

## **Appendix D - Water Rights and Water Usage**

ID #	Water Right Name	Priority Number	Flow (cfs)	Cumulative Flow (cfs)	Volume (AF)	Cumulative Volume (AF)
503	Alamosa Creek Canal	1	4.80	5	-	-
520	El Viejo	1	14.40	19	-	-
601	Terrace Main Canal	2	2.00	21	-	-
503	Alamosa Creek Canal	3	2.85	24	-	-
601	Terrace Main Canal	8	5.20	29	-	-
604	Valdez	9	14.00	43	-	-
510	Capulin Ditch	10	31.37	75	-	-
526	Gabino Gallegos	11	15.00	90	-	-
7001	Jasper Aug Plan	11	-	90	11.75	12
3583	Terrace Reservoir	11	-	90	44.75	57
532	Garcia Ditch 2	13	5.54	95	-	57
592	San Jose #2	14	1.08	96	-	57
601	Terrace Main Canal	14	2.00	98	-	57
503	Alamosa Creek Canal	15	3.00	101	-	57
514	Cristobal Rivera	15	7.08	108	-	57
561	Miller-Alamosa	17	6.22	115	-	57
591	San Jose Ditch No. 1	17	4.17	119	-	57
561	Miller-Alamosa	24	2.25	121	-	57
586	Romaldo Valdez	24	2.37	123	-	57
581	Ramona	26	9.85	133	-	57
539	Head Overflow #5	27	49.80	183	-	57
505	Alamosa Spring Creek	29	5.76	189	-	57
572	Ortiz	32	14.02	203	-	57
506	Arroya	36	53.12	256	-	57
503	Alamosa Creek Canal	37	2.00	258	-	57
600	T.K. Walsh	37	2.93	261	-	57
601	Terrace Main Canal	37	2.00	263	-	57
602	Union	38	14.13	277	-	57
601	Terrace Main Canal	39	10.83	288	-	57
571	North Alamosa	40	22.41	310	-	57
505	Alamosa Spring Creek	41	18.14	328	-	57
513	Cottonwood	44	8.46	337	-	57
525	Flintham Ditch	45	2.23	339	-	57
600	T.K. Walsh	45	1.58	341	-	57
601	Terrace Main Canal	45	7.12	348	-	57
529	Gallegos 3	46	14.94	363	-	57
505	Alamosa Spring Creek	54	12.62	375	-	57
513	Cottonwood	55	5.65	381	-	57
558	Lowland	57	14.94	396	-	57
511	Clark	58	6.75	403	-	57
539	Head Overflow #5	60	16.00	419	-	57
602	Union	62	27.21	446	-	57
539	Head Overflow #5	66	16.00	462	-	57
602	Union	67	28.15	490	-	57
570	Norland	68	48.56	539	-	57
525	Flintham Ditch	69	24.90	563	-	57
561	Miller-Alamosa	70	34.86	598	-	57
503	Alamosa Creek Canal	71	10.00	608	-	57

ID #	Water Right Name	Priority Number	Flow (cfs)	Cumulative Flow (cfs)	Volume (AF)	Cumulative Volume (AF)
575	Overflow D2, N.Branch	71	42.00	650	-	57
576	Overflow D1-S. Branch	71	55.00	705	-	57
564	Morganville	73	20.75	726	-	57
571	North Alamosa	74	25.86	752	-	57
606	Weist	74	3.95	756	-	57
561	Miller-Alamosa	75	31.54	787	-	57
503	Alamosa Creek Canal	76	30.00	817	-	57
601	Terrace Main Canal	76	3.87	821	-	57
601	Terrace Main Canal	76	18.00	839	-	57
571	North Alamosa	77	14.83	854	-	57
505	Alamosa Spring Creek	80	-	854	-	57
513	Cottonwood	82	21.59	876	-	57
593	Scandinavian Ditch	84	43.58	919	-	57
503	Alamosa Creek Canal	85	26.05	945	-	57
539	Head Overflow #5	86	12.45	958	-	57
611	Madril	89	12.45	970	-	57
585	Rivera	88	28.80	999	-	57
604	Valdez	90	57.63	1,057	-	57
539	Head Overflow #5	91.5	7.75	1,064	-	57
550	La Hoya Ditch	92	3.00	1,067	-	57
539	Head Overflow #5	93	1.60	1,069	-	57
539	Head Overflow #5	95	11.50	1,080	-	57
539	Head Overflow #5	99	17.00	1,097	-	57
539	Head Overflow #5	100	20.00	1,117	-	57
539	Head Overflow #5	102	3.63	1,121	-	57
542	Hyde Overflow D	103	1.50	1,123	-	57
522	Empire Canal-Alamosa	105	85.00	1,208	-	57
3583	Terrace Reservoir	110	-	1,208	17,171.00	17,228
601	Terrace Main Canal	112	91.00	1,299	-	17,228
526	Gabino Gallegos	113	20.00	1,319	-	17,228
592	San Jose #2	113A	15.50	1,334	-	17,228
5030	Alamosa Campground Well	N/A	0.01	1,334	-	17,228
3585	Cliff Lake	N/A	-	1,334	108.00	17,336
654	Alamosa River MSF	N/A	15.00	1,349	-	17,336
717	J.H. Valdez	N/A	5.00	1,354	-	17,336
735	USFS QP27C	N/A	-	1,354	742.60	18,078
730	USFS QP27G	N/A	-	1,354	1,113.00	19,191

### Water Usage Compared with Streamflow and Water Rights in Acre-Feet

Name	Irrigation Year (November – October)											Estimated Water Right (AF)
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
Alamosa Creek Canal	5,438	8,799	9,142	11,406	5,626	8,589	8,284	8,943	5,633	7,187	2,567	29,362
Alamosa Spring Creek	768	1,193	919	2,006	595	1,318	730	903	417	867	-	3,810
Arroya	1,973	2,986	2,149	3,382	1,358	2,264	2,296	1,956	917	2,533	-	6,543
Capulin Ditch	5,557	5,408	5,429	6,612	3,932	6,295	4,869	4,964	2,868	5,322	2,692	7,970
Clark	94	87	108	118	128	113	181	156	77	158	-	135
Cottonwood	757	796	694	947	532	920	672	1,118	254	1,421	-	2,663
Cristobal Rivera	826	1,080	584	1,065	579	1,112	897	1,114	623	1,027	142	1,129
Davies Chapman Ditch	-	605	344	-	-	-	-	-	-	-	-	N/A
El Viejo	5,495	5,545	5,846	5,654	5,757	5,834	5,394	5,982	4,894	5,324	3,398	5,920
Empire Canal-Alamosa	751.2	1,450.7	797.8	2,733.9	-	-	-	770.4	49.9	203.1	-	13,235
Flintham Ditch	811	1,612	1,333	1,534	246	1,447	891	1,430	46	1,689	-	1,776
Gabino Gallegos	2,101	2,591	2,294	3,777	1,450	2,908	2,031	3,501	1,443	2,389	534	6,191
Gallegos 3	425	335	312	325	133	171	106	695	53	511	-	519
Garcia Ditch 2	648	578	435	477	428	368	397	114	344	347	157	739
Head Overflow #5	7,098	10,754	9,175	15,576	3,096	10,146	7,797	9,158	3,101	8,610	-	19,491
La Hoya Ditch	-	-	-	-	-	-	-	10	-	-	-	30
Lowland	3,321	10,849	5,378	7,758	913	5,468	1,120	5,089	265	3,657	-	1,138
Miller-Alamosa	1,887	2,332	3,506	2,716	724	4,027	2,485	2,866	755	3,451	-	9,267
Morganville	126	2,000	676	1,985		1,296	271	1,338		912	-	1,122
Norland	837	1,679	1,501	2,596	552	2,257	1,304	1,359	50	1,163	-	2,947
North Alamosa	946	2,239	1,988	2,527		957	1,002	1,141	410	840	-	4,756
Ortiz	900	1,157	1,259	1,678	627	1,394	1,251	1,510	648	1,355	-	1,791
Overflow D2, N.Branch	3,668	3,234	3,078	6,544	10	3,403	966	2,911		2,442	-	2,823
Overflow D1-S. Branch	-	-	-	-	-	-	1,563	-	-	-	-	1,964
Ramona	1,174	1,495	1,291	1,540	603	1,351	1,369	1,614	749	1,203	-	1,465
Rivera	18	303	191	567		280		115		471	-	1,143
Romaldo Valdez	211	299	266	308	138	191	312	314	191	214	-	294
San Jose Ditch No. 1	502	737	556	707	274	788	587	520	292	511	17	571
San Jose #2	152	307	130	326	89	140	95	93	44	34	-	2,019
Scandinavian Ditch	68	3,024	1,261	2,119		952	78				-	1,931
T.K. Walsh	113	154	97	126	68	205	133	167	68	178	-	267
Terrace Main	8,897	10,076	8,597	12,705	6,197	8,365	8,797	8,846	5,642	6,682	2,318	52,192
Union	2,204	3,096	2,734	3,177	1,658	2,823	1,929	2,301	554	3,039	-	6,313
Valdez	2,688	5,760	4,150	7,316	2,772	5,747	2,945	6,263	1,899	3,595	1,650	21,390
Walsh Ditch	-	-	-	9	12	-	-	-	-	-	-	N/A
Weist	-	121	105	182	-	170	40	158		189	-	137
Madril	-	196	115	237	-	68	-	206	-	106	-	407
Cathouse Dam	691	1,085	1,275	681	161	1,653	277	-	-	-	-	N/A
Baker Ditch	280	159	148	445	25	80	158			104	-	N/A
J.H. Valdez	-	-	-	123	-	-	9	-	-	-	-	89
<b>Total</b>	<b>61,425</b>	<b>94,121</b>	<b>77,863</b>	<b>111,982</b>	<b>38,684</b>	<b>83,101</b>	<b>61,236</b>	<b>77,627</b>	<b>32,286</b>	<b>67,735</b>	<b>13,476</b>	<b>213,540</b>
Discharge Below Terrace (AF)	64,649	91,680	82,360	113,257	47,711	90,043	71,444	85,264	40,830	76,000	19,266	

Source: Colorado Department of Water Resources. N/A = no current water rights

### Water Usage Compared with Water Rights in cfs

Name	Total Water Right (cfs)	Avg Usage	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Alamosa Creek Canal	79	20	17	33	24	29	14	22	22	21	13	18	8
Alamosa Spring Creek	37	8	10	8	10	12	12	10	7	7	8	9	-
Arroya	53	20	24	22	22	24	27	6	24	13	26	26	-
Baker Ditch	N/A	5	5	2	4	8	6	4	8	-	-	5	-
Capulin Ditch	31	21	24	23	10	22	22	21	24	16	26	22	24
Cathouse Dam	N/A	7	9	10	13	11	5	19	7	-	-	-	-
Clark	7	6	6	6	6	5	6	5	7	7	6	7	-
Cottonwood	36	10	7	8	9	12	13	12	12	11	13	18	-
Cristobal Rivera	7	5	6	5	4	4	6	5	6	5	6	6	5
Davies Chapman Ditch	N/A	2	-	11	12	-	-	-	-	-	-	-	-
El Viejo	14	13	14	14	13	14	13	14	14	14	11	13	10
Empire Canal-Alamosa	85	27	75.7	104.5	44.7	36.3	-	-	-	18.5	2.3	17.1	-
Flintham Ditch	27	14	16	17	20	13	8	17	19	16	8	25	-
Gabino Gallegos	35	13	13	14	14	15	14	10	14	12	14	13	11
Gallegos 3	15	8	6	6	10	10	8	7	8	12	13	11	-
Garcia Ditch 2	6	3	5	4	3	3	4	2	2	1	3	2	4
Head Overflow #5	156	59	57	77	63	98	45	76	50	84	37	65	-
J.H. Valdez	5	1	-	-	-	4	-	-	5	-	-	-	-
La Hoya Ditch	3	0	-	-	-	-	-	-	-	1	-	-	-
Lowland, D1-S, D2-N*	112	81	99	127	94	143	32	99	93	97	13	87	2
Madril	12	3	-	7	4	4	-	3	-	5	-	4	-
Miller-Alamosa	75	17	16	18	29	21	10	27	17	21	8	23	-
Morganville	21	17	13	21	20	19	-	20	19	19	-	20	-
Norland	49	21	16	18	22	25	28	27	33	20	25	16	-
North Alamosa	63	16	14	20	26	23	-	22	16	9	19	15	-
Ortiz	14	9	8	7	11	10	11	8	13	7	13	13	-
Ramona	10	8	9	9	9	7	9	9	9	7	9	9	-
Rivera	29	6	4	5	6	6	-	6	-	6	-	16	-
Romaldo Valdez	2	2	2	2	2	2	2	2	2	2	2	2	-
San Jose #2	17	1	1	2	1	2	1	1	1	1	1	1	2
San Jose Ditch No. 1	4	3	4	4	4	4	4	4	4	3	3	3	-
Scandinavian Ditch	44	15	34	36	32	22	-	23	20	-	-	-	-
T.K. Walsh	5	2	2	2	2	2	3	3	3	3	2	2	-
Terrace Main	142	22	36	26	22	33	19	21	22	21	13	17	8
Union	69	24	19	25	29	22	40	28	25	23	21	35	-
Valdez	72	13	8	15	13	18	12	14	12	16	11	16	13
Walsh Ditch	N/A	0	-	-	-	1	1	-	-	-	-	-	-
Weist	4	3	-	4	4	4	-	4	4	4	-	4	-

Source: Colorado Department of Water Resources. N/A = no current water rights

\* includes Lowland Ditch, Overflow D1-S. Branch and Overflow D2, N. Branch