

Structure Summary Report

HydroBase

State of Colorado

Structure Name: HERRICK DITCH**Water District:** 38**Structure ID Number:** 749**Source:** Maroon Creek

Location: Q10 Q40 Q160 Section Twnshp Range PM
NW NW 33 10S 85W S

Distance From Section Lines: From N/S Line:

From E/W Line:

UTM Coordinates (NAD 83): Northing (UTM y): 4334312

Easting (UTM x): 336272

Spotted from PLSS distances from section lines

Latitude/Longitude (decimal degrees): 39.142621

-106.894552

Water Rights Summary:	Total Decreed Rate(s) (CFS):	Absolute:	64.8600	Conditional:	0.5000	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
02CW0249	1940-02-05	1890-10-01	31648.14884	0	440.5	0.0780 C	S,TF	1	
02CW0249	1940-02-05	1890-10-01	31648.14884	0	440.5	0.0780 C	S,TT	A	BYPASS FOR T LAZY 7 AUG PLAN
CA3330	1940-02-05	1890-10-01	31648.14884	0	440.5	9.3000 C	S	1	
04CW0232	1958-06-20	1951-08-01	37552.37102	0	683	0.3800 C	S,TF	1	DRY-UP 6 ACRES FOR AUG
04CW0232	1958-06-20	1951-08-01	37552.37102	0	683	0.3800 C	S,TT	A	DRY-UP 6 ACRES FOR AUG EVAP FR PONDS
08CW0179	1958-06-20	1951-08-01	37552.37102	0	683	0.1500 C	S,TT	A	DRY-UP 0.59 FOR AUG; STORE IN MAROON POND
08CW0179	1958-06-20	1951-08-01	37552.37102	0	683	0.1500 C	S,TF	1	DRY-UP 0.59 FOR AUG
CA4613	1958-06-20	1951-08-01	37552.37102	2	683	51.5600 C	S	1	
89CW0282	1989-12-31	1989-12-22	51125.00000	0		4.0000 C	S,C	13568W	FOR STORAGE IN MAROON CREEK DEVEL RES 1-4
99CW0284	1989-12-31	1989-12-22	51125.00000	0		4.0000 C	S,CA	156W	STORE IN MAROON CR DEVEL RES 1-4, COM & DOM
08CW0181	2008-12-31	2008-07-30	57920.00000	0		0.5000 C	S,C	Q	Q IS AESTHETIC; MAROON RANCH ENLG;LIM IN COMB

Water Rights -- Net Amounts

Adjudication Date	Appropriation Date	Administration Number	Order Number	Priority/Case Number	Rate (CFS)			Volume (Acre-Feet)		
					Absolute	Conditional	AP/EX	Absolute	Conditional	AP/EX
1940-02-05	1890-10-01	31648.14884	0	440.5	9.3000	0	0			
1958-06-20	1951-08-01	37552.37102	2	683	51.5600	0	0			
1989-12-31	1989-12-22	51125.00000	0	99CW0284	4.0000	0	0			
2008-12-31	2008-07-30	57920.00000	0	08CW0181	0	0.5000	0			

Irrigated Acres Summary -- Totals From Various Sources

GIS Total (Acres):	59.4406	Reported: 2015
Diversion Comments Total (Acres):	16	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***	94.15	0	0	0	0	94.15
1993	GRASS_PASTURE	94.15	0	0	0	0	94.15
2000	***Year Total***	19.00	0	41.88	0	0	60.88
2000	GRASS_PASTURE	19.00	0	41.88	0	0	60.88
2005	***Year Total***	17.38	0	41.88	0	0	59.26
2005	GRASS_PASTURE	17.38	0	41.88	0	0	59.26
2010	***Year Total***	19.00	0	41.88	0	0	60.88
2010	GRASS_PASTURE	19.00	0	41.88	0	0	60.88
2015	***Year Total***	19.00	0	40.44	0	0	59.44
2015	BLUEGRASS	0	0	40.44	0	0	40.44
2015	GRASS_PASTURE	19.00	0	0	0	0	19.00

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
1975	1975-06-20	1975-06-20	117	10 06-20	0	0	0	0	0	0	0	218	615	615	595	278	2321
1976	1976-07-01	1976-07-01	122	9 07-01	0	0	0	0	0	0	0	0	553	553	536	536	2178
1977	1977-05-19	1977-05-19	166	10 05-19	0	0	0	0	0	0	258	595	615	615	595	615	3293
1978	1978-06-20	1978-06-20	134	10 06-20	0	0	0	0	0	0	0	218	615	615	595	615	2658
1979	1979-06-20	1979-06-20	134	10 06-20	0	0	0	0	0	0	0	218	615	615	595	615	2658
1980 *																	1096
1981 *																	1800
1981	1981-07-10	1981-07-10	82	10 07-10	0	0	0	0	0	0	0	0	436	615	575	0	1626
1982	1982-07-01	1982-07-01	90	10 07-01	0	0	0	0	0	0	0	0	615	615	555	0	1785
1983	1983-06-01	1983-06-01	153	10 06-01	0	0	0	0	0	0	0	595	615	615	595	615	3035
1984	1984-05-15	1984-05-15	170	10 05-15	0	0	0	0	0	0	337	595	615	615	595	615	3372
1985	1985-05-15	1985-10-15	169	20 09-26	0	0	0	0	0	0	337	595	615	615	691	704	3556
1986	1986-06-01	1986-07-17	143	12 06-01	0	0	0	0	0	0	0	714	730	721	698	489	3352
1987	1987-06-15	1987-10-16	138	31 10-16	0	0	0	0	0	0	0	317	615	615	584	1187	3319
1988	1988-06-01	1988-09-30	152	30 06-01	0	0	0	0	0	0	0	1785	1845	1845	1785	1785	9045
1989	1989-05-03	1989-10-06	159	33 06-20	0	0	0	0	0	0	173	1002	2029	2029	1821	220	7273
1990	1990-05-10	1990-10-01	148	50 08-09	0	0	0	0	0	0	1884	2797	2890	3022	1919	1041	13553
1991	1991-07-11	1991-09-13	113	23 07-11	0	0	0	0	0	0	0	0	490	369	357	369	1585
1992	1992-06-25	1992-08-07	102	17 07-01	0	0	0	0	0	0	0	120	1012	734	678	90	2635
1993	1993-07-16	1993-08-16	105	10 07-27	0	0	0	0	0	0	0	0	167	411	235	219	1033
1994	1994-06-01	1994-09-16	113	9 06-01	0	0	0	0	0	0	0	536	553	553	321	0	1964
1995	1995-06-17	1995-08-25	98	10 06-20	0	0	0	0	0	0	0	243	584	563	349	0	1740
1996	1996-06-05	1996-09-18	146	9 07-02	0	0	0	0	0	0	0	309	547	458	357	333	2005
1997	1997-06-04	1997-09-10	106	9 08-14	0	0	0	0	0	0	0	375	505	541	242	0	1662
1998	1998-06-04	1998-06-20	102	9 06-20	0	0	0	0	0	0	0	434	553	553	232	0	1773
1999	1999-06-13	1999-08-22	82	9 07-11	0	0	0	0	0	0	0	218	535	538	32	0	1323
2003	2003-05-01	2003-09-22	153	16 05-01	0	0	0	0	0	0	984	952	984	984	952	0	4856
2004	2004-04-01	2004-10-20	214	9 06-04	0	0	0	0	0	163	168	480	507	473	458	473	2721
2005	2005-06-06	2005-09-29	113	21 09-29	0	0	0	0	0	0	0	656	696	699	559	0	2610
2006	2006-05-01	2006-09-01	136	10 05-01	0	0	0	0	0	0	278	595	615	615	595	0	2698
2007	2007-06-03	2007-10-06	119	17 09-04	0	0	0	0	0	0	0	261	231	274	355	90	1212
2008	2008-09-16	2008-09-16	1	8 09-16	0	0	0	0	0	0	0	0	0	0	16	0	16
2009	2009-06-22	2009-09-23	99	17 08-14	0	0	0	0	0	0	0	67	299	420	357	0	1143
2010	2010-06-08	2010-09-29	114	17 06-08	0	0	0	0	0	0	0	312	275	350	242	18	1196
2011	2011-06-09	2011-09-28	112	24 07-01	0	0	0	0	0	0	0	714	819	866	470	0	2869
2012	2012-07-17	2012-07-17	97	11 07-17	0	0	0	0	0	0	0	0	336	695	672	471	2174
2013	2013-08-22	2013-08-22	34	7 08-22	0	0	0	0	0	0	0	0	0	141	338	0	478
2014	2014-06-05	2014-10-14	122	17 09-13	0	0	0	0	0	0	0	435	568	493	507	226	2229
2016	2016-06-16	2016-09-15	112	18 07-19	0	0	0	0	0	0	0	461	1029	1134	1097	183	3904
<i>Minimum:</i>					7	0	0	0	0	0	0	0	0	0	16	0	16
<i>Maximum:</i>					50	0	0	0	0	163	1884	2797	2890	3022	1919	1785	13553
<i>Average:</i>					15	0	0	0	0	4	119	455	684	708	599	319	2814

39.00 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		20	DITCH USED TO TRANSPORT WATER TO WILLOW CR.
1976		40	
1977		20	
1978		20	
1979		20	
1980	No information available	20	
1981		20	
1982		60	
1983		60	
1984		20	
1985		20	
1986			SUPPLIES WATER TO WILLOW CRK DITCHES
1987		60	ALSO SUPPLIMENTS WILLOW CRK FOR WILLOW DITCHES NO 1,2 & 3
1988		60	ALSO USED TO SUPPLEMENT WILLOW CREEK
1989		60	ALSO USED TO SUPPLEMENT WILLOW CREEK
1990		60	ALSO USED TO SUPPLEMENT WILLOW CREEK
1991		60	ALSO USED TO SUPPLEMENT WILLOW CREEK
1992		60	ALSO USED TO SUPPLEMENT WILLOW CREEK
1993		60	ALSO USED TO SUPPLEMENT WILLOW CREEK
1994		60	ALSO USED TO SUPPLEMENT WILLOW CREEK
1995		60	ALSO USED TO SUPPLEMENT WILLOW CREEK
1996		60	ALSO USED TO SUPPLEMENT WILLOW CREEK
1997		25	ALSO USED TO SUPPLEMENT WILLOW CREEK
1998		25	ALSO USED TO SUPPLEMENT WILLOW CREEK
1999		25	ALSO USED TO SUPPLEMENT WILLOW CREEK
2000	Water taken but no data available	25	ALSO USED TO SUPPLEMENT WILLOW CREEK
2001	No information available	25	ALSO USED TO SUPPLEMENT WILLOW CREEK
2002	No information available	25	ALSO USED TO SUPPLEMENT WILLOW CREEK
2003		25	ALSO USED TO SUPPLEMENT WILLOW CREEK DITCH
2004		25	USER SUPPLIED DATA & WATER COMM OBSERVATIONS
2006		16	
2007		16	USER SUPPLIED DATA
2009			WATER CAN BE CARRIED TO WILLOW CR AND REDIVERTED INTO 1101; UNABLE TO CONFIRM THAT USAGE THIS
2010			RECEIVED DIVERSION RECORD FROM TWO USERS; WC CANNOT VERIFY LARGER NUMBERS
2011			NEW PMF & NEW CULVERT UNDER ROAD ALLOWS FOR MORE FLOW
2015	Water taken but no data available		

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