

United States Bureau of Reclamation
 Friant Operations Spreadsheet (Except)
 July - August, 2015

Millerton Lake Operations											Friant Dam Operations								
	NR (CFS)	SCE (AF)	(+/-)	PG&E (AF)	(+/-)	Inflow (CFS)	Friant Dam Release into SJR (CFS)	MC (CFS)	FKC (CFS)	Evap (CFS)	Storage Change (AF)	Millerton Lake Storage (AF)	Friant Dam Release into the SJR (CFS)	Gravelly Ford (CFS)	Losses (CFS) (MIL - GRF)	% Loss (MIL - GRF)	Whitehouse/Bifurcation Structure (CFS)	Losses (CFS) (GRF - WH)	% Loss (GRF - WH)
7/1/15	689	303,784	(819)	23,398	(8)	1,138	255	109	229	31	1,020	179,858	255	15	240	94%	0	15	100%
7/2/15	573	303,530	(254)	23,381	(17)	808	256	164	200	29	315	180,174	256	10	246	96%	0	10	100%
7/3/15	597	302,796	(734)	23,373	(8)	899	256	164	154	33	579	180,753	256	10	246	96%	0	10	100%
7/4/15	572	302,213	(583)	23,347	(26)	984	256	165	138	40	764	181,516	256	10	246	96%	0	10	100%
7/5/15	493	302,025	(188)	23,322	(25)	528	256	165	154	33	(159)	181,358	256	7	249	97%	0	7	100%
7/6/15	342	300,852	(1,173)	23,305	(17)	708	256	82	220	31	236	181,595	256	6	250	98%	0	6	100%
7/7/15	385	299,607	(1,245)	23,279	(26)	1,220	256	-	252	32	1,349	182,944	256	5	251	98%	0	5	100%
7/8/15	318	298,429	(1,178)	23,254	(25)	905	256	-	231	30	770	183,714	256	6	250	98%	0	6	100%
7/9/15	500	298,356	(73)	23,229	(25)	583	256	-	167	26	266	183,980	254	4	250	98%	0	4	100%
7/10/15	732	298,841	485	23,212	(17)	561	254	-	141	19	292	184,272	252	4	248	98%	0	4	100%
7/11/15	285	298,306	(535)	23,157	(55)	524	252	-	142	23	212	184,484	252	4	248	98%	0	4	100%
7/12/15	421	297,841	(465)	23,178	21	704	252	-	142	28	559	185,044	252	4	248	98%	0	4	100%
7/13/15	(84)	295,799	(2,042)	23,162	(16)	905	252	84	176	28	724	185,767	252	4	248	98%	0	4	100%
7/14/15	678	295,785	(14)	23,128	(34)	705	723	168	201	31	(829)	184,937	723	4	719	99%	0	4	100%
7/15/15	393	294,396	(1,389)	23,103	(25)	1,100	1,590	167	199	28	(1,753)	183,183	1,590	2	1,588	100%	0	2	100%
7/16/15	17	292,329	(2,067)	23,078	(25)	1,038	2,003	165	196	32	(2,694)	180,490	2,003	168	1,835	92%	0	168	100%
7/17/15	255	288,941	(3,388)	23,062	(16)	1,835	1,999	82	160	32	(869)	179,622	1,999	468	1,531	77%	0	468	100%
7/18/15	259	285,472	(3,469)	23,037	(25)	2,021	1,662	-	137	36	369	179,990	1,662	948	714	43%	0	948	100%
7/19/15	1,098	283,005	(2,467)	23,020	(17)	1,846	1,437	-	137	20	500	180,490	1,437	1,336	101	7%	1	1,335	100%
7/20/15	231	281,166	(1,839)	23,178	158	1,633	1,310	-	138	26	315	180,806	1,310	1,321	(11)	-1%	427	894	68%
7/21/15	(341)	277,230	(3,936)	23,162	(16)	1,709	1,709	330	138	29	315	181,121	1,253	1,140	113	9%	641	499	44%
7/22/15	968	276,015	(1,215)	23,145	(17)	1,464	1,253	183	175	39	(369)	180,753	1,253	1,002	251	20%	650	352	35%
7/23/15	81	272,456	(3,559)	23,111	(34)	1,985	1,253	183	201	30	631	181,384	1,253	919	334	27%	606	313	34%
7/24/15	423	269,782	(2,674)	23,103	(8)	1,738	1,254	184	175	32	184	181,568	1,254	892	362	29%	598	294	33%
7/25/15	367	268,693	(1,089)	23,070	(33)	999	1,253	54	138	31	(946)	180,621	1,253	887	366	29%	607	280	32%
7/26/15	255	267,726	(967)	23,045	(25)	817	1,252	-	137	38	(1,210)	179,412	1,252	894	358	29%	622	272	30%
7/27/15	54	266,206	(1,520)	23,028	(17)	785	1,250	-	202	30	(1,382)	178,029	1,250	902	348	28%	634	268	30%
7/28/15	(56)	263,148	(3,058)	23,003	(25)	1,396	1,249	-	274	31	(313)	177,716	1,249	903	346	28%	646	257	28%
7/29/15	388	260,303	(2,845)	22,987	(16)	1,884	1,249	-	274	32	653	178,368	1,249	905	344	28%	655	250	28%
7/30/15	192	257,902	(2,401)	22,961	(26)	1,420	1,249	-	243	20	(182)	178,186	1,249	912	337	27%	665	247	27%
7/31/15	(287)	254,553	(3,349)	22,945	(16)	1,749	1,249	-	200	37	522	178,707	1,249	907	342	27%	675	232	26%
Total (AF)	21,418	254,553	(50,050)	22,945	(461)	72,578	55,143	4,461	11,248	1,859	(133)	178,707	55,143	28,963	26,180	31%	14,731	14,232	35%

Source: US Bureau of Reclamation;
 Friant Water Authority

USBR - FRIANT OPERATIONS SPREADSHEET (EXCERPT)

July - August 2015

Millerton Lake Operations										Friant Dam Operations							
NR (CFS)	SCE (AF)	(+/-)	PG&E (AF)	(+/-)	Inflow (CFS)	Friant Dam Release into SIR (CFS)	MC (CFS)	FKC (CFS)	Evap (CFS)	Storage Change (AF)	Millerton Lake Storage (AF)	Friant Dam Release into the SIR (CFS)	Gravelly Ford (CFS)	Losses (Mill - GRF)	Whitehouse/Bifurcation Structure (CFS)	Losses (GRF - WH)	% Loss (GRF - WH)
7/31/15	287	254,553	(3,349)	(16)	1,749	1,249	-	200	37	522	178,707	1,249	907	342	675	232	26%
8/1/15	389	251,581	(2,972)	(25)	1,891	1,250	-	201	32	809	179,516	1,250	916	334	677	239	26%
8/2/15	626	250,038	(1,543)	(25)	1,211	1,250	121	201	34	(783)	178,733	1,250	938	312	704	234	25%
8/3/15	(336)	247,501	(2,537)	(9)	953	1,249	181	243	30	(1,488)	177,246	1,249	942	307	725	217	23%
8/4/15	303	245,813	(1,688)	(57)	1,096	1,247	180	259	24	(1,218)	176,028	1,247	945	292	734	211	22%
8/5/15	43	243,736	(2,077)	(9)	1,185	1,245	97	178	17	(698)	175,330	1,245	953	292	747	206	22%
8/6/15	245	241,007	(2,729)	(25)	1,481	1,183	-	132	23	284	175,614	1,183	958	225	756	202	21%
8/7/15	198	239,841	(1,166)	-	786	1,422	-	131	23	(1,575)	174,040	1,422	937	485	751	186	20%
8/8/15	13	238,488	(1,353)	-	696	1,250	-	129	27	(1,408)	172,631	1,250	946	304	726	220	23%
8/9/15	188	237,315	(1,173)	(51)	876	1,247	-	128	29	(1,047)	171,583	1,247	1,020	227	800	220	22%
8/10/15	55	235,515	(1,800)	(58)	928	1,245	-	126	30	(938)	170,644	1,245	975	254	796	161	16%
8/11/15	207	233,585	(1,930)	(25)	1,229	1,244	-	126	25	(329)	170,314	1,244	949	275	766	172	18%
8/12/15	(52)	230,774	(2,811)	(295)	1,472	1,244	-	125	26	153	170,466	1,244	945	305	754	158	17%
8/13/15	243	228,102	(2,672)	(245)	1,477	1,244	-	155	27	101	170,568	1,244	945	297	754	162	17%
8/14/15	114	225,051	(3,051)	(25)	1,738	1,228	-	176	27	609	171,177	1,228	945	281	750	202	21%
8/15/15	215	223,159	(1,892)	(25)	1,184	1,269	83	176	27	(736)	170,441	1,269	938	330	753	186	20%
8/16/15	(50)	220,836	(2,323)	(26)	1,414	1,251	180	192	30	(1,016)	169,425	1,251	936	321	748	185	20%
8/17/15	186	218,755	(2,081)	(25)	1,290	1,250	60	229	31	(555)	168,870	1,250	960	294	768	199	21%
8/18/15	44	216,760	(1,995)	(33)	1,099	1,249	-	249	33	(857)	168,014	1,249	959	293	778	179	19%
8/19/15	433	215,768	(992)	(25)	886	1,247	-	246	27	(1,258)	166,756	1,247	961	291	778	179	19%
8/20/15	157	214,555	(1,213)	(25)	816	1,245	-	242	20	(1,371)	165,385	1,245	963	280	783	184	19%
8/21/15	16	213,441	(1,114)	(25)	572	1,243	-	207	24	(1,789)	163,596	1,243	956	287	781	171	18%
8/22/15	37	212,469	(972)	(24)	561	1,239	-	169	12	(1,704)	161,893	1,239	952	283	777	183	19%
8/23/15	157	211,501	(968)	(17)	678	1,252	-	166	22	(1,511)	160,382	1,252	954	296	780	175	18%
8/24/15	130	209,837	(1,664)	(33)	889	1,257	-	193	27	(1,166)	159,215	1,257	956	301	782	175	18%
8/25/15	(62)	207,781	(2,056)	(25)	989	1,255	-	283	22	(1,133)	158,082	1,255	965	290	787	184	19%
8/26/15	49	205,638	(2,143)	(16)	1,082	1,254	-	320	31	(1,037)	157,045	1,254	970	285	796	180	19%
8/27/15	115	203,527	(2,111)	(33)	1,267	1,252	-	282	23	(575)	156,470	1,252	966	283	802	168	17%
8/28/15	(20)	201,028	(2,499)	(16)	1,166	1,251	-	199	29	(621)	155,849	1,251	964	282	805	168	17%
8/29/15	89	198,305	(2,723)	(25)	1,542	1,085	-	126	30	597	156,446	1,085	958	120	803	160	17%
8/30/15	(12)	196,539	(1,766)	(24)	949	801	-	126	22	-	156,446	801	948	(155)	795	163	17%
8/31/15	286	194,684	(1,855)	(25)	1,216	401	-	185	24	1,202	157,648	401	858	(487)	760	107	12%
Total (AF)	7,946	194,684	(59,869)	(781)	68,125	74,082	1,789	1,703	1,611	(21,059)	157,648	74,082	58,470	15,459	47,041	11,368	19%

Source: US Bureau of Reclamation;
Friant Water Authority