Year	time period	water name	extract_total_days_statewide	anglers	SE anglers	angler days	SE days
1997-98	April-June	SAN JUAN RIVER (QUALITY)		13679	825	45003	10258
1997-98	July-Sept.	SAN JUAN RIVER (QUALITY)		23825	1043	81356	16671
1997-98	Oct.-March	SAN JUAN RIVER (QUALITY)		24087	1094	78477	17437
1997-98	April-June	SAN JUAN RIVER		10229	780	33421	9306
1997-98	July-Sept.	SAN JUAN RIVER		14674	933	64048	13052
1997-98	Oct.-March	SAN JUAN RIVER		15504	988	49699	13452
1997-98	April-June	PINE RIVER		94	75	166	145
1997-98	Oct.-March	PINE RIVER		79	79	158	158
1997-98	April-June	NAVAJO RESERVOIR		12573	833	47274	10569
1997-98	July-Sept.	NAVAJO RESERVOIR		16150	973	89204	14582
1997-98	Oct.-March	NAVAJO RESERVOIR		15540	1017	80297	15108
1997-98	April-June	ANIMAS RIVER		287	143	657	460
1997-98	July-Sept.	ANIMAS RIVER		333	150	1092	625
1997-98	Oct.-March	ANIMAS RIVER		334	159	1862	947
1997-98	April-June	LAKE FARMINGTON		1320	293	10584	2796
1997-98	July-Sept.	LAKE FARMINGTON		1748	349	12929	3195
1997-98	Oct.-March	LAKE FARMINGTON		1983	386	12518	3176
1997-98	April-June	JACKSON LAKE		1349	300	5971	1882
1997-98	July-Sept.	JACKSON LAKE		1613	340	9070	2522
1997-98	Oct.-March	JACKSON LAKE		1588	344	9255	2593
1997-98	April-June	CHAMITA RIVER		72	72	144	143
1997-98	April-June	CHAMA RIVER (ABV EL VADO)		5520	595	10934	5224
1997-98	July-Sept.	CHAMA RIVER (ABV EL VADO)		8275	724	22136	7495
1997-98	Oct.-March	CHAMA RIVER (ABV EL VADO)		6035	655	13027	5750
1997-98	April-June	CHAMA RIVER (BLW EL VADO)		4315	529	7596	4097
1997-98	July-Sept.	CHAMA RIVER (BLW EL VADO)		5232	585	10742	4818
1997-98	Oct.-March	CHAMA RIVER (BLW EL VADO)		5159	608	9883	4917
1997-98	April-June	BRAZOS RIVER		1266	290	2592	1338
1997-98	July-Sept.	BRAZOS RIVER		2350	386	6049	2233
1997-98	Oct.-March	BRAZOS RIVER		745	237	2423	1097
1997-98	April-June	HERON RESERVOIR		10157	799	27754	9901
1997-98	July-Sept.	HERON RESERVOIR		14880	970	47194	14055
1997-98	Oct.-March	HERON RESERVOIR		14928	1016	40425	14508
1997-98	April-June	EL VADO LAKE		3410	478	8631	3493
1997-98	July-Sept.	EL VADO LAKE		6591	668	16297	6415
1997-98	Oct.-March	EL VADO LAKE		5933	661	10574	5850
1997-98	April-June	NUTRIAS LAKE (UPPER)		287	143	627	449
1997-98	July-Sept.	NUTRIAS LAKE (UPPER)		633	211	1660	848
1997-98	Oct.-March	NUTRIAS LAKE (UPPER)		158	112	1060	792
1997-98	April-June	CANJILON LAKES		761	228	1770	940
1997-98	July-Sept.	CANJILON LAKES		816	245	1643	985
1997-98	Oct.-March	CANJILON LAKES		807	249	2141	1063
1997-98	April-June	CANJILON CREEK		72	72	72	72
1997-98	Oct.-March	CANJILON CREEK		237	137	485	391
1997-98	July-Sept.	GALLINA CREEK		20	20	100	100
1997-98	Oct.-March	GALLINA CREEK		79	79	316	315
1997-98	July-Sept.	COYOTE CREEK (NE Cuba)		597	189	1158	615
1997-98	July-Sept.	RIO PUERCO (0328)		148	105	363	316
1997-98	July-Sept.	CANONES CREEK (ABIQUIU)		74	74	222	222
1997-98	April-June	ABIQUIU RESERVOIR		7998	724	17685	8019
1997-98	July-Sept.	ABIQUIU RESERVOIR		10686	848	31027	10641
1997-98	Oct.-March	ABIQUIU RESERVOIR		11122	894	30719	11129

1997-98	July-Sept.	EL RITO CREEK (trib of Chama)	148	105	313	290
1997-98	Oct.-March	EL RITO CREEK (trib of Chama)	316	158	834	546
1997-98	April-June	BURNS LAKE	756	228	1346	864
1997-98	July-Sept.	BURNS LAKE	816	245	3664	1399
1997-98	Oct.-March	BURNS LAKE	237	137	431	380
1997-98	April-June	MCGAFFEY LAKE	719	211	1728	821
1997-98	July-Sept.	MCGAFFEY LAKE	802	236	3861	1411
1997-98	Oct.-March	MCGAFFEY LAKE	728	237	1183	853
1997-98	April-June	BLUEWATER CREEK	144	101	789	583
1997-98	July-Sept.	BLUEWATER CREEK	148	105	2019	1452
1997-98	Oct.-March	BLUEWATER CREEK	79	79	237	237
1997-98	April-June	BLUEWATER LAKE	11343	841	29902	11027
1997-98	July-Sept.	BLUEWATER LAKE	14847	983	53243	14714
1997-98	Oct.-March	BLUEWATER LAKE	15270	1032	48203	15140
1997-98	April-June	RAMAH LAKE	3358	470	7236	3283
1997-98	July-Sept.	RAMAH LAKE	3712	510	11510	3929
1997-98	Oct.-March	RAMAH LAKE	3107	484	15248	3862
1997-98	April-June	RIO GRANDE (COCHITI LAKE TO I-40)	2828	439	5923	2914
1997-98	July-Sept.	RIO GRANDE (COCHITI LAKE TO I-40)	4178	537	14275	4374
1997-98	Oct.-March	RIO GRANDE (COCHITI LAKE TO I-40)	3683	521	8373	3704
1997-98	April-June	RIO GRANDE (I-40 TO ELEPHANT BUT	3056	444	9616	3127
1997-98	July-Sept.	RIO GRANDE (I-40 TO ELEPHANT BUT	3704	494	19926	4315
1997-98	Oct.-March	RIO GRANDE (I-40 TO ELEPHANT BUT	3495	504	13767	3848
1997-98	April-June	CORRALES RIVERSIDE DRAIN	215	124	2206	1300
1997-98	July-Sept.	CORRALES RIVERSIDE DRAIN	222	128	544	408
1997-98	Oct.-March	CORRALES RIVERSIDE DRAIN	491	194	1208	700
1997-98	April-June	CONSERVANCY PARK LAKE (aka Tingl	457	177	2046	944
1997-98	July-Sept.	CONSERVANCY PARK LAKE (aka Tingl	667	222	4371	1625
1997-98	Oct.-March	CONSERVANCY PARK LAKE (aka Tingl	448	179	954	579
1997-98	Oct.-March	PERALTA DRAIN	79	79	790	789
1997-98	Oct.-March	TOME RIVERSIDE DRAIN	79	79	79	79
1997-98	April-June	BELEN RIVERSIDE DRAIN	72	72	432	430
1997-98	July-Sept.	BELEN RIVERSIDE DRAIN	74	74	1036	1038
1997-98	Oct.-March	BELEN RIVERSIDE DRAIN	394	176	3254	1531
1997-98	April-June	ESCONDIDA LAKE ?	287	143	378	383
1997-98	July-Sept.	ESCONDIDA LAKE ?	222	128	1342	826
1997-98	Oct.-March	ESCONDIDA LAKE	193	114	980	615
1997-98	April-June	MANZANO LAKE	359	160	1879	928
1997-98	July-Sept.	MANZANO LAKE	297	148	1109	648
1997-98	Oct.-March	MANZANO LAKE	649	223	2817	1186
1997-98	July-Sept.	TAJIQUE CREEK	148	105	1621	1162
1997-98	July-Sept.	ALBUQUERQUE DRAIN	297	148	1392	775
1997-98	Oct.-March	ALBUQUERQUE DRAIN	79	79	158	158
1997-98	April-June	BERNALILLO DRAIN	72	72	72	72
1997-98	July-Sept.	BERNALILLO DRAIN	148	105	296	277
1997-98	Oct.-March	BERNALILLO DRAIN	158	112	223	259
1997-98	Oct.-March	LA JOYA REFUGE	79	79	79	79
1997-98	Oct.-March	BERNARDO DRAIN	79	79	2370	2366
1997-98	April-June	LOS ALAMOS RESERVOIR	418	164	953	567
1997-98	July-Sept.	LOS ALAMOS RESERVOIR	539	197	1816	880
1997-98	Oct.-March	LOS ALAMOS RESERVOIR	394	176	1214	697
1997-98	July-Sept.	FRIJOLES CREEK	74	74	148	148
1997-98	April-June	MEDIO DIA CREEK	72	72	360	359
1997-98	Oct.-March	MEDIO DIA CREEK	79	79	790	789

1997-98	April-June	COCHITI CREEK extract_total_days_statewide	72	72	72	72
1997-98	Oct.-March	COCHITI CREEK	79	79	79	79
1997-98	April-June	PERALTA CREEK	72	72	72	72
1997-98	April-June	JEMEZ RIVER	9788	786	21028	9447
1997-98	July-Sept.	JEMEZ RIVER	16164	1021	46502	15814
1997-98	Oct.-March	JEMEZ RIVER	13758	981	26106	13358
1997-98	April-June	SAN ANTONIO RIVER	1041	262	2388	1162
1997-98	July-Sept.	SAN ANTONIO RIVER	1398	315	4096	1668
1997-98	Oct.-March	SAN ANTONIO RIVER	666	224	1743	900
1997-98	April-June	JEMEZ RIVER EAST FORK	4911	573	12365	4989
1997-98	July-Sept.	JEMEZ RIVER EAST FORK	7387	710	22050	7400
1997-98	Oct.-March	JEMEZ RIVER EAST FORK	7209	727	12397	7106
1997-98	April-June	RIO LAS VACAS	1021	268	2713	1261
1997-98	July-Sept.	RIO LAS VACAS	1523	331	6980	2170
1997-98	Oct.-March	RIO LAS VACAS	316	158	588	466
1997-98	April-June	SAN GREGORIO LAKE	646	215	879	745
1997-98	July-Sept.	SAN GREGORIO LAKE	910	257	3120	1277
1997-98	Oct.-March	SAN GREGORIO LAKE	807	249	1434	941
1997-98	April-June	CLEAR CREEK (Jemez Mts)	94	75	260	219
1997-98	July-Sept.	CLEAR CREEK (Jemez Mts)	168	107	1501	1059
1997-98	Oct.-March	AMERICAN CREEK (Jemez)	79	79	79	79
1997-98	April-June	RITO PENAS NEGRAS	72	72	360	359
1997-98	July-Sept.	RITO PENAS NEGRAS	148	105	1142	835
1997-98	July-Sept.	LA JARA CREEK (Upper)	16	16	32	32
1997-98	Oct.-March	LA JARA CREEK (Upper)	18	18	72	74
1997-98	April-June	CEBOLLA RIVER	556	192	1449	754
1997-98	July-Sept.	CEBOLLA RIVER	932	250	2092	1026
1997-98	Oct.-March	CEBOLLA RIVER	316	158	376	405
1997-98	Oct.-March	ICE POND	79	79	79	79
1997-98	April-June	FENTON LAKE	8845	748	15397	8407
1997-98	July-Sept.	FENTON LAKE	14738	979	30982	14275
1997-98	Oct.-March	FENTON LAKE	14623	1012	26118	14285
1997-98	April-June	GUADALUPE RIVER	740	227	1991	976
1997-98	July-Sept.	GUADALUPE RIVER	868	247	2255	1075
1997-98	Oct.-March	GUADALUPE RIVER	886	262	1616	1027
1997-98	July-Sept.	RIO PUERCO (0732)	164	106	229	237
1997-98	Oct.-March	RIO PUERCO (0732)	18	18	18	18
1997-98	April-June	COCHITI LAKE	9356	778	24280	9439
1997-98	July-Sept.	COCHITI LAKE	14888	982	45725	14523
1997-98	Oct.-March	COCHITI LAKE	13146	964	32776	12965
1997-98	April-June	RIO GRANDE (PILAR TO COCHITI LAKE	4777	568	10262	4857
1997-98	July-Sept.	RIO GRANDE (PILAR TO COCHITI LAKE	6517	661	19982	6405
1997-98	Oct.-March	RIO GRANDE (PILAR TO COCHITI LAKE	7018	713	13969	6819
1997-98	April-June	CHAMA RIVER (BELOW ABIQUIU)	2636	423	4326	2654
1997-98	July-Sept.	CHAMA RIVER (BELOW ABIQUIU)	5085	589	10022	4931
1997-98	Oct.-March	CHAMA RIVER (BELOW ABIQUIU)	4581	577	9412	4467
1997-98	July-Sept.	RIO QUEMADO	74	74	148	148
1997-98	April-June	VALLECITOS	447	176	1237	683
1997-98	July-Sept.	VALLECITOS	349	151	2402	1211
1997-98	Oct.-March	VALLECITOS	175	113	315	288
1997-98	April-June	RIO DEL MEDIO	144	101	204	236
1997-98	July-Sept.	RIO DEL MEDIO	148	105	1590	1167
1997-98	July-Sept.	RITO GALLINA	74	74	740	741
1997-98	April-June	RIO FRIJOLES	88	74	664	646

1997-98	July-Sept.	RIO FRIJOLES extract_total_days_statewide	110	78	52	37
1997-98	Oct.-March	RIO FRIJOLES	17	17	17	17
1997-98	April-June	SANTA CRUZ RESERVOIR	1882	363	6348	2265
1997-98	July-Sept.	SANTA CRUZ RESERVOIR	1964	376	8388	2536
1997-98	Oct.-March	SANTA CRUZ RESERVOIR	1990	392	7042	2445
1997-98	April-June	RIO EN MEDIO	287	143	911	560
1997-98	July-Sept.	RIO EN MEDIO	90	76	418	374
1997-98	July-Sept.	SANTA FE RIVER	74	74	592	593
1997-98	April-June	SANTA CRUZ RIVER	144	101	144	203
1997-98	July-Sept.	SANTA CRUZ RIVER	539	197	2241	987
1997-98	Oct.-March	SANTA CRUZ RIVER	79	79	79	79
1997-98	April-June	LOS PINOS RIVER	713	209	1508	757
1997-98	July-Sept.	LOS PINOS RIVER	1357	287	3789	1380
1997-98	Oct.-March	LOS PINOS RIVER	664	224	1622	881
1997-98	April-June	LAGUNITAS LAKES	98	76	124	88
1997-98	July-Sept.	LAGUNITAS LAKES	238	129	312	311
1997-98	Oct.-March	LAGUNITAS LAKES	254	138	1011	653
1997-98	April-June	HOPEWELL LAKE	1268	296	2290	1381
1997-98	July-Sept.	HOPEWELL LAKE	1866	363	5258	2089
1997-98	Oct.-March	HOPEWELL LAKE	1080	285	2231	1230
1997-98	April-June	LAGUNA LARGA	144	101	144	203
1997-98	July-Sept.	LAGUNA LARGA	164	106	329	291
1997-98	Oct.-March	LAGUNA LARGA	17	17	17	17
1997-98	July-Sept.	PLACER CREEK	74	74	148	148
1997-98	July-Sept.	TUSAS CREEK	148	105	1114	831
1997-98	Oct.-March	TUSAS CREEK	158	112	298	287
1997-98	April-June	RED RIVER HATCHERY POND	94	75	836	790
1997-98	July-Sept.	RED RIVER HATCHERY POND	112	46	145	116
1997-98	April-June	RIO GRANDE (GORGE- ABV PILAR)	2804	431	4688	2737
1997-98	July-Sept.	RIO GRANDE (GORGE- ABV PILAR)	5683	585	12293	4775
1997-98	Oct.-March	RIO GRANDE (GORGE- ABV PILAR)	5484	624	15007	5325
1997-98	April-June	COSTILLA RIVER	485	156	1859	862
1997-98	July-Sept.	COSTILLA RIVER	1918	305	4414	1501
1997-98	Oct.-March	COSTILLA RIVER	317	123	571	329
1997-98	July-Sept.	LATIR CREEK WEST	16	16	16	16
1997-98	Oct.-March	SAN CRISTOBAL CREEK	79	79	158	158
1997-98	April-June	MIDDLE FORK LAKE	75	38	88	61
1997-98	July-Sept.	MIDDLE FORK LAKE	679	171	1195	603
1997-98	Oct.-March	MIDDLE FORK LAKE	158	112	387	337
1997-98	April-June	GOOSE LAKE	126	78	198	152
1997-98	July-Sept.	GOOSE LAKE	876	170	1465	726
1997-98	Oct.-March	GOOSE LAKE	230	117	261	139
1997-98	Oct.-March	GOOSE CREEK	33	23	113	92
1997-98	Oct.-March	RED RIVER	175	113	1086	738
1997-98	April-June	BITTER CREEK	22	22	22	22
1997-98	July-Sept.	BITTER CREEK	188	109	286	151
1997-98	Oct.-March	BITTER CREEK	35	25	137	118
1997-98	April-June	FAWN LAKES	359	121	550	296
1997-98	July-Sept.	FAWN LAKES	1041	167	3214	1018
1997-98	Oct.-March	FAWN LAKES	265	120	975	596
1997-98	April-June	EAGLE ROCK LAKE	144	101	1248	902
1997-98	July-Sept.	EAGLE ROCK LAKE	380	124	2267	1173
1997-98	Oct.-March	EAGLE ROCK LAKE	158	112	547	433
1997-98	April-June	CABRESTO LAKE	330	147	678	466

1997-98	July-Sept.	CABRESTO LAKEextract_total_days_statewide	904	223	1617	828
1997-98	Oct.-March	CABRESTO LAKE	334	159	650	485
1997-98	April-June	CABRESTO CREEK	166	104	210	120
1997-98	July-Sept.	CABRESTO CREEK	184	108	479	332
1997-98	Oct.-March	CABRESTO CREEK	193	114	516	380
1997-98	April-June	RED RIVER (ABV QUESTA)	4727	513	10636	3789
1997-98	July-Sept.	RED RIVER (ABV QUESTA)	10221	688	24931	6986
1997-98	Oct.-March	RED RIVER (ABV QUESTA)	5716	608	17239	5029
1997-98	April-June	RED RIVER (BELOW QUESTA)	3303	441	6635	2796
1997-98	July-Sept.	RED RIVER (BELOW QUESTA)	7176	598	15954	5138
1997-98	Oct.-March	RED RIVER (BELOW QUESTA)	4743	551	10261	3991
1997-98	July-Sept.	PONIL CREEK	110	78	168	150
1997-98	Oct.-March	PONIL CREEK	18	18	18	18
1997-98	April-June	COSTILLA CREEK	185	86	318	156
1997-98	July-Sept.	COSTILLA CREEK	300	118	683	363
1997-98	Oct.-March	COSTILLA CREEK	79	79	158	158
1997-98	July-Sept.	COMANCHE CREEK (upper)	20	20	20	20
1997-98	April-June	SHUREE PONDS	567	193	697	598
1997-98	July-Sept.	SHUREE PONDS	1224	267	4207	1411
1997-98	Oct.-March	SHUREE PONDS	333	158	1541	842
1997-98	April-June	CIMARRON RIVER (West of Cimarron)	7098	615	18603	5452
1997-98	July-Sept.	CIMARRON RIVER (West of Cimarron)	12645	779	30264	8648
1997-98	Oct.-March	CIMARRON RIVER (West of Cimarron)	7380	691	21189	6422
1997-98	April-June	CIMARRON RIVER GRAVEL PIT LAKES	282	96	1615	566
1997-98	July-Sept.	CIMARRON RIVER GRAVEL PIT LAKES	418	142	883	442
1997-98	Oct.-March	CIMARRON RIVER GRAVEL PIT LAKES	79	79	79	79
1997-98	Oct.-March	CLEAR CREEK (nr Eagle Nest)	158	112	411	354
1997-98	Oct.-March	TOLBY CREEK	79	79	1185	1183
1997-98	April-June	EAGLE NEST LAKE	14605	894	40955	12178
1997-98	July-Sept.	EAGLE NEST LAKE	22138	1072	72948	16883
1997-98	Oct.-March	EAGLE NEST LAKE	17900	1080	55563	16445
1997-98	April-June	LOST LAKE	22	22	22	22
1997-98	July-Sept.	LOST LAKE	288	117	478	315
1997-98	Oct.-March	LOST LAKE	35	25	89	76
1997-98	July-Sept.	HORSESHOE LAKE	40	28	83	77
1997-98	Oct.-March	HORSESHOE LAKE	37	26	91	79
1997-98	April-June	HONDO RIVER	88	74	880	861
1997-98	July-Sept.	HONDO RIVER	258	131	388	320
1997-98	Oct.-March	HONDO RIVER	79	79	790	789
1997-98	April-June	TAOS CREEK (aka RIO FERNANDO DE	166	104	166	204
1997-98	July-Sept.	TAOS CREEK (aka RIO FERNANDO DE	228	112	764	434
1997-98	April-June	LITTLE RIO GRANDE	431	175	1511	774
1997-98	July-Sept.	LITTLE RIO GRANDE	148	105	639	488
1997-98	Oct.-March	LITTLE RIO GRANDE	237	137	299	329
1997-98	April-June	RIO CHIQUITO	502	189	2457	1081
1997-98	July-Sept.	RIO CHIQUITO	723	224	3390	1322
1997-98	Oct.-March	RIO CHIQUITO	237	137	1841	1103
1997-98	April-June	POT CREEK	182	105	220	210
1997-98	July-Sept.	POT CREEK	208	110	389	227
1997-98	Oct.-March	POT CREEK	316	158	912	579
1997-98	Oct.-March	ALAMITOS CREEK	79	79	237	237
1997-98	July-Sept.	ANGOSTURA CREEK	20	20	80	80
1997-98	Oct.-March	ANGOSTURA CREEK	17	17	17	17
1997-98	April-June	LA JUNTA CREEK	215	124	341	322

1997-98	July-Sept.	LA JUNTA CREEKxtract_total_days_statewide	146	82	1313	918
1997-98	Oct.-March	LA JUNTA CREEK	33	23	62	60
1997-98	July-Sept.	AGUA PIEDRA CREEK	32	22	513	359
1997-98	April-June	RIO PUEBLO	1365	287	4058	1436
1997-98	July-Sept.	RIO PUEBLO	2412	377	11753	2705
1997-98	Oct.-March	RIO PUEBLO	1484	328	4176	1653
1997-98	April-June	SANTA BARBARA	612	204	913	685
1997-98	July-Sept.	SANTA BARBARA	1157	266	3158	1253
1997-98	Oct.-March	SANTA BARBARA	508	195	768	598
1997-98	April-June	EMBUDO CREEK	287	143	362	374
1997-98	July-Sept.	EMBUDO CREEK	481	183	1032	628
1997-98	Oct.-March	EMBUDO CREEK	237	137	335	344
1997-98	April-June	RIO LAS TRAMPAS	72	72	1008	1004
1997-98	July-Sept.	RIO LAS TRAMPAS	148	105	1480	1064
1997-98	Oct.-March	RIO LAS TRAMPAS	79	79	158	158
1997-98	Oct.-March	SIPAPU POND	18	18	90	92
1997-98	April-June	RIO TUSAS	26	26	26	26
1997-98	April-June	PECOS RIVER (PECOS WILDERNESS A	7135	674	18695	6883
1997-98	July-Sept.	PECOS RIVER (PECOS WILDERNESS A	11151	831	38078	10037
1997-98	Oct.-March	PECOS RIVER (PECOS WILDERNESS A	9399	812	22307	8927
1997-98	April-June	DOCTOR CREEK	72	72	72	72
1997-98	July-Sept.	DOCTOR CREEK	74	74	74	74
1997-98	July-Sept.	LAKE ALICE (Wilderness)	74	74	74	74
1997-98	Oct.-March	LAKE ALICE (Wilderness)	97	81	97	81
1997-98	July-Sept.	LAKE HAZEL (AKA HIDDEN LAKE)	16	16	32	32
1997-98	July-Sept.	SAN LEONARDO LAKE	20	20	20	20
1997-98	April-June	TRUCHAS PEAK LAKE	72	72	144	143
1997-98	April-June	PECOS BALDY LAKE	94	75	166	145
1997-98	July-Sept.	PECOS BALDY LAKE	110	78	200	153
1997-98	April-June	LAKE KATHERINE	72	72	72	72
1997-98	Oct.-March	LAKE KATHERINE	18	18	36	37
1997-98	April-June	STEWART LAKE	22	22	22	22
1997-98	July-Sept.	STEWART LAKE	134	82	225	135
1997-98	Oct.-March	STEWART LAKE	97	81	255	237
1997-98	Oct.-March	JOHNSON LAKE	18	18	18	18
1997-98	July-Sept.	RIO VALDEZ	94	77	168	150
1997-98	April-June	BEAVER CREEK	88	74	160	144
1997-98	July-Sept.	BEAVER CREEK	20	20	60	60
1997-98	Oct.-March	BEAVER CREEK	79	79	79	79
1997-98	April-June	HOLLINGER CREEK	16	16	16	16
1997-98	April-June	BURRO CANYON	16	16	16	16
1997-98	July-Sept.	BURRO CANYON	40	28	83	77
1997-98	April-June	EL PORVENIR CREEK (1445)	94	75	94	75
1997-98	April-June	JOE VIGIL LAKE	72	72	72	72
1997-98	April-June	PECOS RIVER (ANTON CHICO)	7322	691	17677	7264
1997-98	July-Sept.	PECOS RIVER (ANTON CHICO)	12562	887	47731	11674
1997-98	Oct.-March	PECOS RIVER (ANTON CHICO)	9693	830	29771	9539
1997-98	July-Sept.	PANCHUELA CREEK	16	16	80	79
1997-98	April-June	JACKS CREEK	72	72	72	72
1997-98	July-Sept.	JACKS CREEK	16	16	16	16
1997-98	Oct.-March	JACKS CREEK	79	79	158	158
1997-98	April-June	WINSOR CREEK	72	72	72	72
1997-98	July-Sept.	WINSOR CREEK	238	129	485	377
1997-98	Oct.-March	WINSOR CREEK	79	79	79	79

1997-98	July-Sept.	WILLOW CREEK (Pecos Drainage)	224	111	855	571
1997-98	April-June	HOLY GHOST CREEK	110	77	166	145
1997-98	Oct.-March	HOLY GHOST CREEK	394	176	1824	923
1997-98	April-June	MT VIEW PONDS	16	16	16	16
1997-98	July-Sept.	MT VIEW PONDS	90	76	228	168
1997-98	Oct.-March	MT VIEW PONDS	18	18	18	18
1997-98	April-June	MORA (PECOS RIVER DRAINAGE)	231	125	271	299
1997-98	July-Sept.	MORA (PECOS RIVER DRAINAGE)	148	105	432	364
1997-98	Oct.-March	MORA (PECOS RIVER DRAINAGE)	17	17	170	166
1997-98	April-June	MONASTERY LAKE	4829	566	8250	4744
1997-98	July-Sept.	MONASTERY LAKE	7722	727	16775	7622
1997-98	Oct.-March	MONASTERY LAKE	6944	709	22624	7001
1997-98	July-Sept.	OSHA CREEK	74	74	222	222
1997-98	April-June	BULL CREEK	231	125	303	301
1997-98	July-Sept.	BULL CREEK	168	107	208	121
1997-98	Oct.-March	BULL CREEK	18	18	18	18
1997-98	April-June	COW CREEK	215	124	373	330
1997-98	July-Sept.	COW CREEK	317	150	1316	707
1997-98	Oct.-March	COW CREEK	237	137	474	386
1997-98	April-June	LAKE MALOYA	1078	263	7643	2263
1997-98	July-Sept.	LAKE MALOYA	1756	338	14632	3311
1997-98	Oct.-March	LAKE MALOYA	1176	296	7966	2346
1997-98	April-June	CHICORICO CREEK	144	101	204	236
1997-98	April-June	LAKE ALICE (Sugarite Canyon)	88	74	816	724
1997-98	July-Sept.	LAKE ALICE (Sugarite Canyon)	357	152	1895	943
1997-98	Oct.-March	LAKE ALICE (Sugarite Canyon)	96	81	587	553
1997-98	April-June	CANADIAN RIVER (Upper)	72	72	288	287
1997-98	July-Sept.	CANADIAN RIVER (Upper)	242	130	679	452
1997-98	Oct.-March	CANADIAN RIVER (Upper)	552	208	2050	973
1997-98	April-June	MAXWELL LAKE 13	1383	305	2528	1451
1997-98	July-Sept.	MAXWELL LAKE 13	1293	285	5915	1729
1997-98	Oct.-March	MAXWELL LAKE 13	585	210	1934	889
1997-98	Oct.-March	LAGUNA MADRE	79	79	158	158
1997-98	April-June	STUBBLEFIELD LAKE	381	162	728	503
1997-98	July-Sept.	STUBBLEFIELD LAKE	222	128	622	452
1997-98	Oct.-March	STUBBLEFIELD LAKE	158	112	1117	815
1997-98	April-June	SPRINGER LAKE	346	147	1053	572
1997-98	July-Sept.	SPRINGER LAKE	848	238	1901	945
1997-98	Oct.-March	SPRINGER LAKE	789	249	3092	1282
1997-98	July-Sept.	INDUSTRIAL SCHOOL POND	74	74	148	148
1997-98	July-Sept.	CHARETTE LAKE UPPER	20	20	20	20
1997-98	April-June	CHARETTE LAKE LOWER	3271	464	6432	3200
1997-98	July-Sept.	CHARETTE LAKE LOWER	3261	470	10134	3355
1997-98	Oct.-March	CHARETTE LAKE LOWER	2731	447	6666	2792
1997-98	April-June	MORA RIVER (upper)	166	104	1381	995
1997-98	July-Sept.	MORA RIVER (upper)	841	238	2714	1125
1997-98	July-Sept.	RIO LA CASA	74	74	222	222
1997-98	April-June	COYOTE CREEK (nr Guadalupita)	690	189	1590	630
1997-98	July-Sept.	COYOTE CREEK (nr Guadalupita)	1005	236	2370	932
1997-98	Oct.-March	COYOTE CREEK (nr Guadalupita)	728	237	1726	951
1997-98	April-June	MORPHY RESERVOIR	1501	316	3045	1548
1997-98	July-Sept.	MORPHY RESERVOIR	1794	350	5608	2002
1997-98	Oct.-March	MORPHY RESERVOIR	2062	394	10012	2801
1997-98	April-June	DRY CIMARRON	237	126	354	323

1997-98	July-Sept.	DRY CIMARRONextract_total_days_statewide	52	30	70	57
1997-98	Oct.-March	DRY CIMARRON	158	112	543	439
1997-98	April-June	CLAYTON LAKE	1971	329	5770	1759
1997-98	July-Sept.	CLAYTON LAKE	2572	369	10678	2341
1997-98	Oct.-March	CLAYTON LAKE	1886	338	5672	1765
1997-98	April-June	CANADIAN RIVER (Lower)	16	16	32	32
1997-98	April-June	CONCHAS LAKE	7141	631	29179	6098
1997-98	July-Sept.	CONCHAS LAKE	6595	638	44423	7016
1997-98	Oct.-March	CONCHAS LAKE	6824	684	30854	6803
1997-98	April-June	UTE CREEK	72	72	216	215
1997-98	April-June	UTE LAKE	5624	537	25023	4584
1997-98	July-Sept.	UTE LAKE	6424	603	37215	6050
1997-98	Oct.-March	UTE LAKE	4844	547	25467	4731
1997-98	April-June	PECOS RIVER (PECOS TO VILLANUEV	2212	391	2952	2256
1997-98	July-Sept.	PECOS RIVER (PECOS TO VILLANUEV	2776	443	10072	3166
1997-98	Oct.-March	PECOS RIVER (PECOS TO VILLANUEV	3373	498	6833	3350
1997-98	April-June	MANUELITAS CREEK	72	72	72	72
1997-98	July-Sept.	MANUELITAS CREEK	74	74	148	148
1997-98	April-June	SAPELLO CREEK (LOWER, Mora Draina	72	72	864	861
1997-98	July-Sept.	SAPELLO CREEK (LOWER, Mora Draina	74	74	148	148
1997-98	Oct.-March	SAPELLO CREEK (LOWER, Mora Draina	18	18	270	268
1997-98	April-June	GALLINAS RIVER (nr Las Vegas)	1218	288	2876	1354
1997-98	July-Sept.	GALLINAS RIVER (nr Las Vegas)	1743	349	8056	2341
1997-98	Oct.-March	GALLINAS RIVER (nr Las Vegas)	587	210	5520	2010
1997-98	Oct.-March	FALLS CREEK	18	18	234	240
1997-98	Oct.-March	TECOLOTE RIVER	158	112	1087	796
1997-98	April-June	STORRIE RESERVOIR	4682	558	16637	4927
1997-98	July-Sept.	STORRIE RESERVOIR	6401	659	24446	6564
1997-98	Oct.-March	STORRIE RESERVOIR	4910	604	20592	5415
1997-98	April-June	LAS VEGAS KIDS POND	72	72	144	143
1997-98	April-June	MCALLISTER LAKE	4867	572	12036	4977
1997-98	July-Sept.	MCALLISTER LAKE	5353	612	18053	5625
1997-98	Oct.-March	MCALLISTER LAKE	5475	637	19854	5824
1997-98	April-June	PECOS RIVER (LAKE SUMNER TO ROS	904	249	1523	1006
1997-98	July-Sept.	PECOS RIVER (LAKE SUMNER TO ROS	541	186	3003	1261
1997-98	Oct.-March	PECOS RIVER (LAKE SUMNER TO ROS	1394	325	3014	1556
1997-98	July-Sept.	CONEJO CREEK	94	77	336	299
1997-98	April-June	PECOS RIVER (VILLANUEVA TO I-40)	1114	278	3657	1450
1997-98	July-Sept.	PECOS RIVER (VILLANUEVA TO I-40)	1332	307	2918	1464
1997-98	Oct.-March	PECOS RIVER (VILLANUEVA TO I-40)	1270	307	1877	1305
1997-98	April-June	PECOS RIVER (I-40 TO LAKE SUMNER)	672	216	1496	830
1997-98	July-Sept.	PECOS RIVER (I-40 TO LAKE SUMNER)	1154	280	2417	1228
1997-98	Oct.-March	PECOS RIVER (I-40 TO LAKE SUMNER)	858	251	2281	1073
1997-98	April-June	POWER DAM LAKE	287	143	449	401
1997-98	July-Sept.	POWER DAM LAKE	262	131	1235	730
1997-98	Oct.-March	POWER DAM LAKE	508	194	1713	856
1997-98	April-June	LAKE SUMNER	3545	488	10736	3719
1997-98	July-Sept.	LAKE SUMNER	3823	512	14108	4094
1997-98	Oct.-March	LAKE SUMNER	3771	531	10366	3954
1997-98	April-June	BOSQUE REDONDO	303	144	1818	919
1997-98	July-Sept.	BOSQUE REDONDO	297	148	832	542
1997-98	Oct.-March	BOSQUE REDONDO	255	138	13648	7968
1997-98	April-June	SANTA ROSA LAKE	3844	510	8972	3955
1997-98	July-Sept.	SANTA ROSA LAKE	5230	604	9316	5192

1997-98	Oct.-March	SANTA ROSA LAKE	fact_total_days_statewide	5693	647	12105	5654
1997-98	April-June	BLUE HOLE PARK POND		72	72	72	72
1997-98	July-Sept.	GREENE ACRES LAKE		74	74	222	222
1997-98	Oct.-March	GREENE ACRES LAKE		158	112	612	476
1997-98	April-June	OASIS PARK LAKE		287	143	3976	2022
1997-98	July-Sept.	OASIS PARK LAKE		297	148	1057	628
1997-98	Oct.-March	OASIS PARK LAKE		509	195	2296	1055
1997-98	July-Sept.	RUNNING WATER DRAW		74	74	74	74
1997-98	April-June	NED HOUK PONDS		215	124	304	312
1997-98	July-Sept.	NED HOUK PONDS		148	105	213	236
1997-98	Oct.-March	NED HOUK PONDS		412	177	1014	605
1997-98	April-June	CHAPARRAL PARK LAKE		215	124	1535	922
1997-98	July-Sept.	CHAPARRAL PARK LAKE		297	148	1945	1026
1997-98	Oct.-March	CHAPARRAL PARK LAKE		97	81	808	789
1997-98	July-Sept.	LOVINGTON LAKE		74	74	222	222
1997-98	Oct.-March	LOVINGTON LAKE		79	79	474	473
1997-98	April-June	GREEN MEADOW LAKE		431	175	16100	6572
1997-98	July-Sept.	GREEN MEADOW LAKE		445	181	1828	887
1997-98	Oct.-March	GREEN MEADOW LAKE		552	208	12762	4855
1997-98	April-June	EUNICE LAKE		160	103	299	261
1997-98	July-Sept.	EUNICE LAKE		148	105	12948	9181
1997-98	Oct.-March	EUNICE LAKE		79	79	790	789
1997-98	April-June	JAL LAKE		120	77	573	336
1997-98	July-Sept.	JAL LAKE		74	74	296	296
1997-98	Oct.-March	JAL LAKE		96	81	322	251
1997-98	April-June	MADDOX LAKE		144	101	455	376
1997-98	July-Sept.	MADDOX LAKE		371	166	972	596
1997-98	Oct.-March	MADDOX LAKE		79	79	948	946
1997-98	April-June	PECOS RIVER (ROSWELL TO BRANTLE		1499	321	3958	1705
1997-98	July-Sept.	PECOS RIVER (ROSWELL TO BRANTLE		2662	432	17225	3872
1997-98	Oct.-March	PECOS RIVER (ROSWELL TO BRANTLE		1919	379	7514	2389
1997-98	July-Sept.	RIO HONDO (lower)		60	35	140	108
1997-98	Oct.-March	RIO HONDO (lower)		254	138	1446	866
1997-98	April-June	BOTTOMLESS LAKES		215	124	304	312
1997-98	July-Sept.	BOTTOMLESS LAKES		222	128	769	514
1997-98	Oct.-March	BOTTOMLESS LAKES		412	177	586	516
1997-98	April-June	LAKE VAN		744	228	2218	1025
1997-98	July-Sept.	LAKE VAN		761	235	4336	1571
1997-98	Oct.-March	LAKE VAN		666	224	3979	1486
1997-98	April-June	COTTONWOOD CREEK (nr Artesia)		72	72	144	143
1997-98	July-Sept.	COTTONWOOD CREEK (nr Artesia)		20	20	20	20
1997-98	Oct.-March	COTTONWOOD CREEK (nr Artesia)		79	79	237	237
1997-98	April-June	BONITO LAKE		10614	775	25889	8836
1997-98	July-Sept.	BONITO LAKE		13232	845	43483	10199
1997-98	Oct.-March	BONITO LAKE		10268	826	28291	9216
1997-98	April-June	RIO BONITO		2164	380	4485	2197
1997-98	July-Sept.	RIO BONITO		2647	407	7568	2536
1997-98	Oct.-March	RIO BONITO		2177	384	6449	2210
1997-98	Oct.-March	RUIDOSO RIVER SOUTH FORK		17	17	17	17
1997-98	April-June	RUIDOSO RIVER		2643	392	5676	2244
1997-98	July-Sept.	RUIDOSO RIVER		4612	526	18390	4282
1997-98	Oct.-March	RUIDOSO RIVER		4363	527	14012	3874
1997-98	April-June	EAGLE CREEK		59	34	75	69
1997-98	July-Sept.	EAGLE CREEK		126	80	312	232

1997-98	Oct.-March	EAGLE CREEK extract_total_days_statewide	17	17	102	100
1997-98	April-June	ALTO LAKES	54	31	100	72
1997-98	July-Sept.	ALTO LAKES	163	55	298	168
1997-98	Oct.-March	ALTO LAKES	274	139	1309	697
1997-98	April-June	THREE RIVERS CREEK	72	72	72	72
1997-98	July-Sept.	THREE RIVERS CREEK	20	20	20	20
1997-98	Oct.-March	THREE RIVERS CREEK	79	79	158	158
1997-98	April-June	CARRIZOZO RECREATION LAKE	287	143	470	399
1997-98	July-Sept.	CARRIZOZO RECREATION LAKE	74	74	518	519
1997-98	April-June	GRINDSTONE RESERVOIR	6028	602	20190	5575
1997-98	July-Sept.	GRINDSTONE RESERVOIR	7009	656	41331	7193
1997-98	Oct.-March	GRINDSTONE RESERVOIR	5887	625	25050	5682
1997-98	April-June	TULAROSA CREEK (nr Tularosa)	215	124	310	320
1997-98	July-Sept.	TULAROSA CREEK (nr Tularosa)	297	148	1058	625
1997-98	Oct.-March	TULAROSA CREEK (nr Tularosa)	412	177	2642	1198
1997-98	April-June	SACRAMENTO RIVER	98	76	242	217
1997-98	April-June	PENASCO RIVER (upper)	1897	348	3787	1834
1997-98	July-Sept.	PENASCO RIVER (upper)	2333	385	13483	3132
1997-98	Oct.-March	PENASCO RIVER (upper)	1879	365	6817	2204
1997-98	July-Sept.	BEAR CANYON	74	74	74	74
1997-98	Oct.-March	BEAR CANYON	79	79	316	315
1997-98	April-June	AGUA CHIQUITA	72	72	144	143
1997-98	July-Sept.	AGUA CHIQUITA	74	74	148	148
1997-98	April-June	PECOS RIVER (BELOW BRANTLEY RES	2796	438	12507	3407
1997-98	July-Sept.	PECOS RIVER (BELOW BRANTLEY RES	4393	555	19267	4930
1997-98	Oct.-March	PECOS RIVER (BELOW BRANTLEY RES	4238	560	20213	4866
1997-98	April-June	BRANTLEY DAM	4368	540	13791	4539
1997-98	July-Sept.	BRANTLEY DAM	6566	667	44048	7755
1997-98	Oct.-March	BRANTLEY DAM	6455	690	45888	8012
1997-98	July-Sept.	AVALON LAKE	148	105	363	316
1997-98	April-June	CARLSBAD MUNICIPAL LAKE	2486	411	14188	3388
1997-98	July-Sept.	CARLSBAD MUNICIPAL LAKE	2855	449	19386	4199
1997-98	Oct.-March	CARLSBAD MUNICIPAL LAKE	3042	478	26131	5077
1997-98	Oct.-March	FRESNAL CANYON CREEK	79	79	158	158
1997-98	July-Sept.	SIX MILE DAM LAKE	222	128	639	450
1997-98	Oct.-March	SIX MILE DAM LAKE	158	112	1734	1248
1997-98	April-June	BLACK RIVER	899	249	3113	1263
1997-98	July-Sept.	BLACK RIVER	1246	297	8361	2404
1997-98	Oct.-March	BLACK RIVER	1904	378	5567	2157
1997-98	July-Sept.	RED BLUFF LAKE	20	20	20	20
1997-98	Oct.-March	RED BLUFF LAKE	158	112	2174	1549
1997-98	July-Sept.	TANSIL DAM	74	74	592	593
1997-98	April-June	RIO GRANDE (ELEPHANT BUTTE TO C	3671	475	12382	3587
1997-98	July-Sept.	RIO GRANDE (ELEPHANT BUTTE TO C	4219	515	14691	4023
1997-98	Oct.-March	RIO GRANDE (ELEPHANT BUTTE TO C	3853	515	10409	3650
1997-98	April-June	RIO GRANDE (BLW CABALLO LAKE)	4369	510	12108	3905
1997-98	July-Sept.	RIO GRANDE (BLW CABALLO LAKE)	5219	570	18745	4852
1997-98	Oct.-March	RIO GRANDE (BLW CABALLO LAKE)	3616	483	9955	3219
1997-98	April-June	ELEPHANT BUTTE LAKE	22814	1074	94109	18868
1997-98	July-Sept.	ELEPHANT BUTTE LAKE	28934	1256	151875	25301
1997-98	Oct.-March	ELEPHANT BUTTE LAKE	26341	1260	113150	23435
1997-98	April-June	CABALLO LAKE	9977	736	42395	8343
1997-98	July-Sept.	CABALLO LAKE	12484	850	47720	10484
1997-98	Oct.-March	CABALLO LAKE	9786	780	39711	8480

1997-98	April-June	YOUNG POND extract_total_days_statewide	72	72	216	215
1997-98	April-June	BURN LAKE	3483	475	16795	3984
1997-98	July-Sept.	BURN LAKE	3251	461	14537	3552
1997-98	Oct.-March	BURN LAKE	3776	518	18295	4317
1997-98	April-June	GILA RIVER	2077	373	5699	2232
1997-98	July-Sept.	GILA RIVER	2671	422	6371	2631
1997-98	Oct.-March	GILA RIVER	2238	386	6266	2169
1997-98	July-Sept.	TAYLOR CREEK	74	74	222	222
1997-98	Oct.-March	TAYLOR CREEK	79	79	158	158
1997-98	April-June	WALL LAKE	359	160	883	567
1997-98	July-Sept.	WALL LAKE	662	202	1460	738
1997-98	Oct.-March	WALL LAKE	518	182	1027	570
1997-98	April-June	DIAMOND CREEK	613	196	1407	705
1997-98	April-June	LAKE ROBERTS	3786	489	9711	3584
1997-98	July-Sept.	LAKE ROBERTS	5706	611	13567	5311
1997-98	Oct.-March	LAKE ROBERTS	3407	484	6956	3134
1997-98	Oct.-March	SAPILLO CREEK (nr Lake Roberts)	237	137	376	355
1997-98	Oct.-March	TROUT CREEK	273	139	716	473
1997-98	April-June	MIMBRES RIVER	22	22	88	86
1997-98	April-June	BEAR CANYON RESERVOIR	2950	435	5786	2767
1997-98	July-Sept.	BEAR CANYON RESERVOIR	3393	481	12797	3689
1997-98	Oct.-March	BEAR CANYON RESERVOIR	4566	569	23192	5136
1997-98	April-June	BILL EVANS LAKE	3734	498	10452	3827
1997-98	July-Sept.	BILL EVANS LAKE	4303	532	14932	4273
1997-98	Oct.-March	BILL EVANS LAKE	5491	623	17819	5422
1997-98	April-June	GILA RIVER (EAST, MIDDLE, WEST FO	2428	396	4557	2314
1997-98	July-Sept.	GILA RIVER (EAST, MIDDLE, WEST FO	2618	412	8713	2675
1997-98	Oct.-March	GILA RIVER (EAST, MIDDLE, WEST FO	2845	449	5792	2741
1997-98	July-Sept.	IRON CREEK	20	20	20	20
1997-98	July-Sept.	WHITE CREEK	90	76	106	81
1997-98	April-June	TURKEY CREEK	215	124	391	345
1997-98	July-Sept.	TURKEY CREEK	20	20	40	40
1997-98	July-Sept.	MOGOLLON CREEK	168	107	486	357
1997-98	April-June	ANIMAS CREEK	72	72	72	72
1997-98	April-June	WILLOW CREEK (Gila Drainage)	671	207	1725	818
1997-98	July-Sept.	WILLOW CREEK (Gila Drainage)	745	216	1608	788
1997-98	July-Sept.	GILITA CREEK	40	28	83	77
1997-98	April-June	SNOW LAKE	1487	310	2732	1452
1997-98	July-Sept.	SNOW LAKE	4218	523	7798	3808
1997-98	Oct.-March	SNOW LAKE	3727	517	9307	3680
1997-98	April-June	SAN FRANCISCO RIVER	524	191	1292	712
1997-98	July-Sept.	SAN FRANCISCO RIVER	959	250	2618	1115
1997-98	Oct.-March	SAN FRANCISCO RIVER	661	213	1436	741
1997-98	Oct.-March	MINERAL CREEK	158	112	158	223
1997-98	July-Sept.	TULAROSA CREEK (nr Apache Creek)	148	105	811	602
1997-98	April-June	NEGRITO CREEK	381	162	1379	707
1997-98	July-Sept.	NEGRITO CREEK	1098	279	2902	1315
1997-98	Oct.-March	NEGRITO CREEK	1280	315	3556	1563
1997-98	July-Sept.	WHITE WATER CREEK	278	132	574	378
1997-98	April-June	BIG DRY CREEK	22	22	22	22
1997-98	April-June	QUEMADO LAKE	5107	571	13047	4861
1997-98	July-Sept.	QUEMADO LAKE	8500	753	21653	8208
1997-98	Oct.-March	QUEMADO LAKE	7863	749	21155	7650
1997-98	April-June	GLENWOOD POND	231	125	320	313

1997-98	July-Sept.	GLENWOOD POND	ND tract_total_days_statewide	477	183	1221	670
1997-98	Oct.-March	GLENWOOD POND	491	194	1433	776
1997-98	July-Sept.	RANCHO GRANDE POND	32	22	513	367
1997-98	Oct.-March	RANCHO GRANDE POND	96	81	1682	1580
1998-99	July-Sept.	SAN JUAN DRAIN	91	75	218	162
1998-99	July-Sept.	SAN JUAN (SLOUGHS)	73	72	73	72
1998-99	July-Sept.	AZTEC POND	145	103	710	541
1998-99	April-June	SAN JUAN RIVER (QUALITY)	13787	842	39905	9863
1998-99	July-Sept.	SAN JUAN RIVER (QUALITY)	20859	924	56633	14070
1998-99	Oct.-March	SAN JUAN RIVER (QUALITY)	20090	903	62514	13052
1998-99	April-June	SAN JUAN RIVER	11262	836	32674	9680
1998-99	July-Sept.	SAN JUAN RIVER	14023	877	41727	11326
1998-99	Oct.-March	SAN JUAN RIVER	13356	900	39324	10709
1998-99	April-June	PINE RIVER	78	78	78	78
1998-99	July-Sept.	PINE RIVER	73	72	0	0
1998-99	April-June	NAVAJO RESERVOIR	11769	840	41030	9849
1998-99	July-Sept.	NAVAJO RESERVOIR	16566	966	66008	14138
1998-99	Oct.-March	NAVAJO RESERVOIR	11831	880	49975	10817
1998-99	April-June	ANIMAS RIVER	509	193	5130	2106
1998-99	July-Sept.	ANIMAS RIVER	580	205	765	677
1998-99	Oct.-March	ANIMAS RIVER	391	175	1944	973
1998-99	April-June	LAKE FARMINGTON	2486	421	17856	3963
1998-99	July-Sept.	LAKE FARMINGTON	1843	356	8321	2438
1998-99	Oct.-March	LAKE FARMINGTON	2761	446	12645	3232
1998-99	Oct.-March	BUTLER STREET RESERVOIR	78	78	4680	4691
1998-99	April-June	JACKSON LAKE	828	239	1690	905
1998-99	July-Sept.	JACKSON LAKE	1177	289	4267	1598
1998-99	Oct.-March	JACKSON LAKE	901	252	4257	1535
1998-99	July-Sept.	CHAMITA RIVER	18	18	18	18
1998-99	April-June	CHAMA RIVER (ABV EL VADO)	4056	529	8056	3808
1998-99	July-Sept.	CHAMA RIVER (ABV EL VADO)	8039	709	16609	7277
1998-99	Oct.-March	CHAMA RIVER (ABV EL VADO)	4711	587	11123	4710
1998-99	April-June	CHAMA RIVER (BLW EL VADO)	3280	485	7183	3280
1998-99	July-Sept.	CHAMA RIVER (BLW EL VADO)	4577	554	10128	4490
1998-99	Oct.-March	CHAMA RIVER (BLW EL VADO)	3198	483	6317	3186
1998-99	April-June	LITTLE CHAMA RIVER	78	78	312	312
1998-99	April-June	BRAZOS RIVER	3177	483	9248	3392
1998-99	July-Sept.	BRAZOS RIVER	4865	545	10983	4273
1998-99	Oct.-March	BRAZOS RIVER	3113	472	6875	3064
1998-99	April-June	HERON RESERVOIR	12227	898	33569	11476
1998-99	July-Sept.	HERON RESERVOIR	17494	1034	44187	16508
1998-99	Oct.-March	HERON RESERVOIR	14574	996	38349	13830
1998-99	April-June	EL VADO LAKE	3825	525	7568	3800
1998-99	July-Sept.	EL VADO LAKE	6581	660	15046	6389
1998-99	Oct.-March	EL VADO LAKE	4267	557	8342	4191
1998-99	April-June	NUTRIAS LAKE (UPPER)	494	180	3696	1581
1998-99	July-Sept.	NUTRIAS LAKE (UPPER)	163	104	326	274
1998-99	Oct.-March	NUTRIAS LAKE (UPPER)	411	176	885	579
1998-99	April-June	NUTRIAS CREEK	78	78	78	78
1998-99	April-June	CANJILON LAKES	1519	339	6088	2051
1998-99	July-Sept.	CANJILON LAKES	1448	317	3859	1671
1998-99	Oct.-March	CANJILON LAKES	665	223	2077	983
1998-99	July-Sept.	CANJILON CREEK	18	18	90	89
1998-99	April-June	GALLINA CREEK	156	110	312	292

1998-99	April-June	COYOTE CREEK (NE Cuba) total_days_statewide	722	224	1874	915
1998-99	July-Sept.	COYOTE CREEK (NE Cuba)	285	114	504	305
1998-99	Oct.-March	COYOTE CREEK (NE Cuba)	567	208	1872	908
1998-99	April-June	CANONES CREEK (ABIQUIU)	41	29	59	65
1998-99	April-June	ABIQUIU RESERVOIR	6795	695	12821	6661
1998-99	July-Sept.	ABIQUIU RESERVOIR	8988	772	18103	8820
1998-99	Oct.-March	ABIQUIU RESERVOIR	7324	730	12269	7200
1998-99	April-June	EL RITO CREEK (trib of Chama)	156	110	35376	25030
1998-99	July-Sept.	EL RITO CREEK (trib of Chama)	73	72	730	725
1998-99	Oct.-March	EL RITO CREEK (trib of Chama)	156	111	698	531
1998-99	April-June	BURNS LAKE	1031	280	1460	1138
1998-99	July-Sept.	BURNS LAKE	616	206	1116	726
1998-99	Oct.-March	BURNS LAKE	184	114	340	294
1998-99	April-June	CAVE CREEK	176	112	673	511
1998-99	April-June	MCGAFFEY LAKE	1359	307	5856	1835
1998-99	July-Sept.	MCGAFFEY LAKE	759	230	3416	1317
1998-99	Oct.-March	MCGAFFEY LAKE	662	213	948	683
1998-99	April-June	BLUEWATER CREEK	234	135	773	528
1998-99	Oct.-March	BLUEWATER CREEK	235	135	470	383
1998-99	April-June	BLUEWATER LAKE	11105	863	34112	10698
1998-99	July-Sept.	BLUEWATER LAKE	15343	979	38535	14716
1998-99	Oct.-March	BLUEWATER LAKE	16579	1062	45617	16041
1998-99	Oct.-March	LOBO CREEK	78	78	156	156
1998-99	July-Sept.	COTTONWOOD CREEK (nr Bluewater)	73	72	365	362
1998-99	April-June	RAMAH LAKE	6326	665	13275	6076
1998-99	July-Sept.	RAMAH LAKE	7146	688	17392	6988
1998-99	Oct.-March	RAMAH LAKE	6566	691	11826	6420
1998-99	April-June	RIO GRANDE (COCHITI LAKE TO I-40)	2071	390	5041	2214
1998-99	July-Sept.	RIO GRANDE (COCHITI LAKE TO I-40)	3244	477	8392	3458
1998-99	Oct.-March	RIO GRANDE (COCHITI LAKE TO I-40)	3932	543	8712	4058
1998-99	April-June	RIO GRANDE (I-40 TO ELEPHANT BUT	3437	493	12674	3674
1998-99	July-Sept.	RIO GRANDE (I-40 TO ELEPHANT BUT	3575	487	11106	3656
1998-99	Oct.-March	RIO GRANDE (I-40 TO ELEPHANT BUT	3128	473	8850	3163
1998-99	April-June	CORRALES RIVERSIDE DRAIN	156	110	4264	3025
1998-99	July-Sept.	CORRALES RIVERSIDE DRAIN	307	146	444	391
1998-99	Oct.-March	CORRALES RIVERSIDE DRAIN	491	182	809	548
1998-99	April-June	CONSERVANCY PARK LAKE (aka Tingl	78	78	78	78
1998-99	July-Sept.	CONSERVANCY PARK LAKE (aka Tingl	380	163	520	459
1998-99	Oct.-March	CONSERVANCY PARK LAKE (aka Tingl	391	175	621	516
1998-99	July-Sept.	PERALTA DRAIN	73	72	2920	2900
1998-99	Oct.-March	PERALTA DRAIN	156	111	1208	879
1998-99	July-Sept.	TOME RIVERSIDE DRAIN	73	72	73	72
1998-99	Oct.-March	TOME RIVERSIDE DRAIN	78	78	156	156
1998-99	July-Sept.	BELEN RIVERSIDE DRAIN	218	126	1526	914
1998-99	Oct.-March	BELEN RIVERSIDE DRAIN	419	177	6140	2563
1998-99	April-June	ESCONDIDA LAKE	234	135	295	325
1998-99	July-Sept.	ESCONDIDA LAKE	363	162	1951	964
1998-99	Oct.-March	ESCONDIDA LAKE	463	179	756	534
1998-99	April-June	MANZANO LAKE	1034	281	2592	1271
1998-99	July-Sept.	MANZANO LAKE	435	177	691	565
1998-99	Oct.-March	MANZANO LAKE	547	207	3496	1456
1998-99	April-June	TAJIQUE CREEK	234	135	1665	998
1998-99	July-Sept.	TAJIQUE CREEK	73	72	73	72
1998-99	Oct.-March	TAJIQUE CREEK	235	135	477	389

1998-99	April-June	ALBUQUERQUE DRAIN	78	78	312	312
1998-99	July-Sept.	ALBUQUERQUE DRAIN	73	72	73	72
1998-99	Oct.-March	ALBUQUERQUE DRAIN	313	156	1374	772
1998-99	July-Sept.	BERNALILLO DRAIN	218	126	314	324
1998-99	Oct.-March	BERNALILLO DRAIN	78	78	624	626
1998-99	April-June	ALBUQUERQUE DRAIN (South)	78	78	780	779
1998-99	July-Sept.	ALBUQUERQUE DRAIN (South)	73	72	146	145
1998-99	April-June	BERNARDO DRAIN	156	110	1011	739
1998-99	April-June	ISLETA DRAIN	21	21	42	42
1998-99	Oct.-March	ISLETA DRAIN	78	78	546	547
1998-99	April-June	LOS ALAMOS RESERVOIR	410	175	572	499
1998-99	July-Sept.	LOS ALAMOS RESERVOIR	145	103	435	355
1998-99	Oct.-March	LOS ALAMOS RESERVOIR	208	116	742	451
1998-99	April-June	MEDIO DIA CREEK	20	20	40	41
1998-99	July-Sept.	COCHITI CREEK	73	72	146	145
1998-99	April-June	JEMEZ RIVER	9173	794	17792	8779
1998-99	July-Sept.	JEMEZ RIVER	12473	896	26336	12085
1998-99	Oct.-March	JEMEZ RIVER	9716	831	21683	9461
1998-99	April-June	SAN ANTONIO RIVER	783	237	1210	842
1998-99	July-Sept.	SAN ANTONIO RIVER	887	251	1166	968
1998-99	Oct.-March	SAN ANTONIO RIVER	263	138	360	342
1998-99	April-June	JEMEZ RIVER EAST FORK	5057	598	8422	4840
1998-99	July-Sept.	JEMEZ RIVER EAST FORK	4935	575	8511	4798
1998-99	Oct.-March	JEMEZ RIVER EAST FORK	4816	599	8753	4876
1998-99	April-June	RIO LAS VACAS	878	258	1860	1060
1998-99	July-Sept.	RIO LAS VACAS	1268	299	3267	1486
1998-99	Oct.-March	RIO LAS VACAS	1330	321	2387	1500
1998-99	April-June	SAN GREGORIO LAKE	702	233	884	801
1998-99	July-Sept.	SAN GREGORIO LAKE	940	253	1689	1031
1998-99	Oct.-March	SAN GREGORIO LAKE	626	221	1145	778
1998-99	April-June	CLEAR CREEK (Jemez Mts)	234	135	295	325
1998-99	July-Sept.	CLEAR CREEK (Jemez Mts)	162	104	1518	1027
1998-99	Oct.-March	CLEAR CREEK (Jemez Mts)	78	78	234	235
1998-99	July-Sept.	RITO DE LAS PALOMAS	18	18	36	36
1998-99	July-Sept.	AMERICAN CREEK (Jemez)	73	72	292	290
1998-99	July-Sept.	RITO PENAS NEGRAS	18	18	18	18
1998-99	Oct.-March	LA JARA CREEK (Upper)	20	20	40	39
1998-99	April-June	CEBOLLA RIVER	743	235	1180	853
1998-99	July-Sept.	CEBOLLA RIVER	725	229	1241	863
1998-99	Oct.-March	CEBOLLA RIVER	263	138	324	328
1998-99	April-June	FENTON LAKE	11623	889	22649	11267
1998-99	July-Sept.	FENTON LAKE	13360	919	23786	12715
1998-99	Oct.-March	FENTON LAKE	12472	939	25492	12253
1998-99	April-June	GUADALUPE RIVER	353	158	608	463
1998-99	July-Sept.	GUADALUPE RIVER	888	251	1944	1062
1998-99	Oct.-March	GUADALUPE RIVER	571	208	885	683
1998-99	April-June	COCHITI LAKE	11223	879	26728	11076
1998-99	July-Sept.	COCHITI LAKE	15400	991	32744	15122
1998-99	Oct.-March	COCHITI LAKE	10887	874	27020	10523
1998-99	April-June	RITO CAFÉ	78	78	78	78
1998-99	July-Sept.	RITO CAFÉ	73	72	146	145
1998-99	April-June	RIO GRANDE (PILAR TO COCHITI LAKE	3087	473	7086	3128
1998-99	July-Sept.	RIO GRANDE (PILAR TO COCHITI LAKE	3673	500	7102	3653
1998-99	Oct.-March	RIO GRANDE (PILAR TO COCHITI LAKE	3614	509	8179	3526

1998-99	April-June	CHAMA RIVER (BELOW ABIQUIU)	statewide	1817	366	3728	1909
1998-99	July-Sept.	CHAMA RIVER (BELOW ABIQUIU)		3273	469	6756	3251
1998-99	Oct.-March	CHAMA RIVER (BELOW ABIQUIU)		2072	381	3713	1972
1998-99	April-June	VALLECITOS		173	111	173	221
1998-99	July-Sept.	VALLECITOS		543	193	1439	757
1998-99	Oct.-March	VALLECITOS		313	156	645	484
1998-99	April-June	RIO DEL MEDIO		17	17	17	17
1998-99	July-Sept.	RIO DEL MEDIO		91	75	18	18
1998-99	July-Sept.	RIO FRIJOLES		73	72	0	0
1998-99	Oct.-March	RIO FRIJOLES		78	78	390	391
1998-99	April-June	SANTA CRUZ RESERVOIR		1793	371	8682	2574
1998-99	July-Sept.	SANTA CRUZ RESERVOIR		1447	316	3149	1567
1998-99	Oct.-March	SANTA CRUZ RESERVOIR		1065	283	3694	1442
1998-99	July-Sept.	RIO EN MEDIO		145	103	355	310
1998-99	April-June	BIG TESUQUE		78	78	156	156
1998-99	July-Sept.	SANTA FE RIVER		18	18	18	18
1998-99	April-June	SANTA CRUZ RIVER		78	78	156	156
1998-99	Oct.-March	SANTA CRUZ RIVER		28	27	28	27
1998-99	April-June	LOS PINOS RIVER		1363	314	4207	1625
1998-99	July-Sept.	LOS PINOS RIVER		1402	296	3256	1410
1998-99	Oct.-March	LOS PINOS RIVER		880	259	2981	1276
1998-99	April-June	LAGUNITAS LAKES		390	174	641	522
1998-99	July-Sept.	LAGUNITAS LAKES		488	180	1333	682
1998-99	Oct.-March	LAGUNITAS LAKES		411	176	721	539
1998-99	April-June	HOPEWELL LAKE		234	135	337	348
1998-99	July-Sept.	HOPEWELL LAKE		508	192	1097	683
1998-99	Oct.-March	HOPEWELL LAKE		469	191	1205	708
1998-99	April-June	LAGUNA LARGA		78	78	78	78
1998-99	July-Sept.	LAGUNA LARGA		290	145	613	459
1998-99	Oct.-March	LAGUNA LARGA		20	20	40	39
1998-99	April-June	PLACER CREEK		78	78	624	623
1998-99	April-June	TUSAS CREEK		156	110	510	416
1998-99	July-Sept.	TUSAS CREEK		17	17	51	50
1998-99	Oct.-March	TUSAS CREEK		78	78	156	156
1998-99	April-June	RED RIVER HATCHERY POND		132	84	220	113
1998-99	July-Sept.	RED RIVER HATCHERY POND		68	34	971	541
1998-99	Oct.-March	RED RIVER HATCHERY POND		78	78	234	235
1998-99	April-June	RIO GRANDE (GORGE- ABV PILAR)		4634	566	11900	4455
1998-99	July-Sept.	RIO GRANDE (GORGE- ABV PILAR)		6682	645	13134	5966
1998-99	Oct.-March	RIO GRANDE (GORGE- ABV PILAR)		4591	553	9335	4006
1998-99	April-June	LATIR CREEK WEST		95	80	675	626
1998-99	July-Sept.	LATIR CREEK WEST		180	105	241	240
1998-99	Oct.-March	LATIR CREEK WEST		20	20	40	39
1998-99	April-June	MIDDLE FORK LAKE		132	84	146	98
1998-99	July-Sept.	MIDDLE FORK LAKE		304	97	355	251
1998-99	Oct.-March	MIDDLE FORK LAKE		20	20	20	20
1998-99	April-June	GOOSE LAKE		190	60	264	175
1998-99	July-Sept.	GOOSE LAKE		798	134	1151	697
1998-99	Oct.-March	GOOSE LAKE		274	138	335	331
1998-99	July-Sept.	GOOSE CREEK		36	25	36	51
1998-99	Oct.-March	GOOSE CREEK		20	20	40	39
1998-99	July-Sept.	BITTER CREEK		35	24	87	61
1998-99	April-June	FAWN LAKES		407	130	801	332
1998-99	July-Sept.	FAWN LAKES		1003	132	2490	924

1998-99	Oct.-March	FAWN LAKES extract_total_days_statewide	263	138	654	453
1998-99	July-Sept.	COLUMBINE CREEK	18	18	36	36
1998-99	April-June	EAGLE ROCK LAKE	20	20	20	20
1998-99	July-Sept.	EAGLE ROCK LAKE	251	111	499	293
1998-99	Oct.-March	EAGLE ROCK LAKE	78	78	390	391
1998-99	April-June	CABRESTO CREEK LAKE FORK	17	17	17	17
1998-99	April-June	CABRESTO LAKE	370	159	583	444
1998-99	July-Sept.	CABRESTO LAKE	658	153	774	504
1998-99	Oct.-March	CABRESTO LAKE	235	135	540	414
1998-99	April-June	CABRESTO CREEK	176	89	482	334
1998-99	July-Sept.	CABRESTO CREEK	324	133	575	353
1998-99	Oct.-March	CABRESTO CREEK	98	81	490	403
1998-99	April-June	RED RIVER (ABV QUESTA)	5213	520	11989	3688
1998-99	July-Sept.	RED RIVER (ABV QUESTA)	9997	609	23430	6576
1998-99	Oct.-March	RED RIVER (ABV QUESTA)	4253	519	9719	3524
1998-99	April-June	RED RIVER (BELOW QUESTA)	4176	484	8621	3161
1998-99	July-Sept.	RED RIVER (BELOW QUESTA)	7288	573	13552	4955
1998-99	Oct.-March	RED RIVER (BELOW QUESTA)	3691	486	8612	3147
1998-99	April-June	PONIL CREEK	20	20	20	20
1998-99	July-Sept.	PONIL CREEK	53	30	69	59
1998-99	Oct.-March	PONIL CREEK	20	20	20	20
1998-99	April-June	COSTILLA CREEK	933	243	1856	923
1998-99	July-Sept.	COSTILLA CREEK	1157	189	1977	803
1998-99	Oct.-March	COSTILLA CREEK	362	145	564	364
1998-99	April-June	COMANCHE CREEK (upper)	95	80	95	80
1998-99	July-Sept.	COMANCHE CREEK (upper)	73	72	146	145
1998-99	July-Sept.	LA CUEVA CREEK	73	72	146	145
1998-99	July-Sept.	LITTLE COSTILLA CREEK	18	18	36	36
1998-99	Oct.-March	SPRING WAGON CREEK	78	78	234	235
1998-99	July-Sept.	VIDAL CREEK	53	30	86	66
1998-99	April-June	SHUREE PONDS	604	208	1324	759
1998-99	July-Sept.	SHUREE PONDS	1484	278	2749	1215
1998-99	Oct.-March	SHUREE PONDS	137	85	887	789
1998-99	April-June	CIMARRON RIVER (West of Cimarron)	7122	595	17794	4889
1998-99	July-Sept.	CIMARRON RIVER (West of Cimarron)	10988	721	26150	7551
1998-99	Oct.-March	CIMARRON RIVER (West of Cimarron)	5861	611	13694	4876
1998-99	April-June	CIMARRON RIVER GRAVEL PIT LAKES	95	80	68	68
1998-99	July-Sept.	CIMARRON RIVER GRAVEL PIT LAKES	280	94	1049	366
1998-99	Oct.-March	CIMARRON RIVER GRAVEL PIT LAKES	39	28	156	127
1998-99	July-Sept.	TOLBY CREEK	36	25	36	51
1998-99	April-June	EAGLE NEST LAKE	13442	878	32998	10538
1998-99	July-Sept.	EAGLE NEST LAKE	19220	997	46541	14659
1998-99	Oct.-March	EAGLE NEST LAKE	14660	973	31033	12729
1998-99	July-Sept.	RAYADO CREEK	102	41	143	85
1998-99	Oct.-March	RAYADO CREEK	48	34	116	81
1998-99	July-Sept.	OLYMPIC PARK LAKE (ANGEL FIRE)	18	18	18	18
1998-99	April-June	LOST LAKE	41	29	41	58
1998-99	July-Sept.	LOST LAKE	141	50	197	135
1998-99	July-Sept.	HORSESHOE LAKE	214	88	348	200
1998-99	April-June	HONDO RIVER	580	196	1483	751
1998-99	July-Sept.	HONDO RIVER	1367	282	6269	1855
1998-99	Oct.-March	HONDO RIVER	176	112	574	424
1998-99	July-Sept.	LUCERO CREEK	18	18	54	53
1998-99	April-June	TAOS CREEK (aka RIO FERNANDO DE	119	83	275	241

1998-99	July-Sept.	TAOS CREEK (aka RIO FERNANDO DE	Statewide	163	104	276	256
1998-99	Oct.-March	TAOS CREEK (aka RIO FERNANDO DE		156	111	156	221
1998-99	April-June	LITTLE RIO GRANDE		17	17	17	17
1998-99	July-Sept.	LITTLE RIO GRANDE		124	78	402	301
1998-99	April-June	RIO CHIQUITO		390	174	558	504
1998-99	July-Sept.	RIO CHIQUITO		325	147	1065	553
1998-99	Oct.-March	RIO CHIQUITO		391	175	1810	918
1998-99	April-June	POT CREEK		268	137	329	326
1998-99	July-Sept.	POT CREEK		91	75	456	435
1998-99	Oct.-March	POT CREEK		78	78	78	78
1998-99	April-June	ALAMITOS CREEK		78	78	312	312
1998-99	July-Sept.	ALAMITOS CREEK		73	72	730	725
1998-99	April-June	LA JUNTA CREEK		132	84	549	344
1998-99	July-Sept.	LA JUNTA CREEK		140	80	96	77
1998-99	Oct.-March	LA JUNTA CREEK		20	20	240	237
1998-99	April-June	RIO PUEBLO		1512	311	3911	1485
1998-99	July-Sept.	RIO PUEBLO		1963	324	6462	1801
1998-99	Oct.-March	RIO PUEBLO		610	210	3387	1290
1998-99	April-June	SANTA BARBARA		529	194	1412	751
1998-99	July-Sept.	SANTA BARBARA		953	237	1854	947
1998-99	Oct.-March	SANTA BARBARA		235	135	719	497
1998-99	April-June	EMBUDO CREEK		234	135	1724	1031
1998-99	July-Sept.	EMBUDO CREEK		73	72	438	435
1998-99	Oct.-March	EMBUDO CREEK		98	81	410	391
1998-99	April-June	RIO LAS TRAMPAS		95	80	190	160
1998-99	July-Sept.	RIO LAS TRAMPAS		73	72	146	145
1998-99	Oct.-March	RIO LAS TRAMPAS		156	111	441	373
1998-99	April-June	TRUCHAS RIVER		20	20	20	20
1998-99	July-Sept.	SIPAPU POND		18	18	54	53
1998-99	Oct.-March	SIPAPU POND		78	78	78	78
1998-99	July-Sept.	RIO TUSAS		73	72	438	435
1998-99	April-June	PECOS RIVER (PECOS WILDERNESS A		6455	664	14018	6008
1998-99	July-Sept.	PECOS RIVER (PECOS WILDERNESS A		11170	831	22272	10103
1998-99	Oct.-March	PECOS RIVER (PECOS WILDERNESS A		6364	674	15103	6132
1998-99	April-June	DOCTOR CREEK		20	20	20	20
1998-99	April-June	LAKE ALICE (Wilderness)		21	21	21	21
1998-99	July-Sept.	LAKE ALICE (Wilderness)		73	72	438	435
1998-99	April-June	NORTH FORK LAKE		17	17	68	68
1998-99	Oct.-March	NORTH FORK LAKE		78	78	78	78
1998-99	July-Sept.	MIDDLE FORK LAKE RIO LA CASA		18	18	18	18
1998-99	April-June	RIO LA CASA (Wilderness)		78	78	78	78
1998-99	July-Sept.	RITO DE LAS CHIMAYOSOS		91	75	163	115
1998-99	July-Sept.	RITO DEL PADRE		73	72	146	145
1998-99	July-Sept.	TRUCHAS PEAK LAKE		18	18	18	18
1998-99	July-Sept.	PECOS BALDY LAKE		18	18	18	18
1998-99	Oct.-March	PECOS BALDY LAKE		20	20	60	59
1998-99	July-Sept.	LAKE KATHERINE		109	77	251	169
1998-99	April-June	SPIRIT LAKE		20	20	60	61
1998-99	April-June	STEWART LAKE		37	26	37	26
1998-99	July-Sept.	STEWART LAKE		73	72	73	72
1998-99	Oct.-March	STEWART LAKE		78	78	234	235
1998-99	July-Sept.	RITO PERRO		18	18	18	18
1998-99	April-June	PANCHUELA CREEK (Wilderness)		78	78	234	234
1998-99	July-Sept.	RITO DEL OSO		73	72	219	217

1998-99	July-Sept.	BEAVER CREEK extract_total_days_statewide	109	77	255	223
1998-99	April-June	PECOS RIVER (ANTON CHICO)	9477	800	26465	8999
1998-99	July-Sept.	PECOS RIVER (ANTON CHICO)	14241	919	32134	12483
1998-99	Oct.-March	PECOS RIVER (ANTON CHICO)	9040	800	24388	8766
1998-99	April-June	JACKS CREEK	78	78	156	156
1998-99	April-June	WINSOR CREEK	119	83	369	224
1998-99	July-Sept.	WINSOR CREEK	90	74	163	146
1998-99	Oct.-March	WINSOR CREEK	28	27	28	27
1998-99	April-June	WILLOW CREEK (Pecos Drainage)	722	234	2536	1125
1998-99	July-Sept.	WILLOW CREEK (Pecos Drainage)	145	103	290	271
1998-99	Oct.-March	WILLOW CREEK (Pecos Drainage)	313	156	1714	925
1998-99	April-June	HOLY GHOST CREEK	156	110	221	256
1998-99	July-Sept.	HOLY GHOST CREEK	160	82	558	379
1998-99	Oct.-March	HOLY GHOST CREEK	333	158	531	439
1998-99	April-June	MORA (PECOS RIVER DRAINAGE)	468	178	858	568
1998-99	July-Sept.	MORA (PECOS RIVER DRAINAGE)	195	106	461	321
1998-99	Oct.-March	MORA (PECOS RIVER DRAINAGE)	156	111	221	256
1998-99	April-June	MONASTERY LAKE	5273	614	12325	5240
1998-99	July-Sept.	MONASTERY LAKE	7904	720	18865	7646
1998-99	Oct.-March	MONASTERY LAKE	5927	651	12597	5688
1998-99	April-June	BULL CREEK	78	78	78	78
1998-99	July-Sept.	BULL CREEK	73	72	73	72
1998-99	April-June	COW CREEK	312	156	450	430
1998-99	July-Sept.	COW CREEK	471	179	842	571
1998-99	Oct.-March	COW CREEK	235	135	296	327
1998-99	April-June	DALTON CANYON	78	78	78	78
1998-99	April-June	LAKE MALOYA	1147	284	9652	2696
1998-99	July-Sept.	LAKE MALOYA	1574	288	11405	2886
1998-99	Oct.-March	LAKE MALOYA	1397	317	9331	2589
1998-99	April-June	CHICORICO CREEK	78	78	78	78
1998-99	April-June	LAKE ALICE (Sugarite Canyon)	387	160	1346	633
1998-99	July-Sept.	LAKE ALICE (Sugarite Canyon)	143	81	1293	1032
1998-99	Oct.-March	LAKE ALICE (Sugarite Canyon)	263	138	642	440
1998-99	April-June	CANADIAN RIVER (Upper)	156	110	221	256
1998-99	July-Sept.	CANADIAN RIVER (Upper)	73	72	146	145
1998-99	Oct.-March	CANADIAN RIVER (Upper)	156	111	657	515
1998-99	April-June	MAXWELL LAKE 13	815	238	2251	995
1998-99	July-Sept.	MAXWELL LAKE 13	1116	266	3849	1382
1998-99	Oct.-March	MAXWELL LAKE 13	497	193	914	637
1998-99	July-Sept.	LAGUNA MADRE	73	72	0	0
1998-99	April-June	STUBBLEFIELD LAKE	153	86	1033	796
1998-99	July-Sept.	STUBBLEFIELD LAKE	253	128	423	338
1998-99	Oct.-March	STUBBLEFIELD LAKE	313	156	6908	3474
1998-99	April-June	SPRINGER LAKE	370	159	1817	932
1998-99	July-Sept.	SPRINGER LAKE	742	229	1347	862
1998-99	Oct.-March	SPRINGER LAKE	184	114	249	258
1998-99	July-Sept.	CHARETTE LAKE UPPER	163	104	1326	930
1998-99	April-June	CHARETTE LAKE LOWER	2346	407	4437	2303
1998-99	July-Sept.	CHARETTE LAKE LOWER	2634	414	11253	3027
1998-99	Oct.-March	CHARETTE LAKE LOWER	2433	427	4184	2510
1998-99	Oct.-March	LUNA CREEK	78	78	234	235
1998-99	April-June	MORA RIVER (upper)	444	177	1128	627
1998-99	July-Sept.	MORA RIVER (upper)	868	242	3438	1315
1998-99	July-Sept.	AGUA FRIA CREEK (near Mora)	18	18	36	36

1998-99	April-June	COYOTE CREEK (nr Guadalupita)	408	161	1691	739
1998-99	July-Sept.	COYOTE CREEK (nr Guadalupita)	766	203	2480	938
1998-99	Oct.-March	COYOTE CREEK (nr Guadalupita)	376	161	2200	998
1998-99	April-June	MORPHY RESERVOIR	1654	355	4666	1955
1998-99	July-Sept.	MORPHY RESERVOIR	1971	369	5185	2175
1998-99	Oct.-March	MORPHY RESERVOIR	1271	312	3771	1589
1998-99	July-Sept.	ENCHANTED (ENCANTADA) LAKE	73	72	73	72
1998-99	July-Sept.	DRY CIMARRON	254	128	586	403
1998-99	Oct.-March	DRY CIMARRON	78	78	78	78
1998-99	April-June	CLAYTON LAKE	1785	319	15084	3517
1998-99	July-Sept.	CLAYTON LAKE	2240	337	5017	1711
1998-99	Oct.-March	CLAYTON LAKE	1369	286	2455	1173
1998-99	April-June	CANADIAN RIVER (Lower)	78	78	312	312
1998-99	July-Sept.	CANADIAN RIVER (Lower)	91	75	182	149
1998-99	April-June	CONCHAS LAKE	10226	782	36250	8502
1998-99	July-Sept.	CONCHAS LAKE	11209	833	37770	10389
1998-99	Oct.-March	CONCHAS LAKE	9353	796	31070	8701
1998-99	April-June	UTE LAKE	5439	550	24591	4583
1998-99	July-Sept.	UTE LAKE	6403	599	27508	5587
1998-99	Oct.-March	UTE LAKE	5046	575	19199	4716
1998-99	April-June	PECOS RIVER (PECOS TO VILLANUEV	2807	448	5482	2762
1998-99	July-Sept.	PECOS RIVER (PECOS TO VILLANUEV	3824	502	8196	3681
1998-99	Oct.-March	PECOS RIVER (PECOS TO VILLANUEV	3373	500	8992	3514
1998-99	April-June	SAPELLO CREEK (LOWER, Mora Draina	98	81	60	61
1998-99	July-Sept.	SAPELLO CREEK (LOWER, Mora Draina	91	75	655	527
1998-99	April-June	EL PORVENIR CREEK (2115)	20	20	100	101
1998-99	July-Sept.	EL PORVENIR CREEK (2115)	18	18	36	36
1998-99	April-June	GALLINAS RIVER (nr Las Vegas)	760	236	6435	2224
1998-99	July-Sept.	GALLINAS RIVER (nr Las Vegas)	1355	301	9671	2555
1998-99	Oct.-March	GALLINAS RIVER (nr Las Vegas)	532	195	2280	1012
1998-99	July-Sept.	GALLINAS ICE POND	17	17	85	83
1998-99	April-June	BLUE CANYON CREEK	20	20	60	61
1998-99	Oct.-March	BLUE CANYON CREEK	78	78	390	391
1998-99	April-June	TECOLOTE RIVER	115	82	162	118
1998-99	April-June	STORRIE RESERVOIR	4129	546	12350	4279
1998-99	July-Sept.	STORRIE RESERVOIR	6087	637	19259	6110
1998-99	Oct.-March	STORRIE RESERVOIR	4669	583	12713	4699
1998-99	April-June	MCALLISTER LAKE	3735	527	8391	3888
1998-99	July-Sept.	MCALLISTER LAKE	5892	631	12675	5851
1998-99	Oct.-March	MCALLISTER LAKE	5668	649	11664	5750
1998-99	July-Sept.	HARRIS LAKE	73	72	730	725
1998-99	April-June	PECOS RIVER (LAKE SUMNER TO ROS	722	234	3102	1264
1998-99	July-Sept.	PECOS RIVER (LAKE SUMNER TO ROS	870	250	2363	1133
1998-99	Oct.-March	PECOS RIVER (LAKE SUMNER TO ROS	995	257	2580	1107
1998-99	April-June	PECOS RIVER (VILLANUEVA TO I-40)	1112	291	1984	1244
1998-99	July-Sept.	PECOS RIVER (VILLANUEVA TO I-40)	1875	351	4557	1926
1998-99	Oct.-March	PECOS RIVER (VILLANUEVA TO I-40)	1980	384	3811	2059
1998-99	April-June	PECOS RIVER (I-40 TO LAKE SUMNER)	665	222	2880	1201
1998-99	July-Sept.	PECOS RIVER (I-40 TO LAKE SUMNER)	1559	332	4312	1813
1998-99	Oct.-March	PECOS RIVER (I-40 TO LAKE SUMNER)	580	198	615	550
1998-99	July-Sept.	PARK LAKE	73	72	730	725
1998-99	April-June	EL RITO CREEK (nr Santa Rosa)	156	110	386	337
1998-99	April-June	POWER DAM LAKE	489	192	1465	788
1998-99	July-Sept.	POWER DAM LAKE	435	177	1093	661

1998-99	Oct.-March	POWER DAM LAKE	extract_total_days_statewide	391	175	1976	981
1998-99	April-June	LAKE SUMNER		3394	500	10339	3654
1998-99	July-Sept.	LAKE SUMNER		4058	528	10477	4183
1998-99	Oct.-March	LAKE SUMNER		3369	496	8965	3444
1998-99	April-June	BOSQUE REDONDO		251	136	569	412
1998-99	July-Sept.	BOSQUE REDONDO		218	126	2894	1695
1998-99	Oct.-March	BOSQUE REDONDO		78	78	312	313
1998-99	Oct.-March	TRES LAGUNAS		28	27	112	110
1998-99	April-June	SANTA ROSA LAKE		4589	576	12485	4675
1998-99	July-Sept.	SANTA ROSA LAKE		5758	627	15124	5860
1998-99	Oct.-March	SANTA ROSA LAKE		5403	630	10574	5360
1998-99	April-June	FT SUMNER OLD FORT POND		21	21	42	42
1998-99	July-Sept.	FT SUMNER OLD FORT POND		73	72	292	290
1998-99	Oct.-March	SWAN LAKE		78	78	0	0
1998-99	April-June	GREENE ACRES LAKE		234	135	234	302
1998-99	July-Sept.	GREENE ACRES LAKE		218	126	617	441
1998-99	Oct.-March	GREENE ACRES LAKE		235	135	339	350
1998-99	April-June	OASIS PARK LAKE		332	157	393	406
1998-99	July-Sept.	OASIS PARK LAKE		525	192	839	636
1998-99	Oct.-March	OASIS PARK LAKE		599	210	2853	1197
1998-99	April-June	NED HOUK PONDS		312	156	441	418
1998-99	July-Sept.	NED HOUK PONDS		290	145	1207	694
1998-99	Oct.-March	NED HOUK PONDS		263	138	1499	834
1998-99	July-Sept.	CHAPARRAL PARK LAKE		145	103	205	238
1998-99	Oct.-March	CHAPARRAL PARK LAKE		176	112	282	277
1998-99	July-Sept.	LOVINGTON LAKE		73	72	2190	2175
1998-99	Oct.-March	LOVINGTON LAKE		78	78	468	469
1998-99	April-June	GREEN MEADOW LAKE		78	78	0	0
1998-99	July-Sept.	GREEN MEADOW LAKE		73	72	219	217
1998-99	Oct.-March	GREEN MEADOW LAKE		850	250	4376	1583
1998-99	July-Sept.	EUNICE LAKE		73	72	584	580
1998-99	Oct.-March	EUNICE LAKE		567	208	4669	1850
1998-99	April-June	JAL LAKE		173	111	450	323
1998-99	July-Sept.	JAL LAKE		69	34	217	136
1998-99	Oct.-March	JAL LAKE		430	177	5619	2458
1998-99	July-Sept.	MADDOX LAKE		145	103	3329	2364
1998-99	Oct.-March	MADDOX LAKE		337	158	828	530
1998-99	Oct.-March	HARRY MCADAMS PARK POND		78	78	936	938
1998-99	April-June	PECOS RIVER (ROSWELL TO BRANTLE		1560	340	7602	2276
1998-99	July-Sept.	PECOS RIVER (ROSWELL TO BRANTLE		2735	438	13064	3438
1998-99	Oct.-March	PECOS RIVER (ROSWELL TO BRANTLE		2453	428	8283	2794
1998-99	April-June	BOTTOMLESS LAKES		234	135	1800	1075
1998-99	July-Sept.	BOTTOMLESS LAKES		145	103	1068	781
1998-99	Oct.-March	BOTTOMLESS LAKES		599	210	1996	940
1998-99	April-June	LAKE VAN		801	247	4146	1540
1998-99	July-Sept.	LAKE VAN		832	241	4638	1614
1998-99	Oct.-March	LAKE VAN		728	235	2535	1108
1998-99	July-Sept.	NOGAL LAKE		18	18	18	18
1998-99	April-June	BONITO LAKE		9567	767	22336	7939
1998-99	July-Sept.	BONITO LAKE		14560	881	37173	11232
1998-99	Oct.-March	BONITO LAKE		10748	858	28263	10003
1998-99	April-June	RIO BONITO		1804	353	6273	2069
1998-99	July-Sept.	RIO BONITO		1544	307	3266	1457
1998-99	Oct.-March	RIO BONITO		1794	356	5088	1918

1998-99	April-June	RUIDOSO RIVERextract_total_days_statewide	3285	467	6432	2955
1998-99	July-Sept.	RUIDOSO RIVER	4459	474	9851	3192
1998-99	Oct.-March	RUIDOSO RIVER	5036	587	13531	4645
1998-99	July-Sept.	EAGLE CREEK	36	25	277	199
1998-99	Oct.-March	EAGLE CREEK	78	78	78	78
1998-99	April-June	ALTO LAKES	271	120	831	449
1998-99	July-Sept.	ALTO LAKES	359	149	464	386
1998-99	Oct.-March	ALTO LAKES	302	141	949	550
1998-99	April-June	THREE RIVERS CREEK	78	78	78	78
1998-99	Oct.-March	ARROYO SECO CREEK	78	78	78	78
1998-99	July-Sept.	CARRIZOZO RECREATION LAKE	73	72	73	72
1998-99	Oct.-March	CARRIZOZO RECREATION LAKE	156	111	2290	1639
1998-99	April-June	GRINDSTONE RESERVOIR	4654	554	11897	4224
1998-99	July-Sept.	GRINDSTONE RESERVOIR	6228	600	16567	5183
1998-99	Oct.-March	GRINDSTONE RESERVOIR	5741	623	20704	5444
1998-99	April-June	TULAROSA CREEK (nr Tularosa)	78	78	156	156
1998-99	July-Sept.	TULAROSA CREEK (nr Tularosa)	290	145	410	392
1998-99	Oct.-March	TULAROSA CREEK (nr Tularosa)	78	78	312	313
1998-99	July-Sept.	ALAMOGORDO CITY RESERVOIR	18	18	144	142
1998-99	April-June	TULAROSA LAKE	78	78	78	78
1998-99	April-June	SACRAMENTO RIVER	37	26	37	26
1998-99	July-Sept.	SACRAMENTO RIVER	145	103	767	573
1998-99	April-June	PENASCO RIVER (upper)	1411	308	3993	1517
1998-99	July-Sept.	PENASCO RIVER (upper)	1727	330	3762	1674
1998-99	Oct.-March	PENASCO RIVER (upper)	1398	310	3457	1459
1998-99	April-June	AGUA CHIQUITA	234	135	425	375
1998-99	April-June	PECOS RIVER (BELOW BRANTLEY RES	3839	529	24939	5089
1998-99	July-Sept.	PECOS RIVER (BELOW BRANTLEY RES	3278	477	24779	4861
1998-99	Oct.-March	PECOS RIVER (BELOW BRANTLEY RES	4680	586	28930	5839
1998-99	April-June	BRANTLEY DAM	5628	636	27018	6255
1998-99	July-Sept.	BRANTLEY DAM	5351	597	28949	6058
1998-99	Oct.-March	BRANTLEY DAM	5681	643	22628	6042
1998-99	Oct.-March	AVALON LAKE	156	111	282	277
1998-99	April-June	CARLSBAD MUNICIPAL LAKE	2049	389	15088	3527
1998-99	July-Sept.	CARLSBAD MUNICIPAL LAKE	2133	383	8133	2534
1998-99	Oct.-March	CARLSBAD MUNICIPAL LAKE	2386	422	13685	3370
1998-99	July-Sept.	SIX MILE DAM LAKE	91	75	182	149
1998-99	April-June	BLACK RIVER	312	156	1102	652
1998-99	July-Sept.	BLACK RIVER	235	127	853	553
1998-99	Oct.-March	BLACK RIVER	411	176	1637	837
1998-99	April-June	RED BLUFF LAKE	78	78	390	390
1998-99	Oct.-March	RED BLUFF LAKE	78	78	468	469
1998-99	April-June	RIO GRANDE (ELEPHANT BUTTE TO C	2665	409	13857	3186
1998-99	July-Sept.	RIO GRANDE (ELEPHANT BUTTE TO C	2924	428	11718	3077
1998-99	Oct.-March	RIO GRANDE (ELEPHANT BUTTE TO C	5785	634	25422	5926
1998-99	April-June	RIO GRANDE (BLW CABALLO LAKE)	2405	375	8612	2319
1998-99	July-Sept.	RIO GRANDE (BLW CABALLO LAKE)	3852	483	13899	3680
1998-99	Oct.-March	RIO GRANDE (BLW CABALLO LAKE)	3109	463	12433	3322
1998-99	April-June	ELEPHANT BUTTE LAKE	24068	1169	101789	21081
1998-99	July-Sept.	ELEPHANT BUTTE LAKE	27637	1223	107035	24117
1998-99	Oct.-March	ELEPHANT BUTTE LAKE	24757	1224	108162	21691
1998-99	April-June	CABALLO LAKE	8417	706	30810	7008
1998-99	July-Sept.	CABALLO LAKE	9571	730	35552	7902
1998-99	Oct.-March	CABALLO LAKE	8033	721	27932	7088

1998-99	April-June	GARFIELD DRAINxtract_total_days_statewide	17	17	272	271
1998-99	July-Sept.	GARFIELD DRAIN	17	17	51	50
1998-99	April-June	RINCON DRAIN	78	78	390	390
1998-99	July-Sept.	DEL RIO DRAIN	73	72	146	145
1998-99	April-June	BURN LAKE	1644	342	7865	2277
1998-99	July-Sept.	BURN LAKE	3339	474	17550	4041
1998-99	Oct.-March	BURN LAKE	3437	501	12779	3760
1998-99	July-Sept.	SANTO TOMAS DRAIN	73	72	73	72
1998-99	April-June	GILA RIVER	1272	297	3021	1372
1998-99	July-Sept.	GILA RIVER	2389	389	6764	2374
1998-99	Oct.-March	GILA RIVER	2322	410	4653	2327
1998-99	July-Sept.	TAYLOR CREEK	73	72	365	362
1998-99	April-June	WALL LAKE	349	158	680	483
1998-99	July-Sept.	WALL LAKE	341	148	785	458
1998-99	Oct.-March	WALL LAKE	411	176	888	574
1998-99	July-Sept.	DIAMOND CREEK	17	17	51	50
1998-99	July-Sept.	BLACK CANYON	17	17	34	33
1998-99	July-Sept.	LITTLE CREEK POND	17	17	34	33
1998-99	April-June	LAKE ROBERTS	1468	324	4052	1655
1998-99	July-Sept.	LAKE ROBERTS	3014	448	6521	2970
1998-99	Oct.-March	LAKE ROBERTS	5913	629	18542	5438
1998-99	April-June	SAPILLO CREEK (nr Lake Roberts)	78	78	468	468
1998-99	July-Sept.	SAPILLO CREEK (nr Lake Roberts)	145	103	410	346
1998-99	Oct.-March	SAPILLO CREEK (nr Lake Roberts)	78	78	234	235
1998-99	April-June	TROUT CREEK	78	78	78	78
1998-99	July-Sept.	TROUT CREEK	73	72	146	145
1998-99	July-Sept.	MIMBRES RIVER	17	17	51	50
1998-99	April-June	BEAR CANYON RESERVOIR	1898	373	4242	2015
1998-99	July-Sept.	BEAR CANYON RESERVOIR	3338	470	9657	3382
1998-99	Oct.-March	BEAR CANYON RESERVOIR	3966	533	11939	3999
1998-99	April-June	BILL EVANS LAKE	2855	454	8756	3048
1998-99	July-Sept.	BILL EVANS LAKE	3516	482	7525	3419
1998-99	Oct.-March	BILL EVANS LAKE	5569	636	15249	5571
1998-99	April-June	GILA RIVER (EAST, MIDDLE, WEST FO	1701	338	3994	1662
1998-99	July-Sept.	GILA RIVER (EAST, MIDDLE, WEST FO	2253	376	4444	2096
1998-99	Oct.-March	GILA RIVER (EAST, MIDDLE, WEST FO	1717	341	3985	1671
1998-99	July-Sept.	RAIN CREEK	73	72	146	145
1998-99	July-Sept.	IRON CREEK	73	72	146	145
1998-99	Oct.-March	IRON CREEK	78	78	156	156
1998-99	July-Sept.	LANGSTROTH CREEK	18	18	18	18
1998-99	April-June	MOGOLLON CREEK	20	20	80	81
1998-99	July-Sept.	MOGOLLON CREEK	18	18	54	53
1998-99	April-June	ANIMAS CREEK	78	78	78	78
1998-99	July-Sept.	ANIMAS CREEK	73	72	584	580
1998-99	April-June	WILLOW CREEK (Gila Drainage)	312	140	661	417
1998-99	July-Sept.	WILLOW CREEK (Gila Drainage)	503	181	1739	754
1998-99	Oct.-March	WILLOW CREEK (Gila Drainage)	576	197	2004	859
1998-99	April-June	GILITA CREEK	20	20	20	20
1998-99	July-Sept.	GILITA CREEK	145	103	145	205
1998-99	Oct.-March	GILITA CREEK	235	135	427	377
1998-99	April-June	SNOW LAKE	1867	367	4415	1980
1998-99	July-Sept.	SNOW LAKE	1769	343	6263	2062
1998-99	Oct.-March	SNOW LAKE	2171	400	6054	2376
1998-99	April-June	SAN FRANCISCO RIVER	339	142	584	374

1998-99	July-Sept.	SAN FRANCISCO RIVER	extract_total_days_statewide	411	152	1049	511
1998-99	Oct.-March	SAN FRANCISCO RIVER	553	187	863	554
1998-99	July-Sept.	MINERAL CREEK	17	17	51	50
1998-99	April-June	TULAROSA CREEK (nr Apache Creek)	78	78	234	234
1998-99	July-Sept.	TULAROSA CREEK (nr Apache Creek)	73	72	219	217
1998-99	Oct.-March	TULAROSA CREEK (nr Apache Creek)	28	27	28	27
1998-99	April-June	NEGRITO CREEK	333	157	771	500
1998-99	July-Sept.	NEGRITO CREEK	598	205	650	657
1998-99	Oct.-March	NEGRITO CREEK	670	223	1178	790
1998-99	April-June	WHITE WATER CREEK	98	81	332	312
1998-99	July-Sept.	WHITE WATER CREEK	109	77	198	156
1998-99	Oct.-March	WHITE WATER CREEK	156	111	221	256
1998-99	April-June	QUEMADO LAKE	6393	669	13379	6144
1998-99	July-Sept.	QUEMADO LAKE	8327	739	17349	8031
1998-99	Oct.-March	QUEMADO LAKE	5427	630	12552	5420
1998-99	April-June	GLENWOOD POND	136	85	371	205
1998-99	July-Sept.	GLENWOOD POND	270	129	1008	558
1998-99	Oct.-March	GLENWOOD POND	180	113	844	627
1998-99	Oct.-March	RANCHO GRANDE POND	78	78	780	782
1998-99	April-June	UNKNOWN/FICTITIOUS WATER	2049	366	7576	2211
1998-99	July-Sept.	UNKNOWN/FICTITIOUS WATER	7322	624	18611	5649
1998-99	Oct.-March	UNKNOWN/FICTITIOUS WATER	3514	487	12646	3425

Goodan, Susan M.

From: RHansen@state.nm.us
Sent: Wednesday, January 08, 2003 10:14 AM
To: SUSAN.M.GOODAN@saic.com
Subject: RE: URGWOPS

Sorry for the delay getting back to you.

Number of anglers = estimated number of anglers using that reach (a function of the proportion of sampled anglers that fished a particular water body/stream reach)
SE anglers = standard error term for estimated number of anglers
Angler days = estimated number of angler days on that reach (function of number of anglers and number of days each angler fished a particular reach)
SE angler days = standard error term for estimated angler days

These numbers may be totaled for an estimate of annual use. Pool standard errors of the estimate to derive the confidence interval for each estimate.

We actually have separate water number designations for the drains, but our off-site survey has so few responses for each particular drain that the confidence interval includes 0. It may be safe to assume that anglers using these drains may conceivably be included in estimates for the main stem of the Rio Grande.

We have data for two periods in 1999-00 (the second and third trimesters of the survey). We were unable to sample the first trimester of that license year. We are still entering data for 2000-01 and 2001-02. I don't expect analysis of those two license years to be complete until later this year.

As mentioned yesterday, I will look into concentrations of anglers along the main stem of the Rio Grande between Cochiti and Socorro (is that correct?).

Richard

-----Original Message-----
From: Goodan, Susan M.
[SMTP:SUSAN.M.GOODAN@saic.com]
Sent: Wednesday, December 04, 2002 12:21 PM
To: R Hansen (E-mail)
Subject: URGWOPS

Hi Richard
Been a while since we talked or shared info. Remember the angler data you
provided to me a while ago? I need some explanations of a few things. The
columns include number of anglers, SE anglers, angler days, and SE days.
What do these mean and how is each calculated.
Also, data is collected for three time periods each year. Should these be
totalled to get annual use for any given location?

Also, I assumed that the locations such as

Albuquerque, Tome, Belen drain
are all on the main stem.
The most recent data you provided previously was 1998/1999. Is there more
current data now?

Hope you can help answer these questions, otherwise, please forward this to
person who can. Thanks. Susan

Susan Goodan
Snr Environmental Planner, SAIC
<<Goodan, Susan M..vcf>> << File: Goodan, Susan M..vcf >>

Table B-3h. Future Hydraulic Property Projections

			Total Inundated Area (acres)						
			No Action		Discontinue Maintenance	Top Down		Bottom Up	
Cross Sections	Subreach Description	Flow Rate (cfs)	Conveyance	Drainage	Drainage	Conveyance	Drainage	Conveyance	Drainage
1207-1350	Upper Soccorro	10000	1400	1270	1220	1170	1220	1170	1190
1351-1475	Lower Soccorro	10000	1860	1630	1540	1530	1540	1450	1440
1479-1585	Upper Bosque	10000	2820	2650	2540	2360	2570	2400	2360
1589-1695	Lower Bosque	10000	2650	2630	2560	2500	2590	2080	2390
1701.3-1792	Ft. Craig	10000	1360	1280	2190	2530	2810	2640	2650
1207-1350	Upper Soccorro	5000	660	660	690	710	690	800	860
1351-1475	Lower Soccorro	5000	950	590	520	530	520	600	620
1479-1585	Upper Bosque	5000	2100	1710	1000	1050	1220	1190	1310
1589-1695	Lower Bosque	5000	2270	2090	1670	1730	1900	800	1270
1701.3-1792	Ft. Craig	5000	1000	940	1510	2600	2460	2020	2250
1207-1350	Upper Soccorro	3000	530	580	610	630	610	700	750
1351-1475	Lower Soccorro	3000	410	410	450	480	450	560	580
1479-1585	Upper Bosque	3000	1070	970	850	920	850	1060	1140
1589-1695	Lower Bosque	3000	1460	1270	160	170	150	190	210
1701.3-1792	Ft. Craig	3000	860	830	860	1620	1400	870	1410
1207-1350	Upper Soccorro	500	280	320	340	360	340	420	460
1351-1475	Lower Soccorro	500	170	190	210	220	210	260	280
1479-1585	Upper Bosque	500	230	250	260	260	260	320	350
1589-1695	Lower Bosque	500	100	110	120	130	110	150	170
1701.3-1792	Ft. Craig	500	170	130	450	190	190	260	290
1207-1350	Upper Soccorro	200	280	320	340	360	340	420	460
1351-1475	Lower Soccorro	200	160	180	200	210	200	260	270
1479-1585	Upper Bosque	200	140	180	200	220	210	290	330
1589-1695	Lower Bosque	200	100	100	110	120	110	150	170
1701.3-1792	Ft. Craig	200	130	110	290	170	180	240	270

Table B-4. Future Hydraulic Property Projections - Using Final Projected Bridge Capacity Flows

Subreach	Alternative	Final Bridge Capacity Flow Rate (cfs)	Top Width Channel (ft)	Hydraulic Depth Channel (ft)	Top Width OverBank (ft)	Hydraulic Depth OverBank (ft)	Width to Depth Ratio	Velocity Channel (cfs)	Overbank Area Inundated (acres)
Upper Socorro	NoAction Conveyance	1400	230	2.7	0	0.0	130	3.2	0
	NoAction Drainage	2400	330	3.0	0	0.0	170	3.5	0
	Discontinue Maintenance	2700	360	3.1	0	0.0	180	3.6	0
	TopDown Drainage	4000	370	3.9	10	0.1	150	4.1	20
	TopDown Conveyance	6000	420	4.6	30	0.2	140	4.6	60
	BottomUp Drainage	7200	540	4.4	20	0.1	190	4.5	30
	BottomUp Conveyance	9400	500	5.4	180	0.5	140	5.1	300
Lower Socorro	NoAction Conveyance	1400	280	2.1	0	0.0	180	3.2	0
	NoAction Drainage	2400	370	2.4	0	0.0	210	3.5	0
	Discontinue Maintenance	2700	420	2.4	0	0.0	240	3.5	0
	TopDown Drainage	4000	410	3.1	50	0.1	180	4.1	50
	TopDown Conveyance	6000	470	3.6	160	0.2	170	4.5	170
	BottomUp Drainage	7200	600	3.5	90	0.2	220	4.4	90
	BottomUp Conveyance	9400	580	4.0	760	0.7	180	4.8	790
Upper Bosque	NoAction Conveyance	1400	360	1.6	50	0.1	300	3.3	60
	NoAction Drainage	2400	540	1.8	40	0.1	410	3.3	50
	Discontinue Maintenance	2700	620	1.7	40	0.0	480	3.3	50
	TopDown Drainage	4000	630	2.1	200	0.2	380	3.7	270
	TopDown Conveyance	6000	680	2.6	210	0.4	340	4.3	310
	BottomUp Drainage	7200	1030	2.2	610	0.6	620	3.9	850
	BottomUp Conveyance	9400	920	2.8	940	0.8	430	4.4	1250
Lower Bosque	NoAction Conveyance	1400	90	3.6	0	0.0	30	4.4	10
	NoAction Drainage	2400	110	4.7	0	0.0	20	5.3	10
	Discontinue Maintenance	2700	120	4.7	0	0.0	30	5.4	0
	TopDown Drainage	4000	120	5.0	1180	1.1	20	5.7	1440
	TopDown Conveyance	6000	130	5.8	1450	1.4	20	6.4	1780
	BottomUp Drainage	7200	190	5.5	1370	1.2	30	6.3	1660
	BottomUp Conveyance	9400	170	7.0	1420	1.3	20	7.3	1720
Ft. Craig	NoAction Conveyance	1400	120	3.0	150	0.5	40	4.1	320
	NoAction Drainage	2400	120	4.0	260	1.0	30	4.7	330
	Discontinue Maintenance	2700	120	3.6	940	1.4	40	4.7	790
	TopDown Drainage	4000	180	3.1	2000	1.5	60	4.6	1950
	TopDown Conveyance	6000	210	3.6	2190	2.1	60	4.7	2580
	BottomUp Drainage	7200	300	4.2	2010	1.5	70	5.3	2440
	BottomUp Conveyance	9400	270	5.5	2100	1.9	50	5.3	2540

Attachment C

Vegetation, Waterfowl, and Wetlands Tables

With more detailed information

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2C Riparian plant community types along the Rio Grande from San Acacia to Elephant Butte Reservoir C-2

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4C Summary of waterfowl numbers estimated from fixed-wing aerial surveys during 1997-98 over Rio Grande from San Acacia diversion dam to Narrows of Elephant Butte Reservoir C-4

5C Summary of aerial survey for colonial nesting waterbirds along the Rio Grande from San Antonio to Elephant Butte Reservoir Dam C-9

6C Summary of bald eagle surveys – Rio Grande from San Acacia to Caballo Dam C-10

7C Proposed southwestern willow flycatcher habitat categories on the Rio Grande's Fort Craig Reach and vicinity based on recent avian surveys and vegetation classifications from Hink and Omart recently delineated by the Forest Service C-11

Table 1C.—Vegetation codes used in vegetation type classification and GIS mapping based on Hink and Ohmart (1984)

Vegetation Structure Types

Type 1 Tall or mature to mixed-age class trees (>40 ft) [>12.2 m] with well-developed understory vegetation. Substantial foliage in all height layers.

Type 2 Tall or mature trees (>40 ft) [>12.2 m] with little or no understory vegetation. Majority of foliage above 30 ft [9.1].

Type 3 Intermediate-sized trees (20-40 ft) [6.1-12.2 m] with dense understory vegetation. Majority of foliage between 0 and 30 ft [9.1m]

Type 4 Intermediate-sized (20-40 ft) [6.1-12.2 m] trees, openly spaced, with little understory. Majority of foliage between 15 and 30 ft [4.6-9.1 m].

Type 5 Younger stands with dense shrubby growth. Majority of foliage between 0 and 15ft [4.6m].

Type 6 Very young, low, and/or sparse stands. Majority of foliage between 0 and 5 ft [1.5 m].

Abbreviations for plant species

C = Cottonwood (*Populus deltoides* subsp. *wislizenii*)
W = Willow (species undetermined) **TW** = Tree willow (*Salix Gooddingii*)
CW = Coyote willow (*Salix exigua*)
RO = Russian olive (*Elaeagnus angustifolia*)
SC = Salt cedar (*Tamarix* sp.)
OSC = Overstory salt cedar
ISC = Intermediate salt cedar
USC = Understory salt cedar
DSC = Dead salt cedar
CAT = Cattail (*Typha* sp.)
Mes = Mesquite
Op = Opening

Plant community types are classified according to the dominate and/or codominate species in the canopy and shrub layers. A species is considered dominate in a layer if it is at least 50 % of the vegetation in a layer. Species are listed in order of importance in each layer separated by dash (-); species in different layers are separated by slashes (/), e.g., **C-tw/sc5**

Hink, V. C., and R. D. Ohmart. 1984. Middle Rio Grande biological survey. Army Corps of Engineers Contract No. DACW47-81-C-0015. Albuquerque, NM

Table 2C.—Riparian plant community types along the Rio Grande from San Acacia to Elephant Butte Reservoir. (12/99).

Major Plant Community Types	Sub-type	Forest Service Mapping (Hink and Ohmart, 1984) Classifications
Mature cottonwood forest (Bosque) *Structure types I and II*	Riparian forest with dense willow understory (*)	C/W-SC1
	Riparian forest with dense saltcedar and/or Russian olive understory	C-W/SC1, C/SC1, C/SC-RO1, C/SC-CW1, C/SC-CW-RO1, C-W/SC-RO1
	Riparian woodland with sparse understory (r)	C2
Mature willow forest *Structure type I*	Riparian willow forest with dense saltcedar understory (*)	W/SC1, W-C/SC1
Mid-aged cottonwood-willow or saltcedar-Russian olive stands *Structure types III and IV*	Mostly dense willow and cottonwood s (*)	W3, C-W3, C/W-SC3, W/C-SC3,
	Mixed dense native and exotic riparian stands	C/SC3, W/SC3,C-W/SC3, W-C/SC3, C/SC-W3, C/SC-RO3, C-W/SC-RO3, C/RO-SC3, C-W/SC3, C-W/SC-RO3, SC-RO3, SC-W3
	Open riparian stands (r)	C/SC4, C-W/SC4, W4, SC4
Monotypic saltcedar stands	Overstory saltcedar	OSC
	Intermediate saltcedar	ISC
	Understory saltcedar	USC, DSC/USC, SC5
Young successional stage stands *Structure types V and VI*	Young mostly dense cottonwood and/or willow (*)	C5, C/W5, W/C5, W5, W-C5, C/W-SC5, C-SC5, W-SC5, C-RO5, C-RO/SC5, C-RO-SC5, W/C-SC5, C-SC-W5, C-W-SC5, W-C-SC5, W-C/SC5, C-W/SC5
	Young mixed dense cottonwood, willow, saltcedar and/or Russian olive	C/SC5, C/RO5, C-SC-RO5, C/SC-RO5, C/RO-SC5, W/SC5, C/SC-W5, C-RO/SC5
	Young mostly dense saltcedar and/or Russian olive	SC/C5, SC/W5, SC-W5, RO5, SC-RO5, RO-SC5, SC-C-W5, SC/W-C5, RO-SC-C5,
	Sparse young growth, river bars or openings (r)	C-W6, W6, W-C6, W/SC6, W-SC6, C/SC6, C/SC-RO6, C-SC-RO6, C-RO-SC6, SC6, C-SC6, SC-RO6, SC-W6, SC-W-C6, W-SC-C6, RO6, SC-RO-C6, RO-SC-C6, C-SC-W6, SC-RO-W6, DSC, DC1, OP, OP6, OP-SC5,OP-SC6,
Wetlands and Waters	Emergent marsh (*)	CAT6, CAT-H20
	Open water	RIVER, DSC/OVERFLOW, PONDED WATER, ROAD/CANAL
	Dead flooded saltcedar	DSC-CAT6, CAT-DSC6
	Wet meadow (*)	MDW-CAT6, W/MDW6, DSC/MDW

(*) - special habitat feature (r) - area with natural regeneration potential

Table 3C. Groundwater depths of various plant communities (Brummer, 1998)
Appendix - Dominant plants of the wet meadow in the Quates Canyon Wetland

Scientific Name	Common Name
Polypogon interruptus	Ditch polypogon
Paspalum Spp.	Knotgrass or Dallis grass
Juncus Torreyi	Torrey's rush
Juncus nodosus	Jointed rush
Plantago major	Common plantain
Veronica anagallis-aquatica	Water speedwell
Phyla lanceolata	Northern frog-fruit

Waterfowl

Table 4C.—Summary of waterfowl (ducks, geese, coots, & grebes) numbers estimated from fixed-wing aerial surveys during 1997-98 over Rio Grande from San Acacia Diversion Dam to Narrows of Elephant Butte Reservoir

River Reach	1/23/97	2/27/97	3/27/97	4/17/97	11/4/97	1/27/98
Socorro	780					
River channel	-	340	80	25	15	240
Backwaters	-	0	10	15	80	0
Low flow conveyance channel	-	35	15	5	2	15
Bosque del Apache	1,200					
River channel	-	65	25	15	30	240
Backwaters	-	0		5	25	3000+
Low flow conveyance channel	-	235	20	35	0	10
San Marcial						
River channel		35	5		3	25
Backwaters		175		5	30	40
Low flow conveyance		70	10	20	10	105
channel	4	120	115	10	105	75
West side wetlands						
Elephant Butte Reservoir (North of Dryland Road)						
West side		50	210	160	315	0
Delta/pilot channel area	250	100	10	30	25	4300+
East side	5		25	10	85	50
Elephant Butte Reservoir (Dryland Road to Nogal Canyon)	365	1000	40	20	95	25
West side	55		60	35	1	50
Open water		100	10		20	0
East side						
Elephant Butte Reservoir (Nogal Canyon to	295					
Narrows)		315	30	10	315	30
West side			50	15	500	4000+
Open water		655	10	5	35	260
East side						

Waterfowl Species Composition Counts

The following summarizes results of ground species composition counts conducted in conjunction with fixed-wing surveys. Numbers indicate proportion of individuals of waterfowl species observed within indicated reach.

Rio Grande - San Acacia to San Antonio

	2/27/97	3/2797	11/4/97	1/27/98
Western grebe			0.34	
Common merganser				0.80
American coot	0.70			
Mallard	0.22	x		0.20
Gadwall	0.30	x		
Green-winged teal	0.01	x		
Cinnamon teal				
American widgeon		x		
Northern pintail		x		
Lesser scaup		x		
Bufflehead			0.66	
Other (unidentified)	0.04			

Low Flow Conveyance Channel - San Acacia to San Antonio

	2/27/97	3/27/97	11/4/97	1/27/98
Mallard	0.90	0.70		1.0
Gadwall		0.30		
Green-winged teal	0.10			

Rio Grande - Bosque del Apache

	2/27/97 main river channel	2/27/97 Low flow channel	1/27/98 eastside oxbow wetlands
Hooded merganser			0.01
Mallard	0.79	0.95	0.96
Gadwall	0.13	0.05	
Green-winged teal			0.01
Blue-winged teal			0.01
Northern pintail			0.01
Northern shoveler	0.08		

Low Flow Conveyance Channel - San Marcial Reach

	3/2797	11/4/97	1/27/98
Pied-billed grebe			0.02
American coot	0.56	0.80	0.10
Mallard	0.13	0.15	0.53
Gadwall	0.31		0.17
Green-winged teal			0.12
Cinnamon teal			0.06
Ruddy duck		0.05	

Groundwater wetlands west of LFCC - San Marcial Reach

	3/2797	11/4/97	1/27/98
American coot	0.58	0.35	0.28
Canada goose			0.02
Mallard	0.06	0.06	0.36
Gadwall	0.10	0.53	0.16
Green-winged teal	0.07	0.04	0.16
American widgeon	0.07		
Northern shoveler	0.03		
Ruddy duck	0.03		0.01
Bufflehead	0.06		0.01

Westside wetlands north of Dryland Road- Elephant Butte Reservoir headwaters

	2/27/97	3/2797	1/27/98 outflow from LFC Channel	1/27/98 outflow from pilot channel
American coot	0.38		0.02	
Canada goose		0.01		0.07
Mallard	0.15	0.02	0.34	0.50
Gadwall	0.10	0.12	0.30	0.02
Green-winged teal		0.41	0.09	0.01
Cinnamon teal	0.15	0.07		
Northern pintail		0.14	0.25	0.40
American widgeon		0.01		
Northern shoveler	0.06	0.22		
Bufflehead	0.05			
Other (unidentified)	0.20			

Elephant Butte Reservoir shallow water near western shoreline- Dryland Road to Narrows

	2/27/97	11/4/97	1/28/98
Western grebe		0.52	
American coot	x	0.05	0.86
Gadwall	x	0.43	0.04
Green-winged teal	x		0.10
Northern shoveler	x		
Northern pintail	x		
Lesser scaup	x		
Bufflehead	x		
Common goldeneye	x		

Elephant Butte Reservoir open water- Dryland Road to Narrows

	3/27/97	11/4/97	1/27/98
Western grebe	0.83	0.96	0.50
Common merganser			0.49
Red-breasted merganser			0.01
Unidentified ducks	0.17	0.04	

Table 5C.—Summary of aerial survey for colonial nesting waterbirds along the Rio Grande from San Antonio to Elephant Butte Reservoir Dam

Location	Coordinates	Species	Number active nests	Number inactive nests	Remarks
Bosque del Apache NWR, oxbow wetlands on east side of Rio Grande floodplain	33,48.96 N 106,50.65 W *(WP-00)*	Snowy egret	0	25-30	Several dead flooded saltcedar
San Marcial Reach of the Rio Grande, wetlands W of the Low Flow Channel ("Rookery Wetlands")	33,35.79 N 107,02.94 W *(WP-16)*	Neotropical cormorant Great blue heron	2 2	4	Dead flooded saltcedar
W side, head of Elephant Butte Reservoir, N of Dryland Rd. ("Outflow Wetlands")	33,33.88 N 107,05.17 W *(WP-15)*	Great blue heron	0	1	Large isolated cottonwood snag
Mid-delta area, head of Elephant Butte Reservoir	33,33.63 N 107,04.64 W *(WP-13)*	Great blue heron Double-crested cormorant Snowy egret	25+ 10 1		3 large cottonwood snags
Mid-delta area, head of Elephant Butte Reservoir	33,33.40 N 107,04.67 W *(WP-14)*	Blk.-crowned night heron Snowy egret Neotropical cormorant	50 50 30		Several dead, flooded salt cedar
E side, head of Elephant Butte Reservoir	33,31.87 N 107,05.26 W *(WP-01)*	Double-crested cormorant	2		Dead, flooded, small riparian tree (salt cedar, willow, or cottonwood)
E side, head of Elephant Butte Reservoir	33,32.87 N 107,03.92 W *(WP-02)*	Double-crested cormorant and/or neotropical cormorant	2		Dead, flooded cottonwood
W side, Elephant Butte Reservoir, just S of Dryland Road	Between [33,32.73 N 107,06.35 W] - [32,32.86 N 107,06.17 W] *(WPs11-12)*	Double-crested cormorant (possible few neotropical cormorants)	50+	50+	Many dead, flooded, small riparian trees (salt cedar, willow, or cottonwood)
W side, Elephant Butte Reservoir, S of Nogal Canyon	[33,28.5 N 107,09.18 W] - [33,29.03 N 107,08.36 W] *(WPs8-10)*	Double-crested cormorant (possible few neotropical cormorants)	40+	40 +	Many dead, flooded, small riparian trees (salt cedar, willow, or cottonwood). Number of nests per tree included 3, 8, 4, 3, 1, 4, & 2, respectively
W side, Elephant Butte Reservoir, S of Nogal Canyon	33,26.44 N 107,28,04 W *(WP-07)*	Double-crested cormorant	5		Dead, flooded, small riparian tree (salt cedar, willow, or cottonwood)

Table 6c.—Summary of Bald Eagle Surveys - Rio Grande from San Acacia to Caballo Dam

River Reach	1/23/97	2/27/97	3/27/97	11/4/97	1/27/98	1/27/99	2/11/99
Socorro	0	0	0	0	0	NS	NS
Bosque del Apache (active floodplain)	3 (3/0)	0	0	0	0	3(2/1)	0
Bosque del Apache(backwaters east side)	0	2 (0/2)	0	0	2 (1/1)	0	0
San Marcial (active floodplain)	2 (2/0)	0	0	0	0	0	0
San Marcial (west side groundwater wetlands)	1 (1/0)	0	0	0	1 (1/0)	0	0
Elephant Butte Reservoir (east side) North of Dryland Road	0	2 (2/0)	0	0	4 (2/2)	6(3/3)	3(3/0)
Elephant Butte Reservoir (west side) wetlands north of Dryland Road	1 (0/1)	8 (6/2)	0	1 (1/0)	5 (3/2)	3(2/1)	1(1/0)
Elephant Butte Reservoir (east side) Dryland Road to Nogal Canyon	9 (6/3)	14 (8/6)	0	0	4 (2/2)	8(5/0) *3(3/0)**	0
Elephant Butte Reservoir (west side) Dryland Road to Nogal Canyon	12 (8/4) *45 (30/15)**	9 (4/5) *16 (17/9)**	6 (3/3)	1 (0/1)	17 (9/8)	18(11/7) *28(16/12)**	3(2/1)
Elephant Butte Reservoir (east side) Nogal Canyon to Narrows	6 (1/5)	1 (0/1)	0	0	0	2(1/1) *12(6/6)**	1(0/1)
Elephant Butte Reservoir (west side) Nogal Canyon to Narrows	5 (3/2)	6 (6/0)	0	2 (1/1)	9 (6/3)	3(2/1)	9(5/4)
SUBTOTAL	**32 (24/15)**	**42 (26/16)**	**6 (3/3)**	**4 (2/2)**	**42 (24/18)**	**43 (26/17)**	**17(10/7)**
Elephant Butte Reservoir (east side) Narrows to Dam	NS	NS	NS	NS	NS	5(3/2) *3(3/0)**	5(4/1)
Elephant Butte Reservoir (west side) Narrows to Dam	NS	NS	NS	NS	NS	9(8/1)	6(6/0)
ELEPHANT BUTTE RESERVOIR TOTAL	-	-	-	-	-	**54(35/19)**	**28(20/8)**
Rio Grande EB Dam to Caballo Delta	NS	NS	NS	NS	NS	1(1/0) *1(1/0)**	0
Caballo Reservoir (east side	NS	NS	NS	NS	NS	5(3/2) *6(3/3)**	4(3/1)
Caballo Reservoir (west side)	NS	NS	NS	NS	NS	5(1/4) 2(2/0)*	0
CABALLO RESERVOIR TOTAL	-	-	-	-	-	**10(4/6)**	**4(3/1)**
GRAND TOTAL						**68(42/26)**	**32(23/9)**

* *observed during evening roost surveys* *(# adults/#immatures - w/o white heads)*

Table 7C.—Proposed southwestern willow flycatcher (WIFL) habitat categories on the Rio Grande's Fort Craig Reach and vicinity based on recent avian surveys and vegetation classifications from Hink and Ohmart (1984) recently delineated by the Forest Service

WIFL HABITAT CATEGORY	PLANT COMMUNITY TYPES	FOREST SERVICE MAPPING (HINK and OHMART, 1984) CLASSIFICATIONS
Highly Suitable Native Riparian (≤100m surface water)	Monotypic willow	W3, W5
	Native broadleaf dominated	C/W-SC1, C-W3, **C-W/SC3**, C/W5, W/C5, W-C5, C5, **C/W-SC5**, **W-SC5**, **W/C-SC5**, C-SC-W5, C-W-SC5, **W-C-SC5**, C-W/SC5, **W/SC5**
Suitable Mixed Native/exotic Riparian (≤100m surface water)	Mature mixed native broadleaf, saltcedar and	C/SC1, W/SC1, C/SC-RO1, C-W/SC1, C/SC-CW1, W-C/SC1, C/SC-CW-RO1
	Mid-aged mixed native broadleaf, saltcedar and Russian olive	W-C/SC3, C/SC-W3, C-W/SC-RO3, C/W-SC3, W/C-SC3, C-W/SC-RO1, C/SC3, C/RO-SC3, C/SC-RO3,
	Young growth mixed native broadleaf, saltcedar and Russian olive	SC/W5, SC-W5, SC-C-W5, SC/W-C5, SC/C5, C-SC5, C/SC5, C-SC-RO5, C/SC-RO5, C/RO-SC5, C-RO/SC5, C-RO-SC5, RO-SC-C5
Suitable Saltcedar Riparian	Monotypic saltcedar	OSC, ISC, SC5
(≤100m surface water)	Mixed saltcedar/Russian olive	SC-RO3, SC-RO5, RO-SC5,
Potential with Future Riparian Vegetation Growth (≤100m surface water)	Sparse young growth riparian shrubs	C-W6, W6, W-C6, W-SC6, C/SC6, C/SC-RO6, C-SC-RO6, C-RO-SC6, SC6, C-SC6, SC-RO6, SC-W6, SC-W-C6, W-SC-C6, RO6, SC-RO-C6, OP-SC5, OP-SC6, W/MDW6
	River bars, openings, dead saltcedar	DSC, DC1, OP, OP6
	Open stands of mature or mid-aged riparian vegetation	C2, C/SC 4, C-W/SC 4,
Potential with River Realignment and Sediment Deposition	Westside wetlands and openings	DSC-CAT6, CAT-DSC6, MDW-CAT6
Low Suitability	All others	HABITAT ≥100 m H2O: C/RO5, RO5, C-RO5, DSC/USC, CAT6, CAT-DSC6, CAT-H20, H2O, RIVER, DSC/OVERFLOW, PONDED WATER, ROAD/CANAL

Highly Suitable: include portions of polygons that indicate suitable plant composition and structure and are within 100 meters of the river channel, high and flow channels, wetlands, ponds, and in the zone of peak flow inundation, or are subject to other types of flooding (beaver dams, Texas Crossings, etc.)

Occupied: bold face indicates specific vegetation types in which WIFL territories have been documented

Potential with future growth: include portions of polygons that indicate plant composition is suitable but structure needs additional development or other opening that would facilitate recruitment of natives and are within 100 meters of surface water as described above.

Potential with river realignment and sediment deposition: This category include wetlands that would likely fill with sediment if the Rio Grande occupies the historic floodplain on the westside of the Fort Craig reach. These areas will need corresponding suitable hydrological conditions.

Attachment D

Draft Memorandum of Agreement with State Historic Preservation Officer

DRAFT

MEMORANDUM OF AGREEMENT BETWEEN THE BUREAU OF RECLAMATION, ALBUQUERQUE AREA OFFICE AND THE NEW MEXICO STATE HISTORIC PRESERVATION OFFICER REGARDING THE IMPLEMENTATION OF THE RIO GRANDE AND LOW FLOW CONVEYANCE CHANNEL MODIFICATIONS

WHEREAS, the Bureau of Reclamation, Albuquerque Area Office (Reclamation), proposes to modify the Rio Grande and Low Flow Conveyance Channel (LFC Channel); and

WHEREAS, the LFC Channel and its proposed modifications that are the subject of this Memorandum of Agreement (MOA) are described in the alternatives presented in "*Rio Grande and Low Flow Conveyance Channel Modifications Draft Environmental Impact Statement*" by Reclamation (2000). The LFC Channel is located parallel to the Rio Grande in Socorro County, New Mexico. It was designed to convey water from San Acacia Diversion Dam to Elephant Butte Reservoir with minimum losses to evaporation and ground infiltration. It was built between 1951 and 1959. The proposed channel system modifications will allow the channel, which has not been in active use since 1985, to fulfill these functions, as well as to promote restoration of the riverine corridor.

WHEREAS, Reclamation and the New Mexico State Historic Preservation Officer (SHPO) have determined that the LFC Channel is an historic property that is eligible for the National Register of Historic Places under criterion "a" of 36 CFR 60.4 for its historical importance to water management of the Rio Grande in New Mexico and Texas; and

WHEREAS, Reclamation has established that in addition to effects on the LFC Channel itself, the area of potential effects of the proposed LFC Channel modifications include all LFC Channel modifications construction zones, access roads, staging areas, and sites for borrow acquisition or waste disposal; and

WHEREAS, Reclamation and the SHPO have determined that the LFC Channel modifications will have an adverse effect upon the LFC Channel and possibly on other historic properties located within the area of potential effects; and

WHEREAS, Reclamation has consulted with the SHPO in accordance with Section 106 of the National Historic Preservation Act (16 USC 470) and its implementing regulations (36 CFR 800) to resolve the adverse effect of the proposed LFC Channel modifications on historic properties;

NOW, THEREFORE, Reclamation and the SHPO agree that upon Reclamation's decision to proceed with the LFC Channel modifications, Reclamation shall ensure that the following stipulations are implemented to satisfy Reclamation's Section 106 responsibilities with respect to the LFC Channel modifications.

Stipulations

Prior to the alteration of the LFC Channel, Reclamation will ensure that the following measures are carried out:

1. Inventory: Reclamation shall ensure that areas subject to potential effect from the LFC Channel modifications are inventoried for historic properties. The inventory shall be carried out under the direct supervision of a person or persons meeting the *Secretary of the Interior's Professional Qualifications Standards.* Reclamation shall ensure that the inventory and documentation is consistent with the *Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation* and pertinent SHPO standards and guidelines.

2. Evaluation of Eligibility and Effect: Reclamation will evaluate historic properties identified during the inventory in accordance with 36 CFR Part 800.4(c). If the inventory results in the identification of properties that are eligible for the National Register, Reclamation shall comply with 36 CFR 800.5 and assess adverse effects.

3. Resolution of Adverse Effects. If Reclamation finds that the LFC Channel modifications will result in adverse effects to historic properties, then Reclamation shall comply with 36 CFR 800.6 and consult with the SHPO to resolve the effects.

4. Documentation of the LFC Channel: Since Reclamation and the SHPO have already determined that the proposed modifications will have an adverse effect upon the LFC Channel, Reclamation shall ensure that the following recordation measures of the LFC Channel are carried out prior to alteration:

    a. A written historical narrative of the LFC Channel shall be produced. The narrative shall be prepared by personnel qualified under the guidelines of Section V of the Manual for Editing HABS/HAER Documentation.

    b. Reclamation shall also provide a drawing set on archivally stable Mylar to accompany the historical narrative. The drawing set will use existing engineering documentation of the LFC Channel. This drawing set shall include the following:

1. A vicinity map;

2. Site location map;

3. A key map for the drawing set;

4. Photographs along the LFC Channel showing existing conditions and the location of the proposed modifications;

5. A key plan for these photographs;

6. Aerial photographs which show the Rio Grande, the existing LFC Channel, and the LFC Channel modifications;

7. Current and future LFC Channel profiles (both longitudinal and cross section);

8. Selected construction details that focus on generic elements of LFC Channel structures;

9. Selected field data that elucidate or otherwise complement the written narrative.

5. Draft Report to SHPO: Reclamation will ensure that the documents provided for in this MOA are completed and accepted by SHPO prior to the alteration of the LFC Channel. It is anticipated that Reclamation shall submit the initial draft LFC Channel documents to the SHPO in early January 2001. The SHPO will submit comments to Reclamation within 30 working days of receipt of the draft. Reclamation shall ensure that SHPO or any public comments on this draft shall be incorporated into the final documentation package which is expected to be finalized with 60 days of receipt of SHPO or public comments.

6. Final Report Dissemination: Precise site locational information may be included in a separate, detachable appendix to the report if it appears that provision of this information to the public in the final report could jeopardize the integrity or traditional use of historic properties. Upon acceptance by SHPO, Reclamation shall provide one (1) copy of the final LFC Channel documentation package, including the Mylar drawing set, to the New Mexico State Library and Archive in Santa Fe. Reclamation shall also produce copies of the documentation package that shall include reduced paper reproductions of the drawing set. These reports will be distributed as follows: one (1) copy each shall be provided to the community libraries of Socorro and Truth or Consequences; two (2) copies shall be provided to the SHPO, one of which shall

be provided to the Laboratory of Anthropology, Museum of New Mexico to be incorporated into its Archaeological Records Files in Santa Fe; two (2) copies shall be provided to the Middle Rio Grande Conservancy District; and one (1) copy shall be kept on file by Reclamation at the Albuquerque Area Office.

7. Discovery:

   a. Before ground disturbing construction work takes place, a meeting (or meetings) will be arranged to inform construction crews of the potential for disturbing subsurface cultural resources and of procedures involved in the event that this occurs, especially with regard to exhuming human remains.

   b. A qualified archaeologist will be on-call during construction activities. In the event that subsurface cultural resources are uncovered during construction, work will cease immediately, and the archaeologist will be summoned to the site to evaluate the nature and extent of the resource. The archaeologist will make sure that immediate measures are taken to protect the resource; within 24 hours, the archaeologist will notify SHPO of the discovery, and initiate consultations as to its National Register eligibility. These consultations will also result in a determination of the appropriate measures needed to document, avoid or mitigate the existing and any additional unavoidable adverse effects to the resource. Avoidance measures may include temporary fencing, barricades, or realignment/relocation of construction. Mitigation and data recovery may include artifact collection, chronometric sampling, profiling and mapping, photographic documentation, historic document research, or archaeological excavation. Avoidance (to the extent possible) of additional disturbance is the preferred action.

   c. In the event that human remains are uncovered, they will be protected from further disturbance, and a forensic specialist and archaeologist will be called out immediately to determine the antiquity and cultural affiliation of the remains. SHPO will be notified within 24 hours of the discovery. Reclamation and SHPO, in consultation with the project specialists, will determine steps to be taken to document, protect or remove the remains, in compliance with the Native American Graves Protection and Repatriation Act, if applicable.

   d. Work at the site will resume with Reclamation's permission after the completion of documentation or actions taken to avoid the cultural materials.

8. Monitoring:

   a. Reclamation's River Maintenance Group will provide Reclamation's archaeologist with the following monitoring information annually, if possible, or as such information is collected:

      1. Aerial photographs of the area of potential effect as defined in the LFC Channel EIS;

      2. Surveyed river cross-sections showing the present riverbed elevations in relation to the elevations from 1915 (the original elevations) in the vicinity of the villages of Contadero (LA 117620), Cantarecio (LA 117621), San Albino (LA 117622), and San Jose (LA 117623).

      3. Surveyed river cross-sections showing the present riverbed elevations in relation to the elevations in the vicinity of the following cultural resource sites: Valverde (LA 4442), San Pascual (LA 487), Qualacu (LA 757), segments of the Camino Real between Valverde and Qualacu (LA 80057), LA 54008, LA 54009, LA 54012, LA 54013, and LA 54014.

   b. If the monitoring information indicates that adverse effects to the above monitored sites are likely to occur, Reclamation will consult with the SHPO in accordance with 36 CFR 800.5-800.6 in lieu of the procedures provided for under this MOA.

9. Review: The SHPO may review activities carried out pursuant to the MOA, and the Council will review such activities if so requested. Reclamation will cooperate with SHPO in carrying out their review responsibilities.

10. Objections: Should the SHPO object in writing to Reclamation within 30 days to any actions proposed pursuant to this agreement, Reclamation shall consult with the SHPO to resolve the objection. If after initiating such consultation, Reclamation determines that the objection cannot be resolved through consultation, Reclamation shall forward all documentation relevant to the objection to the Council, including Reclamation's proposed response to the objection. Any Council comment provided in response to such a request will be taken into account by Reclamation in accordance with 36 CFR part 800.6(c)(2) with reference only to the subject of dispute; Reclamation's responsibility to carry out all actions under this agreement that are not the subjects of the dispute will remain unchanged.

11. Completion of Agreement: In the event Reclamation does not carry out the terms of the MOA, Reclamation will comply with 36 CFR part 800.4 through 800.6 with regard to individual undertakings covered by this MOA.

12. Amendment: Any party to this MOA may request that it be amended, whereupon the parties will consult in accordance with 36 CFR Part 800.13 to consider such amendment.

13. Termination: If Reclamation determines that it cannot implement the terms of this MOA, or if the SHPO or Council determines that the MOA is not being properly implemented, any party to this MOA may propose that it be terminated by providing thirty (30) days notice to the other parties, provided that the parties will consult during the period prior to termination to seek agreement of amendments or other actions that would avoid termination. In the event of termination, Reclamation will comply with 36 CFR Part 800.4 through 800.6 with regard to individual undertakings covered by this MOA.

Execution and implementation of this MOA evidences Reclamation's compliance with Section 106 of NHPA for the LFC Channel modifications.

BUREAU OF RECLAMATION, ALBUQUERQUE AREA OFFICE

By:_____ Date:_____
Michael Gabaldon
Area Manager

NEW MEXICO STATE HISTORIC PRESERVATION OFFICER

By: _____ Date: _____
Elmo Baca
New Mexico State Historic Preservation Officer