# Stream: Armstrong Creek

## Executive Summary

Water Division: 6
Water District: 44
CDOW#: 19035
CWCB ID#: 06/06/A-013

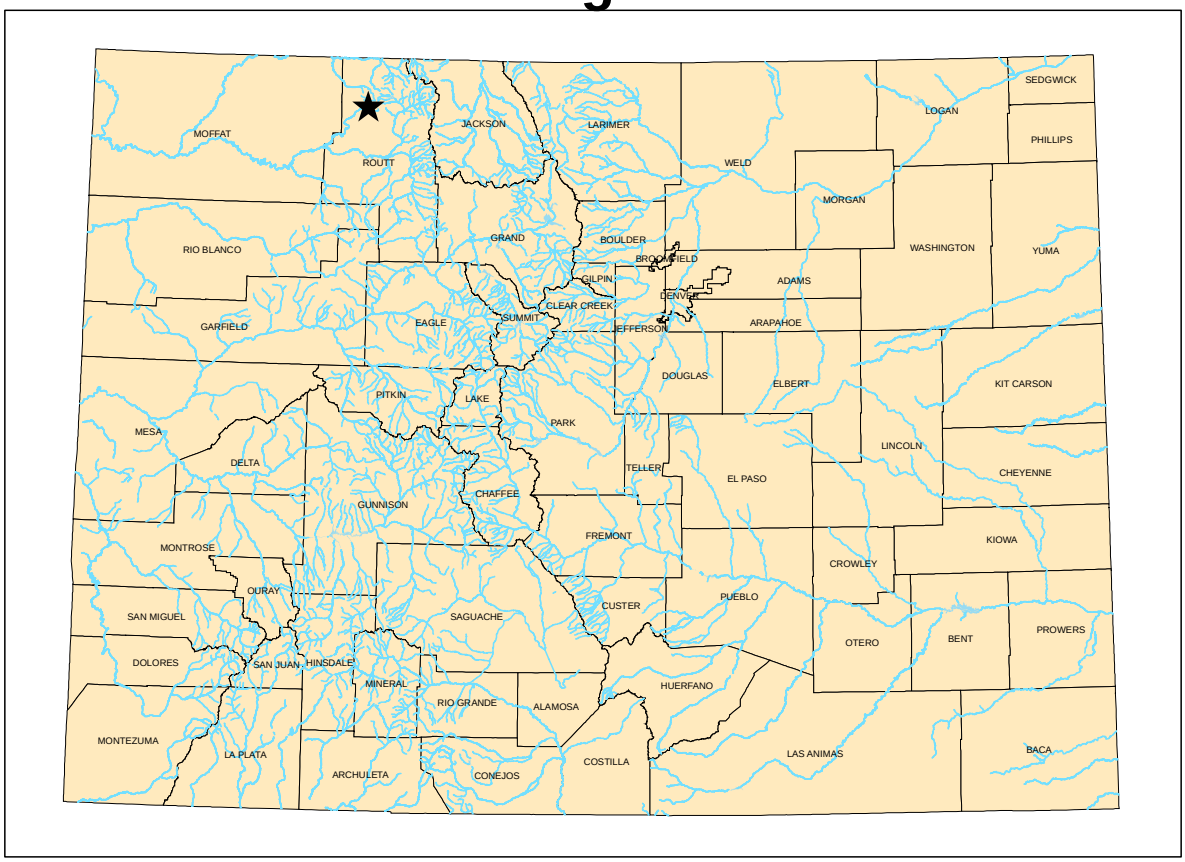
## Segment: Headwaters to Elkhead Creek

**Upper Terminus: Headwaters**
Latitude: 40d45'43.66"N Longitude: 107d04'20.27"W
UTM North: 4514417.229 UTM East: 325085.746
SE1/4, SE1/4, Sctn6, T9N, R86W, 6th PM
736 ft W of the E Section Line, 204 ft, N of the S Section Line

**Lower Terminus: Elkhead Creek**
Latitude: 40d44'43.11"N Longitude: 107d08'11.65"W
UTM North: 4512680.197 UTM East: 319614.994
NE1/4, NW1/4, Sctn15, T9N, R87W, 6th PM
2135 ft E of the W Section Line, 671 ft, S of the N Section Line

Counties: Routt
Length: 4.63 miles
USGS Quad(s): Meaden Peak, Pilot Knob, Quaker Mountain
ISF Appropriation: 1.0 cfs (04/01 – 07/15)
0.25 cfs (07/16 – 03/31)

# Armstrong Creek




**Summary**

The information contained in this report and the associated instream flow file folder forms the basis for the instream flow recommendation to be considered by the Board. It is staff's opinion that the information contained in this report is sufficient to support the findings required in Rule 5 i.

Colorado's Instream Flow Program was created in 1973 when the Colorado State Legislature recognized "the need to correlate the activities of mankind with some reasonable preservation of the natural environment" (see 37-92-102 (3) C.R.S.). The statute vests the CWCB with the exclusive authority to appropriate and acquire instream flow and natural lake level water rights. In order to encourage other entities to participate in Colorado's Instream Flow Program, the statute directs the CWCB to request instream flow recommendations from other state and federal agencies. The Colorado Division of Wildlife (CDOW) recommended this segment of Armstrong Creek to the CWCB for inclusion into the Instream Flow Program. Armstrong Creek is being considered for inclusion into the Instream Flow Program because it has a natural environment that can be preserved to a reasonable degree with an instream flow water right.

The CDOW is forwarding this stream flow recommendation to the CWCB to meet the State of Colorado's policy "… that the wildlife and their environment are to be protected, preserved,

enhanced, and managed for the use, benefit, and enjoyment of the people of this state and its visitors … and that, to carry out such program and policy, there shall be a continuous operation of planning, acquisition, and development of wildlife habitats and facilities for wildlife-related opportunities" C.R.S. 33-1-101 (1). The CDOW Strategic Plan states "Healthy aquatic environments are essential to maintain healthy and viable fisheries, and critical for self-sustaining populations. The Division desires to protect and enhance the quality and quantity of aquatic habitats."

Armstrong Creek is approximately 4.6 miles long. It begins on the west side of Meaden Peak at an elevation of approximately 9850 feet and terminates at the confluence with Elkhead Creek at an elevation of approximately 7900 feet. Of the 4.6 mile segment addressed by this report, approximately 100% of the segment, or 4.6 miles, is located on public lands. Armstrong Creek is located within Routt County. The total drainage area of the river is approximately 3.5 square miles. Armstrong Creek generally flows in a westerly direction.

The subject of this report is a segment of Armstrong Creek beginning at its headwaters and extending downstream to Elkhead Creek. The proposed segment is located northeast of the Town of Craig. The staff has received one recommendation for this segment from the CDOW. The recommendation for this segment is discussed below.

**Instream Flow Recommendation(s)**

The CDOW has recommended 1.0 cfs, summer, and 0.4 cfs, winter, based on their data collection efforts (see Table 1 and Appendix A). The modeling results from this survey effort are within the confidence interval produced by the R2CROSS model.

**Land Status Review**

| Upper Terminus | Lower Terminus | Total Length (miles) | Land Ownership | |
|---|---|---|---|---|
| | | | % Private | % Public |
| Headwaters | Elkhead Creek | 4.6 | 0 | 100 |

100% of the public lands are owned by the USFS.

**Biological and Field Survey Data**

As reported in the letter from CDOW to the CWCB "The DOW, in July of 2005, collected stream cross section information, natural environment data, and other data needed to quantify the instream flow needs for this reach of Armstrong Creek. Armstrong Creek is classified as a minor stream (between 4 to 9 feet wide) and fishery surveys indicate the stream environment of Armstrong Creek supports Colorado River cutthroat trout (*Salmo clarki pleuriticus*), Brook trout (*Salvelinus fontinalis*), Mountain sucker (*Catostomus platyrhynchus*), White sucker (*Catostomus commersoni*), Longnose sucker (*Catostomus catostomus*), Longnose dace (*Rhinichthys cataractae*), Speckled dace (*Rhinichthys osculus*) and Mottled sculpin (*Cottus bairdi*).

Colorado River cutthroat trout and Mountain sucker have been identified by the DOW and several other state and federal agencies as "species of greatest conservation need". DOW is involved in developing Conservation and Management Plans for these species. The intention of these plans is to increase populations and distributions of identified species, thereby assisting in

the long-term persistence of each species. The success of such plans could potentially curtail the need for federal listing of these species under the Endangered Species Act (ESA). These species are not currently federally listed" (See CDOW Fish Survey in Appendix B).

**Field Survey Data**

CDOW staff used the R2CROSS methodology to quantify the amount of water required to preserve the natural environment to a reasonable degree. The R2CROSS method requires that stream discharge and channel profile data be collected in a riffle stream habitat type. Riffles are most easily visualized, as the stream habitat types that would dry up first should streamflow cease. This type of hydraulic data collection consists of setting up a transect, surveying the stream channel geometry, and measuring the stream discharge. Appendix B contains copies of field data collected for this proposed segment.

**Biological Flow Recommendation**

The CWCB staff relied upon the biological expertise of the cooperating agencies to interpret output from the R2CROSS data collected to develop the initial, biologic instream flow recommendation. This initial recommendation is designed to address the unique biologic requirements of each stream without regard to water availability. Three instream flow hydraulic parameters, average depth, percent wetted perimeter, and average velocity are used to develop biologic instream flow recommendations. The CDOW has determined that maintaining these three hydraulic parameters at adequate levels across riffle habitat types, aquatic habitat in pools and runs will also be maintained for most life stages of fish and aquatic invertebrates (Nehring 1979; Espegren 1996).

For this segment of stream, one data set was collected with the results shown in Table 1 below. Table 1 shows who collected the data (Party), the date the data was collected, the measured discharge at the time of the survey (Q), the accuracy range of the predicted flows based on Manning's Equation (240% and 40% of Q), the summer flow recommendation based on meeting 3 of 3 hydraulic criteria and the winter flow recommendation based upon 2 of 3 hydraulic criteria.

Table 1: Data

| Party | Date | Q | 250%-40% | Summer (3/3) | Winter (2/3) |
|---|---|---|---|---|---|
| DOW | 07/26/2005 | 0.42 | 1.0 – 0.2 | 1.0 | 0.4 |

DOW = Division of Wildlife

**Biologic Flow Recommendation**

The summer flow recommendation, which met 3 of 3 criteria and is within the accuracy range of the R2CROSS model is 1.0 cfs (See Table 1). The winter flow recommendation, which met 2 of 3 criteria and is within the accuracy range of the R2CROSS model range is 0.4 cfs (See Table 1).

**Hydrologic Data**

After receiving the cooperating agency's biologic recommendation, the CWCB staff conducted an evaluation of the stream hydrology to determine if water was physically available for an instream flow appropriation. The hydrograph below was derived from data collected by the USGS stream gage for Elkhead Creek near Clark, CO (#09244500), which has a drainage area of

45.4 square miles (See Gage Summary in Appendix C). The total drainage area of this segment of the Armstrong Creek is approximately 3.54 square miles. The period of record for this gage was 1942 to 1973, the period of record used by staff in their analysis was 1942 - 1973, or 19 years of record. Table 2 below displays the estimated flow of Armstrong Creek at the gage, in terms of a percentage of exceedence.

Table 2: Estimated Stream Flow for Armstrong Creek

| Exceedence | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1%** | 0.50 | 0.39 | 1.44 | 31.19 | 48.36 | 26.99 | 2.71 | 0.91 | 1.01 | 0.86 | 0.78 | 0.59 |
| **5%** | 0.40 | 0.39 | 0.78 | 22.46 | 40.20 | 17.15 | 2.03 | 0.64 | 0.63 | 0.69 | 0.64 | 0.50 |
| **10%** | 0.34 | 0.34 | 0.60 | 14.04 | 35.82 | 15.28 | 1.72 | 0.54 | 0.44 | 0.62 | 0.58 | 0.39 |
| **20%** | 0.31 | 0.31 | 0.47 | 7.80 | 28.04 | 10.92 | 1.33 | 0.40 | 0.36 | 0.51 | 0.44 | 0.37 |
| **50%** | 0.25 | 0.23 | 0.30 | 2.34 | 15.75 | 4.44 | 0.71 | 0.26 | 0.22 | 0.30 | 0.31 | 0.27 |
| **80%** | 0.17 | 0.19 | 0.23 | 0.86 | 8.89 | 2.11 | 0.30 | 0.14 | 0.11 | 0.18 | 0.22 | 0.17 |
| **90%** | 0.14 | 0.17 | 0.20 | 0.43 | 6.99 | 1.25 | 0.22 | 0.08 | 0.07 | 0.16 | 0.19 | 0.16 |
| **95%** | 0.14 | 0.12 | 0.17 | 0.31 | 5.13 | 0.94 | 0.15 | 0.05 | 0.05 | 0.15 | 0.18 | 0.14 |
| **99%** | 0.14 | 0.12 | 0.16 | 0.20 | 3.34 | 0.50 | 0.10 | 0.03 | 0.05 | 0.07 | 0.16 | 0.14 |

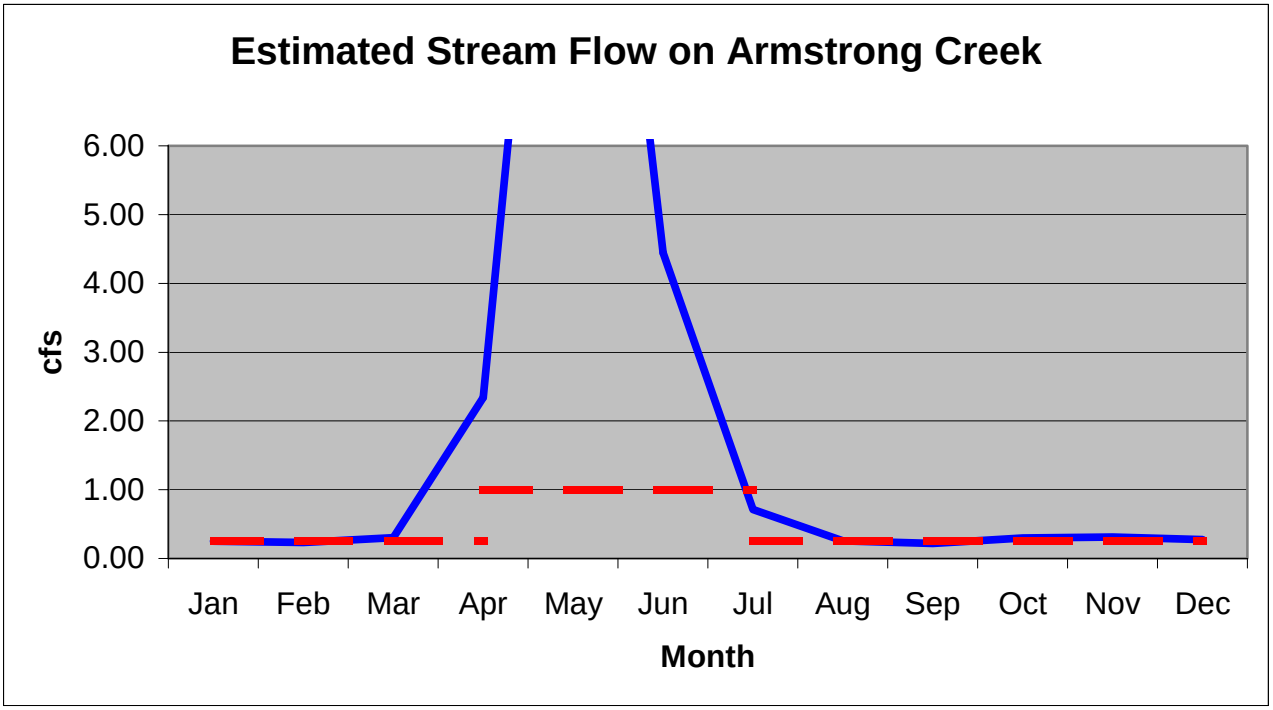



Table 2 shows that the summer flow recommendation of 1.0 cfs is available at least 50% of the time for the month of April 1st through July 15th. The winter flow recommendation of 0.4 cfs is not available at least 50% of the time from July 16th through March 31st. Based on water availability, the winter recommendation was further reduced to 0.25 cfs for the time period of July 16th through March 31st.

**Precipitation Data**

Staff reviewed a local precipitation data set from 1 site located near the Elkhead Drainage (see Precipitation Data in Appendix C). Table 3 shows the water year and the percent of average precipitation recorded at each site. It is staff's opinion that the 19 years of stream-flow data analyzed is representative of average water-years.

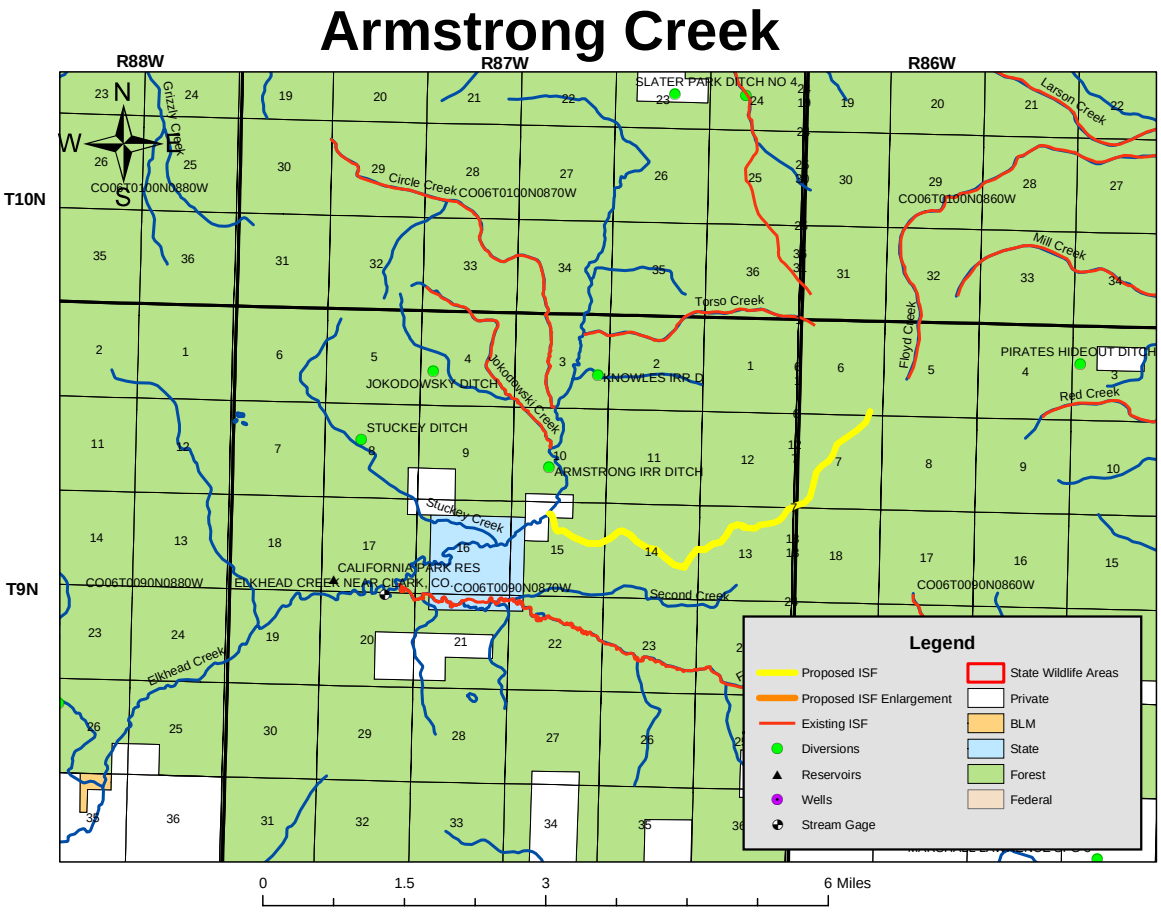
Table 3: Precipitation Data as a percentage of Average

| **Year** | **Craig** Elevation=5690 Lat=40.31 Long=-107.33 |
|---|---|
| 1942 | 73% |
| 1943 | 80% |
| 1944 | 102% |
| 1945 | 157% |
| 1946 | 112% |
| 1947 | 131% |
| 1949 | 117% |
| 1950 | 91% |
| 1951 | 139% |
| 1952 | 92% |
| 1953 | 108% |
| 1954 | 102% |
| 1955 | 90% |
| 1956 | 69% |
| 1957 | 139% |
| 1958 | 56% |
| 1959 | 106% |
| 1960 | 69% |
| 1961 | 94% |
| 1962 | 67% |
| 1963 | 94% |
| 1964 | 110% |
| 1965 | 104% |
| 1966 | 74% |
| 1967 | 125% |
| 1968 | 96% |
| 1969 | 125% |
| 1970 | 120% |
| 1971 | 83% |
| 1972 | 86% |
| 1973 | 94% |
| **Average** | **100%** |

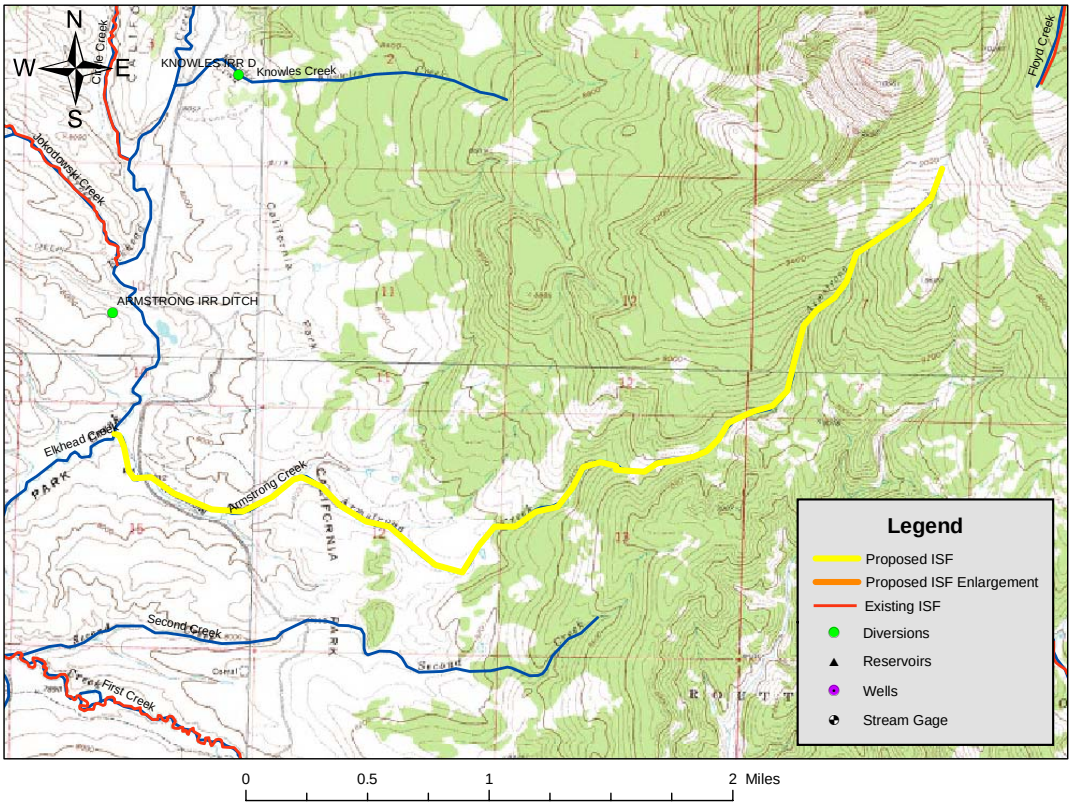
Table 3 shows that the 19 years of stream flow data analyzed is representative of average water years.

**Existing Water Right Information**

Staff has analyzed the water rights tabulation and consulted with the Division Engineer's Office (DEO) to identify any potential water availability problems. Records indicate that there are no surface water diversions that are located within this reach of Armstrong Creek. According to the DEO, there is usually sufficient water available within this stream reach to satisfy the recommended instream flow amount. Based on this analysis, staff has determined that water is available for appropriation on Armstrong Creek, from the headwaters to the confluence with Elkhead Creek, to preserve the natural environment to a reasonable degree without limiting or foreclosing the exercise of valid existing water rights.



# Armstrong Creek



**CWCB Staff's Instream Flow Recommendation**

Based on the CDOW recommendation, staff recommends the Board form its intent to appropriate on the following stream reach:

# Stream Name: Armstrong Creek

## Segment:

**Upper Terminus: Headwaters**
Latitude: 40d45'43.66"N Longitude: 107d04'20.27"W
UTM North: 4514417.229 UTM East: 325085.746
SE1/4, SE1/4, Sctn6, T9N, R86W, 6th PM
736 ft W of the E Section Line, 204 ft, N of the S Section Line

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Latitude: 40d44'43.11"N Longitude: 107d08'11.65"W
UTM North: 4512680.197 UTM East: 319614.994
NE1/4, NW1/4, Sctn15, T9N, R87W, 6th PM
2135 ft E of the W Section Line, 671 ft, S of the N Section Line

Counties: Routt
Length: 4.63 miles
USGS Quad(s): Meaden Peak, Pilot Knob, Quaker Mountain
ISF Appropriation: 1.0 cfs (04/01 – 07/15)
0.25 cfs (07/16 – 03/31)

# APPENDIX – A
# ISF Recommendation

STATE OF COLORADO

Bill Owens, Governor
DEPARTMENT OF NATURAL RESOURCES
**DIVISION OF WILDLIFE**
AN EQUAL OPPORTUNITY EMPLOYER

Bruce McCloskey, Director
6060 Broadway
Denver, Colorado 80216
Telephone (303) 297-1192

*For Wildlife-*
*For People*

December 15, 2005

Mr Dan Merriman and Mr. Todd Doherty
Colorado Water Conservation Board
Stream and Lake Protection Section
1313 Sherman Street, Room 723
Denver, Colorado 80203

**Re: Colorado Division of Wildlife Instream Flow Recommendations for Armstrong Creek.**

Dear Dan and Todd,

The purpose of this letter is to officially transmit the Colorado Division of Wildlife's (DOW) Instream Flow Recommendations for Armstrong Creek in Routt County. The reach of stream covered by this flow recommendation is from the headwaters of Armstrong Creek to the confluence with Elkhead Creek, a distance of approximately 4.5 miles.

The DOW, in July of 2005, collected stream cross section information, natural environment data, and other data needed to quantify the instream flow needs for this reach of Armstrong Creek. Armstrong Creek is classified as a minor stream (between 4 to 9 feet wide) and fishery surveys indicate the stream environment of Armstrong Creek supports Colorado River cutthroat trout (*Salmo clarki pleuriticus*), Brook trout (*Salvelinus fontinalis*), Mountain sucker (*Catostomus platyrhynchus*), White sucker (*Catostomus commersoni*), Longnose sucker (*Catostomus catostomus*), Longnose dace (*Rhinichthys cataractae*), Speckled dace (*Rhinichthys osculus*) and Mottled sculpin (*Cottus bairdi*).

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The stream cross section data was analyzed using the R2CROSS program. The R2CROSS output was evaluated using the methods described in Nehring (1979) and Espegren (1996). The CDOW has reviewed the data collected to date and based on that review recommends that the CWCB appropriated the following flow amounts to preserve the natural environment of Armstrong Creek to a reasonable degree:

- 1.0 cubic feet per second is recommended for April 1 through September 30. This flow is required to maintain the three principal hydraulic criteria of average depth, average velocity and percent wetted perimeter;
- 0.4 cubic feet per second is recommended for October 1 through March 31. This flow is required to maintain two of the three principal hydraulic criteria of average depth and percent wetted perimeter.

The CDOW is forwarding this stream flow recommendation to the CWCB to meet the State of Colorado's policy "... that the wildlife and their environment are to be protected, preserved, enhanced, and managed for the use, benefit, and enjoyment of the people of this state and its visitors ... and that, to carry out such program and policy, there shall be a continuous operation of planning, acquisition, and development of wildlife habitats and facilities for wildlife-related opportunities." C.R.S. 33-1-101 (1). The CDOW Strategic Plan states "Healthy aquatic environments are essential to maintain healthy and viable fisheries, and critical for self-sustaining populations. The Division desires to protect and enhance the quality and quantity of aquatic habitats."

Please find attached, copies of the field data sheets, the R2CROSS modeling runs, fishery survey information and stream photographs. If you have any questions regarding the attached information or the instream flow recommendations, please feel free to contact me at (303)-291-7267.

Sincerely,

Mark Uppendahl
Colorado Division of Wildlife
Instream Flow Program Coordinator

Cc: Jay Skinner, CDOW Water Unit Program Manager - w/o attachments
Sherman Hebein, CDOW Senior Fish Biologist – West Regions – w/o attachments
Bill Atkinson, CDOW Aquatic Biologist – w/o attachments
Lori Martin, CDOW Aquatic Biologist - w/o attachments
Susan Werner, CDOW AWM Area 10 – w/o attachments

# APPENDIX – B
## Field Data

COLORADO WATER CONSERVATION BOARD
INSTREAM FLOW / NATURAL LAKE LEVEL PROGRAM
STREAM CROSS-SECTION AND FLOW ANALYSIS

LOCATION INFORMATION

| | |
|---|---|
| STREAM NAME | Armstrong Creek |
| XS LOCATION | N 40 44' 34 8" W 107 08' 05 4" |
| XS NUMBER | 7260502 |
| DATE | 26-Jul-05 |
| OBSERVERS | Uppendahl,Dilger |
| 1/4 SEC | NE |
| SECTION | 15 |
| TWP | 9 |
| RANGE | 87W |
| PM | 6 |
| COUNTY | Routt |
| WATERSHED | Yampa |
| DIVISION | 6 |
| DOW CODE | 0 [illegible] |
| USGS MAP | Quaker Mnt |
| USFS MAP | 0 |

SUPPLEMENTAL DATA

*** NOTE ***
Leave TAPE WT and TENSION at defaults for data collected with a survey level and rod

| | |
|---|---|
| TAPE WT | 0 0106 |
| TENSION | 99999 |

CHANNEL PROFILE DATA

| | |
|---|---|
| SLOPE | 0 02421053 |

INPUT DATA CHECKED BY DATE

ASSIGNED TO DATE

STREAM NAME Armstrong Creek
XS LOCATION N 40 44' 34 8" W 107 08' 05 4"
XS NUMBER 7260502

# DATA POINTS= 25

VALUES COMPUTED FROM RAW FIELD DATA

| FEATURE | DIST | VERT DEPTH | WATER DEPTH | VEL | WETTED PERIM | WATER DEPTH | AREA (Am) | Q (Qm) | % Q CELL |
|---|---|---|---|---|---|---|---|---|---|
| S | 0 00 | 5 60 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| | 2 00 | 5 90 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| B | 2 60 | 5 99 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| | 3 00 | 6 30 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| | 5 00 | 6 40 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| 1 G | 6 80 | 6 65 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| | 7 60 | 6 90 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| W | 7 80 | 7 05 | 0 00 | 0 00 | 0 00 | | 0 00 | 0 00 | 0 0% |
| | 7 90 | 7 25 | 0 20 | 0 10 | 0 22 | 0 20 | 0 04 | 0 00 | 1 0% |
| | 8 20 | 7 35 | 0 30 | 0 89 | 0 32 | 0 30 | 0 09 | 0 08 | 19 1% |
| | 8 50 | 7 30 | 0 30 | 0 94 | 0 30 | 0 30 | 0 09 | 0 08 | 20 2% |
| | 8 80 | 7 25 | 0 20 | 0 78 | 0 30 | 0 20 | 0 06 | 0 05 | 11 2% |
| | 9 10 | 7 20 | 0 20 | 1 21 | 0 30 | 0 20 | 0 06 | 0 07 | 17 3% |
| | 9 40 | 7 25 | 0 25 | 1 38 | 0 30 | 0 25 | 0 08 | 0 10 | 24 7% |
| | 9 70 | 7 20 | 0 20 | 0 30 | 0 30 | 0 20 | 0 06 | 0 02 | 4 3% |
| | 10 00 | 7 20 | 0 20 | 0 15 | 0 30 | 0 20 | 0 06 | 0 01 | 2 2% |
| | 10 30 | 7 15 | 0 10 | 0 00 | 0 30 | 0 10 | 0 03 | 0 00 | 0 0% |
| W | 10 60 | 7 00 | 0 00 | 0 00 | 0 34 | | 0 00 | 0 00 | 0 0% |
| 1 G | 11 00 | 6 65 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| | 11 50 | 6 35 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| | 13 00 | 6 25 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| | 14 00 | 6 15 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| B | 15 00 | 5 95 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| S | 16 70 | 5 70 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| TS | 16 71 | 4 80 | | | 0 00 | | 0 00 | 0 00 | 0 0% |
| TOTALS ---------- | | | | | 3 00 | 0 3 (Max ) | 0 57 | 0 42 | 100 0% |

Manning's n = 0 1025
Hydraulic Radius= 0 188328718

| | |
|---|---|
| STREAM NAME | Armstrong Creek |
| XS LOCATION | N 40 44' 34 8" W 107 08' 05 4" |
| XS NUMBER | 7260502 |

WATER LINE COMPARISON TABLE

| WATER LINE | MEAS AREA | COMP AREA | AREA ERROR |
|---|---|---|---|
| | 0 57 | 0 55 | -2 0% |
| 6 78 | 0 57 | 1 35 | 138 3% |
| 6 80 | 0 57 | 1 27 | 125 5% |
| 6 82 | 0 57 | 1 20 | 113 0% |
| 6 84 | 0 57 | 1 13 | 100 9% |
| 6 86 | 0 57 | 1 07 | 89 0% |
| 6 88 | 0 57 | 1 00 | 77 4% |
| 6 90 | 0 57 | 0 94 | 66 2% |
| 6 92 | 0 57 | 0 88 | 55 2% |
| 6 94 | 0 57 | 0 82 | 44 4% |
| 6 96 | 0 57 | 0 76 | 33 7% |
| 6 98 | 0 57 | 0 70 | 23 3% |
| 6 99 | 0 57 | 0 67 | 18 1% |
| 7 00 | 0 57 | 0 64 | 13 0% |
| 7 01 | 0 57 | 0 61 | 7 9% |
| 7 02 | 0 57 | 0 58 | 2.9% |
| 7 03 | 0 57 | 0 55 | -2 0% |
| 7 04 | 0 57 | 0 53 | -6 9% |
| 7 05 | 0 57 | 0 50 | -11 8% |
| 7 06 | 0 57 | 0 47 | -16.5% |
| 7 07 | 0 57 | 0 44 | -21 3% |
| 7 08 | 0 57 | 0 42 | -26 0% |
| 7 10 | 0 57 | 0 37 | -35.2% |
| 7 12 | 0 57 | 0 31 | -44 3% |
| 7 14 | 0 57 | 0 26 | -53 2% |
| 7 16 | 0 57 | 0 22 | -61.9% |
| 7 18 | 0 57 | 0 17 | -70 2% |
| 7 20 | 0 57 | 0 12 | -78 1% |
| 7 22 | 0 57 | 0 09 | -84 5% |
| 7 24 | 0 57 | 0 06 | -89 3% |
| 7 26 | 0 57 | 0 04 | -92 8% |
| 7 28 | 0 57 | 0 03 | -95 5% |

WATERLINE AT ZERO
AREA ERROR = 7 021

STREAM NAME Armstrong Creek
XS LOCATION N 40 44' 34 8" W 107 08' 05 4"
XS NUMBER 7260502

Constant Manning's n

STAGING TABLE

"GL" = lowest Grassline elevation corrected for sag
"WL" = Waterline corrected for variations in field measured water surface elevations and sag

| | DIST TO WATER (FT) | TOP WIDTH (FT) | AVG DEPTH (FT) | MAX DEPTH (FT) | AREA (SQ FT) | WETTED PERIM (FT) | PERCENT WET PERIM (%) | HYDR RADIUS (FT) | FLOW (CFS) | AVG VELOCITY (FT/SEC) |
|---|---|---|---|---|---|---|---|---|---|---|
| "GL" | 6 65 | 4 20 | 0 44 | 0 70 | 1 84 | 4 62 | 100 0% | 0 40 | 2 24 | 1 22 |
| | 6 67 | 4 11 | 0 43 | 0 68 | 1 75 | 4 52 | 97 8% | 0 39 | 2 10 | 1 20 |
| | 6 72 | 3 89 | 0 40 | 0 63 | 1 55 | 4 27 | 92 5% | 0 36 | 1 78 | 1 15 |
| | 6 77 | 3 67 | 0 37 | 0 58 | 1 36 | 4 03 | 87 3% | 0 34 | 1 49 | 1 09 |
| | 6 82 | 3 46 | 0 34 | 0 53 | 1 18 | 3 79 | 82 0% | 0 31 | 1 23 | 1 04 |
| | 6 87 | 3 24 | 0 31 | 0 48 | 1 02 | 3 54 | 76 7% | 0 29 | 1 00 | 0 98 |
| | 6 92 | 3 06 | 0 28 | 0 43 | 0 86 | 3 34 | 72 2% | 0 26 | 0 78 | 0 91 |
| | 6 97 | 2 94 | 0 24 | 0 38 | 0 71 | 3 18 | 68 8% | 0 22 | 0 59 | 0 83 |
| "WL" | 7 02 | 2 80 | 0 20 | 0 33 | 0 56 | 3 00 | 65 0% | 0 19 | 0 42 | 0 74 |
| | 7 07 | 2 65 | 0 16 | 0 28 | 0 43 | 2 82 | 61 0% | 0 15 | 0 28 | 0 64 |
| | 7 12 | 2 52 | 0 12 | 0 23 | 0 30 | 2 65 | 57 4% | 0 11 | 0 16 | 0 53 |
| | 7 17 | 2 31 | 0 08 | 0 18 | 0 18 | 2 40 | 52 0% | 0 07 | 0 07 | 0 40 |
| | 7 22 | 1 44 | 0 05 | 0 13 | 0 08 | 1 49 | 32 2% | 0 05 | 0 03 | 0 32 |
| | 7 27 | 0 71 | 0 04 | 0 08 | 0 03 | 0 73 | 15 8% | 0 04 | 0 01 | 0 26 |
| | 7 32 | 0 26 | 0 01 | 0 03 | 0 00 | 0 27 | 5 8% | 0 01 | 0 00 | 0 13 |

$3/3_0 = 1.0$

$2/3_0 = 0.40$

STREAM NAME Armstrong Creek
XS LOCATION N 40 44' 34 8" W 107 08' 05 4"
XS NUMBER 7260502

SUMMARY SHEET

| | | |
|---|---|---|
| MEASURED FLOW (Qm)= | 0 42 | cfs |
| CALCULATED FLOW (Qc)= | 0 42 | cfs |
| (Qm-Qc)/Qm * 100 = | 0 1 | % |
| MEASURED WATERLINE (WLm)= | 7 03 | ft |
| CALCULATED WATERLINE (WLc)= | 7 02 | ft |
| (WLm-WLc)/WLm * 100 = | 0 1 | % |
| MAX MEASURED DEPTH (Dm)= | 0 30 | ft |
| MAX CALCULATED DEPTH (Dc)= | 0 33 | ft |
| (Dm-Dc)/Dm * 100 | -9 7 | % |
| MEAN VELOCITY= | 0 74 | ft/sec |
| MANNING'S N= | 0 103 | |
| SLOPE= | 0 02421053 | ft/ft |
| 4 * Qm = | 0 2 | cfs |
| 2 5 * Qm= | 1 0 | cfs |

RECOMMENDED INSTREAM FLOW

| FLOW (CFS) | PERIOD |
|---|---|
| | |
| | |
| | |
| | |

RATIONALE FOR RECOMMENDATION

RECOMMENDATION BY AGENCY DATE

CWCB REVIEW BY DATE

## Data Input & Proofing

| | |
|---|---|
| STREAM NAME | Armstrong Creek |
| XS LOCATION | N 40 44' 34 8" W 107 08' 05 4" |
| XS NUMBER | 7260502 |
| DATE | 7/26/2005 |
| OBSERVERS | Uppendahl,Dilger |
| 1/4 SEC | NE |
| SECTION | 15 |
| TWP | 9 |
| RANGE | 87W |
| PM | 6 |
| COUNTY | Routt |
| WATERSHED | Yampa |
| DIVISION | 6 |
| DOW CODE | |
| USGS MAP | Quaker Mnt |
| USFS MAP | |
| | Level and Rod Survey |
| TAPE WT | 0 0106 lbs / ft |
| TENSION | 99999 lbs |
| SLOPE | 0 024210526 ft / ft |

CHECKED BY DATE

ASSIGNED TO DATE

Total Data Points = 25

| GL=1 | FEATURE | DIST | VERT DEPTH | WATER DEPTH | VEL | A | Q | Tape to Water |
|---|---|---|---|---|---|---|---|---|
| | S | 0 00 | 5 60 | | | 0 00 | 0 00 | 0 00 |
| | | 2 00 | 5 90 | | | 0 00 | 0 00 | 0 00 |
| | B | 2 60 | 5 99 | | | 0 00 | 0 00 | 0 00 |
| | | 3 00 | 6 30 | | | 0 00 | 0 00 | 0 00 |
| | | 5 00 | 6 40 | | | 0 00 | 0 00 | 0 00 |
| 1 | G | 6 80 | 6 65 | | | 0 00 | 0 00 | 0 00 |
| | | 7 60 | 6 90 | | | 0 00 | 0 00 | 0 00 |
| | W | 7 80 | 7 05 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 |
| | | 7 90 | 7 25 | 0 20 | 0 10 | 0 04 | 0 00 | 7 05 |
| | | 8 20 | 7 35 | 0 30 | 0 89 | 0 09 | 0 08 | 7 05 |
| | | 8 50 | 7 30 | 0 30 | 0 94 | 0 09 | 0 08 | 7 00 |
| | | 8 80 | 7 25 | 0 20 | 0 78 | 0 06 | 0 05 | 7 05 |
| | | 9 10 | 7 20 | 0 20 | 1 21 | 0 06 | 0 07 | 7 00 |
| | | 9 40 | 7 25 | 0 25 | 1 38 | 0 08 | 0 10 | 7 00 |
| | | 9 70 | 7 20 | 0 20 | 0 30 | 0 06 | 0 02 | 7 00 |
| | | 10 00 | 7 20 | 0 20 | 0 15 | 0 06 | 0 01 | 7 00 |
| | | 10 30 | 7 15 | 0 10 | 0 00 | 0 03 | 0 00 | 7 05 |
| | W | 10 60 | 7 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 |
| 1 | G | 11 00 | 6 65 | | | 0 00 | 0 00 | 0 00 |
| | | 11 50 | 6 35 | | | 0 00 | 0 00 | 0 00 |
| | | 13 00 | 6 25 | | | 0 00 | 0 00 | 0 00 |
| | | 14 00 | 6 15 | | | 0 00 | 0 00 | 0 00 |
| | B | 15 00 | 5 95 | | | 0 00 | 0 00 | 0 00 |
| | S | 16 70 | 5 70 | | | 0 00 | 0 00 | 0 00 |
| | TS | 16 71 | 4 80 | | | 0 00 | 0 00 | 0 00 |
| | | | | | Totals | 0 57 | 0 42 | |

STREAM NAME Armstrong Creek
XS LOCATION N 40 44' 34 8" W 107 08' 05 4"
XS NUMBER 7260502

Thorne-Zevenbergen D84 Correction Applied
**Estimated D84 =** 0 42

"GL" = lowest Grassline elevation corrected for sag
"WL" = Waterline corrected for variations in field measured water surface elevations and sag

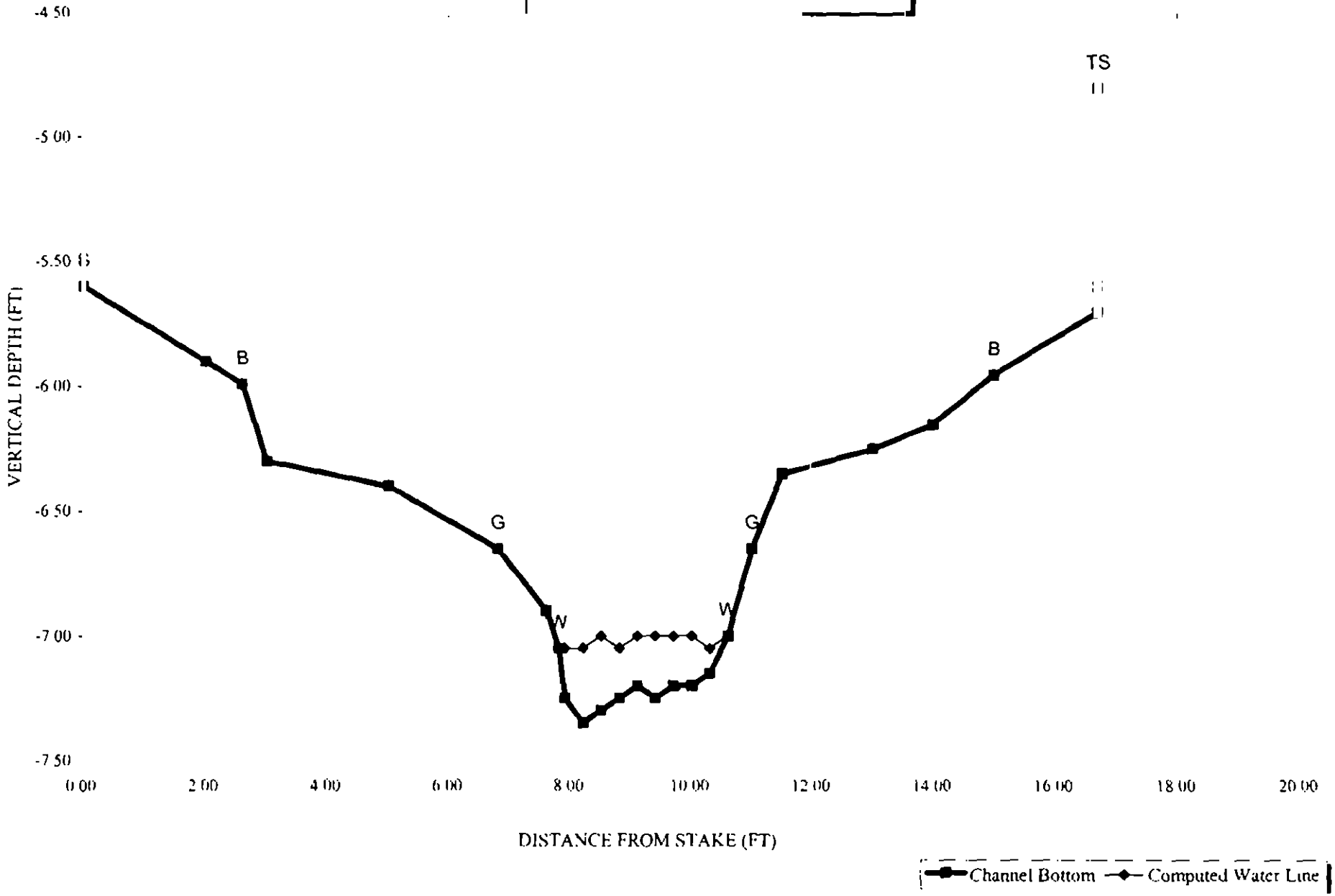
STAGING TABLE

**Velocity based on test of R/D84>1**

| | DIST TO WATER (FT) | TOP WIDTH (FT) | AVG DEPTH (FT) | MAX DEPTH (FT) | AREA (SQ FT) | WETTED PERIM (FT) | PERCENT WET PERIM (%) | HYDR RADIUS (FT) | FLOW (CFS) | AVG VELOCITY (FT/SEC) |
|---|---|---|---|---|---|---|---|---|---|---|
| "GL" | 6 65 | 4 20 | 0 44 | 0 70 | 1 84 | 4 62 | 100 0% | 0 40 | 5 47 | 2 98 |
| | 6 67 | 4 11 | 0 43 | 0 68 | 1 75 | 4 52 | 97 8% | 0 39 | 4 96 | 2 83 |
| | 6 72 | 3 89 | 0 40 | 0 63 | 1 55 | 4 27 | 92 5% | 0 36 | 3 87 | 2 49 |
| | 6 77 | 3 67 | 0 37 | 0 58 | 1 36 | 4 03 | 87 3% | 0 34 | 2 96 | 2 17 |
| | 6 82 | 3 46 | 0 34 | 0 53 | 1 18 | 3 79 | 82 0% | 0 31 | 2 22 | 1 87 |
| | 6 87 | 3 24 | 0 31 | 0 48 | 1 02 | 3 54 | 76 7% | 0 29 | 1 62 | 1 59 |
| | 6 92 | 3 06 | 0 28 | 0 43 | 0 86 | 3 34 | 72 2% | 0 26 | 1 11 | 1 30 |
| | 6 97 | 2 94 | 0 24 | 0 38 | 0 71 | 3 18 | 68 8% | 0 22 | 0 71 | 1 00 |
| "WL" | 7 02 | 2 80 | 0 20 | 0 33 | 0 56 | 3 00 | 65 0% | 0 19 | 0 42 | 0 74 |
| | 7 07 | 2 65 | 0 16 | 0 28 | 0 43 | 2 82 | 61 0% | 0 15 | 0 23 | 0 53 |
| | 7 12 | 2 52 | 0 12 | 0 23 | 0 30 | 2 65 | 57 4% | 0 11 | 0 10 | 0 34 |
| | 7 17 | 2 31 | 0 08 | 0 18 | 0 18 | 2 40 | 52 0% | 0 07 | 0 04 | 0 21 |
| | 7 22 | 1 44 | 0 05 | 0 13 | 0 08 | 1 49 | 32 2% | 0 05 | 0 01 | 0 12 |
| | 7 27 | 0 71 | 0 04 | 0 08 | 0 03 | 0 73 | 15 8% | 0 04 | 0 00 | 0 06 |
| | 7 32 | 0 26 | 0 01 | 0 03 | 0 00 | 0 27 | 5 8% | 0 01 | 0 00 | 0 01 |

Armstrong Creek

**CROSS SECTION DATA ANALYSIS**



COLORADO WATER CONSERVATION BOARD

# FIELD DATA FOR INSTREAM FLOW DETERMINATIONS

COLORADO DIVISION OF WILDLIFE

## LOCATION INFORMATION

STREAM NAME Meadow Creek #1 | CROSS-SECTION NO 0926005 02

CROSS-SECTION LOCATION 25 Yards U/S of Road Xing in Coldiron PARK

Near bench Mark Elevation 7912 | 40° 44' 34.8"

DATE 7/26/95 | OBSERVERS [illegible] | 107° 08' 09.4"

LEGAL DESCRIPTION | % SECTION N E | SECTION 15 | TOWNSHIP 9 (N/S) | RANGE 87 E/(W) | PM 6

COUNTY Routt | WATERSHED Yampa | WATER DIVISION 6 | DOW WATER CODE

MAP(S) | USGS Quaker MT | USFS

## SUPPLEMENTAL DATA

SAG TAPE SECTION SAME AS DISCHARGE SECTION (YES)/NO | METER TYPE FLO-MATE

METER NUMBER | DATE RATED | CALIB/SPIN ____ sec | TAPE WEIGHT ____ lbs/100' | TAPE TENSION ____ lbs

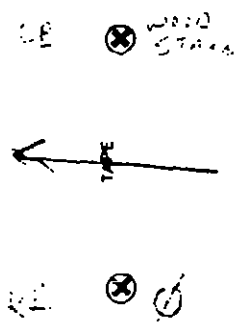
CHANNEL BED MATERIAL SIZE RANGE | PHOTOGRAPHS TAKEN (YES)/NO | NUMBER OF PHOTOGRAPHS 4 S1 S2 S3 S4

## CHANNEL PROFILE DATA

| | STATION | DISTANCE FROM TAPE (ft) | ROD READING (ft) |
|---|---|---|---|
| ⊗ | Tape @ Stake LB | 0.0 | 4.80 |
| ⊗ | Tape @ Stake RB | 0.0 | 5.60 |
| 1 | WS @ Tape LB/RB | 0.0 | 7.00 / 7.05 |
| 2 | WS Upstream | 63 | 5.60 |
| 3 | WS Downstream | 32 | 7.90 |

SLOPE | 2.3/95 = 0.0242

SKETCH




LEGEND

Stake ⊗

Station (1)

Photo ◇

Direction of Flow

## AQUATIC SAMPLING SUMMARY

STREAM ELECTROFISHED YES/(NO) | DISTANCE ELECTROFISHED ____ ft | FISH CAUGHT YES/NO | WATER CHEMISTRY SAMPLED YES/NO

LENGTH - FREQUENCY DISTRIBUTION BY ONE-INCH SIZE GROUPS (1 0-1 9, 2 0-2 9, ETC.)

| SPECIES (FILL IN) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | >15 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

AQUATIC INSECTS IN STREAM SECTION BY COMMON OR SCIENTIFIC ORDER NAME

## COMMENTS

Brook Trout 2 50+ CRN 1-4"

FORM #ISF FD 1-85

# DISCHARGE/CROSS SECTION NOTES

STREAM NAME Arroyo Creek | CROSS-SECTION NO Cross Section 2 | DATE 7-12-10 | SHEET 1 OF 1

BEGINNING OF MEASUREMENT | EDGE OF WATER LOOKING DOWNSTREAM (0.0 AT STAKE) | (LEFT) RIGHT | Gage Reading ____ ft | TIME 15 31

| Features (Stake (S), Grassline (G), Waterline (W), Rock (R)) | Distance From Initial Point (ft) | Width (ft) | Total Vertical Depth From Tape/Rod (ft) | Water Depth (ft) | Depth of Observation (ft) | Revolutions | Velocity (ft/sec): Time (sec) | Velocity (ft/sec): At Point | Velocity (ft/sec): Mean in Vertical | Area ($ft^2$) | Discharge (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S | 0 | | 5.61 | | | | | | | | |
| | 2.0 | | 5.90 | | | | | | | | |
| Grass | 2.6 | | 5.99 | | | | | | | | |
| | 3.0 | | 6.30 | | | | | | | | |
| | 5.0 | | 6.70 | | | | | | | | |
| G | 5.8 | | 6.85 | | | | | | | | |
| | 7.6 | | 6.90 | | | | | | | | |
| W | 7.8 | | 7.05 | 0 | | | | 0 | | | |
| | 7.9 | | 7.25 | .20 | | | | .10 | | | |
| | 8.2 | | 7.55 | .30 | | | | .89 | | | |
| | 8.5 | | 7.30 | .30 | | | | .94 | | | |
| | 7.9 | | 7.25 | .20 | | | | .78 | | | |
| | 9.1 | | 7.20 | .20 | | | | 1.21 | | | |
| | 9.4 | | 7.25 | .25 | | | | 1.38 | | | |
| | 9.7 | | 7.20 | .20 | | | | 0.30 | | | |
| | 10.0 | | 7.20 | .20 | | | | 0.15 | | | |
| | 10.3 | | 7.15 | .10 | | | | 0 | | | |
| W | 10.6 | | 7.00 | 0 | | | | 0 | | | |
| G | 11.0 | | 6.65 | | | | | | | | |
| | 11.5 | | 6.35 | | | | | | | | |
| | 13.0 | | 6.25 | | | | | | | | |
| | 14.0 | | 6.15 | | | | | | | | |
| Bank | 15.0 | | 5.95 | | | | | | | | |
| S | 16.7 | | 5.70 | | | | | | | | |
| Top of bank | 16.7 | | 4.80 | | | | | | | | |

TOTALS

End of Measurement | Time | Gage Reading ____ ft | CALCULATIONS PERFORMED BY | CALCULATIONS CHECKED BY

| WATERC | WATERNAME | ATL | COC | SAMPDATE | SPEC | COMM |
|---|---|---|---|---|---|---|
| 19035 | ARMSTRONG CREEK | 16 | C1 | 6/28/2000 | LGS | LONGNOSE SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 6/28/2000 | MTS | MOTTLED SCULPIN |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 6/28/2000 | LND | LONGNOSE DACE |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 6/28/2000 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/18/1998 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/18/1998 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/18/1998 | BRK | BROOK TROUT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/18/1998 | BRK | BROOK TROUT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/17/1998 | BRK | BROOK TROUT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/17/1998 | SPD | SPECKLED DACE |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/17/1998 | MTS | MOTTLED SCULPIN |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/17/1998 | MOS | MOUNTAIN SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/17/1998 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/17/1998 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/17/1998 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/25/1997 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/25/1997 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/25/1997 | MOS | MOUNTAIN SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/25/1997 | WHS | WHITE SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/25/1997 | WHS | WHITE SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/25/1997 | MTS | MOTTLED SCULPIN |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/25/1997 | SPD | SPECKLED DACE |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/25/1997 | MOS | MOUNTAIN SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/25/1997 | MTS | MOTTLED SCULPIN |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/25/1997 | SPD | SPECKLED DACE |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/8/1997 | SPD | SPECKLED DACE |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/8/1997 | SPD | SPECKLED DACE |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/8/1997 | BRK | BROOK TROUT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/8/1997 | MTS | MOTTLED SCULPIN |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/8/1997 | MTS | MOTTLED SCULPIN |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/8/1997 | WHS | WHITE SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/8/1997 | MOS | MOUNTAIN SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/8/1997 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/8/1997 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 7/8/1997 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/28/1996 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 9/24/1993 | CRN | CO RIVER CUTTHROAT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 9/24/1993 | MOS | MOUNTAIN SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 9/24/1993 | WHS | WHITE SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 9/24/1993 | SPD | SPECKLED DACE |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 9/24/1993 | MTS | MOTTLED SCULPIN |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/28/1984 | SPD | SPECKLED DACE |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/28/1984 | MOS | MOUNTAIN SUCKER |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/28/1984 | MTS | MOTTLED SCULPIN |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/14/1976 | MTS | MOTTLED SCULPIN |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/14/1976 | MOS | MOUNTAIN SUCKER |

| WATERC | WATERNAME | ATL | COC | SAMPDATE | SPEC | COMM |
|---|---|---|---|---|---|---|
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/14/1976 | SPD | SPECKLED DACE |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/14/1976 | BRK | BROOK TROUT |
| 19035 | ARMSTRONG CREEK | 16 | C1 | 8/14/1976 | CRN | CO RIVER CUTTHROAT |

# APPENDIX – C
# Water Availability Analysis

Station **ELKHEAD CREEK NEAR CLARK, CO.**
Parameter STREAM FLOW CFS
Year 1942-1973
State CO
County ROUTT

ID 09244500
Statistic Mean
Latitude 40 43 56
Longitude 107 10 08
Elevation 7800 00
Drainage Area 45 40

**Monthly Statistics**

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Ann |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| # Days | 527 | 481 | 527 | 480 | 496 | 480 | 527 | 527 | 510 | 529 | 510 | 527 | 6121 |
| Avg Day | 3 19 | 3 19 | 4 88 | 64 38 | 238 8 | 82 26 | 10 74 | 3 64 | 3 25 | 4 45 | 4 46 | 3 65 | 34 37 |
| Max Day | 7 20 | 5 00 | 21 00 | 500 0 | 800 0 | 418 0 | 41 00 | 17 00 | 29 00 | 23 00 | 13 00 | 8 00 | 800 0 |
| Min Day | 1 80 | 1 60 | 2 00 | 2 40 | 25 00 | 5 80 | 1 00 | 0 300 | 0 400 | 0 700 | 1 60 | 1 60 | 0 300 |
| # Months | 17 | 17 | 17 | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 16 |
| SDev Month | 1 03 | 0 880 | 2 07 | 55 48 | 73 06 | 50 91 | 5 56 | 1 84 | 1 61 | 2 04 | 1 52 | 1 30 | 10 40 |
| Skew Month | 0 361 | 0 275 | 0 783 | 0 734 | 0 041 | 0 404 | 0 078 | 0 348 | 0 542 | 0 465 | 0 486 | 0 401 | -0 301 |
| Min Month | 1 80 | 1 60 | 2 37 | 11 47 | 117 5 | 24 33 | 2 64 | 0 894 | 1 01 | 1 73 | 2 26 | 1 80 | 15 20 |
| Max Month | 5 08 | 5 00 | 8 90 | 165 2 | 357 6 | 170 4 | 19 81 | 6 73 | 6 53 | 8 14 | 7 64 | 6 26 | 52 92 |
| Exceedences | | | | | | | | | | | | | |
| 1% | 6 40 | 5 00 | 18 46 | 400 0 | 620 2 | 346 2 | 34 73 | 11 73 | 12 90 | 11 00 | 9 98 | 7 60 | 432 5 |
| 5% | 5 13 | 5 00 | 10 00 | 288 0 | 515 6 | 220 0 | 26 00 | 8 20 | 8 10 | 8 85 | 8 20 | 6 40 | 210 0 |
| 10% | 4 30 | 4 30 | 7 66 | 180 0 | 459 4 | 196 0 | 22 00 | 6 90 | 5 70 | 7 91 | 7 50 | 5 00 | 110 0 |
| 20% | 4 00 | 4 00 | 6 00 | 100 0 | 359 6 | 140 0 | 17 00 | 5 10 | 4 60 | 6 50 | 5 60 | 4 80 | 23 00 |
| 50% | 3 20 | 3 00 | 3 90 | 30 00 | 202 0 | 57 00 | 9 15 | 3 30 | 2 80 | 3 80 | 4 00 | 3 50 | 4 30 |
| 80% | 2 20 | 2 40 | 3 00 | 11 00 | 114 0 | 27 00 | 3 88 | 1 74 | 1 40 | 2 30 | 2 80 | 2 20 | 2 60 |
| 90% | 1 80 | 2 20 | 2 60 | 5 50 | 89 60 | 16 00 | 2 80 | 1 00 | 0 900 | 2 00 | 2 40 | 2 00 | 2 00 |
| 95% | 1 80 | 1 60 | 2 20 | 4 00 | 65 80 | 12 00 | 1 90 | 0 700 | 0 700 | 1 90 | 2 35 | 1 80 | 1 70 |
| 99% | 1 80 | 1 60 | 2 05 | 2 60 | 42 88 | 6 40 | 1 30 | 0 400 | 0 610 | 0 900 | 2 00 | 1 80 | 0 721 |

# ELKHEAD CREEK NEAR CLARK, CO.

| ID | State | County | Agency | Hydrounit | Elevation (ft) | Drainage Basin Gage | Drainage Basin Basin | Percent Area |
|---|---|---|---|---|---|---|---|---|
| 9244500 | CO | ROUTT | USGS | 14050001 | 7,800 00 | 45 4 | 3 54 | 7 80% |

| Start Date | End Date | Record | # Obs | Average (cfs) | Max (cfs) | Min (cfs) |
|---|---|---|---|---|---|---|
| 1942 | 1973 | 19 | 6121 | 34 37 | 800 | 0 3 |

## Daily Mean (cfs)

| | January | February | March | April | May | June | July | August | September | October | November | December |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 2 | 3 25 | 3 81 | 12 98 | 150 6 | 158 2 | 22 65 | 5 01 | 2 81 | 3 79 | 5 36 | 3 89 |
| 2 | 3 19 | 3 26 | 3 84 | 14 34 | 178 6 | 153 | 20 51 | 4 85 | 2 76 | 3 7 | 5 08 | 3 85 |
| 3 | 3 16 | 3 29 | 3 83 | 16 02 | 203 1 | 148 1 | 19 19 | 5 13 | 2 66 | 3 86 | 4 96 | 3 95 |
| 4 | 3 15 | 3 3 | 3 81 | 16 83 | 208 4 | 139 2 | 18 19 | 5 22 | 2 62 | 3 78 | 5 45 | 3 94 |
| 5 | 3 12 | 3 26 | 3 78 | 18 06 | 203 1 | 129 | 17 16 | 4 61 | 2 49 | 3 93 | 5 02 | 3 86 |
| 6 | 3 12 | 3 25 | 3 78 | 20 23 | 210 8 | 121 1 | 15 55 | 4 63 | 2 72 | 4 59 | 4 93 | 3 87 |
| 7 | 3 13 | 3 22 | 3 76 | 22 56 | 243 2 | 118 4 | 14 42 | 4 41 | 3 24 | 4 79 | 4 7 | 3 82 |
| 8 | 3 12 | 3 19 | 3 79 | 27 15 | 244 4 | 117 3 | 13 37 | 4 12 | 2 69 | 4 45 | 4 55 | 3 75 |
| 9 | 3 14 | 3 19 | 3 84 | 31 69 | 241 6 | 108 2 | 12 93 | 4 06 | 2 6 | 4 14 | 4 68 | 3 67 |
| 10 | 3 19 | 3 16 | 3 86 | 36 69 | 254 1 | 105 3 | 12 12 | 3 97 | 2 69 | 4 18 | 4 75 | 3 66 |
| 11 | 3 22 | 3 18 | 3 86 | 39 71 | 263 2 | 107 3 | 11 31 | 3 48 | 2 58 | 4 21 | 4 72 | 3 66 |
| 12 | 3 21 | 3 17 | 3 89 | 44 26 | 271 6 | 98 81 | 10 71 | 3 51 | 2 52 | 4 23 | 4 6 | 3 68 |
| 13 | 3 21 | 3 19 | 3 9 | 43 68 | 281 8 | 93 38 | 10 47 | 3 59 | 2 48 | 4 21 | 4 34 | 3 68 |
| 14 | 3 21 | 3 18 | 3 92 | 48 64 | 275 1 | 87 88 | 10 52 | 3 68 | 2 31 | 4 07 | 4 06 | 3 66 |
| 15 | 3 21 | 3 18 | 3 93 | 56 05 | 279 3 | 86 13 | 9 74 | 3 52 | 2 42 | 4 32 | 4 29 | 3 64 |
| 16 | 3 22 | 3 17 | 4 12 | 63 03 | 293 6 | 78 06 | 9 32 | 3 17 | 2 75 | 4 65 | 4 34 | 3 63 |
| 17 | 3 21 | 3 16 | 4 18 | 69 16 | 298 4 | 70 19 | 8 8 | 3 06 | 2 92 | 4 57 | 4 44 | 3 6 |
| 18 | 3 26 | 3 16 | 4 25 | 74 31 | 295 6 | 65 06 | 8 4 | 3 22 | 3 18 | 4 68 | 4 53 | 3 62 |
| 19 | 3 28 | 3 17 | 4 25 | 81 13 | 300 8 | 57 5 | 8 11 | 3 88 | 3 71 | 4 33 | 4 28 | 3 65 |
| 20 | 3 26 | 3 17 | 4 34 | 95 56 | 294 3 | 53 38 | 9 26 | 3 42 | 3 48 | 4 42 | 4 25 | 3 65 |
| 21 | 3 24 | 3 17 | 5 41 | 108 7 | 290 6 | 47 5 | 8 65 | 3 22 | 3 76 | 4 54 | 4 18 | 3 6 |
| 22 | 3 25 | 3 15 | 5 58 | 114 9 | 279 5 | 45 67 | 7 72 | 3 54 | 4 2 | 4 52 | 4 08 | 3 53 |
| 23 | 3 23 | 3 12 | 5 68 | 121 6 | 249 8 | 42 35 | 7 26 | 3 33 | 3 94 | 4 44 | 4 08 | 3 49 |
| 24 | 3 2 | 3 13 | 5 99 | 125 8 | 230 5 | 44 09 | 6 86 | 3 31 | 3 69 | 4 63 | 4 12 | 3 5 |
| 25 | 3 19 | 3 17 | 6 3 | 112 1 | 215 | 39 84 | 6 74 | 2 89 | 3 88 | 4 41 | 4 06 | 3 59 |
| 26 | 3 18 | 3 19 | 6 58 | 100 6 | 204 8 | 36 14 | 6 22 | 2 61 | 4 16 | 4 36 | 3 99 | 3 61 |
| 27 | 3 17 | 3 19 | 7 | 97 56 | 202 | 32 2 | 5 81 | 2 91 | 4 2 | 4 5 | 3 94 | 3 52 |
| 28 | 3 18 | 3 18 | 6 94 | 93 56 | 192 5 | 30 82 | 5 36 | 2 61 | 4 11 | 5 75 | 3 96 | 3 44 |
| 29 | 3 15 | 3 24 | 7 24 | 106 3 | 186 2 | 27 28 | 5 07 | 2 71 | 5 46 | 5 34 | 3 99 | 3 39 |
| 30 | 3 1 | | 7 53 | 118 3 | 183 3 | 25 38 | 5 27 | 2 71 | 4 48 | 5 13 | 4 | 3 39 |
| 31 | 3 12 | | 8 38 | | 176 8 | | 5 13 | 2 54 | | 5 42 | | 3 36 |
| Average (cfs) | 3 19 | 3 19 | 4 88 | 64 38 | 238 79 | 82 26 | 10 74 | 3 64 | 3 25 | 4 45 | 4 46 | 3 65 |
| Max (cfs) | 3 28 | 3 3 | 8 38 | 125 8 | 300 8 | 158 2 | 22 65 | 5 22 | 5 46 | 5 75 | 5 45 | 3 95 |
| Min (cfs) | 3 1 | 3 12 | 3 76 | 12 98 | 150 6 | 25 38 | 5 07 | 2 54 | 2 31 | 3 7 | 3 94 | 3 36 |

## Monthly Stats (cfs)

| | January | February | March | April | May | June | July | August | September | October | November | December | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| # Days | 527 | 481 | 527 | 480 | 496 | 480 | 527 | 527 | 510 | 529 | 510 | 527 | 6121 |
| Avg Day | 3.19 | 3.19 | 4.89 | 64.39 | 238.8 | 82.26 | 10.74 | 3.64 | 3.25 | 4.45 | 4.46 | 3.65 | 34.37 |
| Max Day | 72 | 5 | 21 | 500 | 900 | 418 | 41 | 17 | 29 | 23 | 13 | 8 | 900 |
| Min Day | 1.8 | 1.6 | 2 | 24 | 25 | 5.8 | 1 | 0.3 | 0.4 | 0.7 | 1.6 | 1.6 | 0.3 |
| # Months | 17 | 17 | 17 | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 16 |
| SDev Month | 1.03 | 0.88 | 2.07 | 55.48 | 72.06 | 50.91 | 5.56 | 1.84 | 1.01 | 2.04 | 1.52 | 1.3 | 10.4 |
| Skew Month | 0.361 | 0.275 | 0.783 | 0.734 | 0.941 | 0.404 | 0.078 | 0.348 | 0.542 | 0.465 | 0.486 | 0.401 | -0.301 |
| Min Month | 1.8 | 1.6 | 2.37 | 11.47 | 117.5 | 24.33 | 2.84 | 0.894 | 1.01 | 1.73 | 2.26 | 1.8 | 15.2 |
| Max Month | 5.08 | 5 | 8.9 | 165.2 | 357.6 | 170.4 | 19.81 | 6.73 | 6.53 | 8.14 | 7.64 | 6.26 | 52.92 |
| Exceedences | | | | | | | | | | | | | |
| 1% | 6.4 | 5 | 18.46 | 400 | 620.2 | 346.2 | 34.73 | 11.73 | 12.9 | 11 | 9.98 | 7.6 | 432.5 |
| 5% | 5.13 | 5 | 10 | 288 | 515.6 | 220 | 26 | 8.2 | 8.1 | 8.85 | 8.2 | 6.4 | 210 |
| 10% | 4.3 | 4.3 | 7.60 | 180 | 459.4 | 196 | 22 | 6.9 | 5.7 | 7.91 | 7.5 | 5 | 110 |
| 20% | 4 | 4 | 6 | 100 | 357.6 | 140 | 17 | 5.1 | 4.6 | 6.5 | 5.6 | 4.8 | 23 |
| 50% | 3.2 | 3 | 3.9 | 30 | 202 | 57 | 9.15 | 3.3 | 2.8 | 3.8 | 4 | 3.5 | 4.3 |
| 80% | 2.2 | 2.4 | 3 | 11 | 114 | 27 | 3.88 | 1.74 | 1.4 | 2.3 | 2.8 | 2.2 | 2.6 |
| 90% | 1.8 | 2.2 | 2.6 | 5.5 | 83.6 | 16 | 2.8 | 1 | 0.9 | 2 | 2.41 | 2 | 2 |
| 95% | 1.8 | 1.6 | 2.2 | 4 | 61.8 | 12 | 1.9 | 0.7 | 0.7 | 1.9 | 2.35 | 1.8 | 1.7 |
| 99% | 1.8 | 1.6 | 2.05 | 2.6 | 42.88 | 6.4 | 1.3 | 0.4 | 0.61 | 0.9 | 2 | 1.8 | 0.721 |

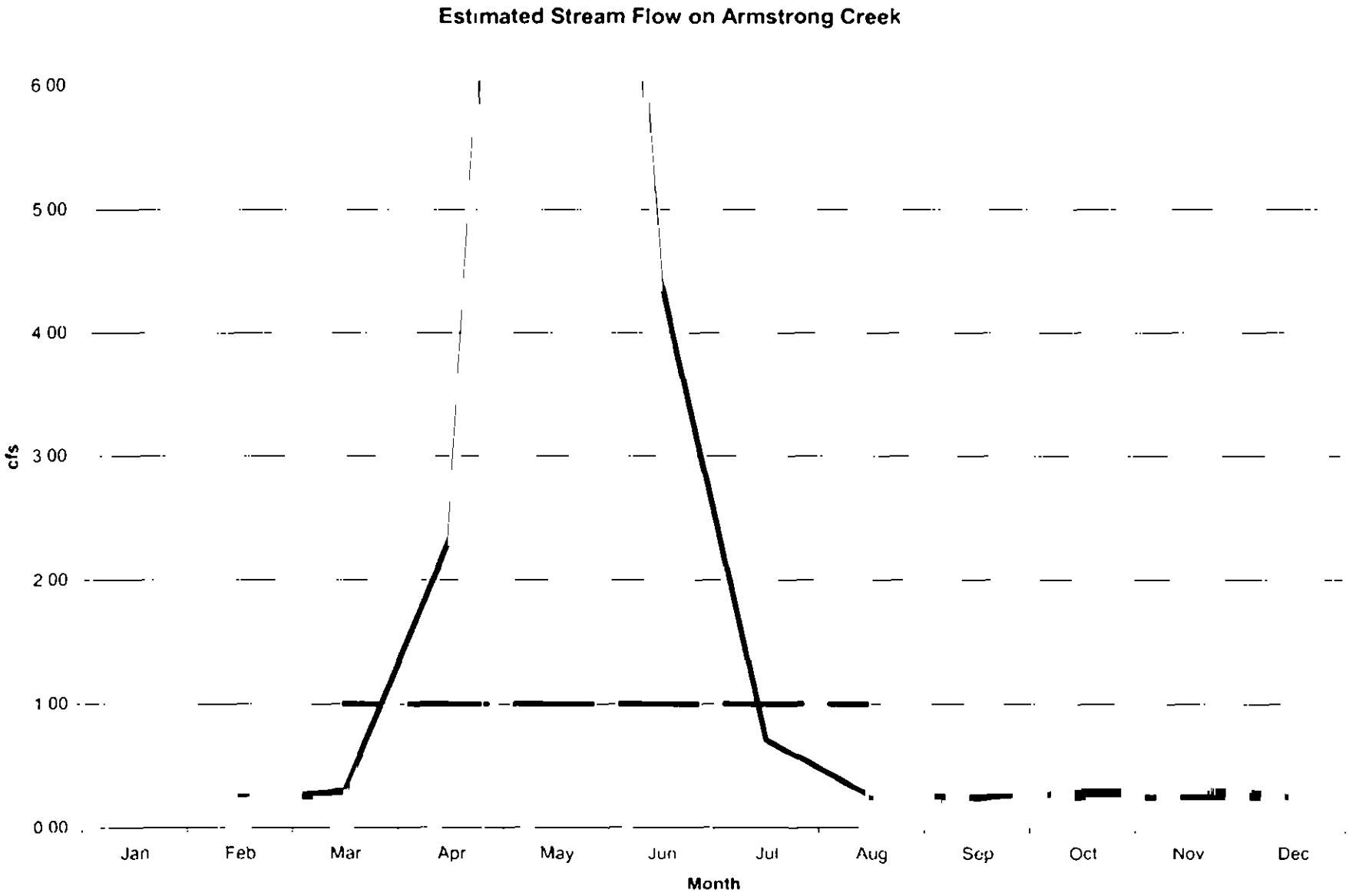
# Water Availability for Armstrong Creek Based on Stream Gage: Elkhead Creek NR Clark, CO

## Daily Mean (cfs)

| | January | February | March | April | May | June | July | August | September | October | November | December |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average (cfs) | 0.25 | 0.25 | 0.38 | 5.02 | 18.62 | 6.41 | 0.84 | 0.28 | 0.25 | 0.35 | 0.35 | 0.28 |
| Max (cfs) | 0.26 | 0.26 | 0.65 | 9.81 | 23.45 | 12.34 | 1.77 | 0.41 | 0.43 | 0.45 | 0.42 | 0.31 |
| Min (cfs) | 0.24 | 0.24 | 0.29 | 1.01 | 11.74 | 1.98 | 0.40 | 0.20 | 0.18 | 0.29 | 0.31 | 0.26 |

## Exceedence (cfs)

| Exceedence | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1% | 0.50 | 0.39 | 1.44 | 31.19 | 48.36 | 26.99 | 2.71 | 0.91 | 1.01 | 0.86 | 0.78 | 0.59 |
| 5% | 0.40 | 0.39 | 0.78 | 22.46 | 40.20 | 17.15 | 2.03 | 0.64 | 0.63 | 0.69 | 0.64 | 0.50 |
| 10% | 0.34 | 0.34 | 0.60 | 14.04 | 35.82 | 15.28 | 1.72 | 0.54 | 0.44 | 0.62 | 0.58 | 0.39 |
| 20% | 0.31 | 0.31 | 0.47 | 7.80 | 28.04 | 10.92 | 1.33 | 0.40 | 0.36 | 0.51 | 0.44 | 0.37 |
| 50% | 0.25 | 0.23 | 0.30 | 2.34 | 15.75 | 4.44 | 0.71 | 0.26 | 0.22 | 0.30 | 0.31 | 0.27 |
| 80% | 0.17 | 0.19 | 0.23 | 0.86 | 8.89 | 2.11 | 0.30 | 0.14 | 0.11 | 0.18 | 0.22 | 0.17 |
| 90% | 0.14 | 0.17 | 0.20 | 0.43 | 6.99 | 1.25 | 0.22 | 0.08 | 0.07 | 0.16 | 0.19 | 0.16 |
| 95% | 0.14 | 0.12 | 0.17 | 0.31 | 5.13 | 0.94 | 0.15 | 0.05 | 0.05 | 0.15 | 0.18 | 0.14 |
| 99% | 0.14 | 0.12 | 0.16 | 0.20 | 3.34 | 0.50 | 0.10 | 0.03 | 0.05 | 0.07 | 0.16 | 0.14 |
| | | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | |
| | 0.25 | 0.25 | 0.25 | | | | | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |


Estimated Stream Flow on Armstrong Creek
6 00
5 00
4 00
3 00
2 00
1 00
0 00
cfs
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Month

Colorado Water Conservation Board
Estimation of Natural Streamflow Characteristics
Based upon USGS WRI 85-4086

By: Francis Rentsch and Mark Mitsch | Date: 6/30/2005

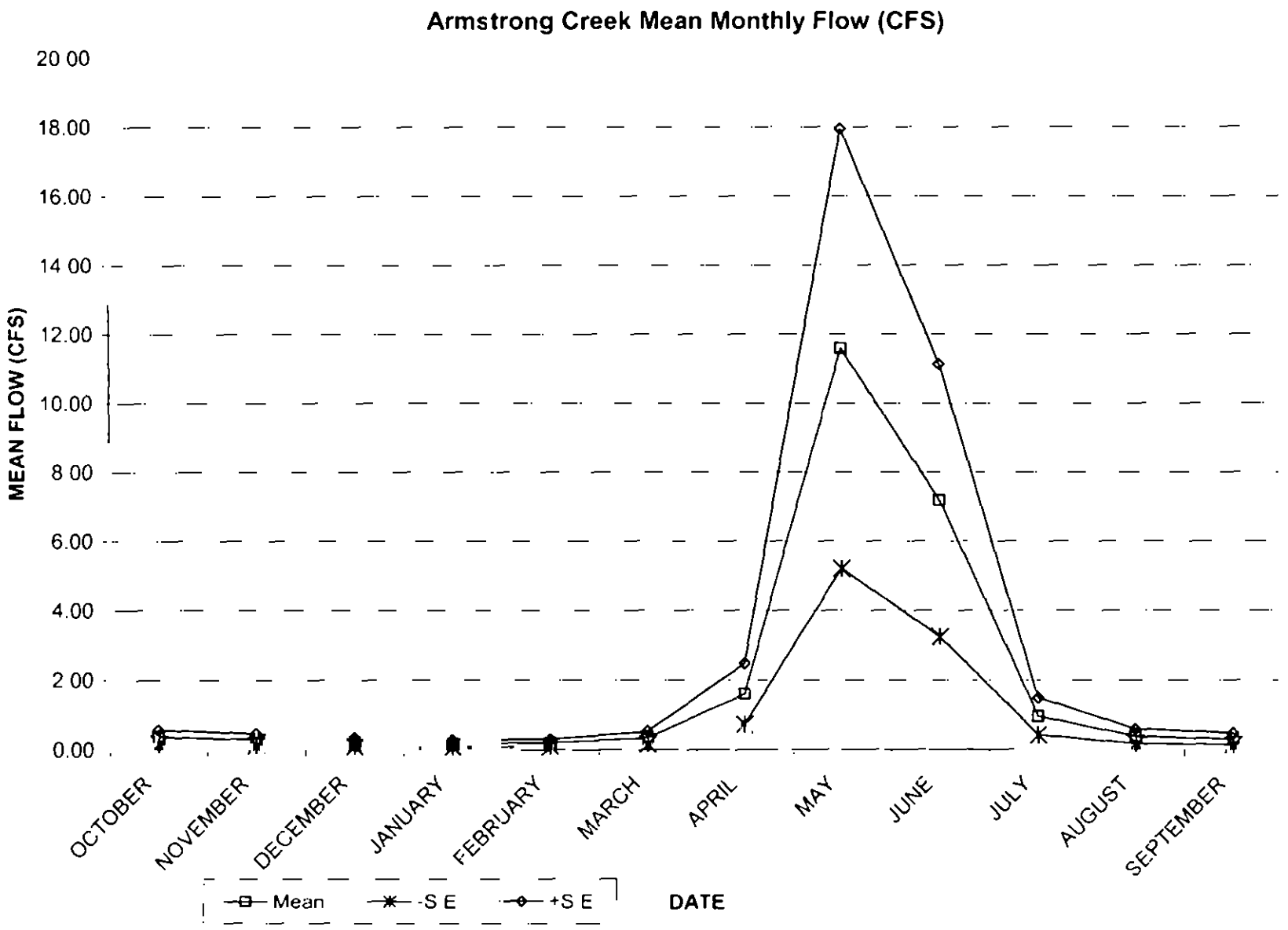
| | | | | | |
|---|---|---|---|---|---|
| STREAM | Armstrong Creek | | | BASIN AREA (MI²) | 3.54 | 3.54 |
| COUNTY | Routt | | | MEAN ELEV (FEET) | 8739 | 3739 |
| REGION | | 1 | | MEAN PPT (INCHES) | 33.4 | 23.4 |
| 1=MT,2=SW,3=NW,4=RG | | | | MEAN SLOPE (FT/FT) | 0.2107 | 0.2107 |
| CROSS-SECTION | | | | | | |
| LOCATION | | | | | | |

AVE. ANNUAL FLOW (CFS)

| PERCENT DURATION | FLOW (CFS) |
|---|---|
| 90 | 0.11 |
| 70 | 0.20 |
| 50 | 0.34 |
| 25 | 1.11 |
| 10 | 7.00 |

| | |
|---|---|
| 2-YR 7 DAY LOW FLOW (CFS) | 0.09 |
| 10-YR 7 DAY LOW FLOW (CFS) | 0.03 |
| 50-YR 7 DAY LOW FLOW (CFS) | 0.01 |

| MEAN MONTHLY FLOW | AVERAGE FLOW (CFS) | -S.E. | +S.E. |
|---|---|---|---|
| OCTOBER | 0.36 | 0.16 | 0.56 |
| NOVEMBER | 0.29 | 0.13 | 0.45 |
| DECEMBER | 0.22 | 0.10 | 0.34 |
| JANUARY | 0.18 | 0.08 | 0.29 |
| FEBRUARY | 0.19 | 0.09 | 0.30 |
| MARCH | 0.34 | 0.15 | 0.52 |
| APRIL | 1.59 | 0.72 | 2.47 |
| MAY | 11.58 | 5.21 | 17.95 |
| JUNE | 7.18 | 3.23 | 11.13 |
| JULY | 0.96 | 0.43 | 1.49 |
| AUGUST | 0.39 | 0.17 | 0.60 |
| SEPTEMBER | 0.31 | 0.14 | 0.48 |


Armstrong Creek Mean Monthly Flow (CFS)
MEAN FLOW (CFS)
20 00
18.00
16.00
14 00
12.00
10.00
8 00
6.00
4.00
2 00
0.00
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
Mean
-S E
+S E
DATE

Precipitation Data

CRAIG years 1936-1976

Station 51928 Latitude 4031 Longitude 10733 Elevation 6230

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1937 | 57 | 102 | 119 | 77 | 107 | 53 | 294 | 100 | 97 | 149 | 120 | 129 | 14 04 |
| 1938 | 29 | 65 | 180 | 107 | 279 | 120 | 20 | 146 | 159 | 34 | 185 | 60 | 13 84 |
| 1939 | 61 | 67 | 83 | 41 | 61 | 45 | 43 | 29 | 215 | 89 | 27 | 52 | 8 13 |
| 1941 | 88 | 73 | 134 | 203 | 144 | 111 | 244 | 156 | 133 | 455 | 44 | 63 | 18 48 |
| 1942 | 83 | 63 | 55 | 138 | 87 | 48 | 105 | 29 | 77 | 170 | 75 | 42 | 9 72 |
| 1943 | 42 | 61 | 101 | 91 | 164 | 211 | 11 | 156 | 6 | 114 | 27 | 71 | 10 55 |
| 1944 | 95 | 82 | 84 | 186 | 375 | 89 | 55 | 48 | 77 | 42 | 117 | 99 | 13 49 |
| 1945 | 66 | 195 | 310 | 197 | 216 | 455 | 139 | 246 | 37 | 47 | 90 | 85 | 20 83 |
| 1946 | 22 | 28 | 90 | 220 | 92 | 82 | 103 | 288 | 53 | 293 | 139 | 81 | 14 91 |
| 1947 | 61 | 101 | 79 | 203 | 110 | 334 | 145 | 167 | 142 | 202 | 86 | 106 | 17 36 |
| 1949 | 170 | 67 | 188 | 112 | 240 | 221 | 80 | 51 | 131 | 202 | 20 | 69 | 15 51 |
| 1950 | 180 | 21 | 61 | 198 | 143 | 17 | 72 | 41 | 195 | 66 | 84 | 135 | 12 13 |
| 1951 | 196 | 112 | 36 | 165 | 215 | 109 | 87 | 216 | 23 | 241 | 51 | 389 | 18 4 |
| 1952 | 160 | 58 | 170 | 118 | 223 | 158 | 67 | 138 | 9 | 0 | 39 | 82 | 12 22 |
| 1953 | 59 | 28 | 57 | 1881 | 195 | 76 | 194 | 284 | 9 | 127 | 150 | 68 | 14 35 |
| 1954 | 80 | 28 | 165 | 19 | 174 | 64 | 96 | 197 | 313 | 133 | 68 | 17 | 13 54 |
| 1955 | 93 | 127 | 26 | 36 | 62 | 41 | 59 | 271 | 126 | 117 | 155 | 86 | 11 99 |
| 1956 | 179 | 113 | 34 | 84 | 51 | 0 | 115 | 63 | 6 | 72 | 79 | 114 | 9 1 |
| 1957 | 186 | 56 | 140 | 150 | 353 | 306 | 94 | 92 | 17 | 197 | 182 | 741 | 18 47 |
| 1958 | 23 | 86 | 129 | 60 | 26 | 31 | 16 | 53 | 157 | 15 | 83 | 63 | 7 42 |
| 1959 | 57 | 89 | 81 | 112 | 50 | 205 | 82 | 187 | 231 | 213 | 54 | 45 | 14 06 |
| 1960 | 78 | 135 | 88 | 54 | 70 | 65 | 73 | 55 | 43 | 84 | 131 | 41 | 9 17 |
| 1961 | 12 | 53 | 118 | 149 | 204 | 23 | 42 | 71 | 354 | 64 | 62 | 101 | 12 53 |
| 1962 | 109 | 202 | 21 | 165 | 55 | 32 | 11 | 36 | 81 | 71 | 69 | 37 | 8 89 |
| 1963 | 31 | 42 | 106 | 246 | 16 | 112 | 55 | 309 | 121 | 58 | 91 | 54 | 12 41 |
| 1964 | 65 | 47 | 97 | 194 | 86 | 199 | 43 | 269 | 87 | 0 | 136 | 239 | 14 62 |
| 1965 | 130 | 72 | 71 | 154 | 161 | 87 | 135 | 200 | 0 | 15 | 182 | 174 | 13 81 |
| 1966 | 35 | 63 | 50 | 40 | 103 | 16 | 96 | 81 | 94 | 188 | 25 | 194 | 9 85 |
| 1967 | 86 | 69 | 121 | 92 | 252 | 197 | 200 | 163 | 105 | 87 | 85 | 206 | 16 63 |
| 1968 | 68 | 151 | 52 | 243 | 113 | 31 | 74 | 148 | 50 | 101 | 123 | 119 | 12 73 |
| 1969 | 124 | 122 | 28 | 129 | 1 | 318 | 221 | 184 | 122 | 240 | 64 | 110 | 16 63 |
| 1970 | 67 | 62 | 73 | 133 | 37 | 284 | 120 | 253 | 132 | 213 | 150 | 63 | 15 87 |
| 1971 | 152 | 111 | 71 | 102 | 174 | 4 | 7 | 23 | 98 | 150 | 81 | 132 | 11 05 |
| 1972 | 37 | 105 | 40 | 77 | 42 | 73 | 35 | 78 | 142 | 255 | 71 | 189 | 11 44 |
| 1973 | 48 | 27 | 91 | 110 | 122 | 0 | 145 | 70 | 149 | 36 | 324 | 127 | 12 49 |
| 1974 | 184 | 89 | 125 | 90 | 0 | 157 | 79 | 26 | 47 | 150 | 29 | 106 | 10 82 |
| | | | | | | | | | | | | Average | 13.26 |

Precipitation Data

| Percent of Average | Year | |
|---|---|---|
| 106% | | |
| 104% | | |
| 61% | | |
| 139% | | |
| 73% | **1942** | 73% |
| 80% | **1943** | 80% |
| 102% | **1944** | 102% |
| 157% | **1945** | 157% |
| 112% | **1946** | 112% |
| 131% | **1947** | 131% |
| 117% | **1949** | 117% |
| 91% | **1950** | 91% |
| 139% | **1951** | 139% |
| 92% | **1952** | 92% |
| 108% | **1953** | 108% |
| 102% | **1954** | 102% |
| 90% | **1955** | 90% |
| 69% | **1956** | 69% |
| 139% | **1957** | 139% |
| 56% | **1958** | 56% |
| 106% | **1959** | 106% |
| 69% | **1960** | 69% |
| 94% | **1961** | 94% |
| 67% | **1962** | 67% |
| 94% | **1963** | 94% |
| 110% | **1964** | 110% |
| 104% | **1965** | 104% |
| 74% | **1966** | 74% |
| 125% | **1967** | 125% |
| 96% | **1968** | 96% |
| 125% | **1969** | 125% |
| 120% | **1970** | 120% |
| 83% | **1971** | 83% |
| 86% | **1972** | 86% |
| 94% | **1973** | 94% |
| 82% | **Average** | **100%** |
| **Average** | | |
| **100%** | | |

# APPENDIX – D
## Diversion Records

| WD | ID | WRNAME | STRTYPE | WRSTRNO | WRSTRNAME | CTY | Q10 | Q40 | Q160 | SEC | TS | RNG | PM | USETYPE | DCRAMT | DCRUNITS | ADJTYPE | ADJDATE | PADJDATE | APRODATE | ORDNO | ADMINNO | PRIORNO | CANO | SEQNO | PLANS | ALTERID | COMMENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 841 | PITNEY DITCH NO 1 | 1 | 88 | BRADBURN DRAW | 54 | | NE | NE | 12 | 7 N | 89 W | S | 1 | 0.9000 | C | S | 05/30/1972 | 09/01/1960 | 05/17/1965 | 0 | 42140.00000 | 51 | CA2259 | 1 | | 0 | |
| 44 | 1073 | HUDACK SPG NO 1 | 4 | 112 | BROWNS GULCH | 41 | | NE | SW | 5 | 7 N | 89 W | S | 890 | 0.0111 | C | S | 12/31/1974 | 12/31/1973 | 06/01/1936 | 0 | 45290.31563 | | W0745-74 | 1 | | 0 | |
| 44 | 1074 | HUDACK SPG NO 2 | 4 | 112 | BROWNS GULCH | 41 | | SW | SW | 5 | 7 N | 89 W | S | 890 | 0.0178 | C | S | 12/31/1974 | 12/31/1973 | 07/01/1962 | 0 | 45290.41089 | | W0745-74 | 1 | | 0 | |
| 44 | 3926 | MALBURG POND | 3 | 112 | BROWNS GULCH | 41 | | NW | NE | 9 | 7 N | 89 W | S | 19 | 2.2000 | A | S | 12/31/1975 | 12/31/1974 | 04/15/1974 | 0 | 45655.45395 | | W0892-75 | 1 | | 0 | |
| 44 | 1083 | MALBURG DITCH NO 1 | 1 | 112 | BROWNS GULCH | 41 | | SE | NW | 9 | 7 N | 89 W | S | 19 | 0.6000 | C | S,C | 12/31/1975 | 12/31/1974 | 08/19/1975 | 0 | 45886.00000 | | W0893-75 | 1 | | 0 | |
| 44 | 1083 | MALBURG DITCH NO 1 | 1 | 112 | BROWNS GULCH | 41 | | SE | NW | 9 | 7 N | 89 W | S | 19 | 0.5000 | C | S,CA | 12/31/1975 | 12/31/1974 | 08/19/1975 | 0 | 45886.00000 | | 79CW0180 | 2 | | 0 | |
| 44 | 1084 | MALBURG DITCH NO 2 | 1 | 112 | BROWNS GULCH | 41 | | SE | NW | 9 | 7 N | 89 W | S | 19 | 0.7000 | C | S,C | 12/31/1975 | 12/31/1974 | 08/19/1975 | 0 | 45886.00000 | | W0893-75 | 1 | | 0 | |
| 44 | 1084 | MALBURG DITCH NO 2 | 1 | 112 | BROWNS GULCH | 41 | | SE | NW | 9 | 7 N | 89 W | S | 19 | 0.5000 | C | S,CA | 12/31/1975 | 12/31/1974 | 08/19/1975 | 0 | 45886.00000 | | 79CW0180 | 2 | | 0 | |
| 44 | 1686 | HUDACK SPRING 9 | 4 | 112 | BROWNS GULCH | 41 | | SE | SW | 4 | 7 N | 89 W | S | 9W | 0.0330 | C | S | 12/31/1999 | 12/31/1998 | 06/25/1995 | 0 | 54421.53136 | | 99CW0046 | 1 | | 0 | |
| 44 | 1684 | HUDACK SPRING 8 | 4 | 112 | BROWNS GULCH | 41 | | SW | SW | 4 | 7 N | 89 W | S | 9W | 0.0330 | C | S | 12/31/1999 | 12/31/1998 | 07/30/1998 | 0 | 54421.54267 | | 99CW0046 | 1 | | 0 | |
| 44 | 4711 | HUDACK HOMESTEAD RESERVOIR | 3 | 112 | BROWNS GULCH | 41 | | NE | SE | 5 | 7 N | 89 W | S | 9W | 0.5000 | A | S | 12/31/2002 | 12/31/2001 | 06/15/1971 | 0 | 55517.44360 | | 02CW0038 | 1 | | 0 | |
| 44 | 6117 | MEINHOLD WELL | 2 | 85 | BUCK GULCH | 54 | | NW | NE | 7 | 7 N | 88 W | S | 18 | 0.0330 | C | S,TT | 05/30/1972 | 09/01/1960 | 10/25/1960 | 0 | 40475.00000 | 39 | 79CW0076 | 1 | | 4400843 | TF PITNEY #3 |
| 44 | 843 | PITNEY DITCH NO 3 | 1 | 85 | BUCK GULCH | 54 | | NW | NE | 7 | 7 N | 88 W | S | 1 | 1.2000 | C | S | 05/30/1972 | 09/01/1960 | 10/25/1960 | 0 | 40475.00000 | 39 | CA2259 | 1 | | 0 | |
| 44 | 843 | PITNEY DITCH NO 3 | 1 | 85 | BUCK GULCH | 54 | | NW | NE | 7 | 7 N | 88 W | S | 18 | 0.0330 | C | S,TF | 05/30/1972 | 09/01/1960 | 10/25/1960 | 0 | 40475.00000 | 39 | 79CW0076 | 2 | | 4406117 | TT MEINHOLD WELL |
| 44 | 6118 | PAUL MOORE WELL | 2 | 85 | BUCK GULCH | 54 | | SW | NW | 8 | 7 N | 88 W | S | 89 | 0.0110 | C | O | 12/31/1980 | | 12/31/1971 | 0 | 44559.00000 | | 80CW0038 | 1 | | 0 | |
| 44 | 796 | BUCK GULCH DITCH | 1 | 85 | BUCK GULCH | 54 | | NW | SW | 8 | 7 N | 88 W | S | 189 | 1.0000 | C | S | 12/31/1972 | 12/31/1971 | 05/01/1935 | 0 | 44559.31166 | | W0274-72 | 1 | | 0 | |
| 44 | 796 | BUCK GULCH DITCH | 1 | 85 | BUCK GULCH | 54 | | NW | SW | 8 | 7 N | 88 W | S | 189 | 1.0000 | C | S,AB | 12/31/1972 | 12/31/1971 | 05/01/1935 | 0 | 44559.31166 | | 91CW0116 | 2 | | 0 | |
| 44 | 1078 | ZEHNER SPG SITE C | 4 | 85 | BUCK GULCH | 54 | | NW | SW | 28 | 7 N | 88 W | S | 9 | 0.0400 | C | S | 12/31/1974 | 12/31/1973 | 07/01/1900 | 0 | 45290.18444 | | W0738-74 | 1 | | 0 | |
| 44 | 1077 | ZEHNER SPG SITE B | 4 | 85 | BUCK GULCH | 54 | | NE | SW | 28 | 7 N | 88 W | S | 9 | 0.0300 | C | S | 12/31/1974 | 12/31/1973 | 09/01/1900 | 0 | 45290.18506 | | W0735-74 | 1 | | 0 | |
| 44 | 884 | SOUTH SPRING | 4 | 85 | BUCK GULCH | 54 | | SE | NE | 7 | 7 N | 88 W | S | 89 | 0.0330 | C | S | 12/31/1978 | 12/31/1977 | 07/01/1977 | 0 | 46751.46568 | | W1474-78 | 1 | | 0 | |
| 44 | 2046 | MIDDLE SPG | 4 | 85 | BUCK GULCH | 54 | | NE | NE | 7 | 7 N | 88 W | S | 89 | 0.0330 | C | S,C | 12/31/1978 | 12/31/1977 | 08/24/1978 | 0 | 46987.00000 | | W1474-78 | 1 | | 0 | |
| 44 | 2046 | MIDDLE SPG | 4 | 85 | BUCK GULCH | 54 | | NE | NE | 7 | 7 N | 88 W | S | 89 | 0.0330 | C | S,CA | 12/31/1978 | 12/31/1977 | 08/24/1978 | 0 | 46987.00000 | | 82CW0194 | 2 | | 0 | |
| 44 | 2047 | NORTH SPG | 4 | 85 | BUCK GULCH | 54 | | NW | NE | 7 | 7 N | 88 W | S | 89 | 0.0330 | C | S,C | 12/31/1978 | 12/31/1977 | 08/24/1978 | 0 | 46987.00000 | | W1474-78 | 1 | | 0 | |
| 44 | 2047 | NORTH SPG | 4 | 85 | BUCK GULCH | 54 | | NW | NE | 7 | 7 N | 88 W | S | 89 | 0.0330 | C | S,C,AB | 12/31/1978 | 12/31/1977 | 08/24/1978 | 0 | 46987.00000 | | W1474-78 | 2 | | 0 | ABANDONED .033CFS |
| 44 | 6118 | PAUL MOORE WELL | 2 | 85 | BUCK GULCH | 54 | | SW | NW | 8 | 7 N | 88 W | S | 89 | 0.0220 | C | O,C | 12/31/1980 | | 05/07/1980 | 0 | 47609.00000 | | 80CW0038 | 2 | | 0 | |
| 44 | 6118 | PAUL MOORE WELL | 2 | 85 | BUCK GULCH | 54 | | SW | NW | 8 | 7 N | 88 W | S | 89 | 0.0220 | C | O,CA | 12/31/1980 | | 05/07/1980 | 0 | 47609.00000 | | 84CW0103 | 3 | | 0 | |
| 44 | 3425 | MIDDLE RES | 3 | 85 | BUCK GULCH | 54 | | SW | NW | 8 | 7 N | 88 W | S | 9 | 5.4000 | A | S | 12/31/1982 | 12/31/1981 | 08/01/1946 | 0 | 48212.35276 | | 82CW0193 | 1 | | 0 | |
| 44 | 2010 | HOWE DITCH | 1 | 110 | CALF CK | 54 | | NE | NE | 15 | 8 N | 88 W | S | 1 | 4.0000 | C | S,TF | 12/31/1975 | 12/31/1974 | 07/21/1975 | 0 | 45857.00000 | | 82CW0206 | 1 | | 4400700 | TT MCKINLAY D #2 |
| 44 | 2010 | HOWE DITCH | 1 | 110 | CALF CK | 54 | | NE | NE | 15 | 8 N | 88 W | S | 1 | 4.0000 | C | S | 12/31/1975 | 12/31/1974 | 07/21/1975 | 0 | 45857.00000 | | W0852-75 | 2 | | 0 | |
| 44 | 2011 | HOWE SPG NO 1 | 4 | 110 | CALF CK | 54 | | NW | NW | 15 | 8 N | 88 W | S | 9 | 0.2000 | C | S,C | 12/31/1976 | 12/31/1975 | 01/21/1976 | 0 | 46041.00000 | | W0947-76 | 1 | | 0 | |
| 44 | 2011 | HOWE SPG NO 1 | 4 | 110 | CALF CK | 54 | | NW | NW | 15 | 8 N | 88 W | S | 9 | 0.2000 | C | S,CA | 12/31/1976 | 12/31/1975 | 01/21/1976 | 0 | 46041.00000 | | 81CW0212 | 2 | | 0 | |
| 44 | 2012 | HOWE SPG NO 2 | 4 | 110 | CALF CK | 54 | | NE | NW | 15 | 8 N | 88 W | S | 9 | 0.2000 | C | S,C | 12/31/1976 | 12/31/1975 | 01/21/1976 | 0 | 46041.00000 | | W0947-76 | 1 | | 0 | |
| 44 | 2012 | HOWE SPG NO 2 | 4 | 110 | CALF CK | 54 | | NE | NW | 15 | 8 N | 88 W | S | 9 | 0.2000 | C | S,CA | 12/31/1976 | 12/31/1975 | 01/21/1976 | 0 | 46041.00000 | | 79CW0184 | 2 | | 0 | |
| 44 | 2013 | HOWE SPG NO 3 | 4 | 110 | CALF CK | 54 | | NE | NW | 15 | 8 N | 88 W | S | 9 | 0.2000 | C | S,C | 12/31/1976 | 12/31/1975 | 01/21/1976 | 0 | 46041.00000 | | W0947-76 | 1 | | 0 | |
| 44 | 2013 | HOWE SPG NO 3 | 4 | 110 | CALF CK | 54 | | NE | NW | 15 | 8 N | 88 W | S | 9 | 0.2000 | C | S,CA | 12/31/1976 | 12/31/1975 | 01/21/1976 | 0 | 46041.00000 | | 82CW0204 | 2 | | 0 | |
| 44 | 2084 | HOUSE SPG | 4 | 110 | CALF CK | 41 | | NE | SW | 20 | 7 N | 89 W | S | 8 | 0.0330 | C | S | 12/31/1980 | 12/31/1979 | 06/12/1942 | 0 | 47481.33765 | | 80CW0114 | 1 | | 0 | |
| 44 | 3742 | RAFTOPOULOS Q MTN RES 1 | 3 | 110 | CALF CK | 54 | | NE | NW | 7 | 8 N | 87 W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/15/1967 | 0 | 48577.42899 | | 83CW0175 | 1 | | 0 | |
| 44 | 3743 | RAFTOPOULOS Q MTN RES 2 | 3 | 110 | CALF CK | 54 | | SW | SW | 6 | 8 N | 87 W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/20/1967 | 0 | 48577.42904 | | 83CW0175 | 1 | | 0 | |
| 44 | 3744 | RAFTOPOULOS Q MTN RES 3 | 3 | 110 | CALF CK | 54 | | NW | SE | 5 | 8 N | 87 W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/25/1967 | 0 | 48577.42909 | | 83CW0175 | 1 | | 0 | |
| 44 | 3745 | RAFTOPOULOS Q MTN RES 4 | 3 | 110 | CALF CK | 54 | | NE | SW | 5 | 8 N | 87 W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/30/1967 | 0 | 48577.42914 | | 83CW0175 | 1 | | 0 | |
| 44 | 3748 | RAFTOPOULOS Q MTN RES 5 | 3 | 110 | CALF CK | 54 | | NW | NE | 6 | 8 N | 87 W | S | 9 | 1.0000 | A | S,C | 12/31/1983 | 12/31/1982 | 11/16/1983 | 0 | 48897.00000 | | 83CW0175 | 1 | | 0 | |
| 44 | 3748 | RAFTOPOULOS Q MTN RES 5 | 3 | 110 | CALF CK | 54 | | NW | NE | 6 | 8 N | 87 W | S | 9 | 1.0000 | A | S,C,AB | 12/31/1983 | 12/31/1982 | 11/16/1983 | 0 | 48897.00000 | | 83CW0175 | 2 | | 0 | ABANDONED 1 CFS 12/31/1988 |
| 44 | 1267 | ROBIN SPRING 1 | 4 | 110 | CALF CK | 54 | | SW | NW | 7 | 8 N | 87 W | S | 9 | 0.0220 | C | S | 12/31/1988 | 12/31/1987 | 06/20/1978 | 0 | 50403.46922 | | 88CW0002 | 1 | | 0 | |
| 44 | 4186 | DOROGY LOWER POND #1 | 3 | 110 | CALF CK | 54 | | NE | SW | 5 | 8 N | 87 W | S | 5W | 1.0000 | A | S | 12/31/1994 | 12/31/1993 | 09/30/1991 | 0 | 52595.51772 | | 94CW0119 | 1 | | 0 | |
| 44 | 4187 | DOROGY LOWER POND #2 | 3 | 110 | CALF CK | 54 | | NE | SW | 5 | 8 N | 87 W | S | 5W | 0.5000 | A | S | 12/31/1994 | 12/31/1993 | 09/30/1991 | 0 | 52595.51772 | | 94CW0119 | 1 | | 0 | |
| 44 | 5071 | BRUCE WELL #1 | 2 | 110 | CALF CK | 54 | | SE | SE | 6 | 8 N | 87 W | S | 8 | 0.0330 | C | S | 12/31/1994 | 12/31/1993 | 06/01/1994 | 0 | 52747.00000 | | 94CW0046 | 1 | | 0 | WELL PERMIT #183910. DECREED NAME - BRUCE SPRING #1 |
| 44 | 1838 | ASPEN GLEN SPRING | 4 | 110 | CALF CK | 41 | | NE | NW | 13 | 8 N | 88 W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 07/01/1974 | 0 | 53325.45472 | | 96CW0060 | 1 | | 0 | |
| 44 | 1840 | ISADORA SPRING | 4 | 110 | CALF CK | 41 | | SW | NW | 13 | 8 N | 88 W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 07/01/1974 | 0 | 53325.45472 | | 96CW0060 | 1 | | 0 | |
| 44 | 1841 | JONES DRAW SPRING #1 | 4 | 110 | CALF CK | 41 | | NE | NW | 11 | 8 N | 88 W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 07/01/1974 | 0 | 53325.45472 | | 96CW0060 | 1 | | 0 | |
| 44 | 1842 | JONES DRAW SPRING #2 | 4 | 110 | CALF CK | 41 | | SW | NE | 11 | 8 N | 88 W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 07/01/1974 | 0 | 53325.45472 | | 96CW0060 | 1 | | 0 | |
| 44 | 2068 | CIRCLE CREEK MSF | 0 | 118 | CIRCLE CK | 54 | | NE | NE | 30 | 10 N | 87 W | S | M | 1.0000 | C | S | 12/31/1977 | 12/31/1976 | 09/23/1977 | 0 | 46652.00000 | | W1344-77 | 1 | | 0 | HEADWATERS TO ELKHEAD CR |
| 44 | 3720 | PITNEY RESERVOIR | 3 | 87 | CORRAL GULCH | 54 | | NW | NW | 7 | 7 N | 88 W | S | 1 | 11.2300 | A | S,C | 05/30/1972 | 09/01/1960 | 07/06/1964 | 0 | 41825.00000 | 49 | CA2259 | 1 | | 0 | |
| 44 | 3720 | PITNEY RESERVOIR | 3 | 87 | CORRAL GULCH | 54 | | NW | NW | 7 | 7 N | 88 W | S | 1 | 11.2300 | A | S,C,AB | 05/30/1972 | 09/01/1960 | 07/06/1964 | 0 | 41825.00000 | 49 | 84CW0071 | 2 | | 0 | |
| 44 | 842 | PITNEY DITCH NO 2 | 1 | 87 | CORRAL GULCH | 54 | | NW | SE | 18 | 7 N | 88 W | S | 1 | 1.1400 | C | S | 05/30/1972 | 09/01/1960 | 05/17/1965 | 0 | 42140.00000 | 51A | CA2259 | 1 | | 0 | |
| 44 | 1080 | ZEHNER SPG SITE E | 4 | 87 | CORRAL GULCH | 54 | | SW | SE | 29 | 7 N | 88 W | S | 19 | 0.0600 | C | S | 12/31/1974 | 12/31/1973 | 04/01/1910 | 0 | 45290.22005 | | W0737-74 | 1 | | 0 | |
| 44 | 2091 | KITCHENS SPG NO 1 | 4 | 87 | CORRAL GULCH | 54 | | SE | SW | 29 | 7 N | 88 W | S | 891 | 0.0330 | C | S | 12/31/1979 | 12/31/1978 | 06/01/1948 | 0 | 47116.35946 | | 79CW0208 | 1 | | 0 | |
| 44 | 2092 | KITCHENS SPG NO 2 | 4 | 87 | CORRAL GULCH | 54 | | NE | SW | 29 | 7 N | 88 W | S | 891 | 0.0330 | C | S | 12/31/1979 | 12/31/1978 | 06/01/1969 | 0 | 47116.43616 | | 79CW0208 | 1 | | 0 | |
| 44 | 2055 | BEEZLEY SPG & POND | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 29 | 7 N | 88 W | S | 89 | 0.0330 | C | S | 12/31/1979 | 12/31/1978 | 06/18/1979 | 0 | 47285.00000 | | 79CW0094 | 1 | | 0 | |
| 44 | 2053 | ALL SEASONS SPG NO 4 | 4 | 87 | CORRAL GULCH | 54 | | NW | NE | 18 | 7 N | 88 W | S | 9 | 0.0110 | C | S | 12/31/1980 | 12/31/1979 | 08/31/1960 | 0 | 47481.40429 | | 80CW0092 | 1 | | 0 | |
| 44 | 2051 | ALL SEASONS SPG NO 2 | 4 | 87 | CORRAL GULCH | 54 | | NE | SW | 7 | 7 N | 88 W | S | 9 | 0.0110 | C | S | 12/30/1980 | 12/31/1979 | 08/31/1961 | 0 | 47481.40785 | | 80CW0092 | 1 | | 0 | |
| 44 | 2052 | ALL SEASONS SPG NO 3 | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 7 | 7 N | 88 W | S | 9 | 0.0110 | C | S | 12/31/1980 | 12/31/1979 | 08/31/1961 | 0 | 47481.40785 | | 80CW0092 | 1 | | 0 | |
| 44 | 2099 | PITNEY DITCH NO 4 | 1 | 87 | CORRAL GULCH | 54 | | SW | NW | 7 | 7 N | 88 W | S | 19 | 0.0670 | C | S | 12/31/1980 | 12/31/1979 | 05/17/1965 | 0 | 47481.42140 | | 80CW0119 | 1 | | 0 | |
| 44 | 2073 | FORSYTH PUMP | 8 | 87 | CORRAL GULCH | 54 | | SW | SW | 29 | 7 N | 88 W | S | 189 | 0.0330 | C | S,C | 12/31/1980 | 12/31/1979 | 07/01/1972 | 0 | 47481.44742 | | 80CW0031 | 1 | | 0 | |
| 44 | 2073 | FORSYTH PUMP | 8 | 87 | CORRAL GULCH | 54 | | SW | SW | 29 | 7 N | 88 W | S | 189 | 0.0330 | C | S,C,AB | 12/31/1980 | 12/31/1979 | 07/01/1972 | 0 | 47481.44742 | | 80CW0031 | 2 | | 0 | ABANDONED .033 CFS |
| 44 | 2074 | FORSYTH SPG | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 29 | 7 N | 88 W | S | 189 | 0.0330 | C | S,C | 12/31/1980 | 12/31/1979 | 07/01/1972 | 0 | 47481.44742 | | 80CW0031 | 1 | | 0 | |
| 44 | 2074 | FORSYTH SPG | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 29 | 7 N | 88 W | S | 189 | 0.0330 | C | S,C,AB | 12/31/1980 | 12/31/1979 | 07/01/1972 | 0 | 47481.44742 | | 80CW0031 | 2 | | 0 | ABANDONED .033 CFS |
| 44 | 2050 | ALL SEASONS SPG NO 1 | 4 | 87 | CORRAL GULCH | 54 | | SW | NW | 7 | 7 N | 88 W | S | 9 | 0.0160 | C | S | 12/31/1980 | 12/31/1979 | 08/31/1977 | 0 | 47481.46629 | | 80CW0092 | 1 | | 0 | |
| 44 | 2054 | ALL SEASONS SPG NO 5 | 4 | 87 | CORRAL GULCH | 54 | | NW | NE | 18 | 7 N | 88 W | S | 891 | 0.0110 | C | S,C | 12/31/1980 | 12/31/1979 | 07/07/1980 | 0 | 47670.00000 | | 80CW0092 | 1 | | 0 | |
| 44 | 2054 | ALL SEASONS SPG NO 5 | 4 | 87 | CORRAL GULCH | 54 | | NW | NE | 18 | 7 N | 88 W | S | 891 | 0.0110 | C | S,C,AB | 12/31/1980 | 12/31/1979 | 07/07/1980 | 0 | 47670.00000 | | 80CW0092 | 2 | | 0 | ABANDONED .011 CFS |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 2082 | HOLLOWAY SPG | 4 | 87 | CORRAL GULCH | 54 | | NE | NW | 29 | 7 | N | 88 | W | S | 89 | 0.0450 | C | S,CA | 12/31/1980 | 12/31/1979 | 12/18/1980 | 0 | 47834.00000 | | 85CW0043 | 2 | | 0 | |
| 44 | 2082 | HOLLOWAY SPG | 4 | 87 | CORRAL GULCH | 54 | | NE | NW | 29 | 7 | N | 88 | W | S | 89 | 0.0450 | C | S,C | 12/31/1980 | 12/31/1979 | 12/18/1980 | 0 | 47834.00000 | | 80CW0225 | 1 | | 0 | |
| 44 | 2124 | DAWSON SPRING | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 18 | 7 | N | 88 | W | S | 89 | 0.0050 | C | S | 12/31/1981 | 12/31/1980 | 08/01/1960 | 0 | 47847.40390 | | 81CW0094 | 1 | | 0 | |
| 44 | 2178 | CASTER NO 1 SPG | 4 | 87 | CORRAL GULCH | 54 | | NW | NE | 18 | 7 | N | 88 | W | S | 189 | 0.0330 | C | S | 12/31/1981 | 12/31/1980 | 05/11/1981 | 0 | 47978.00000 | | 81CW0132 | 1 | | 0 | |
| 44 | 2179 | CASTER SP. 2 | 4 | 87 | CORRAL GULCH | 54 | | NW | NE | 18 | 7 | N | 88 | W | S | 189 | 0.0330 | C | S | 12/31/1981 | 12/31/1980 | 05/11/1981 | 0 | 47978.00000 | | 81CW0132 | 1 | | 0 | |
| 44 | 2168 | HOCKADAY SPRING | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 29 | 7 | N | 88 | W | S | 9 | 0.0330 | C | S | 12/31/1981 | 12/31/1980 | 09/12/1981 | 0 | 48102.00000 | | 81CW0323 | 1 | | 0 | |
| 44 | 1269 | HOCKADAY SPRING 2 | 4 | 87 | CORRAL GULCH | 54 | | SW | NE | 12 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1988 | 12/31/1987 | 06/01/1988 | 0 | 50556.00000 | | 88CW0058 | 1 | | 0 | |
| 44 | 4003 | CATTAIL POND | 3 | 87 | CORRAL GULCH | 54 | | SW | SW | 29 | 7 | N | 88 | W | S | 19 | 3.0000 | A | S | 12/31/1990 | 12/31/1989 | 04/01/1952 | 0 | 51134.37346 | | 90CW0073 | 1 | | 0 | WATER IS PUMPED FROM POND TO A METAL TANK FOR IRRIGATION USE |
| 44 | 1336 | HOCKADAY SPRING NO 3 | 4 | 87 | CORRAL GULCH | 54 | | NE | SW | 29 | 7 | N | 88 | W | S | 9 | 0.0330 | C | S | 12/31/1990 | 12/31/1989 | 04/02/1990 | 0 | 51226.00000 | | 90CW0038 | 1 | | 0 | ORIGINATES ON COUNTY LAND IN BARROW PIT AND FLOWS ON TO APPLICANT |
| 44 | 1360 | DITTO SPRING | 4 | 87 | CORRAL GULCH | 54 | | NE | NW | 29 | 7 | N | 88 | W | S | 9 | 0.0070 | C | S | 12/31/1990 | 12/31/1989 | 10/19/1990 | 0 | 51426.00000 | | 90CW0136 | 1 | | 0 | |
| 44 | 1369 | HAYES SPRING | 4 | 87 | CORRAL GULCH | 54 | | NW | NW | 32 | 7 | N | 88 | W | S | 9 | 0.0330 | C | S | 12/31/1991 | 12/31/1990 | 10/31/1989 | 0 | 51499.51073 | | 91CW0042 | 1 | | 0 | |
| 44 | 1582 | PITNEY SPRING # 1 | 4 | 87 | CORRAL GULCH | 54 | | NW | SE | 18 | 7 | N | 88 | W | S | 19 | 0.0111 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1583 | PITNEY SPRING # 2 | 4 | 87 | CORRAL GULCH | 54 | | NE | SW | 18 | 7 | N | 88 | W | S | 19 | 0.0222 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1584 | PITNEY SPRING # 3 | 4 | 87 | CORRAL GULCH | 54 | | NE | SW | 18 | 7 | N | 88 | W | S | 19 | 0.0222 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1585 | PITNEY SPRING # 4 | 4 | 87 | CORRAL GULCH | 54 | | NE | SW | 18 | 7 | N | 88 | W | S | 19 | 0.0222 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1586 | PITNEY SPRING # 5 | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0222 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1587 | PITNEY SPRING # 6 | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0222 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1588 | PITNEY SPRING # 7 | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0222 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1589 | PITNEY SPRING # 8 | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0222 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1590 | PITNEY SPRING # 9 | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0222 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1591 | PITNEY SPRING #10 | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0222 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1592 | PITNEY SPRING #11 | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0222 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1593 | PITNEY SPRING #12 | 4 | 87 | CORRAL GULCH | 54 | | NW | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0022 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1594 | PITNEY SPRING #13 | 4 | 87 | CORRAL GULCH | 54 | | NW | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0022 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1595 | PITNEY SPRING #14 | 4 | 87 | CORRAL GULCH | 54 | | NW | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1596 | PITNEY SPRING #15 | 4 | 87 | CORRAL GULCH | 54 | | NW | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0111 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1597 | PITNEY SPRING #16 | 4 | 87 | CORRAL GULCH | 54 | | NW | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0022 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1598 | PITNEY SPRING #17 | 4 | 87 | CORRAL GULCH | 54 | | NW | NW | 18 | 7 | N | 88 | W | S | 19 | 0.0022 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1599 | PITNEY SPRING #18 | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1600 | PITNEY SPRING #19 | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1601 | PITNEY SPRING #20 | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1602 | PITNEY SPRING #21 | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1603 | PITNEY SPRING #22 | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1604 | PITNEY SPRING #23 | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1605 | PITNEY SPRING #24 | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1606 | PITNEY SPRING #25 | 4 | 87 | CORRAL GULCH | 54 | | SW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1607 | PITNEY SPRING #26 | 4 | 87 | CORRAL GULCH | 54 | | NW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1608 | PITNEY SPRING #27 | 4 | 87 | CORRAL GULCH | 54 | | NW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1609 | PITNEY SPRING #28 | 4 | 87 | CORRAL GULCH | 54 | | NW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1610 | PITNEY SPRING #29 | 4 | 87 | CORRAL GULCH | 54 | | NW | SW | 7 | 7 | N | 88 | W | S | 19 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1611 | PITNEY SPRING #30 | 4 | 87 | CORRAL GULCH | 54 | | SE | SE | 12 | 7 | N | 89 | W | S | 9 | 0.0022 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1612 | PITNEY SPRING #31 | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 7 | 7 | N | 88 | W | S | 9 | 0.0022 | C | S | 12/31/1994 | 12/31/1993 | 06/20/1966 | 0 | 52595.42539 | | 94CW0083 | 1 | | 0 | |
| 44 | 1733 | REEDY SPRING | 4 | 87 | CORRAL GULCH | 54 | | SE | NW | 29 | 7 | N | 88 | W | S | 9 | 0.0100 | C | S | 12/31/1995 | 12/31/1994 | 11/23/1995 | 0 | 53287.00000 | | 96CW0001 | 1 | | 0 | |
| 44 | 4498 | SIMPSON POND | 3 | 87 | CORRAL GULCH | 54 | | NE | SW | 29 | 7 | N | 88 | W | S | 1 | 1.0000 | A | S | 12/31/1999 | 12/31/1998 | 08/15/1994 | 0 | 54421.52822 | | 99CW0012 | 1 | | 0 | |
| 44 | 4628 | MORGAN CK FEEDER D 1 | 1 | 132 | COTTONWOOD GULCH | 54 | | SE | SE | 28 | 8 | N | 87 | W | S | 1 | 0.5000 | C | S | 06/23/1914 | 06/19/1914 | 10/14/1908 | 0 | 23545.21471 | 83AA | | 1 | | 0 | WATER DIVERTED TO WD 57 |
| 44 | 1323 | KAWCAK SPRING 1 | 4 | 132 | COTTONWOOD GULCH | 41 | | SE | NE | 21 | 8 | N | 89 | W | S | 8 | 0.0022 | C | S,C | 12/31/1990 | 12/31/1989 | 05/10/1989 | 0 | 51134.50899 | | 90CW0002 | 2 | | 0 | |
| 44 | 1323 | KAWCAK SPRING 1 | 4 | 132 | COTTONWOOD GULCH | 41 | | SE | NE | 21 | 8 | N | 89 | W | S | 9 | 0.0022 | C | S | 12/31/1990 | 12/31/1989 | 05/10/1989 | 0 | 51134.50899 | | 90CW0002 | 1 | | 0 | |
| 44 | 725 | OLDHAM D NO 2 | 1 | 77 | DRY FORK | 54 | | NE | SW | 19 | 8 | N | 87 | W | S | 1 | 2.0000 | C | S | 09/24/1904 | 09/19/1904 | 06/07/1901 | 0 | 19985.18785 | 67A | | 1 | | 0 | |
| 44 | 717 | MURPHY DITCH NO 1 | 1 | 77 | DRY FORK | 54 | | SE | NW | 35 | 8 | N | 88 | W | S | 1 | 0.5000 | C | S | 06/22/1909 | 10/08/1908 | 08/10/1902 | 0 | 21465.19214 | 73-3A | | 1 | | 0 | |
| 44 | 717 | MURPHY DITCH NO 1 | 1 | 77 | DRY FORK | 54 | | SE | NW | 35 | 8 | N | 88 | W | S | 1 | 0.5000 | C | S,AB | 06/22/1909 | 10/08/1908 | 08/10/1902 | 0 | 21465.19214 | 73-3A | 91CW0116 | 3 | | 0 | |
| 44 | 718 | MURPHY DITCH NO 2 | 1 | 77 | DRY FORK | 54 | | SW | SW | 35 | 8 | N | 88 | W | S | 1 | 2.6600 | C | S | 06/22/1909 | 10/08/1908 | 08/10/1902 | 0 | 21465.19214 | 73-4A | | 1 | | 0 | |
| 44 | 718 | MURPHY DITCH NO 2 | 1 | 77 | DRY FORK | 54 | | SW | SW | 35 | 8 | N | 88 | W | S | 1 | 0.5200 | C | S,C | 06/22/1909 | 10/08/1908 | 08/10/1902 | 0 | 21465.19214 | 73-4A | | 2 | | 0 | |
| 44 | 718 | MURPHY DITCH NO 2 | 1 | 77 | DRY FORK | 54 | | SW | SW | 35 | 8 | N | 88 | W | S | 1 | 2.6600 | C | S,AB | 06/22/1909 | 10/08/1908 | 08/10/1902 | 0 | 21465.19214 | 73-4A | 91CW0116 | 3 | | 0 | |
| 44 | 718 | MURPHY DITCH NO 2 | 1 | 77 | DRY FORK | 54 | | SW | SW | 35 | 8 | N | 88 | W | S | 1 | 0.5200 | C | S,C,AB | 06/22/1909 | 10/08/1908 | 08/10/1902 | 0 | 21465.19214 | 73-4A | 84CW0071 | 4 | | 0 | |
| 44 | 649 | HERBERT L FRINK D | 1 | 77 | DRY FORK | 54 | | NW | SW | 33 | 8 | N | 88 | W | S | 1 | 0.8300 | C | S | 09/23/1911 | 08/12/1911 | 07/10/1905 | 0 | 22503.20279 | 79.5A | | 1 | | 0 | |
| 44 | 624 | FULTON DITCH | 1 | 77 | DRY FORK | 54 | | NW | SW | 19 | 8 | N | 87 | W | S | 1 | 0.6800 | C | S | 09/23/1911 | 08/12/1911 | 05/23/1908 | 0 | 22503.21327 | 80A | | 1 | | 0 | |
| 44 | 624 | FULTON DITCH | 1 | 77 | DRY FORK | 54 | | NW | SW | 19 | 8 | N | 87 | W | S | 1 | 0.6800 | C | S,AB | 09/23/1911 | 08/12/1911 | 05/23/1908 | 0 | 22503.21327 | 80A | 91CW0116 | 2 | | 0 | |
| 44 | 625 | FULTON DITCH NO 2 | 1 | 77 | DRY FORK | 54 | | NE | SW | 19 | 8 | N | 87 | W | S | 1 | 0.6600 | C | S | 09/23/1911 | 08/12/1911 | 09/03/1908 | 0 | 22503.21438 | 81AAA | | 1 | | 0 | |
| 44 | 625 | FULTON DITCH NO 2 | 1 | 77 | DRY FORK | 54 | | NE | SW | 19 | 8 | N | 87 | W | S | 1 | 0.6600 | C | S,AB | 09/23/1911 | 08/12/1911 | 09/03/1908 | 0 | 22503.21438 | 81AAA | 91CW0116 | 2 | | 0 | |
| 44 | 717 | MURPHY DITCH NO 1 | 1 | 77 | DRY FORK | 54 | | SE | NW | 35 | 8 | N | 88 | W | S | 1 | 1.2500 | C | S,AB | 06/15/1914 | 06/17/1913 | 08/10/1902 | 0 | 23178.19214 | 73-AA | 91CW0116 | 4 | | 0 | |
| 44 | 717 | MURPHY DITCH NO 1 | 1 | 77 | DRY FORK | 54 | | SE | NW | 35 | 8 | N | 88 | W | S | 1 | 1.2500 | C | S | 06/15/1914 | 06/17/1913 | 08/10/1902 | 0 | 23178.19214 | 73-AA | | 2 | | 0 | ABAND 1.25 CFS 91CW116 |
| 44 | 623 | FRINK LIGHTHIZER NO 2 D | 1 | 77 | DRY FORK | 54 | | SW | SE | 33 | 8 | N | 88 | W | S | 1 | 0.7500 | C | S,TF | 08/05/1921 | 12/17/1920 | 09/27/1907 | 0 | 25918.21088 | NONE | 91CW0012 | 2 | | 4400649 | TT HERBERT L FRINK D |
| 44 | 623 | FRINK LIGHTHIZER NO 2 D | 1 | 77 | DRY FORK | 54 | | SW | SE | 33 | 8 | N | 88 | W | S | 1 | 0.7500 | C | S | 08/05/1921 | 12/17/1920 | 09/27/1907 | 0 | 25918.21088 | NONE | | 1 | | 0 | |
| 44 | 649 | HERBERT L FRINK D | 1 | 77 | DRY FORK | 54 | | NW | SW | 33 | 8 | N | 88 | W | S | 1 | 0.7500 | C | S,TT | 08/05/1921 | 12/17/1920 | 09/27/1907 | 0 | 25918.21088 | NONE | 91CW0012 | 2 | | 4400623 | TF FRINK LIGHTHIZER D NO 2 |
| 44 | 626 | GALLOWAY DITCH NO 1 | 1 | 77 | DRY FORK | 54 | | NW | NE | 26 | 8 | N | 88 | W | S | 1 | 0.3300 | C | S | 04/02/1926 | 12/07/1925 | 06/16/1907 | 0 | 27734.20985 | 121B | | 1 | | 0 | |
| 44 | 626 | GALLOWAY DITCH NO 1 | 1 | 77 | DRY FORK | 54 | | NW | NE | 26 | 8 | N | 88 | W | S | 1 | 0.3300 | C | S,AB | 04/02/1926 | 12/07/1925 | 06/16/1907 | 0 | 27734.20985 | 121B | 91CW0116 | 2 | | 0 | |
| 44 | 627 | GALLOWAY DITCH NO 2 | 1 | 77 | DRY FORK | 54 | | NW | NE | 26 | 8 | N | 88 | W | S | 1 | 0.3300 | C | S | 04/02/1926 | 12/07/1925 | 06/16/1907 | 0 | 27734.20985 | 121BB | | 1 | | 0 | |
| 44 | 627 | GALLOWAY DITCH NO 2 | 1 | 77 | DRY FORK | 54 | | NW | NE | 26 | 8 | N | 88 | W | S | 1 | 0.3300 | C | S,AB | 04/02/1926 | 12/07/1925 | 06/16/1907 | 0 | 27734.20985 | 121BB | 91CW0116 | 2 | | 0 | |
| 44 | 869 | OAK POINTS PIPELINE | 7 | 77 | DRY FORK | 54 | | NE | NW | 1 | 7 | N | 88 | W | S | 18 | 0.0220 | C | S | 12/31/1971 | 12/31/1970 | 08/10/1907 | 0 | 44194.21040 | | W0056-71 | 1 | | 0 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 799 | CARNS SPG NO 1 | 4 | 77 | DRY FORK | 54 | | SW | NW | 4 | 7 | N | 88 | W | S | 18 | 0.0040 | C | S | 12/31/1972 | 12/31/1971 | 06/01/1948 | 0 | 44559.35946 | | W0184-72 | 1 | | 0 | |
| 44 | 1033 | CARNS SPG NO 2 | 4 | 77 | DRY FORK | 54 | | SW | NW | 4 | 7 | N | 88 | W | S | 189 | 0.0030 | C | S | 12/31/1972 | 12/31/1971 | 06/01/1948 | 0 | 44559.35946 | | W0184-72 | 1 | | 0 | |
| 44 | 1022 | FULTON SPG NO 3 | 4 | 77 | DRY FORK | 54 | | SE | NE | 13 | 8 | N | 88 | W | S | 19 | 0.0100 | C | S | 12/31/1973 | 12/31/1972 | 03/10/1948 | 0 | 44925.35863 | | W0452-73 | 1 | | 0 | |
| 44 | 1021 | FULTON SPG NO 4 | 4 | 77 | DRY FORK | 54 | | SW | SE | 13 | 8 | N | 88 | W | S | 89 | 0.0100 | C | S | 12/31/1973 | 12/31/1972 | 03/10/1948 | 0 | 44925.35863 | | W0451-73 | 1 | | 0 | |
| 44 | 1023 | FULTON SPG NO 7 | 4 | 77 | DRY FORK | 54 | | SE | SW | 7 | 8 | N | 87 | W | S | 9 | 0.0100 | C | S | 12/31/1973 | 12/31/1972 | 06/15/1948 | 0 | 44925.35960 | | W0448-73 | 1 | | 0 | |
| 44 | 1024 | FULTON SPG NO 6 | 4 | 77 | DRY FORK | 54 | | SE | NW | 13 | 8 | N | 88 | W | S | 9 | 0.0100 | C | S,C | 12/31/1973 | 12/31/1972 | 07/01/1959 | 0 | 44925.39993 | | W0449-73 | 1 | | 0 | |
| 44 | 1024 | FULTON SPG NO 6 | 4 | 77 | DRY FORK | 54 | | SE | NW | 13 | 8 | N | 88 | W | S | 9 | 0.0100 | C | S,C,AB | 12/31/1973 | 12/31/1972 | 07/01/1959 | 0 | 44925.39993 | | W0449-73 | 3 | | 0 | ABAN 10/14/80 |
| 44 | 1026 | FULTON SPG NO 2 | 4 | 77 | DRY FORK | 54 | | SW | NW | 18 | 8 | N | 87 | W | S | 9 | 0.0100 | C | S,C | 12/31/1973 | 12/31/1972 | 01/15/1962 | 0 | 44925.40922 | | W0453-73 | 1 | | 0 | |
| 44 | 1026 | FULTON SPG NO 2 | 4 | 77 | DRY FORK | 54 | | SW | NW | 18 | 8 | N | 87 | W | S | 9 | 0.0100 | C | S,C,AB | 12/31/1973 | 12/31/1972 | 01/15/1962 | 0 | 44925.40922 | | W0453-73 | 3 | | 0 | ABAN 10/14/80 |
| 44 | 1027 | FULTON SPG NO 5 | 4 | 77 | DRY FORK | 54 | | NE | SW | 13 | 8 | N | 88 | W | S | 9 | 0.0100 | C | S,C | 12/31/1973 | 12/31/1972 | 06/01/1963 | 0 | 44925.41424 | | W0450-73 | 1 | | 0 | |
| 44 | 1027 | FULTON SPG NO 5 | 4 | 77 | DRY FORK | 54 | | NE | SW | 13 | 8 | N | 88 | W | S | 9 | 0.0100 | C | S,C,AB | 12/31/1973 | 12/31/1972 | 06/01/1963 | 0 | 44925.41424 | | W0450-73 | 3 | | 0 | ABAN 10/14/80 |
| 44 | 848 | WOODLEY SPG. #2 | 4 | 77 | DRY FORK | 54 | | NW | SW | 36 | 8 | N | 88 | W | S | 89 | 0.0330 | C | S | 12/31/1979 | 12/31/1978 | 07/10/1977 | 0 | 47116.46577 | | 79CW0032 | 1 | | 0 | |
| 44 | 847 | WOODLEY SPG. #1 | 4 | 77 | DRY FORK | 54 | | NW | SW | 36 | 8 | N | 88 | W | S | 89 | 0.0330 | C | S | 12/31/1979 | 12/31/1978 | 07/17/1977 | 0 | 47116.46584 | | 79CW0032 | 1 | | 0 | |
| 44 | 1024 | FULTON SPG NO 6 | 4 | 77 | DRY FORK | 54 | | SE | NW | 13 | 8 | N | 88 | W | S | 9 | 0.0100 | C | S | 12/31/1981 | 12/31/1980 | 07/01/1959 | 0 | 47847.39993 | | 81CW0289 | 2 | | 0 | |
| 44 | 1025 | FULTON SPG NO 1 | 4 | 77 | DRY FORK | 54 | | NW | NW | 18 | 8 | N | 87 | W | S | 9 | 0.0100 | C | S,C | 12/31/1981 | 12/31/1980 | 01/15/1962 | 0 | 47847.40922 | | 81CW0289 | 1 | | 0 | |
| 44 | 1025 | FULTON SPG NO 1 | 4 | 77 | DRY FORK | 54 | | NW | NW | 18 | 8 | N | 87 | W | S | 9 | 0.0100 | C | S,C | 12/31/1981 | 12/31/1980 | 01/15/1962 | 0 | 47847.40922 | | 81CW0289 | 2 | | 0 | ABAN 12/18/86 |
| 44 | 1026 | FULTON SPG NO 2 | 4 | 77 | DRY FORK | 54 | | SW | NW | 18 | 8 | N | 87 | W | S | 9 | 0.0100 | C | S | 12/31/1981 | 12/31/1980 | 01/15/1962 | 0 | 47847.40922 | | 81CW0289 | 2 | | 0 | |
| 44 | 1027 | FULTON SPG NO 5 | 4 | 77 | DRY FORK | 54 | | NE | SW | 13 | 8 | N | 88 | W | S | 9 | 0.0100 | C | S | 12/31/1981 | 12/31/1980 | 06/01/1963 | 0 | 47847.41424 | | 81CW0289 | 2 | | 0 | |
| 44 | 3715 | SMITH RANCHO ST L R 5 | 3 | 77 | DRY FORK | 54 | | SE | NE | 16 | 8 | N | 87 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 09/15/1950 | 0 | 48577.36782 | | 83CW0159 | 1 | | 0 | |
| 44 | 3749 | RAFTOPOULOS Q MTN RES 6 | 3 | 77 | DRY FORK | 54 | | SW | SW | 8 | 8 | N | 87 | W | S | 9 | 0.0200 | A | S,C | 12/31/1983 | 12/31/1982 | 11/16/1983 | 0 | 48897.00000 | | 83CW0175 | 1 | | 0 | |
| 44 | 3749 | RAFTOPOULOS Q MTN RES 6 | 3 | 77 | DRY FORK | 54 | | SW | SW | 8 | 8 | N | 87 | W | S | 9 | 0.0200 | A | S,C,AB | 12/31/1983 | 12/31/1982 | 11/16/1983 | 0 | 48897.00000 | | 83CW0175 | 2 | | 0 | ABANDONED .02 CFS 12/31/1988 |
| 44 | 724 | NORVELL DITCH | 1 | 3 | ELKHEAD CK | 41 | | SE | NE | 25 | 7 | N | 90 | W | S | 1 | 10.0000 | C | O | 09/22/1892 | | 05/14/1885 | 0 | 12918.00000 | 12 | | 1 | | 0 | |
| 44 | 763 | SMITH DITCH | 1 | 3 | ELKHEAD CK | 54 | | NW | NW | 28 | 7 | N | 89 | W | S | 1 | 5.4600 | C | O | 09/22/1892 | | 12/06/1886 | 0 | 13489.00000 | 16 | | 1 | | 0 | |
| 44 | 763 | SMITH DITCH | 1 | 3 | ELKHEAD CK | 54 | | NW | NW | 28 | 7 | N | 89 | W | S | 1 | 2.2000 | C | O | 09/22/1892 | | 03/26/1888 | 0 | 13965.00000 | 22 | | 2 | | 0 | |
| 44 | 699 | MCKINLAY DITCH NO 1 | 1 | 3 | ELKHEAD CK | 54 | | SE | SE | 7 | 8 | N | 88 | W | S | 1 | 8.3300 | C | O | 09/22/1892 | | 05/01/1890 | 0 | 14731.00000 | 50 | | 1 | | 0 | |
| 44 | 700 | MCKINLAY DITCH NO 2 | 1 | 3 | ELKHEAD CK | 54 | | NE | SE | 17 | 8 | N | 88 | W | S | 1 | 11.6600 | C | O | 09/22/1892 | | 05/01/1890 | 0 | 14731.00000 | 51 | | 1 | | 0 | |
| 44 | 1188 | STARR IRR DITCH ALT PT | 1 | 3 | ELKHEAD CK | 41 | | SE | NW | 21 | 7 | N | 89 | W | S | 1 | 0.9000 | C | S,TT | 09/26/1905 | 09/19/1905 | 06/22/1900 | 0 | 20350.18435 | AA64 | 83CW0039 | 1 | | 4400770 | TF STARR IRR DITCH |
| 44 | 770 | STARR IRRIG DITCH | 1 | 3 | ELKHEAD CK | 41 | | NE | SE | 16 | 7 | N | 89 | W | S | 1 | 6.1000 | C | S | 09/26/1905 | 09/19/1905 | 06/22/1900 | 0 | 20350.18435 | AA64 | | 1 | | 0 | CHG POINT OF DIVERSION .9 CFS 83CW39. |
| 44 | 770 | STARR IRRIG DITCH | 1 | 3 | ELKHEAD CK | 41 | | NE | SE | 16 | 7 | N | 89 | W | S | 1 | 0.9000 | C | S,TF | 09/26/1905 | 09/19/1905 | 06/22/1900 | 0 | 20350.18435 | AA64 | 83CW0039 | 4 | | 4401188 | TT STARR IRR DITCH ALP PT |
| 44 | 536 | ARMSTRONG IRR DITCH | 1 | 3 | ELKHEAD CK | 54 | | NE | SW | 10 | 9 | N | 87 | W | S | 1 | 1.2500 | C | S | 06/04/1907 | 09/20/1906 | 07/15/1902 | 0 | 20716.19188 | 73AA | | 1 | | 0 | |
| 44 | 536 | ARMSTRONG IRR DITCH | 1 | 3 | ELKHEAD CK | 54 | | NE | SW | 10 | 9 | N | 87 | W | S | 1 | 1.2500 | C | S,AB | 06/04/1907 | 09/20/1906 | 07/15/1902 | 0 | 20716.19188 | 73AA | 91CW0116 | 2 | | 0 | |
| 44 | 4723 | PARK RESERVOIR | 3 | 3 | ELKHEAD CK | 54 | | | | | 9 | N | 87 | W | S | 1 | 34665.0000 | A | S,C | 06/15/1911 | 06/14/1911 | 10/27/1904 | 0 | 22444.20023 | 78 3/4 | CA0663 | 1 | | 0 | PART OF GREAT NORTHERN PROJECT |
| 44 | 4724 | KILPATRICK IRRIGATION RESERVOIR | 3 | 3 | ELKHEAD CK | 54 | | | | 3 | 9 | N | 88 | W | S | 1 | 7385.0000 | A | S,C | 06/15/1911 | 06/14/1911 | 06/14/1905 | 0 | 22444.20253 | 79 1/2 | CA0663 | 1 | | 0 | PART OF GREAT NORTHERN PROJECT |
| 44 | 4723 | PARK RESERVOIR | 3 | 3 | ELKHEAD CK | 54 | | | | | 9 | N | 87 | W | S | 1 | 135335.0000 | A | S,C | 06/15/1911 | 06/14/1911 | 06/14/1909 | 0 | 22444.21714 | 85 | CA0663 | 2 | | 0 | PART OF GREAT NORTHERN PROJECT |
| 44 | 595 | DIAMOND DITCH | 1 | 3 | ELKHEAD CK | 54 | | NE | NE | 2 | 7 | N | 89 | W | S | 1 | 0.5000 | C | S | 09/23/1911 | 08/12/1911 | 11/15/1903 | 0 | 22503.19676 | 78A | | 1 | | 0 | |
| 44 | 595 | DIAMOND DITCH | 1 | 3 | ELKHEAD CK | 54 | | NE | NE | 2 | 7 | N | 89 | W | S | 1 | 1.1700 | C | S,C | 09/23/1911 | 08/12/1911 | 11/15/1903 | 0 | 22503.19676 | 78A | | 2 | | 0 | |
| 44 | 595 | DIAMOND DITCH | 1 | 3 | ELKHEAD CK | 54 | | NE | NE | 2 | 7 | N | 89 | W | S | 1 | 1.1700 | C | S,C,AB | 09/23/1911 | 08/12/1911 | 11/15/1903 | 0 | 22503.19676 | 78A | 84CW0071 | 3 | | 0 | |
| 44 | 700 | MCKINLAY DITCH NO 2 | 1 | 3 | ELKHEAD CK | 54 | | NE | SE | 17 | 8 | N | 88 | W | S | 1 | 2.0000 | C | S | 06/16/1913 | 06/09/1913 | 09/15/1904 | 0 | 23170.19981 | 78.5AA | | 2 | | 0 | DECREED IN WD57 |
| 44 | 724 | NORVELL DITCH | 1 | 3 | ELKHEAD CK | 41 | | SE | NE | 25 | 7 | N | 90 | W | S | 1 | 20.0000 | C | S | 09/01/1960 | 05/16/1949 | 05/01/1939 | 0 | 36295.32627 | 47 | CA1278 | 2 | | 0 | |
| 44 | 763 | SMITH DITCH | 1 | 3 | ELKHEAD CK | 54 | | NW | NW | 28 | 7 | N | 89 | W | S | 1 | 13.3300 | C | S | 09/01/1960 | 05/16/1949 | 05/01/1939 | 0 | 36295.32627 | 47A | CA1278 | 3 | | 0 | |
| 44 | 3902 | ELKHEAD RESERVOIR | 3 | 3 | ELKHEAD CK | 41 | | SE | SW | 16 | 7 | N | 89 | W | S | 12* | 8310.0000 | A | S,AP | 09/01/1960 | 05/16/1949 | 06/08/1954 | 0 | 38144.00000 | 11 | 79CW0110 | 1 | | 4403692 | ALT PT FOR JUNIPER RESERVOIR 79CW110 |
| 44 | 4320 | CALIFORNIA PARK RES | 3 | 3 | ELKHEAD CK | 54 | | SW | SW | 17 | 9 | N | 87 | W | S | X | 210.0000 | C | S,C,AP | 03/30/1964 | 06/22/1957 | 06/02/1958 | 0 | 39599.00000 | 40 | W1091 | 7 | | 5802127 | ALTERNATE POINT FOR FOUR COUNTIES - FISH CREEK. |
| 44 | 4320 | CALIFORNIA PARK RES | 3 | 3 | ELKHEAD CK | 54 | | SW | SW | 17 | 9 | N | 87 | W | S | X | 705.0000 | C | S,C,AP | 03/30/1964 | 06/22/1957 | 06/02/1958 | 0 | 39599.00000 | 40 | W1091 | 8 | | 5801017 | ALTERNATE POINT FOR FOUR COUNTIES - WALTON CREEK. |
| 44 | 4320 | CALIFORNIA PARK RES | 3 | 3 | ELKHEAD CK | 54 | | SW | SW | 17 | 9 | N | 87 | W | S | X | 36536.1000 | A | S,C | 05/30/1972 | 09/01/1960 | 08/07/1962 | 0 | 41126.00000 | 42 | CA2259 | 1 | | 0 | DIL 85CW107,89CW101,96CW63,96CW61.13699 AF TT ELKHEAD RES 93CW131 |
| 44 | 4320 | CALIFORNIA PARK RES | 3 | 3 | ELKHEAD CK | 54 | | SW | SW | 17 | 9 | N | 87 | W | S | X | 13699.0000 | A | S,C,TF | 05/30/1972 | 09/01/1960 | 08/07/1962 | 0 | 41126.00000 | 42 | 93CW0131 | 2 | | 4403902 | TT ELKHEAD RES |
| 44 | 2007 | ELKHEAD CANAL | 1 | 3 | ELKHEAD CK | 54 | | SE | NE | 4 | 8 | N | 88 | W | S | X | 145.0000 | C | S,C | 05/30/1972 | 09/01/1960 | 08/07/1962 | 0 | 41126.00000 | 42A | CA2259 | 1 | | 0 | DILIGENCE 85CW107,89CW101,96CW61 |
| 44 | 3902 | ELKHEAD RESERVOIR | 3 | 3 | ELKHEAD CK | 41 | | SE | SW | 16 | 7 | N | 89 | W | S | X | 13699.0000 | A | S,C,TT | 05/30/1972 | 09/01/1960 | 08/07/1962 | 0 | 41126.00000 | 42 | 93CW0131 | 2 | | 4404320 | TF CALIF. PK RES. DIL 96CW63 |
| 44 | 4320 | CALIFORNIA PARK RES | 3 | 3 | ELKHEAD CK | 54 | | SW | SW | 17 | 9 | N | 87 | W | S | X | 214.0000 | C | S,C,AP | 05/30/1972 | 03/30/1964 | 05/20/1963 | 0 | 41727.41412 | C45 | W1091 | 9 | | 5801017 | ALTERNATE POINT FOR FOUR COUNTIES - WALTON CREEK. |
| 44 | 4320 | CALIFORNIA PARK RES | 3 | 3 | ELKHEAD CK | 54 | | SW | SW | 17 | 9 | N | 87 | W | S | X | 363.0000 | C | S,C,AP | 05/30/1972 | 03/30/1964 | 05/20/1963 | 0 | 41727.41412 | C45 | W1091 | 10 | | 5802127 | ALTERNATE POINT FOR FOUR COUNTIES - FISH CREEK. |
| 44 | 4320 | CALIFORNIA PARK RES | 3 | 3 | ELKHEAD CK | 54 | | SW | SW | 17 | 9 | N | 87 | W | S | X | 287.0000 | C | S,C,AP | 05/30/1972 | 03/30/1964 | 05/20/1963 | 0 | 41727.41412 | C45 | W1091 | 11 | | 5801018 | ALTERNATE POINT FOR FOUR COUNTIES - HARRSION CREEK. |
| 44 | 3902 | ELKHEAD RESERVOIR | 3 | 3 | ELKHEAD CK | 41 | | SE | SW | 16 | 7 | N | 89 | W | S | 650 | 5389.0000 | A | S,C | 05/30/1972 | 09/01/1960 | 10/01/1966 | 0 | 42642.00000 | 57 | CA2259 | 3 | | 0 | COLO DOW FILING. |
| 44 | 3902 | ELKHEAD RESERVOIR | 3 | 3 | ELKHEAD CK | 41 | | SE | SW | 16 | 7 | N | 89 | W | S | 650 | 5389.0000 | A | S,CA | 05/30/1972 | 09/01/1960 | 10/01/1966 | 0 | 42642.00000 | 57 | W0973 | 5 | | 0 | |
| 44 | 2322 | PITNEY PUMP DIVERSION 2 | 8 | 3 | ELKHEAD CK | 54 | | NW | NW | 7 | 7 | N | 88 | W | S | 1 | 2.6700 | C | S,AP | 05/30/1972 | 09/01/1960 | 04/26/1968 | 0 | 43215.00000 | 62 | CA2259 | 1 | | 4400840 | AP FOR PITNEY PUMP STATION; LIMITED TO USING 1 AT A TIME |
| 44 | 2323 | PITNEY PUMP DIVERSION 3 | 8 | 3 | ELKHEAD CK | 54 | | NW | NW | 7 | 7 | N | 88 | W | S | 1 | 2.6700 | C | S,AP | 05/30/1972 | 09/01/1960 | 04/26/1968 | 0 | 43215.00000 | 62 | CA2259 | 1 | | 4400840 | AP FOR PITNEY PUMP STATION; LIMITED TO USING 1 AT A TIME |
| 44 | 2324 | PITNEY PUMP DIVERSION 4 | 8 | 3 | ELKHEAD CK | 54 | | NW | NW | 7 | 7 | N | 88 | W | S | 1 | 2.6700 | C | S,AP | 05/30/1972 | 09/01/1960 | 04/26/1968 | 0 | 43215.00000 | 62 | CA2259 | 1 | | 4400840 | AP FOR PITNEY PUMP STATION; LIMITED TO USING 1 AT A TIME |
| 44 | 2325 | PITNEY PUMP DIVERSION 5 | 8 | 3 | ELKHEAD CK | 54 | | NW | NW | 7 | 7 | N | 88 | W | S | 1 | 2.6700 | C | S,AP | 05/30/1972 | 09/01/1960 | 04/26/1968 | 0 | 43215.00000 | 62 | CA2259 | 1 | | 4400840 | AP FOR PITNEY PUMP STATION; LIMITED TO USING 1 AT A TIME |
| 44 | 840 | PITNEY PUMP STATION | 8 | 3 | ELKHEAD CK | 54 | | NW | NW | 7 | 7 | N | 88 | W | S | 1 | 2.6700 | C | S | 05/30/1972 | 09/01/1960 | 04/26/1968 | 0 | 43215.00000 | 62 | CA2259 | 1 | | 0 | HAS 4 AP'S (ID'S 2322-2325) LIMITED TO USING 1 AT A TIME |
| 44 | 3902 | ELKHEAD RESERVOIR | 3 | 3 | ELKHEAD CK | 41 | | SE | SW | 16 | 7 | N | 89 | W | S | 12* | 8310.0000 | A | S,CA | 12/31/1973 | 12/31/1972 | 06/20/1972 | 0 | 44925.44731 | | W0466-73 | 6 | | 0 | MADE ABSOLUTE 3/28/77. |
| 44 | 3902 | ELKHEAD RESERVOIR | 3 | 3 | ELKHEAD CK | 41 | | SE | SW | 16 | 7 | N | 89 | W | S | 12* | 8310.0000 | A | S,C | 12/31/1973 | 12/31/1972 | 06/20/1972 | 0 | 44925.44731 | | W0466-73 | 4 | | 0 | COLO UTE FILING |
| 44 | 4324 | MITCHELL RES NO 1 | 3 | 3 | ELKHEAD CK | 54 | | NW | SW | 32 | 8 | N | 88 | W | S | X | 5800.0000 | A | S,C | 12/31/1974 | 12/31/1973 | 10/22/1974 | 0 | 45585.00000 | | W0742-74 | 1 | | 0 | |
| 44 | 4324 | MITCHELL RES NO 1 | 3 | 3 | ELKHEAD CK | 54 | | NW | SW | 32 | 8 | N | 88 | W | S | X | 5800.0000 | A | S,C,AB | 12/31/1974 | 12/31/1973 | 10/22/1974 | 0 | 45585.00000 | | 93CW0086 | 2 | | 0 | DILIGENCE 87CW106,93CW86. ABANDONED 5800AF 10/10/2000 |
| 44 | 700 | MCKINLAY DITCH NO 2 | 1 | 3 | ELKHEAD CK | 54 | | NE | SE | 17 | 8 | N | 88 | W | S | 1 | 8.0000 | C | S | 12/31/1975 | 12/31/1974 | 10/15/1966 | 0 | 45655.42656 | | W0853-75 | 3 | | 0 | CALF CREEK HEADGATE |
| 44 | 700 | MCKINLAY DITCH NO 2 | 1 | 3 | ELKHEAD CK | 54 | | NE | SE | 17 | 8 | N | 88 | W | S | 1 | 4.0000 | C | S,TT | 12/31/1975 | 12/31/1974 | 07/21/1975 | 0 | 45857.00000 | | 82CW0208 | 4 | | 4402010 | TF HOWE D |
| 44 | 770 | STARR IRRIG DITCH | 1 | 3 | ELKHEAD CK | 41 | | NE | SE | 16 | 7 | N | 89 | W | S | 1 | 0.5000 | C | S,C | 12/31/1976 | 12/31/1975 | 11/02/1976 | 0 | 46327.00000 | | W1039-76 | 2 | | 0 | |
| 44 | 770 | STARR IRRIG DITCH | 1 | 3 | ELKHEAD CK | 41 | | NE | SE | 16 | 7 | N | 89 | W | S | 1 | 0.5000 | C | S,CA | 12/31/1976 | 12/31/1975 | 11/02/1976 | 0 | 46327.00000 | | 80CW0205 | 3 | | 0 | |
| 44 | 2163 | GRAHAM DIV | 8 | 3 | ELKHEAD CK | 54 | | NE | NE | 29 | 7 | N | 89 | W | S | 19 | 1.0000 | C | S,C | 12/31/1980 | 12/31/1979 | 02/08/1980 | 0 | 47520.00000 | | 80CW0011 | 1 | | 0 | |
| 44 | 2163 | GRAHAM DIV | 8 | 3 | ELKHEAD CK | 54 | | NE | NE | 29 | 7 | N | 89 | W | S | 19 | 1.0000 | C | S,C,AB | 12/31/1980 | 12/31/1979 | 02/08/1980 | 0 | 47520.00000 | | 80CW0011 | 2 | | 0 | ABANDONED 1 CFS 3/19/87 |
| 44 | 4320 | CALIFORNIA PARK RES | 3 | 3 | ELKHEAD CK | 54 | | SW | SW | 17 | 9 | N | 87 | W | S | X | 35026.0000 | A | S,C,AB | 12/31/1981 | 12/31/1980 | 02/27/1981 | 0 | 47905.00000 | | 96CW0067 | 6 | | 0 | ABANDONED 05/13/2003 |
| 44 | 4320 | CALIFORNIA PARK RES | 3 | 3 | ELKHEAD CK | 54 | | SW | SW | 17 | 9 | N | 87 | W | S | X | 35026.0000 | A | S,C | 12/31/1981 | 12/31/1980 | 02/27/1981 | 0 | 47905.00000 | | 81CW0266 | 4 | | 0 | 2ND FILLING. DILIGENCE 86CW21,90CW26,96CW67 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 763 | SMITH DITCH | 1 | 3 | ELKHEAD CK | 54 | | NW | NW | 28 | 7 | N | 89 | W | S | 1 | 2.0000 | C | S | 12/31/1989 | 12/31/1988 | 04/15/1988 | 0 | 50769.50509 | | 89CW0038 | 4 | | 0 | LONG HEADGATE #1 |
| 44 | 1782 | PANKEY ELKHEAD CK. LD 1 | | 3 | ELKHEAD CK | 41 | | SW | NW | 30 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 08/03/1912 | 0 | 53325.22860 | | 96CW0007 | 1 | | 0 | |
| 44 | 1783 | PANKEY ELKHEAD CK. LD 2 | | 3 | ELKHEAD CK | 41 | | SE | NE | 25 | 7 | N | 90 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 08/03/1912 | 0 | 53325.22860 | | 96CW0007 | 1 | | 0 | |
| 44 | 1784 | PANKEY ELKHEAD CK. LD 4 | | 3 | ELKHEAD CK | 41 | | SW | SE | 25 | 7 | N | 90 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 08/03/1912 | 0 | 53325.22860 | | 96CW0007 | 1 | | 0 | |
| 44 | 1785 | PANKEY ELKHEAD CK. LD 5 | | 3 | ELKHEAD CK | 41 | | SW | SE | 25 | 7 | N | 90 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 08/03/1912 | 0 | 53325.22860 | | 96CW0007 | 1 | | 0 | |
| 44 | 1786 | PANKEY ELKHEAD CK. LD 6 | | 3 | ELKHEAD CK | 41 | | SW | SE | 25 | 7 | N | 90 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 08/03/1912 | 0 | 53325.22860 | | 96CW0007 | 1 | | 0 | |
| 44 | 1790 | VANTASSEL ELKHEAD LD 1 | | 3 | ELKHEAD CK | 41 | | SW | SE | 25 | 7 | N | 90 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 08/12/1912 | 0 | 53325.22869 | | 96CW0009 | 1 | | 0 | |
| 44 | 1791 | VANTASSEL ELKHEAD LD 2 | | 3 | ELKHEAD CK | 41 | | NW | NE | 36 | 7 | N | 90 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 08/12/1912 | 0 | 53325.22869 | | 96CW0009 | 1 | | 0 | |
| 44 | 1965 | K&S LIVESTOCK DIV. NO.1 | 1 | 3 | ELKHEAD CK | 41 | | NW | NW | 28 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/2000 | 12/31/1999 | 08/03/1912 | 0 | 54786.22860 | | 00CW0068 | 1 | | 0 | |
| 44 | 1966 | K&S LIVESTOCK DIV. NO.2 | 1 | 3 | ELKHEAD CK | 41 | | NE | NE | 29 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/2000 | 12/31/1999 | 08/03/1912 | 0 | 54786.22860 | | 00CW0068 | 1 | | 0 | |
| 44 | 1967 | K&S LIVESTOCK DIV. NO.3 | 1 | 3 | ELKHEAD CK | 41 | | NE | NE | 29 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/2000 | 12/31/1999 | 08/03/1912 | 0 | 54786.22860 | | 00CW0068 | 1 | | 0 | |
| 44 | 1968 | K&S LIVESTOCK DIV. NO.4 | 1 | 3 | ELKHEAD CK | 41 | | SW | NE | 30 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/2000 | 12/31/1999 | 08/03/1912 | 0 | 54786.22860 | | 00CW0068 | 1 | | 0 | |
| 44 | 1969 | K&S LIVESTOCK DIV. NO.5 | 1 | 3 | ELKHEAD CK | 41 | | SW | NW | 30 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/2000 | 12/31/1999 | 08/03/1912 | 0 | 54786.22860 | | 00CW0068 | 1 | | 0 | |
| 44 | 1970 | K&S LIVESTOCK DIV. NO.6 | 1 | 3 | ELKHEAD CK | 41 | | NW | SW | 30 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/2000 | 12/31/1999 | 08/03/1912 | 0 | 54786.22860 | | 00CW0068 | 1 | | 0 | |
| 44 | 1973 | HARLEY JR SPRING | 4 | 3 | ELKHEAD CK | 54 | | SW | NW | 11 | 7 | N | 89 | W | S | 89 | 0.0110 | C | S | 12/31/2000 | 12/31/1999 | 04/18/2000 | 0 | 54895.00000 | | 00CW0016 | 1 | | 0 | |
| 44 | 4727 | DAVENPORT RESERVOIR NO. 1 | 3 | 3 | ELKHEAD CK | 41 | | SE | SE | 17 | 7 | N | 89 | W | S | 9 | 1.0000 | A | S | 12/31/2000 | 12/31/1999 | 05/02/2000 | 0 | 54909.00000 | | 00CW0018 | 1 | | 0 | |
| 44 | 4727 | DAVENPORT RESERVOIR NO. 1 | 3 | 3 | ELKHEAD CK | 41 | | SE | SE | 17 | 7 | N | 89 | W | S | 9 | 1.2000 | A | S,C | 12/31/2000 | 12/31/1999 | 05/02/2000 | 0 | 54909.00000 | | 00CW0018 | 2 | | 0 | |
| 44 | 1987 | VAUGHAN PUMP #1 | 4 | 3 | ELKHEAD CK | 41 | | SE | SW | 20 | 7 | N | 89 | W | S | 19 | 2.0000 | C | S | 12/31/2001 | 12/31/2000 | 07/07/2001 | 0 | 55340.00000 | | 01CW0074 | 1 | | 0 | |
| 44 | 4712 | WYMORE RESERVOIR NO. 1 | 3 | 3 | ELKHEAD CK | 41 | | SE | SW | 7 | 7 | N | 89 | W | S | 9W | 1.0000 | A | S | 12/31/2002 | 12/31/2001 | 06/15/1971 | 0 | 55517.44360 | | 02CW0038 | 1 | | 0 | |
| 44 | 2336 | ROLANDO #1 | 4 | 3 | ELKHEAD CK | 54 | | SE | NE | 6 | 7 | N | 88 | W | S | 9 | 0.0089 | C | S | 12/31/2002 | 12/31/2001 | 12/31/1978 | 0 | 55517.47118 | | 02CW0071 | 1 | | 0 | |
| 44 | 4708 | HAROLD'S RESERVOIR NO. 1 | 3 | 3 | ELKHEAD CK | 41 | | NE | SE | 7 | 7 | N | 89 | W | S | 9W | 1.0000 | A | S | 12/31/2002 | 12/31/2001 | 09/15/2000 | 0 | 55517.55045 | | 02CW0038 | 1 | | 0 | |
| 44 | 4710 | BURNT RESERVOIR | 3 | 3 | ELKHEAD CK | 41 | | SE | SW | 7 | 7 | N | 89 | W | S | 9W | 1.0000 | A | S | 12/31/2002 | 12/31/2001 | 09/20/2000 | 0 | 55517.55050 | | 02CW0038 | 1 | | 0 | |
| 44 | 2337 | ROLANDO #2 | 4 | 3 | ELKHEAD CK | 54 | | SE | NE | 6 | 7 | N | 88 | W | S | 9 | 0.0134 | C | S | 12/31/2002 | 12/31/2001 | 08/21/2002 | 0 | 55750.00000 | | 02CW0071 | 1 | | 0 | |
| 44 | 2338 | ROLANDO #3 | 4 | 3 | ELKHEAD CK | 54 | | SE | NE | 6 | 7 | N | 88 | W | S | 9 | 0.0067 | C | S | 12/31/2002 | 12/31/2001 | 08/21/2002 | 0 | 55750.00000 | | 02CW0071 | 1 | | 0 | |
| 44 | 597 | ELKHEAD RES ENL POWER CONDUIT | 7 | 3 | ELKHEAD CK | 41 | | SE | SW | 16 | 7 | N | 89 | W | S | P | 200.0000 | C | S,C | 12/31/2002 | 12/31/2001 | 10/16/2002 | 0 | 55806.00000 | | 02CW0106 | 1 | | 0 | |
| 44 | 3902 | ELKHEAD RESERVOIR | 3 | 3 | ELKHEAD CK | 41 | | SE | SW | 16 | 7 | N | 89 | W | S | 12* | 13000.0000 | A | S,C | 12/31/2002 | 12/31/2001 | 10/16/2002 | 0 | 55806.00000 | | 02CW0106 | 7 | | 0 | RIGHT TO USE AND REUSE. RIGHT TO REILL TO A MAX OF 1000 AF. |
| 44 | 2072 | FIRST CREEK MSF | 0 | 119 | FIRST CK | 54 | | NW | SE | 17 | 9 | N | 86 | W | S | M | 3.0000 | C | S | 12/31/1977 | 12/31/1976 | 09/23/1977 | 0 | 46652.00000 | | W1348-77 | 1 | | 0 | HEADWATERS TO ELKHEAD CR |
| 44 | 2090 | JOKODOWSKI CREEK MSF | 0 | 120 | JOKODOWSKI CK | 54 | | NW | SW | 33 | 10 | N | 87 | W | S | M | 1.0000 | C | S | 12/31/1977 | 12/31/1976 | 09/23/1977 | 0 | 46652.00000 | | W1345-77 | 1 | | 0 | HEADWATERS TO ELKHEAD CR |
| 44 | 679 | KNOWLES IRR D | 1 | 45 | KNOWLES CK | 54 | | NE | SE | 3 | 9 | N | 87 | W | S | 1 | 1.3300 | C | S,C,AB | 06/08/1910 | 06/06/1910 | 07/16/1907 | 0 | 22071.21015 | 83 | 84CW0071 | 4 | | 0 | |
| 44 | 679 | KNOWLES IRR D | 1 | 45 | KNOWLES CK | 54 | | NE | SE | 3 | 9 | N | 87 | W | S | 1 | 1.3300 | C | S,C | 06/08/1910 | 06/06/1910 | 07/16/1907 | 0 | 22071.21015 | 83 | | 2 | | 0 | |
| 44 | 679 | KNOWLES IRR D | 1 | 45 | KNOWLES CK | 54 | | NE | SE | 3 | 9 | N | 87 | W | S | 1 | 1.0000 | C | S,AB | 06/08/1910 | 06/06/1910 | 07/16/1907 | 0 | 22071.21015 | 83 | 91CW0116 | 3 | | 0 | |
| 44 | 679 | KNOWLES IRR D | 1 | 45 | KNOWLES CK | 54 | | NE | SE | 3 | 9 | N | 87 | W | S | 1 | 1.0000 | C | S | 06/08/1910 | 06/06/1910 | 07/16/1907 | 0 | 22071.21015 | 83 | | 1 | | 0 | |
| 44 | 2080 | HAXTON DIVERSION | 1 | 39 | LITTLE COTTONWOOD CK | 41 | | NE | SE | 27 | 8 | N | 89 | W | S | 169 | 0.2500 | C | S | 12/31/1979 | 12/31/1978 | 07/01/1974 | 0 | 47116.45472 | | 79CW0106 | 1 | | 0 | |
| 44 | 2008 | ELKHEAD LATERAL | 1 | 103 | LONG GULCH | 41 | | SE | SW | 11 | 8 | N | 89 | W | S | X | 40.0000 | C | S,C | 05/30/1972 | 09/01/1960 | 08/07/1962 | 0 | 41126.00000 | 42B | CA2259 | 1 | | 0 | DILIGENCE 85CW107,89CW101,96CW61 |
| 44 | 1072 | PATTERSON SPG | 4 | 103 | LONG GULCH | 41 | | SW | SW | 24 | 8 | N | 89 | W | S | 890 | 0.1330 | C | S | 12/31/1974 | 12/31/1973 | 06/10/1910 | 0 | 45290.22075 | | W0617-74 | 1 | | 0 | |
| 44 | 2180 | WISEMAN SPG | 4 | 103 | LONG GULCH | 41 | | SE | NE | 23 | 8 | N | 89 | W | S | 89 | 0.0330 | C | S | 12/31/1981 | 12/31/1980 | 06/01/1966 | 0 | 47847.42520 | | 81CW0058 | 1 | | 0 | |
| 44 | 3653 | TWO BAR RES 101 | 3 | 103 | LONG GULCH | 41 | | SE | SE | 14 | 8 | N | 89 | W | S | 9 | 2.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/10/1963 | 0 | 48577.41433 | | 83CW0169 | 1 | | 0 | |
| 44 | 3786 | TWO BAR BLM RES 34 | 3 | 103 | LONG GULCH | 41 | | NE | NE | 12 | 8 | N | 89 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/20/1963 | 0 | 48577.41443 | | 83CW0174 | 1 | | 0 | |
| 44 | 3657 | TWO BARS RES 106 | 3 | 103 | LONG GULCH | 41 | | SW | NW | 14 | 8 | N | 89 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 07/10/1963 | 0 | 48577.41463 | | 83CW0169 | 1 | | 0 | |
| 44 | 3662 | TWO BAR RES 112 | 3 | 103 | LONG GULCH | 41 | | NE | NE | 14 | 8 | N | 89 | W | S | 9 | 3.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/15/1969 | 0 | 48577.43630 | | 83CW0169 | 1 | | 0 | |
| 44 | 3664 | TWO BAR RES 114 | 3 | 103 | LONG GULCH | 41 | | NW | SW | 12 | 8 | N | 89 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 07/10/1969 | 0 | 48577.43655 | | 83CW0169 | 1 | | 0 | |
| 44 | 3665 | TWO BAR RES 115 | 3 | 103 | LONG GULCH | 41 | | NW | NE | 11 | 8 | N | 89 | W | S | 9 | 0.2500 | A | S | 12/31/1983 | 12/31/1982 | 07/15/1969 | 0 | 48577.43660 | | 83CW0169 | 1 | | 0 | |
| 44 | 3667 | TWO BAR RES 117 | 3 | 103 | LONG GULCH | 41 | | NW | NW | 12 | 8 | N | 89 | W | S | 9 | 3.0000 | A | S | 12/31/1983 | 12/31/1982 | 08/01/1969 | 0 | 48577.43677 | | 83CW0169 | 1 | | 0 | |
| 44 | 3658 | TWO BARS RES 107 | 3 | 103 | LONG GULCH | 41 | | NW | NE | 14 | 8 | N | 89 | W | S | 9 | 0.5000 | A | S | 12/31/1983 | 12/31/1982 | 07/20/1974 | 0 | 48577.45491 | | 83CW0169 | 1 | | 0 | |
| 44 | 3659 | TWO BAR RES 108 | 3 | 103 | LONG GULCH | 41 | | NW | NW | 14 | 8 | N | 89 | W | S | 9 | 0.5000 | A | S | 12/31/1983 | 12/31/1982 | 08/01/1974 | 0 | 48577.45503 | | 83CW0169 | 1 | | 0 | |
| 44 | 3666 | TWO BAR RES 116 | 3 | 103 | LONG GULCH | 41 | | NE | NE | 11 | 8 | N | 89 | W | S | 9 | 0.2500 | A | S | 12/31/1983 | 12/31/1982 | 08/15/1974 | 0 | 48577.45517 | | 83CW0169 | 1 | | 0 | |
| 44 | 3668 | TWO BAR RES 118 | 3 | 103 | LONG GULCH | 41 | | SE | SE | 2 | 8 | N | 89 | W | S | 9 | 0.5000 | A | S | 12/31/1983 | 12/31/1982 | 08/20/1974 | 0 | 48577.45522 | | 83CW0169 | 1 | | 0 | |
| 44 | 3669 | TWO BAR RES 119 | 3 | 103 | LONG GULCH | 41 | | NE | SE | 11 | 8 | N | 89 | W | S | 9 | 0.1000 | A | S | 12/31/1983 | 12/31/1982 | 09/01/1974 | 0 | 48577.45534 | | 83CW0169 | 1 | | 0 | |
| 44 | 3784 | TWO BAR BLM RES 32 | 3 | 103 | LONG GULCH | 41 | | NW | SE | 11 | 8 | N | 89 | W | S | 9 | 0.5000 | A | S | 12/31/1983 | 12/31/1982 | 06/30/1975 | 0 | 48577.45836 | | 83CW0174 | 1 | | 0 | |
| 44 | 3785 | TWO BAR BLM RES 33 | 3 | 103 | LONG GULCH | 41 | | SE | SW | 11 | 8 | N | 89 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 07/05/1975 | 0 | 48577.45841 | | 83CW0174 | 1 | | 0 | |
| 44 | 3650 | TWO BAR RES 105 | 3 | 103 | LONG GULCH | 41 | | NW | SW | 14 | 8 | N | 89 | W | S | 9 | 1.0000 | A | S,C | 12/31/1983 | 12/31/1982 | 11/16/1983 | 0 | 48897.00000 | | 83CW0169 | 1 | | 0 | |
| 44 | 3650 | TWO BAR RES 105 | 3 | 103 | LONG GULCH | 41 | | NW | SW | 14 | 8 | N | 89 | W | S | 9 | 1.0000 | A | S,C,AB | 12/31/1983 | 12/31/1982 | 11/16/1983 | 0 | 48897.00000 | | 83CW0169 | 2 | | 0 | ABANDONED 1 AF 9/22/88 |
| 44 | 1613 | DIXON SPG # 1 | 4 | 103 | LONG GULCH | 41 | | SW | NW | 24 | 8 | N | 89 | W | S | 9 | 0.0110 | C | S | 12/31/1994 | 12/31/1993 | 05/10/1940 | 0 | 52595.33002 | | 94CW0086 | 1 | | 0 | |
| 44 | 1614 | DIXON SPG # 2 | 4 | 103 | LONG GULCH | 41 | | NW | SW | 24 | 8 | N | 89 | W | S | 9 | 0.0022 | C | S | 12/31/1994 | 12/31/1993 | 05/10/1940 | 0 | 52595.33002 | | 94CW0086 | 1 | | 0 | |
| 44 | 1615 | DIXON SPG # 3 | 4 | 103 | LONG GULCH | 41 | | NW | SW | 24 | 8 | N | 89 | W | S | 9 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 05/10/1940 | 0 | 52595.33002 | | 94CW0086 | 1 | | 0 | |
| 44 | 1616 | DIXON SPG # 4 | 4 | 103 | LONG GULCH | 41 | | NW | SW | 24 | 8 | N | 89 | W | S | 9 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 05/10/1940 | 0 | 52595.33002 | | 94CW0086 | 1 | | 0 | |
| 44 | 1617 | DIXON SPG # 5 | 4 | 103 | LONG GULCH | 41 | | NW | NW | 24 | 8 | N | 89 | W | S | 9 | 0.0044 | C | S | 12/31/1994 | 12/31/1993 | 05/10/1940 | 0 | 52595.33002 | | 94CW0086 | 1 | | 0 | |
| 44 | 4120 | DIXON RES # 1 | 4 | 103 | LONG GULCH | 41 | | NE | NW | 23 | 8 | N | 89 | W | S | 9 | 0.5000 | A | S | 12/31/1994 | 12/31/1993 | 07/10/1942 | 0 | 52595.33793 | | 94CW0086 | 1 | | 0 | |
| 44 | 4121 | DIXON RES # 2 | 4 | 103 | LONG GULCH | 41 | | NE | NW | 23 | 8 | N | 89 | W | S | 9 | 1.0000 | A | S | 12/31/1994 | 12/31/1993 | 07/15/1942 | 0 | 52595.33798 | | 94CW0086 | 1 | | 0 | |
| 44 | 4122 | DIXON RES # 3 | 4 | 103 | LONG GULCH | 41 | | SE | NW | 23 | 8 | N | 89 | W | S | 9 | 1.0000 | A | S | 12/31/1994 | 12/31/1993 | 07/20/1942 | 0 | 52595.33803 | | 94CW0086 | 1 | | 0 | |
| 44 | 4123 | DIXON RES # 4 | 4 | 103 | LONG GULCH | 41 | | NE | SW | 24 | 8 | N | 89 | W | S | 9 | 0.5000 | A | S | 12/31/1994 | 12/31/1993 | 07/20/1942 | 0 | 52595.33803 | | 94CW0086 | 1 | | 0 | |
| 44 | 4124 | DIXON RES # 5 | 4 | 103 | LONG GULCH | 41 | | SW | NW | 24 | 8 | N | 89 | W | S | 9 | 0.7500 | A | S | 12/31/1994 | 12/31/1993 | 07/30/1942 | 0 | 52595.33813 | | 94CW0086 | 1 | | 0 | |
| 44 | 2129 | ESKRIDGE PL | 7 | 124 | MILL CK | 54 | | NE | SW | 9 | 8 | N | 87 | W | S | 891 | 0.0110 | C | S | 12/31/1980 | 12/31/1979 | 09/28/1979 | 0 | 47481.47387 | | 80CW0043 | 1 | | 0 | |
| 44 | 2131 | JOHNSONS QUAKER MT SPG | 4 | 124 | MILL CK | 54 | | SE | NW | 4 | 8 | N | 87 | W | S | 89 | 0.0110 | C | S | 12/31/1980 | 12/31/1979 | 07/12/1980 | 0 | 47675.00000 | | 80CW0086 | 1 | | 0 | |
| 44 | 2130 | NATES HIDEAWAY SPRING | 4 | 124 | MILL CK | 54 | | NW | NE | 4 | 8 | N | 87 | W | S | 89 | 0.0110 | C | S | 12/31/1980 | 12/31/1979 | 07/12/1980 | 0 | 47675.00000 | | 80CW0085 | 1 | | 0 | |
| 44 | 2132 | FREDRICK SPRING | 4 | 124 | MILL CK | 54 | | SE | SW | 4 | 8 | N | 87 | W | S | 169 | 0.0100 | C | S | 12/31/1980 | 12/31/1979 | 07/21/1980 | 0 | 47684.00000 | | 80CW0088 | 1 | | 0 | |
| 44 | 2249 | RUSTLERS SPRING | 4 | 124 | MILL CK | 54 | | SW | SW | 4 | 8 | N | 87 | W | S | 896 | 0.0110 | C | S | 12/31/1981 | 12/31/1980 | 09/01/1981 | 0 | 48091.00000 | | 81CW0193 | 1 | | 0 | |
| 44 | 4469 | JOHNSON RES 1 | 3 | 124 | MILL CK | 54 | | NW | SE | 4 | 8 | N | 87 | W | S | 690 | 22.0000 | A | S | 12/31/1982 | 12/31/1981 | 09/10/1980 | 0 | 48212.47735 | | 82CW0232 | 1 | | 0 | |
| 44 | 2132 | FREDRICK SPRING | 4 | 124 | MILL CK | 54 | | SE | SW | 4 | 8 | N | 87 | W | S | 689 | 0.0100 | C | S | 12/31/1982 | 12/31/1981 | 04/05/1982 | 0 | 48307.00000 | | 82CW0056 | 2 | | 0 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 2250 | RUSTLERS SPRING 2 | 4 | 124 | MILL CK | 54 | | SE | NW | 4 | 8 | N | 87 | W | S | 689 | 0.0330 | C | S,C | 12/31/1982 | 12/31/1981 | 12/15/1982 | 0 | 48561.00000 | | 82CW0231 | 1 | | 0 | |
| 44 | 2250 | RUSTLERS SPRING 2 | 4 | 124 | MILL CK | 54 | | SE | NW | 4 | 8 | N | 87 | W | S | 689 | 0.0330 | C | S,CA | 12/31/1982 | 12/31/1981 | 12/15/1982 | 0 | 48561.00000 | | 90CW0022 | 2 | | 0 | |
| 44 | 3746 | RAFTOPOULOS Q MTN RES 8 | 3 | 124 | MILL CK | 54 | | SE | SW | 8 | 8 | N | 87 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/25/1967 | 0 | 48577.42909 | | 83CW0175 | 1 | | 0 | |
| 44 | 3747 | RAFTOPOULOS Q MTN RES 9 | 3 | 124 | MILL CK | 54 | | SE | SW | 8 | 8 | N | 87 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 07/01/1967 | 0 | 48577.42915 | | 83CW0175 | 1 | | 0 | |
| 44 | 3750 | RAFTOPOULOS Q MTN RES 7 | 3 | 124 | MILL CK | 54 | | SW | SE | 8 | 8 | N | 87 | W | S | 9 | 1.0000 | A | S,C,AB | 12/31/1983 | 12/31/1982 | 11/16/1983 | 0 | 48897.00000 | | 83CW0175 | 2 | | 0 | ABANDONED 1 CFS 12/31/1988 |
| 44 | 3750 | RAFTOPOULOS Q MTN RES 7 | 3 | 124 | MILL CK | 54 | | SW | SE | 8 | 8 | N | 87 | W | S | 9 | 1.0000 | A | S,C | 12/31/1983 | 12/31/1982 | 11/16/1983 | 0 | 48897.00000 | | 83CW0175 | 1 | | 0 | |
| 44 | 1208 | MULKEY SPRING | 4 | 124 | MILL CK | 54 | | SW | NW | 4 | 8 | N | 87 | W | S | 189 | 0.0220 | C | S | 12/31/1986 | 12/31/1985 | 07/01/1985 | 0 | 49673.49490 | | 86CW0103 | 1 | | 0 | |
| 44 | 3938 | LOWER ERWIN RESERVOIR | 3 | 124 | MILL CK | 54 | | SW | NE | 4 | 8 | N | 87 | W | S | 569 | 1.0000 | A | S | 12/31/1987 | 12/31/1986 | 02/20/1981 | 0 | 50038.47898 | | 87CW0089 | 1 | | 0 | DECREED APPRO DATE IS 2/29/1981 |
| 44 | 3939 | UPPER ERWIN RESERVOIR | 3 | 124 | MILL CK | 54 | | NW | NE | 4 | 8 | N | 87 | W | S | 569 | 2.0000 | A | S | 12/31/1987 | 12/31/1986 | 02/28/1981 | 0 | 50038.47906 | | 87CW0089 | 1 | | 0 | DECREED APPRO DATE IS 2/29/1981 |
| 44 | 1210 | MULKEY SPRING 2 | 4 | 124 | MILL CK | 54 | | SW | NW | 4 | 8 | N | 87 | W | S | 9 | 0.0220 | C | S | 12/31/1987 | 12/31/1986 | 07/01/1983 | 0 | 50038.48759 | | 87CW0040 | 1 | | 0 | |
| 44 | 3936 | MULKEY RESERVOIR | 3 | 124 | MILL CK | 54 | | SW | NW | 4 | 8 | N | 87 | W | S | 9 | 1.2500 | A | S | 12/31/1987 | 12/31/1986 | 09/15/1985 | 0 | 50038.49566 | | 87CW0041 | 1 | | 0 | |
| 44 | 1261 | BILL'S SPRING | 4 | 124 | MILL CK | 54 | | NE | NE | 4 | 8 | N | 87 | W | S | 69 | 0.0330 | C | S | 12/31/1988 | 12/31/1987 | 02/28/1981 | 0 | 50403.47906 | | 88CW0027 | 1 | | 0 | DECREED APPRO DATE 2/29/1981 |
| 44 | 1262 | WHITE SPRING | 4 | 124 | MILL CK | 54 | | SW | NE | 4 | 8 | N | 87 | W | S | 8 | 0.0330 | C | S | 12/31/1988 | 12/31/1987 | 02/28/1981 | 0 | 50403.47906 | | 88CW0027 | 1 | | 0 | DECREED APPRO DATE IS 2/29/1981 |
| 44 | 4245 | BILL POND | 3 | 124 | MILL CK | 54 | | NE | NE | 4 | 6 | N | 87 | W | S | 58 | 0.1000 | A | S | 12/31/1990 | 12/31/1989 | 06/01/1990 | 0 | 51286.00000 | | 90CW0089 | 1 | | 0 | LOCAL CONTACT PHONE 824-6698 |
| 44 | 4244 | FAWNA POND | 3 | 124 | MILL CK | 54 | | NE | NE | 4 | 6 | N | 87 | W | S | 58 | 0.1000 | A | S | 12/31/1990 | 12/31/1989 | 06/01/1990 | 0 | 51286.00000 | | 90CW0089 | 1 | | 0 | LOCAL CONTACT PHONE 824-6698 |
| 44 | 4243 | JIM POND | 3 | 124 | MILL CK | 54 | | NE | NE | 4 | 8 | N | 87 | W | S | 58 | 0.1000 | A | S | 12/31/1990 | 12/31/1989 | 06/01/1990 | 0 | 51286.00000 | | 90CW0089 | 1 | | 0 | |
| 44 | 614 | ELLIS & KITCHENS D | 1 | 34 | NORTH FK of ELKHEAD CK | 54 | | NW | NW | 33 | 9 | N | 88 | W | S | 1 | 1.6600 | C | S | 10/01/1904 | 09/24/1904 | 05/26/1903 | 0 | 19990.19503 | 75 | | 1 | | 0 | HAS AP @ OLD ELLIS & KITCHENS DITCH |
| 44 | 614 | ELLIS & KITCHENS D | 1 | 34 | NORTH FK of ELKHEAD CK | 54 | | NW | NW | 33 | 9 | N | 88 | W | S | 1 | 11.6600 | C | S,C,AB | 10/01/1904 | 09/24/1904 | 05/26/1903 | 0 | 19990.19503 | 75 | 81CW0309 | 5 | | 0 | ABANDONED 11.66 CFS 3/9/90. |
| 44 | 614 | ELLIS & KITCHENS D | 1 | 34 | NORTH FK of ELKHEAD CK | 54 | | NW | NW | 33 | 9 | N | 88 | W | S | 1 | 17.6600 | C | S,C | 10/01/1904 | 09/24/1904 | 05/26/1903 | 0 | 19990.19503 | 75 | | 4 | | 0 | HAS AP @ OLD ELLIS & KITCHENS DITCH |
| 44 | 2211 | OLD ELLIS & KITCHENS DIT | 1 | 34 | NORTH FK of ELKHEAD CK | 41 | | | NW | 26 | 9 | N | 88 | W | S | 1 | 17.6600 | C | S,C,AP | 10/01/1904 | 09/24/1904 | 05/26/1903 | 0 | 19990.19503 | 75 | 81CW0309 | 2 | | 4400614 | ORIGINAL DITCH LOCATION; AP FOR ELLIS & KITCHENS D |
| 44 | 2211 | OLD ELLIS & KITCHENS DIT | 1 | 34 | NORTH FK of ELKHEAD CK | 41 | | | NW | 26 | 9 | N | 88 | W | S | 1 | 1.6600 | C | S,AP | 10/01/1904 | 09/24/1904 | 05/26/1903 | 0 | 19990.19503 | 75 | 81CW0309 | 1 | | 4400614 | ORIGINAL DITCH LOCATION; AP FOR ELLIS & KITCHENS D |
| 44 | 533 | ANDERSON DITCH | 1 | 34 | NORTH FK of ELKHEAD CK | 54 | | NW | SE | 6 | 8 | N | 88 | W | S | 1 | 5.0000 | C | S | 09/20/1906 | 09/26/1905 | 06/01/1906 | 0 | 20605.00000 | 82 | | 1 | | 0 | |
| 44 | 3677 | ANDERSON RES | 3 | 34 | NORTH FK of ELKHEAD CK | 54 | | NW | SE | 6 | 8 | N | 88 | W | S | 1 | 20.1100 | A | S | 09/20/1906 | 09/26/1905 | 06/01/1906 | 0 | 20605.00000 | 82 | | 1 | | 0 | |
| 44 | 3677 | ANDERSON RES | 3 | 34 | NORTH FK of ELKHEAD CK | 54 | | NW | SE | 6 | 8 | N | 88 | W | S | 1 | 110.9400 | A | S | 09/20/1906 | 09/26/1905 | 06/01/1906 | 0 | 20605.00000 | 82 | | 2 | | 0 | ABS 80CW241 |
| 44 | 3677 | ANDERSON RES | 3 | 34 | NORTH FK of ELKHEAD CK | 54 | | NW | SE | 6 | 8 | N | 88 | W | S | 1 | 12.1100 | A | S | 09/20/1906 | 09/26/1905 | 06/01/1906 | 0 | 20605.00000 | 82 | | 3 | | 0 | |
| 44 | 2362 | PARK IRRIGATION CANAL NO. 2 | 3 | 34 | NORTH FK of ELKHEAD CK | 54 | | | | | 8 | N | 88 | W | S | 18 | 652.0000 | C | S,C | 06/15/1911 | 06/14/1911 | 10/24/1904 | 0 | 22444.20020 | 78 1/2 AA | CA0663 | 1 | | 0 | PART OF GREAT NORTHERN PROJECT |
| 44 | 2362 | PARK IRRIGATION CANAL NO. 2 | 3 | 34 | NORTH FK of ELKHEAD CK | 54 | | | | | 8 | N | 88 | W | S | 18 | 587.0000 | C | S,C | 06/15/1911 | 06/14/1911 | 06/15/1909 | 0 | 22444.21715 | 86 | CA0663 | 2 | | 0 | PART OF GREAT NORTHERN PROJECT |
| 44 | 2022 | NORTH ELKHEAD FEEDER CNL | 1 | 34 | NORTH FK of ELKHEAD CK | 54 | | NE | NW | 5 | 8 | N | 88 | W | S | X | 145.0000 | C | S,C | 05/30/1972 | 09/01/1960 | 08/07/1962 | 0 | 41126.00000 | 42D | CA2259 | 1 | | 0 | DILIGENCE 85CW107,89CW101,96CW61 |
| 44 | 614 | ELLIS & KITCHENS D | 1 | 34 | NORTH FK of ELKHEAD CK | 54 | | NW | NW | 33 | 9 | N | 88 | W | S | 1 | 6.0000 | C | S,CA | 12/31/1975 | 12/31/1974 | 10/16/1966 | 0 | 45655.42657 | | 81CW0311 | 3 | | 0 | 6 CFS MADE ABS @ THIS LOCATION & DATES CHANGED |
| 44 | 3795 | TWO BAR BLM RES 42 | 3 | 34 | NORTH FK of ELKHEAD CK | 54 | | NW | NW | 32 | 9 | N | 88 | W | S | 9 | 2.0000 | A | S | 12/31/1983 | 12/31/1982 | 07/30/1963 | 0 | 48577.41483 | | 83CW0174 | 1 | | 0 | |
| 44 | 3796 | TWO BAR BLM RES 43 | 3 | 34 | NORTH FK of ELKHEAD CK | 54 | | SW | NW | 32 | 9 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 08/05/1963 | 0 | 48577.41489 | | 83CW0174 | 1 | | 0 | |
| 44 | 852 | ROCK SPRINGS GULCH DITCH | 1 | 97 | ROCK SPRINGS GULCH | 54 | | NE | SE | 25 | 7 | N | 89 | W | S | 81 | 2.0000 | C | S | 05/30/1972 | 09/01/1960 | 06/01/1948 | 0 | 40421.35946 | 18A | CA2259 | 1 | | 0 | |
| 44 | 1106 | BLAKE SPG NO 9 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NW | NW | 30 | 7 | N | 88 | W | S | 9 | 0.1000 | C | S | 12/31/1972 | 12/31/1971 | 06/10/1939 | 0 | 44559.32667 | | W0362-72 | 1 | | 0 | |
| 44 | 3923 | BLAKE STK POND NO 10 | 3 | 97 | ROCK SPRINGS GULCH | 54 | | NW | NW | 30 | 7 | N | 88 | W | S | 9 | 0.0200 | A | S | 12/31/1972 | 12/31/1971 | 06/10/1939 | 0 | 44559.32667 | | W0368-72 | 1 | | 0 | |
| 44 | 3922 | BLAKE STK POND NO 1 | 3 | 97 | ROCK SPRINGS GULCH | 54 | | NW | SW | 30 | 7 | N | 88 | W | S | 9 | 0.4000 | A | S | 12/31/1972 | 12/31/1971 | 07/10/1939 | 0 | 44559.32697 | | W0363-72 | 1 | | 0 | |
| 44 | 3731 | FREDRICKSON RES NO 1 | 3 | 97 | ROCK SPRINGS GULCH | 54 | | NW | SE | 11 | 7 | N | 89 | W | S | 89* | 5.2300 | A | S | 12/31/1972 | 12/31/1971 | 05/01/1950 | 0 | 44559.36645 | | W0154-72 | 1 | | 0 | |
| 44 | 3732 | FREDRICKSON RES NO 2 | 3 | 97 | ROCK SPRINGS GULCH | 54 | | SW | NE | 11 | 7 | N | 89 | W | S | 86* | 2.6400 | A | S | 12/31/1972 | 12/31/1971 | 05/01/1950 | 0 | 44559.36645 | | W0154-72 | 1 | | 0 | |
| 44 | 867 | LOUIS DITCH NO 1 | 1 | 97 | ROCK SPRINGS GULCH | 54 | | NW | SE | 11 | 7 | N | 89 | W | S | 189 | 2.7500 | C | S | 12/31/1972 | 12/31/1971 | 05/01/1950 | 0 | 44559.36645 | | W0153-72 | 1 | | 0 | |
| 44 | 867 | LOUIS DITCH NO 1 | 1 | 97 | ROCK SPRINGS GULCH | 54 | | NW | SE | 11 | 7 | N | 89 | W | S | 189 | 2.7500 | C | S,AB | 12/31/1972 | 12/31/1971 | 05/01/1950 | 0 | 44559.36645 | | 01CW0117 | 2 | | 0 | |
| 44 | 3733 | FREDRICKSON RES NO 3 | 3 | 97 | ROCK SPRINGS GULCH | 54 | | NW | NE | 11 | 7 | N | 89 | W | S | 619 | 9.3600 | A | S | 12/31/1972 | 12/31/1971 | 05/31/1958 | 0 | 44559.39597 | | W0154-72 | 1 | | 0 | |
| 44 | 3734 | FREDRICKSON RES NO 4 | 3 | 97 | ROCK SPRINGS GULCH | 54 | | NW | NE | 11 | 7 | N | 89 | W | S | 18* | 2.8100 | A | S | 12/31/1972 | 12/31/1971 | 05/31/1960 | 0 | 44559.40328 | | W0154-72 | 1 | | 0 | |
| 44 | 845 | LOUIS DITCH 2 | 1 | 97 | ROCK SPRINGS GULCH | 54 | | NW | NE | 11 | 7 | N | 89 | W | S | 189 | 2.7500 | C | S | 12/31/1972 | 12/31/1971 | 08/31/1971 | 0 | 44559.44437 | | W0153-72 | 1 | | 0 | |
| 44 | 793 | BLAKE SPG NO 7 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NW | NW | 30 | 7 | N | 88 | W | S | 9 | 0.1000 | C | S | 12/31/1972 | 12/31/1971 | 07/10/1972 | 0 | 44751.00000 | | W0362-72 | 1 | | 0 | |
| 44 | 1141 | BLAKE SPG NO 8 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NW | NW | 30 | 7 | N | 88 | W | S | 9 | 0.1000 | C | S | 12/31/1972 | 12/31/1971 | 07/10/1972 | 0 | 44751.00000 | | W0362-72 | 1 | | 0 | |
| 44 | 1032 | BLAKE SPG NO 11 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | NW | 30 | 7 | N | 88 | W | S | 9 | 0.1000 | C | S | 12/31/1972 | 12/31/1971 | 07/10/1972 | 0 | 44751.00000 | | W0362-72 | 1 | | 0 | |
| 44 | 1020 | BLAKE SPG NO 3 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SW | SW | 30 | 7 | N | 88 | W | S | 19 | 0.0800 | C | S | 12/31/1973 | 12/31/1972 | 07/06/1946 | 0 | 44925.35250 | | W0423-73 | 1 | | 0 | |
| 44 | 1028 | BLAKE DITCH NO A4 | 1 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SW | 30 | 7 | N | 88 | W | S | 19 | 0.1000 | C | S | 12/31/1973 | 12/31/1972 | 07/10/1972 | 0 | 44925.44751 | | W0423-73 | 1 | | 0 | |
| 44 | 1030 | BLAKE SPG NO 2 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NW | SW | 30 | 7 | N | 88 | W | S | 19 | 0.0500 | C | S | 12/31/1973 | 12/31/1972 | 07/10/1972 | 0 | 44925.44751 | | W0423-73 | 1 | | 0 | |
| 44 | 1031 | BLAKE SPG NO 4 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SW | 30 | 7 | N | 88 | W | S | 19 | 0.0500 | C | S | 12/31/1973 | 12/31/1972 | 07/10/1972 | 0 | 44925.44751 | | W0423-73 | 1 | | 0 | |
| 44 | 1029 | BLAKE SPG NO A3 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SW | SW | 30 | 7 | N | 88 | W | S | 19 | 0.0500 | C | S | 12/31/1973 | 12/31/1972 | 07/10/1972 | 0 | 44925.44751 | | W0423-73 | 1 | | 0 | |
| 44 | 1079 | ZEHNER SPG SITE D | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SW | SE | 30 | 7 | N | 88 | W | S | 189 | 0.0400 | C | S | 12/31/1974 | 12/31/1973 | 05/01/1939 | 0 | 45290.32627 | | W0739-74 | 1 | | 0 | |
| 44 | 1081 | ZEHNER SPG SITE F | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NE | NE | 36 | 7 | N | 89 | W | S | 9 | 0.0200 | C | S | 12/31/1974 | 12/31/1973 | 06/01/1969 | 0 | 45290.43616 | | W0736-74 | 1 | | 0 | |
| 44 | 2069 | COTTONWOOD SPG | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 11 | 7 | N | 89 | W | S | 9 | 0.0300 | C | S,C | 12/31/1977 | 12/31/1976 | 06/15/1976 | 0 | 46386.46187 | | W1129-77 | 1 | | 0 | |
| 44 | 2069 | COTTONWOOD SPG | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 11 | 7 | N | 89 | W | S | 9 | 0.0300 | C | S,CA | 12/31/1977 | 12/31/1976 | 06/15/1976 | 0 | 46386.46187 | | 81CW0250 | 2 | | 0 | |
| 44 | 2071 | EAST SUNSHINE SPG | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | NE | 14 | 7 | N | 89 | W | S | 8 | 0.0300 | C | S | 12/31/1977 | 12/31/1976 | 06/15/1976 | 0 | 46386.46187 | | W1129-77 | 1 | | 0 | |
| 44 | 2081 | HILLSIDER SPG | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | NW | 13 | 7 | N | 89 | W | S | 9 | 0.0300 | C | S,C | 12/31/1977 | 12/31/1976 | 06/15/1976 | 0 | 46386.46187 | | W1129-77 | 1 | | 0 | |
| 44 | 2081 | HILLSIDER SPG | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | NW | 13 | 7 | N | 89 | W | S | 9 | 0.0300 | C | S,CA | 12/31/1977 | 12/31/1976 | 06/15/1976 | 0 | 46386.46187 | | 81CW0250 | 2 | | 0 | |
| 44 | 2098 | NORTHEASTER SPRING | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 11 | 7 | N | 89 | W | S | 9 | 0.0300 | C | S,C | 12/31/1977 | 12/31/1976 | 06/15/1976 | 0 | 46386.46187 | | W1129-77 | 1 | | 0 | |
| 44 | 2098 | NORTHEASTER SPRING | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 11 | 7 | N | 89 | W | S | 9 | 0.0300 | C | S,C,AB | 12/31/1977 | 12/31/1976 | 06/15/1976 | 0 | 46386.46187 | | W1129-77 | 2 | | 0 | ABANDONED .03 CFS 81CW250 |
| 44 | 2108 | WEST SUNSHINE SPG | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | NE | 14 | 7 | N | 89 | W | S | 8 | 0.0300 | C | S | 12/31/1977 | 12/31/1976 | 06/15/1976 | 0 | 46386.46187 | | W1129-77 | 1 | | 0 | |
| 44 | 849 | MINA SPRING | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NE | SE | 11 | 7 | N | 89 | W | S | 89 | 0.0220 | C | S,C | 12/31/1977 | 12/31/1976 | 07/11/1977 | 0 | 46578.00000 | | W1161-77 | 1 | | 0 | |
| 44 | 849 | MINA SPRING | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NE | SE | 11 | 7 | N | 89 | W | S | 89 | 0.0220 | C | S,C,AB | 12/31/1977 | 12/31/1976 | 07/11/1977 | 0 | 46578.00000 | | W1161-77 | 2 | | 0 | ABANDONED .022 CFS 2/5/87 |
| 44 | 881 | SJOSTROM SPG NO 1 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SW | NE | 14 | 7 | N | 89 | W | S | 9 | 0.1000 | C | S | 12/31/1977 | 12/31/1976 | 08/01/1977 | 0 | 46599.00000 | | W1219-77 | 1 | | 0 | |
| 44 | 882 | JACK SPG 1 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NE | NE | 25 | 7 | N | 89 | W | S | 916 | 0.0330 | C | S | 12/31/1977 | 12/31/1976 | 08/25/1977 | 0 | 46623.00000 | | W1175-77 | 1 | | 0 | |
| 44 | 883 | JACK SPG 2 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 24 | 7 | N | 89 | W | S | 69 | 0.0330 | C | S | 12/31/1977 | 12/31/1976 | 08/25/1977 | 0 | 46623.00000 | | W1175-77 | 1 | | 0 | |
| 44 | 4335 | JACK RES 2 | 3 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 24 | 7 | N | 89 | W | S | 896 | 3.0000 | A | S | 12/31/1980 | 12/31/1979 | 06/01/1946 | 0 | 47481.35215 | | 80CW0003 | 1 | | 0 | |
| 44 | 4336 | JACK RES 3 | 3 | 97 | ROCK SPRINGS GULCH | 54 | | NW | NE | 24 | 7 | N | 89 | W | S | 896 | 3.0000 | A | S | 12/31/1980 | 12/31/1979 | 06/01/1946 | 0 | 47481.35215 | | 80CW0003 | 1 | | 0 | |
| 44 | 4334 | JACK RES 1 | 3 | 97 | ROCK SPRINGS GULCH | 54 | | SE | NE | 25 | 7 | N | 89 | W | S | 896 | 3.0000 | A | S | 12/31/1980 | 12/31/1979 | 06/01/1948 | 0 | 47481.35946 | | 80CW0003 | 1 | | 0 | |
| 44 | 2085 | JACK SPG 4 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | NW | 24 | 7 | N | 89 | W | S | 689 | 0.0510 | C | S | 12/31/1980 | 12/31/1979 | 07/01/1979 | 0 | 47481.47298 | | 80CW0002 | 1 | | 0 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 2086 | JACK SPG 5 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SW | 24 | 7 | N | 89 | W | S | 689 | 0.0330 | C | S,C | 12/31/1980 | 12/31/1979 | 01/03/1980 | 0 | 47484.00000 | | 80CW0002 | 1 | | 0 | |
| 44 | 2086 | JACK SPG 5 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SW | 24 | 7 | N | 89 | W | S | 689 | 0.0330 | C | S,C,AB | 12/31/1980 | 12/31/1979 | 01/03/1980 | 0 | 47484.00000 | | 80CW0002 | 3 | | 0 | ABANDONED 02/28/1985 |
| 44 | 2087 | JACK SPG 6 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NW | SE | 25 | 7 | N | 89 | W | S | 689 | 0.0330 | C | S,C | 12/31/1980 | 12/31/1979 | 01/03/1980 | 0 | 47484.00000 | | 80CW0002 | 1 | | 0 | |
| 44 | 2087 | JACK SPG 6 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NW | SE | 25 | 7 | N | 89 | W | S | 689 | 0.0330 | C | S,C,AB | 12/31/1980 | 12/31/1979 | 01/03/1980 | 0 | 47484.00000 | | 80CW0002 | 3 | | 0 | ABANDONED 02/28/1985 |
| 44 | 2088 | JACK SPG 7 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 25 | 7 | N | 89 | W | S | 689 | 0.0330 | C | S,C | 12/31/1980 | 12/31/1979 | 01/03/1980 | 0 | 47484.00000 | | 80CW0002 | 1 | | 0 | |
| 44 | 2088 | JACK SPG 7 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 25 | 7 | N | 89 | W | S | 689 | 0.0330 | C | S,C,AB | 12/31/1980 | 12/31/1979 | 01/03/1980 | 0 | 47484.00000 | | 80CW0002 | 3 | | 0 | ABANDONED 02/28/1985 |
| 44 | 2062 | CARL SPG | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NW | NW | 24 | 7 | N | 89 | W | S | 89 | 0.1000 | C | S | 12/31/1980 | 12/31/1979 | 06/26/1980 | 0 | 47659.00000 | | 80CW0071 | 1 | | 0 | |
| 44 | 2103 | SJOSTROM SPG NO 2 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 14 | 7 | N | 89 | W | S | 89 | 0.0330 | C | S,C | 12/31/1980 | 12/31/1979 | 12/31/1980 | 0 | 47847.00000 | | 80CW0253 | 1 | | 0 | |
| 44 | 2103 | SJOSTROM SPG NO 2 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 14 | 7 | N | 89 | W | S | 89 | 0.0330 | C | S,CA | 12/31/1980 | 12/31/1979 | 12/31/1980 | 0 | 47847.00000 | | 85CW0023 | 2 | | 0 | |
| 44 | 2104 | SJOSTROM SPG NO 3 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SW | SE | 11 | 7 | N | 89 | W | S | 89 | 0.0330 | C | S,C | 12/31/1980 | 12/31/1979 | 12/31/1980 | 0 | 47847.00000 | | 80CW0253 | 1 | | 0 | |
| 44 | 2104 | SJOSTROM SPG NO 3 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SW | SE | 11 | 7 | N | 89 | W | S | 89 | 0.0330 | C | S,CA | 12/31/1980 | 12/31/1979 | 12/31/1980 | 0 | 47847.00000 | | 85CW0042 | 2 | | 0 | |
| 44 | 2199 | BACKES SPRING | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | NE | 24 | 7 | N | 89 | W | S | 189 | 0.0330 | C | S | 12/31/1981 | 12/31/1980 | 06/05/1920 | 0 | 47847.25723 | | 81CW0155 | 1 | | 0 | |
| 44 | 1235 | BEST SPRING | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SW | SW | 19 | 7 | N | 88 | W | S | 19 | 0.0110 | C | S | 12/31/1988 | 12/31/1987 | 07/01/1961 | 0 | 50403.40724 | | 88CW0091 | 1 | | 0 | |
| 44 | 1271 | SILVER SPRING | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SW | SE | 11 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1988 | 12/31/1987 | 07/01/1984 | 0 | 50403.49125 | | 88CW0096 | 1 | | 0 | |
| 44 | 1744 | ADAMS SPRING | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SW | 19 | 7 | N | 88 | W | S | 9 | 0.0330 | C | S | 12/31/1995 | 12/31/1994 | 06/30/1995 | 0 | 53141.00000 | | 95CW0131 | 1 | | 0 | |
| 44 | 1922 | PATRICK & GLENDA SPG #1 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NE | NW | 31 | 7 | N | 88 | W | S | 189 | 0.0440 | C | S | 12/31/1998 | 12/31/1997 | 07/22/1998 | 0 | 54259.00000 | | 98CW0058 | 1 | | 0 | |
| 44 | 1896 | QUIET SPRING | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NE | NE | 24 | 7 | N | 89 | W | S | 9 | 0.0044 | C | S | 12/31/1998 | 12/31/1997 | 08/01/1998 | 0 | 54269.00000 | | 98CW0034 | 1 | | 0 | |
| 44 | 2086 | JACK SPG 5 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SW | 24 | 7 | N | 89 | W | S | 9W | 0.0330 | C | S | 12/31/1998 | 12/31/1997 | 11/23/1998 | 0 | 54383.00000 | | 98CW0060 | 2 | | 0 | |
| 44 | 2087 | JACK SPG 6 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NW | SE | 25 | 7 | N | 89 | W | S | 9W | 0.0330 | C | S | 12/31/1998 | 12/31/1997 | 11/23/1998 | 0 | 54383.00000 | | 98CW0060 | 2 | | 0 | |
| 44 | 2088 | JACK SPG 7 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | SE | SE | 25 | 7 | N | 89 | W | S | 9W | 0.0330 | C | S | 12/31/1998 | 12/31/1997 | 11/23/1998 | 0 | 54383.00000 | | 98CW0060 | 2 | | 0 | |
| 44 | 1974 | PATRICK & GLENDA SPG #2 | 4 | 97 | ROCK SPRINGS GULCH | 54 | | NW | NW | 31 | 7 | N | 88 | W | S | 9 | 0.0440 | C | S | 12/31/2001 | 12/31/2000 | 07/01/2000 | 0 | 55152.54969 | | 01CW0010 | 1 | | 0 | |
| 44 | 772 | STUCKEY DITCH | 1 | 46 | STUCKEY CK | 54 | | SE | NW | 8 | 9 | N | 87 | W | S | 1 | 7.7500 | C | S,AB | 09/29/1910 | 06/17/1910 | 08/03/1906 | 0 | 22082.20668 | 82AA | 91CW0116 | 2 | | 0 | |
| 44 | 772 | STUCKEY DITCH | 1 | 46 | STUCKEY CK | 54 | | SE | NW | 8 | 9 | N | 87 | W | S | 1 | 7.7500 | C | S | 09/29/1910 | 06/17/1910 | 08/03/1906 | 0 | 22082.20668 | 82AA | | 1 | | 0 | |
| 44 | 663 | JOKODOWSKY DITCH | 1 | 43 | SUGAR CK | 54 | | NW | SW | 4 | 9 | N | 87 | W | S | 1 | 1.5000 | C | S,C,AB | 06/22/1909 | 10/08/1908 | 07/15/1906 | 0 | 21465.20649 | 82A | 84CW0071 | 4 | | 0 | |
| 44 | 663 | JOKODOWSKY DITCH | 1 | 43 | SUGAR CK | 54 | | NW | SW | 4 | 9 | N | 87 | W | S | 1 | 1.5000 | C | S,C | 06/22/1909 | 10/08/1908 | 07/15/1906 | 0 | 21465.20649 | 82A | | 2 | | 0 | |
| 44 | 663 | JOKODOWSKY DITCH | 1 | 43 | SUGAR CK | 54 | | NW | SW | 4 | 9 | N | 87 | W | S | 1 | 1.0000 | C | S,AB | 06/22/1909 | 10/08/1908 | 07/15/1906 | 0 | 21465.20649 | 82A | 91CW0116 | 3 | | 0 | |
| 44 | 663 | JOKODOWSKY DITCH | 1 | 43 | SUGAR CK | 54 | | NW | SW | 4 | 9 | N | 87 | W | S | 1 | 1.0000 | C | S | 06/22/1909 | 10/08/1908 | 07/15/1906 | 0 | 21465.20649 | 82A | | 1 | | 0 | HAS 2ND HDGT N FK SUGAR CR. |
| 44 | 2106 | TORSO CREEK MSF | 0 | 121 | TORSO CK | 54 | | NW | NW | 6 | 9 | N | 86 | W | S | M | 1.0000 | C | S | 12/31/1977 | 12/31/1976 | 09/23/1977 | 0 | 46652.00000 | | W1343-77 | 1 | | 0 | HEADWATERS TO ELKHEAD CR |
| 44 | 6081 | VAN TASSEL WELL 1 | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | NE | 36 | 7 | N | 90 | W | S | 89 | 0.0180 | C | O | 12/31/1972 | | 07/01/1900 | 0 | 18444.00000 | | W0291-72 | 1 | | 0 | |
| 44 | 6037 | HUDACK WELL NO 1 | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SE | 5 | 7 | N | 89 | W | S | 18 | 0.0330 | C | O | 12/31/1974 | | 06/20/1919 | 0 | 25372.00000 | | W0747-74 | 1 | | 0 | |
| 44 | 6082 | VAN TASSEL WELL 2 | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | SE | 25 | 7 | N | 90 | W | S | 89 | 0.0180 | C | O | 12/31/1972 | | 09/01/1947 | 0 | 35672.00000 | | W0291-72 | 1 | | 0 | |
| 44 | 6083 | VAN TASSEL WELL 3 | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SE | 25 | 7 | N | 90 | W | S | 89 | 0.0180 | C | O | 12/31/1972 | | 09/15/1947 | 0 | 35686.00000 | | W0291-72 | 1 | | 0 | |
| 44 | 6084 | VAN TASSEL WELL 4 | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | SE | 30 | 7 | N | 89 | W | S | 89 | 0.0090 | C | O | 12/31/1972 | | 07/01/1952 | 0 | 37437.00000 | | W0291-72 | 1 | | 0 | |
| 44 | 6086 | VAN TASSEL WELL 6 | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 25 | 7 | N | 90 | W | S | 89 | 0.0180 | C | O | 12/31/1972 | | 07/01/1954 | 0 | 38167.00000 | | W0293-72 | 1 | | 0 | |
| 44 | 6085 | VAN TASSEL WELL 5 | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 25 | 7 | N | 90 | W | S | 89 | 0.0180 | C | O | 12/31/1972 | | 07/01/1963 | 0 | 41454.00000 | | W0293-72 | 1 | | 0 | |
| 44 | 6111 | JOHN BRYANT WELL | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | NW | 9 | 7 | N | 89 | W | S | 8 | 0.0330 | C | O | 12/31/1980 | | 06/14/1968 | 0 | 43264.00000 | | 80CW0183 | 1 | | 0 | |
| 44 | 1034 | CARNS SPG NO 3 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SW | 4 | 7 | N | 88 | W | S | 9 | 0.0040 | C | S | 12/31/1972 | 12/31/1971 | 06/01/1948 | 0 | 44559.35946 | | W0184-72 | 1 | | 0 | |
| 44 | 1076 | HUDACK SPG NO 4 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | NE | 7 | 7 | N | 89 | W | S | 890 | 0.0111 | C | S | 12/31/1974 | 12/31/1973 | 07/01/1930 | 0 | 45290.29401 | | W0745-74 | 1 | | 0 | |
| 44 | 1075 | HUDACK SPG NO 3 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | NE | 7 | 7 | N | 89 | W | S | 890 | 0.0111 | C | S | 12/31/1974 | 12/31/1973 | 06/18/1951 | 0 | 45290.37058 | | W0745-74 | 1 | | 0 | |
| 44 | 6115 | MALBURG WELL | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | NE | 9 | 7 | N | 89 | W | S | 8 | 0.0330 | C | O | 12/31/1980 | | 05/23/1974 | 0 | 45433.00000 | | 80CW0183 | 1 | | 0 | |
| 44 | 6023 | ELKHEAD DOMESTIC WELL | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 16 | 7 | N | 89 | W | S | 8 | 0.0110 | C | O | 12/31/1975 | | 10/02/1974 | 0 | 45565.00000 | | W0930-75 | 1 | | 0 | |
| 44 | 2039 | FUNK SPG NO 1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | NW | 14 | 7 | N | 89 | W | S | 189 | 0.0400 | C | S | 12/31/1977 | 12/31/1976 | 07/01/1920 | 0 | 46386.25749 | | W1169-77 | 1 | | 0 | |
| 44 | 846 | MOORE SPG. #1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | SE | 6 | 7 | N | 88 | W | S | 9 | 0.0450 | C | S | 12/31/1977 | 12/31/1976 | 07/15/1977 | 0 | 46582.00000 | | W1217-77 | 1 | | 0 | |
| 44 | 2040 | FUNK SPG NO 2 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | NW | 14 | 7 | N | 89 | W | S | 89 | 0.0300 | C | S,C | 12/31/1977 | 12/31/1976 | 07/26/1977 | 0 | 46593.00000 | | W1169-77 | 1 | | 0 | |
| 44 | 2040 | FUNK SPG NO 2 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | NW | 14 | 7 | N | 89 | W | S | 89 | 0.0300 | C | S,C,AB | 12/31/1977 | 12/31/1976 | 07/26/1977 | 0 | 46593.00000 | | W1169-77 | 2 | | 0 | ABANDONED .03 CFS 2/5/1987 |
| 44 | 2058 | BOWER SPG | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | SE | 6 | 7 | N | 88 | W | S | 891 | 0.0330 | C | S | 12/31/1979 | 12/31/1978 | 07/25/1910 | 0 | 47116.22120 | | 79CW0119 | 1 | | 0 | |
| 44 | 2089 | JACK SPG 3 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | SW | 23 | 7 | N | 89 | W | S | 89 | 0.0330 | C | S | 12/31/1979 | 12/31/1978 | 07/18/1978 | 0 | 47116.46950 | | 79CW0161 | 1 | | 0 | |
| 44 | 6160 | HOLLOWAY WELL | 2 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | NW | 29 | 7 | N | 88 | W | S | 8 | 0.0270 | C | O | 12/31/1980 | | 08/07/1979 | 0 | 47335.00000 | | 80CW0226 | 1 | | 0 | |
| 44 | 4328 | CARNS RES | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SW | 4 | 7 | N | 88 | W | S | X | 4.0000 | A | S | 12/31/1980 | 12/31/1979 | 08/10/1965 | 0 | 47481.42225 | | 80CW0178 | 1 | | 0 | |
| 44 | 2109 | YARD SPG | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 20 | 7 | N | 89 | W | S | 198 | 0.0330 | C | S | 12/31/1980 | 12/31/1979 | 07/14/1980 | 0 | 47677.00000 | | 80CW0114 | 1 | | 0 | |
| 44 | 4437 | KITCHENS & KLECKNER RES | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | SW | 34 | 9 | N | 88 | W | S | 48* | 30.0000 | A | S | 12/31/1981 | 12/31/1980 | 08/01/1902 | 0 | 47847.19205 | | 81CW0308 | 1 | | 0 | |
| 44 | 2370 | CANFIELD SPG | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | NW | 30 | 7 | N | 88 | W | S | 189 | 0.0110 | C | S | 12/31/1981 | 12/31/1980 | 07/01/1961 | 0 | 47847.40724 | | 81CW0023 | 1 | | 0 | |
| 44 | 4438 | KARO DIVERSION & RES | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 20 | 7 | N | 89 | W | S | 48* | 1.0000 | A | S | 12/31/1981 | 12/31/1980 | 06/16/1981 | 0 | 48014.00000 | | 81CW0125 | 1 | | 0 | |
| 44 | 2166 | FREDRICKSON SPG NO 1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | NE | 15 | 7 | N | 89 | W | S | 89 | 0.0330 | C | S | 12/31/1981 | 12/31/1980 | 10/12/1981 | 0 | 48132.00000 | | 81CW0251 | 1 | | 0 | |
| 44 | 2167 | FREDRICKSON SPG NO 2 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | NE | 15 | 7 | N | 89 | W | S | 89 | 0.0330 | C | S | 12/31/1981 | 12/31/1980 | 10/12/1981 | 0 | 48132.00000 | | 81CW0251 | 1 | | 0 | |
| 44 | 2315 | DEAD HORSE SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | NW | 15 | 8 | N | 88 | W | S | 9 | 0.0330 | C | S | 12/31/1982 | 12/31/1981 | 08/20/1981 | 0 | 48212.48079 | | 82CW0207 | 1 | | 0 | |
| 44 | 3424 | HOWE DAM 1 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | NE | 16 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1982 | 12/31/1981 | 10/20/1982 | 0 | 48505.00000 | | 82CW0205 | 1 | | 0 | |
| 44 | 3892 | SMITH RANCHO RES 44 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | NW | 22 | 8 | N | 89 | W | S | 9 | 2.0000 | A | S | 12/31/1983 | 12/31/1982 | 08/01/1950 | 0 | 48577.36737 | | 83CW0162 | 1 | | 0 | |
| 44 | 3893 | SMITH RANCHO RES 45 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | NE | 22 | 8 | N | 89 | W | S | 9 | 2.0000 | A | S | 12/31/1983 | 12/31/1982 | 08/15/1950 | 0 | 48577.36751 | | 83CW0162 | 1 | | 0 | |
| 44 | 3894 | SMITH RANCHO RES 46 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | NW | 33 | 8 | N | 88 | W | S | 9 | 2.0000 | A | S | 12/31/1983 | 12/31/1982 | 09/01/1950 | 0 | 48577.36768 | | 83CW0162 | 1 | | 0 | |
| 44 | 3895 | SMITH RANCHO RES 47 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | NW | 34 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 09/15/1950 | 0 | 48577.36782 | | 83CW0162 | 1 | | 0 | |
| 44 | 3896 | SMITH RANCHO RES 48 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | SE | 28 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 10/01/1950 | 0 | 48577.36798 | | 83CW0162 | 1 | | 0 | |
| 44 | 3508 | SMITH RANCHO RES 50 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | SW | 12 | 8 | N | 88 | W | S | 9 | 2.0000 | A | S | 12/31/1983 | 12/31/1982 | 08/15/1955 | 0 | 48577.38516 | | 83CW0161 | 1 | | 0 | |
| 44 | 3507 | SMITH RANCHO RES 49 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | SW | 1 | 8 | N | 88 | W | S | 9 | 45.0000 | A | S | 12/31/1983 | 12/31/1982 | 07/01/1955 | 0 | 48577.38532 | | 83CW0161 | 1 | | 0 | |
| 44 | 3788 | TWO BAR BLM RES 36 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | NW | 7 | 8 | N | 88 | W | S | 9 | 0.5000 | A | S | 12/31/1983 | 12/31/1982 | 06/15/1963 | 0 | 48577.41438 | | 83CW0174 | 1 | | 0 | |
| 44 | 3792 | TWO BAR BLM RES 39 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | NW | 6 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/20/1963 | 0 | 48577.41443 | | 83CW0174 | 1 | | 0 | |
| 44 | 3793 | TWO BAR BLM RES 40 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | NW | 6 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/25/1963 | 0 | 48577.41448 | | 83CW0174 | 1 | | 0 | |
| 44 | 3798 | TWO BAR BLM RES 40A | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | NW | 6 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 06/30/1963 | 0 | 48577.41453 | | 83CW0174 | 1 | | 0 | |
| 44 | 3794 | TWO BAR BLM RES 41 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SE | 31 | 9 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 07/05/1963 | 0 | 48577.41458 | | 83CW0174 | 1 | | 0 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 3852 | TWO BAR RES 124 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | NE | 7 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 08/20/1969 | 0 | 48577.43696 | | 83CW0170 | 1 | | 0 | | |
| 44 | 3853 | TWO BAR RES 125 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SE | 6 | 8 | N | 88 | W | S | 9 | 10.0000 | A | S | 12/31/1983 | 12/31/1982 | 09/01/1969 | 0 | 48577.43708 | | 83CW0170 | 1 | | 0 | | |
| 44 | 3854 | TWO BAR RES 126 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | SW | 6 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 09/10/1969 | 0 | 48577.43717 | | 83CW0170 | 1 | | 0 | | |
| 44 | 3856 | TWO BAR RES 128 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | SE | 6 | 8 | N | 88 | W | S | 9 | 2.0000 | A | S | 12/31/1983 | 12/31/1982 | 09/15/1969 | 0 | 48577.43722 | | 83CW0170 | 1 | | 0 | | |
| 44 | 3857 | TWO BAR RES 129 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | SE | 6 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 09/20/1969 | 0 | 48577.43727 | | 83CW0170 | 1 | | 0 | | |
| 44 | 3858 | TWO BAR RES 130 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | NW | 6 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 10/01/1969 | 0 | 48577.43738 | | 83CW0170 | 1 | | 0 | | |
| 44 | 3855 | TWO BAR RES 127 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | SW | 6 | 8 | N | 88 | W | S | 9 | 0.2500 | A | S | 12/31/1983 | 12/31/1982 | 09/10/1974 | 0 | 48577.45543 | | 83CW0170 | 1 | | 0 | | |
| 44 | 3787 | TWO BAR BLM RES 35 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SW | 6 | 8 | N | 88 | W | S | 9 | 0.5000 | A | S | 12/31/1983 | 12/31/1982 | 07/10/1975 | 0 | 48577.45846 | | 83CW0174 | 1 | | 0 | | |
| 44 | 3789 | TWO BAR BLM RES 37 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SW | 6 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 07/15/1975 | 0 | 48577.45851 | | 83CW0174 | 1 | | 0 | | |
| 44 | 3791 | TWO BAR BLM RES 38 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SW | 6 | 8 | N | 88 | W | S | 9 | 1.0000 | A | S | 12/31/1983 | 12/31/1982 | 07/20/1975 | 0 | 48577.45856 | | 83CW0174 | 1 | | 0 | | |
| 44 | 1192 | MANY DAM SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | NW | 32 | 9 | N | 88 | W | S | 90 | 0.0010 | C | S | 12/31/1983 | 12/31/1982 | 09/30/1982 | 0 | 48577.48485 | | 83CW0127 | 1 | | 0 | | |
| 44 | 2389 | FREDRICKSON SPG NO 4 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | NE | 15 | 7 | N | 89 | W | S | 89 | 0.0330 | C | S | 12/31/1984 | 12/31/1983 | 09/23/1979 | 0 | 48942.47382 | | 84CW0051 | 1 | | 0 | | |
| 44 | 2388 | FREDRICKSON SPG NO 3 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | NE | 15 | 7 | N | 89 | W | S | 89 | 0.0330 | C | S | 12/31/1984 | 12/31/1983 | 12/10/1983 | 0 | 48942.48921 | | 84CW0051 | 1 | | 0 | | |
| 44 | 2378 | COFFEE SPRING 1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | NW | 5 | 8 | N | 87 | W | S | 8 | 0.0110 | C | S,C | 12/31/1984 | 12/31/1983 | 01/24/1984 | 0 | 48966.00000 | | 84CW0004 | 1 | | 0 | | |
| 44 | 2378 | COFFEE SPRING 1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | NW | 5 | 8 | N | 87 | W | S | 8 | 0.0110 | C | S,C,AB | 12/31/1984 | 12/31/1983 | 01/24/1984 | 0 | 48966.00000 | | 84CW0004 | 2 | | 0 | DILIGENCE 87CW88,94CW31. ABANDONED .011CFS 10/10/200 | |
| 44 | 1265 | TRACEY SPRING 1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | SE | 20 | 8 | N | 88 | W | S | 89 | 0.0200 | C | S | 12/31/1988 | 12/31/1987 | 05/01/1906 | 0 | 50403.20574 | | 88CW0002 | 1 | | 0 | | |
| 44 | 1266 | TRACEY SPRING 2 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | SE | 20 | 8 | N | 88 | W | S | 9 | 0.0020 | C | S | 12/31/1988 | 12/31/1987 | 08/30/1987 | 0 | 50403.50280 | | 88CW0002 | 1 | | 0 | | |
| 44 | 1264 | TRACEY SPRING 3 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | NW | 20 | 8 | N | 88 | W | S | 9 | 0.0110 | C | S | 12/31/1988 | 12/31/1987 | 09/30/1987 | 0 | 50403.50311 | | 88CW0002 | 1 | | 0 | | |
| 44 | 1363 | PANKEY NO 1 D & LIV DIVR | 1 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | SE | 19 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1990 | 12/31/1989 | 11/14/1990 | 0 | 51452.00000 | | 90CW0157 | 1 | | 0 | | |
| 44 | 1363 | PANKEY NO 1 D & LIV DIVR | 1 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | SE | 19 | 7 | N | 89 | W | S | 1 | 1.0000 | C | S,C | 12/31/1990 | 12/31/1989 | 11/14/1990 | 0 | 51452.00000 | | 90CW0157 | 2 | | 0 | | |
| 44 | 1363 | PANKEY NO 1 D & LIV DIVR | 1 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | SE | 19 | 7 | N | 89 | W | S | 1 | 1.0000 | C | S,C,AB | 12/31/1990 | 12/31/1989 | 11/14/1990 | 0 | 51452.00000 | | 90CW0157 | 3 | | 0 | ABAND 1 CFS 8/12/97. | |
| 44 | 1277 | ZULIAN SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | NE | 9 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1991 | 12/31/1990 | 06/10/1991 | 0 | 51660.00000 | | 91CW0056 | 1 | | 0 | | |
| 44 | 1415 | ZULIAN SPRING NO 2 | | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 9 | 7 | N | 89 | W | S | 9 | 0.0110 | C | S | 12/31/1993 | 12/31/1992 | 08/01/1993 | 0 | 52443.00000 | | 93CW0070 | 1 | | 0 | | |
| 44 | 4202 | PEED RESERVOIR #1 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | SE | 8 | 7 | N | 89 | W | S | 9 | 1.0000 | A | S | 12/31/1995 | 12/31/1994 | 04/15/1957 | 0 | 52960.39188 | | 95CW0076 | 1 | | 0 | | |
| 44 | 1727 | BULL GULCH SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | NW | 19 | 8 | N | 87 | W | S | 9 | 0.0100 | C | S | 12/31/1995 | 12/31/1994 | 06/01/1963 | 0 | 52960.41424 | | 95CW0086 | 1 | | 0 | | |
| 44 | 1728 | FERGESON SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | SE | 13 | 8 | N | 88 | W | S | 9 | 0.0100 | C | S | 12/31/1995 | 12/31/1994 | 06/01/1963 | 0 | 52960.41424 | | 95CW0086 | 1 | | 0 | | |
| 44 | 1729 | FULTON SPRING # 8 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SE | 12 | 8 | N | 88 | W | S | 9 | 0.0100 | C | S | 12/31/1995 | 12/31/1994 | 06/01/1963 | 0 | 52960.41424 | | 95CW0086 | 1 | | 0 | | |
| 44 | 1730 | FULTON SPRING # 9 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | SW | 7 | 8 | N | 87 | W | S | 9 | 0.0100 | C | S | 12/31/1995 | 12/31/1994 | 06/01/1963 | 0 | 52960.41424 | | 95CW0088 | 1 | | 0 | | |
| 44 | 4203 | PEED RESERVOIR #2 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | SE | 8 | 7 | N | 89 | W | S | 9 | 0.2500 | A | S | 12/31/1995 | 12/31/1994 | 04/15/1975 | 0 | 52960.45760 | | 95CW0076 | 1 | | 0 | A | |
| 44 | 4205 | PEED RESERVOIR #4 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | NW | 8 | 7 | N | 89 | W | S | 9 | 0.2500 | A | S | 12/31/1995 | 12/31/1994 | 05/10/1975 | 0 | 52960.45785 | | 95CW0076 | 1 | | 0 | | |
| 44 | 4206 | PEED RESERVOIR #5 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | NW | 8 | 7 | N | 89 | W | S | 9 | 0.5000 | A | S | 12/31/1995 | 12/31/1994 | 05/10/1975 | 0 | 52960.45785 | | 95CW0076 | 1 | | 0 | | |
| 44 | 1732 | KARO #3 SPRING AND DITCH | 1 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 20 | 7 | N | 89 | W | S | 19 | 0.0330 | C | S | 12/31/1995 | 12/31/1994 | 11/15/1981 | 0 | 52960.48166 | | 95CW0151 | 1 | | 0 | | |
| 44 | 4204 | PEED RESERVOIR #3 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | NE | 8 | 7 | N | 89 | W | S | 9 | 0.2500 | A | S | 12/31/1995 | 12/31/1994 | 04/15/1988 | 0 | 52960.50509 | | 95CW0076 | 1 | | 0 | | |
| 44 | 1720 | DAVENPORT SPRING #1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SE | 17 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1995 | 12/31/1994 | 12/28/1994 | 0 | 52960.52957 | | 95CW0005 | 1 | | 0 | | |
| 44 | 1721 | DAVENPORT SPRING #2 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 9 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1995 | 12/31/1994 | 12/28/1994 | 0 | 52960.52957 | | 95CW0005 | 1 | | 0 | | |
| 44 | 1722 | DAVENPORT SPRING #3 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 17 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1995 | 12/31/1994 | 12/28/1994 | 0 | 52960.52957 | | 95CW0005 | 1 | | 0 | | |
| 44 | 1723 | DAVENPORT SPRING #4 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | NW | 17 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1995 | 12/31/1994 | 12/28/1994 | 0 | 52960.52957 | | 95CW0005 | 1 | | 0 | | |
| 44 | 1724 | DAVENPORT SPRING #5 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | NE | 18 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1995 | 12/31/1994 | 12/28/1994 | 0 | 52960.52957 | | 95CW0005 | 1 | | 0 | | |
| 44 | 1725 | DAVENPORT SPRING #6 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | SE | 18 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1995 | 12/31/1994 | 12/28/1994 | 0 | 52960.52957 | | 95CW0005 | 1 | | 0 | | |
| 44 | 1726 | DAVENPORT SPRING #7 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | NW | 20 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/1995 | 12/31/1994 | 12/28/1994 | 0 | 52960.52957 | | 95CW0005 | 1 | | 0 | | |
| 44 | 1839 | BEAVER POND SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 1 | 8 | N | 88 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 07/01/1974 | 0 | 53325.45472 | | 96CW0060 | 1 | | 0 | | |
| 44 | 1866 | CENTENNIAL SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NE | NW | 21 | 8 | N | 88 | W | S | 89 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 07/01/1974 | 0 | 53325.45472 | | 96CW0057 | 1 | | 0 | | |
| 44 | 1843 | RUNNING ELK SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | NW | 2 | 8 | N | 88 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 07/01/1974 | 0 | 53325.45472 | | 96CW0060 | 1 | | 0 | | |
| 44 | 1863 | TEQUILA SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | NW | SW | 16 | 8 | N | 88 | W | S | 9 | 0.1000 | C | S | 12/31/1996 | 12/31/1995 | 07/01/1974 | 0 | 53325.45472 | | 96CW0057 | 1 | | 0 | COND FOR USE 1 | |
| 44 | 1864 | SOUTH MESA SPRING NO 1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SE | SW | 21 | 8 | N | 88 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 07/15/1994 | 0 | 53325.52791 | | 96CW0057 | 1 | | 0 | | |
| 44 | 1865 | SOUTH MESA SPRING NO 2 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SW | 21 | 8 | N | 88 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 07/15/1994 | 0 | 53325.52791 | | 96CW0057 | 1 | | 0 | | |
| 44 | 1867 | WEST MESA SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SE | 17 | 8 | N | 88 | W | S | 9 | 0.0330 | C | S | 12/31/1996 | 12/31/1995 | 07/15/1994 | 0 | 53325.52791 | | 96CW0057 | 1 | | 0 | | |
| 44 | 4366 | LAMBING GROUND PLACE #2 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | NW | 24 | 7 | N | 90 | W | S | 9 | 0.2500 | A | S | 12/31/1997 | 12/31/1996 | 06/05/1937 | 0 | 53691.31932 | | 97CW0040 | 1 | | 0 | | |
| 44 | 4365 | LAMBING GROUND PLACE #1 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | NE | 24 | 7 | N | 90 | W | S | 9 | 0.5000 | A | S | 12/31/1997 | 12/31/1996 | 06/10/1937 | 0 | 53691.31937 | | 97CW0040 | 1 | | 0 | | |
| 44 | 4360 | HEADGE PLACE #2 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | NE | 13 | 7 | N | 90 | W | S | 9 | 1.0000 | A | S | 12/31/1997 | 12/31/1996 | 06/25/1938 | 0 | 53691.32317 | | 97CW0040 | 1 | | 0 | | |
| 44 | 4361 | HEADGE PLACE #3 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | SE | 13 | 7 | N | 90 | W | S | 9 | 0.5000 | A | S | 12/31/1997 | 12/31/1996 | 07/05/1938 | 0 | 53691.32327 | | 97CW0040 | 1 | | 0 | | |
| 44 | 4362 | HEADGE PLACE #4 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | SE | 13 | 7 | N | 90 | W | S | 9 | 0.5000 | A | S | 12/31/1997 | 12/31/1996 | 07/10/1938 | 0 | 53691.32332 | | 97CW0040 | 1 | | 0 | | |
| 44 | 4363 | HEADGE PLACE #5 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | SW | 13 | 7 | N | 90 | W | S | 9 | 0.5000 | A | S | 12/31/1997 | 12/31/1996 | 07/20/1938 | 0 | 53691.32342 | | 97CW0040 | 1 | | 0 | | |
| 44 | 4401 | ORIE RES #6 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | SE | 18 | 8 | N | 88 | W | S | 9 | 2.0000 | A | S | 12/31/1998 | 12/31/1997 | 09/05/1997 | 0 | 54056.53939 | | 98CW0052 | 1 | | 0 | | |
| 44 | 4402 | ORIE RES #7 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | NW | 20 | 8 | N | 88 | W | S | 9 | 0.2500 | A | S | 12/31/1998 | 12/31/1997 | 09/15/1997 | 0 | 54056.53949 | | 98CW0052 | 1 | | 0 | THIS IS A PIT NO DAM. IT IS 8FT. DEEP | |
| 44 | 1683 | HOUSE SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | SE | 33 | 8 | N | 89 | W | S | 8 | 0.0230 | C | S | 12/31/1999 | 12/31/1998 | 06/10/1930 | 0 | 54421.29380 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1878 | SOUTH SPRING 1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | NW | 4 | 7 | N | 89 | W | S | 9W | 0.0200 | C | S | 12/31/1999 | 12/31/1998 | 06/10/1930 | 0 | 54421.29380 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1879 | SOUTH SPRING 2 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | NE | 4 | 7 | N | 89 | W | S | 9W | 0.0200 | C | S | 12/31/1999 | 12/31/1998 | 06/10/1930 | 0 | 54421.29380 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1880 | SOUTH SPRING 3 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | NE | 4 | 7 | N | 89 | W | S | 9W | 0.0200 | C | S | 12/31/1999 | 12/31/1998 | 06/10/1930 | 0 | 54421.29380 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1881 | SOUTH SPRING 4 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | NW | 4 | 7 | N | 89 | W | S | 9W | 0.0330 | C | S | 12/31/1999 | 12/31/1998 | 06/10/1930 | 0 | 54421.29380 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1953 | SOUTH SPRING 5 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | NW | 4 | 7 | N | 89 | W | S | 9W | 0.0330 | C | S | 12/31/1999 | 12/31/1998 | 06/10/1930 | 0 | 54421.29380 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1954 | SOUTH SPRING 6 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | NE | 4 | 7 | N | 89 | W | S | 9W | 0.0330 | C | S | 12/31/1999 | 12/31/1998 | 06/10/1930 | 0 | 54421.29380 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1955 | WEST SPRING 1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | SE | 33 | 8 | N | 89 | W | S | 9W | 0.0330 | C | S | 12/31/1999 | 12/31/1998 | 06/10/1930 | 0 | 54421.29380 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1956 | WEST SPRING 2 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | SE | 33 | 8 | N | 89 | W | S | 9W | 0.0330 | C | S | 12/31/1999 | 12/31/1998 | 06/10/1930 | 0 | 54421.29380 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1876 | MIDDLE SPRING 2 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | SE | 33 | 8 | N | 89 | W | S | 9W | 0.0200 | C | S | 12/31/1999 | 12/31/1998 | 06/30/1930 | 0 | 54421.29400 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1877 | MIDDLE SPRING 3 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | SE | 33 | 8 | N | 89 | W | S | 9W | 0.0200 | C | S | 12/31/1999 | 12/31/1998 | 06/30/1930 | 0 | 54421.29400 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1715 | MIDDLE SPRING 1 | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | SE | 33 | 8 | N | 89 | W | S | 9W | 0.0200 | C | S | 12/31/1999 | 12/31/1998 | 06/25/1995 | 0 | 54421.53136 | | 99CW0046 | 1 | | 0 | | |
| 44 | 1958 | HAMPTON LSD 1 | 1 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NE | NE | 20 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/2000 | 12/31/1999 | 05/31/1979 | 0 | 54786.47267 | | 00CW0019 | 1 | | 0 | | |
| 44 | 1959 | HAMPTON LSD 2 | 1 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | NW | 21 | 7 | N | 89 | W | S | 9 | 0.0330 | C | S | 12/31/2000 | 12/31/1999 | 05/31/1979 | 0 | 54786.47267 | | 00CW0019 | 1 | | 0 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 1962 | FRENTRESS PUMP NO. 1 | 8 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SW | SE | 20 | 7 | N | 89 | W | S | 19 | 2.0000 | C | S | 12/31/2000 | 12/31/1999 | 07/10/2000 | 0 | 54978.00000 | | 00CW0029 | 1 | | 0 | ALT PT AT ID803 |
| 44 | 803 | FRENTRESS PUMP NO. 1 AP | 8 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | SE | SW | 20 | 7 | N | 89 | W | S | 19 | 2.0000 | C | S,AP | 12/31/2000 | 12/31/1999 | 07/10/2000 | 0 | 54978.00000 | | 00CW0029 | 1 | | 4401962 | ALP PT FOR ID1962 |
| 44 | 4524 | PEED RESERVOIR #6 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | NE | 17 | 7 | N | 89 | W | S | 9 | 0.5000 | A | S | 12/31/2000 | 12/31/1999 | 07/28/2000 | 0 | 54996.00000 | | 00CW0032 | 1 | | 0 | |
| 44 | 4526 | PEED RESERVOIR #7 | 3 | 66 | TRIBUTARIES-ELKHEAD CK | 41 | | NW | SE | 8 | 7 | N | 89 | W | S | 9 | 1.0000 | A | S | 12/31/2000 | 12/31/1899 | 07/28/2000 | 0 | 54996.00000 | | 00CW0032 | 1 | | 0 | |
| 44 | 2335 | STINSON SPRING | 4 | 66 | TRIBUTARIES-ELKHEAD CK | 54 | | SW | SE | 20 | 8 | N | 88 | W | S | 69W | 0.0110 | C | S | 12/31/2001 | 12/31/2000 | 06/01/2000 | 0 | 55152.54939 | | 01CW0095 | 1 | | 0 | |

# Armstrong Creek
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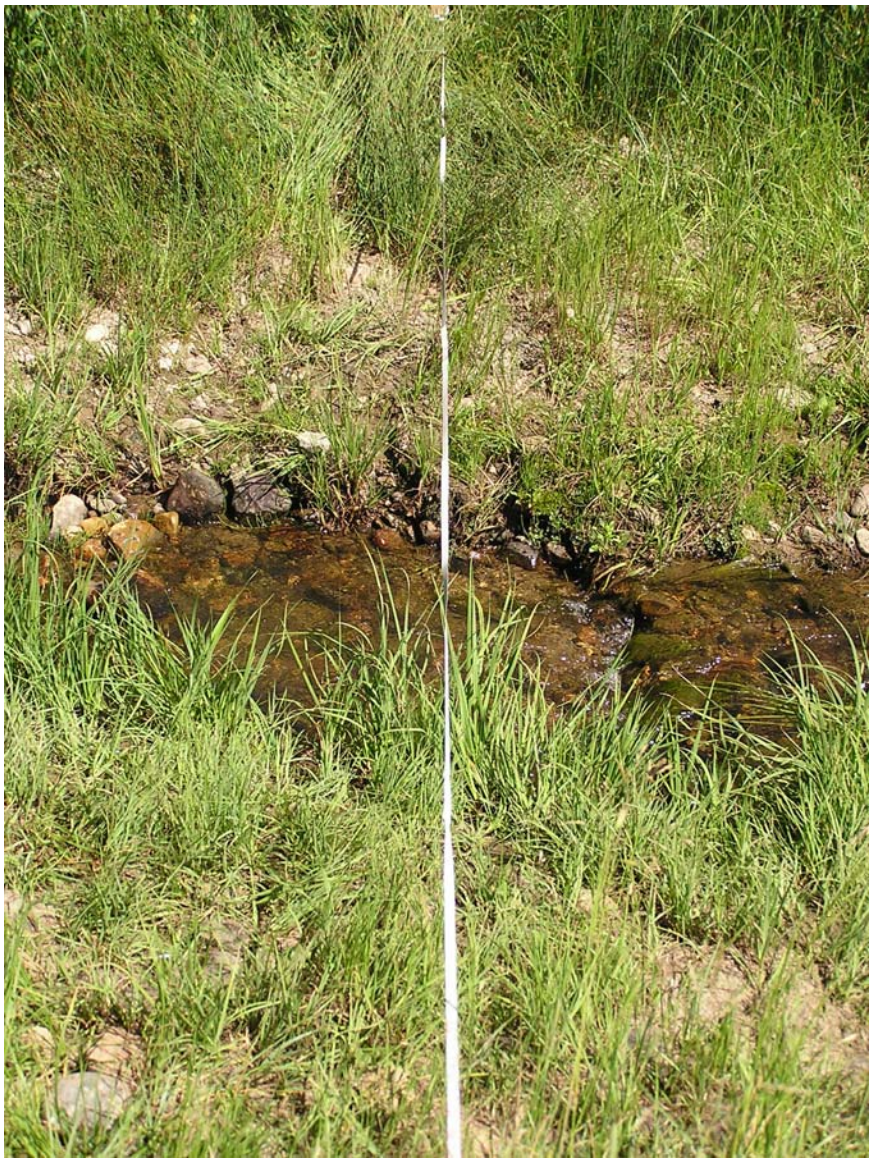

Armstrong Creek
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