 | MAX | 999 | MIN | 8.0 | AC-FT | 97130 |

MAX DISCH 1132 CFS AT 2215 15-JUN-1987 GH 3.82 FT. SHIFT 0.12 FT. MAX GH 3.82 FT. AT 2215 15-JUN-1987



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1988)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

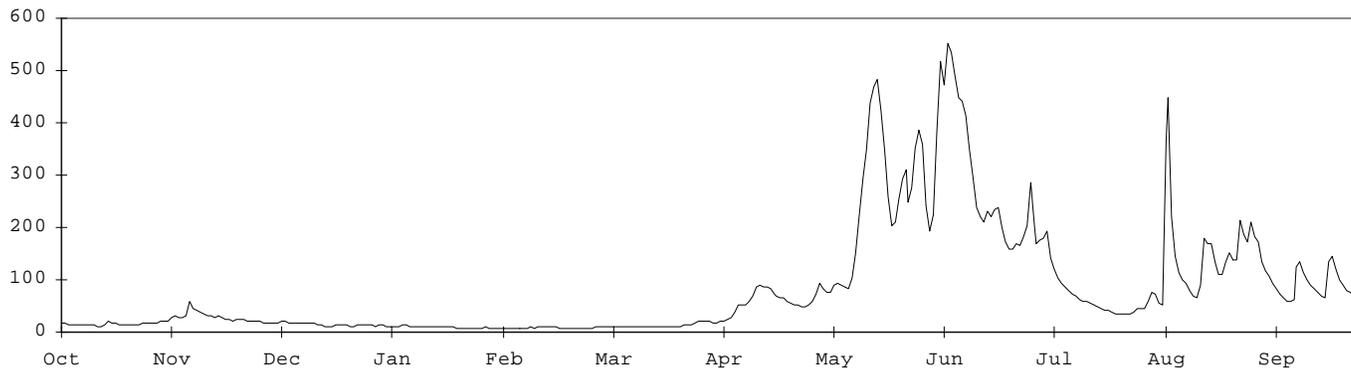
RATING TABLE.--FLOALECO03 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|-------|-------|-------|------|-------|-------|------|------|------|
| 1 | 17 | 27 | 18 | 12 | 8.0 | 9.5 | 16 | 92 | 193 | 169 | 58 | 173 |
| 2 | 16 | 30 | 19 | 11 | 8.0 | 9.8 | 18 | 83 | 223 | 177 | 77 | 136 |
| 3 | 15 | 28 | 19 | 11 | 8.0 | 9.8 | 21 | 77 | 383 | 181 | 71 | 116 |
| 4 | 15 | 28 | 18 | 12 | 8.0 | 10 | 22 | 77 | 516 | 194 | 56 | 106 |
| 5 | 14 | 30 | 18 | 13 | 7.0 | 9.0 | 23 | 89 | 471 | 142 | 51 | 94 |
| 6 | 14 | 60 | 18 | 13 | 7.0 | 9.5 | 28 | 94 | 553 | 122 | 365 | 83 |
| 7 | 13 | 46 | 16 | 12 | 7.0 | 10 | 39 | 89 | 535 | 105 | 448 | 74 |
| 8 | 13 | 40 | 16 | 12 | 7.0 | 9.0 | 52 | 85 | 488 | 94 | 221 | 67 |
| 9 | 13 | 37 | 16 | 12 | 7.0 | 9.0 | 52 | 84 | 447 | 86 | 145 | 60 |
| 10 | 13 | 34 | 16 | 12 | 8.8 | 10 | 53 | 104 | 442 | 79 | 115 | 57 |
| 11 | 12 | 31 | 17 | 12 | 8.0 | 9.0 | 57 | 152 | 414 | 74 | 99 | 62 |
| 12 | 12 | 30 | 14 | 10 | 9.0 | 9.0 | 69 | 224 | 349 | 69 | 94 | 124 |
| 13 | 14 | 29 | 14 | 10 | 10 | 9.0 | 86 | 292 | 297 | 62 | 79 | 135 |
| 14 | 19 | 30 | 12 | 10 | 9.0 | 9.0 | 88 | 350 | 238 | 58 | 69 | 114 |
| 15 | 17 | 27 | 10 | 11 | 9.0 | 9.5 | 85 | 439 | 222 | 57 | 64 | 99 |
| 16 | 16 | 24 | 12 | 12 | 10 | 9.5 | 86 | 470 | 212 | 56 | 90 | 89 |
| 17 | 15 | 23 | 14 | 11 | 9.0 | 9.5 | 82 | 483 | 232 | 52 | 178 | 82 |
| 18 | 15 | 22 | 14 | 10 | 8.0 | 9.0 | 74 | 425 | 222 | 48 | 168 | 76 |
| 19 | 15 | 24 | 15 | 9.0 | 8.0 | 10 | 70 | 350 | 235 | 45 | 168 | 69 |
| 20 | 14 | 24 | 14 | 8.0 | 8.0 | 10 | 66 | 257 | 237 | 43 | 133 | 64 |
| 21 | 14 | 23 | 10 | 8.0 | 8.0 | 10 | 64 | 204 | 200 | 41 | 109 | 133 |
| 22 | 14 | 22 | 12 | 8.0 | 8.0 | 11 | 60 | 209 | 172 | 37 | 110 | 146 |
| 23 | 14 | 21 | 14 | 8.0 | 8.0 | 12 | 56 | 255 | 157 | 35 | 134 | 119 |
| 24 | 16 | 20 | 14 | 7.0 | 8.0 | 13 | 53 | 293 | 158 | 33 | 152 | 101 |
| 25 | 18 | 20 | 14 | 8.0 | 8.0 | 13 | 51 | 309 | 168 | 33 | 139 | 90 |
| 26 | 17 | 21 | 14 | 8.0 | 8.0 | 15 | 48 | 250 | 166 | 35 | 138 | 81 |
| 27 | 18 | 18 | 14 | 8.0 | 8.4 | 18 | 49 | 276 | 184 | 36 | 215 | 76 |
| 28 | 18 | 18 | 12 | 9.0 | 8.9 | 22 | 51 | 351 | 204 | 38 | 185 | 68 |
| 29 | 19 | 16 | 14 | 8.0 | 9.2 | 20 | 57 | 387 | 287 | 44 | 174 | 62 |
| 30 | 22 | 16 | 14 | 8.0 | --- | 21 | 72 | 360 | 203 | 46 | 211 | 58 |
| 31 | 20 | --- | 12 | 8.0 | --- | 20 | --- | 241 | --- | 46 | 184 | --- |
| TOTAL | 482 | 819 | 454 | 311.0 | 238.3 | 364.1 | 1648 | 7451 | 8808 | 2337 | 4500 | 2814 |
| MEAN | 15.5 | 27.3 | 14.6 | 10.0 | 8.22 | 11.7 | 54.9 | 240 | 294 | 75.4 | 145 | 93.8 |
| AC-FT | 956 | 1620 | 901 | 617 | 473 | 722 | 3270 | 14780 | 17470 | 4640 | 8930 | 5580 |
| MAX | 22 | 60 | 19 | 13 | 10 | 22 | 88 | 483 | 553 | 194 | 448 | 173 |
| MIN | 12 | 16 | 10 | 7.0 | 7.0 | 9.0 | 16 | 77 | 157 | 33 | 51 | 57 |

CAL YR 1987 TOTAL 45751.0 MEAN 125 MAX 999 MIN 8.0 AC-FT 90750
WTR YR 1988 TOTAL 30226.4 MEAN 82.6 MAX 553 MIN 7.0 AC-FT 59950

MAX DISCH 728 CFS AT 2200 06-JUN-1988 GH 3.32 FT. SHIFT 0.06 FT. MAX GH 3.32 FT. AT 2200 06-JUN-1988



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1989)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

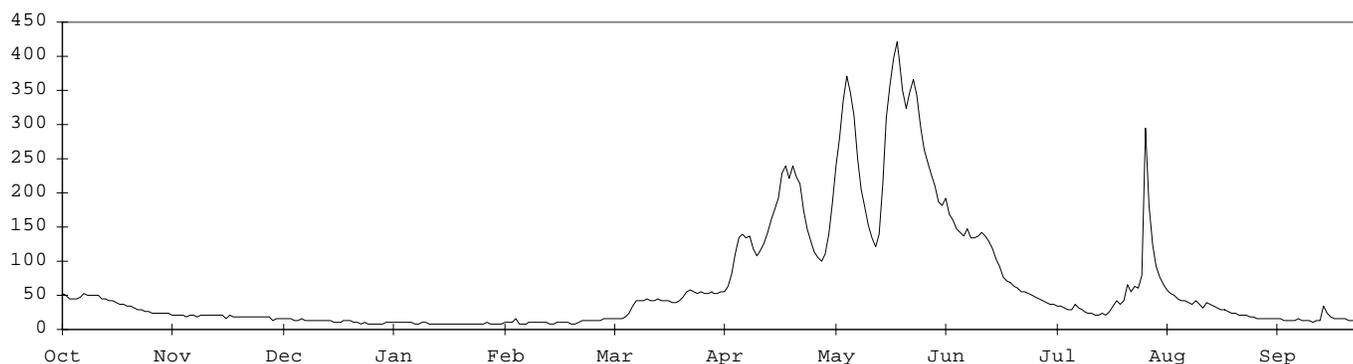
RATING TABLE.--FLOALECO03 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|-------|-------|-------|------|------|-------|------|------|------|------|
| 1 | 53 | 22 | 16 | 10 | 9.0 | 14 | 54 | 104 | 244 | 48 | 295 | 17 |
| 2 | 50 | 22 | 16 | 10 | 9.7 | 15 | 53 | 99 | 227 | 46 | 182 | 16 |
| 3 | 46 | 21 | 16 | 11 | 9.5 | 16 | 53 | 111 | 210 | 43 | 123 | 16 |
| 4 | 44 | 21 | 15 | 11 | 10 | 16 | 54 | 140 | 188 | 40 | 93 | 16 |
| 5 | 45 | 19 | 14 | 11 | 15 | 16 | 56 | 185 | 182 | 38 | 77 | 17 |
| 6 | 47 | 20 | 14 | 11 | 9.0 | 16 | 64 | 240 | 191 | 37 | 65 | 16 |
| 7 | 52 | 20 | 15 | 10 | 7.0 | 17 | 82 | 281 | 169 | 35 | 58 | 15 |
| 8 | 50 | 19 | 14 | 9.0 | 8.0 | 19 | 111 | 335 | 161 | 33 | 53 | 15 |
| 9 | 51 | 20 | 12 | 9.0 | 9.6 | 24 | 135 | 371 | 148 | 31 | 50 | 14 |
| 10 | 49 | 20 | 12 | 9.5 | 9.9 | 35 | 139 | 348 | 141 | 29 | 46 | 13 |
| 11 | 49 | 21 | 12 | 10 | 10 | 41 | 134 | 313 | 137 | 29 | 43 | 13 |
| 12 | 46 | 20 | 12 | 8.0 | 10 | 42 | 137 | 250 | 147 | 36 | 43 | 13 |
| 13 | 44 | 20 | 12 | 8.0 | 9.8 | 43 | 118 | 206 | 134 | 31 | 40 | 15 |
| 14 | 43 | 21 | 12 | 8.5 | 9.5 | 44 | 109 | 180 | 135 | 28 | 37 | 14 |
| 15 | 41 | 20 | 12 | 8.5 | 9.0 | 42 | 116 | 152 | 137 | 26 | 41 | 13 |
| 16 | 39 | 17 | 11 | 8.5 | 9.0 | 42 | 126 | 134 | 142 | 24 | 36 | 12 |
| 17 | 38 | 20 | 10 | 9.0 | 9.5 | 44 | 142 | 122 | 138 | 23 | 32 | 11 |
| 18 | 36 | 19 | 11 | 9.0 | 9.5 | 43 | 160 | 139 | 130 | 22 | 39 | 13 |
| 19 | 35 | 18 | 12 | 9.0 | 10 | 43 | 177 | 214 | 119 | 22 | 37 | 13 |
| 20 | 33 | 18 | 12 | 9.0 | 10 | 42 | 192 | 310 | 103 | 23 | 34 | 35 |
| 21 | 31 | 18 | 12 | 9.0 | 9.0 | 40 | 228 | 359 | 91 | 22 | 32 | 23 |
| 22 | 29 | 18 | 11 | 9.0 | 9.0 | 40 | 240 | 397 | 76 | 26 | 30 | 19 |
| 23 | 28 | 18 | 11 | 9.0 | 9.5 | 43 | 220 | 420 | 70 | 35 | 28 | 17 |
| 24 | 27 | 18 | 9.0 | 9.2 | 12 | 48 | 239 | 401 | 68 | 41 | 26 | 16 |
| 25 | 26 | 18 | 10 | 9.2 | 13 | 54 | 224 | 350 | 64 | 36 | 24 | 16 |
| 26 | 25 | 18 | 9.0 | 9.0 | 14 | 57 | 213 | 323 | 61 | 43 | 23 | 15 |
| 27 | 24 | 18 | 8.0 | 9.0 | 14 | 54 | 175 | 347 | 56 | 66 | 22 | 14 |
| 28 | 23 | 18 | 8.0 | 9.5 | 14 | 53 | 147 | 367 | 55 | 54 | 22 | 14 |
| 29 | 23 | 14 | 8.0 | 9.0 | --- | 55 | 128 | 341 | 53 | 62 | 20 | 13 |
| 30 | 25 | 16 | 9.0 | 9.0 | --- | 53 | 114 | 297 | 50 | 60 | 19 | 13 |
| 31 | 23 | --- | 10 | 9.0 | --- | 53 | --- | 263 | --- | 78 | 18 | --- |
| TOTAL | 1175 | 572 | 365.0 | 288.9 | 287.5 | 1164 | 4140 | 8099 | 3827 | 1167 | 1688 | 467 |
| MEAN | 37.9 | 19.1 | 11.8 | 9.32 | 10.3 | 37.5 | 138 | 261 | 128 | 37.6 | 54.5 | 15.6 |
| AC-FT | 2330 | 1130 | 724 | 573 | 570 | 2310 | 8210 | 16060 | 7590 | 2310 | 3350 | 926 |
| MAX | 53 | 22 | 16 | 11 | 15 | 57 | 240 | 420 | 244 | 78 | 295 | 35 |
| MIN | 23 | 14 | 8.0 | 8.0 | 7.0 | 14 | 53 | 99 | 50 | 22 | 18 | 11 |

CAL YR 1988 TOTAL 30583.4 MEAN 83.6 MAX 553 MIN 7.0 AC-FT 60660
WTR YR 1989 TOTAL 23240.4 MEAN 63.7 MAX 420 MIN 7.0 AC-FT 46100

MAX DISCH 510 CFS AT 2000 23-MAY-1989 GH 2.96 FT. SHIFT 0.04 FT. MAX GH 2.96 FT. AT 2000 23-MAY-1989



SAN JUAN RIVER BASIN

FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO (1990)

LOCATION.--Lat 37°25'40", long 107°40'39", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--51.3 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

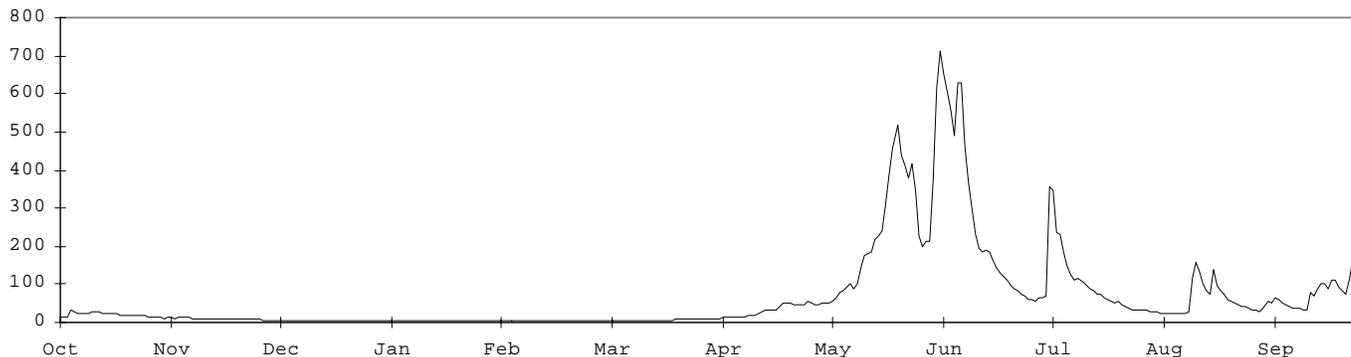
RATING TABLE.--FLOALECO03 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|------|------|
| 1 | 13 | 12 | 6.1 | 3.0 | 3.6 | 4.8 | 10 | 47 | 211 | 59 | 31 | 34 |
| 2 | 13 | 11 | 5.4 | 2.8 | 3.6 | 4.6 | 10 | 47 | 211 | 55 | 31 | 31 |
| 3 | 13 | 12 | 5.3 | 3.2 | 3.4 | 4.4 | 11 | 49 | 375 | 64 | 30 | 29 |
| 4 | 33 | 12 | 5.2 | 3.0 | 3.4 | 4.6 | 11 | 51 | 617 | 63 | 27 | 35 |
| 5 | 26 | 12 | 5.2 | 2.5 | 4.0 | 5.0 | 12 | 51 | 710 | 68 | 26 | 57 |
| 6 | 22 | 12 | 5.2 | 2.5 | 4.0 | 4.8 | 12 | 56 | 652 | 357 | 25 | 50 |
| 7 | 22 | 11 | 5.2 | 2.5 | 4.3 | 4.6 | 13 | 66 | 608 | 345 | 23 | 66 |
| 8 | 21 | 10 | 5.0 | 2.5 | 4.2 | 4.4 | 14 | 78 | 558 | 234 | 22 | 60 |
| 9 | 23 | 11 | 5.1 | 2.5 | 4.4 | 4.4 | 15 | 85 | 492 | 232 | 21 | 53 |
| 10 | 26 | 11 | 4.8 | 2.8 | 4.6 | 5.0 | 15 | 94 | 630 | 185 | 21 | 47 |
| 11 | 28 | 11 | 4.2 | 2.7 | 4.4 | 5.0 | 16 | 100 | 627 | 149 | 22 | 43 |
| 12 | 26 | 11 | 4.0 | 2.6 | 4.3 | 4.8 | 17 | 90 | 464 | 126 | 21 | 39 |
| 13 | 24 | 11 | 4.0 | 2.6 | 4.4 | 4.6 | 18 | 103 | 370 | 110 | 21 | 37 |
| 14 | 23 | 10 | 3.9 | 2.6 | 4.4 | 4.2 | 19 | 143 | 300 | 116 | 26 | 35 |
| 15 | 22 | 8.8 | 3.5 | 2.8 | 4.0 | 4.4 | 24 | 174 | 233 | 106 | 117 | 32 |
| 16 | 23 | 9.3 | 3.3 | 3.1 | 3.6 | 4.6 | 29 | 179 | 196 | 96 | 156 | 34 |
| 17 | 21 | 9.6 | 3.2 | 3.3 | 3.8 | 4.8 | 34 | 186 | 185 | 89 | 133 | 79 |
| 18 | 19 | 8.9 | 3.5 | 3.7 | 4.2 | 5.0 | 34 | 216 | 191 | 81 | 101 | 71 |
| 19 | 19 | 9.0 | 3.4 | 3.7 | 4.2 | 5.4 | 33 | 228 | 186 | 76 | 82 | 90 |
| 20 | 19 | 8.9 | 3.2 | 3.6 | 4.2 | 5.6 | 34 | 240 | 160 | 73 | 72 | 101 |
| 21 | 18 | 9.0 | 3.0 | 3.5 | 4.0 | 6.0 | 43 | 310 | 145 | 65 | 139 | 100 |
| 22 | 18 | 8.1 | 2.8 | 3.6 | 4.2 | 6.5 | 51 | 390 | 131 | 58 | 99 | 86 |
| 23 | 19 | 7.9 | 2.7 | 3.5 | 4.4 | 7.0 | 53 | 458 | 120 | 54 | 83 | 111 |
| 24 | 18 | 7.7 | 2.7 | 3.5 | 4.6 | 8.0 | 50 | 519 | 109 | 51 | 72 | 111 |
| 25 | 17 | 8.0 | 2.7 | 3.5 | 4.6 | 9.0 | 46 | 437 | 99 | 54 | 62 | 93 |
| 26 | 16 | 7.8 | 2.6 | 3.6 | 4.6 | 10 | 46 | 410 | 89 | 46 | 56 | 81 |
| 27 | 15 | 6.1 | 2.6 | 3.5 | 4.8 | 10 | 44 | 378 | 81 | 40 | 50 | 74 |
| 28 | 15 | 5.9 | 2.4 | 3.5 | 5.0 | 11 | 46 | 414 | 76 | 37 | 47 | 113 |
| 29 | 13 | 6.4 | 2.4 | 3.5 | --- | 11 | 54 | 347 | 70 | 34 | 43 | 168 |
| 30 | 11 | 6.3 | 2.4 | 3.7 | --- | 10 | 49 | 228 | 62 | 34 | 40 | 172 |
| 31 | 13 | --- | 2.4 | 3.5 | --- | 9.9 | --- | 197 | --- | 34 | 36 | --- |
| TOTAL | 609 | 284.7 | 117.4 | 96.9 | 117.2 | 193.4 | 863 | 6371 | 8958 | 3191 | 1735 | 2132 |
| MEAN | 19.6 | 9.49 | 3.79 | 3.13 | 4.19 | 6.24 | 28.8 | 206 | 299 | 103 | 56.0 | 71.1 |
| AC-FT | 1210 | 565 | 233 | 192 | 232 | 384 | 1710 | 12640 | 17770 | 6330 | 3440 | 4230 |
| MAX | 33 | 12 | 6.1 | 3.7 | 5.0 | 11 | 54 | 519 | 710 | 357 | 156 | 172 |
| MIN | 11 | 5.9 | 2.4 | 2.5 | 3.4 | 4.2 | 10 | 47 | 62 | 34 | 21 | 29 |

CAL YR 1989 TOTAL 22139.5 MEAN 60.7 MAX 420 MIN 2.4 AC-FT 43910
WTR YR 1990 TOTAL 24668.6 MEAN 67.6 MAX 710 MIN 2.4 AC-FT 48930

MAX DISCH 1004 CFS AT 1945 05-JUN-1990 GH 3.73 FT. SHIFT 0.05 FT. MAX GH 3.73 FT. AT 1945 05-JUN-1990



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1980)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

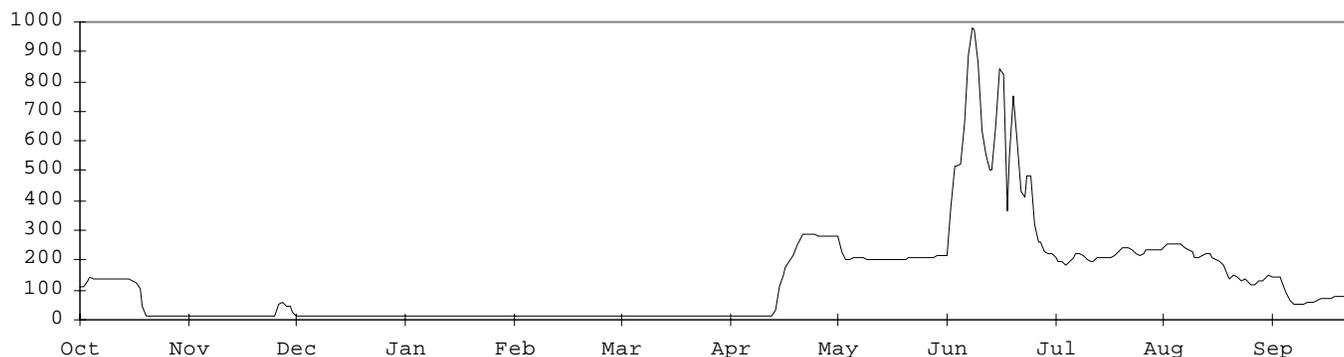
RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|
| 1 | 112 | 12 | 28 | 12 | 12 | 11 | 13 | 284 | 211 | 263 | 235 | 120 |
| 2 | 110 | 12 | 13 | 12 | 12 | 12 | 13 | 284 | 214 | 263 | 238 | 129 |
| 3 | 129 | 12 | 13 | 12 | 12 | 12 | 13 | 281 | 214 | 230 | 238 | 129 |
| 4 | 141 | 12 | 13 | 12 | 12 | 12 | 13 | 281 | 216 | 222 | 238 | 139 |
| 5 | 139 | 12 | 13 | 12 | 12 | 12 | 13 | 281 | 216 | 219 | 238 | 152 |
| 6 | 137 | 12 | 13 | 12 | 12 | 12 | 13 | 232 | 381 | 206 | 245 | 146 |
| 7 | 137 | 12 | 13 | 12 | 12 | 12 | 13 | 201 | 518 | 196 | 254 | 141 |
| 8 | 137 | 12 | 13 | 12 | 12 | 12 | 13 | 204 | 518 | 194 | 254 | 141 |
| 9 | 137 | 12 | 13 | 12 | 12 | 12 | 13 | 206 | 522 | 184 | 254 | 124 |
| 10 | 137 | 12 | 13 | 12 | 12 | 12 | 13 | 206 | 662 | 199 | 254 | 90 |
| 11 | 137 | 12 | 13 | 12 | 12 | 12 | 13 | 206 | 890 | 206 | 254 | 64 |
| 12 | 137 | 12 | 13 | 12 | 12 | 12 | 13 | 206 | 980 | 224 | 243 | 53 |
| 13 | 137 | 12 | 13 | 12 | 12 | 12 | 13 | 204 | 975 | 219 | 238 | 53 |
| 14 | 135 | 12 | 13 | 12 | 12 | 12 | 13 | 204 | 860 | 214 | 227 | 53 |
| 15 | 135 | 12 | 13 | 12 | 12 | 12 | 13 | 204 | 635 | 204 | 211 | 53 |
| 16 | 133 | 12 | 13 | 12 | 12 | 12 | 13 | 204 | 554 | 196 | 209 | 56 |
| 17 | 124 | 12 | 13 | 12 | 12 | 12 | 32 | 201 | 506 | 196 | 216 | 62 |
| 18 | 106 | 12 | 13 | 12 | 12 | 12 | 108 | 201 | 506 | 206 | 222 | 62 |
| 19 | 45 | 12 | 13 | 12 | 11 | 13 | 148 | 201 | 653 | 209 | 219 | 68 |
| 20 | 12 | 12 | 13 | 12 | 11 | 13 | 177 | 201 | 845 | 209 | 206 | 72 |
| 21 | 12 | 12 | 13 | 12 | 11 | 13 | 196 | 201 | 825 | 209 | 201 | 72 |
| 22 | 12 | 12 | 13 | 12 | 11 | 13 | 214 | 201 | 364 | 209 | 199 | 72 |
| 23 | 12 | 12 | 13 | 12 | 11 | 13 | 249 | 201 | 542 | 214 | 180 | 74 |
| 24 | 12 | 12 | 13 | 12 | 11 | 13 | 275 | 204 | 752 | 232 | 148 | 77 |
| 25 | 12 | 12 | 13 | 12 | 11 | 13 | 290 | 206 | 604 | 240 | 139 | 80 |
| 26 | 12 | 12 | 13 | 12 | 11 | 13 | 290 | 209 | 434 | 240 | 150 | 80 |
| 27 | 12 | 53 | 13 | 12 | 11 | 13 | 287 | 209 | 412 | 240 | 141 | 80 |
| 28 | 12 | 60 | 13 | 12 | 11 | 13 | 287 | 209 | 486 | 238 | 133 | 76 |
| 29 | 12 | 47 | 13 | 12 | 11 | 13 | 284 | 209 | 482 | 224 | 139 | 72 |
| 30 | 12 | 47 | 12 | 12 | --- | 13 | 284 | 209 | 322 | 216 | 131 | 72 |
| 31 | 12 | --- | 12 | 12 | --- | 13 | --- | 211 | --- | 222 | 119 | --- |
| TOTAL | 2549 | 519 | 416 | 372 | 337 | 384 | 3329 | 6761 | 16299 | 6743 | 6373 | 2662 |
| MEAN | 82.2 | 17.3 | 13.4 | 12.0 | 11.6 | 12.4 | 111 | 218 | 543 | 218 | 206 | 88.7 |
| AC-FT | 5060 | 1030 | 825 | 738 | 668 | 762 | 6600 | 13410 | 32330 | 13370 | 12640 | 5280 |
| MAX | 141 | 60 | 28 | 12 | 12 | 13 | 290 | 284 | 980 | 263 | 254 | 152 |
| MIN | 12 | 12 | 12 | 12 | 11 | 11 | 13 | 201 | 211 | 184 | 119 | 53 |

CAL YR 1979 TOTAL 50952 MEAN 140 MAX 945 MIN 00 AC-FT 101060
WTR YR 1980 TOTAL 46744 MEAN 128 MAX 980 MIN 11 AC-FT 92720

MAX DISCH 985 CFS AT 1500 14-JUN-1980 GH 5.05 FT. SHIFT -0.02 FT. MAX GH 5.05 FT. AT 1500 14-JUN-1980



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1981)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

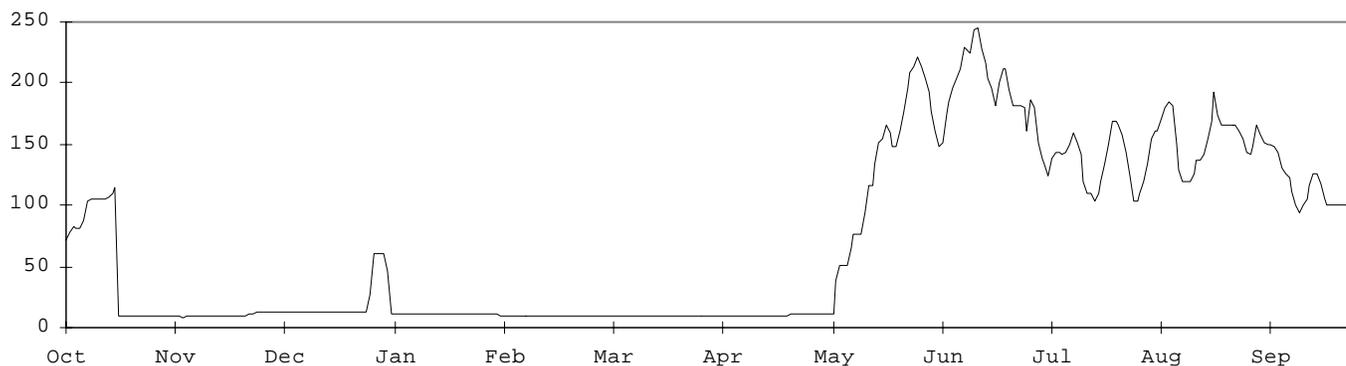
REMARKS.--Records good.

RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|---------|-------|------|------|-------|-------|-------|------|-------|-------|------|------|
| 1 | 72 | 9.7 | 13 | 11 | 10 | 9.9 | 9.2 | 11 | 204 | 187 | 110 | 141 |
| 2 | 78 | 9.7 | 13 | 11 | 10 | 9.9 | 9.2 | 11 | 192 | 180 | 120 | 148 |
| 3 | 83 | 7.9 | 13 | 11 | 10 | 9.9 | 9.2 | 11 | 177 | 152 | 133 | 166 |
| 4 | 82 | 9.7 | 13 | 11 | 10 | 9.9 | 9.2 | 11 | 161 | 139 | 155 | 157 |
| 5 | 82 | 10 | 13 | 11 | 10 | 9.8 | 9.2 | 11 | 148 | 133 | 161 | 152 |
| 6 | 87 | 10 | 13 | 11 | 10 | 9.8 | 9.2 | 11 | 152 | 124 | 161 | 150 |
| 7 | 103 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 38 | 175 | 139 | 170 | 150 |
| 8 | 105 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 51 | 184 | 144 | 180 | 148 |
| 9 | 105 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 51 | 196 | 144 | 184 | 144 |
| 10 | 105 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 51 | 204 | 141 | 182 | 131 |
| 11 | 105 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 65 | 211 | 144 | 150 | 126 |
| 12 | 105 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 76 | 229 | 150 | 129 | 122 |
| 13 | 106 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 76 | 227 | 159 | 120 | 112 |
| 14 | 110 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 76 | 224 | 152 | 120 | 101 |
| 15 | 114 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 94 | 243 | 141 | 120 | 94 |
| 16 | 10 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 116 | 246 | 120 | 126 | 101 |
| 17 | 10 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 116 | 227 | 110 | 137 | 105 |
| 18 | 10 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 133 | 216 | 110 | 137 | 116 |
| 19 | 10 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 152 | 204 | 103 | 141 | 126 |
| 20 | 10 | 10 | 13 | 11 | 10 | 9.8 | 9.7 | 155 | 196 | 110 | 155 | 126 |
| 21 | 10 | 10 | 13 | 11 | 10 | 9.7 | 9.7 | 166 | 182 | 120 | 168 | 118 |
| 22 | 10 | 11 | 13 | 11 | 10 | 9.7 | 9.7 | 159 | 201 | 133 | 192 | 105 |
| 23 | 10 | 11 | 13 | 11 | 10 | 9.7 | 9.7 | 148 | 211 | 150 | 173 | 101 |
| 24 | 9.7 | 12 | 13 | 11 | 10 | 9.7 | 11 | 148 | 211 | 168 | 166 | 101 |
| 25 | 9.7 | 12 | 13 | 11 | 10 | 9.7 | 11 | 161 | 194 | 168 | 166 | 101 |
| 26 | 9.7 | 12 | 27 | 11 | 10 | 9.7 | 11 | 177 | 182 | 166 | 166 | 101 |
| 27 | 9.7 | 12 | 60 | 11 | 9.9 | 9.7 | 11 | 196 | 182 | 157 | 166 | 101 |
| 28 | 9.7 | 12 | 60 | 11 | 9.9 | 9.7 | 11 | 209 | 182 | 144 | 166 | 101 |
| 29 | 9.7 | 13 | 60 | 11 | --- | 9.2 | 11 | 214 | 180 | 124 | 161 | 97 |
| 30 | 9.7 | 13 | 60 | 11 | --- | 9.2 | 11 | 222 | 161 | 103 | 155 | 116 |
| 31 | 9.7 | --- | 46 | 11 | --- | 9.2 | --- | 214 | --- | 103 | 144 | --- |
| TOTAL | 1599.6 | 315.0 | 638 | 341 | 279.8 | 301.6 | 297.1 | 3330 | 5902 | 4318 | 4714 | 3658 |
| MEAN | 51.6 | 10.5 | 20.6 | 11.0 | 9.99 | 9.73 | 9.90 | 107 | 197 | 139 | 152 | 122 |
| AC-FT | 3170 | 625 | 1270 | 676 | 555 | 598 | 589 | 6610 | 11710 | 8560 | 9350 | 7260 |
| MAX | 114 | 13 | 60 | 11 | 10 | 9.9 | 11 | 222 | 246 | 187 | 192 | 166 |
| MIN | 9.7 | 7.9 | 13 | 11 | 9.9 | 9.2 | 9.2 | 11 | 148 | 103 | 110 | 94 |
| CAL YR 1980 TOTAL | 45812.6 | | MEAN | 125 | MAX | 980 | MIN | 7.9 | AC-FT | 90870 | | |
| WTR YR 1981 TOTAL | 25694.1 | | MEAN | 70.4 | MAX | 246 | MIN | 7.9 | AC-FT | 50960 | | |

MAX DISCH 249 CFS AT 1300 15-JUN-1981 GH 3.24 FT. SHIFT 0.02 FT. MAX GH 3.24 FT. AT 1300 15-JUN-1981



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1982)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1981 TO 30-SEP-1982

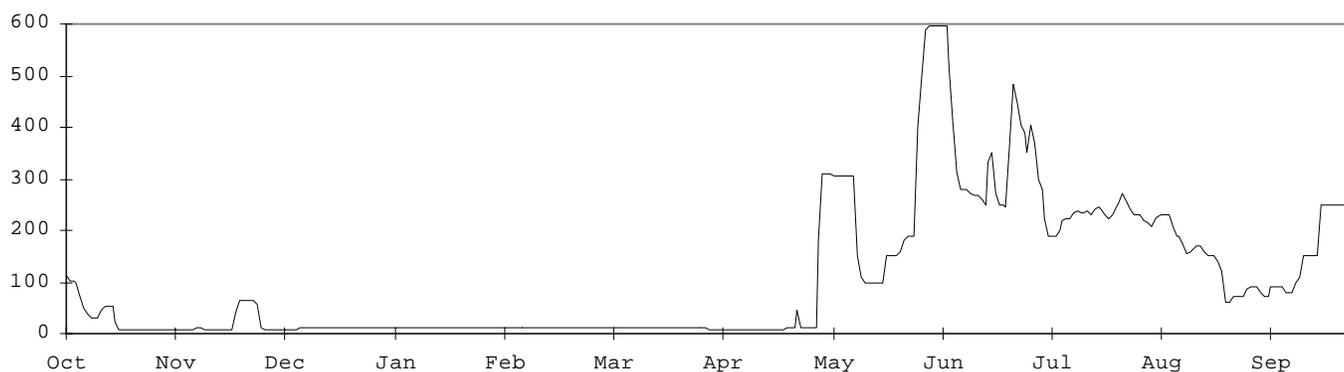
DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|-------|-------|------|------|-------|-------|-------|-------|-------|------|------|
| 1 | 114 | 9.2 | 9.0 | 10 | 10 | 10 | 9.0 | 11 | 590 | 402 | 232 | 90 |
| 2 | 101 | 9.2 | 9.0 | 10 | 10 | 10 | 9.0 | 182 | 595 | 370 | 219 | 90 |
| 3 | 101 | 9.2 | 9.0 | 10 | 10 | 10 | 9.0 | 308 | 595 | 300 | 214 | 90 |
| 4 | 97 | 9.2 | 9.0 | 10 | 10 | 10 | 9.0 | 308 | 595 | 278 | 209 | 80 |
| 5 | 70 | 9.2 | 9.0 | 10 | 10 | 10 | 9.0 | 308 | 595 | 222 | 222 | 70 |
| 6 | 50 | 9.2 | 9.5 | 10 | 10 | 10 | 9.0 | 304 | 595 | 189 | 227 | 70 |
| 7 | 39 | 9.7 | 9.5 | 10 | 10 | 10 | 9.0 | 304 | 595 | 189 | 229 | 90 |
| 8 | 32 | 9.7 | 9.5 | 10 | 10 | 10 | 9.2 | 304 | 518 | 189 | 232 | 90 |
| 9 | 30 | 9.2 | 9.5 | 10 | 10 | 10 | 9.2 | 304 | 412 | 201 | 232 | 90 |
| 10 | 31 | 9.2 | 9.5 | 10 | 10 | 10 | 9.2 | 304 | 314 | 219 | 209 | 90 |
| 11 | 47 | 9.2 | 9.5 | 10 | 10 | 10 | 9.2 | 304 | 281 | 222 | 187 | 80 |
| 12 | 52 | 9.2 | 9.5 | 10 | 10 | 10 | 9.2 | 305 | 281 | 224 | 189 | 80 |
| 13 | 52 | 9.0 | 9.5 | 10 | 10 | 10 | 8.8 | 150 | 281 | 235 | 175 | 80 |
| 14 | 52 | 9.0 | 9.5 | 10 | 10 | 10 | 8.8 | 110 | 272 | 238 | 155 | 100 |
| 15 | 23 | 9.0 | 9.5 | 10 | 10 | 10 | 8.4 | 100 | 269 | 235 | 157 | 110 |
| 16 | 8.4 | 9.0 | 9.5 | 10 | 10 | 9.5 | 8.4 | 100 | 269 | 235 | 166 | 150 |
| 17 | 8.4 | 9.0 | 9.5 | 10 | 10 | 9.5 | 8.4 | 100 | 260 | 238 | 168 | 150 |
| 18 | 7.9 | 40 | 9.5 | 10 | 10 | 9.5 | 8.4 | 100 | 249 | 229 | 168 | 150 |
| 19 | 7.9 | 65 | 10 | 10 | 10 | 9.5 | 8.4 | 100 | 332 | 240 | 160 | 150 |
| 20 | 7.4 | 65 | 10 | 10 | 10 | 9.5 | 8.8 | 100 | 350 | 246 | 150 | 150 |
| 21 | 7.4 | 65 | 10 | 10 | 10 | 9.5 | 9.2 | 150 | 272 | 243 | 150 | 250 |
| 22 | 7.4 | 65 | 10 | 10 | 10 | 9.5 | 9.2 | 150 | 249 | 229 | 150 | 250 |
| 23 | 7.4 | 65 | 10 | 10 | 10 | 9.5 | 9.7 | 150 | 249 | 224 | 140 | 250 |
| 24 | 7.4 | 55 | 10 | 10 | 10 | 9.5 | 9.7 | 150 | 246 | 232 | 120 | 250 |
| 25 | 7.4 | 12 | 10 | 10 | 10 | 9.5 | 9.7 | 160 | 357 | 246 | 60 | 250 |
| 26 | 7.4 | 9.0 | 10 | 10 | 10 | 9.5 | 45 | 180 | 482 | 252 | 60 | 250 |
| 27 | 7.9 | 9.0 | 10 | 10 | 10 | 9.5 | 11 | 190 | 450 | 272 | 70 | 250 |
| 28 | 7.9 | 9.0 | 10 | 10 | 10 | 9.5 | 11 | 190 | 402 | 257 | 70 | 250 |
| 29 | 8.4 | 9.0 | 10 | 10 | --- | 9.5 | 11 | 190 | 388 | 243 | 70 | 200 |
| 30 | 8.8 | 9.0 | 10 | 10 | --- | 9.5 | 11 | 400 | 350 | 232 | 70 | 130 |
| 31 | 8.8 | --- | 10 | 10 | --- | 9.5 | --- | 500 | --- | 232 | 85 | --- |
| TOTAL | 1017.2 | 633.4 | 298.5 | 310 | 280 | 302.0 | 313.9 | 6516 | 11693 | 7563 | 4945 | 4380 |
| MEAN | 32.8 | 21.1 | 9.63 | 10.0 | 10.0 | 9.74 | 10.5 | 210 | 390 | 244 | 160 | 146 |
| AC-FT | 2020 | 1260 | 592 | 615 | 555 | 599 | 623 | 12920 | 23190 | 15000 | 9810 | 8690 |
| MAX | 114 | 65 | 10 | 10 | 10 | 10 | 45 | 500 | 595 | 402 | 232 | 250 |
| MIN | 7.4 | 9.0 | 9.0 | 10 | 10 | 9.5 | 8.4 | 11 | 246 | 189 | 60 | 70 |

CAL YR 1981 TOTAL 25090.6 MEAN 68.7 MAX 246 MIN 7.4 AC-FT 49770

WTR YR 1982 TOTAL 38252.0 MEAN 105 MAX 595 MIN 7.4 AC-FT 75870

MAX DISCH 599 CFS AT 1200 06-JUN-1982 GH 4.31 FT. SHIFT -0.09 FT. MAX GH 4.31 FT. AT 1200 06-JUN-1982



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1983)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

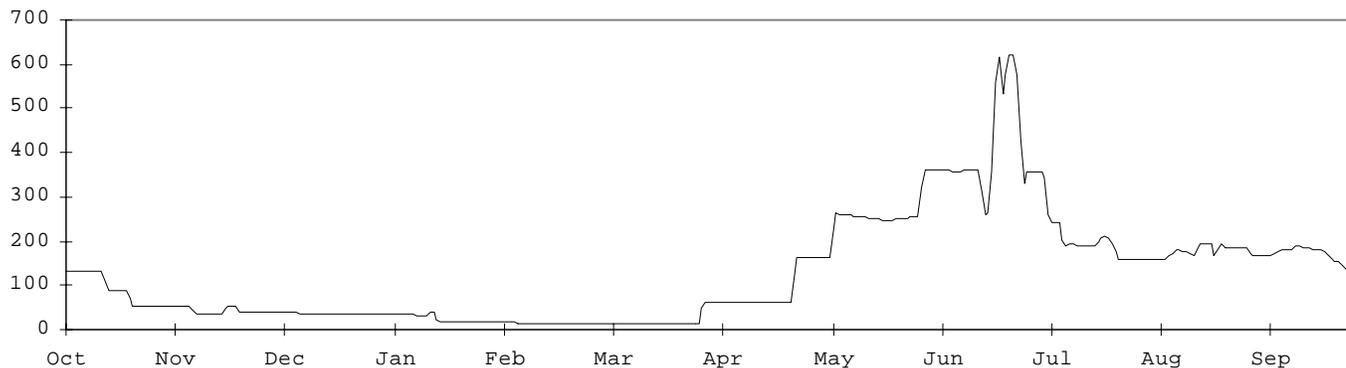
RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 1 | 130 | 52 | 38 | 34 | 16 | 14 | 62 | 161 | 360 | 356 | 157 | 173 |
| 2 | 130 | 52 | 38 | 34 | 16 | 14 | 62 | 161 | 360 | 356 | 157 | 166 |
| 3 | 130 | 52 | 38 | 34 | 16 | 14 | 62 | 161 | 360 | 356 | 157 | 166 |
| 4 | 130 | 52 | 38 | 34 | 16 | 14 | 62 | 161 | 360 | 356 | 157 | 166 |
| 5 | 130 | 52 | 38 | 34 | 16 | 13 | 62 | 161 | 360 | 342 | 157 | 168 |
| 6 | 130 | 44 | 37 | 34 | 15 | 13 | 62 | 227 | 360 | 260 | 157 | 168 |
| 7 | 130 | 35 | 37 | 34 | 15 | 13 | 62 | 263 | 360 | 243 | 157 | 168 |
| 8 | 130 | 35 | 37 | 33 | 15 | 13 | 62 | 260 | 360 | 243 | 157 | 170 |
| 9 | 130 | 35 | 37 | 33 | 15 | 13 | 61 | 260 | 356 | 243 | 166 | 175 |
| 10 | 130 | 35 | 37 | 33 | 15 | 13 | 61 | 260 | 356 | 201 | 173 | 180 |
| 11 | 130 | 35 | 37 | 33 | 15 | 13 | 61 | 260 | 356 | 189 | 182 | 180 |
| 12 | 110 | 35 | 37 | 38 | 15 | 13 | 61 | 257 | 360 | 192 | 182 | 180 |
| 13 | 90 | 35 | 37 | 40 | 15 | 12 | 61 | 254 | 360 | 192 | 177 | 182 |
| 14 | 90 | 35 | 37 | 20 | 15 | 12 | 61 | 254 | 360 | 189 | 177 | 189 |
| 15 | 90 | 50 | 37 | 16 | 15 | 12 | 61 | 254 | 360 | 189 | 173 | 189 |
| 16 | 90 | 55 | 36 | 16 | 15 | 12 | 61 | 252 | 360 | 189 | 168 | 187 |
| 17 | 90 | 55 | 36 | 16 | 15 | 12 | 61 | 252 | 311 | 189 | 177 | 187 |
| 18 | 90 | 55 | 36 | 16 | 15 | 12 | 61 | 252 | 260 | 189 | 194 | 184 |
| 19 | 72 | 40 | 36 | 16 | 15 | 12 | 61 | 252 | 263 | 189 | 194 | 182 |
| 20 | 54 | 39 | 36 | 16 | 15 | 12 | 60 | 246 | 356 | 196 | 192 | 182 |
| 21 | 54 | 39 | 36 | 16 | 15 | 12 | 60 | 246 | 558 | 206 | 192 | 182 |
| 22 | 54 | 39 | 36 | 16 | 15 | 12 | 62 | 246 | 617 | 211 | 167 | 177 |
| 23 | 54 | 39 | 36 | 16 | 15 | 12 | 62 | 246 | 534 | 206 | 179 | 173 |
| 24 | 53 | 39 | 35 | 16 | 15 | 12 | 62 | 249 | 578 | 194 | 194 | 161 |
| 25 | 53 | 39 | 35 | 16 | 15 | 12 | 126 | 249 | 622 | 177 | 187 | 155 |
| 26 | 53 | 39 | 35 | 16 | 14 | 12 | 161 | 252 | 622 | 157 | 187 | 155 |
| 27 | 53 | 39 | 35 | 16 | 14 | 12 | 161 | 252 | 578 | 157 | 187 | 146 |
| 28 | 53 | 39 | 35 | 16 | 14 | 12 | 161 | 254 | 426 | 157 | 184 | 137 |
| 29 | 53 | 38 | 35 | 16 | --- | 12 | 161 | 257 | 332 | 157 | 184 | 137 |
| 30 | 53 | 38 | 35 | 16 | --- | 48 | 161 | 257 | 356 | 157 | 184 | 120 |
| 31 | 53 | --- | 35 | 16 | --- | 62 | --- | 322 | --- | 157 | 184 | --- |
| TOTAL | 2792 | 1266 | 1128 | 740 | 422 | 474 | 2404 | 7438 | 12161 | 6795 | 5440 | 5085 |
| MEAN | 90.1 | 42.2 | 36.4 | 23.9 | 15.1 | 15.3 | 80.1 | 240 | 405 | 219 | 175 | 170 |
| AC-FT | 5540 | 2510 | 2240 | 1470 | 837 | 940 | 4770 | 14750 | 24120 | 13480 | 10790 | 10090 |
| MAX | 130 | 55 | 38 | 40 | 16 | 62 | 161 | 322 | 622 | 356 | 194 | 189 |
| MIN | 53 | 35 | 35 | 16 | 14 | 12 | 60 | 161 | 260 | 157 | 157 | 120 |

CAL YR 1982 TOTAL 41488.9 MEAN 114 MAX 595 MIN 8.4 AC-FT 82290
WTR YR 1983 TOTAL 46145 MEAN 126 MAX 622 MIN 12 AC-FT 91530

MAX DISCH 626 CFS AT 1730 26-JUN-1983 GH 4.30 FT. SHIFT -0.02 FT. MAX GH 4.30 FT. AT 1730 26-JUN-1983



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1984)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

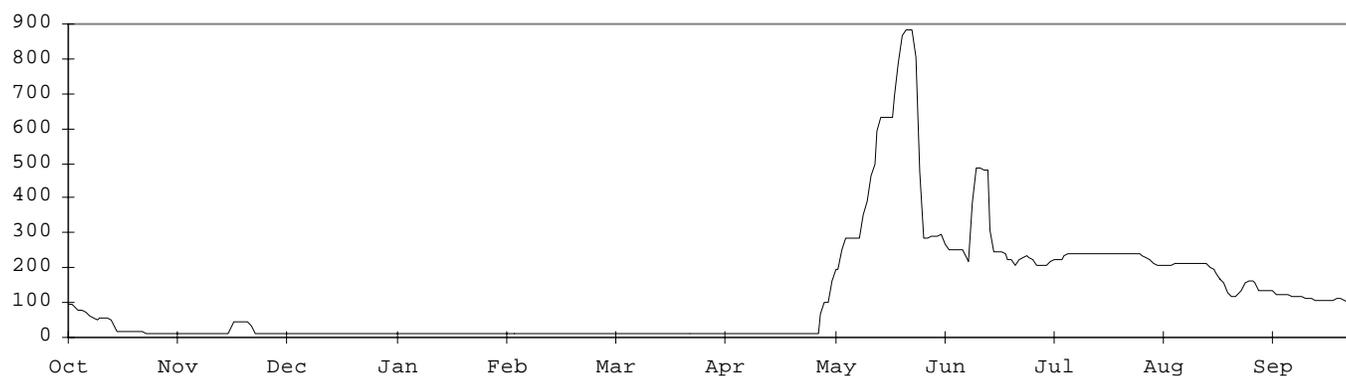
RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|------|
| 1 | 97 | 13 | 9.7 | 10 | 11 | 10 | 13 | 66 | 290 | 209 | 229 | 157 |
| 2 | 97 | 13 | 9.7 | 10 | 11 | 11 | 13 | 99 | 290 | 209 | 222 | 135 |
| 3 | 85 | 13 | 9.7 | 10 | 11 | 11 | 13 | 99 | 290 | 206 | 211 | 133 |
| 4 | 80 | 13 | 9.7 | 10 | 11 | 11 | 12 | 161 | 294 | 206 | 206 | 133 |
| 5 | 76 | 13 | 9.7 | 9.7 | 11 | 11 | 12 | 194 | 266 | 216 | 206 | 133 |
| 6 | 70 | 13 | 9.7 | 9.7 | 11 | 11 | 12 | 194 | 252 | 222 | 206 | 133 |
| 7 | 64 | 13 | 9.7 | 9.7 | 11 | 11 | 13 | 249 | 252 | 222 | 209 | 122 |
| 8 | 57 | 13 | 10 | 9.7 | 11 | 11 | 13 | 284 | 252 | 222 | 209 | 122 |
| 9 | 53 | 13 | 10 | 9.7 | 11 | 11 | 13 | 284 | 252 | 235 | 211 | 122 |
| 10 | 55 | 13 | 10 | 9.7 | 11 | 11 | 13 | 284 | 252 | 243 | 214 | 122 |
| 11 | 55 | 13 | 10 | 9.7 | 11 | 11 | 13 | 284 | 229 | 243 | 214 | 120 |
| 12 | 55 | 13 | 10 | 9.7 | 11 | 12 | 13 | 284 | 219 | 243 | 214 | 120 |
| 13 | 53 | 13 | 10 | 9.7 | 11 | 12 | 13 | 353 | 388 | 243 | 214 | 120 |
| 14 | 26 | 13 | 10 | 9.7 | 10 | 12 | 13 | 392 | 486 | 243 | 214 | 116 |
| 15 | 14 | 13 | 10 | 9.7 | 10 | 12 | 13 | 462 | 486 | 243 | 214 | 114 |
| 16 | 14 | 21 | 10 | 10 | 10 | 12 | 13 | 498 | 482 | 243 | 214 | 114 |
| 17 | 14 | 46 | 9.7 | 10 | 10 | 12 | 13 | 590 | 482 | 243 | 214 | 112 |
| 18 | 14 | 46 | 9.7 | 10 | 10 | 12 | 12 | 630 | 308 | 243 | 214 | 105 |
| 19 | 14 | 46 | 9.7 | 10 | 10 | 12 | 12 | 630 | 246 | 243 | 204 | 105 |
| 20 | 14 | 47 | 9.7 | 11 | 10 | 12 | 9.6 | 630 | 246 | 243 | 194 | 106 |
| 21 | 14 | 47 | 9.7 | 11 | 10 | 13 | 12 | 630 | 246 | 243 | 184 | 106 |
| 22 | 14 | 35 | 9.7 | 11 | 10 | 10 | 12 | 694 | 238 | 243 | 170 | 106 |
| 23 | 13 | 10 | 9.7 | 11 | 10 | 13 | 8.6 | 790 | 224 | 238 | 155 | 106 |
| 24 | 13 | 10 | 9.7 | 11 | 10 | 13 | 8.6 | 865 | 224 | 238 | 129 | 110 |
| 25 | 13 | 9.7 | 9.7 | 11 | 10 | 13 | 11 | 885 | 207 | 238 | 116 | 114 |
| 26 | 13 | 9.7 | 9.7 | 11 | 10 | 13 | 11 | 885 | 222 | 238 | 116 | 106 |
| 27 | 13 | 9.7 | 10 | 11 | 10 | 13 | 9.7 | 885 | 227 | 238 | 122 | 103 |
| 28 | 13 | 9.7 | 10 | 11 | 10 | 13 | 11 | 805 | 232 | 238 | 133 | 103 |
| 29 | 13 | 9.7 | 10 | 11 | 10 | 13 | 11 | 474 | 227 | 238 | 157 | 103 |
| 30 | 13 | 9.7 | 10 | 11 | --- | 13 | 11 | 284 | 222 | 238 | 164 | 103 |
| 31 | 13 | --- | 10 | 11 | --- | 13 | --- | 284 | --- | 232 | 164 | --- |
| TOTAL | 1152 | 561.2 | 304.9 | 318.7 | 303 | 368 | 357.5 | 14148 | 8531 | 7242 | 5843 | 3504 |
| MEAN | 37.2 | 18.7 | 9.84 | 10.3 | 10.4 | 11.9 | 11.9 | 456 | 284 | 234 | 188 | 117 |
| AC-FT | 2280 | 1110 | 605 | 632 | 601 | 730 | 709 | 28060 | 16920 | 14360 | 11590 | 6950 |
| MAX | 97 | 47 | 10 | 11 | 11 | 13 | 13 | 885 | 486 | 243 | 229 | 157 |
| MIN | 13 | 9.7 | 9.7 | 9.7 | 10 | 10 | 8.6 | 66 | 207 | 206 | 116 | 103 |

CAL YR 1983 TOTAL 42977.1 MEAN 118 MAX 622 MIN 9.7 AC-FT 85250
WTR YR 1984 TOTAL 42633.3 MEAN 116 MAX 885 MIN 8.6 AC-FT 84560

MAX DISCH 895 CFS AT 1300 26-MAY-1984 GH 4.83 FT. SHIFT 0.02 FT. MAX GH 4.83 FT. AT 1300 26-MAY-1984



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1985)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

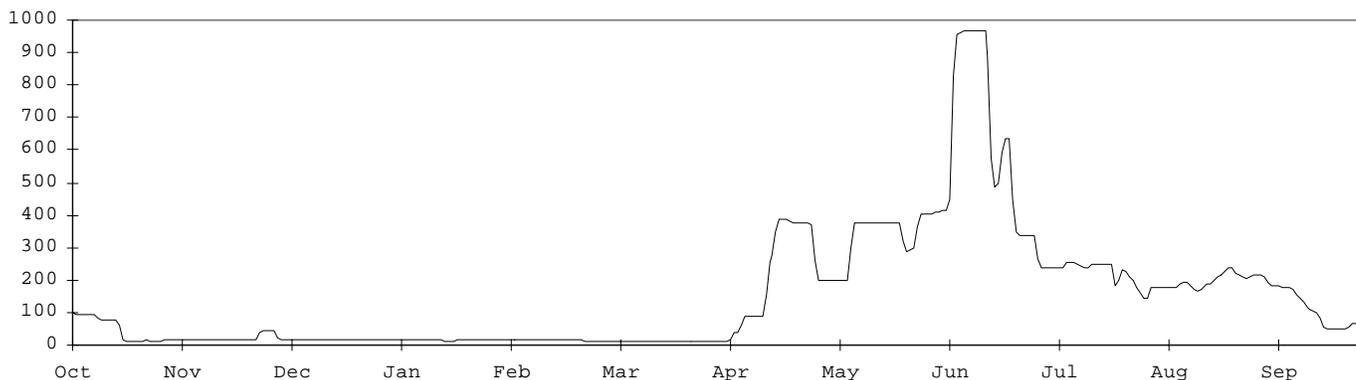
RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|-------|-------|-------|-------|-------|------|
| 1 | 99 | 14 | 14 | 14 | 14 | 13 | 13 | 199 | 406 | 266 | 145 | 214 |
| 2 | 94 | 14 | 14 | 14 | 14 | 13 | 13 | 199 | 409 | 238 | 177 | 214 |
| 3 | 94 | 14 | 14 | 14 | 14 | 13 | 13 | 199 | 409 | 238 | 177 | 209 |
| 4 | 94 | 14 | 14 | 14 | 14 | 13 | 13 | 201 | 412 | 238 | 177 | 196 |
| 5 | 94 | 14 | 14 | 14 | 14 | 13 | 15 | 201 | 412 | 238 | 177 | 182 |
| 6 | 94 | 14 | 14 | 14 | 14 | 13 | 40 | 201 | 450 | 238 | 177 | 180 |
| 7 | 94 | 15 | 14 | 14 | 14 | 13 | 40 | 201 | 830 | 238 | 177 | 180 |
| 8 | 83 | 15 | 14 | 14 | 14 | 13 | 62 | 201 | 955 | 240 | 177 | 177 |
| 9 | 77 | 15 | 14 | 14 | 14 | 13 | 88 | 297 | 960 | 252 | 177 | 177 |
| 10 | 77 | 14 | 14 | 14 | 14 | 13 | 88 | 378 | 965 | 254 | 189 | 177 |
| 11 | 77 | 14 | 14 | 14 | 14 | 13 | 88 | 374 | 965 | 254 | 192 | 173 |
| 12 | 77 | 14 | 14 | 14 | 14 | 13 | 88 | 374 | 965 | 249 | 192 | 157 |
| 13 | 77 | 14 | 14 | 14 | 14 | 13 | 88 | 374 | 965 | 243 | 180 | 144 |
| 14 | 62 | 14 | 14 | 13 | 14 | 13 | 88 | 374 | 965 | 240 | 170 | 135 |
| 15 | 14 | 14 | 14 | 13 | 14 | 13 | 155 | 374 | 965 | 240 | 168 | 118 |
| 16 | 13 | 14 | 14 | 13 | 14 | 13 | 252 | 374 | 965 | 246 | 170 | 112 |
| 17 | 13 | 14 | 14 | 13 | 14 | 13 | 275 | 374 | 885 | 249 | 175 | 105 |
| 18 | 13 | 14 | 14 | 14 | 14 | 13 | 346 | 374 | 574 | 249 | 187 | 99 |
| 19 | 13 | 14 | 14 | 14 | 14 | 13 | 384 | 374 | 486 | 249 | 187 | 85 |
| 20 | 13 | 14 | 14 | 14 | 14 | 13 | 384 | 374 | 498 | 249 | 201 | 58 |
| 21 | 13 | 14 | 14 | 14 | 14 | 13 | 384 | 374 | 590 | 249 | 211 | 49 |
| 22 | 14 | 19 | 14 | 14 | 14 | 13 | 381 | 374 | 635 | 246 | 216 | 50 |
| 23 | 13 | 40 | 14 | 14 | 13 | 13 | 378 | 374 | 635 | 182 | 229 | 50 |
| 24 | 13 | 44 | 14 | 14 | 13 | 13 | 378 | 318 | 446 | 201 | 238 | 50 |
| 25 | 13 | 44 | 14 | 14 | 13 | 13 | 378 | 290 | 350 | 232 | 235 | 49 |
| 26 | 13 | 44 | 14 | 14 | 13 | 13 | 378 | 294 | 336 | 224 | 222 | 49 |
| 27 | 14 | 44 | 15 | 14 | 13 | 13 | 374 | 297 | 336 | 211 | 214 | 57 |
| 28 | 14 | 22 | 15 | 14 | 13 | 13 | 370 | 364 | 336 | 199 | 209 | 64 |
| 29 | 14 | 14 | 15 | 14 | --- | 13 | 257 | 402 | 336 | 175 | 204 | 64 |
| 30 | 14 | 14 | 15 | 14 | --- | 13 | 199 | 402 | 336 | 159 | 211 | 56 |
| 31 | 14 | --- | 15 | 14 | --- | 13 | --- | 406 | --- | 146 | 214 | --- |
| TOTAL | 1421 | 582 | 439 | 430 | 386 | 403 | 6010 | 9912 | 18777 | 7132 | 5975 | 3630 |
| MEAN | 45.8 | 19.4 | 14.2 | 13.9 | 13.8 | 13.0 | 200 | 320 | 626 | 230 | 193 | 121 |
| AC-FT | 2820 | 1150 | 871 | 853 | 766 | 799 | 11920 | 19660 | 37240 | 14150 | 11850 | 7200 |
| MAX | 99 | 44 | 15 | 14 | 14 | 13 | 384 | 406 | 965 | 266 | 238 | 214 |
| MIN | 13 | 14 | 14 | 13 | 13 | 13 | 13 | 199 | 336 | 146 | 145 | 49 |

CAL YR 1984 TOTAL 43057.2 MEAN 118 MAX 885 MIN 8.6 AC-FT 85400
WTR YR 1985 TOTAL 55097 MEAN 151 MAX 965 MIN 13 AC-FT 109300

MAX DISCH 970 CFS AT 1800 12-JUN-1985 GH 4.98 FT. SHIFT 0.02 FT. MAX GH 4.98 FT. AT 1800 12-JUN-1985



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1986)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with satellite telemetry and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

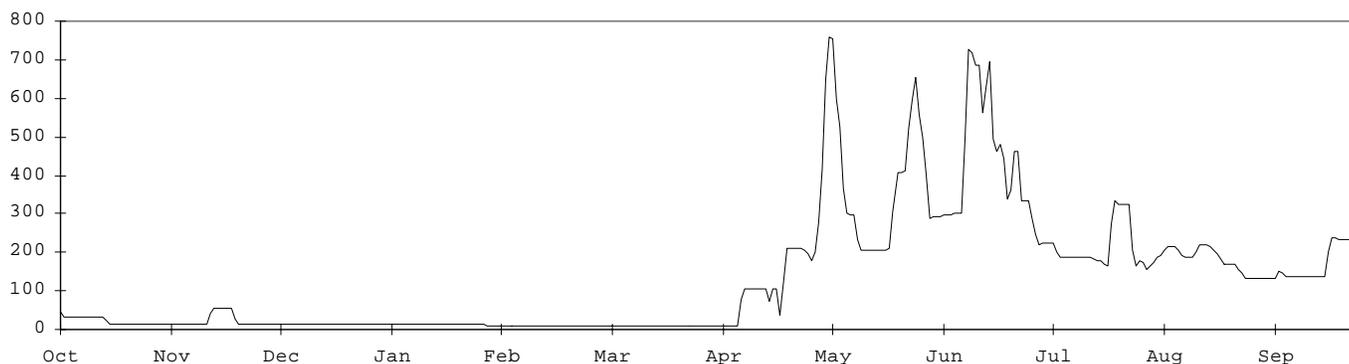
RATING TABLE.--FLOBLECO USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|-------|-------|-------|--------|-------|-------|-------|-------|------|
| 1 | 44 | 13 | 12 | 12 | 8.8 | 9.7 | 9.2 | 201 | 403 | 290 | 172 | 131 |
| 2 | 32 | 13 | 12 | 12 | 8.8 | 9.7 | 9.7 | 281 | 290 | 247 | 157 | 131 |
| 3 | 32 | 13 | 12 | 12 | 8.8 | 9.7 | 9.3 | 414 | 291 | 221 | 166 | 131 |
| 4 | 32 | 13 | 12 | 12 | 8.8 | 9.7 | 9.3 | 647 | 293 | 222 | 176 | 131 |
| 5 | 32 | 13 | 12 | 12 | 8.8 | 9.7 | 9.3 | 759 | 294 | 223 | 186 | 131 |
| 6 | 32 | 13 | 12 | 12 | 8.8 | 9.7 | 9.4 | 753 | 295 | 224 | 194 | 131 |
| 7 | 32 | 13 | 12 | 12 | 8.8 | 9.7 | 9.2 | 601 | 297 | 224 | 206 | 131 |
| 8 | 32 | 13 | 12 | 12 | 8.8 | 9.9 | 9.2 | 525 | 299 | 199 | 216 | 149 |
| 9 | 32 | 13 | 12 | 12 | 8.8 | 10 | 9.2 | 365 | 300 | 189 | 216 | 145 |
| 10 | 32 | 13 | 12 | 12 | 8.8 | 10 | 76 | 300 | 301 | 189 | 215 | 138 |
| 11 | 33 | 13 | 12 | 12 | 7.8 | 10 | 103 | 299 | 302 | 189 | 208 | 137 |
| 12 | 32 | 42 | 12 | 12 | 8.8 | 10 | 103 | 299 | 495 | 189 | 191 | 137 |
| 13 | 32 | 57 | 12 | 12 | 8.8 | 10 | 103 | 231 | 725 | 189 | 189 | 137 |
| 14 | 21 | 57 | 12 | 12 | 8.8 | 10 | 103 | 206 | 717 | 189 | 189 | 137 |
| 15 | 13 | 57 | 12 | 12 | 8.8 | 10 | 103 | 206 | 687 | 189 | 189 | 137 |
| 16 | 13 | 57 | 12 | 12 | 8.8 | 10 | 103 | 207 | 687 | 189 | 203 | 137 |
| 17 | 13 | 57 | 12 | 12 | 8.8 | 10 | 103 | 207 | 562 | 189 | 219 | 137 |
| 18 | 13 | 57 | 12 | 12 | 8.8 | 9.4 | 72 | 207 | 632 | 181 | 219 | 137 |
| 19 | 13 | 29 | 12 | 12 | 8.8 | 9.2 | 103 | 207 | 697 | 177 | 218 | 137 |
| 20 | 13 | 12 | 12 | 12 | 8.8 | 9.2 | 103 | 208 | 494 | 177 | 213 | 136 |
| 21 | 13 | 12 | 12 | 12 | 8.8 | 9.3 | 38 | 208 | 464 | 171 | 207 | 136 |
| 22 | 13 | 12 | 12 | 12 | 8.8 | 9.2 | 118 | 209 | 478 | 166 | 196 | 202 |
| 23 | 13 | 12 | 12 | 12 | 8.8 | 9.2 | 210 | 308 | 443 | 276 | 184 | 236 |
| 24 | 13 | 12 | 12 | 12 | 8.8 | 9.2 | 210 | 409 | 338 | 333 | 170 | 236 |
| 25 | 13 | 12 | 12 | 12 | 9.7 | 9.2 | 210 | 409 | 361 | 324 | 169 | 235 |
| 26 | 13 | 12 | 12 | 12 | 9.7 | 9.2 | 210 | 411 | 462 | 325 | 168 | 235 |
| 27 | 13 | 12 | 12 | 12 | 9.7 | 9.2 | 210 | 522 | 462 | 325 | 168 | 235 |
| 28 | 13 | 12 | 12 | 12 | 9.7 | 9.2 | 207 | 593 | 334 | 324 | 156 | 235 |
| 29 | 13 | 12 | 12 | 9.7 | --- | 9.2 | 195 | 655 | 334 | 204 | 147 | 234 |
| 30 | 13 | 12 | 12 | 8.8 | --- | 9.2 | 178 | 557 | 334 | 164 | 131 | 234 |
| 31 | 13 | --- | 12 | 8.8 | --- | 9.2 | --- | 499 | --- | 180 | 131 | --- |
| TOTAL | 671 | 688 | 372 | 363.3 | 249.0 | 296.9 | 2944.8 | 11903 | 13071 | 6878 | 5769 | 4936 |
| MEAN | 21.6 | 22.9 | 12.0 | 11.7 | 8.89 | 9.58 | 98.2 | 384 | 436 | 222 | 186 | 165 |
| AC-FT | 1330 | 1360 | 738 | 721 | 494 | 589 | 5840 | 23610 | 25930 | 13640 | 11440 | 9790 |
| MAX | 44 | 57 | 12 | 12 | 9.7 | 10 | 210 | 759 | 725 | 333 | 219 | 236 |
| MIN | 13 | 12 | 12 | 8.8 | 7.8 | 9.2 | 9.2 | 201 | 290 | 164 | 131 | 131 |

CAL YR 1985 TOTAL 54386 MEAN 149 MAX 965 MIN 12 AC-FT 107900
WTR YR 1986 TOTAL 48142.0 MEAN 132 MAX 759 MIN 7.8 AC-FT 95490

MAX DISCH 815 CFS AT 2330 13-JUN-1986 GH 4.65 FT. SHIFT 0.04 FT. MAX GH 4.65 FT. AT 2330 13-JUN-1986



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1987)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with satellite telemetry and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

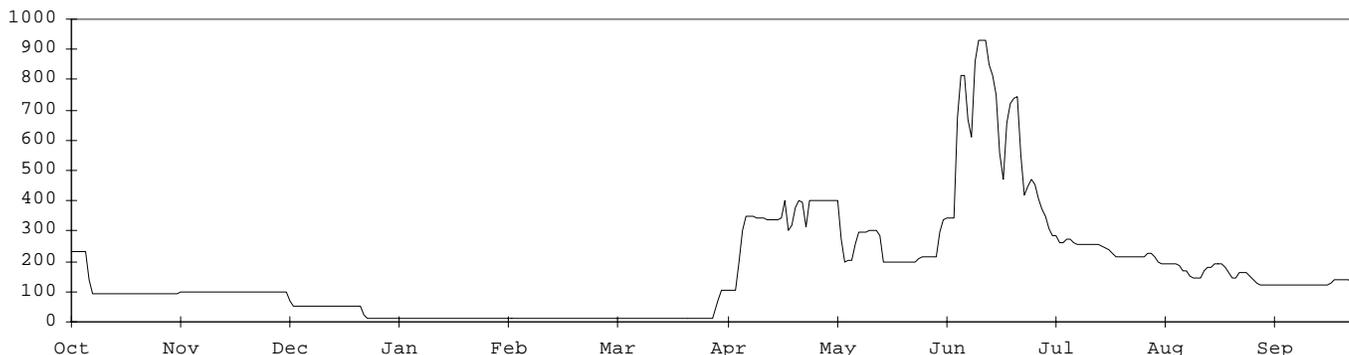
RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|--------|-------|-------|-------|--------|-------|-------|-------|-------|------|
| 1 | 233 | 97 | 101 | 9.2 | 9.3 | 9.2 | 9.5 | 401 | 214 | 453 | 216 | 139 |
| 2 | 232 | 97 | 72 | 9.2 | 9.4 | 9.2 | 68 | 401 | 214 | 406 | 227 | 126 |
| 3 | 232 | 97 | 55 | 9.2 | 9.3 | 9.2 | 102 | 401 | 216 | 374 | 225 | 122 |
| 4 | 232 | 97 | 50 | 9.1 | 9.2 | 9.2 | 102 | 401 | 298 | 349 | 213 | 120 |
| 5 | 231 | 97 | 53 | 9.2 | 9.2 | 9.2 | 102 | 401 | 338 | 306 | 199 | 120 |
| 6 | 139 | 97 | 53 | 9.2 | 9.2 | 9.3 | 102 | 400 | 341 | 285 | 191 | 120 |
| 7 | 94 | 97 | 53 | 9.2 | 9.3 | 9.3 | 102 | 275 | 342 | 285 | 191 | 120 |
| 8 | 94 | 98 | 53 | 9.2 | 9.2 | 9.3 | 196 | 200 | 344 | 262 | 191 | 120 |
| 9 | 94 | 99 | 53 | 8.9 | 9.2 | 9.2 | 305 | 201 | 677 | 259 | 190 | 120 |
| 10 | 94 | 99 | 53 | 8.8 | 9.2 | 9.3 | 348 | 201 | 815 | 271 | 189 | 123 |
| 11 | 94 | 99 | 53 | 8.8 | 9.2 | 9.4 | 346 | 258 | 815 | 271 | 184 | 124 |
| 12 | 94 | 99 | 53 | 9.3 | 9.2 | 9.5 | 346 | 297 | 669 | 259 | 169 | 124 |
| 13 | 94 | 99 | 53 | 9.3 | 9.2 | 9.7 | 345 | 298 | 610 | 256 | 167 | 124 |
| 14 | 94 | 99 | 53 | 9.2 | 9.3 | 9.7 | 343 | 299 | 859 | 256 | 154 | 124 |
| 15 | 94 | 99 | 53 | 9.4 | 9.2 | 9.7 | 342 | 300 | 930 | 256 | 148 | 124 |
| 16 | 92 | 99 | 53 | 9.5 | 9.2 | 9.6 | 340 | 302 | 932 | 256 | 148 | 124 |
| 17 | 92 | 101 | 53 | 9.3 | 9.2 | 9.3 | 339 | 304 | 931 | 257 | 148 | 122 |
| 18 | 92 | 101 | 53 | 9.2 | 9.2 | 9.3 | 339 | 287 | 846 | 256 | 168 | 122 |
| 19 | 93 | 101 | 53 | 9.2 | 9.2 | 9.4 | 339 | 196 | 813 | 257 | 178 | 122 |
| 20 | 92 | 101 | 53 | 9.2 | 9.2 | 9.4 | 344 | 196 | 752 | 250 | 178 | 122 |
| 21 | 93 | 101 | 53 | 9.4 | 9.2 | 9.3 | 404 | 196 | 560 | 246 | 192 | 122 |
| 22 | 92 | 101 | 53 | 9.6 | 9.2 | 9.6 | 303 | 197 | 472 | 238 | 191 | 122 |
| 23 | 92 | 101 | 24 | 9.7 | 9.2 | 9.3 | 320 | 198 | 657 | 224 | 191 | 130 |
| 24 | 92 | 101 | 9.2 | 9.7 | 9.2 | 9.3 | 376 | 198 | 719 | 215 | 182 | 137 |
| 25 | 92 | 101 | 9.2 | 9.7 | 9.2 | 9.3 | 401 | 198 | 736 | 215 | 164 | 141 |
| 26 | 92 | 101 | 9.2 | 9.7 | 9.2 | 9.3 | 398 | 199 | 744 | 215 | 143 | 140 |
| 27 | 93 | 101 | 9.2 | 9.7 | 9.2 | 9.3 | 316 | 199 | 554 | 214 | 148 | 141 |
| 28 | 94 | 101 | 9.2 | 9.7 | 9.2 | 9.3 | 400 | 198 | 416 | 214 | 161 | 138 |
| 29 | 94 | 101 | 9.2 | 9.7 | --- | 9.3 | 399 | 209 | 447 | 214 | 161 | 129 |
| 30 | 94 | 101 | 9.2 | 9.7 | --- | 9.2 | 401 | 214 | 473 | 214 | 161 | 123 |
| 31 | 95 | --- | 9.2 | 9.7 | --- | 9.3 | --- | 214 | --- | 214 | 152 | --- |
| TOTAL | 3629 | 2983 | 1329.6 | 289.9 | 258.2 | 289.9 | 8577.5 | 8239 | 17734 | 8247 | 5520 | 3785 |
| MEAN | 117 | 99.4 | 42.9 | 9.35 | 9.22 | 9.35 | 286 | 266 | 591 | 266 | 178 | 126 |
| AC-FT | 7200 | 5920 | 2640 | 575 | 512 | 575 | 17010 | 16340 | 35180 | 16360 | 10950 | 7510 |
| MAX | 233 | 101 | 101 | 9.7 | 9.4 | 9.7 | 404 | 401 | 932 | 453 | 227 | 141 |
| MIN | 92 | 97 | 9.2 | 8.8 | 9.2 | 9.2 | 9.5 | 196 | 214 | 214 | 143 | 120 |

CAL YR 1986 TOTAL 54352.6 MEAN 149 MAX 759 MIN 7.8 AC-FT 107800
WTR YR 1987 TOTAL 60882.1 MEAN 167 MAX 932 MIN 8.8 AC-FT 120800

MAX DISCH 945 CFS AT 1415 15-JUN-1987 GH 4.99 FT. SHIFT -0.04 FT. MAX GH 4.99 FT. AT 1415 15-JUN-1987



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1988)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with satellite telemetry and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

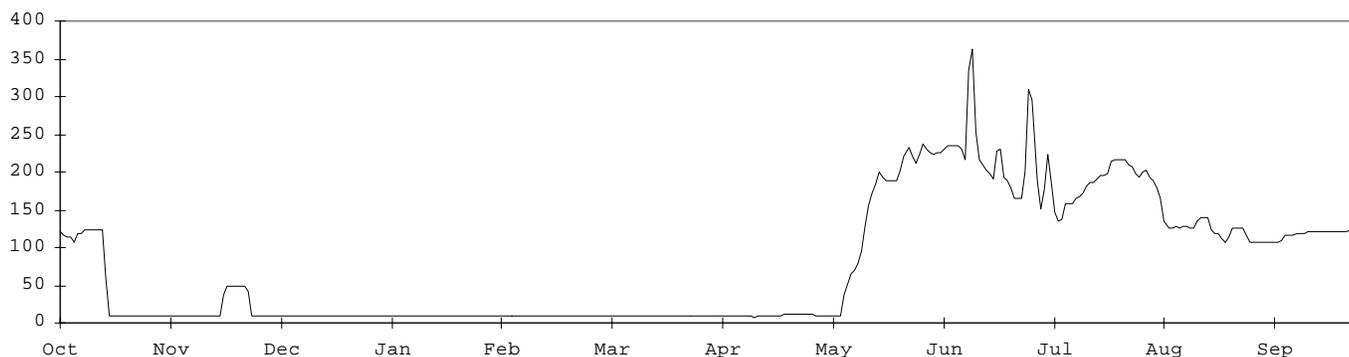
RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|------|
| 1 | 120 | 8.8 | 9.2 | 9.2 | 9.2 | 9.2 | 9.7 | 10 | 225 | 188 | 202 | 108 |
| 2 | 117 | 8.8 | 9.2 | 8.9 | 9.2 | 9.2 | 9.7 | 10 | 224 | 152 | 192 | 108 |
| 3 | 114 | 8.8 | 9.2 | 8.8 | 9.2 | 9.2 | 9.7 | 10 | 225 | 177 | 188 | 108 |
| 4 | 114 | 8.8 | 9.2 | 8.8 | 9.2 | 9.3 | 9.7 | 10 | 225 | 223 | 179 | 108 |
| 5 | 107 | 8.8 | 9.2 | 8.8 | 9.2 | 9.2 | 9.7 | 10 | 230 | 185 | 164 | 108 |
| 6 | 118 | 8.9 | 9.2 | 8.8 | 9.2 | 9.3 | 9.7 | 10 | 234 | 147 | 136 | 108 |
| 7 | 119 | 8.8 | 9.2 | 8.8 | 9.2 | 9.3 | 9.7 | 10 | 235 | 135 | 126 | 108 |
| 8 | 124 | 8.8 | 9.2 | 8.8 | 9.2 | 9.2 | 9.7 | 38 | 235 | 137 | 126 | 110 |
| 9 | 124 | 8.8 | 9.2 | 8.8 | 9.4 | 9.2 | 9.7 | 52 | 235 | 159 | 127 | 116 |
| 10 | 124 | 8.8 | 9.2 | 8.8 | 9.6 | 9.3 | 9.7 | 64 | 230 | 159 | 126 | 116 |
| 11 | 124 | 8.8 | 9.3 | 8.8 | 9.7 | 9.2 | 9.7 | 70 | 216 | 159 | 127 | 116 |
| 12 | 124 | 8.8 | 9.2 | 8.8 | 9.7 | 9.3 | 8.2 | 78 | 336 | 165 | 127 | 118 |
| 13 | 124 | 8.8 | 9.2 | 8.8 | 9.7 | 9.2 | 6.5 | 96 | 363 | 167 | 126 | 118 |
| 14 | 57 | 8.8 | 9.2 | 8.8 | 9.7 | 9.4 | 9.8 | 128 | 253 | 172 | 126 | 118 |
| 15 | 8.4 | 8.8 | 9.2 | 8.8 | 9.7 | 9.4 | 9.7 | 156 | 216 | 181 | 135 | 120 |
| 16 | 8.4 | 38 | 9.2 | 8.8 | 9.7 | 9.6 | 9.7 | 171 | 209 | 185 | 139 | 120 |
| 17 | 8.4 | 50 | 9.2 | 8.8 | 9.7 | 9.5 | 9.7 | 184 | 202 | 185 | 139 | 120 |
| 18 | 8.4 | 50 | 9.2 | 8.6 | 9.7 | 9.6 | 10 | 199 | 197 | 191 | 139 | 122 |
| 19 | 8.4 | 50 | 9.2 | 8.6 | 9.7 | 9.6 | 9.3 | 194 | 191 | 195 | 123 | 122 |
| 20 | 8.3 | 50 | 9.3 | 8.8 | 9.7 | 9.6 | 8.6 | 189 | 228 | 195 | 118 | 121 |
| 21 | 8.4 | 50 | 9.2 | 8.8 | 9.7 | 9.6 | 11 | 189 | 231 | 198 | 118 | 122 |
| 22 | 8.4 | 50 | 9.2 | 8.8 | 9.7 | 9.7 | 11 | 189 | 194 | 213 | 112 | 122 |
| 23 | 8.4 | 42 | 9.2 | 8.8 | 9.7 | 9.7 | 11 | 189 | 188 | 216 | 106 | 122 |
| 24 | 8.4 | 9.2 | 9.2 | 8.8 | 9.7 | 9.7 | 11 | 203 | 180 | 216 | 114 | 122 |
| 25 | 8.6 | 9.2 | 9.2 | 8.8 | 9.7 | 9.7 | 11 | 221 | 164 | 216 | 126 | 121 |
| 26 | 8.4 | 9.2 | 9.2 | 8.8 | 9.7 | 9.7 | 11 | 232 | 164 | 216 | 126 | 122 |
| 27 | 8.4 | 9.2 | 8.9 | 8.8 | 9.7 | 9.7 | 11 | 222 | 164 | 209 | 126 | 123 |
| 28 | 8.8 | 9.2 | 9.2 | 8.8 | 9.7 | 9.7 | 11 | 211 | 201 | 207 | 126 | 126 |
| 29 | 8.8 | 9.2 | 9.2 | 9.0 | 9.3 | 9.7 | 11 | 224 | 310 | 197 | 117 | 126 |
| 30 | 8.8 | 9.2 | 9.2 | 9.0 | --- | 9.7 | 10 | 237 | 296 | 192 | 108 | 126 |
| 31 | 8.8 | --- | 9.2 | 9.2 | --- | 9.7 | --- | 231 | --- | 199 | 108 | --- |
| TOTAL | 1754.5 | 576.5 | 285.1 | 273.7 | 276.5 | 293.4 | 297.2 | 4037 | 6801 | 5736 | 4152 | 3525 |
| MEAN | 56.6 | 19.2 | 9.20 | 8.83 | 9.53 | 9.46 | 9.91 | 130 | 227 | 185 | 134 | 118 |
| AC-FT | 3480 | 1140 | 565 | 543 | 548 | 582 | 589 | 8010 | 13490 | 11380 | 8240 | 6990 |
| MAX | 124 | 50 | 9.3 | 9.2 | 9.7 | 9.7 | 11 | 237 | 363 | 223 | 202 | 126 |
| MIN | 8.3 | 8.8 | 8.9 | 8.6 | 9.2 | 9.2 | 6.5 | 10 | 164 | 135 | 106 | 108 |

CAL YR 1987 TOTAL 55556.6 MEAN 152 MAX 932 MIN 8.3 AC-FT 110200
WTR YR 1988 TOTAL 28007.9 MEAN 76.5 MAX 363 MIN 6.5 AC-FT 55550

MAX DISCH 402 CFS AT 1130 12-JUN-1988 GH 3.71 FT. SHIFT 0.01 FT. MAX GH 3.71 FT. AT 1130 12-JUN-1988



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1989)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with satellite telemetry and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

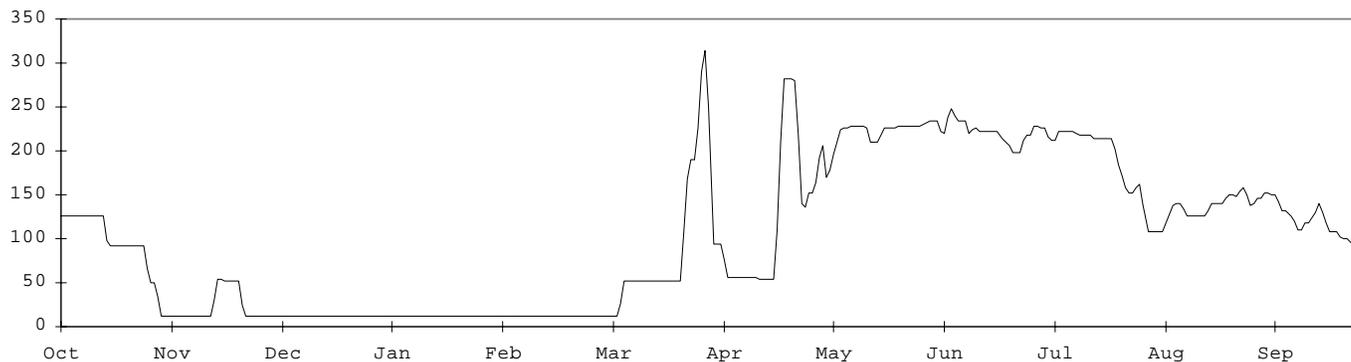
REMARKS.--Records good.

RATING TABLE.--FLOBLECO02 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------------|---------|------|------|------|------|------|------|-------|-------|-------|------|------|
| 1 | 127 | 12 | 12 | 12 | 12 | 12 | 250 | 164 | 233 | 228 | 139 | 140 |
| 2 | 127 | 12 | 12 | 12 | 12 | 12 | 95 | 193 | 234 | 228 | 108 | 146 |
| 3 | 127 | 12 | 12 | 12 | 12 | 12 | 95 | 206 | 234 | 227 | 108 | 146 |
| 4 | 127 | 12 | 12 | 12 | 12 | 12 | 95 | 170 | 235 | 227 | 108 | 152 |
| 5 | 126 | 12 | 12 | 12 | 12 | 12 | 76 | 179 | 223 | 217 | 108 | 152 |
| 6 | 127 | 12 | 12 | 12 | 12 | 12 | 57 | 196 | 221 | 212 | 108 | 151 |
| 7 | 127 | 12 | 12 | 12 | 12 | 26 | 57 | 211 | 239 | 213 | 118 | 150 |
| 8 | 127 | 12 | 12 | 12 | 12 | 52 | 57 | 224 | 249 | 222 | 129 | 142 |
| 9 | 126 | 12 | 12 | 12 | 12 | 52 | 57 | 227 | 241 | 222 | 138 | 133 |
| 10 | 126 | 12 | 12 | 12 | 12 | 52 | 57 | 227 | 234 | 222 | 141 | 133 |
| 11 | 126 | 12 | 12 | 12 | 12 | 52 | 57 | 228 | 234 | 222 | 141 | 127 |
| 12 | 126 | 12 | 12 | 12 | 12 | 52 | 57 | 228 | 234 | 222 | 135 | 120 |
| 13 | 126 | 31 | 12 | 12 | 12 | 52 | 57 | 229 | 220 | 221 | 126 | 110 |
| 14 | 98 | 55 | 12 | 12 | 12 | 52 | 56 | 229 | 224 | 219 | 126 | 110 |
| 15 | 92 | 55 | 12 | 12 | 12 | 52 | 55 | 226 | 227 | 218 | 126 | 118 |
| 16 | 92 | 53 | 12 | 12 | 12 | 52 | 55 | 211 | 222 | 218 | 126 | 118 |
| 17 | 92 | 53 | 12 | 12 | 12 | 52 | 55 | 211 | 222 | 218 | 126 | 124 |
| 18 | 92 | 53 | 12 | 12 | 12 | 52 | 55 | 211 | 222 | 215 | 126 | 131 |
| 19 | 92 | 53 | 12 | 12 | 12 | 52 | 55 | 218 | 222 | 214 | 133 | 141 |
| 20 | 92 | 53 | 12 | 12 | 12 | 53 | 111 | 226 | 222 | 214 | 141 | 131 |
| 21 | 92 | 24 | 12 | 12 | 12 | 53 | 210 | 226 | 222 | 214 | 141 | 118 |
| 22 | 92 | 12 | 12 | 12 | 12 | 53 | 283 | 227 | 214 | 214 | 141 | 108 |
| 23 | 92 | 12 | 12 | 12 | 12 | 53 | 283 | 227 | 211 | 214 | 140 | 108 |
| 24 | 92 | 12 | 12 | 12 | 12 | 53 | 282 | 228 | 207 | 202 | 146 | 108 |
| 25 | 67 | 12 | 12 | 12 | 12 | 108 | 281 | 228 | 199 | 185 | 150 | 103 |
| 26 | 50 | 12 | 12 | 12 | 12 | 169 | 219 | 228 | 199 | 173 | 150 | 101 |
| 27 | 50 | 12 | 12 | 12 | 12 | 191 | 141 | 229 | 199 | 158 | 148 | 101 |
| 28 | 35 | 12 | 12 | 12 | 12 | 190 | 136 | 229 | 212 | 152 | 155 | 96 |
| 29 | 12 | 12 | 12 | 12 | --- | 227 | 152 | 229 | 218 | 152 | 159 | 94 |
| 30 | 12 | 12 | 12 | 12 | --- | 291 | 152 | 229 | 219 | 158 | 151 | 94 |
| 31 | 12 | --- | 12 | 12 | --- | 314 | --- | 230 | --- | 162 | 138 | --- |
| TOTAL | 2901 | 682 | 372 | 372 | 336 | 2477 | 3648 | 6724 | 6692 | 6383 | 4130 | 3706 |
| MEAN | 93.6 | 22.7 | 12.0 | 12.0 | 12.0 | 79.9 | 122 | 217 | 223 | 206 | 133 | 124 |
| AC-FT | 5750 | 1350 | 738 | 738 | 666 | 4910 | 7240 | 13340 | 13270 | 12660 | 8190 | 7350 |
| MAX | 127 | 55 | 12 | 12 | 12 | 314 | 283 | 230 | 249 | 228 | 159 | 152 |
| MIN | 12 | 12 | 12 | 12 | 12 | 12 | 55 | 164 | 199 | 152 | 108 | 94 |
| CAL YR 1988 TOTAL | 29346.8 | | MEAN | 80.2 | MAX | 363 | MIN | 6.5 | AC-FT | 58210 | | |
| WTR YR 1989 TOTAL | 38423 | | MEAN | 105 | MAX | 314 | MIN | 12 | AC-FT | 76210 | | |

MAX DISCH 315 CFS AT 0915 30-MAR-1989 GH 3.49 FT. SHIFT -0.02 FT. MAX GH 3.49 FT. AT 0915 30-MAR-1989



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO (1990)

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with satellite telemetry and a concrete control. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

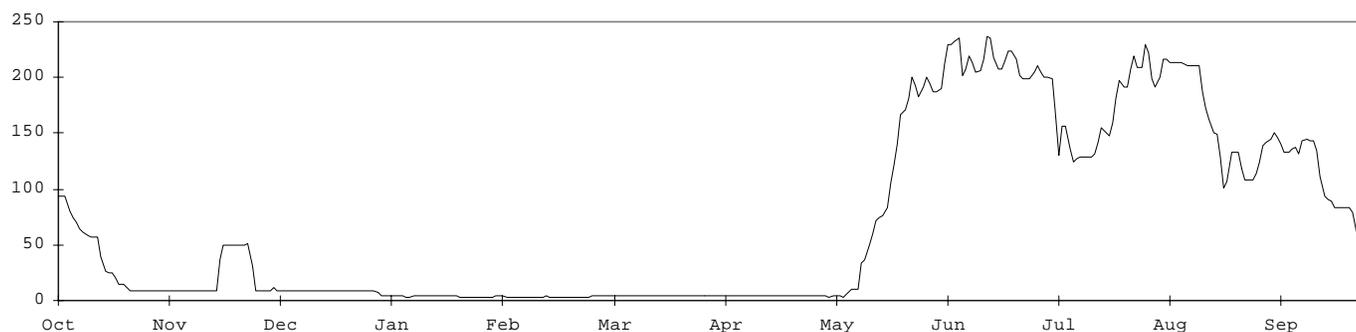
RATING TABLE.-- FLOBLECO02 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|-------|-------|-------|------|-------|-------|--------|-------|-------|-------|------|
| 1 | 94 | 9.3 | 8.3 | 5.0 | 3.7 | 4.3 | 4.4 | 4.7 | 194 | 211 | 222 | 124 |
| 2 | 93 | 9.3 | 8.4 | 4.5 | 3.7 | 4.4 | 4.8 | 4.8 | 187 | 205 | 199 | 139 |
| 3 | 93 | 9.3 | 8.4 | 3.7 | 3.6 | 4.4 | 4.4 | 3.8 | 187 | 200 | 192 | 142 |
| 4 | 80 | 9.3 | 8.4 | 3.7 | 3.3 | 4.4 | 4.4 | 3.5 | 190 | 200 | 200 | 145 |
| 5 | 74 | 9.2 | 8.4 | 3.7 | 3.3 | 4.4 | 4.4 | 4.4 | 212 | 199 | 216 | 150 |
| 6 | 70 | 9.3 | 8.4 | 3.5 | 3.2 | 4.4 | 4.4 | 4.4 | 229 | 166 | 216 | 146 |
| 7 | 65 | 9.4 | 8.3 | 3.4 | 3.1 | 4.4 | 4.4 | 4.4 | 230 | 130 | 214 | 140 |
| 8 | 61 | 9.4 | 8.4 | 3.7 | 3.3 | 4.4 | 4.5 | 2.2 | 233 | 157 | 214 | 133 |
| 9 | 58 | 9.3 | 8.4 | 3.7 | 3.3 | 4.4 | 4.4 | 6.5 | 235 | 157 | 214 | 133 |
| 10 | 57 | 9.3 | 8.4 | 3.7 | 3.3 | 4.5 | 4.4 | 9.7 | 202 | 136 | 213 | 136 |
| 11 | 57 | 9.3 | 8.4 | 3.7 | 3.3 | 4.6 | 4.4 | 9.7 | 208 | 124 | 212 | 138 |
| 12 | 57 | 9.3 | 8.4 | 3.7 | 3.3 | 4.4 | 4.3 | 9.8 | 219 | 127 | 211 | 131 |
| 13 | 40 | 9.3 | 8.4 | 3.7 | 3.4 | 4.4 | 4.3 | 34 | 214 | 129 | 211 | 143 |
| 14 | 27 | 9.3 | 8.2 | 3.7 | 3.7 | 4.4 | 4.1 | 37 | 205 | 129 | 211 | 145 |
| 15 | 25 | 36 | 8.4 | 3.7 | 3.3 | 4.5 | 4.1 | 49 | 206 | 129 | 210 | 144 |
| 16 | 25 | 50 | 8.4 | 3.7 | 3.3 | 4.7 | 4.1 | 60 | 217 | 129 | 187 | 143 |
| 17 | 21 | 50 | 8.4 | 3.7 | 3.3 | 4.7 | 4.3 | 72 | 237 | 131 | 173 | 135 |
| 18 | 15 | 49 | 8.4 | 3.7 | 3.3 | 4.4 | 4.5 | 75 | 235 | 142 | 163 | 111 |
| 19 | 14 | 49 | 8.4 | 3.7 | 3.3 | 4.4 | 4.6 | 76 | 218 | 155 | 150 | 94 |
| 20 | 12 | 49 | 8.4 | 3.7 | 3.3 | 4.6 | 4.5 | 84 | 208 | 151 | 149 | 90 |
| 21 | 9.2 | 49 | 8.4 | 3.5 | 3.3 | 4.6 | 4.4 | 105 | 208 | 148 | 129 | 89 |
| 22 | 9.3 | 50 | 8.4 | 3.3 | 3.3 | 4.1 | 4.4 | 121 | 215 | 159 | 101 | 83 |
| 23 | 9.2 | 51 | 8.4 | 3.3 | 3.3 | 4.3 | 4.4 | 141 | 223 | 181 | 107 | 83 |
| 24 | 9.2 | 30 | 8.4 | 3.3 | 3.3 | 4.3 | 4.5 | 166 | 223 | 198 | 133 | 83 |
| 25 | 9.2 | 8.4 | 8.4 | 3.3 | 3.3 | 4.6 | 4.4 | 171 | 216 | 191 | 133 | 83 |
| 26 | 9.3 | 8.4 | 8.4 | 3.3 | 3.4 | 4.4 | 4.4 | 182 | 202 | 192 | 133 | 83 |
| 27 | 9.2 | 8.4 | 8.4 | 3.3 | 3.7 | 4.4 | 4.4 | 201 | 199 | 208 | 118 | 79 |
| 28 | 9.3 | 8.4 | 8.4 | 3.3 | 4.0 | 4.4 | 4.4 | 193 | 199 | 219 | 108 | 64 |
| 29 | 9.2 | 8.4 | 7.2 | 3.5 | --- | 4.4 | 4.4 | 183 | 199 | 209 | 108 | 49 |
| 30 | 9.3 | 11 | 5.0 | 3.5 | --- | 4.4 | 4.4 | 192 | 204 | 209 | 108 | 47 |
| 31 | 9.2 | --- | 5.0 | 3.7 | --- | 4.4 | --- | 200 | --- | 230 | 114 | --- |
| TOTAL | 1139.6 | 646.3 | 252.0 | 112.9 | 94.9 | 137.4 | 131.8 | 2409.9 | 6354 | 5251 | 5269 | 3405 |
| MEAN | 36.8 | 21.5 | 8.13 | 3.64 | 3.39 | 4.43 | 4.39 | 77.7 | 212 | 169 | 170 | 114 |
| AC-FT | 2260 | 1280 | 500 | 224 | 188 | 273 | 261 | 4780 | 12600 | 10420 | 10450 | 6750 |
| MAX | 94 | 51 | 8.4 | 5.0 | 4.0 | 4.7 | 4.8 | 201 | 237 | 230 | 222 | 150 |
| MIN | 9.2 | 8.4 | 5.0 | 3.3 | 3.1 | 4.1 | 4.1 | 2.2 | 187 | 124 | 101 | 47 |

| | | | | | | | | | |
|-------------------|---------|------|------|-----|-----|-----|-----|-------|-------|
| CAL YR 1989 TOTAL | 36505.9 | MEAN | 100 | MAX | 314 | MIN | 5.0 | AC-FT | 72410 |
| WTR YR 1990 TOTAL | 25203.8 | MEAN | 69.1 | MAX | 237 | MIN | 2.2 | AC-FT | 49990 |

MAX DISCH 249 CFS AT 1915 22-MAY-1990 GH 3.28 FT. SHIFT -0.02 FT. MAX GH 3.28 FT. AT 1915 22-MAY-1990



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO (1983)

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

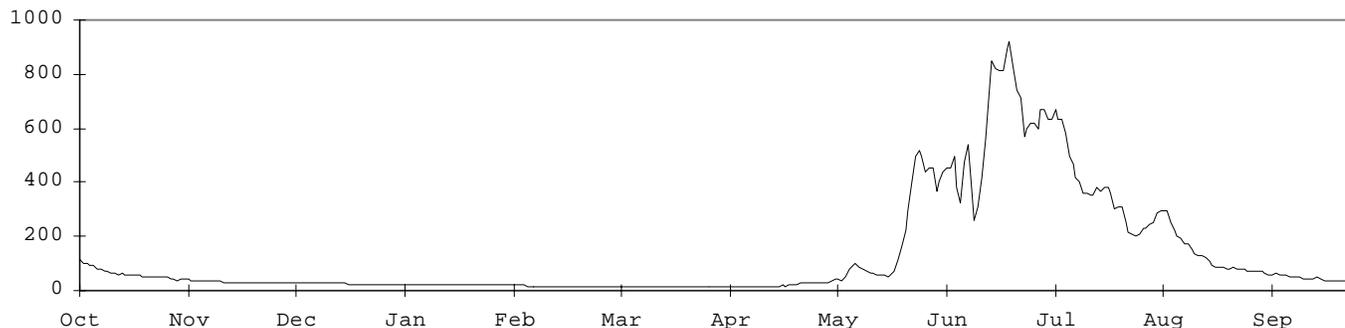
RATING TABLE.--ANIHOWCO07 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|------|-------|-------|------|------|
| 1 | 114 | 43 | 29 | 22 | 18 | 16 | 15 | 29 | 455 | 616 | 230 | 70 |
| 2 | 104 | 37 | 29 | 22 | 18 | 16 | 15 | 28 | 455 | 600 | 230 | 73 |
| 3 | 101 | 35 | 29 | 22 | 18 | 16 | 15 | 29 | 365 | 666 | 244 | 72 |
| 4 | 97 | 36 | 28 | 22 | 18 | 16 | 15 | 34 | 401 | 666 | 252 | 72 |
| 5 | 91 | 36 | 28 | 21 | 18 | 16 | 15 | 43 | 437 | 632 | 290 | 64 |
| 6 | 82 | 38 | 28 | 21 | 17 | 16 | 15 | 43 | 451 | 632 | 297 | 59 |
| 7 | 80 | 38 | 28 | 21 | 17 | 16 | 15 | 39 | 455 | 666 | 297 | 59 |
| 8 | 75 | 39 | 27 | 21 | 17 | 16 | 16 | 51 | 495 | 632 | 294 | 67 |
| 9 | 70 | 38 | 27 | 21 | 17 | 16 | 16 | 77 | 378 | 632 | 255 | 59 |
| 10 | 65 | 36 | 27 | 21 | 17 | 16 | 16 | 95 | 325 | 580 | 220 | 56 |
| 11 | 67 | 32 | 27 | 20 | 17 | 16 | 15 | 101 | 475 | 500 | 205 | 54 |
| 12 | 61 | 32 | 27 | 20 | 17 | 16 | 15 | 84 | 540 | 465 | 196 | 51 |
| 13 | 62 | 32 | 27 | 20 | 17 | 16 | 16 | 80 | 349 | 419 | 173 | 49 |
| 14 | 61 | 32 | 27 | 20 | 17 | 16 | 15 | 73 | 262 | 406 | 170 | 47 |
| 15 | 59 | 32 | 26 | 20 | 16 | 16 | 15 | 65 | 308 | 357 | 150 | 47 |
| 16 | 61 | 32 | 26 | 20 | 16 | 16 | 15 | 64 | 415 | 357 | 137 | 46 |
| 17 | 58 | 32 | 25 | 20 | 16 | 16 | 15 | 58 | 560 | 353 | 126 | 45 |
| 18 | 55 | 32 | 25 | 20 | 16 | 16 | 16 | 54 | 755 | 349 | 128 | 44 |
| 19 | 52 | 31 | 25 | 20 | 16 | 16 | 17 | 54 | 846 | 383 | 119 | 45 |
| 20 | 52 | 31 | 24 | 20 | 16 | 16 | 18 | 51 | 818 | 370 | 108 | 49 |
| 21 | 50 | 31 | 24 | 20 | 16 | 15 | 17 | 54 | 811 | 383 | 97 | 42 |
| 22 | 49 | 31 | 24 | 20 | 16 | 15 | 18 | 75 | 811 | 378 | 89 | 38 |
| 23 | 49 | 31 | 23 | 20 | 16 | 15 | 20 | 112 | 895 | 357 | 86 | 38 |
| 24 | 47 | 30 | 23 | 20 | 16 | 15 | 25 | 165 | 923 | 304 | 84 | 38 |
| 25 | 47 | 30 | 23 | 20 | 16 | 15 | 30 | 224 | 825 | 311 | 80 | 38 |
| 26 | 47 | 30 | 23 | 19 | 16 | 15 | 31 | 297 | 741 | 308 | 82 | 38 |
| 27 | 45 | 30 | 23 | 19 | 16 | 15 | 31 | 396 | 714 | 252 | 86 | 38 |
| 28 | 40 | 30 | 23 | 19 | 16 | 15 | 30 | 500 | 570 | 217 | 80 | 38 |
| 29 | 38 | 29 | 22 | 19 | --- | 15 | 30 | 520 | 600 | 211 | 77 | 38 |
| 30 | 45 | 29 | 22 | 19 | --- | 15 | 31 | 495 | 622 | 205 | 79 | 58 |
| 31 | 45 | --- | 22 | 19 | --- | 16 | --- | 437 | --- | 208 | 73 | --- |
| TOTAL | 1969 | 995 | 791 | 628 | 467 | 486 | 573 | 4427 | 17057 | 13415 | 5034 | 1532 |
| MEAN | 63.5 | 33.2 | 25.5 | 20.3 | 16.7 | 15.7 | 19.1 | 143 | 569 | 433 | 162 | 51.1 |
| AC-FT | 3910 | 1970 | 1570 | 1250 | 926 | 964 | 1140 | 8780 | 33830 | 26610 | 9980 | 3040 |
| MAX | 114 | 43 | 29 | 22 | 18 | 16 | 15 | 520 | 923 | 666 | 297 | 73 |
| MIN | 38 | 29 | 22 | 19 | 16 | 15 | 15 | 28 | 262 | 205 | 73 | 38 |

CAL YR 1982 TOTAL 48411 MEAN 133 MAX 741 MIN 13 AC-FT 96020
WTR YR 1983 TOTAL 47374 MEAN 130 MAX 923 MIN 15 AC-FT 93970

MAX DISCH 1200 CFS AT 2100 23-JUN-1983 GH 3.80 FT. SHIFT -0.09 FT. MAX GH 3.80 FT. AT 2100 23-JUN-1983



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO (1984)

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

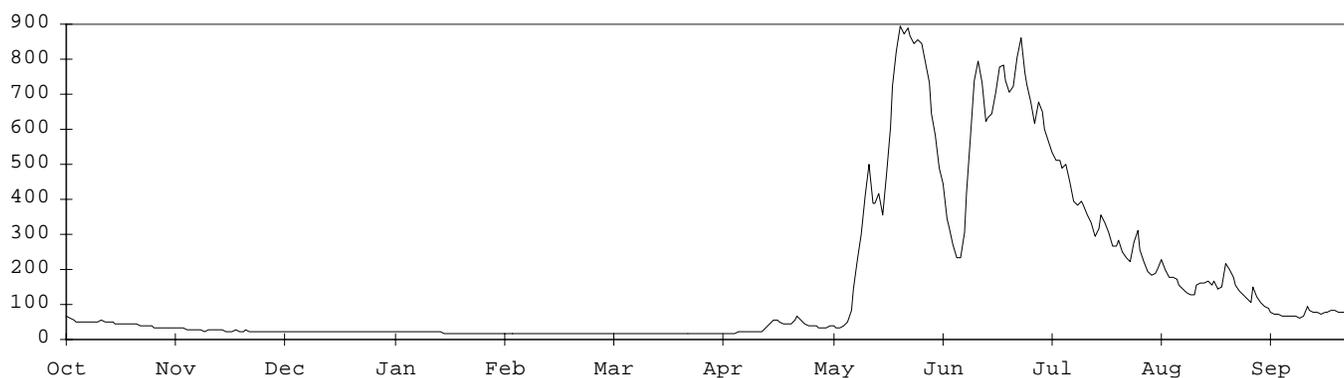
RATING TABLE.--ANIHOWCO07 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|
| 1 | 64 | 34 | 25 | 22 | 18 | 17 | 17 | 36 | 734 | 618 | 224 | 151 |
| 2 | 59 | 33 | 25 | 22 | 18 | 17 | 18 | 36 | 644 | 678 | 196 | 123 |
| 3 | 54 | 31 | 25 | 20 | 18 | 17 | 17 | 36 | 585 | 649 | 186 | 108 |
| 4 | 51 | 30 | 25 | 20 | 18 | 17 | 17 | 38 | 490 | 598 | 188 | 97 |
| 5 | 51 | 30 | 24 | 20 | 18 | 16 | 17 | 37 | 446 | 565 | 199 | 89 |
| 6 | 52 | 30 | 24 | 20 | 18 | 16 | 18 | 35 | 345 | 535 | 229 | 79 |
| 7 | 52 | 28 | 25 | 20 | 18 | 16 | 18 | 35 | 325 | 510 | 199 | 75 |
| 8 | 52 | 30 | 25 | 20 | 18 | 16 | 20 | 37 | 272 | 510 | 179 | 72 |
| 9 | 52 | 25 | 24 | 20 | 18 | 16 | 20 | 52 | 234 | 490 | 179 | 68 |
| 10 | 52 | 26 | 24 | 20 | 18 | 16 | 20 | 82 | 234 | 500 | 173 | 65 |
| 11 | 54 | 28 | 24 | 20 | 17 | 16 | 21 | 146 | 304 | 449 | 154 | 65 |
| 12 | 51 | 29 | 24 | 20 | 17 | 16 | 21 | 230 | 414 | 396 | 145 | 67 |
| 13 | 50 | 29 | 23 | 20 | 17 | 17 | 20 | 298 | 575 | 383 | 135 | 64 |
| 14 | 51 | 27 | 23 | 20 | 17 | 17 | 22 | 410 | 741 | 392 | 128 | 62 |
| 15 | 47 | 25 | 23 | 20 | 17 | 17 | 25 | 502 | 797 | 383 | 128 | 68 |
| 16 | 46 | 25 | 23 | 18 | 18 | 17 | 33 | 388 | 735 | 353 | 154 | 93 |
| 17 | 46 | 25 | 23 | 18 | 18 | 16 | 43 | 388 | 622 | 333 | 160 | 86 |
| 18 | 45 | 26 | 23 | 16 | 18 | 16 | 56 | 419 | 632 | 297 | 162 | 77 |
| 19 | 45 | 25 | 22 | 14 | 17 | 16 | 58 | 353 | 644 | 317 | 165 | 77 |
| 20 | 43 | 25 | 22 | 16 | 17 | 17 | 51 | 475 | 708 | 357 | 154 | 75 |
| 21 | 42 | 26 | 20 | 18 | 17 | 17 | 45 | 607 | 780 | 333 | 165 | 80 |
| 22 | 40 | 25 | 20 | 18 | 17 | 18 | 43 | 720 | 783 | 304 | 147 | 79 |
| 23 | 39 | 25 | 20 | 18 | 17 | 18 | 45 | 825 | 738 | 269 | 152 | 82 |
| 24 | 39 | 24 | 22 | 18 | 17 | 18 | 58 | 893 | 708 | 269 | 214 | 86 |
| 25 | 38 | 25 | 22 | 18 | 17 | 18 | 65 | 874 | 720 | 286 | 199 | 80 |
| 26 | 36 | 25 | 21 | 18 | 17 | 19 | 54 | 888 | 804 | 248 | 179 | 80 |
| 27 | 36 | 24 | 21 | 18 | 17 | 18 | 46 | 867 | 860 | 234 | 154 | 80 |
| 28 | 35 | 24 | 20 | 18 | 17 | 18 | 40 | 846 | 762 | 220 | 141 | 79 |
| 29 | 35 | 24 | 20 | 18 | 17 | 18 | 39 | 853 | 730 | 278 | 126 | 73 |
| 30 | 34 | 25 | 22 | 18 | --- | 18 | 38 | 846 | 678 | 311 | 114 | 69 |
| 31 | 34 | --- | 22 | 18 | --- | 17 | --- | 790 | --- | 257 | 108 | --- |
| TOTAL | 1425 | 808 | 706 | 584 | 506 | 526 | 1005 | 13042 | 18044 | 12322 | 5136 | 2449 |
| MEAN | 46.0 | 26.9 | 22.8 | 18.8 | 17.4 | 17.0 | 33.5 | 421 | 601 | 397 | 166 | 81.6 |
| AC-FT | 2830 | 1600 | 1400 | 1160 | 1000 | 1040 | 1990 | 25870 | 35790 | 24440 | 10190 | 4860 |
| MAX | 64 | 34 | 25 | 22 | 18 | 19 | 65 | 893 | 860 | 678 | 229 | 151 |
| MIN | 34 | 24 | 20 | 14 | 17 | 16 | 17 | 35 | 234 | 220 | 108 | 62 |

| | | | | | | | | | |
|-------------------|-------|------|-----|-----|-----|-----|----|-------|--------|
| CAL YR 1983 TOTAL | 46558 | MEAN | 128 | MAX | 923 | MIN | 15 | AC-FT | 92350 |
| WTR YR 1984 TOTAL | 56553 | MEAN | 155 | MAX | 893 | MIN | 14 | AC-FT | 112200 |

MAX DISCH 1091 CFS AT 2100 24-MAY-1984 GH 3.63 FT. SHIFT -0.04 FT. MAX GH 3.63 FT. AT 2100 24-MAY-1984



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO (1985)

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

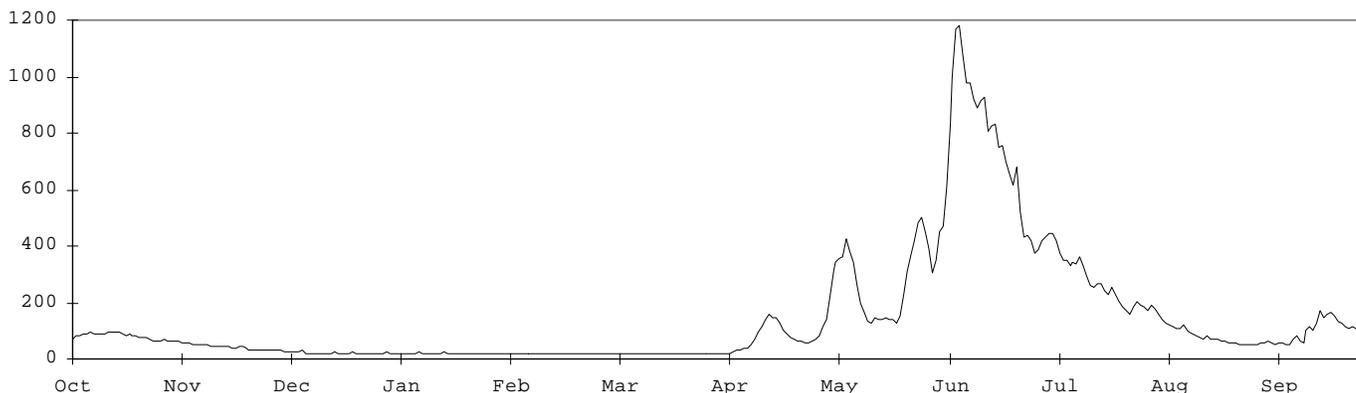
RATING TABLE.--ANIHOWCO07 USED FROM 01-OCT-1984 TO 30-SEP-1985

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|------|------|
| 1 | 73 | 58 | 26 | 22 | 20 | 18 | 20 | 112 | 304 | 388 | 170 | 51 |
| 2 | 80 | 55 | 27 | 20 | 20 | 18 | 20 | 140 | 349 | 419 | 190 | 54 |
| 3 | 82 | 56 | 26 | 20 | 20 | 18 | 21 | 220 | 451 | 432 | 176 | 58 |
| 4 | 88 | 51 | 26 | 20 | 20 | 18 | 22 | 308 | 470 | 446 | 157 | 61 |
| 5 | 91 | 51 | 30 | 22 | 20 | 18 | 22 | 341 | 610 | 442 | 140 | 54 |
| 6 | 95 | 52 | 18 | 22 | 18 | 18 | 25 | 353 | 832 | 419 | 128 | 51 |
| 7 | 90 | 49 | 20 | 23 | 18 | 18 | 30 | 365 | 1000 | 374 | 121 | 56 |
| 8 | 90 | 49 | 21 | 22 | 17 | 18 | 34 | 424 | 1170 | 349 | 114 | 55 |
| 9 | 90 | 44 | 21 | 22 | 18 | 19 | 35 | 383 | 1180 | 349 | 110 | 52 |
| 10 | 90 | 42 | 21 | 22 | 17 | 19 | 39 | 341 | 1070 | 333 | 106 | 49 |
| 11 | 93 | 45 | 21 | 22 | 18 | 19 | 49 | 258 | 978 | 341 | 119 | 67 |
| 12 | 97 | 45 | 21 | 20 | 18 | 20 | 67 | 196 | 978 | 337 | 101 | 80 |
| 13 | 95 | 44 | 20 | 22 | 17 | 18 | 95 | 162 | 923 | 365 | 93 | 64 |
| 14 | 97 | 44 | 23 | 24 | 16 | 18 | 112 | 135 | 888 | 333 | 86 | 59 |
| 15 | 86 | 38 | 21 | 20 | 16 | 18 | 137 | 128 | 916 | 294 | 80 | 100 |
| 16 | 80 | 39 | 22 | 20 | 17 | 18 | 157 | 144 | 930 | 262 | 75 | 112 |
| 17 | 86 | 43 | 22 | 20 | 18 | 18 | 144 | 140 | 804 | 252 | 70 | 99 |
| 18 | 82 | 42 | 22 | 22 | 18 | 19 | 144 | 142 | 825 | 269 | 80 | 130 |
| 19 | 80 | 37 | 24 | 22 | 18 | 20 | 126 | 147 | 832 | 266 | 72 | 170 |
| 20 | 78 | 34 | 22 | 21 | 18 | 19 | 101 | 137 | 748 | 244 | 69 | 147 |
| 21 | 76 | 32 | 22 | 21 | 18 | 18 | 88 | 140 | 755 | 230 | 67 | 160 |
| 22 | 76 | 31 | 20 | 21 | 18 | 19 | 75 | 130 | 696 | 252 | 65 | 165 |
| 23 | 70 | 32 | 22 | 20 | 17 | 18 | 69 | 152 | 654 | 230 | 61 | 150 |
| 24 | 66 | 32 | 22 | 21 | 17 | 20 | 65 | 230 | 616 | 202 | 58 | 135 |
| 25 | 66 | 32 | 22 | 20 | 17 | 21 | 65 | 311 | 678 | 184 | 56 | 126 |
| 26 | 64 | 32 | 22 | 21 | 17 | 22 | 59 | 370 | 520 | 173 | 54 | 114 |
| 27 | 67 | 30 | 22 | 21 | 18 | 20 | 58 | 419 | 432 | 157 | 52 | 110 |
| 28 | 64 | 30 | 22 | 20 | 18 | 18 | 65 | 485 | 437 | 182 | 52 | 114 |
| 29 | 61 | 30 | 23 | 20 | --- | 20 | 69 | 500 | 419 | 205 | 52 | 110 |
| 30 | 64 | 28 | 22 | 20 | --- | 20 | 80 | 450 | 374 | 193 | 51 | 93 |
| 31 | 64 | --- | 22 | 20 | --- | 20 | --- | 392 | --- | 182 | 51 | --- |
| TOTAL | 2481 | 1227 | 695 | 653 | 502 | 585 | 2093 | 8155 | 21839 | 9104 | 2876 | 2846 |
| MEAN | 80.0 | 40.9 | 22.4 | 21.1 | 17.9 | 18.9 | 69.8 | 263 | 728 | 294 | 92.8 | 94.9 |
| AC-FT | 4920 | 2430 | 1380 | 1300 | 996 | 1160 | 4150 | 16180 | 43320 | 18060 | 5700 | 5650 |
| MAX | 97 | 58 | 30 | 24 | 20 | 22 | 157 | 500 | 1180 | 446 | 190 | 170 |
| MIN | 61 | 28 | 18 | 20 | 16 | 18 | 20 | 112 | 304 | 157 | 51 | 49 |

CAL YR 1984 TOTAL 58019 MEAN 159 MAX 893 MIN 14 AC-FT 115100
WTR YR 1985 TOTAL 53056 MEAN 145 MAX 1180 MIN 16 AC-FT 105200

MAX DISCH 1742 CFS AT 0900 08-JUN-1985 GH 4.16 FT. SHIFT 0.05 FT. MAX GH 4.16 FT. AT 0900 08-JUN-1985



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO (1986)

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

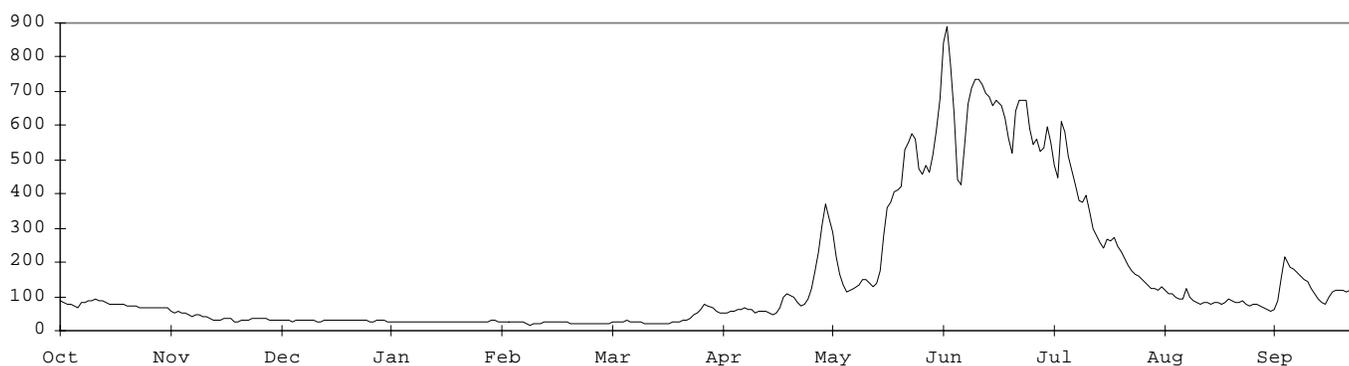
RATING TABLE.--ANIHOWCO07 USED FROM 01-OCT-1985 TO 30-SEP-1986

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|------|------|
| 1 | 89 | 55 | 30 | 28 | 28 | 21 | 73 | 176 | 485 | 545 | 147 | 77 |
| 2 | 84 | 52 | 30 | 28 | 28 | 22 | 67 | 231 | 465 | 559 | 135 | 75 |
| 3 | 79 | 55 | 30 | 26 | 28 | 23 | 58 | 311 | 515 | 525 | 126 | 72 |
| 4 | 75 | 51 | 30 | 28 | 26 | 23 | 51 | 370 | 585 | 535 | 123 | 67 |
| 5 | 72 | 54 | 28 | 28 | 26 | 24 | 49 | 330 | 678 | 595 | 116 | 64 |
| 6 | 69 | 47 | 32 | 28 | 26 | 25 | 51 | 290 | 846 | 550 | 130 | 59 |
| 7 | 80 | 40 | 32 | 28 | 27 | 26 | 56 | 217 | 888 | 485 | 116 | 64 |
| 8 | 84 | 46 | 30 | 26 | 26 | 28 | 56 | 165 | 776 | 446 | 110 | 89 |
| 9 | 86 | 45 | 30 | 26 | 22 | 29 | 61 | 135 | 638 | 610 | 106 | 152 |
| 10 | 88 | 43 | 30 | 28 | 18 | 26 | 64 | 114 | 442 | 580 | 97 | 214 |
| 11 | 91 | 43 | 30 | 28 | 20 | 26 | 65 | 117 | 428 | 510 | 95 | 184 |
| 12 | 88 | 36 | 28 | 28 | 20 | 26 | 62 | 121 | 540 | 470 | 95 | 179 |
| 13 | 88 | 32 | 28 | 28 | 22 | 26 | 61 | 132 | 666 | 428 | 126 | 168 |
| 14 | 84 | 32 | 30 | 28 | 24 | 23 | 52 | 147 | 708 | 383 | 97 | 157 |
| 15 | 77 | 32 | 30 | 26 | 24 | 23 | 56 | 150 | 735 | 378 | 88 | 147 |
| 16 | 79 | 34 | 31 | 25 | 24 | 23 | 58 | 140 | 734 | 396 | 82 | 142 |
| 17 | 79 | 36 | 30 | 25 | 24 | 23 | 58 | 130 | 720 | 349 | 78 | 123 |
| 18 | 77 | 34 | 31 | 25 | 24 | 22 | 51 | 137 | 692 | 300 | 82 | 110 |
| 19 | 75 | 28 | 31 | 26 | 24 | 22 | 47 | 176 | 684 | 280 | 80 | 95 |
| 20 | 73 | 28 | 30 | 26 | 24 | 22 | 51 | 280 | 660 | 258 | 77 | 84 |
| 21 | 73 | 30 | 30 | 26 | 23 | 22 | 69 | 361 | 672 | 241 | 80 | 79 |
| 22 | 73 | 30 | 30 | 26 | 22 | 25 | 97 | 374 | 660 | 266 | 84 | 99 |
| 23 | 67 | 32 | 30 | 27 | 22 | 26 | 108 | 406 | 622 | 262 | 79 | 112 |
| 24 | 65 | 34 | 30 | 27 | 20 | 28 | 104 | 414 | 560 | 272 | 82 | 116 |
| 25 | 65 | 36 | 30 | 26 | 20 | 29 | 99 | 424 | 520 | 248 | 95 | 119 |
| 26 | 65 | 36 | 30 | 26 | 21 | 31 | 84 | 530 | 644 | 234 | 86 | 119 |
| 27 | 65 | 36 | 28 | 26 | 21 | 36 | 71 | 550 | 672 | 211 | 80 | 114 |
| 28 | 68 | 34 | 28 | 28 | 21 | 45 | 75 | 575 | 672 | 190 | 80 | 119 |
| 29 | 67 | 32 | 30 | 28 | --- | 54 | 92 | 560 | 672 | 176 | 88 | 119 |
| 30 | 67 | 32 | 32 | 29 | --- | 64 | 123 | 475 | 590 | 165 | 79 | 112 |
| 31 | 67 | --- | 30 | 29 | --- | 77 | --- | 460 | --- | 160 | 73 | --- |
| TOTAL | 2359 | 1155 | 929 | 837 | 655 | 920 | 2069 | 8998 | 19169 | 11607 | 3012 | 3430 |
| MEAN | 76.1 | 38.5 | 30.0 | 27.0 | 23.4 | 29.7 | 69.0 | 290 | 639 | 374 | 97.2 | 114 |
| AC-FT | 4680 | 2290 | 1840 | 1660 | 1300 | 1820 | 4100 | 17850 | 38020 | 23020 | 5970 | 6800 |
| MAX | 91 | 55 | 32 | 29 | 28 | 77 | 123 | 575 | 888 | 610 | 147 | 214 |
| MIN | 65 | 28 | 28 | 25 | 18 | 21 | 47 | 114 | 428 | 160 | 73 | 59 |

| | | | | | | | | | |
|-------------------|-------|------|-----|-----|------|-----|----|-------|--------|
| CAL YR 1985 TOTAL | 53096 | MEAN | 145 | MAX | 1180 | MIN | 16 | AC-FT | 105300 |
| WTR YR 1986 TOTAL | 55140 | MEAN | 151 | MAX | 888 | MIN | 18 | AC-FT | 109400 |

MAX DISCH 1270 CFS AT 2100 06-JUN-1986 GH 3.83 FT. SHIFT -0.05 FT. MAX GH 3.83 FT. AT 2100 06-JUN-1986



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO (1987)

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

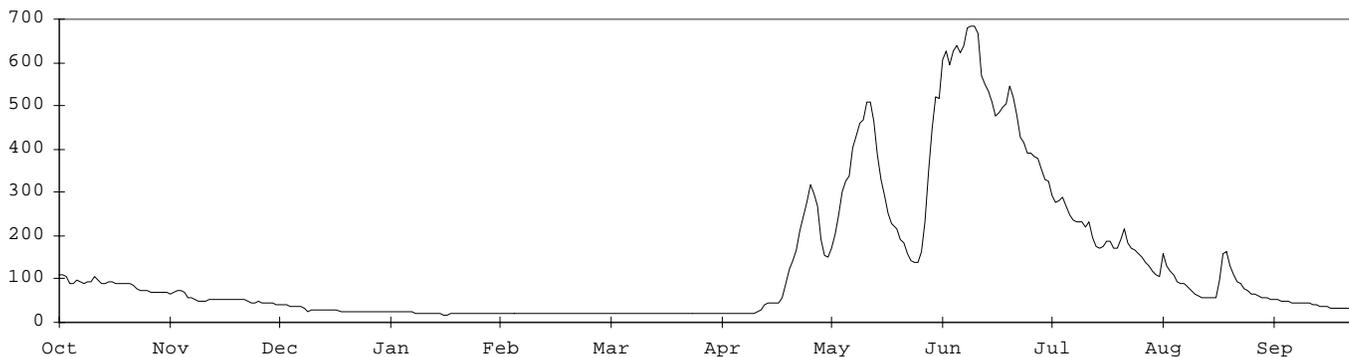
RATING TABLE.--ANIHOWCO07 USED FROM 01-OCT-1986 TO 30-SEP-1987

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|
| 1 | 110 | 65 | 42 | 24 | 20 | 20 | 20 | 297 | 234 | 392 | 150 | 67 |
| 2 | 108 | 69 | 42 | 24 | 20 | 20 | 20 | 269 | 349 | 383 | 140 | 65 |
| 3 | 104 | 72 | 40 | 24 | 20 | 20 | 21 | 193 | 446 | 378 | 130 | 62 |
| 4 | 91 | 73 | 39 | 24 | 20 | 20 | 22 | 154 | 520 | 353 | 119 | 59 |
| 5 | 91 | 70 | 38 | 24 | 20 | 19 | 21 | 152 | 515 | 329 | 108 | 56 |
| 6 | 96 | 56 | 38 | 25 | 20 | 20 | 20 | 170 | 605 | 325 | 104 | 54 |
| 7 | 93 | 56 | 36 | 24 | 20 | 22 | 21 | 205 | 627 | 294 | 157 | 54 |
| 8 | 91 | 52 | 35 | 23 | 22 | 22 | 21 | 248 | 595 | 276 | 132 | 52 |
| 9 | 93 | 49 | 34 | 20 | 21 | 22 | 21 | 300 | 627 | 280 | 119 | 50 |
| 10 | 95 | 49 | 26 | 22 | 21 | 21 | 22 | 325 | 638 | 290 | 108 | 49 |
| 11 | 104 | 47 | 28 | 22 | 21 | 21 | 22 | 337 | 622 | 269 | 95 | 47 |
| 12 | 99 | 51 | 30 | 22 | 21 | 21 | 22 | 401 | 638 | 248 | 91 | 46 |
| 13 | 91 | 52 | 30 | 22 | 21 | 21 | 22 | 432 | 678 | 238 | 88 | 46 |
| 14 | 91 | 52 | 30 | 22 | 21 | 21 | 22 | 460 | 684 | 234 | 80 | 46 |
| 15 | 95 | 52 | 30 | 22 | 21 | 21 | 25 | 470 | 684 | 230 | 72 | 46 |
| 16 | 93 | 52 | 29 | 20 | 21 | 21 | 30 | 510 | 666 | 220 | 67 | 45 |
| 17 | 89 | 52 | 28 | 16 | 20 | 20 | 39 | 510 | 570 | 230 | 62 | 43 |
| 18 | 89 | 54 | 28 | 18 | 20 | 21 | 45 | 465 | 550 | 196 | 59 | 40 |
| 19 | 89 | 54 | 26 | 22 | 20 | 21 | 44 | 388 | 535 | 176 | 56 | 39 |
| 20 | 89 | 52 | 26 | 22 | 20 | 20 | 44 | 329 | 510 | 170 | 55 | 37 |
| 21 | 89 | 51 | 26 | 20 | 20 | 20 | 44 | 294 | 475 | 173 | 56 | 36 |
| 22 | 84 | 52 | 26 | 20 | 20 | 21 | 56 | 252 | 485 | 187 | 58 | 35 |
| 23 | 77 | 49 | 24 | 20 | 20 | 21 | 88 | 227 | 495 | 187 | 97 | 34 |
| 24 | 75 | 46 | 24 | 21 | 20 | 20 | 123 | 214 | 505 | 170 | 160 | 34 |
| 25 | 73 | 46 | 24 | 21 | 20 | 20 | 142 | 193 | 545 | 170 | 162 | 34 |
| 26 | 72 | 47 | 24 | 21 | 20 | 20 | 168 | 182 | 520 | 190 | 132 | 34 |
| 27 | 69 | 44 | 24 | 20 | 20 | 21 | 211 | 157 | 480 | 214 | 108 | 34 |
| 28 | 69 | 44 | 24 | 21 | 20 | 21 | 244 | 144 | 428 | 184 | 95 | 32 |
| 29 | 69 | 44 | 24 | 20 | --- | 21 | 276 | 137 | 414 | 170 | 88 | 30 |
| 30 | 69 | 44 | 24 | 21 | --- | 20 | 318 | 137 | 392 | 165 | 79 | 29 |
| 31 | 69 | --- | 24 | 20 | --- | 20 | --- | 162 | --- | 160 | 72 | --- |
| TOTAL | 2716 | 1596 | 923 | 667 | 570 | 639 | 2194 | 8714 | 16032 | 7481 | 3099 | 1335 |
| MEAN | 87.6 | 53.2 | 29.8 | 21.5 | 20.4 | 20.6 | 73.1 | 281 | 534 | 241 | 100.0 | 44.5 |
| AC-FT | 5390 | 3170 | 1830 | 1320 | 1130 | 1270 | 4350 | 17280 | 31800 | 14840 | 6150 | 2650 |
| MAX | 110 | 73 | 42 | 25 | 22 | 22 | 318 | 510 | 684 | 392 | 162 | 67 |
| MIN | 69 | 44 | 24 | 16 | 20 | 19 | 20 | 137 | 234 | 160 | 55 | 29 |

CAL YR 1986 TOTAL 55932 MEAN 153 MAX 888 MIN 18 AC-FT 110900
WTR YR 1987 TOTAL 45966 MEAN 126 MAX 684 MIN 16 AC-FT 91170

MAX DISCH 804 CFS AT 2130 14-JUN-1987 GH 3.26 FT. SHIFT -0.04 FT. MAX GH 3.26 FT. AT 2130 14-JUN-1987



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO (1988)

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

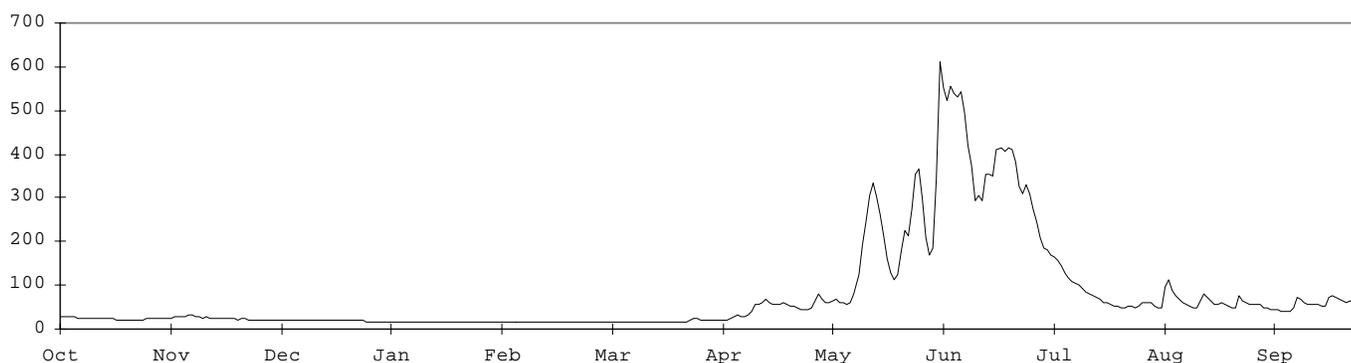
RATING TABLE.--ANIHOWCO07 USED FROM 01-OCT-1987 TO 30-SEP-1988

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|------|------|------|
| 1 | 29 | 25 | 20 | 18 | 17 | 15 | 19 | 80 | 169 | 244 | 62 | 56 |
| 2 | 29 | 27 | 21 | 18 | 17 | 15 | 19 | 69 | 184 | 211 | 59 | 56 |
| 3 | 28 | 27 | 21 | 18 | 17 | 15 | 20 | 59 | 344 | 187 | 54 | 50 |
| 4 | 28 | 27 | 20 | 18 | 17 | 16 | 21 | 61 | 610 | 182 | 50 | 49 |
| 5 | 28 | 27 | 20 | 17 | 17 | 16 | 21 | 65 | 550 | 170 | 49 | 46 |
| 6 | 26 | 34 | 21 | 17 | 16 | 17 | 24 | 70 | 525 | 165 | 95 | 45 |
| 7 | 25 | 32 | 21 | 17 | 16 | 17 | 30 | 61 | 555 | 157 | 112 | 43 |
| 8 | 25 | 29 | 20 | 17 | 16 | 17 | 33 | 61 | 540 | 144 | 88 | 40 |
| 9 | 24 | 27 | 20 | 17 | 16 | 16 | 30 | 55 | 530 | 130 | 75 | 39 |
| 10 | 24 | 26 | 20 | 17 | 16 | 17 | 29 | 62 | 545 | 116 | 67 | 40 |
| 11 | 23 | 27 | 21 | 17 | 16 | 16 | 31 | 82 | 495 | 108 | 61 | 50 |
| 12 | 23 | 25 | 20 | 17 | 16 | 16 | 39 | 126 | 419 | 104 | 58 | 73 |
| 13 | 25 | 25 | 20 | 17 | 16 | 16 | 55 | 193 | 374 | 99 | 51 | 67 |
| 14 | 26 | 25 | 19 | 17 | 16 | 16 | 56 | 244 | 294 | 91 | 49 | 61 |
| 15 | 25 | 25 | 19 | 17 | 16 | 16 | 62 | 304 | 304 | 86 | 49 | 58 |
| 16 | 24 | 25 | 19 | 17 | 15 | 16 | 69 | 333 | 294 | 80 | 65 | 56 |
| 17 | 22 | 25 | 19 | 16 | 15 | 16 | 62 | 300 | 353 | 77 | 80 | 56 |
| 18 | 22 | 24 | 19 | 17 | 15 | 16 | 55 | 262 | 353 | 73 | 72 | 55 |
| 19 | 22 | 24 | 19 | 17 | 15 | 16 | 55 | 214 | 349 | 67 | 65 | 52 |
| 20 | 22 | 22 | 19 | 16 | 15 | 16 | 56 | 162 | 410 | 62 | 58 | 51 |
| 21 | 21 | 23 | 19 | 16 | 15 | 16 | 62 | 130 | 414 | 59 | 58 | 73 |
| 22 | 21 | 23 | 19 | 16 | 15 | 17 | 56 | 114 | 406 | 55 | 61 | 77 |
| 23 | 21 | 22 | 19 | 17 | 15 | 17 | 54 | 123 | 414 | 52 | 55 | 72 |
| 24 | 22 | 22 | 19 | 16 | 15 | 17 | 52 | 179 | 410 | 51 | 51 | 67 |
| 25 | 24 | 22 | 19 | 16 | 15 | 18 | 47 | 224 | 383 | 50 | 50 | 65 |
| 26 | 24 | 22 | 18 | 17 | 15 | 20 | 44 | 214 | 325 | 49 | 50 | 62 |
| 27 | 23 | 20 | 18 | 16 | 15 | 24 | 43 | 272 | 311 | 52 | 77 | 64 |
| 28 | 23 | 20 | 18 | 16 | 15 | 23 | 45 | 353 | 329 | 51 | 64 | 59 |
| 29 | 24 | 20 | 18 | 17 | 15 | 20 | 49 | 365 | 308 | 50 | 61 | 55 |
| 30 | 24 | 20 | 18 | 17 | --- | 19 | 64 | 297 | 272 | 54 | 58 | 52 |
| 31 | 24 | --- | 18 | 17 | --- | 19 | --- | 208 | --- | 62 | 56 | --- |
| TOTAL | 751 | 742 | 601 | 523 | 455 | 531 | 1302 | 5342 | 11769 | 3138 | 1960 | 1689 |
| MEAN | 24.2 | 24.7 | 19.4 | 16.9 | 15.7 | 17.1 | 43.4 | 172 | 392 | 101 | 63.2 | 56.3 |
| AC-FT | 1490 | 1470 | 1190 | 1040 | 902 | 1050 | 2580 | 10600 | 23340 | 6220 | 3890 | 3350 |
| MAX | 29 | 34 | 21 | 18 | 17 | 24 | 69 | 365 | 610 | 244 | 112 | 77 |
| MIN | 21 | 20 | 18 | 16 | 15 | 15 | 19 | 55 | 169 | 49 | 49 | 39 |

| | | | | | | | | | |
|-------------------|-------|------|------|-----|-----|-----|----|-------|-------|
| CAL YR 1987 TOTAL | 42825 | MEAN | 117 | MAX | 684 | MIN | 16 | AC-FT | 84940 |
| WTR YR 1988 TOTAL | 28803 | MEAN | 78.7 | MAX | 610 | MIN | 15 | AC-FT | 57130 |

MAX DISCH 776 CFS AT 2030 04-JUN-1988 GH 3.20 FT. SHIFT -0.02 FT. MAX GH 3.20 FT. AT 2030 04-JUN-1988



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO (1989)

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

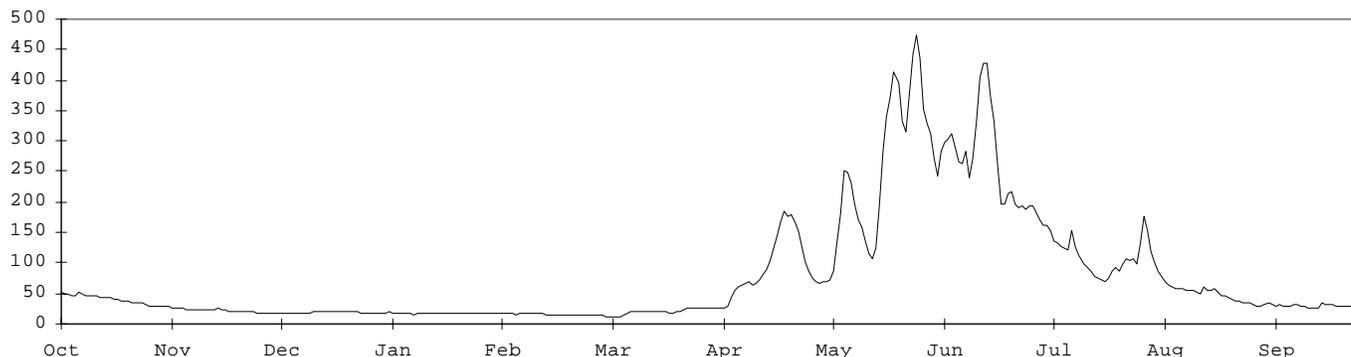
RATING TABLE.--ANIHOWCO07 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|------|------|------|
| 1 | 51 | 27 | 17 | 20 | 17 | 14 | 25 | 70 | 329 | 193 | 176 | 32 |
| 2 | 50 | 27 | 17 | 18 | 17 | 14 | 25 | 67 | 311 | 182 | 154 | 30 |
| 3 | 49 | 27 | 17 | 18 | 17 | 13 | 25 | 69 | 272 | 170 | 119 | 30 |
| 4 | 47 | 27 | 17 | 18 | 17 | 13 | 25 | 70 | 244 | 162 | 101 | 33 |
| 5 | 47 | 22 | 17 | 18 | 16 | 13 | 26 | 72 | 283 | 162 | 88 | 34 |
| 6 | 51 | 23 | 17 | 18 | 15 | 13 | 30 | 88 | 297 | 152 | 79 | 32 |
| 7 | 50 | 24 | 17 | 16 | 16 | 13 | 42 | 135 | 304 | 137 | 70 | 30 |
| 8 | 46 | 24 | 16 | 14 | 17 | 15 | 55 | 182 | 311 | 132 | 64 | 32 |
| 9 | 47 | 24 | 18 | 16 | 17 | 16 | 62 | 252 | 290 | 126 | 62 | 30 |
| 10 | 46 | 22 | 18 | 16 | 17 | 19 | 65 | 248 | 266 | 123 | 59 | 30 |
| 11 | 45 | 23 | 20 | 16 | 16 | 20 | 67 | 230 | 262 | 121 | 59 | 30 |
| 12 | 43 | 22 | 20 | 16 | 16 | 20 | 69 | 196 | 283 | 154 | 59 | 33 |
| 13 | 43 | 23 | 20 | 16 | 16 | 20 | 64 | 170 | 241 | 128 | 54 | 33 |
| 14 | 42 | 25 | 19 | 16 | 15 | 19 | 67 | 160 | 272 | 112 | 54 | 30 |
| 15 | 42 | 24 | 19 | 16 | 15 | 19 | 73 | 135 | 333 | 99 | 55 | 29 |
| 16 | 40 | 22 | 19 | 16 | 15 | 19 | 82 | 116 | 406 | 93 | 51 | 27 |
| 17 | 40 | 21 | 19 | 16 | 15 | 19 | 91 | 106 | 428 | 88 | 49 | 26 |
| 18 | 39 | 20 | 19 | 17 | 15 | 19 | 104 | 123 | 428 | 79 | 61 | 27 |
| 19 | 39 | 20 | 20 | 17 | 14 | 19 | 123 | 193 | 374 | 75 | 55 | 27 |
| 20 | 38 | 20 | 20 | 17 | 14 | 19 | 144 | 283 | 333 | 72 | 54 | 36 |
| 21 | 36 | 19 | 20 | 17 | 14 | 18 | 168 | 341 | 262 | 70 | 59 | 32 |
| 22 | 35 | 19 | 20 | 17 | 14 | 18 | 184 | 370 | 196 | 75 | 52 | 32 |
| 23 | 34 | 19 | 20 | 17 | 14 | 20 | 176 | 414 | 196 | 88 | 47 | 31 |
| 24 | 34 | 19 | 18 | 17 | 14 | 21 | 179 | 396 | 214 | 93 | 46 | 30 |
| 25 | 32 | 18 | 18 | 17 | 14 | 24 | 168 | 333 | 217 | 86 | 42 | 30 |
| 26 | 30 | 18 | 18 | 17 | 15 | 25 | 154 | 314 | 196 | 97 | 40 | 30 |
| 27 | 28 | 18 | 18 | 17 | 14 | 25 | 126 | 378 | 190 | 106 | 39 | 30 |
| 28 | 28 | 18 | 18 | 17 | 14 | 25 | 101 | 442 | 193 | 104 | 39 | 30 |
| 29 | 28 | 18 | 18 | 17 | --- | 26 | 88 | 475 | 187 | 108 | 35 | 30 |
| 30 | 29 | 18 | 18 | 17 | --- | 25 | 75 | 437 | 193 | 97 | 34 | 29 |
| 31 | 28 | --- | 18 | 17 | --- | 25 | --- | 353 | --- | 133 | 34 | --- |
| TOTAL | 1237 | 651 | 570 | 522 | 430 | 588 | 2683 | 7218 | 8311 | 3617 | 1990 | 915 |
| MEAN | 39.9 | 21.7 | 18.4 | 16.8 | 15.4 | 19.0 | 89.4 | 233 | 277 | 117 | 64.2 | 30.5 |
| AC-FT | 2450 | 1290 | 1130 | 1040 | 853 | 1170 | 5320 | 14320 | 16480 | 7170 | 3950 | 1810 |
| MAX | 51 | 27 | 20 | 20 | 17 | 26 | 184 | 475 | 428 | 193 | 176 | 36 |
| MIN | 28 | 18 | 16 | 14 | 14 | 13 | 25 | 67 | 187 | 70 | 34 | 26 |

CAL YR 1988 TOTAL 29167 MEAN 79.7 MAX 610 MIN 15 AC-FT 57850
WTR YR 1989 TOTAL 28732 MEAN 78.7 MAX 475 MIN 13 AC-FT 56990

MAX DISCH 550 CFS AT 2030 28-MAY-1989 GH 2.86 FT. SHIFT -0.07 FT. MAX GH 2.96 FT. AT 1130 26-JAN-1989



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO (1990)

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Water-stage recorder. Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

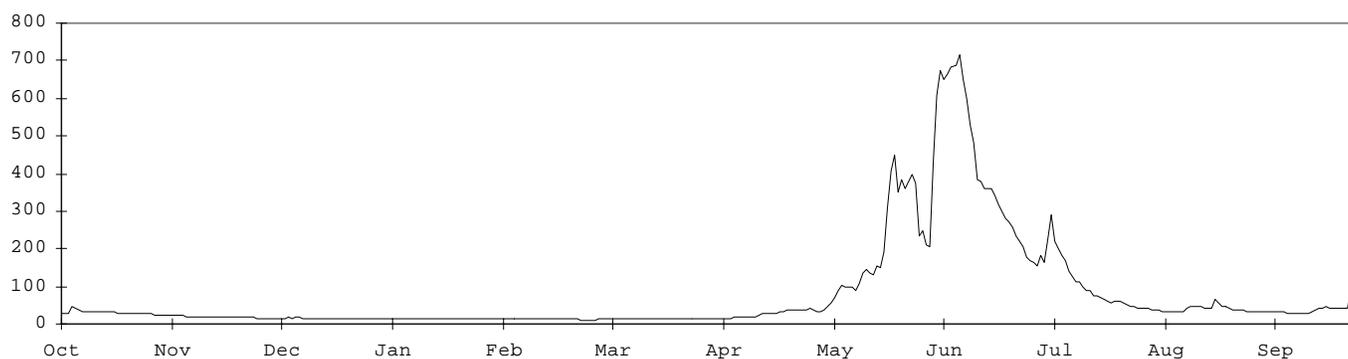
RATING TABLE.--ANIHOWCO07 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|------|------|------|------|-------|-------|------|------|------|
| 1 | 29 | 22 | 16 | 14 | 12 | 12 | 14 | 35 | 209 | 162 | 42 | 32 |
| 2 | 28 | 22 | 16 | 14 | 12 | 12 | 15 | 34 | 208 | 154 | 44 | 32 |
| 3 | 30 | 22 | 16 | 14 | 12 | 12 | 16 | 37 | 429 | 184 | 39 | 31 |
| 4 | 47 | 22 | 17 | 14 | 12 | 12 | 16 | 47 | 610 | 165 | 37 | 33 |
| 5 | 40 | 21 | 16 | 14 | 12 | 12 | 16 | 58 | 672 | 224 | 36 | 34 |
| 6 | 36 | 20 | 17 | 14 | 12 | 12 | 16 | 72 | 649 | 290 | 34 | 35 |
| 7 | 35 | 20 | 17 | 14 | 12 | 13 | 16 | 91 | 666 | 222 | 32 | 32 |
| 8 | 33 | 19 | 16 | 14 | 12 | 13 | 17 | 104 | 684 | 202 | 31 | 34 |
| 9 | 32 | 19 | 16 | 14 | 12 | 13 | 17 | 97 | 690 | 184 | 32 | 31 |
| 10 | 32 | 19 | 16 | 14 | 12 | 13 | 18 | 97 | 715 | 168 | 32 | 30 |
| 11 | 33 | 19 | 16 | 14 | 12 | 12 | 19 | 97 | 650 | 141 | 32 | 29 |
| 12 | 32 | 19 | 16 | 13 | 12 | 13 | 19 | 88 | 600 | 126 | 35 | 28 |
| 13 | 31 | 19 | 15 | 13 | 12 | 13 | 19 | 106 | 530 | 110 | 40 | 26 |
| 14 | 32 | 19 | 15 | 13 | 12 | 13 | 20 | 134 | 480 | 110 | 46 | 26 |
| 15 | 32 | 19 | 15 | 13 | 12 | 13 | 25 | 147 | 383 | 99 | 47 | 27 |
| 16 | 34 | 18 | 15 | 13 | 12 | 14 | 29 | 137 | 380 | 89 | 49 | 27 |
| 17 | 30 | 18 | 15 | 13 | 12 | 14 | 30 | 130 | 360 | 89 | 47 | 33 |
| 18 | 29 | 18 | 15 | 13 | 12 | 14 | 28 | 154 | 360 | 75 | 44 | 36 |
| 19 | 26 | 17 | 15 | 13 | 12 | 14 | 26 | 152 | 360 | 73 | 40 | 42 |
| 20 | 27 | 17 | 15 | 13 | 12 | 14 | 27 | 190 | 340 | 69 | 43 | 41 |
| 21 | 29 | 17 | 15 | 13 | 12 | 15 | 34 | 308 | 320 | 64 | 65 | 45 |
| 22 | 29 | 17 | 16 | 13 | 12 | 15 | 35 | 406 | 300 | 61 | 54 | 43 |
| 23 | 29 | 17 | 15 | 12 | 12 | 15 | 37 | 450 | 280 | 55 | 49 | 42 |
| 24 | 29 | 17 | 15 | 12 | 11 | 15 | 38 | 353 | 272 | 61 | 45 | 43 |
| 25 | 29 | 16 | 15 | 12 | 11 | 15 | 37 | 383 | 258 | 61 | 42 | 42 |
| 26 | 29 | 16 | 14 | 12 | 11 | 15 | 37 | 360 | 234 | 55 | 39 | 42 |
| 27 | 25 | 16 | 14 | 12 | 11 | 15 | 36 | 380 | 220 | 50 | 37 | 43 |
| 28 | 24 | 16 | 14 | 12 | 11 | 14 | 36 | 400 | 208 | 47 | 36 | 77 |
| 29 | 22 | 16 | 14 | 12 | --- | 14 | 40 | 374 | 179 | 46 | 36 | 85 |
| 30 | 22 | 16 | 14 | 12 | --- | 14 | 36 | 234 | 167 | 44 | 35 | 79 |
| 31 | 22 | --- | 14 | 12 | --- | 14 | --- | 248 | --- | 42 | 32 | --- |
| TOTAL | 937 | 553 | 475 | 405 | 331 | 419 | 769 | 5903 | 12413 | 3522 | 1252 | 1180 |
| MEAN | 30.2 | 18.4 | 15.3 | 13.1 | 11.8 | 13.5 | 25.6 | 190 | 414 | 114 | 40.4 | 39.3 |
| AC-FT | 1860 | 1100 | 942 | 803 | 657 | 831 | 1530 | 11710 | 24620 | 6990 | 2480 | 2340 |
| MAX | 47 | 22 | 17 | 14 | 12 | 15 | 40 | 450 | 715 | 290 | 65 | 85 |
| MIN | 22 | 16 | 14 | 12 | 11 | 12 | 14 | 34 | 167 | 42 | 31 | 26 |

CAL YR 1989 TOTAL 28239 MEAN 77.4 MAX 475 MIN 13 AC-FT 56010
WTR YR 1990 TOTAL 28159 MEAN 77.1 MAX 715 MIN 11 AC-FT 55850

MAX DISCH 946 CFS AT 1530 05-JUN-1990 GH 3.48 FT. SHIFT -0.06 FT. MAX GH 3.48 FT. AT 1530 05-JUN-1990



SAN JUAN RIVER BASIN

CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO (1989)

LOCATION.--Lat 37°07'03", long 108°11'53", in NW¼SW¼ sec. 7, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.--66 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

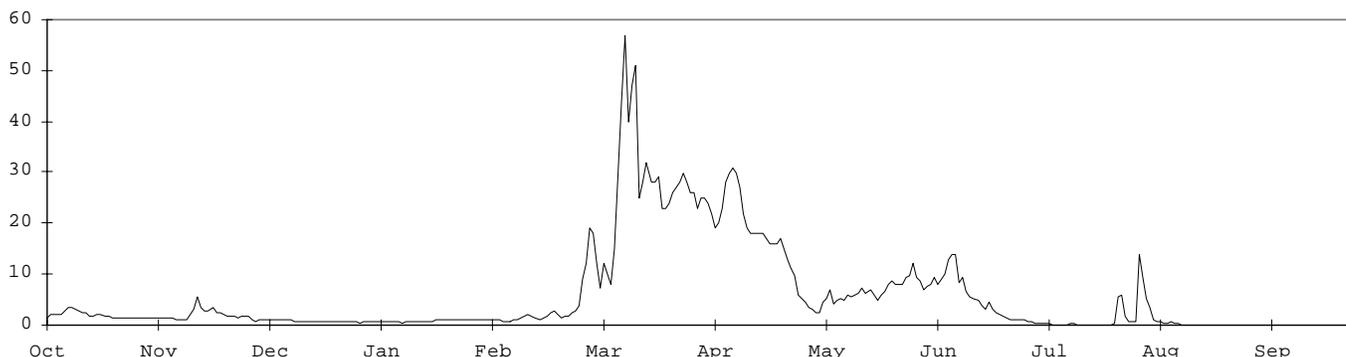
RATING TABLE.--CHEREDCO02 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-----|
| 1 | 1.5 | 1.4 | 1.0 | 0.60 | 1.0 | 19 | 25 | 3.4 | 8.5 | 0.79 | 14 | 0.0 |
| 2 | 2.1 | 1.4 | 1.0 | 0.60 | 1.0 | 18 | 25 | 3.1 | 7.0 | 0.60 | 9.3 | 0.0 |
| 3 | 2.0 | 1.4 | 1.0 | 0.60 | 1.0 | 12 | 24 | 2.6 | 7.8 | 0.46 | 5.2 | 0.0 |
| 4 | 2.0 | 1.4 | 1.0 | 0.80 | 1.0 | 7.3 | 22 | 2.3 | 7.9 | 0.37 | 3.4 | 0.0 |
| 5 | 2.2 | 1.4 | 1.0 | 0.80 | 0.80 | 12 | 19 | 4.4 | 9.3 | 0.29 | 1.2 | 0.0 |
| 6 | 2.9 | 1.2 | 1.0 | 0.60 | 0.60 | 10 | 20 | 5.2 | 8.1 | 0.26 | 0.54 | 0.0 |
| 7 | 3.3 | 1.2 | 1.0 | 0.60 | 0.80 | 8.1 | 23 | 6.8 | 9.0 | 0.18 | 0.54 | 0.0 |
| 8 | 3.4 | 1.2 | 0.99 | 0.40 | 1.2 | 15 | 28 | 4.3 | 10 | 0.15 | 0.42 | 0.0 |
| 9 | 3.0 | 1.2 | 0.80 | 0.60 | 1.2 | 29 | 30 | 4.8 | 13 | 0.11 | 0.47 | 0.0 |
| 10 | 2.8 | 2.2 | 0.80 | 0.80 | 1.4 | 44 | 31 | 5.3 | 14 | 0.01 | 0.57 | 0.0 |
| 11 | 2.5 | 3.0 | 0.60 | 0.80 | 1.9 | 57 | 30 | 4.8 | 14 | 0.00 | 0.44 | 0.0 |
| 12 | 2.3 | 5.6 | 0.60 | 0.60 | 2.0 | 40 | 27 | 5.9 | 8.3 | 0.12 | 0.41 | 0.0 |
| 13 | 1.8 | 3.4 | 0.60 | 0.60 | 1.8 | 47 | 22 | 5.6 | 9.5 | 0.42 | 0.17 | 0.0 |
| 14 | 1.8 | 2.7 | 0.60 | 0.80 | 1.3 | 51 | 19 | 5.9 | 6.5 | 0.19 | 0.06 | 0.0 |
| 15 | 2.2 | 2.9 | 0.70 | 0.80 | 1.2 | 25 | 18 | 6.3 | 5.4 | 0.06 | 0.01 | 0.0 |
| 16 | 2.1 | 3.5 | 0.60 | 0.80 | 1.4 | 28 | 18 | 7.2 | 5.1 | 0.00 | 0.01 | 0.0 |
| 17 | 1.9 | 2.4 | 0.60 | 1.0 | 1.8 | 32 | 18 | 6.3 | 4.7 | 0.0 | 0.00 | 0.0 |
| 18 | 1.7 | 2.4 | 0.80 | 1.0 | 2.5 | 28 | 18 | 6.9 | 3.9 | 0.0 | 0.0 | 0.0 |
| 19 | 1.4 | 2.0 | 0.80 | 1.0 | 2.7 | 28 | 17 | 5.9 | 3.1 | 0.0 | 0.0 | 0.0 |
| 20 | 1.4 | 1.6 | 0.80 | 1.0 | 2.0 | 29 | 16 | 4.9 | 4.5 | 0.0 | 0.0 | 0.0 |
| 21 | 1.4 | 1.8 | 0.80 | 1.0 | 1.5 | 23 | 16 | 5.9 | 3.2 | 0.0 | 0.0 | 0.0 |
| 22 | 1.4 | 1.8 | 0.80 | 1.0 | 1.7 | 23 | 16 | 6.6 | 2.6 | 0.0 | 0.0 | 0.0 |
| 23 | 1.4 | 1.4 | 0.80 | 1.0 | 1.9 | 24 | 17 | 7.9 | 2.2 | 0.0 | 0.0 | 0.0 |
| 24 | 1.4 | 1.6 | 0.80 | 1.0 | 2.4 | 26 | 15 | 8.6 | 1.8 | 0.0 | 0.0 | 0.0 |
| 25 | 1.4 | 1.8 | 0.80 | 1.0 | 2.9 | 27 | 13 | 8.1 | 1.5 | 0.19 | 0.0 | 0.0 |
| 26 | 1.4 | 1.6 | 0.60 | 1.0 | 3.7 | 28 | 11 | 7.9 | 1.2 | 5.6 | 0.0 | 0.0 |
| 27 | 1.4 | 1.2 | 0.40 | 1.0 | 9.0 | 30 | 9.6 | 7.9 | 1.2 | 5.9 | 0.0 | 0.0 |
| 28 | 1.4 | 0.80 | 0.60 | 1.0 | 12 | 28 | 5.9 | 9.3 | 1.1 | 1.7 | 0.0 | 0.0 |
| 29 | 1.4 | 1.0 | 0.60 | 1.0 | --- | 26 | 5.3 | 9.8 | 1.0 | 0.64 | 0.0 | 0.0 |
| 30 | 1.4 | 1.0 | 0.80 | 1.0 | --- | 26 | 4.4 | 12 | 0.94 | 0.70 | 0.0 | 0.0 |
| 31 | 1.3 | --- | 0.80 | 1.0 | --- | 23 | --- | 9.2 | --- | 0.60 | 0.0 | --- |
| TOTAL | 59.6 | 57.50 | 24.09 | 25.80 | 63.70 | 823.4 | 563.2 | 195.1 | 176.34 | 19.36 | 36.74 | 0.0 |
| MEAN | 1.92 | 1.92 | 0.78 | 0.83 | 2.28 | 26.6 | 18.8 | 6.29 | 5.88 | 0.62 | 1.19 | 0.0 |
| AC-FT | 118 | 114 | 48 | 51 | 126 | 1630 | 1120 | 387 | 350 | 38 | 73 | 0.0 |
| MAX | 3.4 | 5.6 | 1.0 | 1.0 | 12 | 57 | 31 | 12 | 14 | 5.9 | 14 | 0.0 |
| MIN | 1.3 | 0.80 | 0.40 | 0.40 | 0.60 | 7.3 | 4.4 | 2.3 | 0.94 | 0.0 | 0.0 | 0.0 |

WTR YR 1989 TOTAL 2044.83 MEAN 5.60 MAX 57 MIN 0.00 AC-FT 4060

MAX DISCH 100 CFS AT 0145 14-MAR-1989 GH 2.66 FT. SHIFT 0.00 FT. MAX GH 2.66 FT. AT 0145 14-MAR-1989



SAN JUAN RIVER BASIN

CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO (1990)

LOCATION.--Lat 37°07'03", long 108°11'53", in NW¼SW¼ sec. 7, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.--66 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

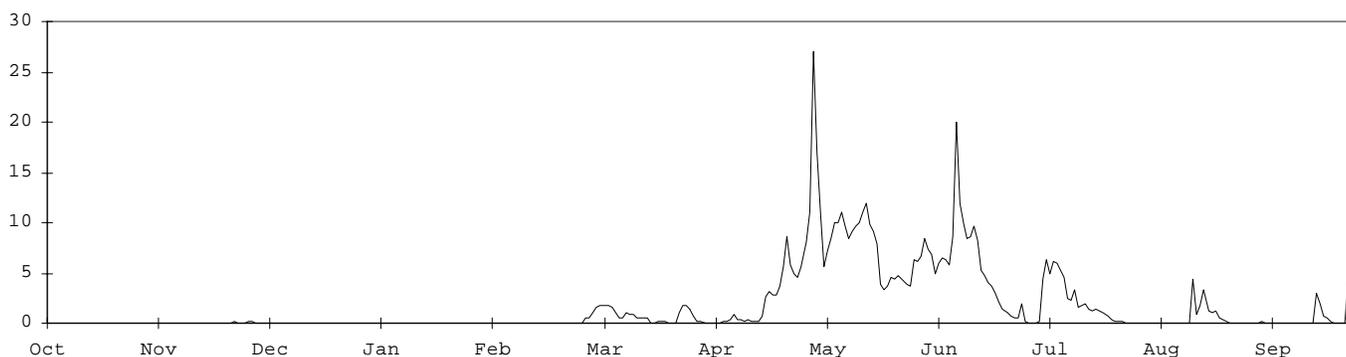
RATING TABLE.--CHEREDCO02 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|------|------|-----|------|-------|-------|-------|--------|-------|-------|-------|
| 1 | 0.0 | 0.0 | 0.02 | 0.0 | 0.0 | 0.50 | 0.09 | 11 | 6.7 | 0.06 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.03 | 27 | 8.4 | 0.01 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.02 | 17 | 7.4 | 0.05 | 0.0 | 0.04 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.01 | 11 | 6.8 | 0.19 | 0.0 | 0.19 |
| 5 | 0.05 | 0.00 | 0.0 | 0.0 | 0.0 | 1.8 | 0.00 | 5.6 | 5.0 | 4.3 | 0.0 | 0.0 |
| 6 | 0.01 | 0.02 | 0.0 | 0.0 | 0.0 | 1.7 | 0.00 | 7.2 | 5.9 | 6.4 | 0.0 | 0.01 |
| 7 | 0.0 | 0.05 | 0.0 | 0.0 | 0.0 | 1.5 | 0.09 | 8.5 | 6.5 | 4.9 | 0.0 | 0.00 |
| 8 | 0.0 | 0.03 | 0.0 | 0.0 | 0.0 | 1.0 | 0.22 | 10 | 6.3 | 6.2 | 0.0 | 0.0 |
| 9 | 0.0 | 0.01 | 0.0 | 0.0 | 0.0 | 0.50 | 0.42 | 10 | 5.8 | 5.9 | 0.0 | 0.0 |
| 10 | 0.0 | 0.02 | 0.0 | 0.0 | 0.0 | 0.55 | 0.91 | 11 | 8.6 | 5.2 | 0.0 | 0.0 |
| 11 | 0.0 | 0.01 | 0.0 | 0.0 | 0.0 | 0.99 | 0.41 | 9.7 | 20 | 4.5 | 0.0 | 0.0 |
| 12 | 0.0 | 0.02 | 0.0 | 0.0 | 0.0 | 0.80 | 0.28 | 8.4 | 12 | 2.5 | 0.0 | 0.0 |
| 13 | 0.0 | 0.02 | 0.0 | 0.0 | 0.0 | 0.80 | 0.23 | 9.1 | 10 | 2.2 | 0.0 | 0.0 |
| 14 | 0.0 | 0.02 | 0.0 | 0.0 | 0.0 | 0.60 | 0.32 | 9.7 | 8.5 | 3.3 | 0.0 | 0.0 |
| 15 | 0.0 | 0.01 | 0.0 | 0.0 | 0.0 | 0.60 | 0.26 | 10 | 8.6 | 1.6 | 0.0 | 0.0 |
| 16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.60 | 0.19 | 11 | 9.6 | 1.7 | 4.4 | 0.0 |
| 17 | 0.0 | 0.00 | 0.0 | 0.0 | 0.0 | 0.57 | 0.15 | 12 | 8.2 | 2.0 | 0.93 | 0.0 |
| 18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.04 | 0.71 | 9.8 | 5.3 | 1.4 | 1.8 | 0.0 |
| 19 | 0.0 | 0.01 | 0.0 | 0.0 | 0.0 | 0.07 | 2.6 | 9.2 | 4.8 | 1.2 | 3.3 | 3.0 |
| 20 | 0.0 | 0.03 | 0.0 | 0.0 | 0.0 | 0.21 | 3.2 | 7.9 | 4.1 | 1.4 | 1.2 | 2.0 |
| 21 | 0.0 | 0.06 | 0.0 | 0.0 | 0.0 | 0.20 | 2.8 | 3.9 | 3.7 | 1.3 | 1.1 | 0.70 |
| 22 | 0.0 | 0.10 | 0.0 | 0.0 | 0.0 | 0.11 | 2.8 | 3.4 | 2.9 | 1.0 | 1.3 | 0.47 |
| 23 | 0.0 | 0.08 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 3.6 | 2.1 | 0.66 | 0.61 | 0.23 |
| 24 | 0.0 | 0.05 | 0.0 | 0.0 | 0.0 | 0.01 | 5.7 | 4.5 | 1.4 | 0.28 | 0.29 | 0.01 |
| 25 | 0.0 | 0.06 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 4.3 | 1.0 | 0.24 | 0.09 | 0.0 |
| 26 | 0.0 | 0.11 | 0.0 | 0.0 | 0.0 | 1.1 | 5.8 | 4.8 | 0.78 | 0.25 | 0.01 | 0.0 |
| 27 | 0.01 | 0.13 | 0.0 | 0.0 | 0.0 | 1.7 | 4.9 | 4.3 | 0.58 | 0.12 | 0.0 | 0.0 |
| 28 | 0.07 | 0.05 | 0.0 | 0.0 | 0.0 | 0.50 | 1.8 | 4.6 | 3.9 | 0.44 | 0.0 | 4.1 |
| 29 | 0.06 | 0.01 | 0.0 | 0.0 | --- | 1.4 | 5.6 | 3.7 | 2.0 | 0.0 | 0.0 | 0.03 |
| 30 | 0.02 | 0.01 | 0.0 | 0.0 | --- | 0.64 | 8.1 | 6.3 | 0.15 | 0.0 | 0.0 | 0.34 |
| 31 | 0.0 | --- | 0.0 | 0.0 | --- | 0.17 | --- | 6.1 | --- | 0.0 | 0.0 | --- |
| TOTAL | 0.21 | 0.93 | 0.02 | 0.0 | 0.50 | 24.16 | 62.66 | 263.9 | 173.56 | 58.85 | 15.03 | 11.13 |
| MEAN | 0.01 | 0.03 | 0.00 | 0.0 | 0.02 | 0.78 | 2.09 | 8.51 | 5.79 | 1.90 | 0.48 | 0.37 |
| AC-FT | 0.42 | 1.8 | 0.03 | 0.0 | 0.99 | 48 | 124 | 523 | 344 | 117 | 30 | 22 |
| MAX | 0.07 | 0.13 | 0.02 | 0.0 | 0.50 | 1.8 | 8.6 | 27 | 20 | 6.4 | 4.4 | 4.1 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 3.4 | 0.15 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | |
|-------------------|---------|------|------|-----|----|-----|------|-------|------|
| CAL YR 1989 TOTAL | 1904.79 | MEAN | 5.22 | MAX | 57 | MIN | 0.00 | AC-FT | 3780 |
| WTR YR 1990 TOTAL | 610.94 | MEAN | 1.67 | MAX | 27 | MIN | 0.00 | AC-FT | 1210 |

MAX DISCH 127 CFS AT 1815 28-SEP-1990 GH 2.77 FT. SHIFT 0.04 FT. MAX GH 2.77 FT. AT 1815 28-SEP-1990



SAN JUAN RIVER BASIN

LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO (1989)

LOCATION.--Lat 37°03'02", long 108°10'23", in SE¼SW¼ sec. 32, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.-- 46.5 mi².

GAGE.--Water-stage recorder with satellite telemetry and a three foot Parshall flume. Datum of gauge is 6,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

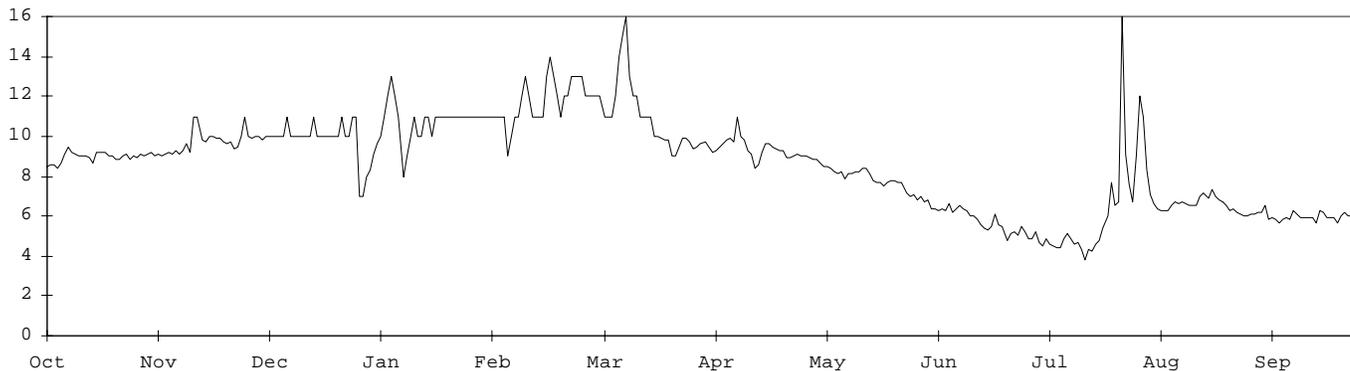
RATING TABLE.--LONREDCO01 USED FROM 01-OCT-1988 TO 30-SEP-1989

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 8.5 | 9.1 | 10 | 9.6 | 11 | 12 | 9.6 | 8.9 | 7.0 | 4.9 | 12 | 6.1 |
| 2 | 8.6 | 9.0 | 10 | 10 | 11 | 12 | 9.7 | 8.8 | 6.7 | 4.9 | 11 | 6.1 |
| 3 | 8.6 | 9.1 | 10 | 11 | 11 | 12 | 9.5 | 8.8 | 6.8 | 5.2 | 8.3 | 6.2 |
| 4 | 8.4 | 9.2 | 10 | 12 | 11 | 12 | 9.2 | 8.7 | 6.4 | 4.7 | 7.1 | 6.2 |
| 5 | 8.7 | 9.1 | 10 | 13 | 11 | 11 | 9.3 | 8.5 | 6.4 | 4.5 | 6.6 | 6.5 |
| 6 | 9.1 | 9.3 | 10 | 12 | 9.0 | 11 | 9.5 | 8.5 | 6.3 | 4.9 | 6.4 | 5.8 |
| 7 | 9.5 | 9.1 | 11 | 11 | 10 | 11 | 9.6 | 8.4 | 6.4 | 4.6 | 6.3 | 5.9 |
| 8 | 9.2 | 9.3 | 10 | 8.0 | 11 | 12 | 9.8 | 8.2 | 6.3 | 4.5 | 6.3 | 5.8 |
| 9 | 9.1 | 9.6 | 10 | 9.0 | 11 | 14 | 9.9 | 8.1 | 6.6 | 4.4 | 6.3 | 5.7 |
| 10 | 9.0 | 9.2 | 10 | 10 | 12 | 15 | 9.7 | 8.2 | 6.2 | 4.4 | 6.5 | 5.8 |
| 11 | 9.0 | 11 | 10 | 11 | 13 | 16 | 11 | 7.9 | 6.4 | 4.9 | 6.7 | 5.9 |
| 12 | 9.0 | 11 | 10 | 10 | 12 | 13 | 10 | 8.1 | 6.5 | 5.1 | 6.6 | 5.8 |
| 13 | 8.9 | 9.8 | 10 | 10 | 11 | 12 | 9.8 | 8.1 | 6.4 | 4.9 | 6.7 | 6.3 |
| 14 | 8.7 | 9.7 | 11 | 11 | 11 | 12 | 9.3 | 8.2 | 6.3 | 4.6 | 6.6 | 6.1 |
| 15 | 9.2 | 10 | 10 | 11 | 11 | 11 | 9.1 | 8.2 | 6.0 | 4.7 | 6.5 | 5.9 |
| 16 | 9.2 | 10 | 10 | 10 | 11 | 11 | 8.4 | 8.4 | 6.0 | 4.3 | 6.5 | 5.9 |
| 17 | 9.2 | 9.9 | 10 | 11 | 13 | 11 | 8.6 | 8.4 | 5.8 | 3.8 | 6.5 | 5.9 |
| 18 | 9.0 | 9.9 | 10 | 11 | 14 | 11 | 9.2 | 8.1 | 5.6 | 4.3 | 7.0 | 5.9 |
| 19 | 9.0 | 9.7 | 10 | 11 | 13 | 10 | 9.6 | 7.8 | 5.4 | 4.2 | 7.2 | 5.7 |
| 20 | 8.8 | 9.6 | 10 | 11 | 12 | 10 | 9.6 | 7.7 | 5.3 | 4.6 | 6.9 | 6.3 |
| 21 | 8.8 | 9.7 | 10 | 11 | 11 | 9.9 | 9.5 | 7.7 | 5.5 | 4.8 | 7.3 | 6.2 |
| 22 | 9.0 | 9.4 | 11 | 11 | 12 | 9.8 | 9.4 | 7.5 | 6.1 | 5.4 | 7.0 | 5.9 |
| 23 | 9.1 | 9.5 | 10 | 11 | 12 | 9.8 | 9.3 | 7.7 | 5.6 | 6.0 | 6.8 | 5.9 |
| 24 | 8.8 | 10 | 10 | 11 | 13 | 9.0 | 9.3 | 7.8 | 5.5 | 7.7 | 6.7 | 5.9 |
| 25 | 9.0 | 11 | 11 | 11 | 13 | 9.0 | 8.9 | 7.8 | 4.8 | 6.5 | 6.5 | 5.7 |
| 26 | 8.9 | 10 | 11 | 11 | 13 | 9.5 | 8.9 | 7.7 | 5.1 | 6.7 | 6.3 | 6.0 |
| 27 | 9.1 | 9.9 | 7.0 | 11 | 13 | 9.9 | 9.0 | 7.7 | 5.2 | 16 | 6.4 | 6.2 |
| 28 | 9.0 | 10 | 7.0 | 11 | 12 | 9.9 | 9.1 | 7.2 | 5.0 | 9.1 | 6.2 | 6.0 |
| 29 | 9.1 | 10 | 8.0 | 11 | --- | 9.7 | 9.0 | 7.0 | 5.5 | 7.6 | 6.1 | 6.0 |
| 30 | 9.2 | 9.8 | 8.3 | 11 | --- | 9.4 | 9.0 | 7.1 | 5.2 | 6.7 | 6.0 | 6.0 |
| 31 | 9.0 | --- | 9.1 | 11 | --- | 9.5 | --- | 6.8 | --- | 9.0 | 6.0 | --- |
| TOTAL | 277.7 | 291.9 | 304.4 | 333.6 | 328.0 | 344.4 | 281.8 | 248.0 | 178.3 | 177.9 | 215.3 | 179.6 |
| MEAN | 8.96 | 9.73 | 9.82 | 10.8 | 11.7 | 11.1 | 9.39 | 8.00 | 5.94 | 5.74 | 6.95 | 5.99 |
| AC-FT | 551 | 579 | 604 | 662 | 651 | 683 | 559 | 492 | 354 | 353 | 427 | 356 |
| MAX | 9.5 | 11 | 11 | 13 | 14 | 16 | 11 | 8.9 | 7.0 | 16 | 12 | 6.5 |
| MIN | 8.4 | 9.0 | 7.0 | 8.0 | 9.0 | 9.0 | 8.4 | 6.8 | 4.8 | 3.8 | 6.0 | 5.7 |

WTR YR 1989 TOTAL 3160.9 MEAN 8.66 MAX 16 MIN 3.8 AC-FT 6270

MAX DISCH 70 CFS AT 1330 27-JUL-1989 GH 2.54 FT. SHIFT 0.00 FT. MAX GH 2.54 FT. AT 1330 27-JUL-1989



SAN JUAN RIVER BASIN

LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO (1990)

LOCATION.--Lat 37°03'02", long 108°10'23", in SE¼SW¼ sec. 32, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.-- 46.5 mi².

GAGE.--Water-stage recorder with satellite telemetry and a three foot Parshall flume. Datum of gauge is 6,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

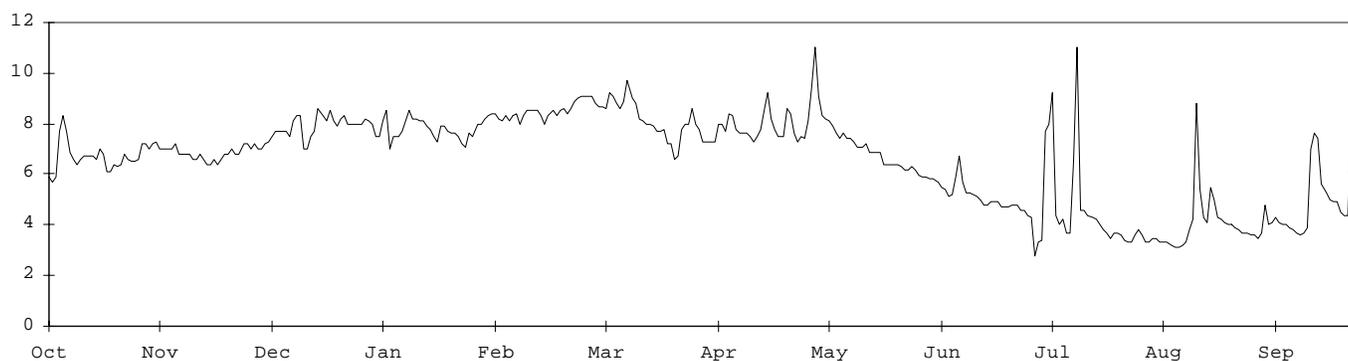
RATING TABLE.--LONREDCO01 USED FROM 01-OCT-1989 TO 30-SEP-1990

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 5.9 | 7.0 | 7.3 | 7.5 | 8.4 | 9.1 | 7.3 | 9.4 | 5.9 | 4.3 | 3.6 | 3.6 |
| 2 | 5.7 | 7.0 | 7.5 | 8.1 | 8.4 | 8.8 | 7.3 | 11 | 5.9 | 2.8 | 3.3 | 3.5 |
| 3 | 5.9 | 7.0 | 7.7 | 8.5 | 8.2 | 8.7 | 7.3 | 9.1 | 5.8 | 3.3 | 3.3 | 3.7 |
| 4 | 7.7 | 7.0 | 7.7 | 7.0 | 8.1 | 8.7 | 7.3 | 8.3 | 5.8 | 3.4 | 3.5 | 4.8 |
| 5 | 8.3 | 7.2 | 7.7 | 7.5 | 8.3 | 8.6 | 8.0 | 8.2 | 5.7 | 7.7 | 3.5 | 4.0 |
| 6 | 7.7 | 6.8 | 7.7 | 7.5 | 8.1 | 9.2 | 8.0 | 8.1 | 5.5 | 8.0 | 3.3 | 4.1 |
| 7 | 6.9 | 6.8 | 7.5 | 7.7 | 8.3 | 9.1 | 7.7 | 7.9 | 5.4 | 9.2 | 3.3 | 4.3 |
| 8 | 6.6 | 6.8 | 8.1 | 8.1 | 8.4 | 8.8 | 8.4 | 7.6 | 5.1 | 4.4 | 3.3 | 4.1 |
| 9 | 6.4 | 6.8 | 8.3 | 8.5 | 8.0 | 8.6 | 8.3 | 7.4 | 5.2 | 4.0 | 3.2 | 4.0 |
| 10 | 6.6 | 6.6 | 8.3 | 8.2 | 8.3 | 8.9 | 7.8 | 7.6 | 5.9 | 4.2 | 3.1 | 4.0 |
| 11 | 6.7 | 6.6 | 7.0 | 8.2 | 8.5 | 9.7 | 7.6 | 7.4 | 6.7 | 3.7 | 3.1 | 3.9 |
| 12 | 6.7 | 6.8 | 7.0 | 8.1 | 8.5 | 9.0 | 7.6 | 7.4 | 5.7 | 3.7 | 3.2 | 3.8 |
| 13 | 6.7 | 6.6 | 7.5 | 8.1 | 8.5 | 8.8 | 7.6 | 7.3 | 5.3 | 6.5 | 3.3 | 3.7 |
| 14 | 6.6 | 6.4 | 7.7 | 7.9 | 8.5 | 8.2 | 7.5 | 7.1 | 5.3 | 11 | 3.8 | 3.6 |
| 15 | 7.0 | 6.4 | 8.6 | 7.8 | 8.3 | 8.1 | 7.3 | 7.1 | 5.2 | 4.6 | 4.2 | 3.7 |
| 16 | 6.8 | 6.6 | 8.3 | 7.5 | 8.0 | 8.0 | 7.5 | 7.2 | 5.1 | 4.6 | 8.8 | 3.9 |
| 17 | 6.1 | 6.4 | 8.1 | 7.3 | 8.3 | 8.0 | 7.8 | 6.9 | 5.0 | 4.4 | 5.4 | 7.0 |
| 18 | 6.1 | 6.6 | 8.5 | 7.9 | 8.5 | 7.9 | 8.5 | 6.9 | 4.8 | 4.3 | 4.3 | 7.6 |
| 19 | 6.4 | 6.8 | 8.1 | 7.9 | 8.3 | 7.7 | 9.2 | 6.9 | 4.8 | 4.2 | 4.1 | 7.4 |
| 20 | 6.3 | 6.8 | 7.9 | 7.7 | 8.5 | 7.7 | 8.2 | 6.9 | 4.9 | 4.0 | 5.5 | 5.6 |
| 21 | 6.4 | 7.0 | 8.2 | 7.6 | 8.6 | 7.8 | 7.8 | 6.4 | 4.9 | 3.8 | 5.0 | 5.3 |
| 22 | 6.8 | 6.8 | 8.3 | 7.6 | 8.4 | 7.2 | 7.5 | 6.4 | 4.9 | 3.7 | 4.3 | 5.0 |
| 23 | 6.6 | 6.8 | 8.0 | 7.5 | 8.6 | 7.2 | 7.5 | 6.4 | 4.7 | 3.5 | 4.2 | 4.9 |
| 24 | 6.5 | 7.2 | 8.0 | 7.2 | 8.9 | 6.6 | 8.6 | 6.4 | 4.7 | 3.7 | 4.1 | 4.9 |
| 25 | 6.5 | 7.2 | 8.0 | 7.1 | 9.0 | 6.7 | 8.4 | 6.4 | 4.7 | 3.7 | 4.0 | 4.5 |
| 26 | 6.6 | 7.0 | 8.0 | 7.6 | 9.1 | 7.8 | 7.6 | 6.3 | 4.8 | 3.6 | 4.0 | 4.4 |
| 27 | 7.2 | 7.2 | 8.0 | 7.5 | 9.1 | 8.0 | 7.3 | 6.2 | 4.8 | 3.4 | 3.9 | 4.4 |
| 28 | 7.2 | 7.0 | 8.2 | 8.0 | 9.1 | 8.0 | 7.5 | 6.2 | 4.6 | 3.3 | 3.8 | 6.7 |
| 29 | 7.0 | 7.0 | 8.1 | 8.0 | --- | 8.6 | 7.4 | 6.3 | 4.6 | 3.3 | 3.7 | 6.4 |
| 30 | 7.2 | 7.2 | 8.0 | 8.2 | --- | 8.0 | 8.1 | 6.2 | 4.4 | 3.6 | 3.7 | 5.7 |
| 31 | 7.3 | --- | 7.5 | 8.3 | --- | 7.8 | --- | 6.0 | --- | 3.8 | 3.6 | --- |
| TOTAL | 208.4 | 205.4 | 244.8 | 241.6 | 237.2 | 255.3 | 233.9 | 224.9 | 156.1 | 141.7 | 123.4 | 142.5 |
| MEAN | 6.72 | 6.85 | 7.90 | 7.79 | 8.47 | 8.24 | 7.80 | 7.25 | 5.20 | 4.57 | 3.98 | 4.75 |
| AC-FT | 413 | 407 | 486 | 479 | 470 | 506 | 464 | 446 | 310 | 281 | 245 | 283 |
| MAX | 8.3 | 7.2 | 8.6 | 8.5 | 9.1 | 9.7 | 9.2 | 11 | 6.7 | 11 | 8.8 | 7.6 |
| MIN | 5.7 | 6.4 | 7.0 | 7.0 | 8.0 | 6.6 | 7.3 | 6.0 | 4.4 | 2.8 | 3.1 | 3.5 |

CAL YR 1989 TOTAL 2945.5 MEAN 8.07 MAX 16 MIN 3.8 AC-FT 5840
 WTR YR 1990 TOTAL 2415.2 MEAN 6.62 MAX 11 MIN 2.8 AC-FT 4790

MAX DISCH 53 CFS AT 1915 05-JUL-1990 GH 2.13 FT. SHIFT 0.00 FT. MAX GH 2.13 FT. AT 1915 05-JUL-1990



SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO (1980)

LOCATION.--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., NMPM, Montezuma County.

DRAINAGE AREA.--72.6 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

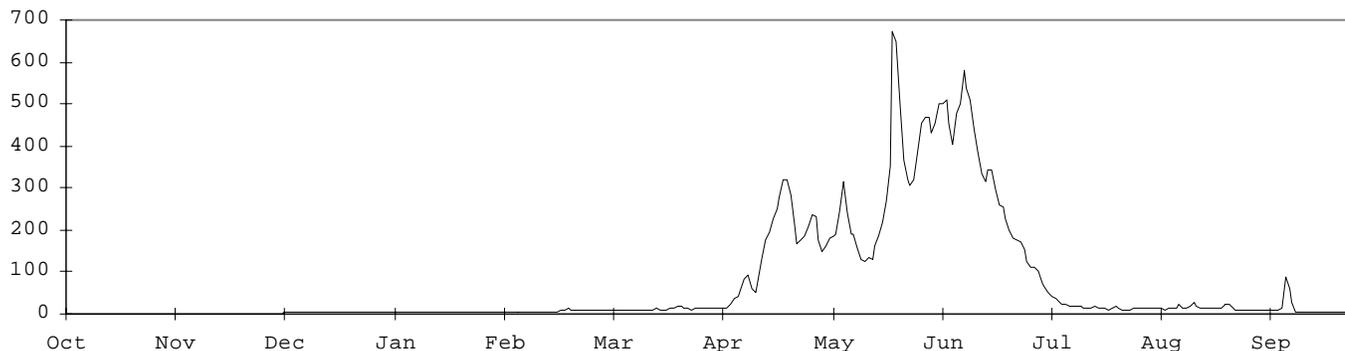
RATING TABLE.--MANMANCO03 USED FROM 01-OCT-1979 TO 30-SEP-1980

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|
| 1 | 0.94 | 0.09 | 2.0 | 2.5 | 3.5 | 8.5 | 12 | 174 | 468 | 113 | 13 | 10 |
| 2 | 0.76 | 0.40 | 2.5 | 2.5 | 3.5 | 9.0 | 13 | 148 | 432 | 102 | 13 | 9.4 |
| 3 | 0.76 | 0.26 | 3.0 | 2.5 | 4.0 | 10 | 12 | 161 | 453 | 72 | 13 | 8.5 |
| 4 | 0.58 | 0.76 | 3.0 | 2.5 | 4.0 | 10 | 13 | 181 | 500 | 63 | 13 | 8.5 |
| 5 | 0.58 | 0.94 | 3.0 | 2.5 | 4.0 | 9.5 | 14 | 185 | 500 | 51 | 13 | 9.1 |
| 6 | 0.58 | 0.84 | 2.5 | 2.7 | 4.0 | 10 | 23 | 192 | 508 | 41 | 12 | 9.7 |
| 7 | 0.40 | 0.94 | 2.5 | 2.7 | 4.5 | 10 | 35 | 244 | 453 | 35 | 11 | 9.7 |
| 8 | 0.40 | 1.7 | 2.5 | 3.0 | 4.0 | 9.0 | 40 | 314 | 404 | 28 | 12 | 10 |
| 9 | 0.40 | 1.5 | 2.5 | 3.5 | 3.5 | 8.5 | 54 | 239 | 476 | 22 | 13 | 13 |
| 10 | 0.40 | 1.1 | 2.5 | 4.0 | 3.0 | 8.5 | 84 | 188 | 500 | 22 | 13 | 86 |
| 11 | 0.26 | 0.58 | 3.0 | 4.0 | 3.0 | 9.5 | 93 | 188 | 580 | 20 | 23 | 58 |
| 12 | 0.13 | 0.58 | 3.0 | 4.0 | 3.0 | 9.5 | 61 | 157 | 540 | 19 | 13 | 26 |
| 13 | 0.05 | 0.13 | 2.5 | 4.5 | 3.5 | 9.0 | 51 | 129 | 508 | 20 | 14 | 6.7 |
| 14 | 0.02 | 0.58 | 2.5 | 5.0 | 4.5 | 10 | 78 | 126 | 439 | 17 | 18 | 4.9 |
| 15 | 0.03 | 0.58 | 2.5 | 4.5 | 5.5 | 11 | 132 | 135 | 384 | 13 | 30 | 4.2 |
| 16 | 0.02 | 0.13 | 2.5 | 4.5 | 6.0 | 12 | 178 | 132 | 336 | 13 | 17 | 3.5 |
| 17 | 0.09 | 0.13 | 2.5 | 4.5 | 6.0 | 10 | 196 | 164 | 314 | 13 | 13 | 3.7 |
| 18 | 0.12 | 0.40 | 2.5 | 5.5 | 8.0 | 10 | 226 | 185 | 342 | 17 | 12 | 3.5 |
| 19 | 0.13 | 0.26 | 2.5 | 5.0 | 10 | 11 | 250 | 217 | 342 | 16 | 13 | 3.3 |
| 20 | 0.40 | 0.13 | 2.5 | 4.0 | 12 | 12 | 280 | 268 | 298 | 13 | 12 | 3.3 |
| 21 | 0.94 | 0.12 | 3.0 | 4.0 | 10 | 14 | 320 | 354 | 258 | 12 | 13 | 3.3 |
| 22 | 0.09 | 0.20 | 3.0 | 3.5 | 10 | 17 | 319 | 674 | 254 | 10 | 13 | 3.5 |
| 23 | 0.09 | 0.20 | 2.8 | 3.5 | 8.0 | 18 | 282 | 647 | 226 | 13 | 13 | 3.7 |
| 24 | 0.12 | 0.20 | 2.8 | 3.5 | 7.0 | 15 | 209 | 500 | 201 | 18 | 21 | 3.1 |
| 25 | 0.13 | 0.20 | 3.0 | 3.5 | 7.0 | 13 | 168 | 366 | 181 | 12 | 22 | 2.9 |
| 26 | 0.12 | 1.0 | 3.5 | 4.0 | 7.0 | 10 | 174 | 319 | 178 | 9.7 | 13 | 2.9 |
| 27 | 0.12 | 2.0 | 3.5 | 4.5 | 8.0 | 12 | 185 | 304 | 171 | 9.4 | 10 | 2.9 |
| 28 | 0.09 | 2.0 | 3.0 | 4.5 | 8.0 | 14 | 209 | 319 | 151 | 10 | 10 | 3.5 |
| 29 | 0.03 | 2.0 | 2.5 | 4.5 | 8.5 | 14 | 235 | 384 | 126 | 14 | 11 | 3.3 |
| 30 | 0.11 | 2.0 | 2.5 | 4.5 | --- | 13 | 230 | 453 | 110 | 15 | 10 | 2.9 |
| 31 | 0.04 | --- | 2.5 | 3.5 | --- | 13 | --- | 468 | --- | 15 | 10 | --- |
| TOTAL | 8.93 | 21.95 | 84.1 | 117.4 | 173.0 | 350.0 | 4176 | 8515 | 10633 | 848.1 | 437 | 323.0 |
| MEAN | 0.29 | 0.73 | 2.71 | 3.79 | 5.97 | 11.3 | 139 | 275 | 354 | 27.4 | 14.1 | 10.8 |
| AC-FT | 18 | 44 | 167 | 233 | 343 | 694 | 8280 | 16890 | 21090 | 1680 | 867 | 641 |
| MAX | 0.94 | 2.0 | 3.5 | 5.5 | 12 | 18 | 320 | 674 | 580 | 113 | 30 | 86 |
| MIN | 0.02 | 0.09 | 2.0 | 2.5 | 3.0 | 8.5 | 12 | 126 | 110 | 9.4 | 10 | 2.9 |

CAL YR 1979 TOTAL 26907.21 MEAN 73.7 MAX 856 MIN 0.02 AC-FT 53370
WTR YR 1980 TOTAL 25687.48 MEAN 70.2 MAX 674 MIN 0.02 AC-FT 50950

MAX DISCH 940 CFS AT 2200 22-MAY-1980 GH 4.30 FT. SHIFT -0.20 FT. MAX GH 4.30 FT. AT 2200 22-MAY-1980



SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO (1981)

LOCATION.--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., NMPM, Montezuma County.

DRAINAGE AREA.--72.6 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

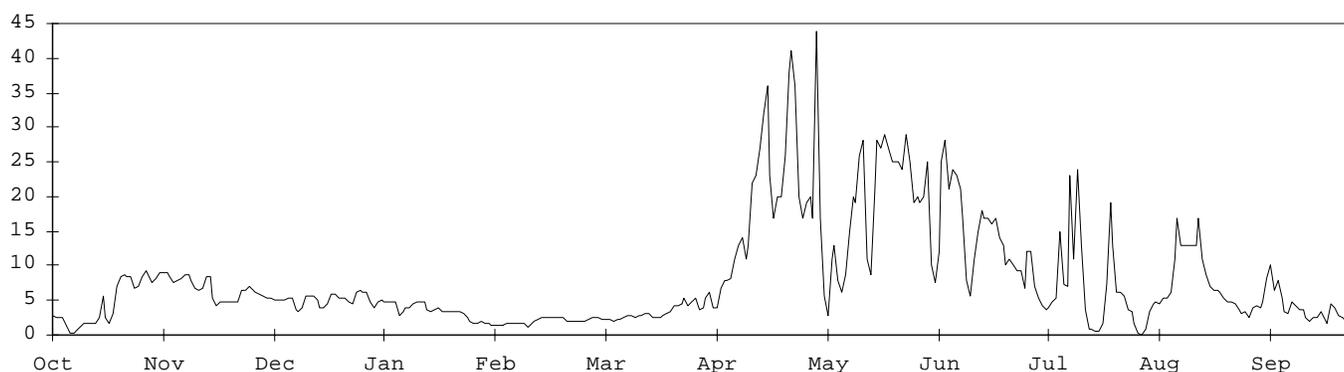
RATING TABLE.--MANMANCO03 USED FROM 01-OCT-1980 TO 30-SEP-1981

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|-------|-------|-------|------|------|-------|-------|-------|--------|--------|-------|
| 1 | 2.9 | 9.1 | 5.4 | 5.2 | 1.4 | 2.5 | 4.0 | 20 | 19 | 12 | 0.26 | 2.4 |
| 2 | 2.6 | 9.1 | 5.2 | 4.9 | 1.4 | 2.5 | 5.4 | 17 | 20 | 12 | 0.0 | 4.0 |
| 3 | 2.6 | 8.5 | 5.2 | 4.9 | 1.4 | 2.5 | 6.2 | 44 | 25 | 7.0 | 0.94 | 4.2 |
| 4 | 2.4 | 7.6 | 5.2 | 4.9 | 1.5 | 2.3 | 4.0 | 17 | 10 | 5.4 | 3.3 | 4.0 |
| 5 | 1.3 | 7.9 | 5.2 | 4.9 | 1.8 | 2.3 | 4.0 | 5.7 | 7.6 | 4.2 | 4.4 | 4.9 |
| 6 | 0.26 | 8.2 | 5.4 | 2.9 | 1.8 | 2.3 | 6.7 | 2.9 | 12 | 3.7 | 4.7 | 8.2 |
| 7 | 0.26 | 8.8 | 5.4 | 3.5 | 1.8 | 2.0 | 7.9 | 11 | 25 | 4.0 | 4.4 | 10 |
| 8 | 0.76 | 8.8 | 3.7 | 4.0 | 1.8 | 2.2 | 7.9 | 13 | 28 | 4.7 | 5.4 | 6.5 |
| 9 | 1.5 | 7.9 | 3.5 | 3.8 | 1.8 | 2.2 | 8.2 | 7.9 | 21 | 5.4 | 5.4 | 7.9 |
| 10 | 1.7 | 6.7 | 4.0 | 4.4 | 1.6 | 2.4 | 11 | 6.2 | 24 | 15 | 6.2 | 5.4 |
| 11 | 1.7 | 6.5 | 5.5 | 4.9 | 1.2 | 2.9 | 13 | 8.8 | 23 | 7.3 | 11 | 3.3 |
| 12 | 1.7 | 6.7 | 5.5 | 4.9 | 1.6 | 2.9 | 14 | 15 | 21 | 7.0 | 17 | 3.1 |
| 13 | 1.7 | 8.5 | 5.7 | 4.7 | 2.0 | 2.6 | 11 | 20 | 17 | 23 | 13 | 4.9 |
| 14 | 2.6 | 8.5 | 5.0 | 3.7 | 2.2 | 2.9 | 13 | 19 | 7.9 | 11 | 13 | 4.2 |
| 15 | 5.7 | 5.4 | 4.0 | 3.5 | 2.4 | 2.9 | 22 | 26 | 5.7 | 24 | 13 | 3.7 |
| 16 | 2.4 | 4.2 | 4.0 | 3.7 | 2.5 | 3.1 | 23 | 28 | 11 | 13 | 13 | 3.7 |
| 17 | 1.8 | 4.7 | 4.4 | 4.0 | 2.5 | 3.1 | 27 | 11 | 15 | 3.7 | 13 | 2.6 |
| 18 | 3.1 | 4.7 | 6.0 | 3.5 | 2.5 | 2.4 | 32 | 8.8 | 18 | 0.94 | 17 | 2.0 |
| 19 | 7.0 | 4.7 | 6.0 | 3.5 | 2.5 | 2.4 | 36 | 21 | 17 | 0.76 | 11 | 2.4 |
| 20 | 8.5 | 4.9 | 5.4 | 3.5 | 2.5 | 2.6 | 23 | 28 | 17 | 0.58 | 8.8 | 2.6 |
| 21 | 8.8 | 4.7 | 5.4 | 3.5 | 2.5 | 2.9 | 17 | 27 | 16 | 0.58 | 7.0 | 3.3 |
| 22 | 8.5 | 4.9 | 5.4 | 3.5 | 2.0 | 3.1 | 20 | 29 | 17 | 1.8 | 6.5 | 2.2 |
| 23 | 8.5 | 6.5 | 4.7 | 3.5 | 2.0 | 3.5 | 20 | 27 | 14 | 7.3 | 6.5 | 1.8 |
| 24 | 6.7 | 6.5 | 4.4 | 3.0 | 2.0 | 4.2 | 26 | 25 | 13 | 19 | 6.2 | 4.4 |
| 25 | 7.0 | 7.0 | 6.2 | 2.5 | 2.0 | 4.2 | 38 | 25 | 10 | 13 | 5.4 | 4.0 |
| 26 | 8.5 | 6.5 | 6.5 | 2.0 | 2.0 | 4.4 | 41 | 25 | 11 | 6.2 | 4.7 | 2.9 |
| 27 | 9.4 | 6.2 | 6.2 | 1.6 | 2.0 | 5.4 | 36 | 24 | 10 | 6.2 | 4.9 | 2.4 |
| 28 | 8.8 | 5.8 | 6.2 | 1.6 | 2.2 | 4.2 | 20 | 29 | 9.4 | 5.7 | 4.4 | 2.0 |
| 29 | 7.6 | 5.6 | 4.9 | 2.0 | --- | 4.7 | 17 | 25 | 9.4 | 3.7 | 3.7 | 1.5 |
| 30 | 8.2 | 5.4 | 4.0 | 1.8 | --- | 5.4 | 19 | 19 | 6.7 | 3.5 | 3.1 | 1.1 |
| 31 | 9.1 | --- | 4.9 | 1.6 | --- | 3.7 | --- | 20 | --- | 1.7 | 3.3 | --- |
| TOTAL | 143.58 | 200.5 | 158.5 | 109.9 | 54.9 | 96.7 | 533.3 | 605.3 | 460.7 | 233.36 | 220.50 | 115.6 |
| MEAN | 4.63 | 6.68 | 5.11 | 3.55 | 1.96 | 3.12 | 17.8 | 19.5 | 15.4 | 7.53 | 7.11 | 3.85 |
| AC-FT | 285 | 398 | 314 | 218 | 109 | 192 | 1060 | 1200 | 914 | 463 | 437 | 229 |
| MAX | 9.4 | 9.1 | 6.5 | 5.2 | 2.5 | 5.4 | 41 | 44 | 28 | 24 | 17 | 10 |
| MIN | 0.26 | 4.2 | 3.5 | 1.6 | 1.2 | 2.0 | 4.0 | 2.9 | 5.7 | 0.58 | 0.0 | 1.1 |

CAL YR 1980 TOTAL 26075.08 MEAN 71.2 MAX 674 MIN 0.26 AC-FT 51720
WTR YR 1981 TOTAL 2932.84 MEAN 8.04 MAX 44 MIN 0.00 AC-FT 5820

MAX DISCH 135 CFS AT 1900 15-JUL-1981 GH 3.21 FT. SHIFT -0.27 FT. MAX GH 3.21 FT. AT 1900 15-JUL-1981



SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO (1982)

LOCATION.--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., NMPM, Montezuma County.

DRAINAGE AREA.--72.6 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

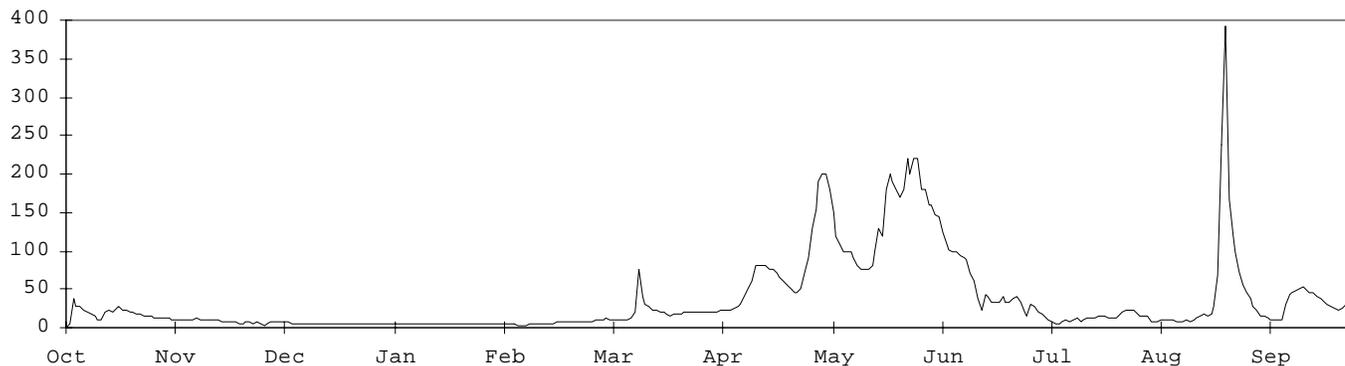
RATING TABLE.--MANMANCO04 USED FROM 01-OCT-1981 TO 30-SEP-1982

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------|--------|-------|
| 1 | 1.2 | 11 | 7.0 | 5.5 | 4.0 | 10 | 20 | 154 | 180 | 31 | 15 | 38 |
| 2 | 4.7 | 11 | 7.0 | 5.0 | 4.0 | 11 | 20 | 191 | 160 | 27 | 16 | 29 |
| 3 | 39 | 11 | 6.5 | 4.5 | 4.5 | 12 | 20 | 200 | 160 | 19 | 14 | 24 |
| 4 | 28 | 10 | 6.0 | 4.0 | 4.0 | 9.6 | 22 | 200 | 147 | 17 | 7.5 | 15 |
| 5 | 27 | 10 | 5.5 | 4.5 | 4.0 | 9.6 | 24 | 180 | 144 | 14 | 6.7 | 14 |
| 6 | 24 | 9.6 | 5.0 | 5.0 | 5.0 | 10 | 24 | 150 | 123 | 9.6 | 6.7 | 12 |
| 7 | 21 | 12 | 5.0 | 4.5 | 3.0 | 10 | 24 | 120 | 108 | 8.0 | 11 | 9.2 |
| 8 | 18 | 11 | 5.0 | 4.0 | 3.5 | 11 | 26 | 110 | 101 | 5.1 | 11 | 11 |
| 9 | 14 | 10 | 5.5 | 4.5 | 4.0 | 11 | 28 | 100 | 99 | 4.8 | 9.2 | 11 |
| 10 | 11 | 9.2 | 5.5 | 4.5 | 5.0 | 12 | 30 | 100 | 99 | 7.5 | 9.6 | 9.6 |
| 11 | 11 | 9.6 | 6.0 | 5.0 | 5.0 | 20 | 40 | 100 | 93 | 9.6 | 8.2 | 30 |
| 12 | 19 | 9.2 | 6.0 | 5.5 | 4.5 | 76 | 50 | 90 | 90 | 7.5 | 6.6 | 43 |
| 13 | 22 | 9.2 | 6.0 | 5.0 | 5.0 | 40 | 60 | 80 | 88 | 9.6 | 8.8 | 45 |
| 14 | 20 | 8.8 | 5.5 | 5.0 | 5.5 | 30 | 80 | 75 | 70 | 12 | 9.2 | 48 |
| 15 | 22 | 8.4 | 6.0 | 5.0 | 5.5 | 27 | 82 | 75 | 61 | 8.8 | 7.5 | 50 |
| 16 | 27 | 8.4 | 6.0 | 5.5 | 6.0 | 22 | 82 | 75 | 38 | 10 | 11 | 54 |
| 17 | 23 | 7.1 | 6.0 | 6.0 | 7.0 | 22 | 80 | 80 | 24 | 13 | 12 | 48 |
| 18 | 22 | 7.5 | 6.0 | 5.5 | 7.0 | 21 | 75 | 100 | 44 | 12 | 15 | 45 |
| 19 | 21 | 4.7 | 6.0 | 5.0 | 7.0 | 20 | 75 | 130 | 41 | 12 | 18 | 45 |
| 20 | 19 | 4.7 | 6.0 | 5.0 | 7.0 | 18 | 70 | 120 | 34 | 14 | 16 | 41 |
| 21 | 18 | 6.7 | 6.0 | 5.5 | 8.0 | 16 | 65 | 180 | 32 | 15 | 18 | 37 |
| 22 | 18 | 7.1 | 6.0 | 5.5 | 8.0 | 17 | 60 | 200 | 34 | 15 | 29 | 33 |
| 23 | 16 | 6.3 | 5.5 | 5.5 | 8.0 | 18 | 55 | 190 | 40 | 13 | 68 | 30 |
| 24 | 15 | 6.7 | 5.0 | 5.0 | 8.0 | 18 | 50 | 180 | 34 | 13 | 239 | 27 |
| 25 | 14 | 6.3 | 5.0 | 5.0 | 8.0 | 19 | 45 | 170 | 34 | 13 | 392 | 25 |
| 26 | 13 | 3.7 | 5.0 | 5.0 | 8.0 | 20 | 45 | 180 | 37 | 14 | 168 | 24 |
| 27 | 12 | 6.3 | 5.0 | 4.5 | 8.0 | 20 | 50 | 220 | 41 | 19 | 120 | 25 |
| 28 | 12 | 7.0 | 4.5 | 4.0 | 9.0 | 20 | 70 | 200 | 34 | 24 | 99 | 30 |
| 29 | 13 | 7.5 | 5.0 | 4.0 | --- | 20 | 90 | 220 | 20 | 24 | 74 | 28 |
| 30 | 13 | 7.5 | 5.0 | 4.0 | --- | 20 | 130 | 220 | 16 | 23 | 55 | 29 |
| 31 | 11 | --- | 5.5 | 4.0 | --- | 20 | --- | 180 | --- | 18 | 45 | --- |
| TOTAL | 548.9 | 247.5 | 175.0 | 150.5 | 164.0 | 610.2 | 1592 | 4570 | 2226 | 442.5 | 1526.0 | 909.8 |
| MEAN | 17.7 | 8.25 | 5.65 | 4.85 | 5.86 | 19.7 | 53.1 | 147 | 74.2 | 14.3 | 49.2 | 30.3 |
| AC-FT | 1090 | 491 | 347 | 299 | 325 | 1210 | 3160 | 9060 | 4420 | 878 | 3030 | 1800 |
| MAX | 39 | 12 | 7.0 | 6.0 | 9.0 | 76 | 130 | 220 | 180 | 31 | 392 | 54 |
| MIN | 1.2 | 3.7 | 4.5 | 4.0 | 3.0 | 9.6 | 20 | 75 | 16 | 4.8 | 6.6 | 9.2 |

CAL YR 1981 TOTAL 3401.66 MEAN 9.32 MAX 44 MIN 0.00 AC-FT 6750
WTR YR 1982 TOTAL 13162.4 MEAN 36.1 MAX 392 MIN 1.2 AC-FT 26110

MAX DISCH 580 CFS AT 0330 25-AUG-1982 GH 3.94 FT. SHIFT 0.01 FT. MAX GH 3.94 FT. AT 0330 25-AUG-1982



SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO (1983)

LOCATION.--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., NMPM, Montezuma County.

DRAINAGE AREA.--72.6 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

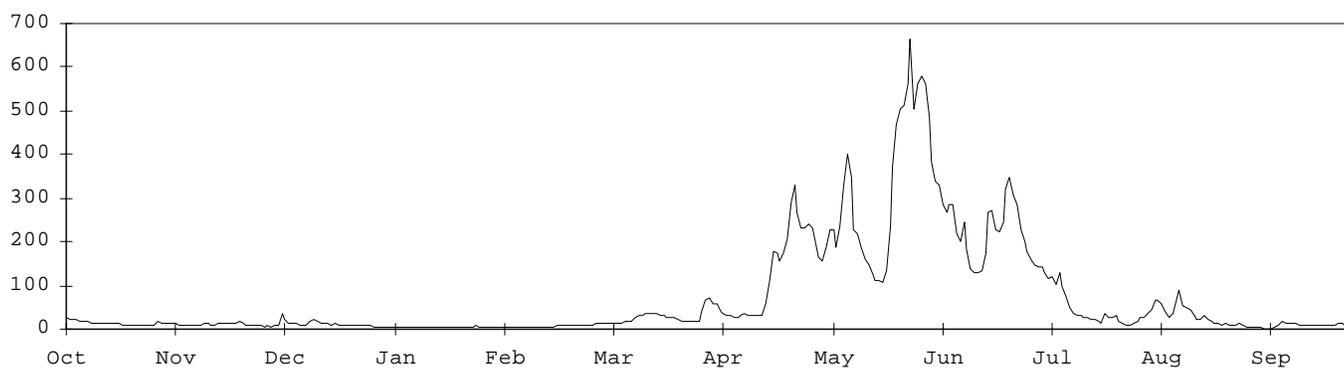
RATING TABLE.--MANMANCO04 USED FROM 01-OCT-1982 TO 30-SEP-1983

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|------|------|-------|-------|--------|-------|-------|
| 1 | 28 | 12 | 37 | 5.5 | 6.0 | 12 | 72 | 187 | 560 | 161 | 27 | 2.8 |
| 2 | 24 | 9.2 | 22 | 6.0 | 6.0 | 12 | 60 | 165 | 485 | 147 | 27 | 2.5 |
| 3 | 23 | 7.5 | 12 | 5.5 | 6.0 | 14 | 58 | 154 | 384 | 141 | 34 | 2.5 |
| 4 | 21 | 8.8 | 12 | 6.0 | 6.5 | 12 | 41 | 187 | 340 | 141 | 44 | 3.2 |
| 5 | 20 | 9.2 | 12 | 6.0 | 6.5 | 12 | 36 | 226 | 328 | 128 | 67 | 1.1 |
| 6 | 19 | 8.4 | 11 | 6.0 | 6.5 | 12 | 32 | 226 | 284 | 115 | 69 | 0.0 |
| 7 | 19 | 8.0 | 10 | 6.0 | 6.5 | 14 | 29 | 187 | 268 | 120 | 58 | 0.0 |
| 8 | 15 | 8.4 | 11 | 5.5 | 6.5 | 16 | 25 | 236 | 284 | 103 | 40 | 2.4 |
| 9 | 15 | 15 | 16 | 5.5 | 6.0 | 18 | 27 | 328 | 284 | 128 | 28 | 10 |
| 10 | 15 | 12 | 21 | 5.5 | 6.0 | 20 | 33 | 400 | 218 | 99 | 36 | 16 |
| 11 | 15 | 11 | 18 | 5.5 | 6.0 | 26 | 36 | 347 | 200 | 75 | 73 | 15 |
| 12 | 15 | 8.8 | 15 | 5.5 | 6.0 | 30 | 32 | 226 | 246 | 48 | 88 | 15 |
| 13 | 15 | 15 | 13 | 5.0 | 6.0 | 32 | 31 | 218 | 184 | 36 | 55 | 14 |
| 14 | 14 | 13 | 14 | 5.0 | 6.0 | 34 | 29 | 187 | 138 | 29 | 48 | 12 |
| 15 | 13 | 14 | 11 | 5.0 | 6.0 | 35 | 31 | 161 | 131 | 31 | 43 | 11 |
| 16 | 12 | 15 | 12 | 5.0 | 6.5 | 34 | 33 | 147 | 128 | 28 | 31 | 10 |
| 17 | 11 | 14 | 11 | 5.0 | 7.0 | 34 | 56 | 125 | 135 | 25 | 24 | 9.2 |
| 18 | 11 | 14 | 10 | 5.5 | 7.0 | 30 | 110 | 113 | 172 | 24 | 24 | 9.2 |
| 19 | 10 | 16 | 9.9 | 5.5 | 7.0 | 29 | 179 | 111 | 268 | 21 | 32 | 10 |
| 20 | 11 | 14 | 10 | 5.5 | 7.0 | 25 | 176 | 106 | 273 | 18 | 22 | 8.0 |
| 21 | 9.6 | 11 | 9.2 | 6.0 | 8.0 | 25 | 154 | 135 | 226 | 15 | 18 | 8.5 |
| 22 | 9.2 | 8.4 | 8.4 | 6.0 | 9.0 | 25 | 174 | 235 | 222 | 34 | 14 | 8.5 |
| 23 | 8.4 | 8.4 | 8.0 | 6.5 | 10 | 22 | 204 | 372 | 246 | 28 | 12 | 8.8 |
| 24 | 8.4 | 7.6 | 8.0 | 6.5 | 10 | 20 | 289 | 467 | 321 | 26 | 11 | 7.1 |
| 25 | 9.2 | 7.1 | 8.0 | 7.0 | 10 | 20 | 328 | 503 | 347 | 30 | 13 | 7.1 |
| 26 | 9.6 | 6.4 | 6.9 | 6.5 | 10 | 19 | 268 | 512 | 308 | 20 | 8.8 | 13 |
| 27 | 19 | 7.5 | 6.0 | 6.5 | 10 | 20 | 231 | 560 | 284 | 15 | 8.8 | 12 |
| 28 | 14 | 6.0 | 4.7 | 6.5 | 12 | 20 | 231 | 666 | 226 | 8.8 | 8.9 | 5.3 |
| 29 | 12 | 6.7 | 5.0 | 6.0 | --- | 20 | 240 | 503 | 200 | 6.7 | 15 | 5.6 |
| 30 | 13 | 8.9 | 5.0 | 6.0 | --- | 39 | 231 | 560 | 180 | 13 | 9.9 | 14 |
| 31 | 13 | --- | 5.5 | 6.0 | --- | 69 | --- | 580 | --- | 20 | 5.0 | --- |
| TOTAL | 451.4 | 311.3 | 362.6 | 179.5 | 206.0 | 750 | 3476 | 9130 | 7870 | 1834.5 | 994.4 | 243.8 |
| MEAN | 14.6 | 10.4 | 11.7 | 5.79 | 7.36 | 24.2 | 116 | 295 | 262 | 59.2 | 32.1 | 8.13 |
| AC-FT | 895 | 617 | 719 | 356 | 409 | 1490 | 6890 | 18110 | 15610 | 3640 | 1970 | 484 |
| MAX | 28 | 16 | 37 | 7.0 | 12 | 69 | 328 | 666 | 560 | 161 | 88 | 16 |
| MIN | 8.4 | 6.0 | 4.7 | 5.0 | 6.0 | 12 | 25 | 106 | 128 | 6.7 | 5.0 | 0.0 |

CAL YR 1982 TOTAL 13316.3 MEAN 36.5 MAX 392 MIN 3.0 AC-FT 26410
WTR YR 1983 TOTAL 25809.5 MEAN 70.7 MAX 666 MIN 0.00 AC-FT 51190

MAX DISCH 960 CFS AT 2245 27-MAY-1983 GH 4.23 FT. SHIFT 0.01 FT. MAX GH 4.25 FT. AT 2200 30-MAY-1983



SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO (1984)

LOCATION.--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., NMPM, Montezuma County.

DRAINAGE AREA.--72.6 mi².

GAGE.--Water-stage recorder with satellite telemetry. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

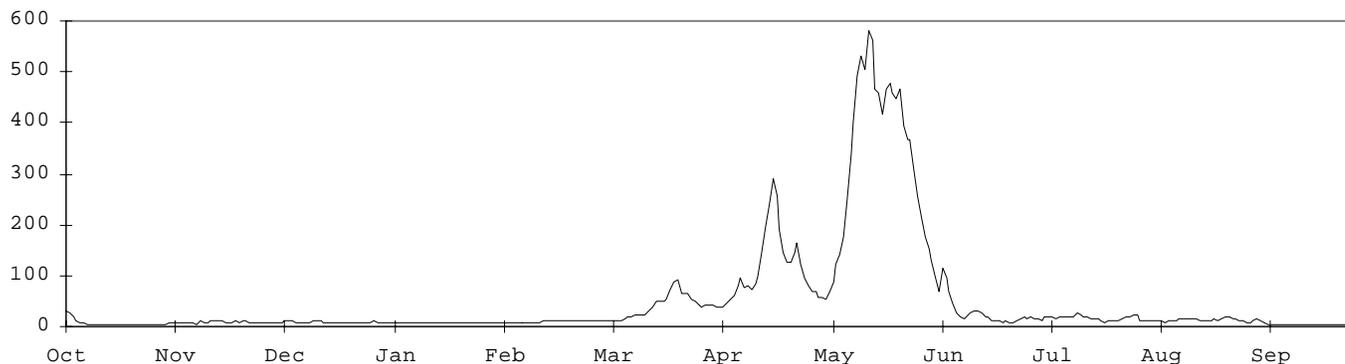
RATING TABLE.--MANMANCO04 USED FROM 01-OCT-1983 TO 30-SEP-1984

DISCHARGE, IN CFS, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|------|------|-------|--------|-------|-------|-------|
| 1 | 30 | 8.4 | 9.5 | 8.0 | 8.0 | 12 | 43 | 56 | 154 | 17 | 11 | 11 |
| 2 | 26 | 9.2 | 10 | 8.0 | 8.0 | 12 | 38 | 56 | 131 | 15 | 11 | 14 |
| 3 | 20 | 8.4 | 10 | 9.0 | 8.0 | 12 | 37 | 55 | 101 | 13 | 10 | 11 |
| 4 | 12 | 7.1 | 10 | 8.0 | 8.0 | 12 | 38 | 67 | 70 | 19 | 11 | 7.3 |
| 5 | 8.0 | 6.7 | 9.5 | 8.0 | 8.0 | 12 | 45 | 87 | 114 | 18 | 10 | 5.6 |
| 6 | 6.0 | 6.3 | 9.0 | 8.0 | 8.5 | 12 | 52 | 123 | 96 | 18 | 12 | 4.7 |
| 7 | 5.0 | 5.6 | 9.0 | 9.0 | 8.5 | 14 | 63 | 141 | 67 | 16 | 9.2 | 2.5 |
| 8 | 4.7 | 11 | 9.0 | 9.0 | 8.5 | 18 | 80 | 176 | 46 | 18 | 10 | 4.0 |
| 9 | 4.7 | 7.5 | 9.5 | 9.0 | 8.5 | 20 | 95 | 251 | 27 | 19 | 10 | 2.2 |
| 10 | 4.0 | 9.2 | 10 | 9.0 | 8.5 | 24 | 78 | 340 | 18 | 20 | 11 | 2.8 |
| 11 | 4.4 | 9.6 | 10 | 8.5 | 8.5 | 24 | 80 | 400 | 17 | 19 | 14 | 4.0 |
| 12 | 4.4 | 9.6 | 9.6 | 8.5 | 9.0 | 24 | 74 | 494 | 21 | 18 | 14 | 5.0 |
| 13 | 4.4 | 9.6 | 9.0 | 8.0 | 10 | 24 | 84 | 530 | 26 | 25 | 14 | 3.4 |
| 14 | 4.0 | 10 | 9.0 | 9.0 | 12 | 30 | 101 | 503 | 32 | 23 | 14 | 3.4 |
| 15 | 3.7 | 7.5 | 8.8 | 8.0 | 11 | 40 | 145 | 580 | 31 | 21 | 14 | 3.4 |
| 16 | 3.4 | 8.8 | 8.5 | 7.5 | 10 | 49 | 195 | 560 | 27 | 20 | 14 | 5.3 |
| 17 | 2.5 | 9.2 | 8.0 | 7.5 | 11 | 50 | 240 | 467 | 20 | 16 | 12 | 5.6 |
| 18 | 3.7 | 12 | 8.0 | 6.0 | 11 | 49 | 290 | 458 | 19 | 14 | 12 | 5.0 |
| 19 | 4.0 | 9.2 | 8.0 | 7.0 | 11 | 55 | 256 | 416 | 12 | 14 | 10 | 4.7 |
| 20 | 3.4 | 9.6 | 8.5 | 8.0 | 12 | 73 | 191 | 467 | 11 | 11 | 10 | 4.0 |
| 21 | 4.4 | 10 | 8.0 | 8.0 | 12 | 87 | 147 | 476 | 10 | 9.2 | 14 | 4.4 |
| 22 | 5.0 | 9.2 | 7.5 | 8.0 | 12 | 90 | 125 | 458 | 8.8 | 10 | 11 | 3.4 |
| 23 | 5.0 | 8.0 | 8.0 | 8.0 | 12 | 65 | 125 | 449 | 9.8 | 9.6 | 14 | 3.1 |
| 24 | 5.3 | 8.0 | 7.5 | 8.5 | 12 | 65 | 147 | 467 | 6.9 | 9.6 | 18 | 5.0 |
| 25 | 5.0 | 8.0 | 8.0 | 8.5 | 11 | 65 | 165 | 392 | 7.1 | 11 | 18 | 2.5 |
| 26 | 5.0 | 8.0 | 9.0 | 9.0 | 12 | 52 | 123 | 368 | 11 | 17 | 17 | 2.2 |
| 27 | 4.7 | 8.0 | 10 | 9.0 | 12 | 49 | 95 | 368 | 15 | 20 | 14 | 4.0 |
| 28 | 4.7 | 8.0 | 9.0 | 9.0 | 12 | 41 | 80 | 308 | 18 | 20 | 11 | 2.8 |
| 29 | 4.7 | 8.0 | 8.5 | 9.0 | 12 | 40 | 70 | 256 | 15 | 22 | 9.6 | 1.7 |
| 30 | 6.3 | 8.5 | 8.5 | 8.5 | --- | 41 | 67 | 213 | 20 | 22 | 9.2 | 1.2 |
| 31 | 7.5 | --- | 8.0 | 8.5 | --- | 42 | --- | 176 | --- | 12 | 8.0 | --- |
| TOTAL | 215.9 | 258.2 | 274.9 | 257.0 | 295.0 | 1203 | 3368 | 10158 | 1161.6 | 516.4 | 377.0 | 139.2 |
| MEAN | 6.96 | 8.61 | 8.87 | 8.29 | 10.2 | 38.8 | 112 | 328 | 38.7 | 16.7 | 12.2 | 4.64 |
| AC-FT | 428 | 512 | 545 | 510 | 585 | 2390 | 6680 | 20150 | 2300 | 1020 | 748 | 276 |
| MAX | 30 | 12 | 10 | 9.0 | 12 | 90 | 290 | 580 | 154 | 25 | 18 | 14 |
| MIN | 2.5 | 5.6 | 7.5 | 6.0 | 8.0 | 12 | 37 | 55 | 6.9 | 9.2 | 8.0 | 1.2 |

CAL YR 1983 TOTAL 25433.2 MEAN 69.7 MAX 666 MIN 0.00 AC-FT 50450
WTR YR 1984 TOTAL 18224.2 MEAN 49.8 MAX 580 MIN 1.2 AC-FT 36150

MAX DISCH 840 CFS AT 2345 15-MAY-1984 GH 4.05 FT. SHIFT 0.11 FT. MAX GH 4.05 FT. AT 2345 15-MAY-1984



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1980-90 Water Year Stream Flow Data
on PC compatible diskettes and CD

Mean daily flow values for gaging stations are available on a DOS compatible diskette or CD upon request from this Office. Each station's data are in a file named by an eight-character station identification code, followed by the filename extension ".H??", where the ?? represents the year being searched. For example, the values for "Ewing Ditch, water year 1985", are in the file "EWIDITCO.H85". A list of the eight character codes follows.

The files contain ASCII text information. There are two columns. The first column is the number of the day of the water year, and the second is that day's mean flow. October 1, is day number 1; September 30, is day 365, except in leap years when there would be 366 days. The first line of some "H" files contain information on the instantaneous peak flow for the water year.

Station Identification Codes
for Data on Diskette and CD

DIV II

| CODE | NAME |
|----------|---|
| ARXSALCO | ARKANSAS RIVER AT SALIDA |
| CATCANCO | CATLIN CANAL AT CATLIN DAM, NEAR FOWLER |
| CCBCCRCO | CLEAR CREEK BELOW CLEAR CREEK RESERVOIR |
| COLDITCO | COLUMBINE DITCH |
| COCRBVCO | COTTONWOOD CREEK NEAR BUENA VISTA |
| EWIDITCO | EWING DITCH |
| LAKBTLCO | LAKE CREEK BELOW TWIN LAKES RESERVOIR |
| LARDITCO | LARKSPUR DITCH AT MARSHALL PASS |
| LFCBSLCO | LAKE FORK CREEK BELOW SUGAR LOAF DAM NR. LEADVILLE |
| NMCHIGCO | NINEMILE CANAL AT NINEMILE DAM NEAR HIGBEE |
| TWITUNCO | TWIN LAKES TUNNEL |
| WURDITCO | WURTZ DITCH NEAR TENNESSEE PASS |
| WUREXDCO | WURTZ EXTENSION DITCH NEAR TENNESSEE PASS |
| LKCTURCO | LAKE FORK CREEK ABOVE TURQUOISE RES. (AKA SUGAR LOAF DAM) |
| HURREDCO | HUERFANO RIVER AT MANZANARES CROSSING, NEAR REDWING |
| CRBRLVCO | CUCHARAS RIVER AT BOYD RANCH, NEAR LA VETA |
| LUARMOCO | LUNING ARROYO NEAR MODEL |

DIV V

| CODE | NAME |
|-----------|--|
| CHAGULCO | CHAPMAN GULCH NEAR NAST |
| FRYIVLCO | FRYINGPAN RIVER NEAR IVANHOE LAKE |
| FRYMERCO | FRYINGPAN RIVER AT MEREDITH |
| FRYNFNCO | NORTH FORK FRYING PAN RIVER NEAR NORRIE |
| FRYSFUCO | FRYINGPAN RIVER, SOUTH FORK AT UPPER STATION NEAR NORRIE |
| IVCRNACO | IVANHOE CREEK NEAR NAST |
| RFCMERCOC | ROCKY FORK CREEK NEAR MEREDITH |

DIV VII

| CODE | NAME |
|----------|--|
| ANIHOWCO | ANIMAS RIVER NEAR HOWARDSVILLE |
| CHEREDCO | CHERRY CREEK AT THE MOUTH NEAR RED MESA |
| FLOALECO | FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO |
| FLOBLECO | FLORIDA RIVER BELOW LEMON RESERVOIR |
| LONREDCO | LONG HOLLOW AT THE MOUTH NEAR RED MESA |
| MANMANCO | MANCOS RIVER NEAR MANCOS |
| RIOMOUCO | RIO BLANCO AT MOUTH NEAR TRUJILLO |