**Structure Name:**    **MAROLT DITCH**        **Water District: 38**      **Structure ID Number:**    **853**

Source:      Castle Creek

| Location: | Q10 | Q40 | Q160 | Section | Twnshp | Range | PM |
|---|---|---|---|---|---|---|---|
|  | NE | NW | 13 | 10S | 85W | S | |

Distance From Section Lines:    From N/S Line:               From E/W Line:

UTM Coordinates (NAD 83):    Northing (UTM y):   4339233         Easting (UTM x):   341523        Spotted from PLSS distances from section lines

Latitude/Longitude (decimal degrees):     39.187907               -106.834962

| Water Rights Summary: | Total Decreed Rate(s) (CFS): | Absolute: | 18.6000 | Conditional: | 0.0000 | AP/EX: | 0.0000 |
|---|---|---|---|---|---|---|---|
|  | Total Decreed Volume(s) (AF): | Absolute: | 0.0000 | Conditional: | 0.0000 | AP/EX: | 0.0000 |

## Water Rights -- Transactions

| Case Number | Adjudication Date | Appropriation Date | Administration Number | Order Number | Priority Number | Decreed Amount | Adjudication Type | Uses | Action Comment |
|---|---|---|---|---|---|---|---|---|---|
| CA3043 | 1934-07-25 | 1902-03-01 | 30845.19052 | 0 | 279 | 18.6000 C | S | 1 | RED BUTTE CEM ASSN OWNS 3.0 CFS PER W3299 |

## Water Rights -- Net Amounts

| Adjudication Date | Appropriation Date | Administration Number | Order Number | Priority/Case Number | Rate (CFS) Absolute | Conditional | AP/EX | Volume (Acre-Feet) Absolute | Conditional | AP/EX |
|---|---|---|---|---|---|---|---|---|---|---|
| 1934-07-25 | 1902-03-01 | 30845.19052 | 0 | 279 | 18.6000 | 0 | 0 | | | |

## Irrigated Acres Summary -- Totals From Various Sources

| | | | |
|---|---|---|---|
| GIS Total (Acres): | 18.1848 | Reported: | 1993 |
| Diversion Comments Total (Acres): | 200 | Reported: | 2007 |
| Structure Total (Acres): | | Reported: | |

## Irrigated Acres From GIS Data

| Year | Land Use | Acres Flood | Acres Furrow | Acres Sprinkler | Acres Drip | Acres Groundwater | Acres Total |
|---|---|---|---|---|---|---|---|
| 1993 | ***Year Total*** | 18.18 | 0 | 0 | 0 | 0 | 18.18 |
| 1993 | GRASS_PASTURE | 18.18 | 0 | 0 | 0 | 0 | 18.18 |

## Diversion Summary in Acre-Feet - Total Water Through Structure

| Year | FDU | LDU | DWC | Maxq & Day | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Total |
|------|-----|-----|-----|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-------|
| 1986 | 1986-05-15 | 1986-09-05 | 153 | 7 05-15 | 0 | 0 | 0 | 0 | 0 | 0 | 228 | 402 | 415 | 415 | 281 | 123 | 1864 |
| 1987 | 1987-05-13 | 1987-05-13 | 171 | 11 05-13 | 0 | 0 | 0 | 0 | 0 | 0 | 396 | 625 | 646 | 646 | 625 | 625 | 3561 |
| 1988 | 1988-06-01 | 1988-09-13 | 141 | 5 06-01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 298 | 307 | 248 | 220 | 139 | 1213 |
| 1989 | 1989-06-01 | 1989-09-27 | 141 | 5 06-01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 298 | 307 | 307 | 278 | 94 | 1284 |
| 1990 | 1990-04-04 | 1990-10-15 | 191 | 9 04-04 | 0 | 0 | 0 | 0 | 0 | 466 | 504 | 464 | 389 | 498 | 377 | 179 | 2876 |
| 1991 | 1991-05-17 | 1991-10-17 | 154 | 8 05-17 | 0 | 0 | 0 | 0 | 0 | 0 | 220 | 399 | 315 | 290 | 349 | 173 | 1745 |
| 1992 | 1992-04-15 | 1992-09-18 | 194 | 12 07-30 | 0 | 0 | 0 | 0 | 0 | 131 | 403 | 312 | 371 | 559 | 354 | 298 | 2427 |
| 1993 | 1993-06-03 | 1993-10-02 | 134 | 5 06-20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 226 | 307 | 307 | 291 | 125 | 1257 |
| 1994 | 1994-04-22 | 1994-10-14 | 178 | 5 06-16 | 0 | 0 | 0 | 0 | 0 | 44 | 200 | 262 | 272 | 212 | 224 | 103 | 1317 |
| 1995 | 1995-05-06 | 1995-10-07 | 166 | 5 06-14 | 0 | 0 | 0 | 0 | 0 | 0 | 107 | 175 | 178 | 148 | 104 | 32 | 745 |
| 1996 | 1996-05-09 | 1996-10-11 | 159 | 5 05-22 | 0 | 0 | 0 | 0 | 0 | 0 | 173 | 188 | 207 | 231 | 149 | 69 | 1018 |
| 1997 | 1997-05-07 | 1997-10-05 | 152 | 5 06-12 | 0 | 0 | 0 | 0 | 0 | 0 | 134 | 247 | 258 | 277 | 205 | 25 | 1145 |
| 1998 | 1998-04-18 | 1998-10-08 | 175 | 5 05-20 | 0 | 0 | 0 | 0 | 0 | 83 | 270 | 290 | 297 | 293 | 272 | 81 | 1585 |
| 1999 | 1999-05-19 | 1999-10-09 | 146 | 6 07-20 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 235 | 294 | 259 | 242 | 81 | 1166 |
| 2000 | 2000-04-18 | 2000-10-26 | 196 | 5 05-24 | 0 | 0 | 0 | 0 | 0 | 50 | 224 | 189 | 173 | 218 | 189 | 74 | 1116 |
| 2003 | 2003-04-01 | 2003-10-01 | 214 | 5 06-01 | 0 | 0 | 0 | 0 | 0 | 202 | 208 | 304 | 242 | 208 | 202 | 208 | 1575 |
| 2004 | 2004-04-01 | 2004-09-22 | 214 | 4 06-01 | 0 | 0 | 0 | 0 | 0 | 74 | 168 | 219 | 226 | 226 | 219 | 226 | 1358 |
| 2005 | 2005-05-13 | 2005-10-01 | 148 | 3 06-01 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 187 | 93 | 102 | 143 | 33 | 646 |
| 2006 | 2006-05-01 | 2006-10-01 | 184 | 3 07-01 | 0 | 0 | 0 | 0 | 0 | 0 | 148 | 192 | 208 | 208 | 143 | 208 | 1107 |
| 2007 | 2007-05-01 | 2007-10-01 | 184 | 14 08-01 | 0 | 0 | 0 | 0 | 0 | 0 | 280 | 356 | 416 | 836 | 143 | 208 | 2240 |
| 2008 | 2008-06-01 | 2008-10-01 | 132 | 7 09-01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 272 | 392 | 410 | 402 | 57 | 1533 |
| 2009 | 2009-05-01 | 2009-09-01 | 184 | 7 05-01 | 0 | 0 | 0 | 0 | 0 | 0 | 427 | 414 | 427 | 427 | 414 | 427 | 2537 |
| 2010 | 2010-04-01 | 2010-10-01 | 207 | 3 07-01 | 0 | 0 | 0 | 0 | 0 | 132 | 31 | 62 | 206 | 206 | 199 | 159 | 996 |
| 2011 | 2011-06-21 | 2011-10-05 | 107 | 4 06-21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83 | 252 | 258 | 250 | 42 | 885 |
| 2012 | 2012-04-02 | 2012-10-17 | 209 | 5 06-02 | 0 | 0 | 0 | 0 | 0 | 43 | 244 | 264 | 258 | 258 | 115 | 48 | 1231 |
| 2013 | 2013-05-13 | 2013-10-05 | 146 | 7 06-11 | 0 | 0 | 0 | 0 | 0 | 0 | 160 | 350 | 369 | 369 | 301 | 50 | 1599 |
| 2014 | 2014-05-23 | 2014-10-29 | 160 | 4 05-31 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | 250 | 258 | 258 | 250 | 242 | 1320 |
| 2015 | 2015-04-01 | 2015-10-30 | 213 | 8 05-06 | 0 | 0 | 0 | 0 | 0 | 254 | 442 | 379 | 283 | 280 | 315 | 237 | 2191 |
| 2016 | 2016-05-10 | 2016-10-06 | 150 | 5 08-19 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 223 | 229 | 240 | 248 | 11 | 1008 |
| | | _Minimum:_ | | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | 93 | 102 | 104 | 11 | 646 |
| | | _Maximum:_ | | 14 | 0 | 0 | 0 | 0 | 0 | 466 | 504 | 625 | 646 | 836 | 625 | 625 | 3561 |
| | | _Average:_ | | 6 | 0 | 0 | 0 | 0 | 0 | 51 | 180 | 281 | 296 | 317 | 259 | 151 | 1536 |

29.00 years with diversion records

Notes:    The average considers all years with diversion records, even if no water is diverted.
The above summary lists total monthly diversions.
* = Infrequent Diversion Record. All other values are derived from daily records.
Average values include infrequent data if infrequent data are the only data for the year.

# Diversion Comments

| IYR | NUC Code | Acres Irrigated | Comment |
|-----|----------|-----------------|---------|
| 1975 | No information available | | |
| 1976 | No information available | | |
| 1977 | | | AKA HOLDEN |
| 1978 | | | AKA HOLDEN |
| 1979 | | | AKA HOLDEN |
| 1980 | Structure not usable | | |
| 1982 | | | AKA HOLDEN |
| 1983 | | | AKA HOLDEN D. |
| 1984 | | | AKA HOLDEN DITCH SEE FOR DIVR DATA |
| 1985 | Water taken in another structure | 0 | |
| 1987 | | 100 | |
| 1988 | | 100 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1989 | | 100 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1990 | | 100 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1991 | | 100 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1992 | | 100 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1993 | | 100 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1994 | | 100 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1995 | | 100 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1996 | | 100 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1997 | | 18 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1998 | | 18 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 1999 | | 18 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 2000 | | 18 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 2001 | Water taken but no data available | 18 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 2002 | Water taken but no data available | 18 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 2003 | | 18 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 2004 | | 18 | ALSO FILLS ASPEN GOLF COURSE PONDS |
| 2005 | | | CASTLE CR |
| 2006 | | | CASTLE CR |
| 2007 | | 200 | CASTLE CR; NEW OPERATOR FOR RAW WATER; NOT VERIFIED BY WC; IRR EST |
| 2008 | | | DATA SUPPLIED BY CITY OF ASPEN |
| 2009 | | | DATA PROVIDED BY CITY OF ASPEN; NOT VERIFIED BY WC; IT IS DOUGHTFUL THE MEASURE OF THIS DITCH |
| 2010 | | | GOLF COURSE SUPPPLY |

Note: Diversion comments and reservoir comments may be shown for a structure, if both are available.