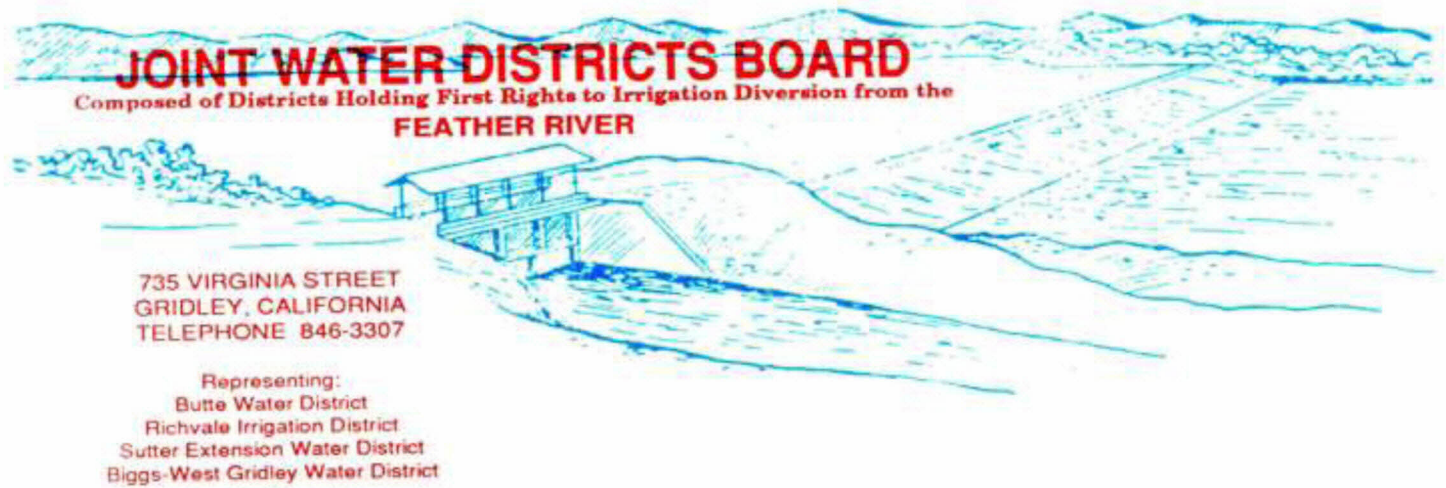


2015

Joint Water Districts Board
Hydrology Report

By,
Donnie Stinnett



February 5th, 2016

Richvale Irrigation District
Butte Water District
Sutter Extension Water District
Biggs-West Gridley Water District

Ladies and Gentlemen:

I am handing to you at this time the report covering the daily calculations of water diverted by gravity from the Thermalito Afterbay and the diversions for water between each of the four districts for the water year 2015. This report also takes into consideration the water pumped by Sutter Extension Water District at their Sunset Pumps as well as water returned to the Feather River at Cox Spillway. This report also includes non-allotted diversions from March 18th, 2015 through March 31st, 2015 and November 1st, 2015 through January 4th, 2016. 2015 was also a year in which the water was cut 50% per the 1969 settlement agreement.

No consideration was given to the water that might have been recovered from drains by any of the districts.

Sincerely,

Donnie Stinnett

Donnie Stinnett
Manager
Joint Water Districts Board

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INTRODUCTION

Calculations are made essentially the same as in 2014 and stage recorders and meters are maintained at the following stations:

- | | | |
|-----|---|---|
| 1. | Sutter Butte Canal Head Gates: | Stevens Digital Recorder, D.W.R. Report, Pressure Transducer |
| 2. | Richvale Canal Head Gates: | Sontek Recorder, D.W.R. Reports |
| 3. | Cox Spillway: | Stevens Digital Recorder, Stevens Chart Recorder, Pressure Transducer |
| 4. | Main Canal at Sunset Pumps: | Sunset Pump Data provided by Sutter Extension Water District |
| 5. | Main Canal North of Chapman Weir: | Sontek Recorder |
| 6. | Main Canal South of Looney Weir: | Sontek Recorder |
| 7. | Dietzler Lateral at Head: | Stevens Chart Recorder |
| 8. | Belding Extension West of Belding Gates: | Sontek Recorder |
| 9. | Minderman Extension North of Minderman Gates: | Sontek Recorder |
| 10. | Lateral #8 at West Biggs Gridley Road: | Reported and Maintained by Biggs-West Gridley Water District |

There are several diversion located throughout the Main Canal and Biggs Extension which are not metered. These diversions are recorded and reported by the respective districts maintaining the gates and myself weekly. There are several locations throughout the system where a StreamPro mobile measuring device is used to measure flow and maintain accuracy.

TOTAL DIVERSIONS INCLUDING SUNSET PUMPS - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	1,388	998	1,310	1,260	543	316
2	-	1,549	997	1,280	1,237	511	413
3	-	1,569	954	1,238	1,241	512	460
4	-	1,560	978	1,226	1,187	507	467
5	-	1,506	988	1,202	1,147	487	468
6	-	1,455	1,024	1,214	1,122	470	501
7	-	1,415	1,026	1,221	1,093	464	535
8	-	1,344	1,008	1,230	1,074	474	589
9	-	1,272	1,027	1,225	1,072	463	637
10	-	1,205	1,085	1,226	1,072	442	667
11	-	1,134	1,095	1,233	1,071	432	670
12	-	1,057	1,077	1,228	1,046	429	658
13	-	1,063	1,085	1,215	1,058	412	687
14	-	1,117	1,108	1,187	1,062	380	684
15	-	1,092	1,143	1,172	1,055	371	708
16	70	1,025	1,203	1,197	1,029	401	741
17	93	965	1,237	1,202	1,017	386	738
18	127	961	1,251	1,201	998	382	712
19	102	994	1,234	1,181	965	376	727
20	137	975	1,234	1,184	944	367	711
21	232	918	1,226	1,198	902	363	727
22	329	932	1,214	1,207	860	354	742
23	429	992	1,241	1,219	846	330	673
24	473	962	1,248	1,219	820	329	610
25	536	937	1,232	1,215	773	344	595
26	527	906	1,248	1,227	733	352	573
27	787	887	1,266	1,215	682	343	559
28	1,006	921	1,289	1,209	659	322	590
29	1,121	965	1,305	1,242	641	296	579
30	1,238	984	1,332	1,254	607	296	602
31		993		1,273	580		578
	7,207	35,042	34,352	37,849	29,852	12,137	18,917

Total C.F.S. 175,357
 Total Ac/Ft. 347,820
 Actual C.F.S. 170,778
 Actual Ac/Ft. 338,738

Actual Ac/Ft = 1,500.00 Ac/Ft was used @ SEWD via Ground Water Substitution

Actual Ac/Ft = 10,582.00 Ac/Ft was wheeled to Gray Lodge via BWGWD

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	240	477
MAY	1,130	2,242
JUNE	1,145	2,271
JULY	1,221	2,422
AUGUST	963	1,910
SEPTEMBER	405	802
OCTOBER	610	1,210

TOTAL WATER CHARGED TO THE JOINT WATER DISTRICT'S 315,000 ACRE-FOOT
ENTITLEMENT AND SUTTER EXTENSION'S SUNSET PUMPS 25,000 ACRE-FOOT
ENTITLEMENT (340,000 ACRE-FEET TOTAL) - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	1,388	989	1,295	1,237	527	315
2	-	1,549	976	1,269	1,226	494	411
3	-	1,569	941	1,230	1,228	503	458
4	-	1,556	963	1,218	1,167	489	466
5	-	1,502	970	1,189	1,139	464	467
6	-	1,435	1,015	1,208	1,110	450	500
7	-	1,360	1,010	1,215	1,078	452	534
8	-	1,310	984	1,226	1,069	457	584
9	-	1,233	1,012	1,215	1,062	447	628
10	-	1,173	1,080	1,224	1,055	438	661
11	-	1,111	1,084	1,231	1,060	425	663
12	-	1,036	1,064	1,213	1,031	420	657
13	-	1,042	1,075	1,190	1,045	386	686
14	-	1,100	1,091	1,165	1,049	357	681
15	-	1,070	1,128	1,163	1,038	361	703
16	70	1,001	1,197	1,194	1,009	397	740
17	93	953	1,220	1,190	997	383	737
18	127	943	1,234	1,188	987	380	711
19	102	970	1,218	1,170	951	374	724
20	137	965	1,221	1,173	913	364	710
21	232	912	1,206	1,187	880	356	726
22	329	931	1,199	1,199	851	348	741
23	429	989	1,232	1,192	830	328	672
24	473	955	1,242	1,204	810	328	609
25	536	925	1,213	1,206	766	343	594
26	527	894	1,239	1,201	704	351	572
27	787	875	1,262	1,203	668	342	558
28	1,006	910	1,282	1,207	642	321	589
29	1,121	956	1,296	1,230	625	295	578
30	1,238	977	1,323	1,240	586	295	601
31		988		1,243	564		577
	7,207	34,576	33,963	37,480	29,381	11,874	18,847

Total C.F.S. 173,328
Total Ac/Ft. 343,796
Actual C.F.S. 168,749
Actual Ac/Ft. 334,714

Actual Ac/Ft = 4,024.90 Ac/Ft was returned to the Feather River via Cox Spill

Actual Ac/Ft = 1,500.00 Ac/Ft was used @ SEWD via Ground Water Substitution

Actual Ac/Ft = 10,582.00 Ac/Ft was wheeled to Gray Lodge via Biggs-West Gridley Water District

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	240	477
MAY	1,115	2,212
JUNE	1,132	2,245
JULY	1,209	2,398
AUGUST	948	1,880
SEPTEMBER	396	785
OCTOBER	608	1,206

TOTAL WATER CHARGED TO THE JOINT WATER DISTRICT'S
315,000 ACRE-FOOT ENTITLEMENT - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	1,154	755	1,285	1,212	336	315
2	-	1,315	742	1,246	1,210	423	411
3	-	1,335	710	1,212	1,208	494	458
4	-	1,322	736	1,201	1,140	479	466
5	-	1,268	749	1,174	1,118	456	467
6	-	1,201	803	1,192	1,104	444	500
7	-	1,126	793	1,211	1,070	442	534
8	-	1,076	761	1,221	1,056	454	584
9	-	999	778	1,205	1,051	447	628
10	-	1,054	846	1,211	1,047	438	661
11	-	1,010	850	1,196	1,047	425	663
12	-	977	837	1,182	1,019	420	657
13	-	957	857	1,171	1,034	386	686
14	-	999	867	1,147	1,042	357	681
15	-	979	905	1,146	1,022	361	703
16	70	906	1,163	1,178	993	397	740
17	93	857	1,193	1,173	763	383	737
18	127	851	1,210	1,172	753	380	711
19	102	883	1,207	1,148	717	374	724
20	137	880	1,194	1,143	679	364	710
21	232	814	1,169	1,175	646	356	726
22	329	831	1,175	1,189	617	348	741
23	429	901	1,222	1,168	596	328	672
24	473	889	1,233	1,178	576	328	609
25	536	880	1,188	1,180	532	343	594
26	527	859	1,229	1,169	470	351	572
27	691	847	1,238	1,171	437	342	558
28	772	887	1,270	1,180	430	321	589
29	887	941	1,285	1,204	427	295	578
30	1,004	974	1,311	1,223	393	295	601
31		988		1,225	374		577
	6,409	30,963	30,276	36,876	25,785	11,568	18,847

Total C.F.S. 160,724
Total Ac/Ft. 318,796
Actual C.F.S. 156,145
Actual Ac/Ft. 309,714

Actual Ac/Ft = 4,024.90 Ac/Ft was returned to the Feather River via Cox Spill

Actual Ac/Ft = 1,500.00 Ac/Ft was used @ SEWD via Ground Water Substitution

Actual Ac/Ft = 10,582.00 Ac/Ft was wheeled to Gray Lodge via Biggs-West Gridley Water District

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	214	424
MAY	999	1,981
JUNE	1,009	2,002
JULY	1,190	2,359
AUGUST	832	1,650
SEPTEMBER	386	765
OCTOBER	608	1,206

TOTAL GRAVITY DIVERSIONS
SUTTER BUTTE CANAL AND RICHVALE CANAL - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	1,283	994	1,300	1,235	536	316
2	-	1,405	978	1,257	1,221	503	413
3	-	1,443	947	1,220	1,220	503	460
4	-	1,463	953	1,209	1,160	497	467
5	-	1,455	964	1,187	1,126	479	468
6	-	1,381	1,007	1,198	1,116	464	501
7	-	1,339	1,002	1,216	1,084	454	535
8	-	1,282	979	1,224	1,061	471	589
9	-	1,212	997	1,216	1,061	463	637
10	-	1,115	1,078	1,213	1,064	442	667
11	-	1,033	1,093	1,198	1,059	432	670
12	-	998	1,058	1,197	1,034	429	658
13	-	978	1,062	1,196	1,048	412	687
14	-	1,017	1,078	1,168	1,054	380	684
15	-	1,002	1,107	1,155	1,039	371	708
16	70	930	1,170	1,181	1,012	401	741
17	93	869	1,210	1,185	993	386	738
18	127	870	1,227	1,185	970	382	712
19	102	907	1,223	1,159	952	376	727
20	137	889	1,207	1,155	934	367	711
21	232	819	1,190	1,186	890	363	727
22	329	833	1,190	1,197	846	354	742
23	429	904	1,231	1,194	829	330	673
24	473	896	1,239	1,193	807	329	610
25	536	893	1,207	1,189	771	344	595
26	527	871	1,237	1,195	733	352	573
27	786	859	1,242	1,183	677	343	559
28	982	898	1,276	1,182	631	322	590
29	1,066	951	1,294	1,216	624	296	579
30	1,151	981	1,320	1,236	607	296	602
31		993		1,255	575		578
	7,040	32,769	33,760	37,245	29,433	12,077	18,917

Total C.F.S. 171,241
Total Ac/Ft. 339,657

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	235	465
MAY	1,057	2,097
JUNE	1,125	2,232
JULY	1,201	2,383
AUGUST	949	1,883
SEPTEMBER	403	798
OCTOBER	610	1,210

SUTTER BUTTE CANAL - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	1,080	863	1,070	1,040	486	200
2	-	1,210	861	1,050	1,030	453	241
3	-	1,230	851	1,020	1,030	453	266
4	-	1,220	849	1,010	984	447	272
5	-	1,210	855	1,000	955	428	273
6	-	1,160	880	1,020	954	412	300
7	-	1,130	872	1,040	942	402	331
8	-	1,070	851	1,040	924	419	384
9	-	1,040	858	1,020	925	411	449
10	-	972	915	1,020	929	390	485
11	-	913	923	1,010	939	380	488
12	-	893	888	1,000	920	377	475
13	-	880	893	990	938	360	498
14	-	920	899	966	946	328	487
15	-	906	919	956	931	304	509
16	-	822	981	974	903	297	527
17	-	744	1,010	984	884	265	498
18	-	734	1,010	986	867	259	473
19	-	767	1,020	969	852	261	502
20	37	748	1,010	978	834	262	509
21	86	689	1,000	1,010	791	249	510
22	135	708	1,000	1,020	763	236	535
23	196	751	1,020	1,020	751	212	479
24	229	760	1,020	1,000	730	210	441
25	272	747	998	989	706	215	436
26	286	736	1,030	995	683	214	419
27	574	738	1,030	982	631	204	411
28	791	787	1,050	977	585	202	442
29	900	841	1,050	1,010	578	200	440
30	965	865	1,070	1,030	558	197	490
31		866		1,050	525		505
	4,471	28,137	28,476	31,186	26,028	9,533	13,275

Total C.F.S. 141,106
Total Ac/Ft. 279,884

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	149	296
MAY	908	1,800
JUNE	949	1,883
JULY	1,006	1,995
AUGUST	840	1,665
SEPTEMBER	318	630
OCTOBER	428	849

RICHVALE CANAL - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	203	131	230	195	50	116
2	-	195	117	207	191	50	172
3	-	213	96	200	190	50	194
4	-	243	104	199	176	50	195
5	-	245	109	187	171	51	195
6	-	221	127	178	162	52	201
7	-	209	130	176	142	52	204
8	-	212	128	184	137	52	205
9	-	172	139	196	136	52	188
10	-	143	163	193	135	52	182
11	-	120	170	188	120	52	182
12	-	105	170	197	114	52	183
13	-	98	169	206	110	52	189
14	-	97	179	202	108	52	197
15	-	96	188	199	108	67	199
16	70	108	189	207	109	104	214
17	93	125	200	201	109	121	240
18	127	136	217	199	103	123	239
19	102	140	203	190	100	115	225
20	100	141	197	177	100	105	202
21	146	130	190	176	99	114	217
22	194	125	190	177	83	118	207
23	233	153	211	174	78	118	194
24	244	136	219	193	77	119	169
25	264	146	209	200	65	129	159
26	241	135	207	200	50	138	154
27	212	121	212	201	46	139	148
28	191	111	226	205	46	120	148
29	166	110	244	206	46	96	139
30	186	116	250	206	49	99	112
31		127		205	50		73
	2,569	4,632	5,284	6,059	3,405	2,544	5,642

Total C.F.S. 30,135
Total Ac/Ft. 59,773

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	86	170
MAY	149	296
JUNE	176	349
JULY	195	388
AUGUST	110	218
SEPTEMBER	85	168
OCTOBER	182	361

COX SPILLWAY - 2015
WATER RETURNED TO THE FEATHER RIVER

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	-	10	15	23	16	1
2	-	-	21	11	11	17	2
3	-	-	13	8	12	9	2
4	-	3	15	8	20	18	1
5	-	4	18	13	8	23	1
6	-	20	8	6	12	20	1
7	-	54	16	5	14	12	1
8	-	34	25	3	5	17	5
9	-	39	15	11	10	16	9
10	-	32	5	2	17	4	6
11	-	23	11	2	12	7	7
12	-	21	13	15	15	9	1
13	-	21	11	25	14	26	1
14	-	18	17	21	12	23	3
15	-	23	15	9	17	10	5
16	-	24	7	3	19	4	1
17	-	12	17	12	19	3	1
18	-	19	17	13	11	2	1
19	-	24	16	11	13	2	3
20	-	9	13	12	31	3	1
21	-	5	21	11	21	7	1
22	-	2	15	8	9	6	1
23	-	3	9	26	15	2	1
24	-	7	6	15	10	1	1
25	-	13	19	9	7	1	1
26	-	12	8	26	29	1	1
27	-	12	4	12	15	1	1
28	-	11	6	2	17	1	1
29	-	10	9	12	15	1	1
30	-	7	9	13	21	1	1
31	-	5		30	16		1
	-	466	390	369	471	263	70

Total C.F.S. 2,029
Total Ac/Ft. 4,025

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	-	-
MAY	15	30
JUNE	13	26
JULY	12	24
AUGUST	15	30
SEPTEMBER	9	17
OCTOBER	2	4

RICHVALE IRRIGATION DISTRICT

Richvale Irrigation District has two diversion points. One is located at the North-West corner of the Thermalito Afterbay into the Richvale Canal. A Sontek recorder and measuring station are maintained here. The second of these two diversion points is located off of the Biggs Extension Canal via the Sutter Butte Main Canal. The Sutter Butte Main Canal is supplied water directly through the Afterbay. A metering and measuring station are located about 300 feet north of the Minderman Weir.

RICHVALE IRRIGATION DISTRICT - TOTAL - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	306	225	307	343	54	116
2	-	324	210	284	338	54	172
3	-	345	187	281	334	54	194
4	-	376	204	279	321	54	195
5	-	368	213	265	308	55	195
6	-	339	228	252	295	56	201
7	-	326	230	249	274	56	213
8	-	327	225	258	263	55	217
9	-	286	225	272	258	54	200
10	-	257	242	269	256	54	194
11	-	212	246	265	240	54	194
12	-	185	243	275	218	54	195
13	-	177	238	284	206	54	201
14	-	171	245	279	205	53	209
15	-	167	251	289	197	67	211
16	70	179	270	304	194	104	218
17	93	195	292	299	194	121	240
18	127	206	309	298	175	123	239
19	102	221	294	289	156	115	225
20	100	227	286	276	151	105	202
21	146	215	276	285	148	114	217
22	194	209	276	291	132	118	207
23	233	237	296	290	127	118	194
24	244	220	300	312	126	119	169
25	264	229	291	328	114	129	159
26	241	217	286	345	98	138	154
27	231	203	288	353	88	139	148
28	230	196	302	357	79	120	148
29	211	198	321	358	75	96	139
30	232	208	326	357	63	99	112
31		221		356	54		73
	2,718	7,545	7,823	9,209	6,030	2,583	5,750

Total C.F.S. 41,658
Total Ac/Ft. 82,628
Actual C.F.S. 41,607
Actual Ac/Ft. 82,528

Actual Ac/Ft = 100.00 Ac/Ft was wheeled to BWGWD via RID

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	91	180
MAY	243	483
JUNE	261	517
JULY	297	589
AUGUST	195	386
SEPTEMBER	86	171
OCTOBER	185	368

RICHVALE IRRIGATION DISTRICT - RICHVALE CANAL - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	203	131	230	195	50	116
2	-	195	117	207	191	50	172
3	-	213	96	200	190	50	194
4	-	243	104	199	176	50	195
5	-	245	109	187	171	51	195
6	-	221	127	178	162	52	201
7	-	209	130	176	142	52	204
8	-	212	128	184	137	52	205
9	-	172	139	196	136	52	188
10	-	143	163	193	135	52	182
11	-	120	170	188	120	52	182
12	-	105	170	197	114	52	183
13	-	98	169	206	110	52	189
14	-	97	179	202	108	52	197
15	-	96	188	199	108	67	199
16	70	108	189	207	109	104	214
17	93	125	200	201	109	121	240
18	127	136	217	199	103	123	239
19	102	140	203	190	100	115	225
20	100	141	197	177	100	105	202
21	146	130	190	176	99	114	217
22	194	125	190	177	83	118	207
23	233	153	211	174	78	118	194
24	244	136	219	193	77	119	169
25	264	146	209	200	65	129	159
26	241	135	207	200	50	138	154
27	212	121	212	201	46	139	148
28	191	111	226	205	46	120	148
29	166	110	244	206	46	96	139
30	186	116	250	206	49	99	112
31		127		205	50		73
	2,569	4,632	5,284	6,059	3,405	2,544	5,642

Total C.F.S. 30,135
Total Ac/Ft. 59,773

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	86	170
MAY	149	296
JUNE	176	349
JULY	195	388
AUGUST	110	218
SEPTEMBER	85	168
OCTOBER	182	361

RICHVALE IRRIGATION DISTRICT - BIGGS EXTENSION AT THE MINDERMAN - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	103	94	77	148	4	-
2	-	129	93	77	147	4	-
3	-	132	91	81	144	4	-
4	-	133	100	80	145	4	-
5	-	123	104	78	137	4	-
6	-	118	101	74	133	4	-
7	-	117	100	73	132	4	9
8	-	115	97	74	126	3	12
9	-	114	86	76	122	2	12
10	-	114	79	76	121	2	12
11	-	92	76	77	120	2	12
12	-	80	73	78	104	2	12
13	-	79	69	78	96	2	12
14	-	74	66	77	97	1	12
15	-	71	63	90	89	0	12
16	-	71	81	97	85	-	4
17	-	70	92	98	85	-	-
18	-	70	92	99	72	-	-
19	-	81	91	99	56	-	-
20	-	86	89	99	51	-	-
21	-	85	86	109	49	-	-
22	-	84	86	114	49	-	-
23	-	84	85	116	49	-	-
24	-	84	81	119	49	-	-
25	-	83	82	128	49	-	-
26	-	82	79	145	48	-	-
27	19	82	76	152	42	-	-
28	39	85	76	152	33	-	-
29	45	88	77	152	29	-	-
30	46	92	76	151	14	-	-
31		94		151	4		-
	149	2,913	2,539	3,150	2,625	39	108

Total C.F.S. 11,523
Total Ac/Ft. 22,855

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	5	10
MAY	94	186
JUNE	85	168
JULY	102	202
AUGUST	85	168
SEPTEMBER	1	3
OCTOBER	3	7

BIGGS-WEST GRIDLEY WATER DISTRICT

Biggs-West Gridley Water District has three major diversion points. These diversion points consist of the Belding Lateral, Dietzler Lateral, and Lateral #8. The Belding Lateral and Dietzler Lateral are at the Biggs Extension Canal at Hwy. 99. Lateral #8 is located at West Biggs Gridley Rd. Calculations are made for the water diverted between the Green House Gates and North Ave. Calculations are also made for water diverted within the Biggs Extension Canal. This information is reported to the Joint Water Districts Board office weekly and are recorded under the Biggs Miscellaneous.

BIGGS-WEST GRIDLEY WATER DISTRICT - TOTAL - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	492	256	335	321	113	84
2	-	516	243	334	319	107	122
3	-	487	238	327	311	125	132
4	-	441	246	313	298	120	147
5	-	400	267	320	290	125	150
6	-	388	293	330	270	119	184
7	-	367	285	350	270	114	215
8	-	332	288	336	273	122	211
9	-	342	276	321	277	121	253
10	-	329	296	317	266	125	294
11	-	311	304	318	280	122	280
12	-	298	300	311	277	113	275
13	-	303	312	307	266	109	297
14	-	331	319	295	275	103	302
15	-	313	336	283	273	105	297
16	-	282	341	300	255	91	318
17	-	246	354	309	245	76	276
18	-	245	367	310	235	71	250
19	-	241	385	298	235	71	234
20	37	237	387	318	213	74	237
21	86	192	373	307	227	78	246
22	135	210	364	320	219	79	250
23	196	239	376	315	205	80	189
24	229	239	369	312	173	93	142
25	272	231	347	296	151	97	134
26	286	236	351	284	132	91	116
27	366	245	353	284	148	95	164
28	413	261	340	300	133	90	244
29	440	285	322	309	131	87	249
30	497	277	329	306	132	84	297
31		272		322	115		289
	2,957	9,588	9,619	9,684	7,218	3,004	6,877

Total C.F.S. 48,947
 Total Ac/Ft. 97,087
 Actual C.F.S. 43,663
 Actual Ac/Ft. 86,605

Actual Ac/Ft = 100.00 Ac/Ft was wheeled to BWGWD via RID

Actual Ac/Ft = 10,582.00 Ac/Ft was wheeled to Gray Lodge via BWGWD and was supplied by USBR

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	99	196
MAY	309	613
JUNE	321	636
JULY	312	620
AUGUST	233	462
SEPTEMBER	100	199
OCTOBER	222	440

BIGGS-WEST GRIDLEY WATER DISTRICT - BIGGS EXTENSION AT THE BELDING - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	445	223	289	266	98	84
2	-	455	202	289	277	94	122
3	-	421	198	283	273	114	132
4	-	349	205	281	249	110	147
5	-	309	221	279	242	112	150
6	-	296	237	294	234	106	184
7	-	288	230	302	224	106	215
8	-	257	223	290	230	101	206
9	-	269	212	278	233	100	242
10	-	272	241	286	229	95	283
11	-	257	255	280	245	88	274
12	-	247	246	277	250	86	275
13	-	247	257	275	240	82	297
14	-	271	264	260	248	79	302
15	-	261	286	241	245	81	295
16	-	226	286	243	228	79	315
17	-	207	299	256	225	67	273
18	-	200	310	253	218	64	248
19	-	202	323	254	207	66	229
20	37	192	327	268	182	74	225
21	86	152	308	260	185	78	233
22	135	166	309	274	172	74	237
23	196	197	320	272	161	72	176
24	229	199	312	266	148	87	132
25	272	190	293	261	123	89	124
26	286	200	311	255	107	85	108
27	361	207	310	257	121	92	151
28	399	226	301	264	113	90	234
29	421	245	286	264	111	87	239
30	472	247	285	261	106	84	293
31		240		266	90		289
	2,894	7,940	8,079	8,375	6,182	2,642	6,713

Total C.F.S. 42,826
Total Ac/Ft. 84,945

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	96	191
MAY	256	508
JUNE	269	534
JULY	270	536
AUGUST	199	396
SEPTEMBER	88	175
OCTOBER	217	430

BIGGS-WEST GRIDLEY WATER DISTRICT - BIGGS EXTENSION AT THE DIETZLER - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	7	9	6	9	1	-
2	-	13	7	6	10	1	-
3	-	14	5	6	11	1	-
4	-	11	5	5	11	1	-
5	-	8	7	4	9	1	-
6	-	8	8	4	8	1	-
7	-	7	5	4	6	1	-
8	-	4	4	4	5	1	-
9	-	4	3	7	5	1	-
10	-	3	2	9	5	1	-
11	-	2	6	9	5	1	-
12	-	2	7	5	5	1	-
13	-	8	6	4	5	1	-
14	-	10	6	5	4	1	-
15	-	7	7	6	3	1	-
16	-	7	7	6	3	1	-
17	-	5	8	6	3	0	-
18	-	4	6	6	3	-	-
19	-	4	6	6	3	-	-
20	-	4	5	5	3	-	-
21	-	4	4	7	6	-	-
22	-	6	4	9	11	5	-
23	-	7	4	8	8	7	-
24	-	7	11	6	3	6	-
25	-	6	12	6	2	6	-
26	-	4	8	6	1	2	-
27	5	3	6	6	1	-	-
28	10	3	6	6	1	-	-
29	11	4	6	6	1	-	-
30	11	5	6	6	1	-	-
31		7		6	1		-
	36	184	184	182	150	46	-

Total C.F.S. 782
Total Ac/Ft. 1,551

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	1	2
MAY	6	12
JUNE	6	12
JULY	6	12
AUGUST	5	10
SEPTEMBER	2	3
OCTOBER	-	-

BIGGS-WEST GRIDLEY WATER DISTRICT - AT LATERAL #8 - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	-	10	10	10	10	-
2	-	-	10	10	10	10	-
3	-	-	10	10	5	9	-
4	-	20	10	-	10	6	-
5	-	15	10	-	10	10	-
6	-	15	10	-	-	10	-
7	-	15	10	10	10	5	-
8	-	20	10	10	10	5	-
9	-	20	10	10	10	5	-
10	-	5	10	10	5	10	5
11	-	10	10	10	5	10	3
12	-	10	15	10	5	10	-
13	-	15	15	5	5	10	-
14	-	15	15	5	5	5	-
15	-	15	10	5	5	5	-
16	-	15	15	5	5	-	-
17	-	10	15	5	-	-	-
18	-	15	15	10	-	-	-
19	-	10	15	10	-	-	-
20	-	10	15	10	5	-	5
21	-	10	15	10	5	-	5
22	-	10	10	10	5	-	5
23	-	-	10	10	5	-	5
24	-	-	10	10	5	-	5
25	-	10	10	-	5	2	5
26	-	10	-	-	5	5	-
27	-	10	5	5	10	3	5
28	-	10	5	5	10	-	5
29	-	10	5	-	10	-	5
30	-	5	10	-	10	-	2
31	-	5	-	10	10	-	-
	-	315	320	205	195	130	55

Total C.F.S. 1,220
Total Ac/Ft. 2,419

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	-	-
MAY	10	20
JUNE	11	21
JULY	7	13
AUGUST	6	12
SEPTEMBER	4	9
OCTOBER	2	3

BIGGS-WEST GRIDLEY WATER DISTRICT - BIGGS MISCELLANEOUS - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	40	15	30	36	4	-
2	-	48	24	30	21	2	-
3	-	51	25	28	22	2	-
4	-	60	25	28	29	2	-
5	-	67	29	37	29	2	-
6	-	69	38	32	29	2	-
7	-	57	40	33	31	2	-
8	-	51	52	32	28	15	5
9	-	48	52	26	30	15	12
10	-	49	43	12	27	18	7
11	-	42	34	19	25	23	4
12	-	39	32	19	17	17	-
13	-	34	33	23	16	17	-
14	-	36	33	25	18	18	-
15	-	30	33	32	20	18	2
16	-	34	33	47	19	12	3
17	-	24	33	42	17	8	3
18	-	26	37	42	15	7	3
19	-	26	41	28	26	5	5
20	-	31	41	35	24	-	8
21	-	26	46	30	31	-	8
22	-	28	41	27	31	-	8
23	-	36	42	25	31	-	8
24	-	33	36	30	17	-	5
25	-	25	32	28	21	-	5
26	-	22	33	23	18	-	8
27	-	25	32	16	16	-	7
28	4	23	29	26	9	-	5
29	9	26	25	39	9	-	5
30	15	21	28	39	14	-	1
31		20		41	14		-
	27	1,149	1,036	921	691	185	109

Total C.F.S. 4,120
Total Ac/Ft. 8,172

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	1	2
MAY	37	74
JUNE	35	69
JULY	30	59
AUGUST	22	44
SEPTEMBER	6	12
OCTOBER	4	7

SUTTER EXTENSION WATER DISTRICT

Sutter Extension Water District has two diversion points. One is located at the Sutter Butte Canal Head Gates into the main canal and the other is at the Sunset Pumps. All the water diverted for Sutter Extension Water District from the Thermalito Afterbay is calculated at the Sontek station located about three quarters of a mile above the point where the main canal enters into their district. A metering station is also maintained at the Sunset Pumps. All water diverted by Butte Water District between these two points is monitored at the farm gate turnouts and reported weekly to the Joint Water Districts Board office.

SUTTER EXTENSION WATER DISTRICT - TOTAL WATER DIVERTED
INCLUDING SUNSET PUMPS - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	359	236	330	275	190	114
2	-	462	242	334	270	190	117
3	-	507	230	324	269	191	133
4	-	555	227	321	262	180	124
5	-	516	220	320	249	165	122
6	-	496	212	315	249	164	114
7	-	444	217	319	250	167	106
8	-	410	222	323	252	167	117
9	-	373	243	316	254	158	126
10	-	346	248	305	249	139	124
11	-	324	234	303	246	146	145
12	-	284	227	297	245	141	142
13	-	290	217	285	266	143	143
14	-	294	224	279	269	145	161
15	-	300	223	276	265	143	195
16	-	296	233	280	265	139	204
17	-	258	247	275	269	141	221
18	-	241	248	270	272	142	221
19	-	246	237	273	266	143	265
20	-	235	249	272	260	145	271
21	-	235	257	277	260	154	263
22	-	224	267	273	260	151	284
23	-	211	274	277	260	131	289
24	-	214	269	283	259	116	298
25	-	199	278	277	244	117	301
26	-	182	294	277	239	121	302
27	96	165	317	280	231	108	246
28	250	175	317	280	212	110	177
29	261	202	328	278	198	111	26
30	283	225	325	273	193	112	-
31		234		277	190		-
	890	9,500	7,563	9,070	7,748	4,371	5,350

Total C.F.S.	44,492
Total Ac/Ft.	88,250
Actual C.F.S.	45,248
Actual Ac/Ft.	89,750

Actual Ac/Ft = 1,500.00 Ac/Ft was used @ SEWD via Ground Water Substitution

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	30	59
MAY	306	608
JUNE	252	500
JULY	293	580
AUGUST	250	496
SEPTEMBER	146	289
OCTOBER	173	342

SUTTER EXTENSION WATER DISTRICT - TOTAL GRAVITY - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	253	232	320	250	184	114
2	-	317	222	311	254	183	117
3	-	381	223	305	249	182	133
4	-	458	202	304	235	170	124
5	-	465	197	305	228	158	122
6	-	422	195	299	243	158	114
7	-	368	193	314	241	157	106
8	-	348	193	317	239	164	117
9	-	313	213	307	242	158	126
10	-	256	241	292	241	139	124
11	-	223	232	268	234	146	145
12	-	225	209	266	233	141	142
13	-	204	194	266	256	143	143
14	-	194	194	260	261	145	161
15	-	210	187	259	249	143	195
16	-	201	199	264	249	139	204
17	-	162	220	258	245	141	221
18	-	149	224	255	244	142	221
19	-	159	226	251	253	143	265
20	-	150	222	243	250	145	271
21	-	136	221	265	248	154	263
22	-	125	243	263	247	151	284
23	-	124	264	252	243	131	289
24	-	147	259	257	245	116	298
25	-	155	253	251	242	117	301
26	-	147	284	245	239	121	302
27	95	137	293	248	225	108	246
28	226	152	305	253	184	110	177
29	206	188	318	252	181	111	26
30	196	222	312	256	193	112	-
31		234		259	185		-
	723	7,226	6,970	8,466	7,330	4,311	5,350

Total C.F.S. 40,376
Total Ac/Ft. 80,086

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	24	48
MAY	233	462
JUNE	232	461
JULY	273	542
AUGUST	236	469
SEPTEMBER	144	285
OCTOBER	173	342

SUTTER EXTENSION WATER DISTRICT - SUNSET PUMPS - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	105	4	10	25	7	-
2	-	144	19	23	16	8	-
3	-	126	7	18	21	9	-
4	-	97	25	17	27	10	-
5	-	51	24	15	21	8	-
6	-	74	17	16	6	6	-
7	-	76	24	5	9	10	-
8	-	62	29	6	13	3	-
9	-	60	30	9	11	-	-
10	-	90	7	13	8	-	-
11	-	101	2	35	12	-	-
12	-	59	19	31	12	-	-
13	-	85	23	19	10	-	-
14	-	100	30	19	8	-	-
15	-	90	36	17	16	-	-
16	-	95	33	16	17	-	-
17	-	96	27	17	24	-	-
18	-	91	24	16	28	-	-
19	-	87	11	22	13	-	-
20	-	86	27	29	10	-	-
21	-	99	36	12	12	-	-
22	-	99	24	10	14	-	-
23	-	88	10	25	17	-	-
24	-	66	9	26	13	-	-
25	-	44	25	26	2	-	-
26	-	35	11	32	-	-	-
27	1	28	24	32	5	-	-
28	24	23	13	27	28	-	-
29	55	14	11	26	17	-	-
30	87	3	12	18	-	-	-
31		-		18	5		-
	167	2,273	592	604	419	60	-

Total C.F.S. 4,116
Total Ac/Ft. 8,164

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	6	11
MAY	73	145
JUNE	20	39
JULY	19	39
AUGUST	14	27
SEPTEMBER	2	4
OCTOBER	-	-

SUTTER EXTENSION WATER DISTRICT - SUNSET PUMP WATER FROM AFTERBAY - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	129	230	-	-	184	-
2	-	90	215	-	-	63	-
3	-	108	223	-	-	-	-
4	-	137	202	-	-	-	-
5	-	183	197	-	-	-	-
6	-	160	195	-	-	-	-
7	-	158	193	-	-	-	-
8	-	172	193	-	-	-	-
9	-	174	204	-	-	-	-
10	-	28	227	-	-	-	-
11	-	-	232	-	-	-	-
12	-	-	209	-	-	-	-
13	-	-	194	-	-	-	-
14	-	-	194	-	-	-	-
15	-	-	187	-	-	-	-
16	-	-	-	-	-	-	-
17	-	-	-	-	210	-	-
18	-	-	-	-	206	-	-
19	-	-	-	-	221	-	-
20	-	-	-	-	224	-	-
21	-	-	-	-	222	-	-
22	-	-	-	-	220	-	-
23	-	-	-	-	217	-	-
24	-	-	-	-	221	-	-
25	-	-	-	-	232	-	-
26	-	-	-	-	234	-	-
27	95	-	-	-	225	-	-
28	210	-	-	-	184	-	-
29	179	-	-	-	181	-	-
30	147	-	-	-	193	-	-
31	-	-	-	-	185	-	-
	631	1,340	3,094	-	3,176	247	-

Total C.F.S. 8,488
Total Ac/Ft. 16,836

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	21	42
MAY	43	86
JUNE	103	205
JULY	-	-
AUGUST	102	203
SEPTEMBER	8	16
OCTOBER	-	-

SUTTER EXTENSION WATER DISTRICT - TOTAL SUNSET PUMP WATER - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	234	234	10	25	190	-
2	-	234	234	23	16	71	-
3	-	234	230	18	21	9	-
4	-	234	227	17	27	10	-
5	-	234	220	15	21	8	-
6	-	234	212	16	6	6	-
7	-	234	217	5	9	10	-
8	-	234	222	6	13	3	-
9	-	234	234	9	11	-	-
10	-	119	234	13	8	-	-
11	-	101	234	35	12	-	-
12	-	59	227	31	12	-	-
13	-	85	217	19	10	-	-
14	-	100	224	19	8	-	-
15	-	90	223	17	16	-	-
16	-	95	33	16	17	-	-
17	-	96	27	17	234	-	-
18	-	91	24	16	234	-	-
19	-	87	11	22	234	-	-
20	-	86	27	29	234	-	-
21	-	99	36	12	234	-	-
22	-	99	24	10	234	-	-
23	-	88	10	25	234	-	-
24	-	66	9	26	234	-	-
25	-	44	25	26	234	-	-
26	-	35	11	32	234	-	-
27	96	28	24	32	231	-	-
28	234	23	13	27	212	-	-
29	234	14	11	26	198	-	-
30	234	3	12	18	193	-	-
31		-		18	190		-
	798	3,613	3,687	604	3,595	306	-

Total C.F.S. 12,604
Total Ac/Ft. 25,000

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	27	53
MAY	117	231
JUNE	123	244
JULY	19	39
AUGUST	116	230
SEPTEMBER	10	20
OCTOBER	-	-

SUTTER EXTENSION WATER DISTRICT - WATER CHARGED TO
64,750 AC/FT ALLOTMENT - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	125	2	320	250	-	114
2	-	228	8	311	254	120	117
3	-	273	-	305	249	182	133
4	-	321	-	304	235	170	124
5	-	282	-	305	228	158	122
6	-	262	-	299	243	158	114
7	-	210	-	314	241	157	106
8	-	176	-	317	239	164	117
9	-	139	9	307	242	158	126
10	-	228	14	292	241	139	124
11	-	223	-	268	234	146	145
12	-	225	-	266	233	141	142
13	-	204	-	266	256	143	143
14	-	194	-	260	261	145	161
15	-	210	-	259	249	143	195
16	-	201	199	264	249	139	204
17	-	162	220	258	35	141	221
18	-	149	224	255	38	142	221
19	-	159	226	251	32	143	265
20	-	150	222	243	26	145	271
21	-	136	221	265	26	154	263
22	-	125	243	263	26	151	284
23	-	124	264	252	26	131	289
24	-	147	259	257	25	116	298
25	-	155	253	251	10	117	301
26	-	147	284	245	5	121	302
27	-	137	293	248	-	108	246
28	16	152	305	253	-	110	177
29	27	188	318	252	-	111	26
30	49	222	312	256	-	112	-
31		234		259	-		-
	92	5,886	3,876	8,466	4,153	4,065	5,350

Total C.F.S. 31,888
Total Ac/Ft. 63,250
Actual C.F.S. 32,644
Actual Ac/Ft. 64,750

Actual Ac/Ft = 1,500.00 Ac/Ft was used via Ground Water Substitution

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	3	6
MAY	190	377
JUNE	129	256
JULY	273	542
AUGUST	134	266
SEPTEMBER	135	269
OCTOBER	173	342

BUTTE WATER DISTRICT

Butte Water District's diversions are calculated by elimination. All water not accounted for the other districts or at cox spillway is charged to Butte Water District. Calculations are made of water diverted by Butte Water District from the main canal between the Sutter Extension Water District metering station located 300 feet below the Chapman Weir at Paseo Road. This information is reported to the Joint Water Districts Board office weekly.

BUTTE WATER DISTRICT - TOTAL - 2015

DATE	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
1	-	231	271	324	297	170	-
2	-	248	282	317	299	143	-
3	-	230	285	299	314	134	-
4	-	185	286	305	286	136	-
5	-	218	269	285	292	119	-
6	-	212	282	310	296	111	-
7	-	223	278	297	284	115	-
8	-	242	247	309	281	113	39
9	-	232	269	305	274	114	48
10	-	241	294	334	284	120	48
11	-	265	300	345	293	102	44
12	-	269	293	330	291	111	45
13	-	273	308	314	307	79	45
14	-	304	303	312	301	55	9
15	-	290	319	314	303	46	-
16	-	244	353	309	296	63	-
17	-	254	326	307	289	45	-
18	-	250	310	310	304	45	-
19	-	261	302	310	294	45	-
20	-	267	299	307	289	40	-
21	-	271	299	319	246	10	-
22	-	287	292	314	240	-	-
23	-	302	286	310	238	-	-
24	-	282	304	298	252	-	-
25	-	265	297	306	257	-	-
26	-	259	308	295	235	-	-
27	95	263	303	286	201	-	-
28	113	277	323	269	217	-	20
29	209	270	325	285	221	-	164
30	226	266	344	304	198	-	192
31		262		288	206		214
	642	7,943	8,958	9,518	8,384	1,916	869

Total C.F.S.	38,231
Total Ac/Ft.	75,830
Actual C.F.S.	38,231
Actual Ac/Ft.	75,830

Month	Mean C.F.S.	Mean Ac/Ft.
APRIL	21	42
MAY	256	508
JUNE	299	592
JULY	307	609
AUGUST	270	536
SEPTEMBER	64	127
OCTOBER	28	56

FORMULAS - 2015

FORMULA FOR CALCULATING DUTIES

329,075	ACRE FEET FROM AFTERBAY
1,500	ACRE FEET GROUND WATER SUBSTITUTION
8,164	ACRE FEET AT SUNSET PUMPS
338,738	ACRE FEET TOTAL DIVERSIONS
4,025	ACRE FEET RETURNED TO RIVER AT COX SPILLWAY
334,714	TOTAL ACRE FEET USED

DUTIES ARE ESTIMATED BY USING THE RATIO OF:

2.5 TO 1, _____, FOR RICE

2.0 TO 1, _____, FOR PASTURE

1.0 TO 1, _____, FOR GENERAL CROPS

.02 TO 1, _____, FOR ONE FLOODING

THE ASSUMPTION IS THAT EVAPORATION AND
SEEPAGE (LINE LOSS) IS ONE PERCENT PER MILE

DUTY ON NON-ALLOTTED DIVERSIONS

DECOMP/DUCK WATER	DUTY
BIGGS-WEST GRIDLEY WATER DISTRICT	3.71
RICHVALE IRRIGATION DISTRICT	0.62
BUTTE WATER DISTRICT	-
SUTTER EXTENSION WATER DISTRICT	-
ONE FLOOD	
BIGGS-WEST GRIDLEY WATER DISTRICT (MAR)	1.91
BIGGS-WEST GRIDLEY WATER DISTRICT (NOV-JAN)	-
RICHVALE IRRIGATION DISTRICT	-
BUTTE WATER DISTRICT (NOV-JAN)	6.35
BUTTE WATER DISTRICT (MAR)	1.83
SUTTER EXTENSION WATER DISTRICT (NOV-JAN)	6.62
SUTTER EXTENSION WATER DISTRICT (MAR)	2.34
PASTURE	
BIGGS-WEST GRIDLEY WATER DISTRICT (NOV-JAN)	2.97
GENERAL ~ 31 ~	
BIGGS-WEST GRIDLEY WATER DISTRICT (NOV-JAN)	1.49

ACREAGES - 2015

CROPS	ACREAGES	ACRE FEET	DUTY
BIGGS-WEST GRIDLEY WATER DISTRICT			
RICE	13,199.03	78,681.04	5.96
PASTURE	873.56	4,165.92	4.77
GENERAL	1,562.60	3,725.94	2.38
ONE FLOOD	678.20	32.34	0.05
	16,313.39	86,605.24	5.31
RICHVALE IRRIGATION DISTRICT			
RICE	26,970.00	82,527.83	3.06
PASTURE	-	-	-
GENERAL	-	-	-
ONE FLOOD	-	-	-
	26,970.00	82,527.83	3.06
BUTTE WATER DISTRICT			
RICE	3,473.00	36,432.94	10.49
PASTURE	1,097.00	9,206.32	8.39
GENERAL	7,195.00	30,191.19	4.20
ONE FLOOD	-	-	-
	11,765.00	75,830.45	6.45
SUTTER EXTENSION WATER DISTRICT			
RICE	7,066.30	77,364.69	10.95
PASTURE	353.00	3,091.83	8.76
GENERAL	2,056.20	9,004.84	4.38
ONE FLOOD	3,295.50	288.64	0.09
	12,771.00	89,750.00	7.03

GENERAL SUMMARY - TOTAL ACRES IRRIGATED, WATER USED,
AND ESTIMATED DUTY - 2015

CROPS	ACRES	ACRE FEET	DUTY
RICE	50,708.33	275,006.50	5.42
PASTURE	2,323.56	16,464.07	7.09
GENERAL	10,813.80	42,921.97	3.97
ONE FLOOD	3,973.70	320.99	0.08
	67,819.39	334,713.52	4.94

CROPS	ACRES	% OF ACREAGE	% OF WATER
RICE	50,708.33	74.77%	82.16%
PASTURE	2,323.56	3.43%	4.92%
GENERAL	10,813.80	15.94%	12.82%
ONE FLOOD	3,973.70	5.86%	0.10%
	67,819.39	100.00%	100.00%

RICHVALE IRRIGATION DISTRICT - NON-ALLOTTED DIVERSIONS - 2015/2016

DATE	NOV.	DEC.	JAN. 2016
1	100	91	-
2	117	94	-
3	147	94	-
4	169	89	-
5	177	86	-
6	180	86	-
7	171	80	-
8	155	76	-
9	154	70	-
10	135	66	-
11	124	64	-
12	120	64	-
13	102	64	-
14	93	61	-
15	93	54	-
16	95	50	-
17	95	50	-
18	93	13	-
19	92	-	-
20	91	-	-
21	89	-	-
22	88	-	-
23	91	-	-
24	100	-	-
25	104	-	-
26	104	-	-
27	105	-	-
28	105	-	-
29	105	-	-
30	98	-	-
31		-	-
	3,491	1,252	-

Total C.F.S. 4,743
Total Ac/Ft. 9,408

Month	Mean C.F.S.	Mean Ac/Ft.
NOVEMBER	116	231
DECEMBER	40	80
JANUARY	-	-

BIGGS-WEST GRIDLEY WATER DISTRICT - NON-ALLOTTED DIVERSIONS - 2015/2016

DATE	MAR.	NOV.	DEC.	JAN. 2016
1	-	304	132	132
2	-	289	126	131
3	-	259	121	131
4	-	229	121	38
5	-	241	121	-
6	-	225	119	-
7	-	239	119	-
8	-	238	119	-
9	-	243	129	-
10	-	236	130	-
11	-	270	130	-
12	-	247	130	-
13	-	218	130	-
14	-	207	131	-
15	-	200	132	-
16	-	190	133	-
17	-	174	133	-
18	-	170	133	-
19	-	170	133	-
20	-	165	133	-
21	7	158	133	-
22	11	158	133	-
23	15	162	133	-
24	21	163	133	-
25	23	157	133	-
26	23	153	133	-
27	16	148	133	-
28	4	139	133	-
29	5	134	133	-
30	5	134	132	-
31	5		132	-
	136	6,022	4,016	432

	Total C.F.S. (Nov-Jan)	10,470
	Total Ac/Ft. (Nov-Jan)	20,767
	Total C.F.S. (March)	136
	Total Ac/Ft. (March)	269
Actual Ac/Ft = 1,980.00 Ac/Ft was wheeled to Gray Lodge	Actual C.F.S. (Nov-Jan)	9,472
via BWGWD and was supplied by USBR	Actual Ac/Ft. (Nov-Jan)	18,787

Month	Mean C.F.S.	Mean Ac/Ft.
MARCH	4	9
NOVEMBER	201	398
DECEMBER	130	257
JANUARY	14	28

SUTTER EXTENSION WATER DISTRICT - NON-ALLOTTED DIVERSIONS - 2015/2016

DATE	MAR.	NOV.	DEC.	JAN. 2016
1	-	111	-	-
2	-	147	-	-
3	-	154	-	-
4	-	149	-	-
5	-	158	-	-
6	-	161	-	-
7	-	169	-	-
8	-	169	-	-
9	-	180	-	-
10	-	189	-	-
11	-	192	-	-
12	-	186	-	-
13	-	176	-	-
14	-	178	-	-
15	-	185	-	-
16	-	203	-	-
17	-	221	-	-
18	110	184	-	-
19	151	185	-	-
20	256	129	-	-
21	229	107	-	-
22	232	111	-	-
23	241	39	-	-
24	232	-	-	-
25	229	-	-	-
26	207	-	-	-
27	199	-	-	-
28	185	-	-	-
29	178	-	-	-
30	98	-	-	-
31	73	-	-	-
	2,619	3,680	-	-

Total C.F.S. (Nov-Jan) 6,299
 Total Ac/Ft. (Nov-Jan) 12,495
 Total C.F.S. (March) 2,619
 Total Ac/Ft. (March) 5,195

Month	Mean C.F.S.	Mean Ac/Ft.
MARCH	84	168
NOVEMBER	123	243
DECEMBER	-	-
JANUARY	-	-

BUTTE WATER DISTRICT - NON-ALLOTTED DIVERSIONS - 2015/2016

DATE	MAR.	NOV.	DEC.	JAN. 2016
1	-	130	-	-
2	-	129	-	-
3	-	148	-	-
4	-	175	-	-
5	-	176	-	-
6	-	187	-	-
7	-	176	-	-
8	-	164	-	-
9	-	149	-	-
10	-	142	-	-
11	-	120	-	-
12	-	122	-	-
13	-	110	-	-
14	-	99	-	-
15	-	90	-	-
16	-	90	-	-
17	-	69	-	-
18	110	89	-	-
19	151	65	-	-
20	98	85	-	-
21	211	100	-	-
22	226	98	-	-
23	283	169	-	-
24	305	208	-	-
25	307	61	-	-
26	317	-	-	-
27	333	-	-	-
28	336	-	-	-
29	285	-	-	-
30	288	-	-	-
31	169	-	-	-
	3,418	3,152	-	-

Total C.F.S. (Nov-Jan) 6,570
 Total Ac/Ft. (Nov-Jan) 13,031
 Total C.F.S. (March) 3,418
 Total Ac/Ft. (March) 6,779

Month	Mean C.F.S.	Mean Ac/Ft.
MARCH	110	219
NOVEMBER	105	208
DECEMBER	-	-
JANUARY	-	-

COX SPILLWAY - NON-ALLOTTED DIVERSIONS - 2015/2016

DATE	NOV.	DEC.	JAN. 2016
1	-	-	-
2	-	-	-
3	-	-	-
4	-	-	-
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	-	-	-
21	-	-	-
22	-	-	-
23	-	-	-
24	-	-	-
25	-	-	-
26	-	-	-
27	-	-	-
28	-	-	-
29	-	-	-
30	-	-	-
31	-	-	-

Total C.F.S. -
Total Ac/Ft. -

Month	Mean C.F.S.	Mean Ac/Ft.
NOVEMBER	-	-
DECEMBER	-	-
JANUARY	-	-

RICHVALE IRRIGATION WATER DISTRICT - 5 YEAR SUMMARY

	2011	2012	2013	2014	2015	5 YEAR AVG.
ACREAGES						
RICE	29,025.84	20,548.00	25,239.70	19,577.00	26,970.00	24,272.11
PASTURE	7.00	10.00	15.00	10.00	-	8.40
GENERAL	-	-	-	-	-	-
ONE FLOOD	122.30	-	158.20	14,161.00	-	2,888.30
FALLOWED	-	5,459.25	-	6,373.50	-	2,366.55
TOTAL	29,155.14	26,017.25	25,412.90	40,121.50	26,970.00	29,535.36

	2011	2012	2013	2014	2015	5 YEAR AVG.
ACRE-FEET						
RICE	137,993.70	132,761.63	158,147.28	121,328.48	82,527.83	126,551.78
PASTURE	26.62	51.69	75.19	49.58	-	40.62
GENERAL	-	-	-	-	-	-
ONE FLOOD	4.65	-	7.93	702.10	-	142.94
FALLOWED	-	18,015.53	-	21,032.55	-	7,809.62
TOTAL	138,024.97	150,828.84	158,230.40	143,112.71	82,527.83	134,544.95

	2011	2012	2013	2014	2015	5 YEAR AVG.
DUTY						
RICE	4.75	6.46	6.27	6.20	3.06	5.21
PASTURE	3.80	5.17	5.01	4.96	-	4.84
GENERAL	-	-	-	-	-	-
ONE FLOOD	0.04	-	0.05	0.05	-	0.05
FALLOWED	-	3.30	-	3.30	-	3.30
TOTAL	4.73	5.80	6.23	3.57	3.06	4.56

BIGGS-WEST GRIDLEY WATER DISTRICT - 5 YEAR SUMMARY

	2011	2012	2013	2014	2015	5 YEAR AVG.
ACREAGES						
RICE	17,748.27	17,522.12	21,670.82	15,165.11	13,199.03	17,061.07
PASTURE	3,439.24	3,707.52	2,329.66	894.98	873.56	2,248.99
GENERAL	890.80	1,431.05	2,930.98	1,385.18	1,562.60	1,640.12
ONE FLOOD	98.00	263.04	-	172.20	678.20	242.29
FALLOWED	-	4,617.60	-	5,727.97	-	2,069.11
TOTAL	22,176.31	27,541.33	26,931.46	23,345.44	16,313.39	23,261.59

	2011	2012	2013	2014	2015	5 YEAR AVG.
ACRE-FEET						
RICE	139,586.00	124,802.90	142,281.53	102,742.60	78,681.04	117,618.82
PASTURE	21,639.06	21,125.72	12,236.46	4,850.74	4,165.92	12,803.58
GENERAL	2,802.37	4,077.11	7,697.44	3,753.80	3,725.94	4,411.33
ONE FLOOD	6.17	14.99	-	9.33	32.34	12.57
FALLOWED	-	15,238.08	-	18,902.30	-	6,828.08
TOTAL	164,033.60	165,258.80	162,215.43	130,258.78	86,605.24	141,674.37

	2011	2012	2013	2014	2015	5 YEAR AVG.
DUTY						
RICE	7.86	7.12	6.57	6.77	5.96	6.89
PASTURE	6.29	5.70	5.25	5.42	4.77	5.69
GENERAL	3.15	2.85	2.63	2.71	2.38	2.69
ONE FLOOD	0.06	0.06	-	0.05	0.05	0.05
FALLOWED	-	3.30	-	3.30	-	3.30
TOTAL	7.40	6.00	6.02	5.58	5.31	6.09

SUTTER EXTENSION WATER DISTRICT - 5 YEAR SUMMARY

	2011	2012	2013	2014	2015	5 YEAR AVG.
ACREAGES						
RICE	16,524.01	16,437.89	16,245.49	13,181.36	7,066.30	13,891.01
PASTURE	424.70	370.50	265.90	358.00	353.00	354.42
GENERAL	2,825.50	2,720.40	2,492.86	2,773.00	2,056.20	2,573.59
ONE FLOOD	527.00	691.10	595.10	574.00	3,295.50	1,136.54
FALLOWED	-	-	-	3,437.15	-	687.43
TOTAL	20,301.21	20,219.89	19,599.35	20,323.51	12,771.00	18,642.99

	2011	2012	2013	2014	2015	5 YEAR AVG.
ACRE-FEET						
RICE	122,781.56	127,965.05	141,355.58	109,926.24	77,364.69	115,878.62
PASTURE	2,524.58	2,307.40	1,850.92	2,388.44	3,091.83	2,432.64
GENERAL	8,397.94	8,471.07	8,676.37	9,250.20	9,004.84	8,760.08
ONE FLOOD	31.33	43.04	41.42	38.30	288.64	88.55
FALLOWED	-	-	-	11,342.60	-	2,268.52
TOTAL	133,735.42	138,786.56	151,924.30	132,945.77	89,750.00	129,428.41

	2011	2012	2013	2014	2015	5 YEAR AVG.
DUTY						
RICE	7.43	7.78	8.70	8.34	10.95	8.34
PASTURE	5.94	6.23	6.96	6.67	8.76	6.86
GENERAL	2.97	3.11	3.48	3.34	4.38	3.40
ONE FLOOD	0.06	0.06	0.07	0.07	0.09	0.08
FALLOWED	-	-	-	3.30	-	3.30
TOTAL	6.59	6.86	7.75	6.54	7.03	6.94

BUTTE WATER DISTRICT - 5 YEAR SUMMARY

	2011	2012	2013	2014	2015	5 YEAR AVG.
ACREAGES						
RICE	7,661.04	4,982.00	8,052.00	4,971.00	3,473.00	5,827.81
PASTURE	1,127.16	1,185.00	1,198.00	1,232.00	1,097.00	1,167.83
GENERAL	7,913.85	7,376.00	7,117.00	7,359.00	7,195.00	7,392.17
ONE FLOOD	50.10	-	-	-	-	10.02
FALLOWED	-	3,308.80	-	3,266.59	-	1,315.08
TOTAL	16,752.15	16,851.80	16,367.00	16,828.59	11,765.00	15,712.91

	2011	2012	2013	2014	2015	5 YEAR AVG.
ACRE-FEET						
RICE	55,320.54	45,988.08	69,923.06	58,720.92	36,432.94	53,277.11
PASTURE	6,511.40	8,750.84	8,322.69	11,642.60	9,206.32	8,886.77
GENERAL	22,858.43	27,234.69	24,721.43	34,771.86	30,191.19	27,955.52
ONE FLOOD	2.89	-	-	-	-	0.58
FALLOWED	-	10,919.04	-	10,779.75	-	4,339.76
TOTAL	84,693.26	92,892.65	102,967.18	115,915.12	75,830.45	94,459.73

	2011	2012	2013	2014	2015	5 YEAR AVG.
DUTY						
RICE	7.22	9.23	8.68	11.81	10.49	9.14
PASTURE	5.78	7.38	6.95	9.45	8.39	7.61
GENERAL	2.89	3.69	3.47	4.73	4.20	3.78
ONE FLOOD	0.06	-	-	-	-	0.06
FALLOWED	-	3.30	-	3.30	-	3.30
TOTAL	5.06	5.51	6.29	6.89	6.45	6.01