

**KILARC-COW CREEK HYDROELECTRIC PROJECT
FERC PROJECT NO. 606**

**Kilarc-Cow Creek Hydroelectric Project
FERC Project No. 606**

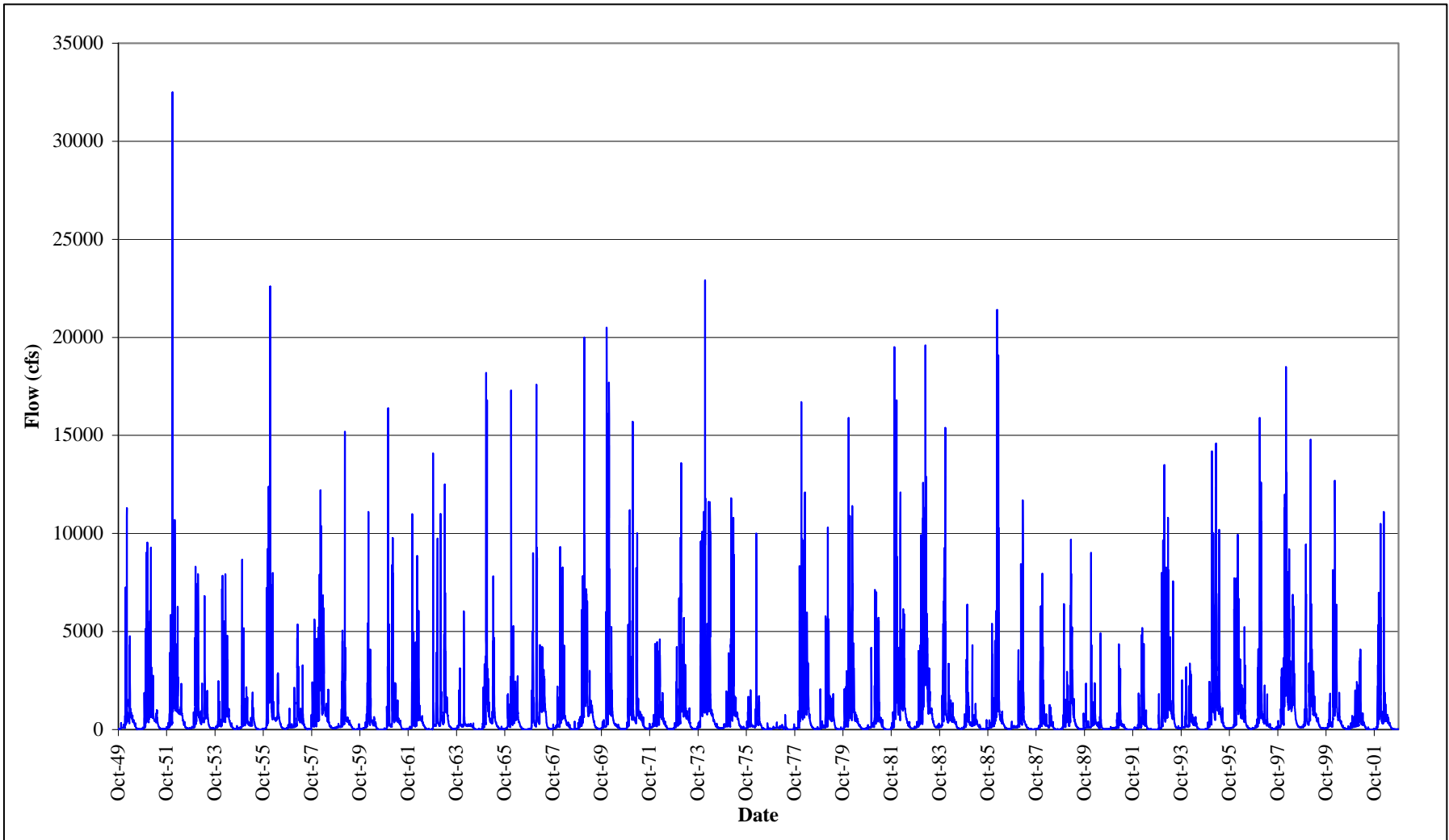
APPENDIX E

USGS STREAMFLOW DATA



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Cow Creek at Millville



Average Daily Flow for Cow Creek at Millville (1950-2002)



EXHIBIT E.1 Average Monthly Flow Cow Creek Near Millville, Water Years 1950-2002

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1950	37	98	111	1,248	1,860	1,115	682	448	170	37	20	27
1951	199	704	2,008	1,812	1,827	950	463	437	101	39	24	30
1952	102	610	2,716	2,694	2,431	1,466	883	897	353	117	56	64
1953	84	156	2,029	2,941	505	649	846	892	627	121	65	56
1954	91	362	341	1,528	1,311	1,527	1,259	357	163	45	47	61
1955	83	659	1,076	691	387	259	612	435	90	23	10	22
1956	45	589	3,227	4,367	1,268	658	532	1,121	310	91	50	56
1957	162	147	138	325	898	1,579	544	682	183	52	33	91
1958	365	620	1,064	2,111	4,570	2,114	1,762	695	459	148	77	73
1959	94	143	183	1,207	1,736	487	381	227	64	12	10	49
1960	41	60	104	565	1,830	1,005	320	304	66	8.9	2.3	10
1961	36	446	1,312	601	2,045	1,109	589	388	183	28	16	26
1962	57	294	1,237	480	2,045	1,193	497	284	97	18	14	17
1963	1,057	292	1,339	727	1,356	779	3,012	855	208	80	42	44
1964	103	746	191	825	252	201	221	192	110	18	7.0	18
1965	34	639	2,486	2,490	598	382	2,336	424	147	48	54	40
1966	53	509	449	1,778	1,150	843	805	265	72	16	5.0	14
1967	29	762	1,134	2,658	774	1,206	1,914	1,795	676	108	45	43
1968	94	124	421	1,363	2,511	1,055	394	235	92	17	64	31
1969	108	298	1,965	4,183	3,366	1,139	1,193	886	320	99	52	51
1970	127	174	2,729	5,593	1,185	1,118	314	196	118	43	27	35
1971	101	1,463	2,403	1,961	501	1,892	834	659	371	119	57	64
1972	107	201	554	710	959	1,167	653	276	113	33	23	35
1973	147	782	1,400	2,887	2,263	1,558	634	481	157	54	33	65
1974	154	2,441	2,604	4,289	1,370	2,998	1,544	604	288	146	82	64
1975	103	172	375	448	2,328	2,319	1,001	698	308	96	69	58
1976	229	238	329	153	893	617	498	178	52	14	52	38
1977	46	78	83	113	103	118	63	136	18	0.63	0.74	44

**Kilarc-Cow Creek Hydroelectric Project, FERC No. 606****Appendix E: USGS Streamflow Data****Average Monthly Flow. Cow Creek Near Millville, Water Years 1950-2002 (concluded)**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1978	43	169	1,293	3,026	2,164	2,514	2,052	569	176	57	30	62
1979	112	121	110	769	2,279	952	592	674	97	29	21	30
1980	213	616	1,602	2,731	2,650	1,351	512	340	163	56	33	51
1981	86	102	415	932	1,130	1,703	522	216	57	14	10	25
1982	156	2,539	3,268	1,812	2,514	1,968	1,937	609	250	136	65	81
1983	149	685	1,814	2,210	4,463	5,275	1,433	1,138	617	218	115	130
1984	146	1,041	3,929	786	981	690	516	417	198	63	47	48
1985	174	1,337	620	236	469	475	423	166	68	26	19	97
1986	114	332	686	1,288	4,634	2,741	492	432	137	56	35	96
1987	110	115	132	743	1,150	1,863	325	126	40	21	14	18
1988	32	104	1,100	1,593	249	251	302	343	152	25	15	14
1989	27	712	372	784	394	3,284	1,101	324	106	36	24	87
1990	274	142	113	1,160	453	731	216	554	315	34	16	22
1991	30	78	76	81	161	1,192	254	176	44	8.3	2.9	3.5
1992	19	58	165	256	1,511	643	312	54	13	10	1.7	3.2
1993	91	109	1,207	3,088	2,141	1,983	1,548	967	952	133	86	57
1994	223	140	520	309	1,289	461	277	277	64	12	5.5	12
1995	30	149	711	4,466	1,376	4,499	1,624	1,447	519	151	72	63
1996	70	106	875	1,777	2,469	1,179	1,064	1,031	243	89	46	60
1997	83	182	2,053	3,743	736	501	445	199	112	50	39	61
1998	124	621	796	4,625	5,636	2,078	1,669	2,375	1,386	324	148	120
1999	148	1,191	1,031	883	2,959	1,426	833	520	279	94	66	59
2000	89	318	265	1,688	2,945	1,733	669	326	125	61	30	67
2001	148	166	319	645	1091	696	325	136	36	19	12	18
2002	32	513	2530	1405	1090	725	483	301	94	24	15	16
Average	125	480	1,132	1,732	1,684	1,366	844	543	229	64	38	48
Max	1,057	2,539	3,929	5,593	5,636	5,275	3,012	2,375	1,386	324	148	130
Min	19	58	76	81	103	118	63	54	13	1	1	3



EXHIBIT E.2 Average Monthly Flow Exceedance. Cow Creek Near Millville, Water Years 1950-2000

Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5%	320	1,952	3,248	4,546	4,602	3,892	2,194	1,621	814	185	101	109
10%	223	1,191	2,716	4,289	3,366	2,741	1,914	1,121	617	146	77	91
25%	148	659	1,814	2,694	2,328	1,863	1,193	695	308	96	56	64
50%	101	294	875	1,363	1,370	1,167	612	432	157	48	33	49
75%	46	142	329	710	893	690	423	265	92	21	15	25
90%	30	98	111	256	387	382	277	166	44	12	5	14
95%	27	60	83	113	161	201	216	126	18	8	2	3



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1949 to Sept 1950												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	36	42	92	93	357	455	740	600	297	65	22	12
2	36	46	92	96	329	442	725	655	272	56	26	12
3	36	45	92	87	365	428	695	730	263	59	18	14
4	36	48	92	87	9,250	424	650	580	248	59	18	12
5	36	47	102	81	10,900	500	630	505	227	59	24	11
6	36	46	109	84	11,300	545	1,060	460	216	50	30	14
7	36	50	106	100	2,920	450	915	428	219	50	30	14
8	36	59	109	94	1,600	414	888	406	197	45	22	24
9	36	163	100	115	1,170	473	876	378	187	45	19	28
10	36	334	96	715	1,550	635	700	365	182	38	21	26
11	36	215	94	517	1,280	482	650	365	200	36	24	29
12	36	140	90	254	904	396	615	378	230	41	22	27
13	36	120	90	223	810	361	852	396	197	41	22	25
14	36	116	94	689	740	345	725	437	182	35	18	21
15	36	100	98	286	766	318	645	468	175	33	15	15
16	36	99	104	219	882	308	615	478	318	34	18	27
17	36	94	181	7,260	844	814	600	491	168	26	18	32
18	36	94	258	5,500	725	709	600	482	150	25	18	48
19	36	88	234	3,090	665	4,300	615	450	135	31	16	59
20	36	88	138	1,940	635	1,580	635	437	122	31	22	50
21	36	87	115	4,180	575	1,130	655	442	109	31	24	44
22	36	87	107	3,130	540	2,300	710	455	100	30	18	37
23	36	88	104	4,390	500	1,850	680	464	94	30	16	40
24	36	88	100	1,640	496	4,760	635	468	97	23	16	37
25	36	88	94	850	510	2,750	600	442	97	24	14	35
26	36	88	93	595	500	1,820	590	406	94	24	16	28
27	36	88	93	515	491	1,760	570	392	86	25	18	28
28	46	90	93	491	478	1,190	555	361	82	25	17	19
29	44	96	93	482		982	520	333	79	26	15	18
30	43	93	94	468		860	500	325	75	22	14	24
31	41		94	414		778		311		19	15	
Total	1,146	2,927	3,451	38,685	52,082	34,559	20,446	13,888	5,098	1,138	606	810
Mean	37	98	111	1,248	1,860	1,115	682	448	170	37	20	27
Max	46	334	258	7,260	11,300	4,760	1,060	730	318	65	30	59
Min	36	42	90	81	329	308	500	311	75	19	14	11
AC-FT	2,273	5,806	6,845	76,731	103,303	68,547	40,554	27,546	10,112	2,257	1,202	1,607



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1950 to Sept 1951												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	27	294	703	385	660	690	433	425	166	55	19	33
2	27	239	643	373	645	630	433	405	157	52	19	33
3	28	190	9,030	437	1,610	585	417	646	147	52	17	25
4	44	166	3,700	1,390	9,290	2,430	417	1,000	137	51	20	28
5	52	154	1,620	920	7,510	2,250	421	842	137	51	28	25
6	112	144	2,180	650	2,720	1,950	425	966	135	42	30	23
7	86	137	4,400	555	2,040	1,720	433	762	141	51	28	25
8	68	125	4,180	535	1,710	1,510	441	625	132	56	24	31
9	62	116	3,680	675	1,450	2,760	445	540	125	56	21	29
10	59	116	1,830	3,980	1,520	1,850	476	522	119	50	18	30
11	53	114	2,720	4,630	3,180	1,030	504	595	119	47	21	30
12	55	116	1,950	1,920	2,560	900	494	517	114	50	26	26
13	52	125	1,380	1,140	1,690	823	494	481	101	45	22	31
14	48	180	9,540	900	1,380	796	512	441	95	40	16	28
15	48	182	2,920	1,590	1,200	757	508	401	95	38	18	29
16	56	1,980	1,800	1,740	1,060	730	504	385	95	36	17	27
17	84	2,350	1,330	5,480	1,070	670	508	369	92	36	20	35
18	91	5,140	1,090	3,630	1,040	625	499	354	90	34	26	29
19	78	1,250	944	2,100	872	605	472	340	81	31	31	26
20	72	1,260	834	1,380	960	585	441	323	74	33	24	27
21	72	1,860	735	2,420	1,340	580	417	302	77	35	22	33
22	72	994	665	6,060	994	570	397	285	79	33	24	34
23	72	715	610	3,400	884	530	381	278	76	28	30	35
24	75	560	565	2,250	768	512	377	265	74	29	33	35
25	106	472	526	1,690	725	512	369	244	74	27	32	32
26	455	413	494	1,370	768	504	358	232	73	21	30	31
27	539	413	463	1,170	746	481	362	221	63	28	27	27
28	646	421	437	1,030	762	476	834	205	60	27	21	23
29	640	373	417	906		472	635	200	55	32	25	34
30	1,880	506	425	757		463	481	188	57	28	33	43
31	414		437	710		441		177		26	32	
Total	6,173	21,105	62,248	56,173	51,154	29,437	13,888	13,536	3,040	1,220	754	897
Mean	199	704	2,008	1,812	1,827	950	463	437	101	39	24	30
Max	1,880	5,140	9,540	6,060	9,290	2,760	834	1,000	166	56	33	43
Min	27	114	417	373	645	441	358	177	55	21	16	23
AC-FT	12,244	41,861	123,467	111,417	101,462	58,387	27,546	26,848	6,030	2,420	1,496	1,779



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1951 to Sept 1952												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	58	105	5,860	1,680	10,700	1,120	846	1,180	526	251	74	55
2	90	101	2,410	1,330	6,830	936	834	1,010	498	225	74	55
3	135	100	3,990	1,130	3,890	1,070	804	930	474	211	75	60
4	92	101	3,330	1,000	2,590	1,390	816	858	446	193	67	60
5	79	97	1,830	924	2,020	1,010	864	798	438	183	60	60
6	74	100	950	1,150	1,660	1,810	918	775	454	169	52	60
7	73	100	650	1,350	1,440	2,240	990	1,300	482	147	60	65
8	68	100	512	1,500	1,280	1,420	966	2,340	442	134	61	70
9	64	100	421	1,340	1,160	1,140	906	1,280	438	119	62	80
10	65	126	365	1,900	1,070	1,160	870	1,090	462	121	64	87
11	84	302	337	6,660	1,820	966	852	1,030	458	117	57	87
12	93	818	320	7,250	1,480	1,170	852	990	410	121	56	79
13	85	320	302	4,100	1,160	990	882	942	362	124	54	78
14	79	203	278	8,030	1,020	2,340	924	912	326	121	53	71
15	79	181	256	3,700	958	6,260	810	858	316	106	53	69
16	81	155	244	2,310	4,130	2,510	780	822	287	103	54	63
17	81	139	238	1,540	2,080	1,700	786	828	257	101	58	60
18	81	134	318	1,230	1,610	2,690	834	822	248	100	62	62
19	79	183	787	1,090	2,300	1,880	888	828	233	96	55	62
20	79	1,420	405	2,430	3,570	1,360	846	816	222	88	50	62
21	76	3,930	330	1,530	2,030	1,100	810	770	230	90	48	62
22	68	740	298	1,320	2,200	960	804	720	225	82	48	58
23	77	369	295	1,130	4,360	870	834	715	251	75	49	58
24	285	265	381	7,130	2,280	840	876	720	350	82	48	58
25	340	227	334	4,660	1,760	900	900	715	277	79	50	53
26	155	1,510	3,590	4,590	1,500	960	900	680	242	71	50	55
27	119	1,170	32,500	2,590	1,300	942	990	660	236	75	45	55
28	105	2,460	9,400	1,830	1,210	924	1,040	655	319	71	50	57
29	105	1,220	6,370	1,520	1,090	948	1,020	625	382	57	50	52
30	108	1,510	4,580	1,890	1,090	948	1,050	575	308	58	55	56
31	107		2,330	3,690		906		560		66	55	
Total	3,164	18,286	84,211	83,524	70,498	45,460	26,492	27,804	10,599	3,636	1,749	1,909
Mean	102	610	2,716	2,694	2,431	1,466	883	897	353	117	56	64
Max	340	3,930	32,500	8,030	10,700	6,260	1,050	2,340	526	251	75	87
Min	58	97	238	924	958	840	780	560	222	57	45	52
AC-FT	6,276	36,270	167,030	165,667	139,831	90,169	52,546	55,148	21,023	7,212	3,469	3,786



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1952 to Sept 1953												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	54	101	846	3,020	670	374	471	1,220	680	218	71	84
2	53	98	1,090	2,040	635	331	458	1,010	655	207	71	71
3	55	96	482	1,180	610	312	444	896	625	204	76	64
4	57	95	260	882	595	298	435	824	585	194	77	58
5	60	96	1,340	720	650	292	440	782	565	186	72	59
6	60	100	2,150	1,520	710	285	448	776	868	174	67	64
7	58	100	4,690	5,410	675	281	430	1,310	1,970	161	67	62
8	67	95	1,230	3,300	914	288	426	1,020	1,360	154	67	52
9	68	98	2,490	7,460	665	295	490	854	1,120	150	72	48
10	67	100	8,310	3,630	605	506	585	728	944	139	66	48
11	69	105	3,940	2,220	570	787	505	655	842	137	57	50
12	67	117	1,200	4,960	530	963	435	605	776	137	54	54
13	66	258	715	4,410	505	868	408	580	722	128	56	56
14	69	882	522	3,120	490	515	386	605	650	118	61	51
15	67	280	430	2,090	471	430	362	630	620	114	54	46
16	67	188	366	1,580	453	417	366	650	610	109	59	51
17	74	157	319	5,980	435	495	471	605	560	96	62	46
18	127	147	294	7,930	422	404	448	585	540	94	57	46
19	160	140	2,500	7,920	399	2,360	404	1,600	515	101	53	47
20	112	136	2,790	5,910	386	1,700	412	1,280	476	94	56	50
21	105	130	960	3,470	374	1,520	430	1,170	426	89	55	54
22	105	128	635	2,360	362	1,030	480	908	390	76	55	55
23	103	126	494	1,820	350	818	540	980	362	78	58	55
24	103	126	418	1,510	342	704	535	1,010	320	78	55	58
25	103	128	1,030	1,310	335	640	545	1,330	302	78	54	58
26	103	128	5,550	1,170	327	595	631	1,100	288	83	54	57
27	103	130	4,870	1,000	327	570	6,810	932	278	82	61	61
28	101	128	1,440	908	335	550	3,060	806	272	76	58	61
29	103	126	2,360	848		525	1,980	752	256	66	78	63
30	105	128	6,560	770		495	1,540	734	241	66	109	62
31	105		2,630	710		480		716		71	96	
Total	2,616	4,667	62,911	91,158	14,142	20,128	25,375	27,653	18,818	3,758	2,008	1,691
Mean	84	156	2,029	2,941	505	649	846	892	627	121	65	56
Max	160	882	8,310	7,930	914	2,360	6,810	1,600	1,970	218	109	84
Min	53	95	260	710	327	281	362	580	241	66	53	46
AC-FT	5,189	9,257	124,782	180,809	28,050	39,923	50,331	54,849	37,325	7,454	3,983	3,354



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1953 to Sept 1954												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	62	103	213	166	1,040	500	690	630	161	80	17	79
2	66	103	188	166	860	462	660	576	146	76	22	73
3	63	103	196	230	728	444	1,560	541	150	73	27	69
4	66	105	848	323	650	422	4,790	511	170	71	24	63
5	62	118	354	241	585	404	3,210	490	217	64	25	66
6	53	148	1,150	224	535	390	3,540	474	204	58	29	61
7	49	139	1,430	531	490	386	2,030	462	186	56	33	56
8	52	124	530	346	448	1,560	1,660	454	214	59	30	50
9	52	120	366	275	417	7,930	1,820	462	336	59	29	43
10	70	143	302	244	394	4,150	1,260	442	296	57	32	44
11	124	247	259	227	404	2,000	1,100	418	239	62	26	52
12	94	194	232	213	3,430	1,460	998	406	236	55	26	50
13	91	221	218	202	3,360	1,180	938	386	236	47	29	50
14	96	435	207	191	2,670	1,000	890	364	206	47	30	51
15	101	285	199	199	2,080	896	836	353	191	42	37	87
16	100	210	194	2,370	1,750	2,140	818	343	189	42	33	87
17	96	331	186	7,180	5,530	1,940	812	336	163	42	29	88
18	132	207	202	1,620	2,640	1,330	806	329	146	42	23	88
19	171	188	434	956	1,610	2,520	784	319	138	39	25	83
20	122	213	471	645	1,250	2,700	745	312	140	35	34	71
21	109	188	339	510	1,030	3,280	718	299	120	30	42	69
22	101	689	275	4,040	896	1,920	712	268	107	24	40	61
23	101	2,480	241	7,850	788	1,360	690	256	97	31	35	57
24	105	1,820	224	2,090	722	1,120	685	242	91	33	31	53
25	103	615	213	1,190	665	998	712	228	87	29	34	52
26	93	378	202	1,060	630	842	660	217	85	29	85	53
27	96	288	191	2,020	570	767	1,000	204	87	31	102	49
28	98	238	184	5,160	530	740	1,060	186	93	29	194	39
29	103	213	178	3,360		878	872	184	82	20	146	34
30	100	207	174	2,160		860	712	186	80	19	102	42
31	98		168	1,370		756		179		17	87	
Total	2,829	10,853	10,568	47,359	36,702	47,335	37,768	11,057	4,893	1,398	1,458	1,820
Mean	91	362	341	1,528	1,311	1,527	1,259	357	163	45	47	61
Max	171	2,480	1,430	7,850	5,530	7,930	4,790	630	336	80	194	88
Min	49	103	168	166	394	386	660	179	80	17	17	34
AC-FT	5,611	21,527	20,961	93,935	72,797	93,888	74,912	21,931	9,705	2,773	2,892	3,610



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1954 to Sept 1955												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	52	80	316	1,330	1,650	268	330	690	170	37	14	7.8
2	55	83	2,850	768	746	271	323	948	161	37	15	11
3	57	91	1,620	536	576	271	287	700	154	46	10	11
4	55	90	2,180	446	495	249	268	630	143	42	9.2	10
5	58	93	1,900	414	459	228	252	576	129	42	11	11
6	62	93	4,900	362	418	215	234	576	116	35	10	8.20
7	87	98	2,200	319	382	212	226	620	111	37	11	10
8	113	121	1,040	298	358	212	220	625	106	30	10	10
9	102	1,020	5,180	450	338	234	223	585	102	32	10	6.7
10	91	388	1,910	674	312	301	237	544	99	35	9.2	6.7
11	91	273	990	442	298	291	220	531	108	29	6.7	8.2
12	85	1,200	710	362	291	287	207	513	102	24	6.3	13
13	87	339	757	338	284	278	209	486	102	21	8.2	13
14	87	798	595	319	271	258	226	442	93	23	9.2	17
15	79	8,680	490	362	261	237	218	394	102	20	10	49
16	80	2,360	418	1,020	287	228	212	366	102	16	10	46
17	85	774	366	740	406	223	1,470	342	91	21	6.9	46
18	80	486	334	2,170	338	218	845	319	86	20	6.1	47
19	91	370	308	1,830	287	209	640	334	76	14	8.9	32
20	120	305	287	1,260	271	204	790	346	61	10	8.2	28
21	106	268	274	872	261	196	1,900	354	49	13	10	26
22	98	243	268	730	252	194	1,720	350	46	14	10	25
23	88	226	261	752	240	192	984	319	53	16	13	24
24	87	209	255	650	231	189	768	298	52	20	11	29
25	87	202	246	590	228	184	960	278	50	12	10	30
26	85	192	231	549	234	186	1,030	255	52	10	10	28
27	79	182	215	486	350	196	695	231	48	13	12	25
28	85	174	212	438	312	337	610	220	43	10	14	23
29	88	170	223	406		605	1,130	209	40	13	7.3	23
30	80	168	237	508		495	918	204	44	14	6.5	23
31	77		1,570	1,010		362		186		15	7.3	
Total	2,577	19,776	33,343	21,431	10,836	8,030	18,352	13,471	2,691	721	300	647
Mean	83	659	1,076	691	387	259	612	435	90	23	10	22
Max	120	8,680	5,180	2,170	1,650	605	1,900	948	170	46	15	49
Min	52	80	212	298	228	184	207	186	40	10	6.1	6.7
AC-FT	5,111	39,225	66,135	42,508	21,493	15,927	36,401	26,719	5,338	1,430	595	1,284



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1955 to Sept 1956												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	28	54	364	2,470	1,190	956	514	550	532	143	48	46
2	30	54	398	1,960	1,080	872	482	540	500	137	51	44
3	26	58	305	1,440	1,000	836	464	586	482	130	58	49
4	28	65	291	2,000	938	1,430	447	1,530	478	128	60	48
5	32	72	2,580	2,810	884	1,260	447	2,390	442	128	60	39
6	24	77	9,210	2,040	818	878	451	2,820	421	120	58	43
7	26	71	1,420	6,320	767	784	455	2,600	401	114	58	45
8	33	67	1,160	3,910	718	745	464	1,640	384	114	51	46
9	36	64	3,370	2,340	680	706	451	1,310	376	112	53	41
10	44	61	1,060	3,370	655	660	486	1,840	364	99	48	46
11	55	65	701	2,320	635	625	532	2,880	349	88	48	39
12	50	71	568	1,510	620	586	554	1,500	326	88	48	48
13	43	93	468	4,150	600	576	581	1,190	307	94	52	52
14	41	124	401	15,000	576	558	563	1,020	318	108	46	56
15	40	126	345	22,600	550	536	518	908	329	108	45	56
16	40	152	800	5,980	509	522	491	848	296	95	46	52
17	38	168	4,000	3,500	522	518	491	818	269	84	44	59
18	37	264	6,000	2,770	514	518	478	794	253	71	51	62
19	43	629	9,000	2,740	550	518	504	842	272	71	51	85
20	53	7,230	5,400	6,060	758	518	532	812	293	79	52	94
21	49	3,350	3,500	4,270	2,500	518	568	800	262	76	55	85
22	49	635	8,880	7,400	8,000	518	568	772	237	77	55	74
23	52	1,030	12,400	5,300	3,230	518	605	767	222	68	52	68
24	49	1,120	4,330	3,360	1,920	532	645	723	205	62	45	65
25	48	567	2,790	4,430	1,640	554	635	675	194	53	49	56
26	67	378	8,000	4,890	1,430	563	650	660	180	55	45	56
27	68	312	5,000	3,180	1,220	536	625	625	170	60	46	58
28	67	268	2,570	2,410	1,100	514	605	581	146	62	49	60
29	64	234	1,840	1,890	1,160	504	581	563	143	62	46	64
30	62	212	1,520	1,600		514	558	600	135	64	44	56
31	61		1,360	1,360		536		572		56	48	
Total	1,383	17,671	100,031	135,380	36,764	20,409	15,945	34,756	9,286	2,806	1,562	1,692
Mean	4.6	589	3,227	4,367	1,268	658	532	1,121	310	91	50	56
Max	68	7,230	12,400	22,600	8,000	1,430	650	2,880	532	143	60	94
Min	24	54	291	1,360	509	504	447	540	135	53	44	39



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1956 to Sept 1957												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	60	285	121	116	162	1,240	722	376	380	85	30	39
2	56	271	118	116	183	1,060	550	546	348	82	30	39
3	53	205	118	113	171	1,750	518	514	317	75	37	30
4	58	183	276	113	165	5,360	478	416	286	64	41	27
5	64	174	264	111	162	5,090	456	380	269	60	44	22
6	64	165	177	113	159	4,850	444	362	246	60	42	31
7	65	156	148	113	165	2,590	420	356	240	65	33	33
8	71	154	129	118	244	1,780	400	373	226	66	30	33
9	76	151	129	118	274	1,530	392	392	246	59	34	29
10	84	148	129	113	231	1,170	376	388	265	60	32	23
11	225	145	137	126	214	1,120	362	384	223	53	36	30
12	160	145	142	1,090	218	2,200	362	352	200	56	40	32
13	122	137	148	2,140	214	1,300	400	345	190	55	36	36
14	114	131	156	526	278	1,030	1,060	356	184	57	33	39
15	110	134	145	422	240	1,920	610	345	180	50	27	35
16	104	131	137	338	224	3,220	492	306	167	44	30	33
17	103	129	134	247	211	1,810	523	292	157	39	27	40
18	106	129	129	211	198	1,270	710	2,110	141	43	27	41
19	120	118	129	198	198	1,030	926	3,290	131	49	27	38
20	116	118	124	602	195	854	1,060	1,590	124	47	28	39
21	108	121	124	564	701	764	764	1,360	124	48	30	41
22	103	124	121	398	1,380	656	640	1,030	120	50	32	39
23	108	124	118	338	1,300	590	580	866	114	45	34	40
24	132	124	116	319	4,120	550	541	764	108	37	33	33
25	122	121	116	300	4,660	532	492	674	94	35	32	31
26	139	118	116	247	3,150	500	460	610	83	37	30	46
27	364	118	116	174	3,970	469	428	550	85	39	34	761
28	197	118	116	198	1,760	469	404	500	80	40	29	591
29	162	121	116	168		722	384	474	80	43	33	289
30	1,080	121	113	165		854	380	444	89	42	32	184
31	566		116	165		674		408		33	33	
Total	5,012	4,419	4,278	10,080	25,147	48,954	16,334	21,153	5,497	1,618	1,016	2,724
Mean	162	147	138	325	898	1,579	544	682	183	52	33	91
Max	1,080	285	276	2,140	4,660	5,360	1,060	3,290	380	85	44	761
Min	53	118	113	111	159	469	362	292	80	33	27	22
AC-FT	9,941	8,765	8,485	19,993	49,878	97,099	32,398	41,956	10,903	3,209	2,015	5,403



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1957 to Sept 1958												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	226	164	189	635	1,980	1,740	6,180	700	449	221	98	66
2	177	155	186	1,450	3,770	1,500	5,520	710	416	249	103	54
3	172	153	181	870	5,540	1,340	4,140	730	509	226	101	54
4	157	148	181	674	5,790	1,200	2,860	730	441	205	91	59
5	367	146	184	575	3,860	1,100	3,790	730	392	187	82	61
6	366	148	178	516	2,450	1,030	4,830	725	371	180	80	61
7	370	148	175	476	3,300	946	2,380	710	367	167	80	67
8	243	148	173	454	3,100	946	1,710	710	432	153	86	71
9	240	148	170	432	3,500	862	1,400	705	2,040	144	86	78
10	519	155	165	3,540	3,080	817	1,240	725	670	146	83	77
11	303	206	162	2,630	2,510	778	1,170	1,050	545	137	74	71
12	223	177	162	5,210	12,200	756	1,120	1,310	915	137	71	78
13	2,420	5,620	160	2,930	3,860	1,050	1,040	898	650	131	67	83
14	1,360	5,260	162	1,480	6,570	1,440	1,040	784	522	122	71	77
15	482	1,140	239	1,290	7,500	1,740	1,020	740	461	131	68	70
16	334	674	2,940	1,040	6,270	1,130	1,000	720	416	120	72	67
17	265	498	4,010	822	3,690	1,200	1,070	710	389	135	86	70
18	231	424	2,720	690	4,550	958	1,130	700	360	153	88	66
19	206	392	1,350	613	8,870	839	1,050	680	367	135	76	64
20	187	349	2,220	565	3,760	3,450	1,020	665	403	124	74	66
21	180	309	4,640	516	2,540	5,630	1,010	630	335	116	72	64
22	172	278	2,250	467	2,040	6,850	1,010	620	311	120	72	68
23	192	258	1,210	662	2,340	3,990	916	690	302	170	71	112
24	420	246	940	5,100	10,400	3,740	839	670	298	153	74	101
25	289	237	738	3,000	6,370	4,260	790	590	282	146	71	89
26	253	225	912	6,040	3,500	2,150	751	558	238	140	66	83
27	217	211	702	2,240	2,550	1,660	725	527	224	124	63	77
28	200	205	2,570	4,950	2,060	1,430	705	483	221	114	64	80
29	187	200	1,420	7,910		3,650	700	466	221	114	67	74
30	174	192	947	4,590		4,770	690	445	224	107	68	70
31	172		744	3,060		2,590		436		96	67	
Total	11,304	18,614	32,980	65,427	127,950	65,542	52,846	21,547	13,771	4,603	2,392	2,178
Mean	365	620	1,064	2,111	4,570	2,114	1,762	695	459	148	77	73
Max	2,420	5,620	4,640	7,910	12,200	6,850	6,180	1,310	2,040	249	103	112
Min	157	146	160	432	1,980	756	690	436	221	96	63	54
AC-FT	22,421	36,920	65,415	129,772	253,785	130,001	104,818	42,738	27,314	9,130	4,744	4,320



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1958 to Sept 1959												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	65	107	124	170	480	650	526	364	114	17	5.0	19
2	65	116	126	163	411	632	506	356	110	15	6.0	13
3	66	116	124	156	582	610	510	321	107	8.8	5.0	9.2
4	65	121	126	149	341	601	506	297	101	18	4.0	6.5
5	72	118	126	1,400	325	560	506	280	99	28	3.0	12
6	69	112	126	2,450	302	547	486	271	114	25	4.0	17
7	76	112	128	1,540	292	526	458	256	114	16	3.0	17
8	74	112	128	1,710	275	510	438	240	103	15	2.5	16
9	67	116	135	4,520	272	494	418	228	95	15	2.7	14
10	65	288	133	1,390	382	478	406	231	93	14	2.5	14
11	72	179	128	1,120	992	458	398	217	82	22	2.3	9.2
12	77	149	124	5,060	611	450	379	203	73	17	2.7	10
13	81	145	124	2,190	458	454	375	203	71	18	3.5	10
14	81	222	126	928	501	438	353	228	71	12	5.6	14
15	81	179	124	635	1,540	426	342	268	62	4.7	6.2	22
16	81	156	124	501	15,200	422	328	237	59	6.5	7.4	29
17	83	145	124	411	3,770	418	317	237	58	12	7.4	18
18	138	147	124	360	2,490	414	297	234	54	14	5.9	136
19	156	154	124	315	3,130	410	283	217	51	9.2	8.3	290
20	149	156	126	288	3,520	398	271	192	28	10	10	146
21	118	149	156	267	4,180	398	259	179	31	9.0	36	109
22	118	145	168	253	2,480	422	259	187	31	8.0	26	85
23	114	142	140	244	1,680	458	259	217	27	7.0	31	73
24	112	138	147	374	1,160	478	265	211	22	6.0	23	71
25	116	135	230	2,500	965	418	287	195	16	6.0	14	65
26	114	133	256	1,210	827	502	458	187	23	7.0	10	62
27	114	131	1,050	1,880	751	458	458	184	33	6.0	5.6	55
28	107	126	370	2,820	690	422	394	171	35	5.0	6.5	51
29	107	126	250	1,070		422	356	157	27	4.0	14	41
30	105	126	199	762		623	342	141	22	3.0	17	41
31	109		179	577		614		126		4.0	20	
Total	2,917	4,301	5,669	37,413	48,607	15,111	11,440	7,035	1,926	362	300	1,475
Mean	94	143	183	1,207	1,736	487	381	227	64	12	10	49
Max	156	288	1,050	5,060	15,200	650	526	364	114	28	36	290
Min	65	107	124	149	272	398	259	126	16	3.0	2.3	6.5
AC-FT	5,786	8,531	11,244	74,208	96,411	29,972	22,691	13,954	3,820	718	595	2,925



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1959 to Sept 1960												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	40	46	74	92	5,440	232	393	325	165	17	5.6	1.8
2	42	46	78	87	2,260	224	367	645	151	12	3.8	1.8
3	40	49	75	87	2,260	278	360	500	135	12	2.8	1.9
4	40	51	68	87	2,180	2,200	356	550	111	20	3.4	10
5	38	51	67	87	2,230	3,800	342	432	96	18	2.2	14
6	35	50	68	94	1,400	2,440	339	378	93	15	1.6	12
7	36	49	72	97	9,910	4,080	332	397	88	12	1.6	11
8	40	51	74	317	11,100	2,500	328	382	122	11	1.6	8.4
9	58	58	81	298	3,440	1,450	308	346	109	13	2.1	7.8
10	59	54	80	246	3,010	1,040	311	318	86	11	1.6	11
11	58	56	78	800	1,520	840	315	305	83	13	1.4	13
12	47	57	87	644	1,030	1,230	311	295	75	12	1.4	12
13	28	62	94	255	1,030	1,600	276	286	67	12	1.4	12
14	31	60	89	225	740	886	279	252	52	16	2.9	8.8
15	31	59	92	262	615	730	270	232	55	14	1.9	7.8
16	33	58	90	208	522	635	246	210	54	12	1.9	4.2
17	31	60	89	181	457	572	235	202	44	4.2	1.9	5.9
18	33	64	89	168	509	545	229	184	41	6.1	2.1	10
19	35	62	89	160	479	504	232	182	42	3.6	1.4	12
20	35	64	89	162	389	483	215	180	40	2.9	1.2	11
21	40	64	92	324	349	466	205	213	32	2.9	1.2	9.2
22	56	66	90	2,390	325	457	205	192	31	2.5	1.1	11
23	51	66	106	1,000	298	449	325	200	28	2.4	1.1	11
24	50	67	225	591	286	445	374	372	24	3.2	1.3	16
25	44	66	384	1,210	276	436	382	342	22	6.8	1.6	17
26	45	69	173	834	267	441	378	332	29	7.3	4.5	16
27	47	71	127	1,060	258	436	504	286	30	3.4	3.8	12
28	39	72	115	2,610	246	461	457	252	26	3.1	3.1	10
29	39	72	104	858	235	405	389	235	24	2.6	5.0	7.5
30	41	69	99	1,400		432	342	215	21	1.8	2.9	4.7
31	41		96	683		453		187		2.1	1.9	
Total	1,283	1,789	3,234	17,517	53,061	31,150	9,605	9,427	1,976	275	71	290
Mean	41	60	104	565	1,830	1,005	320	304	66	8.9	2.3	10
Max	59	72	384	2,610	11,100	4,080	504	645	165	20	5.6	17
Min	28	46	67	87	235	224	205	180	21	1.8	1.1	1.8
AC-FT	2,545	3,548	6,415	34,744	105,245	61,785	19,051	18,698	3,919	545	141	576



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1960 to Sept 1961												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10	44	16,400	195	2,840	408	751	457	328	49	22	16
2	13	45	3,320	184	4,270	401	715	453	461	46	15	17
3	18	44	1,670	177	2,590	386	715	408	393	45	16	16
4	18	41	844	172	1,500	371	725	389	367	49	12	15
5	20	48	580	167	1,100	436	710	371	332	48	12	12
6	65	54	442	165	952	509	670	412	308	45	14	11
7	64	62	354	165	892	412	630	496	292	45	12	16
8	54	83	315	174	1,020	606	590	424	279	48	11	23
9	44	78	285	195	9,770	1,270	558	397	255	45	11	16
10	40	75	260	230	3,490	904	536	457	241	43	17	16
11	44	83	248	189	7,960	762	514	572	227	37	17	18
12	42	195	227	172	2,680	620	540	509	214	33	20	20
13	41	1,170	216	167	1,790	554	532	449	185	33	26	18
14	39	731	205	160	2,270	713	487	412	164	32	18	21
15	33	305	222	157	3,220	2,370	449	389	151	26	17	29
16	29	187	1,440	150	2,040	1,160	428	371	145	28	12	34
17	27	160	5,370	148	1,430	2,260	441	360	125	26	12	59
18	28	603	2,580	146	1,140	1,140	445	353	110	15	12	53
19	31	312	1,300	141	958	1,300	424	356	105	12	13	44
20	30	195	802	139	839	1,880	389	371	99	12	16	39
21	31	167	595	137	751	1,090	401	374	96	15	21	40
22	31	153	486	134	680	916	532	356	89	17	18	37
23	32	146	404	144	605	922	1,500	335	87	20	16	30
24	37	200	351	157	563	2,320	915	308	80	17	16	31
25	37	3,210	315	144	527	1,900	680	292	70	12	18	35
26	40	3,110	289	148	487	2,350	545	325	67	10	14	25
27	45	859	263	273	457	2,180	483	349	58	7.3	17	18
28	45	379	242	273	428	1,430	449	298	56	11	20	23
29	42	249	225	2,030		1,080	453	279	51	10	26	25
30	39	391	211	3,380		922	474	328	51	18	18	24
31	45		205	8,410		817		371		25	21	
Total	1,114	13,379	40,666	18,623	57,249	34,389	17,681	12,021	5,486	879	510	781
Mean	36	446	1,312	601	2,045	1,109	589	388	183	28	16	26
Max	65	3,210	16,400	8,410	9,770	2,370	1,500	572	461	49	26	59
Min	10	41	205	134	428	371	389	279	51	7.3	11	11
AC-FT	2,210	26,537	80,660	36,938	113,552	68,210	35,070	23,843	10,881	1,744	1,012	1,549



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1961 to Sept 1962												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	28	85	11,000	237	221	1,580	500	387	180	44	12	11
2	26	89	3,560	224	212	2,610	510	392	172	38	8.4	11
3	25	87	1,320	215	206	1,420	505	392	170	27	6.5	9.4
4	30	85	760	206	201	1,130	495	387	165	27	10	13
5	26	82	570	201	198	4,280	505	369	149	24	17	10
6	20	80	441	193	218	6,050	505	360	138	25	13	10
7	21	80	369	190	1,700	2,720	515	356	124	22	16	9.4
8	25	80	324	187	2,320	1,660	535	351	120	23	27	11
9	29	82	291	187	5,490	1,240	550	378	116	24	32	16
10	29	85	261	180	4,090	980	520	346	111	17	44	12
11	43	85	234	177	2,800	836	490	315	107	18	31	13
12	84	82	228	185	2,290	720	490	295	98	13	22	7.8
13	75	78	218	187	8,850	645	500	311	93	13	18	11
14	55	73	215	172	5,500	600	520	291	109	16	14	14
15	49	70	209	168	6,800	580	575	283	111	16	6.5	16
16	46	70	201	165	3,000	590	540	261	107	18	3.4	18
17	48	75	356	163	2,080	640	515	237	96	14	5.7	17
18	45	85	461	175	2,400	525	490	254	85	13	10	12
19	45	90	4,960	4,460	1,890	490	510	261	74	12	16	7.5
20	48	118	4,940	2,890	1,320	515	515	250	72	18	15	11
21	77	110	2,520	841	1,060	515	436	224	58	18	9.4	16
22	70	106	1,140	480	872	1,230	423	221	53	18	6.2	21
23	65	120	760	436	760	891	423	228	55	16	7.8	22
24	65	150	595	396	685	690	432	218	54	13	10	18
25	64	2,450	495	360	605	625	428	212	54	10	9.4	20
26	70	1,310	418	328	515	585	414	221	49	7.8	16	20
27	101	657	360	291	465	550	441	218	48	7.8	4.1	22
28	158	325	320	264	500	540	705	204	47	5.7	7.5	34
29	114	1,110	295	250	525	505	201	201	42	14	9.1	43
30	94	824	272	234	515	423	201	201	50	14	6.2	45
31	89		250	224		495		190		12	9.4	
Total	1,764	8,823	38,343	14,866	57,248	36,972	14,915	8,814	2,907	558	423	501
Mean	57	294	1,237	480	2,045	1,193	497	284	97	18	14	17
Max	158	2,450	11,000	4,460	8,850	6,050	705	392	180	44	44	45
Min	20	70	201	163	198	490	414	190	42	5.7	3.4	7.5
AC-FT	3,499	17,500	76,052	29,486	113,550	73,333	29,583	17,482	5,766	1,107	838	993



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1962 to Sept 1963												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	38	199	318	325	7,390	388	2,060	900	412	129	35	48
2	32	196	3,460	311	3,810	371	1,300	867	354	127	40	43
3	41	194	3,950	305	3,160	359	1,060	952	312	119	41	35
4	43	192	1,210	298	2,040	340	881	958	300	123	48	35
5	39	192	806	279	1,580	332	3,730	893	296	119	46	36
6	39	189	630	267	1,250	325	12,500	874	278	115	42	39
7	40	187	536	258	1,050	322	12,400	1,650	260	115	39	42
8	48	185	466	255	958	311	4,990	1,650	243	113	42	40
9	64	189	416	249	874	311	3,690	1,620	237	96	48	34
10	920	230	386	241	895	293	3,700	1,300	224	85	53	32
11	3,330	216	356	224	860	284	3,090	1,290	221	83	50	39
12	14,100	204	335	192	1,040	274	2,240	1,110	203	83	48	41
13	4,270	199	325	209	1,930	297	2,280	990	192	81	40	45
14	3,800	196	322	216	1,590	280	6,970	926	200	86	35	43
15	1,100	192	3,340	214	1,070	307	4,120	854	192	80	33	48
16	660	189	3,870	212	944	379	2,670	797	178	74	41	39
17	491	185	9,750	206	1,190	426	2,070	767	184	66	34	35
18	408	185	2,940	204	839	426	1,790	743	166	70	34	40
19	356	182	1,510	194	739	363	3,960	719	154	76	35	49
20	322	182	1,070	192	714	348	2,120	701	154	70	37	66
21	295	180	844	194	660	329	1,660	725	149	59	39	60
22	276	180	710	194	584	314	2,400	684	154	59	36	53
23	258	180	620	194	539	516	1,400	634	168	56	40	58
24	246	178	532	189	500	887	1,210	612	161	58	49	53
25	238	178	483	189	476	472	1,120	563	149	58	52	55
26	235	1,290	445	185	448	400	1,140	520	140	58	50	50
27	227	1,380	412	182	422	2,150	1,050	480	136	50	46	40
28	222	554	393	182	404	4,850	958	450	136	50	43	43
29	214	405	371	199		1,750	912	421	151	50	41	48
30	209	342	353	4,980		1,630	893	416	138	45	42	43
31	204		342	11,000		4,110		435		34	43	
Total	32,765	8,750	41,501	22,539	37,956	24,144	90,364	26,501	6,242	2,487	1,302	1,332
Mean	1,057	292	1,339	727	1,356	779	3,012	855	208	80	42	44
Max	14,100	1,380	9,750	11,000	7,390	4,850	12,500	1,650	412	129	53	66
Min	32	178	318	182	404	274	881	416	136	34	33	32
AC-FT	64,988	17,355	82,316	44,705	75,285	47,889	179,234	52,564	12,381	4,933	2,582	2,642



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1963 to Sept 1964												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	41	121	246	181	440	205	270	248	116	30	11	34
2	40	123	230	181	396	261	293	242	114	27	7.6	45
3	41	131	215	173	359	211	252	277	108	28	12	38
4	41	277	206	168	336	197	242	304	108	31	10	31
5	46	367	200	163	322	191	239	255	112	33	9.2	27
6	55	470	192	161	300	185	230	233	114	30	7.0	25
7	62	385	186	163	287	183	220	211	154	22	7.0	19
8	62	1,050	181	156	277	174	208	211	160	19	7.6	19
9	66	2,010	200	156	270	174	217	211	261	20	12	17
10	86	640	195	173	267	172	227	208	322	21	12	16
11	149	336	176	163	261	174	227	191	224	17	7.6	18
12	168	256	176	159	248	270	236	183	174	17	8.2	18
13	123	240	176	161	242	255	230	199	150	18	7.0	19
14	115	1,380	173	184	236	227	233	202	137	16	5.3	14
15	109	1,410	168	173	248	199	242	191	122	14	3.7	11
16	105	590	166	171	245	188	248	191	112	15	4.8	7.6
17	103	385	163	513	230	183	242	191	106	15	6.5	10
18	99	308	161	1,140	214	177	236	183	90	14	8.7	12
19	101	1,530	161	3,010	205	174	217	180	89	18	6.5	16
20	103	1,890	250	6,040	199	174	208	174	82	17	4.4	17
21	107	580	243	3,170	199	180	208	164	78	12	6.1	12
22	113	394	195	1,690	199	202	197	157	73	12	5.7	7.0
23	209	3,130	178	1,200	197	230	202	150	52	10	7.0	4.8
24	168	1,820	173	993	197	217	197	137	46	13	5.3	4.1
25	142	767	168	1,240	188	227	185	134	26	14	2.9	5.7
26	131	510	166	986	185	205	183	141	37	13	2.0	9.2
27	123	398	168	764	185	199	183	157	34	13	2.0	16
28	119	328	197	621	183	194	177	188	42	10	2.9	17
29	123	289	227	539	191	197	191	160	38	13	5.3	18
30	127	263	197	515		199	202	148	33	17	8.2	19
31	123		186	467		197		128		13	11	
Total	3,200	22,378	5,919	25,574	7,306	6,221	6,642	5,949	3,314	562	216	526
Mean	103	746	191	825	252	201	221	192	110	18	6.98	18
Max	209	3,130	250	6,040	440	270	293	304	322	33	12	45
Min	40	121	161	156	183	172	177	128	26	10	2.0	4.1
AC-FT	6,347	44,386	11,740	50,725	14,491	12,339	13,174	11,800	6,573	1,114	429	1,044



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1964 to Sept 1965												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17	99	2,130	1,660	752	408	470	881	225	78	49	38
2	18	317	1,590	1,480	722	384	2,220	790	213	77	44	32
3	17	224	951	4,420	668	380	920	714	207	72	37	22
4	17	137	574	7,120	644	376	680	655	198	72	35	31
5	13	114	422	16,800	1,400	373	596	610	198	66	38	40
6	11	124	336	7,780	1,320	362	4,500	574	195	57	37	42
7	16	99	290	3,790	836	356	1,710	544	186	51	40	43
8	22	135	267	2,330	746	348	4,150	515	189	49	42	42
9	24	1,840	264	1,770	680	345	7,820	476	172	47	36	41
10	24	2,160	352	1,540	626	345	3,680	448	161	45	37	40
11	26	2,170	1,400	3,100	590	345	2,330	426	161	52	51	39
12	24	1,990	627	1,900	560	428	1,530	413	150	51	160	41
13	19	520	448	1,490	540	384	1,340	404	138	42	117	41
14	22	300	375	1,300	525	356	1,290	404	148	43	83	38
15	26	211	348	1,220	505	345	1,800	392	172	43	68	37
16	24	172	307	1,180	475	342	4,390	371	145	41	58	36
17	23	152	270	1,090	456	338	2,130	359	156	43	44	36
18	25	139	258	1,050	448	331	4,690	352	175	39	78	37
19	20	132	3,760	1,020	432	320	4,140	348	148	41	60	44
20	21	126	1,860	997	424	317	3,000	356	128	39	47	41
21	24	122	5,060	969	420	314	3,720	356	116	38	53	36
22	29	134	18,200	908	416	317	2,520	371	112	37	58	42
23	28	132	7,500	1,820	396	320	1,920	340	94	38	56	40
24	30	128	4,580	2,600	384	338	1,620	304	93	35	53	37
25	31	403	4,180	1,600	380	328	1,400	284	94	38	51	37
26	33	741	5,780	1,330	380	366	1,270	270	98	41	50	45
27	42	383	3,850	1,140	560	938	1,170	258	98	43	47	55
28	73	3,340	3,110	1,040	470	550	1,090	245	91	44	45	52
29	130	1,770	2,790	955	420	420	1,040	239	74	39	42	47
30	124	856	2,790	908	388	388	958	230	74	40	37	42
31	103		2,410	878		384		230		45	33	
Total	1,056	19,170	77,079	77,185	16,755	11,846	70,094	13,159	4,409	1,486	1,686	1,194
Mean	34	639	2,486	2,490	598	382	2,336	424	147	48	54	40
Max	130	3,340	18,200	16,800	1,400	938	7,820	881	225	78	160	55
Min	11	99	258	878	380	314	470	230	74	35	33	22
AC-FT	2,095	38,023	152,884	153,094	33,233	23,496	139,029	26,100	8,745	2,947	3,344	2,368



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1965 to Sept 1966												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	40	78	260	883	1,600	625	608	390	144	18	8.5	10
2	42	70	218	560	918	549	640	375	146	18	8.4	9.2
3	43	72	202	1,270	883	485	659	369	139	25	8.4	10
4	44	73	192	13,600	3,450	448	661	370	130	31	6.5	14
5	44	79	184	17,300	2,890	631	642	384	120	23	2.1	14
6	43	82	175	4,750	5,290	740	623	394	118	20	1.0	7.0
7	46	86	168	2,120	2,010	715	605	380	130	20	1.9	6.0
8	46	150	163	2,380	1,220	1,540	616	362	128	20	2.5	8.1
9	45	126	158	1,550	876	1,280	754	360	116	26	1.0	8.6
10	46	124	153	1,050	696	2,450	1,940	358	94	19	1.3	7.6
11	48	124	153	820	576	1,600	1,790	347	82	22	2.8	10
12	51	172	158	666	510	1,140	2,730	326	79	21	1.6	14
13	52	315	150	576	438	1,070	1,380	308	72	28	0.80	17
14	57	855	143	505	402	1,040	1,030	302	56	23	1.0	16
15	64	1,760	138	460	371	1,020	883	283	54	19	2.6	20
16	64	560	135	434	339	1,320	834	270	50	25	2.2	19
17	64	1,190	133	388	323	897	843	240	50	21	4.7	17
18	63	1,820	130	363	315	777	800	225	38	21	7.6	20
19	64	612	130	335	666	1,060	694	215	39	13	10	27
20	63	505	130	307	918	783	621	208	45	10	8.1	25
21	62	303	128	292	554	673	567	207	42	12	9.2	20
22	57	239	128	299	470	592	525	201	43	9.2	7.3	18
23	58	216	126	299	794	541	502	183	42	7.6	5.5	18
24	53	834	190	278	1,500	513	497	164	37	4.2	5.0	19
25	52	1,140	480	264	1,130	492	500	154	36	7.0	4.2	19
26	50	1,220	359	250	1,480	482	499	141	37	9.2	2.2	13
27	48	1,290	267	242	864	487	460	148	36	9.2	4.2	10
28	53	520	2,020	264	706	503	439	142	30	5.5	9.2	9.2
29	56	359	1,620	420		528	420	143	23	5.0	9.4	8.1
30	57	288	2,710	1,460		563	402	135	17	8.4	7.6	7.0
31	72		2,620	748		586		144		6.8	9.2	
Total	1,647	15,262	13,921	55,133	32,189	26,130	24,164	8,228	2,173	507	156	420
Mean	53	509	449	1,778	1,150	843	805	265	72	16	5.0	14
Max	72	1,820	2,710	17,300	5,290	2,450	2,730	394	146	31	10	27
Min	40	70	126	242	315	448	402	135	17	4.2	0.80	6.0
AC-FT	3,267	30,272	27,612	109,355	63,846	51,828	47,929	16,320	4,310	1,006	309	834



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1966 to Sept 1967												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	40	2,000	210	3,440	334	1,910	1,090	1,200	198	66	28
2	22	40	9,000	202	2,210	326	1,590	978	1,120	178	56	33
3	25	40	4,000	197	1,630	310	1,580	938	1,060	175	60	40
4	20	44	2,500	196	1,310	300	1,230	980	1,000	164	62	41
5	18	45	1,700	194	1,110	292	1,110	1,060	980	154	61	36
6	14	107	1,300	184	960	287	1,890	1,140	930	146	60	33
7	17	238	887	179	859	282	1,870	1,260	920	138	59	37
8	25	127	747	175	773	279	1,260	1,480	910	131	58	36
9	25	101	605	175	707	281	1,130	1,900	905	132	56	47
10	22	99	1,640	169	656	312	1,080	3,050	900	126	52	48
11	21	120	1,000	167	604	1,080	1,220	2,100	905	121	51	52
12	23	800	692	166	577	874	988	1,780	890	111	53	49
13	26	500	1,510	166	561	1,380	893	1,580	850	109	50	40
14	27	350	1,330	161	542	1,940	1,940	1,480	800	102	44	33
15	30	600	819	161	501	1,170	1,370	1,420	750	99	36	35
16	29	2,000	641	154	481	4,320	1,070	1,650	700	101	35	36
17	31	900	527	152	458	2,240	2,290	2,060	650	102	38	47
18	27	600	464	148	438	2,960	4,220	2,680	600	93	33	60
19	25	1,200	414	150	411	1,740	3,400	2,640	550	85	33	54
20	30	5,000	377	6,060	390	1,690	2,700	2,580	500	79	41	42
21	30	1,600	350	17,600	376	1,450	1,900	2,540	450	84	41	44
22	37	1,000	320	4,240	367	1,190	1,650	2,580	400	74	29	42
23	43	750	312	1,860	356	1,700	2,320	2,590	360	74	24	49
24	41	600	321	3,600	359	1,410	2,830	2,490	340	73	28	52
25	35	500	286	2,390	504	1,380	3,060	2,150	321	78	36	49
26	36	450	271	5,270	399	1,340	1,930	1,900	298	73	40	41
27	38	400	249	4,920	357	1,320	4,170	1,750	275	73	38	40
28	44	700	236	8,620	343	1,300	2,030	1,600	258	60	40	44
29	45	3,000	231	9,280	1,290	1,290	1,530	1,500	242	71	35	48
30	45	900	223	6,480	1,280	1,280	1,270	1,400	220	73	35	54
31	42		215	8,760		1,330		1,300		67	32	
Total	905	22,851	35,167	82,386	21,679	37,387	57,431	55,646	20,284	3,344	1,382	1,290
Mean	29	762	1,134	2,658	774	1,206	1,914	1,795	676	108	45	43
Max	45	5,000	9,000	17,600	3,440	4,320	4,220	3,050	1,200	198	66	60
Min	12	40	215	148	343	279	893	938	220	60	24	28
AC-FT	1,795	45,324	69,753	163,410	43,000	74,156	113,913	110,372	40,233	6,633	2,741	2,559



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1967 to Sept 1968												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	108	76	224	157	1,170	1,150	669	245	123	29	16	33
2	256	74	164	150	3,980	1,020	675	249	116	21	18	31
3	129	73	1,450	146	2,580	933	590	244	118	17	17	26
4	123	80	1,720	140	1,510	863	551	254	120	21	16	19
5	121	88	2,200	136	1,110	858	545	249	183	27	16	21
6	110	88	479	133	969	819	522	237	265	23	13	26
7	104	88	1,670	131	891	763	488	222	234	20	11	29
8	97	95	629	134	752	727	467	218	155	17	14	33
9	92	109	349	161	734	661	456	214	137	17	11	27
10	93	110	282	3,510	718	606	445	204	125	17	11	28
11	88	108	245	1,120	640	571	465	197	114	16	14	29
12	81	106	215	604	572	934	456	214	109	15	17	29
13	73	107	183	915	513	1,720	430	324	101	20	17	29
14	72	190	144	6,550	519	1,680	413	384	97	19	27	38
15	78	189	156	9,320	508	1,760	402	277	88	23	26	39
16	75	139	163	3,600	645	4,300	378	236	81	19	27	32
17	64	126	156	1,800	7,000	2,410	349	215	65	17	32	25
18	60	121	164	1,050	2,800	1,460	333	208	63	16	31	28
19	66	206	189	766	4,040	1,090	317	214	55	13	58	31
20	73	162	174	620	7,290	909	310	325	47	15	346	31
21	90	134	162	547	6,150	802	296	283	46	13	411	38
22	92	121	156	530	5,480	740	278	279	48	17	194	40
23	85	117	157	460	8,260	707	270	280	44	10	110	35
24	89	116	176	409	4,550	666	262	253	38	10	92	31
25	95	117	203	379	2,820	735	254	233	39	9.2	75	34
26	90	120	214	353	2,150	736	251	227	34	10	77	31
27	90	117	253	332	1,740	652	248	197	29	10	74	29
28	82	126	237	321	1,450	614	238	169	26	12	69	30
29	83	142	201	1,990	1,270	603	237	157	21	13	51	29
30	78	260	182	3,900		603	233	138	24	14	42	34
31	74		166	1,880		606		133		13	39	
Total	2,911	3,705	13,063	42,244	72,811	32,698	11,828	7,279	2,745	513	1,972	915
Mean	94	124	421	1,363	2,511	1,055	394	235	92	17	64	31
Max	256	260	2,200	9,320	8,260	4,300	675	384	265	29	411	40
Min	60	73	144	131	508	571	233	133	21	9.2	11	19
AC-FT	5,774	7,349	25,910	83,790	144,418	64,856	23,460	14,438	5,445	1,017	3,911	1,815



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1968 to Sept 1969												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	36	136	341	1,070	1,600	4,390	1,180	1,000	514	151	63	43
2	39	234	370	1,160	1,400	3,060	1,090	974	491	142	64	35
3	37	533	253	1,280	1,300	2,590	1,100	949	463	138	68	37
4	31	349	215	1,330	1,200	1,840	950	875	458	133	63	39
5	33	237	198	1,230	3,900	1,550	2,590	866	442	129	54	45
6	37	184	190	1,070	4,100	1,380	3,000	937	423	121	58	44
7	39	158	179	945	2,430	1,190	1,630	1,050	406	122	60	46
8	33	141	248	821	1,900	1,080	1,310	1,110	392	98	57	47
9	32	135	322	700	5,110	980	1,160	1,150	427	100	58	44
10	36	131	6,110	632	4,880	910	1,060	1,210	433	104	58	39
11	43	131	2,230	6,830	6,990	834	1,000	1,240	448	111	58	39
12	112	524	980	18,900	7,170	789	1,020	1,230	411	107	45	45
13	349	268	672	20,000	3,190	736	1,030	1,210	373	111	51	46
14	328	207	5,240	5,700	4,710	696	976	1,120	342	106	53	47
15	237	511	4,820	2,680	6,930	684	898	998	320	92	47	46
16	152	646	2,120	2,000	4,630	680	861	927	283	90	50	49
17	126	450	1,040	1,770	2,700	804	871	888	266	91	52	49
18	111	634	711	1,940	2,480	952	1,130	894	264	90	48	54
19	103	592	557	8,320	1,920	847	1,030	848	276	81	54	64
20	102	345	446	9,880	1,740	792	1,020	789	261	75	59	67
21	101	259	365	9,790	1,600	754	1,060	744	234	84	45	71
22	97	231	329	5,860	1,380	722	1,130	724	216	84	43	64
23	88	222	420	3,240	2,180	713	1,460	712	208	79	39	57
24	86	248	5,100	2,450	3,520	690	1,420	714	197	89	46	55
25	87	359	7,840	3,300	3,560	700	1,110	692	189	85	52	62
26	86	265	4,400	4,900	2,780	709	972	690	182	85	36	58
27	87	218	2,340	3,380	2,410	735	915	666	179	81	36	55
28	86	196	6,030	2,800	6,550	776	904	610	175	78	41	56
29	130	184	3,550	2,050		826	952	562	169	73	45	65
30	318	222	1,960	1,990		887	975	546	158	68	48	62
31	176		1,350	1,670		1,010		526		66	46	
Total	3,358	8,950	60,926	129,688	94,260	35,306	35,804	27,451	9,600	3,064	1,597	1,530
Mean	108	298	1,965	4,183	3,366	1,139	1,193	886	320	99	52	51
Max	349	646	7,840	20,000	7,170	4,390	3,000	1,240	514	151	68	71
Min	31	131	179	632	1,200	680	861	526	158	66	36	35
AC-FT	6,660	17,752	120,845	257,232	186,962	70,028	71,016	54,448	19,041	6,077	3,168	3,035



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1969 to Sept 1970												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	60	87	134	475	1,570	5,240	451	224	136	73	33	35
2	58	90	135	406	1,360	2,000	431	219	130	73	28	35
3	56	98	134	365	1,240	1,000	420	209	125	68	33	38
4	61	130	131	329	1,130	1,350	403	205	124	69	30	31
5	72	460	132	288	1,010	1,250	384	198	120	71	27	37
6	71	500	132	264	940	980	377	210	108	59	25	39
7	76	330	133	252	900	1,480	364	222	96	54	23	33
8	73	240	157	329	870	2,000	348	224	103	50	29	34
9	93	200	184	8,850	860	1,550	339	274	140	50	30	35
10	86	180	177	6,350	829	1,800	337	261	262	51	28	32
11	79	165	363	3,160	789	1,500	306	243	191	51	26	34
12	79	170	6,000	3,910	932	1,200	302	255	147	44	28	31
13	81	160	4,480	4,510	2,190	1,100	300	246	134	45	32	28
14	93	155	1,510	9,100	1,580	1,000	314	219	154	37	28	29
15	169	150	921	5,130	1,090	950	307	194	155	35	25	30
16	398	150	570	16,100	2,210	926	311	195	131	36	22	32
17	358	145	525	7,240	2,850	864	310	195	119	34	22	29
18	209	145	750	5,180	1,600	794	298	189	108	27	16	36
19	178	145	20,500	5,730	1,260	754	301	195	99	30	16	50
20	152	140	13,600	6,390	1,100	722	285	188	92	35	19	43
21	142	140	10,700	14,500	992	688	261	187	89	30	25	41
22	137	140	3,630	10,800	908	662	254	171	79	32	33	37
23	137	142	6,220	17,700	836	636	249	162	70	32	35	25
24	136	139	4,140	15,900	802	604	240	163	67	32	28	33
25	135	138	3,060	6,060	744	571	249	153	73	32	25	37
26	135	136	1,900	5,270	714	553	261	146	74	25	24	36
27	135	138	1,330	8,190	690	532	276	147	78	35	27	39
28	130	135	992	3,630	1,170	518	261	146	88	36	28	40
29	130	134	782	2,820		495	246	148	132	28	30	39
30	117	135	642	2,260		483	234	141	101	30	25	32
31	98		546	1,880		467		142		32	29	
Total	3,934	5,217	84,610	173,368	33,166	34,669	9,419	6,071	3,525	1,336	829	1,050
Mean	127	174	2,729	5,593	1,185	1,118	314	196	118	43	27	35
Max	398	500	20,500	17,700	2,850	5,240	451	274	262	73	35	50
Min	56	87	131	252	690	467	234	141	67	25	16	25
AC-FT	7,803	10,348	167,821	343,870	65,784	68,765	18,682	12,042	6,992	2,650	1,644	2,083



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1970 to Sept 1971												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	31	124	2,400	1,040	652	366	1,210	619	633	233	70	68
2	36	121	3,550	924	639	356	1,100	612	594	216	70	66
3	40	121	3,030	717	609	356	1,020	756	516	207	69	57
4	45	142	11,200	633	585	356	966	937	519	195	69	55
5	46	1,100	3,410	585	567	343	932	828	480	186	64	52
6	44	1,580	2,360	549	549	334	929	750	457	174	63	52
7	49	1,130	4,810	525	520	330	1,020	715	443	163	57	50
8	55	712	5,560	503	503	325	966	815	429	147	67	44
9	53	5,350	3,590	498	492	316	895	825	420	136	66	59
10	53	1,550	1,950	1,710	476	321	1,590	751	446	131	59	62
11	53	1,080	1,360	3,090	476	356	1,030	728	413	129	57	59
12	51	1,170	1,070	2,250	498	8,240	901	794	389	126	52	57
13	50	617	932	1,350	508	2,750	864	797	377	120	53	55
14	50	436	828	1,210	514	1,850	828	765	350	111	52	44
15	54	342	932	2,860	525	1,800	818	707	313	104	49	39
16	58	288	2,180	15,700	525	1,280	808	660	289	99	61	41
17	54	252	3,340	7,080	508	1,240	837	603	278	96	53	42
18	65	227	2,030	3,890	492	932	740	549	277	95	52	42
19	88	208	1,270	2,840	597	828	688	533	276	97	50	42
20	132	196	1,580	2,180	492	766	726	516	264	93	49	38
21	191	190	3,710	1,670	455	717	759	492	239	83	49	41
22	238	211	1,590	1,370	445	690	674	466	221	79	52	44
23	241	282	1,120	1,190	430	2,620	630	457	213	77	47	42
24	367	1,620	916	1,070	420	3,540	600	460	204	75	49	52
25	186	3,360	773	940	405	6,390	574	478	200	74	47	62
26	150	1,290	710	852	385	10,000	569	699	294	76	41	70
27	135	1,320	788	788	385	3,860	564	602	631	74	53	88
28	130	10,400	1,220	745	385	2,450	571	767	419	74	55	86
29	126	5,510	3,380	704		1,930	588	617	297	73	58	112
30	128	2,960	1,670	678		1,640	615	580	254	72	61	301
31	125		1,230	664		1,370		557		70	70	
Total	3,124	43,889	74,489	60,805	14,037	58,652	25,012	20,435	11,135	3,685	1,764	1,922
Mean	101	1,463	2,403	1,961	501	1,892	834	659	371	119	57	64
Max	367	10,400	11,200	15,700	652	10,000	1,590	937	633	233	70	301
Min	31	121	710	498	385	316	564	457	200	70	41	38
AC-FT	6,196	87,053	147,747	120,605	27,842	116,334	49,611	40,532	22,086	7,309	3,499	3,812



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1971 to Sept 1972												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	163	124	221	277	473	2,180	536	336	170	59	18	21
2	131	129	238	265	399	2,430	543	323	168	48	19	20
3	120	125	531	249	363	3,800	533	312	162	42	20	20
4	110	125	418	227	397	2,530	506	309	150	44	19	20
5	103	124	324	218	495	1,830	664	309	145	48	19	23
6	94	123	399	208	693	1,460	986	316	145	44	25	27
7	88	124	296	204	720	1,210	739	333	147	42	27	24
8	80	119	224	198	499	1,060	641	395	147	45	16	22
9	80	126	202	188	422	977	592	331	165	35	14	22
10	75	128	202	183	368	1,120	554	301	210	34	18	25
11	74	159	204	179	329	1,050	758	279	155	40	17	30
12	70	244	429	175	305	984	1,870	259	135	36	19	28
13	70	311	484	174	285	953	1,430	257	123	29	18	23
14	77	260	308	171	273	925	921	256	112	28	20	22
15	82	170	254	171	260	830	783	256	107	29	20	23
16	98	153	216	169	247	794	713	255	104	26	27	24
17	103	146	200	167	237	777	655	264	100	25	40	25
18	105	141	197	167	230	750	603	246	89	25	41	27
19	105	139	193	189	226	706	568	245	90	24	38	29
20	124	141	185	264	239	639	539	326	73	29	30	31
21	125	142	187	3,300	283	604	510	427	69	29	23	35
22	118	140	4,380	4,470	322	799	475	308	67	30	19	30
23	127	138	1,350	3,020	1,810	1,200	433	271	66	28	16	37
24	142	138	1,210	1,220	3,990	842	601	248	84	26	30	37
25	128	141	1,120	1,300	1,540	1,410	500	234	78	23	25	37
26	123	161	997	1,120	3,390	969	433	213	71	22	22	65
27	127	320	677	1,000	1,820	815	406	202	62	28	21	46
28	122	672	463	777	2,600	721	389	199	63	27	21	99
29	116	764	392	664	4,610	648	368	191	60	24	20	103
30	118	309	364	559	595	350	178	58	32	22	22	88
31	123		309	522		558		168		29	21	
Total	3,321	6,036	17,174	21,995	27,825	36,166	19,599	8,547	3,375	1,030	705	1,063
Mean	107	201	554	710	959	1,167	653	276	113	33	23	35
Max	163	764	4,380	4,470	4,610	3,800	1,870	427	210	59	41	103
Min	70	119	185	167	226	558	350	168	58	22	14	20
AC-FT	6,587	11,972	34,064	43,626	55,190	71,734	38,874	16,953	6,694	2,043	1,398	2,108



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1972 to Sept 1973												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	81	117	908	520	1,510	2,940	778	580	381	75	26	40
2	75	119	522	466	1,180	2,040	670	550	306	75	30	42
3	69	203	357	423	1,040	2,830	618	536	275	74	35	39
4	61	1,930	399	381	2,960	2,400	590	536	257	72	31	36
5	64	668	390	350	3,400	1,700	585	518	235	70	28	33
6	62	325	435	330	2,310	3,200	590	500	206	59	29	35
7	62	511	455	310	4,310	2,100	585	492	185	62	27	36
8	66	637	389	320	2,270	1,500	574	487	177	56	28	42
9	111	324	316	6,800	2,940	1,120	568	475	168	64	33	41
10	166	810	312	3,700	4,250	1,600	580	455	153	58	36	38
11	194	2,460	250	9,800	2,530	2,190	590	450	153	54	37	35
12	278	665	258	5,800	3,260	1,300	612	444	154	56	33	31
13	192	927	252	3,600	1,950	1,120	640	448	153	52	30	36
14	187	4,210	250	2,550	4,000	922	634	472	148	55	24	36
15	318	1,600	250	4,400	2,560	830	618	468	146	51	28	38
16	339	2,090	255	13,600	1,760	766	612	469	144	53	22	37
17	347	783	6,700	6,020	1,410	877	949	464	147	54	25	40
18	227	584	5,200	7,430	1,160	717	758	449	143	55	32	44
19	174	1,200	4,700	3,330	989	690	676	443	124	52	36	47
20	155	726	2,590	2,180	869	3,040	618	421	113	49	34	113
21	141	475	2,050	1,980	776	3,320	580	389	107	49	32	110
22	135	350	3,930	1,500	707	2,190	568	360	101	46	33	90
23	129	284	2,520	1,230	656	1,480	580	335	100	49	32	149
24	121	251	2,590	1,090	1,170	1,170	582	512	115	55	35	167
25	115	237	1,720	1,630	1,430	1,020	591	1,090	106	47	40	143
26	115	218	1,160	1,360	2,800	921	622	604	93	48	44	110
27	116	202	1,130	1,040	5,690	830	659	488	87	42	48	95
28	115	194	1,070	911	3,470	765	690	424	77	39	45	89
29	115	188	785	1,400		700	679	375	74	34	38	84
30	114	184	672	2,630		907	623	341	77	40	37	85
31	116		596	2,410		1,120		339		34	40	
Total	4,560	23,472	43,411	89,491	63,357	48,305	19,019	14,914	4,705	1,679	1,028	1,961
Mean	147	782	1,400	2,887	2,263	1,558	634	481	157	54	33	65
Max	347	4,210	6,700	13,600	5,690	3,320	949	1,090	381	75	48	167
Min	61	117	250	310	656	690	568	335	74	34	22	31
AC-FT	9,045	46,556	86,104	177,503	125,667	95,812	37,724	29,581	9,332	3,330	2,039	3,890



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1973 to Sept 1974												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	83	123	10,100	1,880	3,200	5,150	10,100	750	443	136	86	78
2	84	122	2,950	1,520	1,800	3,970	4,820	774	427	137	90	77
3	73	121	1,820	1,360	1,440	3,370	3,160	768	429	137	86	66
4	69	124	1,410	1,200	1,280	1,890	2,300	744	420	128	85	63
5	68	160	1,170	1,150	1,150	1,560	1,910	747	408	129	95	61
6	73	878	1,000	1,130	1,050	2,170	1,780	754	389	126	115	63
7	309	3,220	917	1,050	999	11,600	1,440	763	367	126	98	63
8	344	1,720	854	1,000	941	3,630	1,240	786	343	272	91	64
9	226	2,300	740	938	899	2,430	1,530	804	320	311	84	63
10	172	3,250	680	887	859	1,970	1,240	758	313	310	81	65
11	141	9,590	1,970	853	821	3,240	1,080	723	300	250	86	63
12	130	8,770	1,370	2,350	864	2,570	988	708	301	214	82	61
13	127	3,810	2,480	5,020	970	2,070	917	668	297	185	86	58
14	127	2,430	2,360	8,530	830	1,680	868	624	296	173	86	57
15	122	1,640	1,440	22,900	777	1,480	847	597	279	156	84	51
16	118	4,350	1,160	22,300	875	1,330	828	572	280	143	81	59
17	114	4,380	1,810	9,400	800	1,390	828	558	295	131	85	56
18	112	5,170	1,400	11,800	1,050	1,300	847	552	269	130	81	63
19	115	2,100	1,130	11,700	5,400	1,180	810	513	267	121	82	63
20	123	1,510	1,060	4,970	1,750	1,100	768	478	286	117	78	59
21	134	1,430	4,570	3,350	1,410	1,030	756	454	246	107	82	55
22	188	1,710	3,160	2,610	1,390	992	762	438	219	111	71	58
23	421	1,370	1,960	2,180	1,110	954	804	430	204	109	75	63
24	270	1,440	1,570	1,890	995	923	980	433	204	99	73	68
25	196	1,080	1,300	1,690	920	1,140	1,010	437	192	97	71	63
26	162	935	1,420	1,540	904	1,540	828	447	185	96	68	65
27	148	774	4,490	1,410	920	1,800	756	482	172	94	65	68
28	140	713	7,160	1,320	2,960	2,450	714	510	173	95	71	71
29	130	698	11,100	1,240		11,600	702	508	167	97	75	67
30	125	7,310	3,700	1,160		10,700	714	484	155	89	77	77
31	125		2,460	2,620		4,730		462		86	75	
Total	4,769	73,228	80,711	132,948	38,364	92,939	46,327	18,726	8,646	4,512	2,545	1,908
Mean	154	2,441	2,604	4,289	1,370	2,998	1,544	604	288	146	82	64
Max	421	9,590	11,100	22,900	5,400	11,600	10,100	804	443	311	115	78
Min	68	121	680	853	777	923	702	430	155	86	65	51
AC-FT	9,459	145,246	160,088	263,698	76,094	184,342	91,888	37,142	17,149	8,949	5,048	3,784



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1974 to Sept 1975												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	77	234	155	213	1,360	481	820	727	558	153	62	72
2	77	171	169	200	2,540	529	741	714	535	137	68	70
3	83	157	1,310	190	1,180	490	834	884	523	128	64	68
4	76	154	1,960	189	1,350	461	1,060	893	492	126	53	64
5	69	151	444	195	986	444	1,700	744	478	132	55	55
6	74	151	289	1,220	1,450	549	1,470	668	469	125	52	53
7	74	174	238	2,070	4,330	1,250	1,240	648	461	118	54	49
8	71	283	214	3,910	4,200	1,500	1,390	666	410	113	56	51
9	83	191	196	863	4,650	1,380	1,150	695	370	100	59	53
10	87	170	186	509	2,300	1,210	998	716	350	87	58	56
11	84	164	179	381	1,710	949	894	745	338	80	50	61
12	77	160	188	311	8,490	754	809	765	313	78	47	60
13	73	157	241	273	11,800	955	757	810	298	74	46	60
14	78	154	201	250	3,180	924	1,010	851	287	74	45	58
15	78	154	199	233	1,790	729	1,210	886	266	96	50	62
16	79	151	189	220	1,260	1,100	867	841	253	156	52	59
17	77	151	182	209	956	2,100	741	827	233	127	55	54
18	76	171	177	202	792	8,860	667	827	226	108	129	55
19	84	172	171	197	2,920	10,800	1,100	826	222	102	165	58
20	86	161	168	192	2,330	3,130	848	752	217	96	120	62
21	85	167	168	184	1,230	3,800	739	643	210	84	96	57
22	87	209	172	178	902	3,980	705	592	198	83	81	58
23	85	176	161	175	747	2,250	819	568	191	75	76	59
24	93	163	156	172	652	4,740	1,220	570	195	74	64	57
25	96	180	156	171	584	8,920	1,640	553	226	67	55	54
26	98	191	154	173	528	2,950	1,190	531	208	65	50	54
27	113	171	1,480	174	497	1,980	989	521	194	56	55	56
28	270	163	1,200	163	479	1,480	870	527	183	60	89	51
29	253	160	399	158		1,200	800	539	173	59	96	53
30	180	157	287	153		1,050	759	546	163	63	80	50
31	273		239	172		937		549		67	72	
Total	3,196	5,168	11,628	13,900	65,193	71,882	30,037	21,624	9,240	2,963	2,154	1,729
Mean	103	172	375	448	2,328	2,319	1,001	698	308	96	69	58
Max	273	283	1,960	3,910	11,800	10,800	1,700	893	558	156	165	72
Min	69	151	154	153	479	444	667	521	163	56	45	49
AC-FT	6,339	10,251	23,064	27,570	129,308	142,576	59,577	42,891	18,327	5,877	4,272	3,429



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1975 to Sept 1976												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	46	289	151	156	127	3,310	295	280	91	22	8.7	20
2	53	221	152	153	128	2,240	244	275	91	22	13	24
3	53	191	148	153	129	2,240	224	273	83	21	15	25
4	57	175	158	154	123	1,430	220	262	79	21	21	27
5	57	168	2,010	156	118	978	216	258	77	21	19	27
6	57	165	1,600	157	116	754	231	237	62	20	15	27
7	111	181	556	152	125	629	284	235	60	18	20	22
8	112	216	391	153	125	561	1,720	242	54	17	20	20
9	103	178	314	220	125	494	1,080	246	55	17	20	18
10	270	174	275	207	125	444	662	242	65	16	13	22
11	412	182	248	176	120	406	636	238	70	15	13	26
12	231	165	353	168	121	369	1,420	221	81	16	13	37
13	162	160	306	164	125	345	1,030	209	84	15	12	37
14	138	157	246	155	154	333	688	205	77	15	50	34
15	134	291	221	157	218	318	574	193	62	15	330	48
16	127	1,210	213	154	846	305	497	181	47	14	170	63
17	120	464	208	153	1,040	302	448	172	37	13	72	65
18	122	311	197	149	503	314	424	168	36	13	80	62
19	118	248	190	145	418	336	394	154	34	12	122	51
20	112	235	184	144	327	287	383	142	32	12	88	48
21	116	226	181	142	259	273	371	135	32	11	71	46
22	125	203	231	141	227	263	365	115	34	10	66	43
23	122	188	234	141	208	260	360	115	32	10	71	41
24	116	176	203	141	195	260	348	114	30	10	65	42
25	136	167	192	138	359	293	342	107	29	10	56	39
26	898	164	184	136	1,390	252	323	98	27	10	42	37
27	358	164	180	135	1,900	242	303	88	26	8.6	35	39
28	218	160	175	134	6,250	233	298	76	26	7.8	34	48
29	183	154	172	136	10,000	224	285	73	25	7.4	31	54
30	1,680	151	169	133		216	279	79	23	6.4	20	52
31	554		163	130		227		88		6.6	21	
Total	7,101	7,134	10,205	4,733	25,901	19,138	14,944	5,521	1,561	432	1,627	1,144
Mean	229	238	329	153	893	617	498	178	52	14	52	38
Max	1,680	1,210	2,010	220	10,000	3,310	1,720	280	91	22	330	65
Min	46	151	148	130	116	216	216	73	23	6.4	8.7	18
AC-FT	14,085	14,150	20,241	9,388	51,374	37,960	29,641	10,951	3,096	857	3,227	2,269



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1976 to Sept 1977												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	52	57	84	108	87	116	94	59	55	1.0	0.40	0.60
2	56	57	84	284	87	104	86	61	46	3.5	0.45	0.41
3	65	53	83	376	86	97	83	62	39	2.3	0.30	0.40
4	68	49	83	156	86	91	83	64	30	1.2	0.30	0.45
5	55	47	79	122	86	86	68	64	24	1.3	0.45	0.50
6	44	53	78	113	86	85	64	62	21	1.2	0.45	1.5
7	40	54	78	101	83	88	66	68	19	0.67	0.45	1.0
8	43	56	81	98	98	88	72	64	19	1.0	0.40	0.80
9	42	55	87	93	149	112	145	73	21	1.8	0.14	0.90
10	42	60	81	94	114	136	139	119	20	0.65	0.86	1.1
11	37	65	81	94	100	103	105	740	31	0.49	0.70	1.0
12	36	69	81	105	96	98	91	563	34	0.46	0.60	1.0
13	39	71	79	103	92	100	79	261	26	0.42	0.50	1.0
14	37	109	82	98	89	102	66	187	17	0.31	0.19	1.0
15	36	163	81	97	88	115	66	151	14	0.30	0.48	1.4
16	38	113	78	96	88	144	58	128	8.2	0.29	0.35	0.80
17	36	98	79	95	84	140	54	112	7.3	0.28	0.60	88
18	36	91	77	96	74	137	52	103	11	0.27	0.86	74
19	36	95	77	97	70	116	48	104	23	0.26	0.77	72
20	41	92	81	98	71	106	42	95	23	0.26	1.7	278
21	45	88	82	100	101	101	38	75	14	0.25	1.7	135
22	46	90	82	97	169	98	34	67	12	0.25	1.6	78
23	45	90	83	94	152	108	33	98	8.6	0.20	1.4	60
24	49	89	83	91	197	208	29	120	8.1	0.15	0.70	59
25	48	86	82	89	132	258	31	100	4.7	0.08	0.70	55
26	46	81	81	88	115	163	38	99	2.1	0.08	0.70	52
27	48	78	81	88	107	134	29	130	1.0	0.06	1.2	48
28	47	79	80	88	102	117	27	127	0.80	0.04	1.6	63
29	52	81	81	85		108	31	101	2.8	0.02	1.0	116
30	56	84	100	84		102	38	86	1.8	0.20	0.85	127
31	56		112	86		95		70		0.30	0.70	
Total	1,417	2,353	2,561	3,514	2,889	3,656	1,889	4,213	544	20	23	1,319
Mean	46	78	83	113	103	118	63	136	18	0.63	0.74	44
Max	68	163	112	376	197	258	145	740	55	3.5	1.7	278
Min	36	47	77	84	70	85	27	59	0.8	0.02	0.14	0.40
AC-FT	2,811	4,667	5,080	6,970	5,730	7,252	3,747	8,356	1,080	39	46	2,616



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1977 to Sept 1978												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	97	70	128	650	519	823	3,230	1,090	279	102	32	39
2	77	61	119	744	1,800	2,070	2,150	949	274	92	29	41
3	67	59	110	1,200	1,280	4,640	1,460	876	257	92	27	37
4	57	59	108	1,190	865	12,100	3,350	814	256	90	27	39
5	52	86	106	3,390	3,000	7,040	1,810	760	246	84	26	40
6	53	104	106	2,100	9,640	3,910	5,980	711	234	81	26	69
7	52	83	106	1,210	9,050	2,420	3,170	677	226	76	24	75
8	51	75	104	2,140	4,180	8,550	1,930	636	221	84	25	62
9	48	68	100	16,700	4,140	5,580	1,480	620	217	84	20	73
10	40	68	94	6,790	2,220	3,100	1,280	621	209	75	20	128
11	31	68	114	2,840	1,620	4,320	1,170	608	204	64	20	140
12	29	67	325	2,250	2,210	2,470	1,060	582	190	57	22	94
13	28	65	360	3,980	3,180	1,850	1,240	572	182	59	25	73
14	23	70	8,340	9,760	2,030	1,540	1,800	581	176	57	27	71
15	26	74	4,910	6,690	2,030	1,330	2,510	776	169	53	24	68
16	26	73	1,690	6,130	1,410	1,160	2,120	689	177	47	25	63
17	23	71	5,570	4,000	1,160	1,050	1,640	580	165	48	23	53
18	24	70	1,430	3,220	992	965	1,210	532	147	49	20	56
19	23	67	715	5,770	874	892	1,910	498	138	44	21	57
20	21	69	502	2,870	801	840	3,400	471	133	41	22	54
21	24	110	408	1,930	739	854	1,790	446	128	35	25	56
22	23	379	1,730	1,550	691	1,210	1,330	433	123	39	53	56
23	22	944	4,880	1,200	655	1,710	1,150	419	122	37	48	54
24	30	623	1,190	973	629	1,420	1,060	404	119	39	40	52
25	33	462	739	843	612	1,060	3,270	386	112	32	42	53
26	36	339	567	761	1,640	922	3,180	359	109	34	39	52
27	42	286	900	684	1,640	851	1,910	329	112	37	41	54
28	42	201	839	624	989	802	1,500	322	121	35	38	59
29	56	160	1,360	576		775	1,310	317	123	34	37	53
30	72	139	1,530	533		754	1,170	298	114	34	34	52
31	92		893	502		921		282		32	33	
Total	1,320	5,070	40,073	93,800	60,596	77,929	61,570	17,638	5,283	1,767	915	1,873
Mean	43	169	1,293	3,026	2,164	2,514	2,052	569	176	57	30	62
Max	97	944	8,340	16,700	9,640	12,100	5,980	1,090	279	102	53	140
Min	21	59	94	502	519	754	1,060	282	109	32	20	37
AC-FT	2,618	10,056	79,484	186,049	120,190	154,570	122,122	34,984	10,479	3,505	1,815	3,715



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1978 to Sept 1979												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	47	59	124	95	140	3,350	609	1,070	205	38	12	73
2	44	65	133	99	135	1,610	551	889	194	37	10	68
3	39	69	115	97	135	1,330	509	733	188	37	11	63
4	37	68	109	98	135	1,090	478	695	182	44	11	55
5	38	68	108	99	135	881	467	1,540	154	47	12	52
6	38	72	106	97	133	803	491	1,530	142	47	8.0	48
7	42	67	102	101	133	793	509	1,810	126	48	9.1	32
8	44	65	100	432	133	766	462	1,200	114	46	12	27
9	50	61	109	770	135	713	461	991	113	40	10	26
10	47	56	108	1,100	133	654	451	821	107	34	10	25
11	45	67	106	5,770	150	609	432	719	101	36	11	23
12	46	81	105	1,130	188	576	418	657	87	35	12	17
13	41	107	104	539	9,770	550	416	618	76	32	11	16
14	39	106	101	2,590	10,300	534	439	611	71	27	11	15
15	41	100	98	5,650	2,040	824	438	586	72	27	18	12
16	51	99	98	1,320	3,350	1,250	502	577	76	19	14	14
17	52	101	116	686	1,480	1,030	800	539	80	20	13	14
18	49	103	213	457	3,610	1,730	679	505	83	21	13	14
19	45	125	139	346	1,930	1,190	510	496	84	22	16	15
20	51	427	116	298	4,460	846	462	478	78	23	20	16
21	55	334	109	267	5,640	702	437	465	78	19	23	19
22	54	274	108	239	4,640	665	443	456	73	19	21	20
23	51	182	104	217	3,850	580	585	437	69	18	25	19
24	52	148	103	204	2,210	522	1,610	393	63	20	22	15
25	49	133	105	192	1,300	496	868	367	60	20	17	22
26	54	124	104	176	1,570	487	712	349	57	18	19	38
27	48	119	103	162	998	1,180	1,000	317	54	19	10	40
28	51	117	101	156	4,980	1,070	742	296	47	23	17	32
29	55	116	97	146		902	655	269	42	18	54	30
30	54	114	88	146		1,050	610	246	37	17	95	31
31	57		91	147		723		223		13	111	
Total	3,477	3,627	3,423	23,826	63,813	29,506	17,746	20,883	2,913	884	658	891
Mean	112	121	110	769	2,279	952	592	674	97	29	21	30
Max	2,060	427	213	5,770	10,300	3,350	1,610	1,810	205	48	111	73
Min	37	56	88	95	133	487	416	223	37	13	8.0	12
AC-FT	6,897	7,194	6,789	47,258	126,571	58,524	35,199	41,421	5,778	1,753	1,305	1,767



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1979 to Sept 1980												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30	164	292	2,910	576	1,740	458	438	200	80	28	40
2	29	152	268	1,570	550	1,580	445	417	201	74	30	33
3	28	171	254	1,100	1,610	1,710	433	405	201	83	32	31
4	28	665	234	856	1,000	2,030	450	384	217	87	33	31
5	27	1,070	214	756	759	4,410	885	380	256	84	31	31
6	30	707	199	709	702	3,130	734	377	233	77	31	31
7	32	399	191	616	627	2,070	564	362	214	72	31	30
8	34	296	185	595	591	1,640	510	356	196	71	32	26
9	36	242	177	1,110	559	1,380	515	448	184	69	29	27
10	38	208	169	1,820	533	1,210	525	555	170	71	31	33
11	34	186	159	3,260	513	1,100	470	437	169	67	27	36
12	42	172	154	7,770	493	974	450	411	201	60	28	36
13	49	158	149	10,900	474	898	439	408	236	58	30	40
14	49	151	146	10,900	477	2,630	438	421	214	57	34	63
15	90	145	144	9,620	1,080	3,150	430	385	190	56	34	67
16	164	310	141	6,430	2,320	1,470	422	354	170	52	36	59
17	94	2,200	136	5,790	7,450	1,200	425	330	152	52	35	53
18	81	704	134	3,580	6,090	1,100	433	317	142	52	29	68
19	227	415	136	2,460	11,400	941	459	303	133	54	29	97
20	382	318	188	1,890	9,940	862	509	292	129	48	34	80
21	247	270	850	1,510	6,520	800	744	284	128	48	34	78
22	174	330	458	1,250	5,030	734	593	284	124	42	35	76
23	164	719	3,740	1,100	3,480	687	550	286	121	38	38	74
24	172	2,980	15,900	992	2,410	643	535	281	125	34	40	72
25	2,060	1,750	8,430	909	1,920	628	514	266	115	36	36	65
26	1,040	1,630	3,140	837	1,630	600	498	251	100	37	36	59
27	385	730	1,430	793	1,540	564	495	241	98	36	36	55
28	270	509	976	733	4,410	529	494	228	94	35	33	50
29	212	399	738	687	2,180	506	482	225	89	31	30	48
30	185	331	3,200	621	489	461	214	86	86	32	38	45
31	174		7,130	602		468		214		29	41	
Total	6,607	18,481	49,662	84,676	76,864	41,873	15,360	10,554	4,888	1,722	1,021	1,534
Mean	213	616	1,602	2,731	2,650	1,351	512	340	163	56	33	51
Max	2,060	2,980	15,900	10,900	11,400	4,410	885	555	256	87	41	97
Min	27	145	134	595	474	468	422	214	86	29	27	26
AC-FT	13,105	36,657	98,503	167,952	152,457	83,054	30,466	20,934	9,695	3,416	2,025	3,043



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1980 to Sept 1981												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	42	94	159	165	693	677	1,380	321	101	16	12	7.4
2	40	95	504	161	537	579	951	309	99	18	15	10
3	37	93	4,180	162	454	508	789	281	98	18	14	13
4	36	90	2,230	191	408	2,550	695	266	96	17	7.7	11
5	36	92	637	170	389	1,660	621	254	89	20	10	15
6	35	90	368	160	393	934	582	230	88	22	10	12
7	35	87	279	154	350	718	543	216	74	25	7.2	11
8	39	131	229	144	318	611	515	205	73	24	6.3	8.2
9	42	115	208	143	308	527	488	197	87	16	5.9	12
10	43	105	193	140	288	473	464	184	70	12	3.5	14
11	47	103	182	136	486	429	446	158	62	17	1.1	14
12	93	102	176	135	477	406	424	146	69	21	2.6	18
13	156	99	168	131	2,310	926	405	140	66	16	6.9	15
14	247	98	162	130	7,010	575	391	139	65	17	10	16
15	152	92	157	129	1,860	1,190	388	141	58	17	12	14
16	123	96	155	136	1,240	3,070	379	146	59	14	13	10
17	110	95	153	419	1,320	1,270	363	147	56	13	12	10
18	103	95	151	437	914	1,200	352	381	53	12	8.8	12
19	100	99	148	401	819	2,910	615	493	47	8.8	10	15
20	98	92	145	514	875	2,350	603	339	48	7.3	13	16
21	96	97	191	662	677	5,700	448	247	46	5.8	9.2	17
22	92	103	350	1,010	592	3,900	407	217	34	11	13	16
23	87	109	225	2,230	546	2,070	395	205	27	13	15	16
24	86	115	193	1,580	1,390	1,370	391	189	25	11	14	21
25	86	103	190	751	3,580	5,560	389	203	27	10	15	39
26	121	97	205	992	1,490	3,950	609	218	27	14	17	48
27	109	97	189	7,130	1,100	2,020	514	198	19	12	13	56
28	96	97	205	4,190	824	1,470	403	152	16	11	11	130
29	92	104	189	3,420		1,210	365	143	17	8.2	12	99
30	92	165	177	1,790		1,020	345	129	19	8.1	9.1	58
31	93		170	974		963		115		10	7.1	
Total	2,664	3,050	12,868	28,887	31,648	52,796	15,660	6,709	1,715	444	316	754
Mean	86	102	415	932	1,130	1,703	522	216	57	14	10	25
Max	247	165	4,180	7,130	7,010	5,700	1,380	493	101	25	17	130
Min	35	87	145	129	288	406	345	115	16	5.8	1.1	7.4
AC-FT	5,284	6,050	25,523	57,296	62,773	104,719	31,061	13,307	3,402	881	626	1,495



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1981 to Sept 1982												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	43	170	837	4,240	1,010	3,260	4,340	932	344	357	71	58
2	40	150	733	2,720	891	5,090	3,760	915	356	321	71	60
3	47	134	641	2,020	852	2,430	3,460	880	344	391	70	60
4	46	123	576	2,970	767	1,790	2,430	850	364	259	70	62
5	50	116	533	3,560	683	1,440	1,970	816	372	219	70	60
6	51	111	630	2,120	634	1,240	1,770	788	334	200	70	58
7	200	106	1,200	1,550	602	1,130	1,540	784	318	182	69	56
8	200	104	833	1,340	568	1,110	1,330	769	295	166	73	55
9	121	104	2,380	1,300	534	1,070	1,190	724	274	155	72	55
10	180	107	2,970	1,300	516	1,690	2,040	682	261	141	67	56
11	344	112	1,360	1,240	493	2,260	5,900	649	243	124	67	55
12	190	156	1,730	1,140	465	1,580	2,880	625	260	111	69	55
13	137	927	4,830	1,020	3,040	1,370	2,170	607	273	111	67	56
14	117	1,630	5,490	953	9,720	3,920	3,620	598	254	99	63	52
15	106	8,420	3,700	872	12,100	2,130	2,230	587	227	99	63	53
16	98	19,500	2,260	813	9,880	2,340	1,760	559	206	87	62	59
17	91	4,470	1,640	764	4,630	2,280	1,520	566	199	81	62	70
18	89	2,310	6,170	801	3,300	1,710	1,350	582	202	84	60	85
19	86	1,470	16,800	1,120	3,040	1,930	1,220	544	199	82	60	150
20	81	1,090	7,540	2,770	2,480	1,610	1,150	528	194	78	60	116
21	78	2,100	6,910	2,050	2,330	1,340	1,120	509	184	79	61	99
22	82	5,100	3,190	1,330	2,500	1,180	1,080	498	170	79	60	90
23	82	9,660	2,210	1,130	1,980	1,080	1,070	481	165	80	60	85
24	79	5,680	1,710	1,050	1,730	1,000	1,070	470	155	80	58	95
25	81	2,640	1,400	1,080	1,560	962	1,080	470	158	82	58	164
26	80	2,360	1,510	4,180	1,460	960	1,060	474	161	84	60	133
27	91	3,250	1,860	2,170	1,380	1,100	1,030	457	160	80	62	121
28	904	1,840	1,390	4,110	1,250	1,650	1,030	420	173	78	61	108
29	555	1,260	8,820	1,880	1,530	985	395	384	76	64	64	107
30	279	976	4,550	1,400	2,690	940	373	269	74	64	64	98
31	199		4,910	1,180		6,150		358		71	60	
Total	4,827	76,176	101,313	56,173	70,395	61,022	58,095	18,890	7,498	4,210	2,004	2,431
Mean	156	2,539	3,268	1,812	2,514	1,968	1,937	609	250	136	65	81
Max	904	19,500	16,800	4,240	12,100	6,150	5,900	932	384	391	73	164
Min	40	104	533	764	465	960	940	358	155	71	58	52
AC-FT	9,574	151,093	200,951	111,417	139,626	121,035	115,230	37,468	14,872	8,350	3,975	4,822



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1982 to Sept 1983												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	101	183	1,330	517	1,780	19,600	2,520	2,110	964	351	120	213
2	99	162	846	480	1,510	11,900	2,520	1,810	1,100	441	119	189
3	105	149	993	446	1,320	9,540	1,920	1,480	919	355	124	149
4	98	145	705	421	1,170	5,370	1,660	1,450	912	331	122	135
5	89	144	586	401	1,320	4,230	1,460	1,450	851	318	124	132
6	94	142	500	381	5,320	3,830	1,330	1,950	815	295	120	116
7	124	141	427	372	6,260	5,740	1,230	1,450	786	281	118	109
8	119	158	366	358	6,070	4,250	1,160	1,220	751	278	120	108
9	101	200	336	342	5,390	2,960	1,120	1,140	734	264	118	101
10	96	172	317	327	11,300	2,620	1,170	1,060	751	244	111	103
11	93	150	297	315	4,960	5,120	1,040	983	835	235	107	100
12	88	145	288	307	6,180	9,170	995	938	711	219	107	103
13	87	142	354	300	5,220	12,900	929	925	655	199	103	97
14	88	142	304	293	3,740	5,270	876	881	602	193	106	92
15	90	141	4,300	291	3,420	3,560	841	881	575	191	100	93
16	88	141	3,430	321	3,430	3,120	815	863	541	187	106	95
17	93	191	3,940	375	2,820	5,310	801	830	517	185	101	90
18	89	4,010	2,020	2,290	5,240	4,420	794	833	541	187	99	90
19	91	1,240	1,170	4,250	3,730	2,830	953	869	517	175	96	86
20	98	565	5,630	1,450	3,010	2,470	1,060	931	485	177	121	86
21	114	373	9,910	1,020	2,630	3,460	998	1,010	463	171	134	88
22	198	307	6,140	2,750	2,360	5,940	944	1,010	429	166	131	106
23	246	274	3,940	2,780	2,260	3,010	1,140	1,020	421	161	131	306
24	237	246	1,890	10,800	2,680	3,600	2,510	1,040	414	151	130	223
25	195	226	1,430	3,040	7,210	2,670	1,860	990	408	151	114	164
26	409	209	1,190	12,600	5,720	2,100	1,410	1,020	392	151	115	153
27	266	223	983	8,420	10,800	3,870	1,770	1,020	377	154	110	146
28	187	2,970	782	3,510	8,120	2,540	3,140	1,020	361	146	111	145
29	181	3,920	667	3,550	3,550	3,160	2,170	1,040	351	140	112	136
30	390	3,350	602	3,530	4,680	4,680	1,840	1,030	337	137	113	139
31	256		551	2,270		4,300		1,020		131	116	
Total	4,610	20,561	56,224	68,507	124,970	163,540	42,976	35,274	18,515	6,765	3,559	3,893
Mean	149	685	1,814	2,210	4,463	5,275	1,433	1,138	617	218	115	130
Max	409	4010	9910	12600	11300	19600	3140	2110	1100	441	134	306
Min	87	141	288	291	1170	2100	794	830	337	131	96	86
AC-FT	9144	40782	111519	135882	247874	324377	85242	69965	36724	13418	7059	7722



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1983 to Sept 1984												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	162	220	405	2,140	387	608	520	411	277	81	53	68
2	164	244	443	1,740	375	613	469	577	268	78	52	51
3	158	196	5,650	1,480	366	586	438	540	254	73	51	51
4	151	185	1,860	1,320	361	560	425	618	268	73	51	49
5	150	186	1,020	1,210	354	549	422	569	356	69	51	47
6	138	186	3,780	1,120	350	526	414	512	407	69	51	45
7	146	281	6,550	1,040	344	520	392	474	381	69	49	43
8	145	206	3,110	971	341	509	586	465	357	64	48	43
9	145	229	7,740	907	445	495	485	453	292	65	48	43
10	146	1,750	5,610	856	509	490	595	431	263	62	46	44
11	136	1,710	9,260	808	396	480	576	442	244	59	43	41
12	130	1,510	3,540	755	472	477	464	526	219	59	42	41
13	128	1,720	2,560	715	3,370	1,130	428	486	202	61	43	43
14	125	891	2,050	673	1,450	1,260	408	467	175	60	43	44
15	126	494	1,640	662	3,320	1,330	407	454	160	59	45	44
16	131	1,370	1,660	682	3,340	1,160	400	417	155	57	47	44
17	132	3,000	1,970	613	1,400	1,490	414	400	147	60	42	44
18	125	1,010	1,310	578	1,060	929	580	376	144	60	43	44
19	128	1,530	1,110	556	899	796	1,360	367	138	64	44	45
20	126	1,580	989	535	806	742	904	366	138	63	45	54
21	124	759	850	536	1,760	694	710	368	132	60	45	60
22	125	547	762	522	1,050	643	612	353	129	57	41	50
23	147	1,370	765	492	872	609	544	337	114	60	40	49
24	207	5,400	8,560	474	858	591	476	337	113	59	40	48
25	155	1,690	15,400	458	844	566	451	334	113	58	40	45
26	135	891	11,700	442	738	550	431	329	106	61	43	46
27	132	650	7,300	430	693	523	419	322	96	59	44	46
28	136	540	3,320	428	655	504	400	317	99	58	43	46
29	137	468	2,450	414	631	481	389	304	93	55	44	45
30	201	426	5,490	402	471	471	374	291	85	55	47	81
31	235		2,930	396		506		273		54	103	
Total	4,526	31,239	121,784	24,355	28,446	21,388	15,493	12,916	5,925	1,941	1,467	1,444
Mean	146	1,041	3,929	786	981	690	516	417	198	63	47	48
Max	235	5,400	15,400	2,140	3,370	1,490	1,360	618	407	81	103	81
Min	124	185	405	396	341	471	374	273	85	54	40	41
AC-FT	8,977	61,962	241,555	48,307	56,422	42,422	30,730	25,618	11,752	3,850	2,910	2,864



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1984 to Sept 1985												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	162	151	686	246	177	221	789	228	166	29	23	19
2	119	217	666	238	184	230	634	231	180	31	23	18
3	104	499	1,440	232	182	212	563	236	161	30	23	21
4	109	274	760	225	178	215	509	225	139	28	24	20
5	114	201	640	217	169	238	521	212	131	30	21	20
6	115	285	532	214	170	293	522	212	124	29	21	23
7	120	434	460	300	758	626	524	208	107	29	21	29
8	120	1,150	411	360	4,310	635	511	198	94	24	21	336
9	121	612	393	358	1,080	487	501	184	77	26	21	481
10	143	1,040	1,170	381	639	766	501	182	74	26	19	296
11	800	3,150	1,880	301	487	632	493	187	56	25	18	160
12	254	1,930	989	270	420	464	483	168	50	24	16	127
13	170	3,580	752	253	388	381	461	168	45	26	14	106
14	151	1,420	608	244	344	337	455	163	44	26	13	104
15	132	761	708	240	320	312	460	146	43	24	16	99
16	156	1,260	1,180	233	308	291	445	148	43	22	17	94
17	279	785	753	222	298	282	409	150	41	23	17	88
18	178	1,310	636	219	281	280	373	153	39	23	19	84
19	175	881	536	217	272	269	363	147	38	24	21	89
20	166	1,580	465	214	257	261	333	133	41	22	21	82
21	157	1,300	435	209	249	260	341	120	42	22	19	82
22	146	676	394	203	247	253	361	114	40	25	20	76
23	138	510	368	198	244	244	323	123	39	30	21	72
24	135	6,390	347	198	242	368	293	114	37	28	20	62
25	128	1,420	328	190	235	378	273	108	35	29	22	50
26	126	849	314	192	231	432	262	102	33	26	20	52
27	126	2,430	298	188	227	905	250	102	34	26	18	52
28	128	2,980	287	193	221	1,320	247	99	32	26	18	55
29	209	1,190	271	208		1,140	243	238	31	22	18	56
30	242	837	265	185		1,050	235	180	29	19	20	53
31	171		261	178		952		154		22	19	
Total	5,394	40,102	19,233	7,326	13,118	14,734	12,678	5,133	2,045	796	604	2,906
Mean	174	1,337	620	236	469	475	423	166	68	26	19	97
Max	800	6,390	1,880	381	4,310	1,320	789	238	180	31	24	481
Min	104	151	261	178	169	212	235	99	29	19	13	18
AC-FT	10,699	79,541	38,148	14,531	26,019	29,224	25,146	10,181	4,056	1,579	1,198	5,764



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1985 to Sept 1986												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	56	119	839	193	2,870	1,330	647	309	238	74	47	39
2	52	118	5,410	251	5,900	1,220	609	297	221	71	47	36
3	50	117	3,340	294	4,550	1,110	572	901	209	71	44	31
4	49	114	894	387	2,640	1,030	548	873	210	72	41	32
5	46	115	1,560	1,600	1,710	980	531	889	207	69	36	33
6	49	113	1,050	1,330	1,300	924	512	933	202	62	35	31
7	69	114	1,660	705	1,060	4,110	546	646	196	65	34	32
8	97	113	998	504	901	19,100	604	574	184	67	33	32
9	74	110	575	437	789	5,030	537	534	174	65	30	33
10	74	121	438	384	705	10,300	500	535	165	64	32	32
11	85	129	361	341	647	4,630	479	495	152	63	34	36
12	82	115	328	316	3,750	3,450	491	458	144	57	34	35
13	76	112	292	292	5,780	3,350	468	434	138	59	34	38
14	74	108	275	285	11,600	2,580	442	415	125	55	33	41
15	67	111	259	441	8,010	5,910	476	392	119	52	32	41
16	65	126	236	4,530	6,240	4,250	692	370	122	57	31	59
17	59	119	226	3,970	21,400	2,200	752	354	114	57	33	101
18	55	115	216	2,240	9,330	1,630	538	336	106	56	33	187
19	61	110	205	1,330	10,600	1,370	486	329	109	55	33	184
20	68	109	187	1,330	7,190	1,210	458	326	112	54	30	140
21	228	110	178	863	5,860	1,100	451	318	107	49	33	112
22	245	110	174	704	4,200	1,010	438	306	104	44	33	108
23	489	117	178	1,090	3,130	938	425	298	90	43	32	97
24	291	209	173	762	2,550	957	400	288	78	47	32	110
25	187	383	170	605	2,130	887	398	286	85	46	35	182
26	156	222	165	520	1,830	817	377	265	78	46	31	211
27	136	171	167	477	1,630	769	354	258	92	45	32	419
28	129	1,470	162	453	1,460	744	350	254	83	48	35	186
29	124	3,850	157	3,650	701	337	246	79	46	46	35	139
30	126	1,020	178	6,050	670	328	242	77	44	44	33	123
31	121		209	3,580		649		237		46	35	
Total	3,540	9,970	21,260	39,914	129,762	84,956	14,746	13,398	4,120	1,749	1,072	2,880
Mean	114	332	686	1,288	4,634	2,741	492	432	137	56	35	96
Max	489	3,850	5,410	6,050	21,400	19,100	752	933	238	74	47	419
Min	46	108	157	193	647	649	328	237	77	43	30	31
AC-FT	7,021	19,775	42,169	79,168	257,379	168,508	29,248	26,575	8,172	3,469	2,126	5,712



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1986 to Sept 1987												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	118	135	106	536	564	234	480	230	65	26	16	12
2	113	129	106	623	1,850	231	465	253	62	24	16	11
3	107	121	108	1,980	1,410	314	460	221	61	25	15	15
4	106	121	108	4,060	690	319	444	195	56	19	16	16
5	106	120	151	818	504	3,750	419	180	52	20	14	17
6	100	113	175	457	415	2,440	397	156	50	24	11	16
7	92	113	149	343	357	1,160	386	150	49	26	12	16
8	100	113	130	272	319	818	377	144	57	22	12	17
9	97	112	118	227	300	678	370	151	54	22	11	18
10	96	114	114	205	366	687	369	153	45	19	7.8	19
11	92	110	112	191	1,320	3,320	403	136	42	20	10	20
12	85	110	111	183	3,080	11,700	375	129	41	18	11	22
13	82	110	111	173	8,450	8,260	363	121	39	17	8.9	22
14	88	108	124	163	2,280	4,470	345	111	35	12	12	21
15	79	109	126	157	3,640	3,150	347	105	34	17	13	20
16	80	107	113	138	1,460	1,860	339	103	36	10	12	23
17	103	107	112	144	916	1,380	322	121	30	11	9.2	22
18	150	104	117	150	684	1,180	318	100	33	25	13	22
19	113	109	149	145	555	1,010	289	98	35	38	14	21
20	106	112	185	139	476	849	273	88	31	32	17	17
21	106	153	148	135	425	1,190	257	85	32	25	15	17
22	107	142	152	135	381	1,010	250	92	35	20	15	18
23	101	117	206	161	347	1,930	234	87	34	28	16	16
24	106	110	157	1,880	326	1,260	214	86	31	26	15	19
25	116	109	139	1,880	298	933	209	90	27	22	14	18
26	112	111	132	853	274	778	207	90	25	23	15	18
27	121	106	134	746	259	672	210	91	25	19	15	20
28	133	106	125	2,470	247	607	205	89	24	18	17	20
29	125	114	122	753		558	211	89	26	18	20	21
30	205	114	123	2,010		520	216	83	30	18	21	19
31	166		132	912		496		75		12	18	
Total	3,411	3,459	4,095	23,039	32,193	57,764	9,754	3,902	1,196	656	432	553
Mean	110	115	132	743	1,150	1,863	325	126	40	21	14	18
Max	205	153	206	4,060	8,450	11,700	480	253	65	38	21	23
Min	79	104	106	135	247	231	205	75	24	10	7.8	11
AC-FT	6,766	6,861	8,122	45,697	63,854	114,573	19,347	7,739	2,372	1,301	856	1,097



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1987 to Sept 1988												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17	60	2,360	342	530	784	124	306	199	52	14	15
2	17	89	3,490	300	447	486	121	269	246	44	11	17
3	20	90	1,170	3,170	389	335	126	253	201	36	11	14
4	19	76	526	7,960	348	297	138	235	182	34	11	12
5	19	74	614	3,170	319	287	122	245	176	34	14	13
6	27	74	1,780	2,200	294	354	119	250	207	36	16	12
7	26	78	1,070	2,080	281	348	124	410	306	34	17	12
8	20	83	1,140	3,410	265	303	123	1,130	390	32	13	11
9	20	105	6,010	4,220	255	288	118	840	285	30	12	11
10	21	110	6,290	3,100	245	275	116	509	252	27	12	11
11	24	89	1,750	2,800	236	254	108	402	223	26	14	9.2
12	28	83	843	1,320	234	241	102	353	202	25	16	11
13	32	112	554	956	231	231	105	348	185	27	16	12
14	31	207	425	797	227	223	153	313	155	26	15	12
15	30	123	353	1,840	224	220	185	283	155	26	16	14
16	34	102	554	2,500	216	211	155	333	134	23	18	14
17	34	107	474	1,580	209	200	155	711	117	24	18	11
18	33	113	328	959	202	193	216	417	108	20	18	13
19	28	98	276	707	196	190	491	330	98	20	20	12
20	30	103	243	566	193	188	683	287	89	18	17	13
21	30	165	227	482	190	190	546	260	82	17	17	13
22	32	131	247	421	187	196	1,260	237	84	15	18	13
23	40	110	255	381	186	193	1,050	219	71	12	17	14
24	49	104	210	356	183	191	558	212	67	12	17	15
25	47	94	192	329	181	180	430	189	64	13	17	17
26	44	96	185	308	179	179	364	172	64	16	18	18
27	37	94	177	292	182	170	327	164	58	18	16	22
28	43	97	253	283	190	164	301	178	52	17	13	23
29	54	93	1,060	673	195	147	287	346	46	17	12	23
30	54	158	641	1,240		143	357	237	49	16	15	22
31	61		403	647		128		198		13	15	
Total	1,001	3,118	34,100	49,389	7,214	7,789	9,064	10,636	4,547	760	474	429
Mean	32	104	1,100	1,593	249	251	302	343	152	25	15	14
Max	61	207	6,290	7,960	530	784	1,260	1,130	390	52	20	23
Min	17	60	177	283	179	128	102	164	46	12	11	9.2
AC-FT	1,985	6,184	67,636	97,962	14,309	15,449	17,978	21,096	9,019	1,507	940	851



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1988 to Sept 1989												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23	38	251	740	354	364	1,490	511	167	65	24	27
2	23	48	223	623	324	6,310	3,000	467	158	64	22	21
3	23	152	204	599	291	2,070	2,880	449	152	62	25	24
4	22	145	190	584	270	1,310	1,910	438	140	56	25	25
5	23	89	178	984	221	4,120	1,610	431	142	53	25	23
6	21	78	169	841	196	3,340	1,370	417	152	51	23	24
7	21	78	157	698	213	2,120	1,240	406	148	46	22	23
8	19	74	158	662	205	7,670	1,160	388	140	42	24	25
9	23	87	153	1,060	219	9,680	1,100	384	130	39	19	23
10	22	277	149	2,950	213	5,140	1,020	500	126	38	22	23
11	24	248	144	1,330	213	7,950	940	484	121	37	21	23
12	27	143	140	786	201	3,480	888	374	118	33	21	26
13	32	311	142	609	192	2,920	822	350	115	37	21	25
14	33	463	136	501	184	2,010	775	331	112	35	19	26
15	36	209	128	416	175	1,620	756	311	112	31	20	23
16	34	677	127	380	174	3,140	726	285	121	33	20	28
17	32	761	127	394	176	2,050	687	274	109	36	20	191
18	30	261	124	418	201	3,300	653	265	104	34	21	832
19	29	173	133	505	1,440	4,880	622	248	99	32	21	187
20	31	147	241	492	658	2,380	608	238	87	30	22	113
21	28	155	761	433	472	1,820	690	223	77	30	22	94
22	24	6,410	1,530	2,010	736	1,530	744	211	76	28	20	87
23	22	5,260	954	2,250	1,170	1,380	1,460	314	68	27	30	82
24	25	968	1,040	922	704	4,660	1,580	285	64	25	35	83
25	26	1,530	947	649	555	5,220	977	247	58	23	31	85
26	21	883	651	529	473	2,630	895	227	56	20	28	84
27	26	593	470	455	421	1,950	715	207	54	23	28	88
28	31	449	391	401	380	2,150	625	203	57	24	25	88
29	32	368	376	367		1,720	560	202	59	20	24	96
30	33	292	372	363		1,390	529	189	67	21	25	100
31	37		778	361		1,500		174		24	25	
Total	833	21,367	11,544	24,312	11,031	101,804	33,032	10,033	3,189	1,119	730	2,599
Mean	27	712	372	784	394	3,284	1,101	324	106	36	24	87
Max	37	6,410	1,530	2,950	1,440	9,680	3,000	511	167	65	35	832
Min	19	38	124	361	174	364	529	174	54	20	19	21
AC-FT	1,652	42,381	22,897	48,222	21,880	201,925	65,518	19,900	6,325	2,220	1,448	5,155



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1989 to Sept 1990												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	100	152	128	109	882	266	281	133	1,760	59	17	18
2	94	143	126	130	515	728	269	122	1,080	54	17	19
3	88	139	125	116	624	1,690	251	118	843	54	18	18
4	86	136	123	108	1,390	1,540	248	113	703	51	15	17
5	86	134	123	106	657	2,370	261	97	579	49	14	17
6	86	131	123	106	710	1,090	254	84	494	51	13	16
7	85	130	126	4,780	528	794	246	79	443	49	12	19
8	83	129	118	9,010	425	913	252	74	380	45	13	20
9	84	129	122	1,880	372	709	276	72	334	41	14	21
10	81	128	118	851	347	2,280	241	68	288	39	13	19
11	80	125	115	544	331	1,350	226	64	257	38	12	22
12	80	123	115	2,390	305	875	222	63	216	34	9.4	23
13	78	121	111	4,320	266	692	210	63	197	34	11	21
14	80	122	112	2,510	240	628	203	70	176	32	11	21
15	81	118	113	1,060	222	578	186	70	154	28	11	22
16	78	118	113	2,380	297	511	191	65	170	27	12	23
17	78	119	111	1,120	364	471	189	63	167	33	13	23
18	78	117	108	689	412	441	185	56	149	33	29	22
19	74	117	106	525	464	423	169	60	130	30	26	25
20	78	117	106	433	400	409	170	82	115	30	20	21
21	86	113	106	368	371	398	161	120	110	28	19	21
22	134	113	106	325	501	384	164	129	107	25	19	21
23	1,090	114	106	293	442	390	216	668	94	24	19	17
24	2,340	127	106	266	381	380	366	344	85	26	16	24
25	1,550	197	106	245	343	370	227	211	80	22	12	27
26	401	438	105	230	319	358	188	207	76	23	18	29
27	376	197	102	213	293	349	176	1,260	70	23	19	31
28	309	153	104	200	279	340	164	1,560	69	19	20	31
29	212	138	104	194		319	150	1,630	67	18	21	27
30	179	130	105	223		306	144	4,920	63	18	23	25
31	163		104	244		296		4,510		19	22	
Total	8,498	4,268	3,496	35,968	12,680	22,648	6,486	17,175	9,456	1,056	508	660
Mean	274	142	113	1,160	453	731	216	554	315	34	16	22
Max	2,340	438	128	9,010	1,390	2,370	366	4,920	1,760	59	29	31
Min	74	113	102	106	222	266	144	56	63	18	9.4	16
AC-FT	16,856	8,465	6,934	71,341	25,150	44,922	12,865	34,066	18,756	2,095	1,008	1,309



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1990 to Sept 1991												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23	144	76	73	73	282	353	191	109	27	3.2	2.9
2	26	88	72	74	305	513	337	193	99	23	2.7	1.5
3	24	79	73	79	515	1,600	316	185	90	19	0.44	0.59
4	26	77	73	74	327	4,360	278	174	86	14	1.3	0.52
5	23	77	74	74	824	2,050	265	170	77	13	1.7	1.2
6	23	74	74	73	286	605	444	168	72	11	3.2	3.2
7	23	71	74	84	173	371	440	166	66	8.7	2.4	1.6
8	24	73	72	91	138	270	341	164	61	8.8	4.5	1.4
9	24	74	73	87	123	221	295	180	55	11	6.6	0.84
10	24	71	80	88	110	512	256	157	52	7.5	3.0	0.16
11	25	70	108	85	105	709	230	137	51	8.1	0.85	0.92
12	24	72	95	87	101	2,770	222	128	41	6.2	0.11	6.5
13	26	69	82	112	96	3,220	210	158	36	3.5	2.4	6.5
14	24	79	78	123	96	1,130	204	244	31	4.4	1.7	4.0
15	26	88	82	97	96	834	200	179	29	2.9	0.03	3.6
16	26	80	86	87	94	510	200	170	29	5.5	0.29	3.8
17	27	78	83	83	91	520	196	215	27	7.1	0.90	5.5
18	28	80	81	80	90	1,100	192	257	30	5.7	1.6	4.9
19	33	76	80	79	91	683	181	252	27	5.5	1.1	4.6
20	31	76	78	77	89	567	185	224	25	6.4	2.8	4.5
21	33	77	59	75	88	488	213	210	21	6.9	5.0	4.0
22	35	75	53	74	88	384	195	194	18	7.0	4.6	0.48
23	34	73	58	75	87	900	201	178	17	7.5	3.9	2.4
24	28	73	73	74	88	2,740	225	177	17	3.8	2.8	5.7
25	29	75	83	73	85	3,100	284	169	19	6.8	0.05	5.1
26	32	84	88	73	84	2,920	268	154	21	7.2	0.82	5.2
27	33	76	80	71	83	1,330	247	137	21	4.3	3.7	4.5
28	34	74	70	69	90	805	230	128	22	2.4	5.6	4.8
29	35	73	68	69		579	212	112	31	4.7	8.1	7.6
30	34	76	63	70		467	200	133	34	5.3	8.2	6.4
31	95		69	71		405		146		3.6	6.0	
Total	932	2,352	2,358	2,501	4,516	36,945	7,620	5,450	1,314	258	90	105
Mean	30	78	76	81	161	1,192	254	176	44	8.3	2.9	3.5
Max	95	144	108	123	824	4,360	444	257	109	27	8.2	7.6
Min	23	69	53	69	73	221	181	112	17	2.4	0.03	0.16
AC-FT	1,849	4,665	4,677	4,961	8,957	73,279	15,114	10,810	2,606	511	178	208



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca

Streamflow (cfs), Water Year Oct 1991 to Sept 1992

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.2	42	61	160	614	357	221	134	7.3	32	3.4	0.77
2	5.3	42	61	123	473	347	216	128	14	38	1.9	0.47
3	4.8	44	59	106	252	301	206	115	13	25	1.2	0.23
4	5.5	44	56	674	192	281	203	103	15	18	0.71	0.17
5	5.3	44	57	1,790	164	664	206	79	8.3	16	1.4	0.34
6	5.3	43	61	496	149	1,310	189	68	7.6	15	2.8	1.1
7	4.8	45	81	1,100	143	840	176	76	5.5	13	4.4	1.3
8	4.1	46	81	507	141	543	169	77	12	12	2.3	1.2
9	4.4	55	67	291	150	420	168	58	14	12	1.3	4.8
10	3.8	59	64	217	562	351	193	54	7.7	11	1.2	4.5
11	3.4	49	63	179	1,560	314	205	50	6.0	9.0	1.2	2.5
12	4.3	47	62	158	4,840	285	696	50	14	7.4	1.2	4.4
13	3.0	48	62	141	1,710	263	827	46	17	5.6	1.2	2.3
14	4.2	47	61	134	2,440	298	475	49	23	13	1.1	1.3
15	4.8	45	60	129	2,990	1,190	364	44	24	13	1.2	5.6
16	8.7	48	60	121	1,670	4,370	341	40	21	10	1.1	4.1
17	9.2	61	60	117	3,930	2,190	991	37	26	5.7	1.2	4.1
18	11	119	246	114	2,080	1,020	629	50	17	3.0	1.2	3.7
19	11	84	221	108	5,190	681	443	53	19	2.7	1.4	3.5
20	12	74	113	104	3,880	528	364	46	16	7.5	2.2	3.2
21	7.4	83	86	101	3,080	434	315	55	6.4	4.5	1.9	3.2
22	7.0	73	78	101	3,040	392	286	45	7.3	9.1	1.7	3.3
23	8.0	65	73	98	1,370	405	240	27	9.0	5.9	2.4	3.2
24	13	62	70	97	875	344	213	33	14	4.8	3.2	3.4
25	24	61	68	98	648	311	205	25	15	3.7	1.2	6.5
26	109	59	67	99	524	283	185	33	7.5	1.4	1.4	4.4
27	117	62	66	96	438	262	174	32	9.1	0.82	2.9	4.0
28	55	73	215	113	377	243	160	21	4.9	1.2	2.0	3.5
29	49	64	1,860	137	342	233	145	19	16	5.7	0.56	4.6
30	46	60	620	116		228	145	17	28	6.1	0.75	9.9
31	44		250	105		235		13		3.8	0.92	
Total	601	1,748	5,109	7,930	43,824	19,923	9,350	1,677	405	316	53	96
Mean	19	58	165	256	1,511	643	312	54	13	10	1.7	3.2
Max	117	119	1,860	1,790	5,190	4,370	991	134	28	38	4.4	9.9
Min	3.0	42	56	96	141	228	145	13	4.9	0.82	0.56	0.17
AC-FT	1,191	3,467	10,134	15,729	86,924	39,517	18,545	3,326	803	627	104	190



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1992 to Sept 1993												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.1	756	73	9,630	488	798	1,650	916	3,500	238	88	79
2	9.9	379	78	1,810	464	741	1,390	919	1,800	215	95	68
3	12	188	87	888	426	768	1,220	1,330	1,370	198	88	57
4	14	112	71	624	388	695	3,160	1,270	2,370	187	73	54
5	11	88	59	600	387	613	1,950	1,010	2,240	176	74	54
6	11	77	945	615	624	676	1,540	959	1,740	174	73	49
7	11	72	1,550	3,100	456	595	1,320	941	1,990	166	68	63
8	10	69	3,730	2,790	1,220	600	1,480	855	1,530	158	77	63
9	14	63	6,100	2,140	3,930	630	2,470	806	1,220	152	76	76
10	14	59	8,000	2,870	1,860	650	1,530	851	1,060	134	73	63
11	8.3	58	2,880	1,410	2,940	660	1,310	839	945	150	69	55
12	7.0	64	1,400	971	3,530	675	1,190	822	840	136	80	51
13	12	73	695	4,980	1,780	665	1,080	717	756	126	78	49
14	18	73	469	9,130	1,260	732	1,050	676	687	124	71	49
15	9.5	72	365	3,260	995	965	1,050	640	642	132	84	49
16	8.6	71	297	3,780	838	1,180	976	630	584	122	100	49
17	12	71	291	2,060	1,960	10,800	4,710	620	565	119	92	52
18	18	70	275	1,520	5,620	6,470	3,120	605	532	116	90	67
19	18	73	214	1,230	8,270	3,320	1,720	595	494	115	86	59
20	22	75	256	13,500	4,640	2,380	1,400	590	468	112	184	56
21	53	74	243	11,200	2,780	1,930	1,260	595	422	99	147	53
22	55	88	222	7,330	2,970	1,600	1,180	620	382	109	100	54
23	36	90	192	2,770	4,520	2,760	1,080	588	376	121	91	58
24	35	68	186	1,810	2,610	8,110	1,490	570	342	102	89	59
25	33	61	166	1,320	1,720	3,170	1,130	533	327	99	83	49
26	37	61	158	1,050	1,310	2,170	1,110	541	299	90	78	50
27	39	60	158	885	1,060	1,760	999	622	277	84	73	62
28	48	60	1,290	743	913	1,570	994	646	279	89	84	54
29	117	73	914	626		1,370	946	583	263	99	67	52
30	1,820	73	602	557		1,250	946	536	251	88	63	65
31	299		5,460	519		1,170		7,560		87	65	
Total	2,819	3,271	37,426	95,718	59,959	61,473	46,451	29,985	28,551	4,117	2,659	1,718
Mean	91	109	1,207	3,088	2,141	1,983	1,548	967	952	133	86	57
Max	1,820	756	8,000	13,500	8,270	10,800	4,710	7,560	3,500	238	184	79
Min	7.0	58	59	519	387	595	946	533	251	84	63	49
AC-FT	5,592	6,488	74,233	189,854	118,927	121,930	92,134	59,474	56,630	8,166	5,274	3,408



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1993 to Sept 1994												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	70	121	267	159	204	927	264	212	121	24	3.4	8.2
2	56	115	199	178	193	738	257	200	124	20	6.0	8.9
3	50	114	175	164	184	648	247	191	112	17	6.2	7.3
4	59	114	169	163	177	588	244	208	99	18	5.9	5.2
5	61	114	164	202	170	685	228	339	95	19	6.0	5.3
6	76	114	160	184	782	605	233	386	114	16	3.7	7.3
7	68	114	169	168	3,000	515	266	646	119	15	2.6	8.7
8	64	108	927	163	2,280	464	253	537	98	17	5.3	9.9
9	67	103	919	206	954	431	623	442	89	16	6.6	11
10	97	101	514	184	3,380	439	384	389	81	15	8.1	9.3
11	132	127	2,560	169	1,480	547	306	355	69	13	5.4	10
12	157	127	1,320	160	841	422	278	330	63	14	4.7	13
13	133	127	605	153	632	388	266	300	58	13	2.9	14
14	166	127	3,190	149	505	371	259	262	50	12	2.4	16
15	543	127	1,070	148	433	365	250	259	48	11	2.4	16
16	2,520	127	543	143	393	504	228	314	52	11	4.1	14
17	508	127	395	137	2,220	770	239	297	50	10	4.0	12
18	267	127	324	136	1,610	502	240	260	47	8.7	4.9	11
19	208	127	282	136	2,120	470	241	325	44	11	4.7	11
20	175	125	249	132	2,950	420	245	352	44	11	3.1	10
21	158	119	230	134	2,500	390	237	285	43	9.7	3.6	7.6
22	150	116	208	137	1,530	382	234	252	41	8.2	3.2	8.8
23	133	113	186	616	1,010	359	230	217	37	7.6	4.9	11
24	127	108	174	2,220	783	341	282	190	36	7.6	6.1	10
25	127	105	168	991	684	321	324	171	33	9.0	8.3	13
26	127	107	166	685	958	304	431	166	28	8.6	7.4	17
27	127	107	162	443	2,820	286	300	163	33	8.2	7.7	18
28	127	112	157	345	1,300	280	257	146	32	8.0	8.8	19
29	127	242	152	290		280	230	138	26	7.1	8.0	22
30	126	678	150	251		277	221	134	23	5.4	9.3	26
31	122		152	224		271		120		5.9	9.8	
Total	6,928	4,193	16,106	9,570	36,093	14,290	8,297	8,586	1,909	377	169.5	360.5
Mean	223	140	520	309	1,289	461	277	277	64	12	5.5	12
Max	2,520	678	3,190	2,220	3,380	927	623	646	124	24	9.8	26
Min	50	101	150	132	170	271	221	120	23	5.4	2.4	5.2
AC-FT	13,741	8,317	31,946	18,982	71,589	28,344	16,457	17,030	3,786	748	336	715



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1994 to Sept 1995												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22	47	141	296	8,410	532	1,150	10,200	533	233	91	69
2	20	65	173	266	4,280	6,060	1,090	4,670	541	181	87	65
3	20	63	2,440	256	2,750	6,310	1,020	2,860	524	175	89	64
4	22	59	1,520	845	2,030	2,730	974	2,190	500	180	85	68
5	32	89	475	933	1,640	1,760	967	1,870	499	204	82	65
6	30	106	401	1,430	1,410	1,350	2,250	1,660	452	190	77	63
7	29	115	365	5,340	1,250	1,130	2,690	1,410	430	186	77	61
8	28	93	249	8,070	1,450	2,680	2,400	1,240	407	181	73	62
9	27	173	194	14,200	1,140	12,300	1,890	1,190	384	178	71	61
10	27	378	167	9,520	994	10,100	1,540	1,120	379	178	75	60
11	28	173	173	3,650	908	6,170	1,370	1,170	407	174	74	61
12	30	123	1,020	5,060	849	5,260	1,270	1,040	358	173	72	62
13	27	118	1,860	14,000	1,490	8,190	1,760	1,140	352	183	75	64
14	27	100	1,800	6,260	1,220	14,600	1,390	957	457	166	77	60
15	27	133	1,590	4,010	948	9,360	1,210	930	889	163	74	61
16	28	306	1,400	3,060	819	4,430	1,110	894	997	161	72	63
17	27	191	867	2,020	746	3,240	1,030	862	803	156	71	59
18	28	147	877	1,490	717	3,190	1,510	863	1,110	140	70	59
19	30	115	652	1,180	666	3,010	1,130	787	840	152	68	58
20	30	103	452	1,010	616	6,950	1,090	751	661	136	66	51
21	32	99	364	903	578	5,480	976	732	582	122	64	56
22	29	95	310	3,330	552	5,250	899	719	531	112	64	62
23	31	92	276	7,230	539	4,420	853	703	485	116	66	62
24	33	93	485	4,850	531	3,550	818	680	437	116	66	60
25	32	319	576	2,530	519	2,520	813	662	398	114	58	65
26	32	362	370	3,470	503	1,940	803	632	305	110	62	68
27	35	205	323	4,940	494	1,670	955	619	300	114	59	70
28	37	209	1,180	6,420	485	1,490	1,060	612	343	106	62	73
29	38	168	595	3,380	1,360	1,360	8,950	582	344	104	66	74
30	37	143	412	8,490	1,260	3,750	559	336	336	97	68	67
31	41		336	10,000		1,170		542		94	68	
Total	916	4,482	22,043	138,439	38,534	139,462	48,718	44,846	15,584	4,695	2,229	1,893
Mean	30	149	711	4,466	1,376	4,499	1,624	1,447	519	151	72	63
Max	41	378	2,440	14,200	8,410	14,600	8,950	10,200	1,110	233	91	74
Min	20	47	141	256	485	532	803	542	300	94	58	51
AC-FT	1,817	8,890	43,722	274,590	76,431	276,619	96,631	88,951	30,910	9,312	4,421	3,755



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1995 to Sept 1996												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	63	88	139	651	1,360	1,450	2,010	647	501	138	59	40
2	62	90	190	490	1,100	1,170	2,270	610	448	128	57	40
3	63	91	144	408	1,010	1,050	1,400	578	409	123	51	42
4	61	91	238	366	9,930	2,500	1,080	539	377	109	45	45
5	61	95	239	335	7,170	2,690	936	517	358	112	51	45
6	64	100	241	309	2,780	1,680	840	487	332	103	50	49
7	67	97	186	285	1,970	1,360	788	459	311	97	52	46
8	68	95	160	272	1,590	1,160	752	440	284	95	52	50
9	66	100	146	311	1,370	1,030	714	429	263	96	51	46
10	68	102	151	588	1,210	976	739	402	258	93	45	45
11	69	98	567	359	1,090	1,760	673	393	238	84	41	45
12	83	97	6,150	299	980	3,570	629	383	218	86	40	45
13	81	101	1,460	273	909	1,690	581	379	205	84	39	74
14	75	101	749	256	845	1,320	553	443	205	95	39	97
15	71	99	7,720	782	788	1,100	551	571	196	86	40	92
16	67	99	1,320	7,720	1,160	1,010	1,130	748	185	82	40	99
17	69	102	674	2,480	1,350	922	1,200	1,310	186	81	39	85
18	69	103	472	2,590	1,570	868	2,100	5,230	185	103	41	73
19	62	106	373	3,590	5,530	825	1,170	2,260	177	94	42	70
20	65	110	316	3,970	6,500	796	1,520	1,320	173	85	38	74
21	71	114	275	4,560	6,660	772	1,080	2,010	166	75	39	69
22	66	119	252	1,700	2,900	746	969	3,290	165	76	43	63
23	68	116	238	1,360	2,010	706	854	1,660	168	80	44	69
24	69	111	220	3,490	2,520	657	1,840	1,260	169	82	40	67
25	71	116	206	3,600	1,560	629	1,360	1,040	176	76	42	62
26	77	138	198	1,560	1,280	588	1,060	884	187	69	49	58
27	78	130	195	3,780	1,170	594	908	971	212	65	55	50
28	78	121	237	2,820	1,340	1,050	803	780	205	64	58	46
29	76	119	871	1,790	1,950	686	726	697	173	73	48	51
30	83	119	1,750	2,290		607	680	638	148	66	47	49
31	85		1,060	1,790		575		600		61	45	
Total	2,176	3,168	27,137	55,074	71,602	36,537	31,916	31,975	7,278	2,761	1,422	1,786
Mean	70	106	875	1,777	2,469	1,179	1,064	1,031	243	89	46	60
Max	85	138	7,720	7,720	9,930	3,570	2,270	5,230	501	138	59	99
Min	61	88	139	256	788	575	551	379	148	61	38	40
AC-FT	4,316	6,284	53,825	109,238	142,020	72,470	63,304	63,421	14,436	5,476	2,820	3,542



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1996 to Sept 1997												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	52	122	177	15,600	1,650	367	373	371	121	97	34	44
2	53	116	185	15,900	1,390	476	356	327	117	89	29	47
3	59	115	158	7,780	1,240	410	344	302	130	78	29	47
4	59	114	189	3,230	1,190	402	328	275	293	72	31	41
5	58	118	2,950	2,260	1,110	398	308	264	219	67	29	42
6	58	116	758	1,730	996	385	299	258	165	67	29	42
7	57	111	1,130	1,440	926	328	321	252	141	66	31	40
8	54	112	2,200	1,240	871	338	299	236	125	61	28	41
9	53	112	3,180	1,090	792	325	297	230	130	54	25	43
10	56	112	4,120	982	790	316	305	214	133	58	26	42
11	56	113	2,830	897	705	320	282	206	122	53	35	47
12	53	114	3,170	837	666	333	258	201	121	48	33	45
13	60	115	2,990	740	613	325	252	192	123	48	32	43
14	58	114	1,230	692	578	327	245	185	113	48	30	62
15	59	112	777	669	555	336	234	176	109	45	29	153
16	62	116	587	644	535	558	215	173	103	46	29	104
17	63	154	469	620	787	2,250	213	166	96	45	33	88
18	76	296	386	590	641	969	231	163	89	43	35	98
19	100	263	339	571	570	697	556	158	89	39	33	91
20	95	492	306	605	566	627	568	142	84	40	53	80
21	92	241	367	2,800	507	595	752	139	81	43	74	79
22	95	528	1,170	12,600	480	545	749	138	81	40	63	76
23	98	420	944	3,410	443	511	1,810	172	76	35	52	68
24	109	244	583	2,100	424	470	822	213	72	32	55	62
25	119	202	450	9,320	405	454	628	165	71	31	57	60
26	117	175	3,670	10,600	393	440	560	154	64	33	50	57
27	105	160	3,320	4,800	388	436	489	152	65	31	48	52
28	104	152	2,290	5,530	391	416	442	149	69	37	45	50
29	148	147	4,020	2,920	390	390	419	141	69	39	45	50
30	208	140	6,690	2,050	387	387	388	131	82	36	43	47
31	136		12,000	1,780		409		116		36	43	
Total	2,572	5,446	63,635	116,027	20,602	15,540	13,343	6,161	3,353	1,557	1,208	1,841
Mean	83	182	2,053	3,743	736	501	445	199	112	50	39	61
Max	208	528	12,000	15,900	1,650	2,250	1,810	371	293	97	74	153
Min	52	111	158	571	388	316	213	116	64	31	25	40
AC-FT	5,101	10,802	126,218	230,136	40,863	30,823	26,465	12,220	6,651	3,088	2,396	3,652



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1997 to Sept 1998												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	51	100	1,000	232	7,910	1,430	1,780	1,070	2,030	526	197	119
2	77	97	659	1,410	6,540	1,580	1,570	1,530	1,830	510	193	117
3	88	100	461	1,910	18,500	1,910	1,900	1,390	3,970	491	200	118
4	70	98	350	3,680	5,530	1,410	2,200	1,340	2,280	484	173	112
5	70	97	327	1,430	6,100	1,290	2,290	1,310	1,850	435	152	112
6	73	101	436	1,370	8,560	1,260	2,560	1,240	1,640	420	162	122
7	81	117	3,140	2,120	6,170	1,230	3,520	1,150	1,570	410	166	124
8	99	121	2,440	1,400	4,140	1,410	2,330	1,340	1,500	400	154	128
9	435	119	1,210	1,180	2,740	1,240	2,420	1,960	1,530	390	154	119
10	449	118	682	2,780	4,040	1,100	2,230	1,610	1,420	380	155	130
11	239	135	510	7,620	4,390	1,030	1,820	1,380	2,840	365	146	124
12	156	154	434	11,300	4,230	1,000	1,610	1,630	1,890	355	149	113
13	130	149	379	4,710	4,130	1,840	2,710	1,510	1,860	345	146	115
14	117	227	1,630	7,790	13,100	1,380	2,100	1,640	1,540	330	127	111
15	111	211	2,030	9,100	5,410	1,210	1,800	2,220	1,350	320	129	109
16	108	320	962	8,580	4,140	1,470	1,470	6,870	1,220	310	138	107
17	106	1,060	1,710	12,000	4,980	1,320	1,340	3,200	1,110	300	139	104
18	104	387	1,230	10,300	3,410	1,180	1,240	2,260	1,040	290	147	106
19	102	1,260	731	7,060	8,040	1,080	1,160	1,870	1,000	275	145	108
20	100	789	576	4,600	6,100	1,040	1,060	2,040	946	260	149	104
21	96	347	589	2,790	6,680	1,240	1,110	1,610	892	250	153	113
22	96	270	483	2,030	5,420	9,200	1,070	1,420	843	240	136	112
23	94	442	399	1,700	4,740	4,700	1,080	1,300	803	230	135	114
24	97	1,010	372	1,790	4,420	3,750	1,720	1,250	755	235	134	116
25	94	2,680	317	1,760	2,780	5,620	1,130	4,230	746	226	135	117
26	95	2,310	298	9,660	2,180	3,250	961	3,220	730	220	134	144
27	96	1,350	278	7,200	1,840	2,540	937	4,390	660	219	133	153
28	97	734	254	3,050	1,590	2,250	959	6,280	615	203	126	156
29	98	637	251	5,620	1,890	1,890	981	5,580	582	204	130	143
30	101	3,090	267	4,130	1,640	1,640	1,020	3,350	551	202	126	137
31	100		259	3,060		1,930		2,450		208	116	
Total	3,830	18,630	24,664	143,362	157,810	64,420	50,078	73,640	41,593	10,033	4,579	3,607
Mean	124	621	796	4,625	5,636	2,078	1,669	2,375	1,386	324	148	120
Max	449	3,090	3,140	12,000	18,500	9,200	3,520	6,870	3,970	526	200	156
Min	51	97	251	232	1,590	1,000	937	1,070	551	202	116	104
AC-FT	7,597	36,952	48,920	284,354	313,011	127,775	99,328	146,063	82,498	19,900	9,082	7,154



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1998 to Sept 1999												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	137	173	3,660	296	585	4,120	922	650	410	129	74	65
2	141	168	3,640	279	512	2,560	819	732	494	124	74	64
3	141	171	6,910	271	486	2,620	760	780	579	117	70	62
4	135	168	2,310	266	487	1,950	709	705	477	120	67	61
5	135	168	1,420	263	455	1,620	786	642	420	119	66	54
6	130	173	1,150	258	1,940	1,420	828	615	383	119	65	57
7	127	338	991	252	5,590	1,270	736	622	354	111	85	57
8	134	412	1,050	241	4,250	1,170	937	592	332	108	81	57
9	140	274	841	233	14,800	2,090	941	547	318	98	79	57
10	141	284	692	231	3,710	1,580	985	529	304	109	80	58
11	139	548	620	230	2,250	1,300	1,710	511	288	101	91	65
12	140	270	568	231	1,680	1,150	1,030	495	277	102	89	56
13	142	225	584	229	1,340	1,050	887	501	275	90	90	60
14	135	208	1,020	230	1,450	984	814	499	270	83	86	62
15	138	198	639	254	1,190	916	781	474	262	81	83	59
16	140	200	545	462	3,850	849	774	431	254	88	76	63
17	137	1,050	503	2,560	5,460	804	782	411	243	90	56	62
18	135	487	470	3,380	2,950	787	791	406	237	84	54	63
19	131	304	430	1,900	2,200	760	792	416	227	90	53	59
20	127	245	407	2,310	3,230	789	814	425	213	82	54	60
21	121	976	353	1,870	6,400	781	803	432	216	87	51	59
22	124	2,160	361	1,180	2,930	812	760	437	204	83	45	59
23	127	3,090	334	2,780	2,150	808	728	461	186	85	47	57
24	202	2,000	323	1,570	1,740	2,400	725	473	181	80	47	61
25	266	816	322	1,080	3,480	2,970	729	494	178	84	53	64
26	180	2,000	321	1,040	2,100	1,550	758	500	176	76	49	59
27	171	3,890	311	885	1,760	1,180	813	496	168	74	53	59
28	171	1,220	301	730	3,870	1,000	744	489	163	69	52	51
29	178	4,070	294	648		925	668	483	150	71	53	53
30	166	9,440	288	591		961	649	461	128	72	51	58
31	165		296	614		1,030		425		75	58	
Total	4,596	35,726	31,954	27,364	82,845	44,206	24,975	16,134	8,367	2,901	2,032	1,781
Mean	148	1,191	1,031	883	2,959	1,426	833	520	279	94	66	59
Max	266	9,440	6,910	3,380	14,800	4,120	1,710	780	579	129	91	65
Min	121	168	288	229	455	760	649	406	128	69	45	51
AC-FT	9,116	70,861	63,380	54,276	164,321	87,681	49,537	32,001	16,596	5,754	4,030	3,533



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1999 to Sept 2000												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	57	110	1,450	140	2,190	2,630	476	429	171	76	33	79
2	60	111	520	144	1,340	2,250	500	433	159	77	33	183
3	60	111	429	140	1,160	1,830	527	425	145	77	33	126
4	66	114	296	141	1,710	1,880	540	422	146	77	32	118
5	67	116	247	143	1,760	6,370	535	405	141	97	32	92
6	78	119	218	137	1,430	3,010	522	379	139	96	34	78
7	98	124	206	135	996	2,240	502	405	134	88	34	75
8	93	180	196	135	806	2,680	523	453	199	85	32	70
9	79	180	255	134	695	5,680	574	404	214	79	29	65
10	76	269	411	139	1,290	3,760	527	380	202	71	32	61
11	77	471	284	593	2,100	3,220	494	349	177	66	34	64
12	72	227	249	513	5,870	2,190	484	320	162	61	33	55
13	78	172	328	491	12,700	1,680	649	338	146	62	28	53
14	79	150	285	801	9,560	1,410	768	334	127	64	29	50
15	74	152	232	8,140	3,900	1,210	617	371	114	64	28	58
16	64	175	210	3,270	2,500	1,050	649	439	102	63	26	58
17	67	502	198	1,320	1,870	994	1,740	369	102	61	26	53
18	69	263	190	1,160	1,460	895	1,890	317	105	60	26	48
19	74	381	181	3,860	1,180	837	1,260	297	105	56	31	42
20	70	1,380	175	4,980	1,130	790	865	293	94	61	30	37
21	67	596	171	1,540	1,810	772	719	274	89	51	33	36
22	79	337	164	1,200	2,230	749	647	264	94	49	30	42
23	86	268	160	2,750	4,240	714	597	246	90	44	28	72
24	78	232	157	6,510	1,990	694	547	240	92	45	29	67
25	83	202	153	3,780	1,780	671	512	239	91	42	31	59
26	87	199	150	2,000	5,570	640	502	247	97	40	32	52
27	102	188	147	1,230	5,070	626	498	234	86	45	27	57
28	295	182	144	919	3,310	612	502	214	78	40	26	57
29	178	181	142	746	3,750	589	465	209	75	36	29	57
30	133	1,840	141	2,660	555	438	191	70	33	33	31	52
31	117		140	2,490		506		181		32	33	
Total	2,763	9,532	8,229	52,341	85,397	53,734	20,069	10,101	3,746	1,898	944	2,016
Mean	89	318	265	1,688	2,945	1,733	669	326	125	61	30	67
Max	295	1,840	1,450	8,140	12,700	6,370	1,890	453	214	97	34	183
Min	57	110	140	134	695	506	438	181	70	32	26	36
AC-FT	5,480	18,906	16,322	103,817	169,382	106,580	39,806	20,035	7,430	3,765	1,872	3,999



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1999 to Sept 2001												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	52	177	254	164	315	528	297	271	37	36	13	13
2	55	155	205	162	283	1,140	258	259	37	32	13	13
3	50	141	183	159	270	943	255	232	36	27	12	12
4	49	135	169	158	255	4,080	242	222	37	26	13	13
5	48	132	161	156	240	2,860	232	201	39	21	13	12
6	47	128	155	156	229	1,490	250	195	33	20	13	12
7	46	125	150	156	224	1,010	829	186	34	18	14	13
8	51	124	147	258	212	853	613	177	36	19	12	12
9	57	125	144	348	361	901	412	170	32	20	12	12
10	201	142	151	2,440	1,690	682	361	171	31	19	12	13
11	326	152	159	2,370	1,790	524	313	164	32	19	11	14
12	191	135	403	786	1,280	441	303	152	36	20	12	18
13	135	134	486	480	825	399	260	148	33	18	13	20
14	119	159	2,000	529	578	366	248	147	31	17	13	18
15	111	165	1,400	373	463	336	235	151	29	17	10	17
16	107	154	532	299	403	322	234	177	27	19	10	14
17	103	144	354	261	441	297	231	162	26	19	10	16
18	103	138	288	242	1,200	281	247	140	26	20	10	16
19	103	133	246	232	1,050	261	355	120	26	19	11	17
20	108	132	224	217	1,120	292	400	98	26	17	11	18
21	122	129	219	207	1,860	298	406	92	26	16	12	18
22	111	128	226	198	3,470	302	346	74	24	16	12	18
23	104	126	214	200	2,770	302	313	73	24	16	13	18
24	100	126	204	1,950	2,370	309	299	67	25	15	14	16
25	105	126	197	2,060	3,680	436	296	63	27	12	14	33
26	134	126	185	2,250	1,530	378	305	60	30	12	15	43
27	128	125	179	1,050	933	313	314	58	67	14	15	29
28	456	130	171	687	693	272	320	61	122	15	14	27
29	692	658	165	596		340	308	55	62	15	13	26
30	349	485	167	480		325	268	42	42	14	12	25
31	235		165	374		308		39		13	13	
Total	4,598	4,989	9,903	19,998	30,535	21,589	9,750	4,227	1,093	581	385	546
Mean	148	166	319	645	1,091	696	325	136	36	19	12	18
Max	692	658	2,000	2,440	3,680	4,080	829	271	122	36	15	43
Min	46	124	144	156	212	261	231	39	24	12	10	12
AC-FT	9,120	9,896	19,642	39,665	60,565	42,821	19,339	8,384	2,168	1,152	764	1,083



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

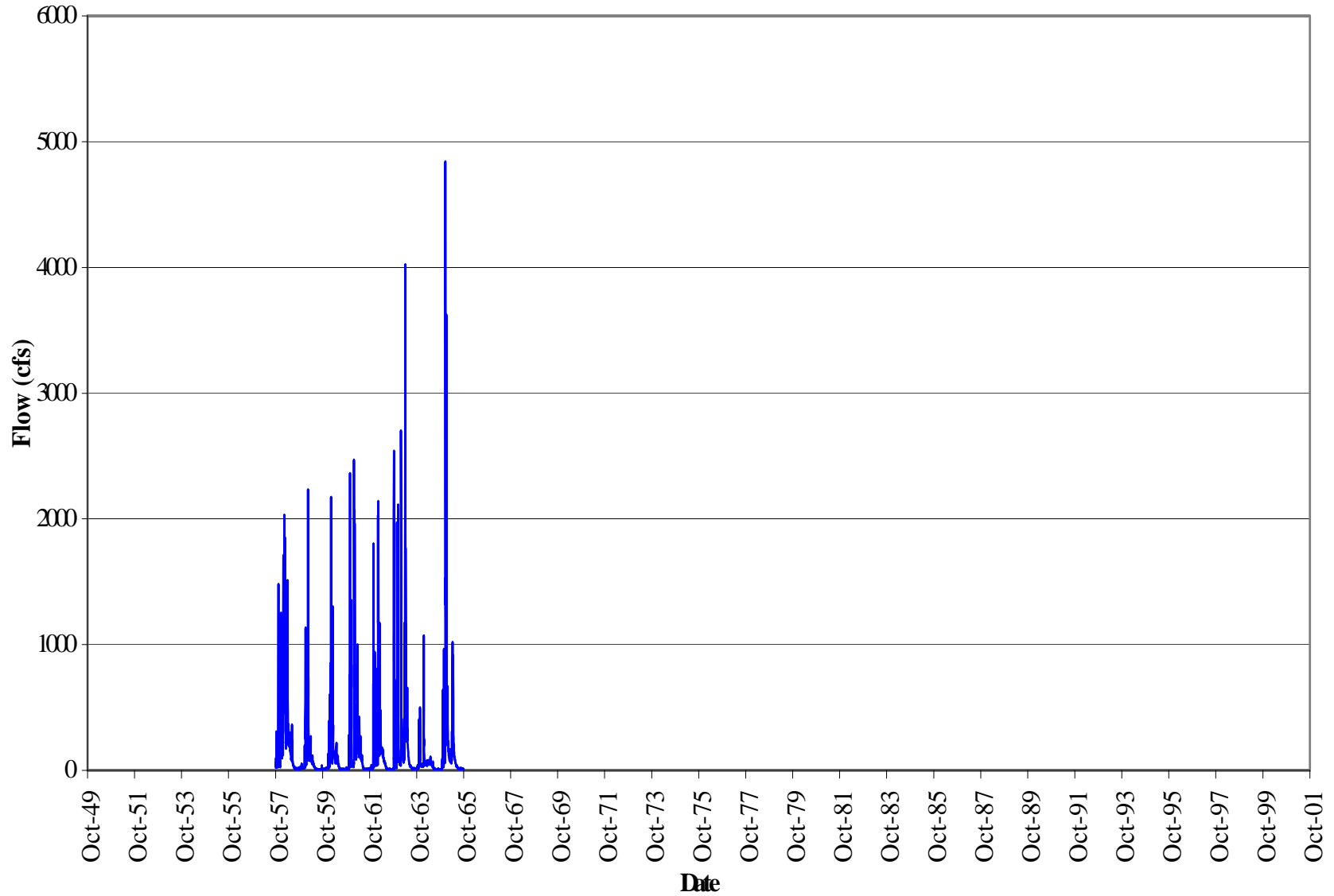
11374000 Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1999 to Sept 2002												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	27	102	4,220	2,890	336	528	445	624	176	43	15	13
2	24	75	5,360	10,500	330	489	449	492	172	41	14	14
3	22	66	1,980	5,630	321	455	475	439	165	34	15	13
4	22	62	1,100	2,410	311	428	489	408	153	36	16	11
5	22	60	3,460	1,810	302	411	516	395	141	36	18	13
6	24	63	6,980	3,690	296	631	511	377	135	33	20	13
7	24	62	1,830	2,280	377	1,770	489	355	125	31	19	20
8	26	64	975	1,670	922	1,110	468	330	115	33	20	21
9	24	62	1,630	1,340	525	758	485	311	116	32	20	16
10	22	63	840	1,050	434	1,880	682	300	115	29	17	17
11	21	77	626	880	405	1,390	604	287	108	26	15	16
12	23	185	516	773	366	1,030	553	266	110	26	11	15
13	22	341	516	685	349	845	508	258	93	28	12	15
14	24	199	5,330	622	340	729	506	256	80	24	13	15
15	26	144	1,320	561	322	644	555	251	80	19	10	16
16	26	122	809	513	320	591	517	243	78	19	12	16
17	24	194	4,770	477	328	546	758	237	78	20	15	19
18	25	148	2,150	443	321	517	566	234	70	19	15	19
19	26	116	3,840	420	2,700	468	471	253	75	19	12	17
20	28	155	4,720	401	11,100	438	424	358	70	19	13	18
21	26	1,010	2,380	404	2,970	419	394	355	63	19	16	19
22	29	2,240	3,220	425	1,700	423	366	320	66	19	13	17
23	29	401	3,840	366	1,280	823	348	273	66	18	16	16
24	26	3,300	1,760	345	1,040	1,280	331	249	65	19	17	17
25	27	935	1,110	339	856	779	330	232	59	17	18	18
26	28	386	843	496	730	630	337	225	55	19	17	15
27	28	264	712	598	648	554	427	216	50	19	17	14
28	30	284	677	448	590	499	507	213	52	18	15	18
29	35	3,110	2,220	405	480	480	409	205	53	14	15	19
30	84	1,110	2,970	361	467	467	568	193	45	15	15	22
31	153		5,720	331		456		185		15	15	
Total	977	15,400	78,424	43,563	30,519	22,468	14,488	9,340	2,829	759	476	492
Mean	32	513	2,530	1,405	1,090	725	483	301	94	24	15	16
Max	153	3,300	6,980	10,500	11,100	1,880	758	624	176	43	20	22
Min	21	60	516	331	296	411	330	185	45	14	10	11
AC-FT	1,938	30,545	155,552	86,406	60,534	44,565	28,737	18,526	5,611	1,505	944	976





Little Cow Creek at Ingot





Average Daily Flow for Little Creek at Ingot



EXHIBIT E.3

Average Monthly Flow Little Cow Creek Near Ingot, Water Years 1958-1965

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1958	55	117	225	439	953	501	484	164	93	28	13	11
1959	13	23	39	266	344	107	79	41	13	6.7	6.5	10
1960	8.0	13	24	137	380	273	94	93	25	7.4	8.2	6.6
1961	9.2	94	231	161	498	322	177	114	45	10	8.2	8.2
1962	13	72	218	91	627	271	147	73	24	7.7	7.5	6.4
1963	261	65	379	166	297	201	844	226	47	20	12	10
1964	17	134	38	155	56	50	62	54	29	8.2	5.8	6.2
1965	8.8	152	636	501	123	75	425	100	32	15	14	10
Average	48	84	224	240	410	225	289	108	39	13	9.4	8.7
Max	261	152	636	501	953	501	844	226	93	28	14	11
Min	8.0	13	24	91	56	50	62	41	13	6.7	5.8	6.2



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373300 Little Cow C Nr Ingot Ca												
Streamflow (cfs), Water Year Oct 1957 to Sep 1958												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	41	30	36	138	485	395	1,200	196	87	43	18	8.4
2	26	29	36	312	818	348	1,210	203	95	47	19	8.4
3	25	29	36	178	964	313	1,300	211	108	42	18	8.8
4	25	28	35	142	844	280	1,510	196	89	36	17	8.8
5	100	28	36	125	691	258	893	199	83	36	15	9.2
6	55	28	34	114	611	241	927	196	80	35	14	8.8
7	51	28	32	104	952	221	580	189	81	32	13	10
8	33	29	32	104	770	223	454	185	101	31	14	15
9	35	28	30	99	972	201	385	185	241	31	15	14
10	38	37	31	983	725	192	351	192	109	30	14	13
11	31	38	30	567	653	178	345	298	96	28	12	13
12	29	32	29	1,120	2,030	180	335	252	358	26	11	13
13	306	1,480	28	539	833	241	329	189	133	25	12	13
14	163	652	29	326	1,460	299	326	167	104	23	12	12
15	63	176	129	292	1,520	365	313	161	90	24	10	11
16	42	111	579	234	1,840	255	316	156	84	24	11	9.2
17	34	87	827	201	997	319	365	158	78	28	14	10
18	31	80	550	176	996	226	351	156	74	27	12	9.2
19	28	77	289	161	1,330	201	329	154	86	25	12	10
20	27	65	537	150	812	917	322	144	77	25	13	10
21	27	57	1,250	136	625	1,440	319	134	68	25	12	10
22	27	50	431	125	534	749	313	142	65	24	11	13
23	88	47	252	131	521	1,110	272	152	61	29	11	18
24	105	45	196	594	1,850	1,300	244	133	63	26	11	13
25	57	42	161	542	1,130	866	223	122	54	23	11	13
26	46	41	211	927	710	576	213	114	52	22	11	12
27	39	38	152	450	550	462	206	109	50	19	11	13
28	36	38	375	1,170	458	514	196	101	47	17	11	12
29	32	36	255	1,710		869	199	95	45	18	12	10
30	32	36	187	1,050		1,130	194	90	43	18	12	10
31	32		154	715		662		93		17	10	
Total	1,704	3,522	6,989	13,615	26,681	15,531	14,520	5,072	2,802	856	399	337
Mean	55	117	225	439	953	501	484	164	93	28	13	11
Max	306	1,480	1,250	1,710	2,030	1,440	1,510	298	358	47	19	18
Min	25	28	28	99	458	178	194	90	43	17	10	8.4
AC-FT	3,380	6,986	13,862	27,005	52,921	30,805	28,800	10,060	5,558	1,698	791	669



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373300 Little Cow C Nr Ingot Ca												
Streamflow (cfs), Water Year Oct 1958 to Sep 1959												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.0	16	22	30	116	148	129	70	21	8.4	6.2	6.9
2	8.4	16	22	28	103	142	120	60	20	8.4	6.2	7.2
3	9.2	16	22	25	95	136	114	58	20	8.8	6.2	7.2
4	9.2	16	22	24	92	125	111	53	20	8.8	6.2	7.2
5	10	16	22	41	86	120	113	51	20	8.4	6.5	7.2
6	10	16	22	401	83	116	106	49	20	8.0	6.2	7.2
7	10	16	22	539	83	111	99	48	18	8.0	6.2	7.2
8	10	14	22	902	80	104	92	45	17	7.2	6.2	7.2
9	9.2	21	23	1,130	81	99	90	45	16	7.2	6.2	7.2
10	9.2	49	22	269	248	95	86	43	16	6.9	6.2	7.2
11	9.2	24	22	249	234	89	78	43	15	7.2	6.2	6.9
12	10	24	22	1,130	158	90	74	42	14	6.5	6.2	7.2
13	10	26	21	395	133	90	72	45	13	6.5	6.2	7.6
14	11	34	21	187	236	86	70	53	11	6.2	6.2	8.0
15	11	27	21	123	480	81	66	49	10	5.9	6.2	9.2
16	11	25	20	96	2,230	80	59	43	10	5.9	6.2	8.8
17	11	23	20	80	688	81	59	43	10	5.6	6.5	8.8
18	27	24	20	69	602	80	58	41	9.2	5.6	6.5	36
19	26	28	20	60	594	77	53	38	9.2	5.6	6.5	20
20	18	25	20	53	730	76	52	35	8.4	5.6	6.5	15
21	16	24	28	50	636	80	53	32	8.4	5.6	6.5	12
22	16	23	23	47	505	98	53	32	8.0	5.9	6.5	12
23	16	22	22	47	351	113	52	35	8.4	5.9	6.5	12
24	16	22	28	114	269	92	53	32	8.4	5.9	6.5	11
25	16	22	68	417	218	84	69	30	8.4	5.9	6.9	11
26	16	22	196	220	189	127	116	31	8.8	6.2	6.9	10
27	16	22	186	524	165	95	84	30	8.4	6.2	6.9	10
28	16	22	112	473	154	90	72	28	8.4	6.5	6.9	10
29	16	22	47	223		87	65	26	8.8	6.5	7.2	10
30	15	22	36	165		268	65	25	8.8	6.2	7.2	8.8
31	16		32	131		156		23		6.2	6.9	
Total	412	679	1,206	8,242	9,639	3,316	2,383	1,278	382	208	200	305
Mean	13	23	39	266	344	107	79	41	13	6.7	6.5	10
Max	27	49	196	1,130	2,230	268	129	70	21	8.8	7.2	36
Min	8.0	14	20	24	80	76	52	23	8.0	5.6	6.2	6.9
AC-FT	817	1,347	2,392	16,348	19,119	6,577	4,727	2,535	757	412	397	605



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373300 Little Cow C Nr Ingot Ca												
Streamflow (cfs), Water Year Oct 1959 to Sep 1960												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.2	8.4	19	18	850	59	111	103	53	10	10	4.7
2	9.2	8.8	18	17	330	55	106	218	48	10	10	7.2
3	9.2	9.2	17	19	405	141	104	154	45	10	9.2	8.0
4	8.4	10	17	18	371	561	106	150	43	10	9.2	7.6
5	8.4	10	17	19	474	893	104	120	36	9.2	8.8	7.6
6	8.0	11	18	20	252	584	103	108	35	8.4	8.8	7.2
7	8.0	11	17	22	2,040	1,300	103	125	36	7.6	8.4	6.9
8	8.6	11	17	164	2,170	630	99	111	46	6.9	8.4	6.9
9	9.2	11	17	63	960	406	98	104	33	6.9	8.0	6.9
10	10	11	18	51	739	289	93	99	28	7.6	8.0	6.5
11	7.9	11	18	394	365	244	95	96	28	7.6	8.8	6.5
12	7.9	11	19	112	249	358	84	92	25	7.2	9.2	7.6
13	7.9	11	20	55	234	301	76	80	25	7.6	9.2	6.9
14	7.9	12	20	47	167	221	84	69	24	7.2	9.2	6.5
15	7.9	12	19	40	140	189	72	66	22	6.9	9.2	6.5
16	6.2	13	19	35	122	165	64	63	21	5.2	9.2	6.9
17	7.3	13	19	33	109	154	63	60	20	6.2	8.0	6.2
18	7.3	13	19	32	163	152	61	57	20	5.9	6.9	6.2
19	7.3	13	18	35	122	144	65	53	18	5.6	6.9	6.5
20	7.3	13	18	39	101	140	60	59	16	4.9	6.9	7.2
21	7.3	16	18	135	92	138	60	63	14	4.4	7.2	8.0
22	7.3	16	18	600	84	136	60	55	15	4.1	7.2	6.9
23	7.3	19	27	212	77	134	89	81	14	5.6	7.2	6.5
24	7.3	19	129	131	73	134	99	116	13	6.2	7.2	5.9
25	7.3	18	59	266	72	133	114	108	12	7.6	6.9	4.9
26	7.3	18	28	286	69	134	106	96	11	7.6	7.6	5.6
27	7.3	18	24	400	65	133	182	87	11	8.4	8.0	5.9
28	8.4	18	21	431	63	148	122	78	10	7.6	7.6	6.2
29	8.4	19	20	156	59	116	125	72	10	9.2	7.6	6.2
30	8.4	20	19	279		146	98	65	10	8.8	8.0	6.5
31	8.4		18	120		125		60		8.4	8.4	
Total	247	404	745	4,249	11,017	8,463	2,806	2,868	742	228	254	199
Mean	8.0	13	24	137	380	273	94	93	25	7.4	8.2	6.6
Max	10	20	129	600	2,170	1,300	182	218	53	10	10	8.0
Min	6.2	8.4	17	17	59	55	60	53	10	4.1	6.9	4.7
AC-FT	491	802	1,478	8,428	21,852	16,786	5,566	5,689	1,471	452	505	395



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373300 Little Cow C Nr Ingot Ca												
Streamflow (cfs), Water Year Oct 1960 to Sep 1961												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.2	6.6	2,360	39	660	102	224	144	100	14	7.3	8.7
2	6.8	6.8	524	36	839	99	221	134	118	13	7.5	9.0
3	6.8	7.7	228	35	563	94	230	126	93	14	7.1	8.4
4	6.4	7.7	119	34	343	89	239	119	85	14	7.4	8.4
5	7.6	9.1	81	34	258	143	232	116	81	14	7.7	8.2
6	21	13	62	34	235	118	209	134	73	14	8.1	7.7
7	14	19	52	34	215	99	189	125	68	13	8.4	7.4
8	12	16	47	39	402	330	174	108	62	12	8.4	7.0
9	10	15	42	65	2,060	334	168	112	58	12	9.0	7.1
10	10	14	39	50	791	321	158	147	55	12	8.4	7.4
11	10	21	36	42	1,960	266	151	268	53	12	8.6	7.3
12	11	60	33	38	674	182	167	151	52	11	8.5	6.9
13	10	278	31	37	565	157	149	127	46	11	7.8	6.8
14	10	114	30	34	743	303	137	115	41	9.3	7.4	7.1
15	10	50	33	34	817	454	130	112	38	8.0	7.2	7.7
16	9.3	34	298	33	507	298	130	107	34	7.8	7.4	11
17	10	32	1,350	32	379	520	132	102	32	7.5	7.9	12
18	10	258	586	31	299	269	129	97	30	9.1	8.1	11
19	8.4	51	323	31	253	479	116	103	27	9.4	8.6	9.3
20	8.4	35	176	29	220	448	107	108	25	8.8	10	8.9
21	8.4	30	124	28	194	288	113	104	23	8.5	8.5	8.2
22	8.4	26	100	28	176	255	172	100	23	7.5	8.1	8.1
23	7.2	31	81	33	159	263	423	91	23	7.8	8.2	8.1
24	8.9	58	70	33	147	841	296	84	20	7.7	8.0	7.8
25	8.0	755	64	31	137	487	202	82	18	7.6	8.0	8.1
26	8.0	468	57	35	126	996	157	103	17	6.9	8.3	8.0
27	8.4	147	52	76	115	565	136	87	17	6.8	8.4	7.9
28	8.4	74	47	50	109	369	127	78	16	6.8	8.6	8.0
29	8.0	55	46	519		302	144	75	15	7.4	9.4	7.7
30	6.8	140	44	953		262	143	93	15	7.6	9.2	7.6
31	6.8		41	2,470		237		85		7.5	9.4	
Total	286	2,832	7,176	4,997	13,946	9,970	5,305	3,537	1,358	308	254	247
Mean	9.2	94	231	161	498	322	177	114	45	10	8.2	8.2
Max	21	755	2,360	2,470	2,060	996	423	268	118	14	10	12
Min	6.4	6.6	30	28	109	89	107	75	15	6.8	7.1	6.8
AC-FT	566	5,617	14,233	9,911	27,661	19,775	10,522	7,016	2,694	611	505	490



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373300 Little Cow C Nr Ingot Ca												
Streamflow (cfs), Water Year Oct 1961 to Sep 1962												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.9	16	1,800	51	52	159	149	98	50	12	7.6	5.7
2	8.7	16	536	49	50	257	152	99	48	11	7.3	5.9
3	8.3	16	210	46	48	228	155	99	46	10	6.8	6.0
4	8.2	16	117	45	48	265	157	100	41	10	7.7	6.2
5	8.2	15	85	44	47	1,100	163	94	37	10	8.2	5.9
6	7.9	15	67	43	65	1,170	164	91	35	8.8	8.2	5.9
7	7.9	15	58	43	1,390	595	169	89	34	8.2	8.7	6.4
8	8.4	14	51	46	2,030	406	180	96	33	8.0	10	6.3
9	8.2	15	46	44	1,170	310	178	96	32	8.6	12	6.5
10	8.6	15	43	44	1,160	243	163	84	30	8.3	10	6.7
11	18	16	40	44	1,790	201	159	79	28	8.1	9.4	7.5
12	19	16	40	49	1,700	172	159	73	25	7.9	9.3	7.2
13	12	16	38	44	2,140	159	164	79	23	7.2	8.4	7.1
14	11	15	38	42	1,110	149	173	71	25	6.8	8.1	7.2
15	10	15	35	40	1,110	144	177	68	24	5.7	7.9	6.9
16	10	15	33	39	713	157	159	63	22	5.6	7.6	5.6
17	10	15	157	40	506	154	150	61	20	5.8	6.7	5.1
18	10	15	212	43	428	134	140	70	18	5.4	7.0	4.4
19	10	16	942	806	357	131	146	73	16	7.1	6.9	5.2
20	12	20	834	421	320	148	130	64	14	7.6	6.5	5.3
21	14	17	435	117	253	159	114	60	14	7.3	6.6	5.4
22	11	20	203	95	207	475	112	59	13	7.1	6.8	5.5
23	12	28	142	79	180	244	118	62	13	7.6	6.5	5.7
24	12	77	111	76	168	187	124	57	13	7.4	6.4	5.8
25	11	688	94	77	150	162	118	56	13	6.7	6.3	4.9
26	12	420	81	69	122	158	110	56	13	6.5	6.0	4.7
27	41	140	72	63	117	150	165	53	13	6.4	5.8	5.8
28	28	64	65	60	119	152	156	51	12	6.8	5.7	12
29	17	274	60	57	149	149	119	53	12	7.4	5.8	12
30	16	126	55	54	146	146	101	55	12	8.1	5.8	8.4
31	16		52	53		147		53		7.3	5.6	
Total	394	2,166	6,752	2,823	17,550	8,411	4,424	2,262	729	240	232	193
Mean	13	72	218	91	627	271	147	73	24	7.7	7.5	6.4
Max	41	688	1,800	806	2,140	1,170	180	100	50	12	12	12
Min	7.9	14	33	39	47	131	101	51	12	5.4	5.6	4.4
AC-FT	781	4,296	13,392	5,599	34,810	16,683	8,775	4,487	1,446	476	459	383



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373300 Little Cow C Nr Ingot Ca												
Streamflow (cfs), Water Year Oct 1962 to Sep 1963												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.2	26	65	87	1,780	100	496	240	82	29	14	11
2	6.8	25	1,970	85	719	95	335	231	73	29	13	10
3	10	25	867	85	635	93	269	305	70	28	13	9.2
4	8.9	25	315	78	439	92	232	274	69	28	13	10
5	8.0	26	208	75	335	87	1,520	255	65	28	12	9.2
6	7.6	25	158	70	272	87	3,300	240	64	27	12	9.2
7	7.6	24	127	68	229	84	4,020	653	60	29	11	10
8	10	24	110	65	213	82	1,530	541	57	27	12	10
9	96	30	100	61	186	79	1,180	436	54	25	13	10
10	315	24	90	57	196	76	1,020	348	52	23	13	10
11	2,020	28	84	50	172	72	756	319	50	23	13	9.2
12	2,540	28	76	61	213	69	595	270	48	22	12	9.2
13	867	27	72	52	413	66	640	240	47	22	11	9.2
14	1,080	26	78	52	309	75	1,770	219	43	21	11	10
15	249	34	1,270	51	238	75	1,110	202	43	20	11	10
16	148	25	926	50	227	92	720	190	42	18	10	10
17	105	24	2,110	50	240	98	550	185	43	18	10	10
18	84	24	778	48	186	102	566	180	38	18	11	11
19	66	23	459	44	167	105	1,160	172	36	18	10	11
20	57	24	322	45	172	102	565	170	34	18	10	11
21	51	24	252	45	152	88	428	162	35	16	10	10
22	45	24	206	44	137	84	404	154	36	17	11	10
23	41	22	179	43	129	222	322	148	38	16	12	11
24	37	22	152	43	123	213	291	138	34	16	14	11
25	35	23	135	42	118	123	284	128	32	15	14	10
26	33	715	123	40	114	109	280	120	30	13	12	10
27	32	310	116	39	107	876	280	113	30	13	11	10
28	31	127	109	40	103	871	240	102	36	13	12	10
29	29	87	103	44		359	234	99	35	14	11	10
30	28	73	100	828		386	237	94	30	14	11	10
31	26		95	2,700		1,170		88		13	11	
Total	8,081	1,944	11,755	5,142	8,324	6,232	25,334	7,016	1,406	631	364	298
Mean	261	65	379	166	297	201	844	226	47	20	12	10
Max	2,540	715	2,110	2,700	1,780	1,170	4,020	653	82	29	14	11
Min	6.8	22	65	39	103	66	232	88	30	13	10	9.2
AC-FT	16,029	3,856	23,316	10,199	16,510	12,361	50,249	13,916	2,789	1,252	721	592



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373300 Little Cow C Nr Ingot Ca												
Streamflow (cfs), Water Year Oct 1963 to Sep 1964												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.9	18	44	38	91	60	81	78	30	11	5.2	11
2	8.5	19	41	39	83	59	69	59	29	11	5.5	9.3
3	10	20	40	36	78	51	64	106	28	11	5.5	7.1
4	10	66	38	35	74	49	64	74	28	11	6.7	6.7
5	10	66	38	34	71	46	64	61	29	10	6.1	5.9
6	10	101	36	34	67	44	61	55	42	10	5.7	6.1
7	10	71	35	34	65	42	57	53	51	8.8	5.7	5.8
8	10	266	35	32	62	41	60	52	47	8.1	5.6	5.9
9	11	403	41	36	58	42	66	53	69	8.9	4.9	6.2
10	12	150	39	44	58	41	74	54	60	8.8	5.3	5.8
11	31	63	35	37	56	45	69	52	45	8.4	6.4	5.7
12	26	45	35	36	54	77	67	55	37	8.0	6.5	5.5
13	19	52	34	35	53	65	61	59	34	8.5	5.9	5.7
14	17	280	34	39	52	53	67	58	31	8.6	5.6	5.7
15	17	264	34	37	60	50	69	58	30	9.1	5.6	5.3
16	16	106	34	39	56	47	76	58	28	8.8	5.6	5.4
17	15	71	33	109	52	47	70	55	27	8.0	5.5	6.0
18	15	57	33	147	48	48	66	54	25	8.5	4.9	6.0
19	16	160	33	461	49	47	58	53	24	8.3	5.3	5.6
20	16	300	49	1,070	46	47	58	53	23	8.3	5.5	5.4
21	17	150	43	706	45	47	58	49	21	8.0	5.9	5.3
22	18	80	38	301	45	52	57	47	19	7.7	5.7	5.4
23	39	500	36	220	44	52	56	44	16	7.1	6.1	5.9
24	23	250	34	201	45	57	52	41	13	6.7	6.2	5.6
25	21	150	34	241	43	53	50	39	12	6.1	6.0	5.8
26	19	100	34	192	43	50	47	40	12	5.5	5.9	5.6
27	18	62	35	146	43	50	47	49	11	5.7	6.3	6.0
28	19	56	43	123	44	47	50	46	12	6.6	5.7	6.2
29	20	51	46	115	44	47	56	40	12	7.1	5.6	6.4
30	20	47	40	104		49	61	37	12	6.2	6.1	6.6
31	19		39	93		53		34		5.2	6.7	
Total	519	4,024	1,163	4,814	1,629	1,558	1,855	1,666	857	255	179	185
Mean	17	134	38	155	56	50	62	54	29	8.2	5.8	6.2
Max	39	500	49	1,070	91	77	81	106	69	11	6.7	11
Min	8.5	18	33	32	43	41	47	34	11	5.2	4.9	5.3
AC-FT	1,030	7,981	2,307	9,548	3,231	3,090	3,679	3,304	1,700	505	355	367



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

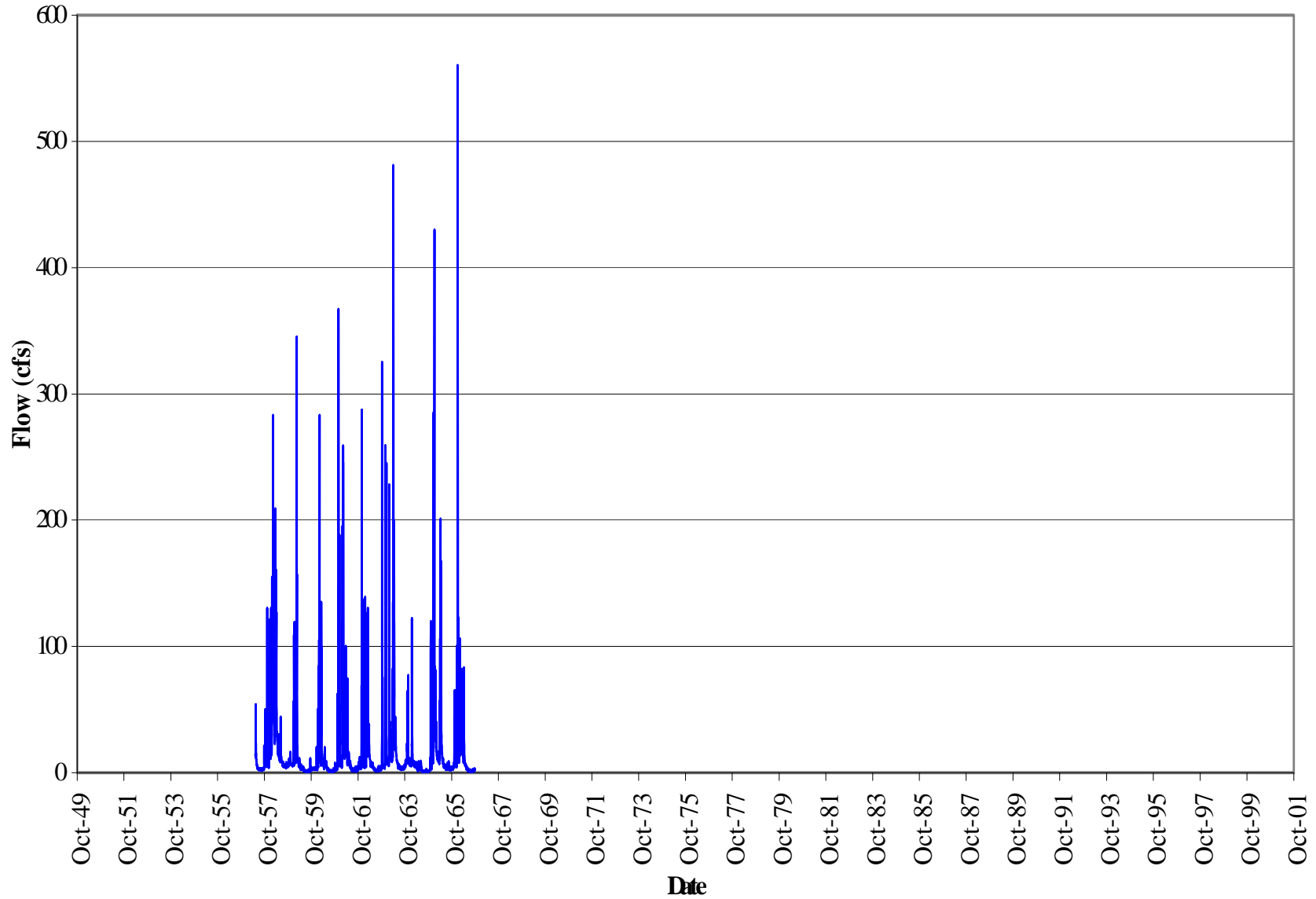
Appendix E: USGS Streamflow Data

11373300 Little Cow C Nr Ingot Ca												
Streamflow (cfs), Water Year Oct 1964 to Sep 1965												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.6	46	401	440	179	91	165	203	51	20	13	11
2	6.3	94	413	402	168	84	310	180	48	20	13	11
3	6.8	36	191	424	157	84	152	163	45	19	13	11
4	6.7	25	121	899	152	88	121	154	42	19	13	11
5	5.6	24	92	3,620	230	79	114	144	41	18	13	11
6	5.6	23	76	1,580	196	76	458	136	39	18	12	11
7	6.3	23	66	666	161	72	224	128	37	17	12	11
8	7.0	34	61	420	149	69	453	120	38	17	12	11
9	6.8	636	59	335	139	69	1,020	111	35	16	12	11
10	6.9	639	354	341	132	69	595	108	32	16	13	11
11	7.1	524	311	566	124	68	371	104	32	16	16	11
12	7.6	250	138	393	117	76	275	100	31	15	20	11
13	7.7	89	99	311	114	71	269	103	31	15	17	11
14	8.1	60	84	280	110	66	268	100	33	15	16	11
15	8.0	47	74	280	104	65	385	98	36	14	15	11
16	8.2	42	70	265	98	64	894	92	31	14	14	10
17	8.0	37	61	245	96	64	460	88	36	14	15	10
18	7.9	34	63	239	93	62	898	83	35	14	16	10
19	8.0	33	615	235	89	60	913	84	31	13	15	10
20	8.3	31	381	224	86	58	738	83	30	13	15	10
21	8.1	30	1,580	216	85	59	773	80	30	13	16	10
22	8.1	33	4,840	199	85	61	554	81	28	13	16	10
23	7.3	30	1,670	665	82	60	418	72	26	13	16	10
24	7.9	34	1,320	544	80	60	347	67	25	13	16	10
25	8.1	76	1,530	362	78	61	307	63	24	13	15	10
26	8.4	131	1,410	294	79	91	284	61	23	13	15	10
27	10	94	925	255	165	167	264	59	22	13	14	10
28	14	961	757	231	103	97	252	58	21	13	14	10
29	23	262	702	211		80	243	56	21	13	13	10
30	20	176	690	198		73	224	55	20	13	12	10
31	14		567	192		73		53		13	11	
Total	272	4,554	19,721	15,532	3,451	2,317	12,749	3,087	974	466	443	313
Mean	8.8	152	636	501	123	75	425	100	32	15	14	10
Max	23	961	4,840	3,620	230	167	1,020	203	51	20	20	11
Min	5.6	23	59	192	78	58	114	53	20	13	11	10
AC-FT	540	9,033	39,116	30,807	6,845	4,596	25,287	6,123	1,932	924	879	621



Oak Run Creek at Oak Run





Average Daily Flow for Oak Run Creek and Oak Run



EXHIBIT E.4 Average Monthly Flow Oak Run Creek Near Oak Run, Water Years 1957-1966

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1957								18	4.3	2.7	2.6	4.2
1958	8.8	15	25	52	103	62	49	14	13	6.4	5.3	5.4
1959	6.4	7.6	9.0	35	46	8	4.1	3.9	2.0	1.2	1.4	2.6
1960	3.1	3.2	3.8	17	45	28	6.8	7.6	3.0	1.3	1.1	1.9
1961	3.5	17	32	18	57	33	16	8.2	4.3	2.1	2.3	2.8
1962	5.0	9.4	27	11	41	34	8.3	5.6	2.8	1.7	2.5	2.7
1963	32	7.0	42	19	30	22	96	20	6.7	4.3	3.6	4.3
1964	7.0	21	7.0	21	7.2	5.4	3.2	3.5	3.4	0.93	0.79	1.4
1965	1.6	22	48	59	15	10	65	10	5.1	4.5	4.5	3.5
1966	3.7	16	14	63	33	28	16	4.7	2.3	1.6	1.4	2.3
Average	8	13	23	33	42	26	29	10	4.7	2.7	2.6	3.1
Max	32	22	48	63	103	62	96	20	13	6.4	5.3	5.4
Min	1.6	3.2	3.8	11	7.2	5.4	3.2	3.5	2.0	0.93	0.79	1.4



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373200 Oak Run C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1956 to Sep 1957												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1									8.4	2.6	3.1	2.6
2									6.3	3.2	2.9	2.3
3									6.4	2.9	2.4	2.3
4									6.2	2.4	2.8	2.4
5									5.8	2.8	3.2	2.4
6									5.3	3.1	3.2	2.6
7									5.0	3.4	2.6	2.4
8									4.6	2.9	3.0	2.6
9									4.4	2.3	3.2	2.5
10									4.3	2.3	3.3	2.9
11									3.7	2.5	2.9	2.8
12									4.1	2.5	2.8	2.6
13								14	4.6	2.4	2.0	2.4
14								15	4.6	2.6	2.2	2.7
15								13	4.1	2.8	2.2	3.6
16								12	3.2	2.8	3.0	3.1
17								13	3.4	2.4	2.9	3.0
18								54	3.6	2.5	2.8	3.4
19								43	4.2	3.0	2.4	3.0
20								26	4.1	3.2	2.8	2.8
21								22	3.6	2.8	3.0	2.8
22								19	3.4	2.8	2.7	2.8
23								16	3.5	2.6	2.1	2.4
24								15	3.4	2.8	1.9	2.4
25								15	3.2	2.8	2.3	3.2
26								13	3.0	2.8	2.3	7.5
27								12	2.9	2.8	2.2	21
28								10	3.4	2.7	2.2	14
29								10	3.4	2.6	2.0	7.0
30								10	2.7	2.1	2.8	8.1
31								10		2.3	2.9	
Total								342	129	84	82	126
Mean								18	4.3	2.7	2.6	4.2
Max								54	8.4	3.4	3.3	21
Min								10	2.7	2.1	1.9	2.3
AC-FT								678	255	166	163	249



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373200 Oak Run C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1957 to Sep 1958												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.9	5.0	4.5	16	59	41	148	14	10	8.5	5.4	4.3
2	6.0	5.0	4.5	32	112	36	160	14	11	8.5	6.1	3.7
3	5.0	5.0	4.5	17	122	34	107	14	11	8.0	6.0	4.3
4	6.0	5.0	4.5	14	111	30	86	16	10	7.5	5.4	5.0
5	8.5	5.5	4.0	13	74	29	118	16	8.9	7.5	4.7	4.4
6	8.5	5.5	4.0	12	63	28	127	15	8.8	7.5	5.0	3.9
7	8.5	6.0	4.0	11	82	27	69	20	10	7.0	5.0	4.7
8	6.0	6.0	4.0	11	65	27	54	20	14	6.9	5.2	7.9
9	6.0	7.0	4.0	11	96	24	47	13	44	6.4	4.8	6.2
10	11	8.0	4.0	90	65	24	42	14	16	6.2	5.4	6.3
11	7.0	8.0	4.0	70	78	23	38	30	17	5.8	5.4	6.1
12	6.0	9.0	4.0	130	283	25	36	21	32	5.6	5.0	5.9
13	50	130	4.0	70	90	34	34	16	17	5.3	4.5	5.8
14	25	120	4.0	45	207	45	32	14	15	5.4	4.8	5.8
15	10	15	30	35	183	51	31	13	13	5.8	5.5	5.2
16	9.0	12	70	27	137	31	30	13	12	6.7	4.8	4.6
17	8.0	10	90	22	84	49	32	12	12	6.9	5.8	5.0
18	7.0	9.0	60	19	105	31	29	11	11	6.4	5.5	4.9
19	6.0	8.0	30	18	143	29	27	11	13	5.2	6.0	4.7
20	5.0	7.0	63	17	75	130	25	10	11	5.5	6.3	5.0
21	5.0	6.5	121	16	60	151	25	10	10	6.2	6.4	5.0
22	5.0	6.0	35	14	55	209	25	11	10	6.5	6.2	7.2
23	5.0	6.0	24	22	56	125	23	14	10	8.3	5.1	6.9
24	10	5.5	19	125	202	112	22	13	10	6.5	4.5	6.4
25	8.0	5.5	16	64	97	82	20	11	10	6.3	5.0	6.2
26	7.0	5.5	28	107	66	60	18	11	8.5	6.3	5.2	6.0
27	6.0	5.0	16	49	54	52	17	11	8.5	6.0	5.3	5.1
28	5.5	5.0	62	147	46	64	18	11	8.5	5.3	5.3	4.9
29	5.0	5.0	26	155		121	18	10	8.5	5.6	5.1	5.2
30	5.0	5.0	20	129		118	16	10	8.5	4.5	5.1	4.9
31	5.0		16	91		84		10		5.4	4.2	
Total	273	441	784	1,599	2,870	1,926	1,474	429	387	200	164	162
Mean	8.8	15	25	52	103	62	49	14	13	6.4	5.3	5.4
Max	50	130	121	155	283	209	160	30	44	8.5	6.4	7.9
Min	5.0	5.0	4.0	11	46	23	16	10	8.5	4.5	4.2	3.7
AC-FT	541	875	1,555	3,172	5,693	3,820	2,924	851	768	396	325	320



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373200 Oak Run C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1958 to Sep 1959												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.2	7.7	6.2	6.6	14	15	5.5	5.8	4.2	1.6	0.80	1.6
2	5.3	7.8	6.1	6.3	12	14	5.2	5.6	3.1	1.5	1.1	1.3
3	5.8	7.8	6.1	6.2	10	12	5.0	4.8	2.7	1.5	1.0	1.6
4	5.3	7.8	6.1	6.0	10	11	4.9	4.2	2.9	1.4	1.1	1.6
5	5.6	7.9	6.1	39	9.1	11	4.7	4.0	2.7	1.8	0.70	1.6
6	5.4	7.9	6.0	109	8.9	10	4.4	4.0	3.0	1.6	0.60	2.0
7	5.3	7.8	6.0	47	8.6	10	4.2	2.9	2.4	1.2	0.50	1.6
8	5.0	7.8	6.1	77	8.3	9.4	4.4	3.0	1.3	1.2	0.50	1.7
9	4.8	13	6.1	101	9.0	9.1	4.2	3.4	1.9	0.70	1.0	1.6
10	5.0	16	5.9	26	33	8.6	4.0	3.3	1.3	0.90	1.3	1.5
11	5.4	9.4	5.9	25	32	8.3	3.5	3.2	1.6	1.3	1.4	1.0
12	5.3	7.3	5.8	119	16	8.2	4.2	2.7	1.4	0.90	1.6	1.4
13	5.6	8.2	5.7	34	13	7.9	3.1	2.9	1.2	1.2	1.4	1.7
14	5.7	7.9	5.7	20	17	7.6	2.9	4.2	1.9	1.3	1.3	2.7
15	5.9	6.8	5.4	16	55	7.4	2.9	3.6	1.5	1.2	1.0	2.5
16	5.8	6.5	5.7	13	345	6.7	3.0	3.7	1.3	1.5	0.70	2.9
17	6.0	6.4	5.6	11	68	6.0	2.9	4.2	1.8	0.80	0.50	2.8
18	11	6.4	5.7	10	65	5.9	2.9	3.9	1.9	1.1	1.1	11
19	9.0	6.8	5.7	8.6	157	5.3	3.2	3.6	1.9	1.0	1.8	4.2
20	6.8	6.4	5.8	8.2	99	4.9	2.9	3.7	2.0	1.3	2.4	3.4
21	6.5	6.5	7.0	7.9	79	5.3	2.9	3.7	1.6	1.1	2.4	3.1
22	6.8	6.4	5.9	7.6	69	6.6	3.3	3.6	1.9	1.0	2.2	2.9
23	7.1	6.3	5.9	7.4	41	6.8	3.4	4.2	1.4	1.0	2.1	2.7
24	7.4	6.3	7.3	22	32	6.1	3.4	3.9	1.2	1.2	1.9	2.9
25	7.1	6.3	14	79	27	7.8	4.8	3.9	1.6	1.1	1.8	2.9
26	7.3	6.3	56	28	23	10	6.3	4.2	1.9	1.2	1.6	3.1
27	7.3	6.2	29	109	20	6.6	5.0	4.2	1.9	1.2	1.6	3.0
28	7.1	6.2	13	69	17	5.3	4.9	3.7	1.9	1.0	1.5	2.9
29	7.1	6.2	8.5	29	29	5.3	5.2	3.5	1.7	0.60	1.5	3.1
30	7.4	6.2	7.3	21	11	11	4.9	3.7	1.6	1.3	1.7	3.1
31	7.4		6.8	17		6.2		4.1		0.70	2.2	
Total	198	227	278	1,085	1,298	255	122	119	59	36	42	79
Mean	6.4	7.6	9.0	35	46	8.2	4.1	3.9	2.0	1.2	1.4	2.6
Max	11	16	56	119	345	15	6.3	5.8	4.2	1.8	2.4	11
Min	4.8	6.2	5.4	6.0	8.3	4.9	2.9	2.7	1.2	0.60	0.50	1.0
AC-FT	392	449	552	2,153	2,574	505	242	237	116	72	84	157



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373200 Oak Run C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1959 to Sep 1960												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.0	3.3	2.6	2.6	105	6.1	8.0	9.0	4.6	2.2	1.7	0.80
2	4.3	3.4	2.4	2.6	24	6.0	7.6	20	4.5	2.4	1.5	0.80
3	3.7	3.6	2.5	2.5	66	21	7.5	12	3.8	1.5	1.2	1.5
4	1.9	3.7	2.4	2.3	38	73	6.8	12	3.4	1.8	1.2	0.70
5	2.4	3.6	2.5	2.3	53	100	6.5	9.3	2.3	1.7	1.2	0.90
6	2.5	3.6	2.4	2.4	25	41	6.5	8.6	3.3	1.0	0.80	1.9
7	2.8	3.0	2.5	3.2	283	135	6.5	9.3	2.8	1.3	1.3	2.4
8	3.3	2.7	2.6	19	271	55	6.2	8.0	3.6	1.1	1.5	2.5
9	3.7	3.0	2.6	8.8	88	38	6.5	7.5	3.4	1.3	1.1	3.0
10	3.4	3.2	2.6	6.9	95	30	6.5	7.0	3.4	2.0	1.4	3.0
11	3.2	3.3	2.8	50	37	29	5.8	6.8	3.5	1.6	1.6	2.4
12	3.2	3.2	3.2	11	26	53	5.0	6.7	3.2	1.2	1.4	2.5
13	3.1	3.0	3.2	5.0	28	35	4.7	6.5	3.2	2.0	1.3	2.0
14	3.3	3.3	3.0	5.0	19	24	5.2	6.4	3.4	1.1	1.0	0.90
15	3.1	3.2	3.0	5.4	16	22	4.7	4.3	3.3	1.1	0.70	1.3
16	2.8	3.6	3.1	5.3	13	18	4.4	4.7	3.2	1.0	1.0	2.2
17	3.2	3.8	3.4	5.1	11	17	4.4	5.2	2.8	0.90	0.50	1.9
18	3.2	3.2	3.3	4.7	16	16	3.2	5.2	3.0	1.1	0.60	1.2
19	3.1	3.2	3.3	4.4	12	14	3.6	4.8	2.7	1.2	1.0	1.2
20	3.0	3.8	3.2	4.9	10	13	3.4	5.6	3.1	0.60	0.30	1.7
21	3.0	3.3	3.2	33	9.0	12	3.7	6.7	2.2	0.50	0.30	1.7
22	3.5	2.9	3.2	84	8.2	11	3.7	5.2	2.6	0.80	0.30	1.6
23	3.2	3.2	5.2	18	7.8	11	8.1	7.8	2.6	1.0	0.90	1.8
24	3.2	2.8	20	13	7.4	10	11	9.0	2.0	1.2	1.5	2.5
25	3.2	2.5	7.0	22	7.3	9.3	9.2	8.8	3.1	1.5	1.6	2.0
26	3.2	2.6	4.2	19	7.0	9.0	9.0	8.0	2.4	1.9	1.2	2.0
27	3.0	2.6	3.8	56	6.7	9.0	15	7.0	2.6	1.7	1.0	2.5
28	2.8	2.8	3.6	54	6.6	11	11	6.7	2.6	1.0	1.6	2.8
29	2.9	2.9	3.4	19	6.2	8.6	10	6.2	2.5	1.2	1.6	2.9
30	3.0	2.7	3.3	31		10	8.8	5.9	1.9	1.5	0.90	1.8
31	3.2		3.4	11		8.6		5.6		1.3	0.80	
Total	97	95	117	513	1,302	856	203	236	91	42	34	56
Mean	3.1	3.2	3.8	17	45	28	6.8	7.6	3.0	1.3	1.1	1.9
Max	4.3	3.8	20	84	283	135	15	20	4.6	2.4	1.7	3.0
Min	1.9	2.5	2.4	2.3	6.2	6.0	3.2	4.3	1.9	0.50	0.30	0.70
AC-FT	193	188	232	1,018	2,583	1,697	402	468	180	83	67	112



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373200 Oak Run C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1960 to Sep 1961												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.8	3.6	367	5.5	50	12	24	10	8.6	2.7	3.2	1.9
2	1.8	3.6	77	5.3	120	12	22	10	9.4	1.8	3.3	2.4
3	1.6	3.1	31	5.2	60	12	20	8.6	7.2	1.4	2.9	1.8
4	1.8	2.9	18	5.0	36	11	19	7.7	6.6	2.9	2.4	1.1
5	3.0	2.3	12	5.0	27	19	18	7.7	6.5	2.8	2.6	1.2
6	7.6	2.6	10	4.9	26	14	16	10	6.5	3.4	2.2	1.3
7	5.3	4.0	7.9	5.2	22	12	15	9.0	6.2	2.7	2.0	2.0
8	4.8	3.0	7.6	5.8	41	34	14	8.8	5.9	1.4	1.4	1.8
9	4.5	2.8	6.9	10	246	30	14	10	5.8	1.3	1.6	2.4
10	5.0	2.8	6.9	6.6	73	28	13	11	5.2	1.5	1.6	2.7
11	4.9	4.8	6.4	5.5	259	21	12	16	4.7	1.7	1.8	2.6
12	4.8	18	5.9	5.2	69	18	12	11	5.3	1.8	2.4	2.6
13	4.2	62	5.8	4.9	64	16	11	10	5.2	2.2	2.9	3.0
14	4.0	20	5.6	4.9	78	37	11	8.8	4.7	2.1	2.9	3.1
15	3.5	9.4	6.4	4.9	92	39	10	8.3	4.5	2.2	2.5	3.3
16	3.5	6.6	48	4.8	50	29	8.5	7.9	3.9	2.2	1.7	5.0
17	2.4	8.2	188	4.6	40	48	7.9	7.7	2.6	1.8	1.7	4.8
18	2.6	30	55	4.3	34	27	7.9	7.4	2.8	2.2	3.9	4.4
19	3.1	7.7	28	4.2	30	54	6.2	7.4	2.2	2.7	4.4	4.1
20	2.8	6.1	19	4.2	26	38	7.6	7.6	2.4	2.7	4.1	3.8
21	1.8	5.5	14	4.1	23	28	10	6.8	1.6	2.6	3.4	3.5
22	2.7	4.3	12	4.0	21	27	24	5.9	1.6	2.2	2.0	3.1
23	3.0	5.9	10	5.3	19	34	74	6.1	1.6	2.3	1.3	3.4
24	2.8	7.7	9.2	4.8	18	100	20	5.9	1.8	2.2	1.7	3.1
25	3.1	147	8.3	4.5	17	46	15	4.1	2.5	1.4	1.5	2.4
26	4.1	81	7.7	6.6	14	89	13	7.6	2.4	1.4	1.4	2.2
27	3.7	19	6.9	13	14	54	11	6.8	2.7	1.6	1.2	2.0
28	3.0	10	6.6	7.2	13	39	10	6.4	3.3	1.6	1.2	2.4
29	3.4	8.3	6.2	95		34	12	6.6	3.0	1.9	2.5	2.8
30	3.2	23	6.1	102		30	11	8.6	2.6	2.2	2.2	3.4
31	3.5		5.9	195		27		7.2		3.4	1.8	
Total	107	515	1,005	547	1,582	1,019	469	256	129	66	72	84
Mean	3.5	17	32	18	57	33	16	8.2	4.3	2.1	2.3	2.8
Max	7.6	147	367	195	259	100	74	16	9.4	3.4	4.4	5.0
Min	1.6	2.3	5.6	4.0	13	11	6.2	4.1	1.6	1.3	1.2	1.1
AC-FT	213	1,022	1,993	1,085	3,138	2,021	930	507	256	132	142	166



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373200 Oak Run C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1961 to Sep 1962												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.6	4.6	287	5.6	5.3	30	13	6.4	3.8	1.4	1.5	2.9
2	4.1	4.6	54	5.3	5.2	64	12	6.2	3.8	1.4	1.6	2.8
3	3.3	4.5	23	5.2	5.1	41	12	5.9	3.9	1.5	1.8	1.9
4	3.3	4.2	14	4.8	5.0	38	11	5.4	4.0	2.2	2.6	1.8
5	3.9	4.2	10	4.7	4.8	130	11	4.6	3.7	2.3	1.8	2.6
6	3.6	4.1	8	4.7	8.7	117	10	4.6	3.3	2.0	2.0	2.1
7	3.8	4.1	6.9	4.6	46	70	10	4.3	3.4	2.2	2.2	2.0
8	3.6	4.1	6.4	4.5	62	51	10	5.3	3.4	1.7	3.0	2.0
9	4.0	4.0	5.9	4.2	98	41	10	5.2	2.2	1.3	4.2	2.1
10	4.4	4.0	5.6	4.1	106	34	9.0	5.0	2.3	1.8	3.6	2.3
11	7.9	3.8	5.2	4.1	54	29	8.5	6.4	2.4	2.1	3.4	2.6
12	7.2	3.4	5.2	4.7	53	25	5.4	6.4	2.6	1.7	2.8	2.6
13	5.7	3.3	5.1	4.4	126	23	5.9	7.8	2.2	1.6	2.4	2.3
14	5.1	3.3	4.8	4.1	100	22	6.5	7.3	3.3	1.6	2.6	2.7
15	4.8	3.2	4.6	4.0	94	22	7.2	7.6	3.2	1.3	2.5	3.3
16	4.8	3.2	4.5	4.0	61	28	7.6	6.8	3.3	1.5	2.6	3.2
17	4.8	3.4	11	4.0	44	23	7.6	6.5	2.3	1.6	2.0	2.8
18	3.8	3.5	22	7.5	51	20	7.2	6.8	3.0	1.6	2.0	2.9
19	3.2	4.0	137	139	41	19	8.6	6.5	3.2	2.0	2.1	3.1
20	5.4	4.7	84	39	30	20	8.6	6.4	2.6	1.9	2.1	3.6
21	5.7	3.9	40	12	24	21	7.6	6.0	2.4	1.6	1.8	3.2
22	5.3	4.8	19	9.2	21	38	6.7	5.9	2.4	1.6	1.3	2.6
23	5.3	4.7	14	9.0	19	24	6.4	5.9	2.6	1.3	3.1	2.2
24	5.3	10	11	9.2	18	20	6.4	5.8	2.5	1.6	5.2	2.2
25	5.4	69	10	8.8	16	19	6.2	5.6	1.9	1.4	4.4	2.0
26	6.5	39	8.5	7.6	14	18	5.8	5.6	2.0	1.6	2.2	1.8
27	12	12	7.6	6.8	13	16	7.8	4.0	2.0	1.7	2.2	2.4
28	7.1	7.4	7.1	6.2	14	15	7.3	3.4	2.4	1.6	2.2	5.3
29	5.2	39	6.6	5.8		15	6.5	3.4	2.0	1.6	2.6	4.5
30	4.8	13	6.2	5.7		14	6.5	3.2	1.2	1.4	2.4	3.9
31	4.6		5.8	5.4		13		3.9		1.3	2.5	
Total	157	281	840	348	1,139	1,060	248	174	83	51	79	82
Mean	5.0	9.4	27	11	41	34	8.3	5.6	2.8	1.7	2.5	2.7
Max	12	69	287	139	126	130	13	7.8	4.0	2.3	5.2	5.3
Min	2.6	3.2	4.5	4.0	4.8	13	5.4	3.2	1.2	1.3	1.3	1.8
AC-FT	310	557	1,666	691	2,259	2,102	491	345	165	102	156	162



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373200 Oak Run C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1962 to Sep 1963												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.5	4.0	6.2	10	128	11	56	20	10	4.7	3.4	3.8
2	3.7	4.2	259	10	70	11	38	19	9.5	5.3	4.0	3.4
3	4.4	4.0	85	10	58	11	33	22	8.8	5.9	3.9	3.0
4	3.9	4.0	28	9.0	42	10	28	20	8.8	6.5	3.6	3.6
5	3.9	4.0	18	8.3	33	10	176	18	8.6	6.0	3.9	3.8
6	3.7	3.9	14	8.0	28	10	481	18	8.3	5.8	2.6	4.6
7	3.7	3.9	11	7.8	23	10	300	44	8.6	5.4	3.0	4.4
8	4.6	3.9	10	7.6	24	10	200	39	8.1	5.2	3.0	3.3
9	16	4.5	9.0	7.6	21	10	150	32	7.6	5.2	3.8	4.2
10	30	4.4	8.3	7.5	24	9.3	100	39	7.2	5.2	3.8	3.4
11	268	4.0	7.8	6.4	20	9.0	95	33	6.7	3.9	3.9	3.8
12	325	3.9	7.5	7.6	34	8.8	80	27	6.5	3.6	3.0	2.7
13	96	3.9	7.2	6.7	40	8.6	70	24	7.0	3.6	2.6	4.2
14	113	3.7	7.2	6.8	36	9.9	200	22	7.3	4.0	2.7	4.8
15	20	3.7	158	6.7	26	9.3	150	20	7.0	3.9	2.7	4.4
16	12	3.6	107	6.5	28	14	90	19	6.2	3.0	3.4	4.7
17	9.0	3.5	245	6.4	26	16	59	18	3.6	4.0	3.7	5.2
18	7.3	3.5	77	6.2	21	12	64	18	3.5	3.7	3.7	5.2
19	6.5	3.4	43	5.8	19	11	120	16	3.9	4.3	4.3	5.3
20	6.2	3.4	30	5.9	20	10	57	15	4.7	3.4	4.0	5.3
21	5.9	3.4	25	6.0	17	10	47	15	5.3	3.3	4.0	5.8
22	5.4	3.4	21	6.0	16	10	45	14	6.4	3.4	3.8	4.8
23	5.0	3.4	18	5.9	15	34	36	14	6.5	3.8	4.0	4.8
24	4.8	3.4	16	5.8	14	21	33	14	5.9	4.8	4.6	5.0
25	4.8	3.4	14	5.9	14	14	35	13	5.6	4.6	3.6	4.8
26	4.8	76	13	5.8	13	12	33	10	5.4	3.0	3.8	4.8
27	4.7	18	12	5.6	12	82	30	10	5.4	3.2	2.7	3.0
28	4.6	9.3	12	5.8	12	73	27	10	5.9	2.8	3.4	3.8
29	4.5	7.0	11	8.5		31	24	10	5.8	2.9	3.8	4.2
30	4.3	6.2	11	143		35	22	10	5.8	3.7	4.6	5.4
31	4.2		10	228		135		10		3.7	4.2	
Total	993	211	1,301	576	834	667	2,879	612	200	132	112	130
Mean	32	7.0	42	19	30	22	96	20	6.7	4.3	3.6	4.3
Max	325	76	259	228	128	135	481	44	10	6.5	4.6	5.8
Min	3.5	3.4	6.2	5.6	12	8.6	22	10	3.5	2.8	2.6	2.7
AC-FT	1,970	418	2,581	1,143	1,654	1,323	5,710	1,214	396	261	221	257



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373200 Oak Run C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1963 to Sep 1964												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.2	9.3	8.2	6.4	12	8.6	8.2	5.2	2.7	0.60	1.0	2.8
2	4.4	10	8.0	6.4	11	6.4	5.8	4.5	2.6	1.0	1.0	2.3
3	4.8	10	7.6	5.9	10	5.2	5.3	9.1	2.2	0.90	1.0	2.2
4	4.4	23	7.6	5.9	10	4.8	4.8	5.8	2.6	0.80	0.60	1.9
5	4.4	18	7.5	5.6	9.1	4.5	3.4	5.4	2.2	1.2	0.80	1.6
6	4.8	16	7.3	5.8	8.5	4.5	4.2	5.3	3.6	1.0	1.2	1.3
7	5.6	11	7.0	5.8	8.0	4.3	4.5	4.8	5.2	1.5	1.1	1.7
8	4.4	64	7.5	5.4	8.0	4.3	4.5	4.3	5.2	1.7	0.90	1.4
9	6.5	46	8.7	6.5	7.6	5.2	4.2	3.2	9.3	1.7	1.0	1.1
10	7.3	14	7.2	6.4	7.6	5.0	3.5	3.0	6.7	1.3	0.80	1.4
11	10	10	6.7	5.6	7.3	5.6	3.9	2.7	4.8	1.2	0.60	1.3
12	7.2	8.9	6.4	5.6	7.0	7.5	3.9	3.0	4.3	1.2	0.90	1.6
13	7.2	17	6.4	6.7	6.8	6.4	3.7	2.7	4.0	0.80	1.1	1.4
14	7.2	34	6.2	7.0	6.8	5.8	2.7	2.9	4.2	0.70	1.1	1.0
15	7.2	36	6.2	5.9	7.8	5.4	2.5	2.8	4.3	0.60	1.2	0.80
16	6.7	14	6.2	7.2	7.2	5.0	2.3	3.2	4.0	1.0	1.0	1.2
17	6.5	11	6.0	23	6.8	5.0	1.6	2.7	4.0	1.0	0.80	1.3
18	6.7	10	6.0	21	6.4	4.7	1.5	2.6	3.8	0.40	0.80	1.1
19	6.5	54	6.7	113	6.0	4.7	1.4	2.9	3.0	1.1	0.70	1.2
20	7.2	28	11	122	5.9	4.7	1.5	3.4	3.0	1.0	1.0	1.2
21	7.2	14	7.2	56	5.9	5.0	1.4	3.4	2.4	1.1	0.90	1.3
22	10	12	6.5	36	5.9	6.4	1.8	2.9	1.8	1.0	0.60	1.3
23	10	77	6.2	26	5.6	6.0	2.1	3.0	2.3	1.0	0.60	1.2
24	7.8	29	6.2	27	5.8	6.7	2.8	2.8	2.0	0.80	0.10	0.80
25	7.5	16	6.2	32	5.4	5.9	3.0	2.9	2.0	0.80	0.20	1.2
26	7.2	13	6.0	23	5.4	5.6	2.5	2.3	2.0	0.80	0.30	1.2
27	6.8	11	6.7	19	5.6	5.4	1.6	2.1	1.9	0.50	0.60	1.2
28	7.5	10	8.5	16	5.6	5.2	1.7	2.8	1.5	0.40	0.30	1.3
29	9.3	9.1	7.2	16	5.4	4.8	2.2	3.0	1.6	0.50	0.50	1.0
30	9.3	8.7	6.5	14		4.8	2.4	3.0	1.4	0.50	0.70	1.1
31	9.1		6.4	13		5.3		2.2		0.60	1.1	
Total	216	643	218	655	210	169	95	110	101	29	25	41
Mean	7.0	21	7.0	21	7.2	5.4	3.2	3.5	3.4	0.93	0.79	1.4
Max	10	77	11	122	12	8.6	8.2	9.1	9.3	1.7	1.2	2.8
Min	4.4	8.7	6.0	5.4	5.4	4.3	1.4	2.1	1.4	0.40	0.10	0.80
AC-FT	428	1,275	432	1,299	417	335	188	218	200	57	49	82



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11373200 Oak Run C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1964 to Sep 1965												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.60	2.5	46	29	18	10	25	19	5.5	4.2	5.6	2.8
2	0.90	12	34	28	17	10	57	18	5.6	4.2	3.2	2.3
3	1.2	7.0	18	43	17	10	20	17	5.8	4.0	3.0	3.4
4	1.5	5.0	12	143	17	10	15	15	6.2	3.9	3.1	3.3
5	1.2	3.3	10	430	40	10	15	12	6.0	3.7	2.5	4.2
6	1.3	2.3	8.7	187	23	10	106	12	5.6	2.4	2.8	4.3
7	1.3	6.0	7.8	97	18	10	36	12	5.8	4.2	3.1	3.5
8	1.6	37	7.8	63	17	9.2	97	12	6.1	2.9	2.9	4.7
9	1.6	44	7.5	50	15	9.0	201	12	6.2	2.4	2.9	4.1
10	1.6	95	42	46	15	9.0	120	9.2	5.4	3.6	3.9	3.9
11	1.6	120	26	84	14	8.9	72	9.2	4.9	3.5	7.6	3.6
12	1.6	50	14	48	14	11	53	9.1	4.3	4.2	5.9	3.8
13	1.6	26	12	39	14	9.2	53	8.6	4.1	4.5	4.9	3.5
14	1.6	10	11	34	14	8.5	55	7.9	4.9	3.7	4.2	3.2
15	1.6	7.4	11	32	13	8.1	68	7.2	5.5	4.4	4.5	3.3
16	1.6	5.4	9.1	30	13	8.1	168	7.1	5.5	5.5	4.5	3.7
17	1.6	4.2	7.8	28	12	8.1	69	8.0	6.4	4.5	4.6	3.8
18	1.6	3.7	20	28	12	7.8	141	8.5	5.8	4.4	9.1	2.7
19	1.6	3.1	90	28	12	7.6	115	9.0	4.5	4.6	6.1	2.5
20	1.6	3.0	29	27	11	7.5	90	9.4	4.4	4.8	5.5	2.3
21	1.6	3.5	121	27	11	7.5	82	11	4.3	5.9	5.0	1.9
22	1.6	4.1	285	25	11	7.5	59	11	4.8	6.2	4.8	2.1
23	1.6	3.2	88	81	11	7.3	46	8.6	4.5	6.3	4.8	3.5
24	1.6	4.2	65	46	10	7.2	39	8.5	4.9	5.5	4.9	3.8
25	1.8	14	98	32	10	7.5	33	8.0	4.7	4.8	5.2	4.3
26	1.8	14	113	28	11	18	29	7.4	4.3	5.1	5.1	4.1
27	2.1	15	75	26	16	32	27	7.5	4.3	4.1	4.8	3.9
28	2.4	116	63	23	11	12	25	7.5	4.1	4.2	4.3	3.9
29	2.2	27	66	22		10	23	6.3	4.1	4.3	4.2	3.9
30	2.1	26	58	20		10	21	4.0	4.1	5.7	3.3	3.3
31	2.1		42	20		10		4.6		7.8	3.0	
Total	50	673	1,498	1,844	417	309	1,960	307	153	140	139	104
Mean	1.6	22	48	59	15	10	65	10	5.1	4.5	4.5	3.5
Max	2.4	120	285	430	40	32	201	19	6.4	7.8	9.1	4.7
Min	0.60	2.3	7.5	20	10	7.2	15	4.0	4.1	2.4	2.5	1.9
AC-FT	99	1,336	2,971	3,658	827	612	3,888	608	303	277	276	205



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

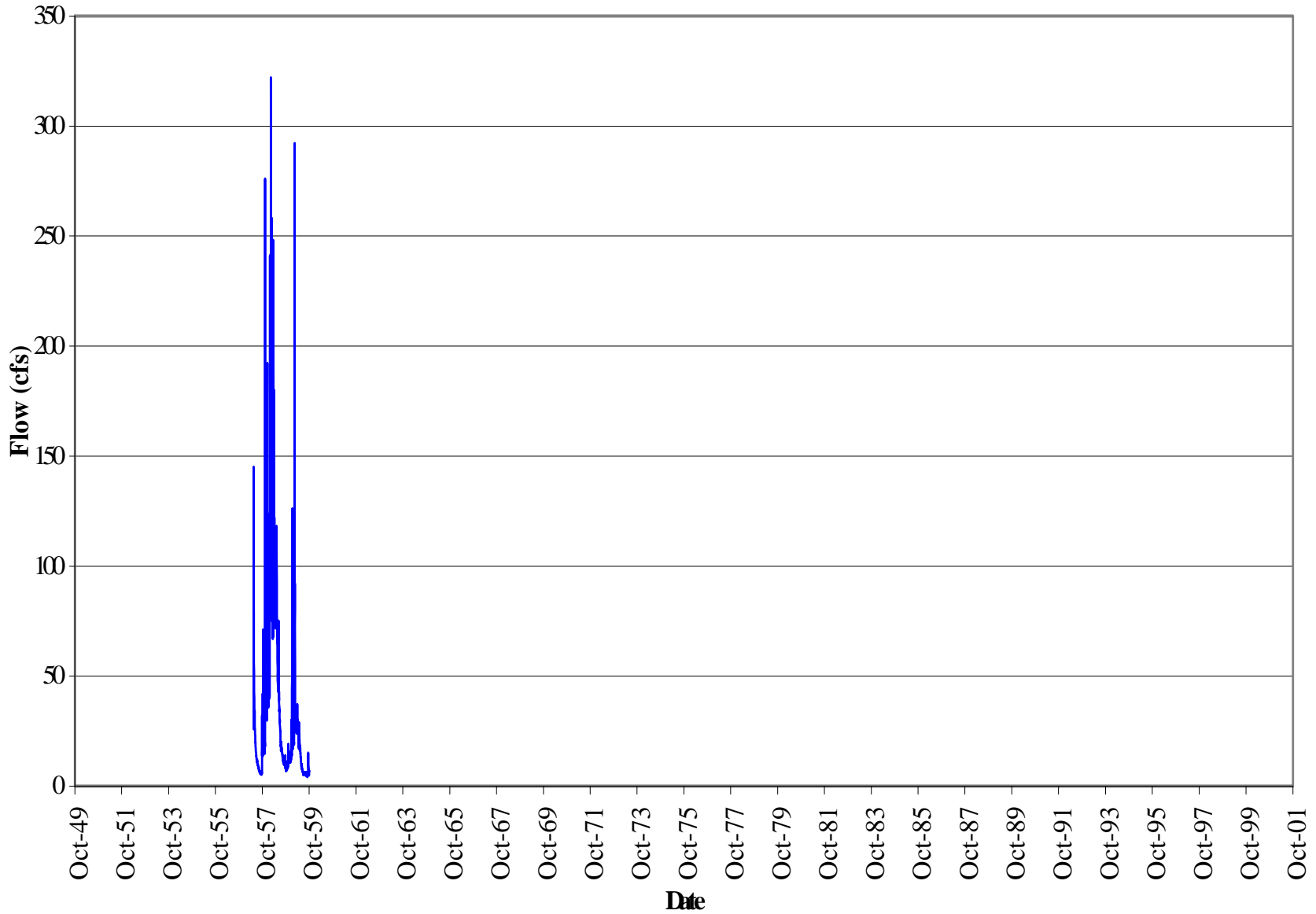
Appendix E: USGS Streamflow Data

11373200 Oak Run C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1965 to Sep 1966												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.4	4.0	6.4	19	46	22	12	6.9	4.1	1.6	1.7	1.5
2	3.2	4.7	5.9	15	22	20	12	5.3	4.1	1.7	1.6	1.6
3	3.6	5.3	5.6	94	39	19	10	5.8	3.4	1.9	1.3	1.6
4	2.9	5.7	5.4	560	61	18	8.5	5.7	2.5	1.8	0.70	1.8
5	4.3	5.5	5.1	468	77	23	8.1	6.0	1.9	1.9	1.3	1.8
6	2.8	5.4	4.9	135	106	25	9.3	5.5	2.0	1.6	1.2	2.7
7	2.8	6.4	4.8	74	48	30	10	6.1	3.5	1.4	1.5	2.8
8	3.0	8.1	4.7	123	35	59	10	6.7	3.2	2.1	1.7	2.3
9	4.1	6.0	4.9	60	29	40	26	6.8	3.1	1.4	1.6	2.3
10	4.5	5.6	5.5	43	26	82	34	6.6	3.1	0.90	1.2	1.9
11	4.7	5.8	5.6	33	22	42	45	5.5	2.4	1.5	1.2	1.5
12	4.1	17	5.6	27	20	34	83	5.4	1.6	1.5	1.5	2.2
13	3.6	28	5.2	23	18	36	28	5.4	2.4	2.0	1.3	2.8
14	3.9	31	5.1	20	17	31	21	5.6	1.6	1.6	0.80	2.7
15	4.3	44	4.9	18	16	43	18	5.2	1.3	1.9	1.0	1.2
16	3.8	11	4.9	15	15	41	16	3.1	1.4	1.9	1.6	2.0
17	3.9	65	4.9	14	14	29	15	3.5	1.6	1.9	1.2	1.8
18	4.1	23	4.8	14	14	27	14	3.5	1.8	2.0	1.3	2.4
19	4.0	22	4.8	12	38	40	13	3.8	1.9	2.2	1.1	2.8
20	3.3	11	4.8	11	24	26	12	4.2	2.2	2.0	0.70	2.6
21	3.1	7.6	4.8	11	19	24	11	4.2	3.0	1.9	1.0	2.5
22	3.2	6.4	4.7	12	24	21	11	4.1	1.8	1.9	1.3	2.5
23	2.8	7.3	4.6	11	32	20	10	3.9	1.2	1.8	1.6	2.9
24	3.4	20	5.1	10	49	19	10	3.7	1.8	1.7	1.2	2.6
25	3.8	47	8.7	9.4	40	18	8.8	3.8	1.8	1.5	1.7	3.1
26	3.6	40	7.5	9.0	33	17	8.4	4.3	2.0	1.8	1.9	3.1
27	4.6	23	8.1	8.5	26	15	7.8	3.4	2.5	1.2	2.1	2.9
28	4.5	11	101	8	24	15	7.4	3.7	2.1	0.70	2.4	2.5
29	4.5	8.4	38	32		14	6.9	2.8	2.3	0.80	2.7	2.3
30	3.7	7.1	94	39		13	7.0	3.0	2.2	1.2	1.9	2.0
31	4.0		63	24		13		3.4		1.6	1.6	
Total	116	492	443	1,952	934	876	492	147	70	51	45	69
Mean	3.7	16	14	63	33	28	16	4.7	2.3	1.6	1.4	2.3
Max	4.7	65	101	560	106	82	83	6.9	4.1	2.2	2.7	3.1
Min	2.8	4.0	4.6	8.1	14	13	6.9	2.8	1.2	0.70	0.70	1.2
AC-FT	229	976	879	3,871	1,853	1,738	976	291	138	101	89	136



Clover Creek at Oak Run





Average Daily Flow for Clover Creek at Oak Run



EXHIBIT E.5 Average Monthly Flow. Clover Creek Near Oak Run, Water Years 1957-1959

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1957								64	21	11	7.0	7.9
1958	21	40	49	73	171	107	98	74	42	20	13	10
1959	8.0	12	14	39	51	28	24	15	7.7	5.9	5.3	6.2
Average	15	26	31	56	111	68	61	51	24	12	8.5	8.0
Max	21	40	49	73	171	107	98	74	42	20	13	10
Min	8.0	12	14	39	51	28	24	15	7.7	5.9	5.3	6.2



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372700 Clover C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1956 to Sep 1957												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1									35	13	8.6	5.9
2									34	12	8.4	5.6
3									32	12	8.6	5.6
4									28	12	8.6	5.6
5									27	12	8.6	5.6
6									27	12	8.6	5.6
7									26	12	8.2	5.7
8									25	12	7.4	5.6
9									24	11	7.4	5.6
10									24	11	7.4	5.7
11									23	11	7.4	5.6
12									22	11	7.4	5.6
13									21	12	7.1	5.6
14									20	11	6.7	5.5
15									20	11	6.8	5.7
16									20	11	7.0	5.9
17								26	19	10	6.8	6.4
18								145	18	10	6.7	6.7
19								120	17	10	6.5	6.7
20								95	17	10	6.5	6.7
21								79	16	10	6.4	6.2
22								69	16	10	6.0	6.0
23								62	16	10	5.9	5.7
24								56	15	10	6.0	5.6
25								52	15	9.3	6.4	5.7
26								49	15	9.3	6.5	8.2
27								47	14	9.0	6.4	32
28								43	14	8.8	6.0	20
29								40	14	8.6	6.0	14
30								38	13	8.6	6.1	18
31								36		8.6	6.0	
Total								957	627	328	218	238
Mean								64	21	11	7.0	7.9
Max								145	35	13	8.6	32
Min								26	13	8.6	5.9	5.5
AC-FT								1,898	1,244	650	433	473



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372700 Clover C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1957 to Sep 1958												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16	15	32	41	114	115	180	75	46	29	16	10
2	14	15	32	54	149	107	163	77	49	30	16	10
3	14	15	32	43	148	100	144	79	51	28	16	10
4	16	15	32	39	136	91	119	81	46	26	15	10
5	42	15	32	38	119	87	114	83	44	26	15	10
6	32	15	32	36	113	82	122	84	43	26	15	10
7	22	16	32	36	126	79	101	83	43	25	15	10
8	15	16	31	36	118	77	91	82	47	25	15	11
9	15	15	30	36	135	72	87	84	75	23	14	10
10	15	20	30	95	118	69	87	87	47	21	14	10
11	14	18	30	71	122	67	88	118	47	20	14	10
12	18	19	30	93	322	69	88	109	65	20	14	10
13	71	276	30	66	177	77	88	92	47	18	14	10
14	54	107	30	54	254	83	88	83	44	18	13	10
15	23	58	48	56	252	90	87	80	43	18	13	10
16	19	49	80	51	254	80	89	78	41	19	13	10
17	18	45	192	48	213	91	97	77	40	19	12	10
18	17	44	63	45	192	75	97	75	39	18	13	10
19	16	42	56	44	215	68	95	71	43	18	14	9.3
20	16	39	71	42	163	149	96	67	38	16	12	9.3
21	16	38	80	41	136	201	98	65	36	17	12	8.5
22	16	36	59	40	130	248	98	66	34	18	11	10
23	22	36	50	41	130	163	92	68	34	20	11	14
24	22	35	46	103	258	137	86	62	35	19	11	10
25	19	35	42	89	240	124	82	57	33	18	11	11
26	18	34	48	124	177	106	79	54	31	18	11	11
27	17	33	42	75	146	98	76	53	30	16	11	10
28	16	33	69	136	128	110	72	52	30	16	11	8.8
29	16	32	52	241		136	74	49	30	17	11	8.8
30	16	32	45	194		154	75	48	29	16	11	8.5
31	16		42	151		124		47		17	10	
Total	661	1,198	1,520	2,259	4,785	3,329	2,953	2,286	1,260	635	404	299
Mean	21	40	49	73	171	107	98	74	42	20	13	10
Max	71	276	192	241	322	248	180	118	75	30	16	14
Min	14	15	30	36	113	67	72	47	29	16	10	8.5
AC-FT	1,311	2,376	3,015	4,481	9,491	6,603	5,857	4,534	2,499	1,260	801	593



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

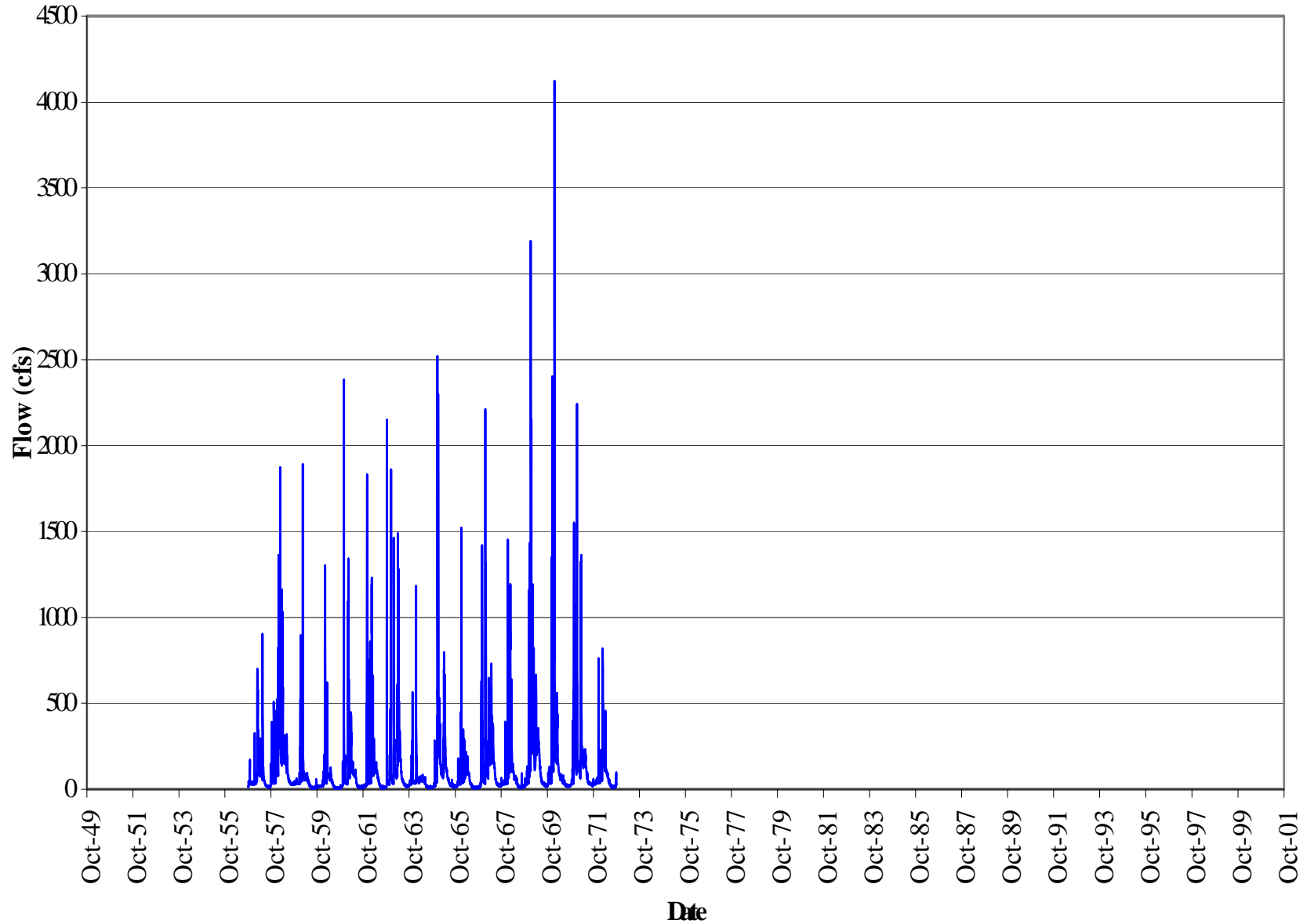
11372700 Clover C Nr Oak Run Ca												
Streamflow (cfs), Water Year Oct 1958 to Sep 1959												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.8	8.5	12	16	25	34	28	22	9.0	5.5	6.0	4.3
2	7.0	8.5	11	15	23	34	28	21	9.0	5.5	5.8	4.3
3	7.3	11	11	14	22	33	29	20	8.7	5.3	5.8	4.3
4	7.3	12	12	14	21	32	29	19	8.7	5.5	5.6	4.5
5	7.5	9.3	11	21	20	32	30	19	9.4	5.6	5.6	5.1
6	7.5	9.3	11	44	20	30	30	19	10	5.8	5.1	4.8
7	7.8	9.3	11	49	19	29	29	18	9.6	6.1	5.3	4.9
8	7.8	9.0	12	62	19	28	29	18	9.4	6.0	5.5	4.8
9	7.3	19	12	94	19	27	29	17	9.2	6.1	5.5	4.8
10	7.5	19	11	42	30	27	28	17	9.2	6.0	5.8	4.8
11	7.5	11	11	39	31	26	28	16	8.7	6.0	5.1	4.8
12	7.3	11	11	126	26	26	27	16	7.7	6.0	4.9	4.9
13	7.3	14	11	58	25	26	25	16	7.9	6.0	5.1	5.1
14	7.3	16	11	36	30	26	24	18	7.9	6.0	5.5	6.3
15	7.3	12	11	29	57	25	23	17	7.7	5.8	5.1	6.0
16	7.3	11	11	26	292	25	23	16	7.7	6.0	5.1	5.4
17	7.3	11	11	24	87	25	23	16	7.5	5.8	5.1	5.6
18	11	11	11	22	73	25	22	15	6.7	5.8	5.1	15
19	11	12	11	20	80	25	21	15	6.5	5.8	5.3	9.4
20	8.8	12	12	18	92	24	20	14	6.5	5.8	6.3	8.3
21	8.5	13	15	18	82	25	19	13	6.5	5.8	5.8	7.7
22	8.5	12	12	18	78	27	19	13	6.3	5.6	5.1	7.7
23	8.5	12	12	17	55	29	18	13	6.5	5.5	5.1	6.7
24	8.3	12	14	25	45	26	17	13	6.7	5.6	5.1	6.7
25	8.0	12	21	76	39	26	20	13	6.5	5.8	5.1	6.7
26	8.0	12	22	39	36	31	29	11	6.5	6.3	5.1	6.7
27	8.0	12	30	87	35	25	24	11	6.3	6.3	4.9	6.3
28	8.0	12	24	68	34	25	22	10	6.1	6.3	4.9	6.7
29	8.0	12	18	39	26	26	20	10	6.0	6.0	4.6	7.1
30	8.3	12	16	32	37	37	21	10	5.6	6.0	4.6	5.1
31	8.3		16	28		30		9.2		6.0	4.6	
Total	247	357	425	1,216	1,415	866	734	475	230	182	164	185
Mean	8.0	12	14	39	51	28	24	15	7.7	5.9	5.3	6.2
Max	11	19	30	126	292	37	30	22	10	6.3	6.3	15
Min	7.0	8.5	11	14	19	24	17	9.2	5.6	5.3	4.6	4.3
AC-FT	491	708	843	2,412	2,807	1,718	1,456	942	456	360	324	367





South Cow Creek at Millville





Average Daily Flow for South Cow Creek at Millville



Average Monthly Flow. South Cow Creek Near Millville, Water Years 1957-1972

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1957	35	38	32	53	130	210	108	178	55	21	16	25
1958	68	81	135	290	638	349	294	180	116	50	32	30
1959	33	38	38	171	231	76	69	45	18	9.4	8.9	16
1960	17	17	21	56	205	151	71	62	22	9.0	4.9	8.4
1961	15	76	153	87	302	187	112	92	52	16	13	13
1962	16	52	182	81	332	182	109	83	33	12	10	11
1963	178	46	206	121	244	125	421	174	57	30	22	21
1964	29	103	40	124	53	46	60	58	33	14	11	12
1965	13	79	351	394	136	86	337	117	53	27	26	17
1966	18	63	63	169	125	116	125	61	23	11	6.9	12
1967	13	107	174	370	139	185	289	269	125	41	24	22
1968	31	33	71	251	365	167	90	60	29	14	22	16
1969	27	53	288	722	475	185	276	254	99	39	26	23
1970	36	47	425	855	238	224	81	60	42	27	22	21
1971	30	205	362	334	119	315	171	178	104	42	31	26
1972	30	39	85	68	161	208	140	75	34	19	13	21
Average	37	67	164	259	243	176	172	122	56	24	18	18
Max	178	205	425	855	638	349	421	269	125	50	32	30
Min	13	17	21	53	53	46	60	45	18	9.0	4.9	8.4



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1956 to Sep 1957												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	70	31	29	34	210	114	78	111	31	16	17
2	14	60	31	28	40	178	100	116	103	29	16	16
3	13	50	31	28	36	326	96	93	92	27	17	15
4	14	46	38	29	35	548	93	82	84	26	16	10
5	15	44	41	28	35	579	90	77	81	25	18	14
6	16	42	36	28	35	499	90	74	74	25	17	16
7	16	40	32	29	37	324	86	72	64	24	17	16
8	17	38	31	30	44	255	88	77	61	23	18	16
9	18	38	32	29	44	249	86	75	64	23	18	14
10	20	37	32	28	41	188	77	74	67	23	17	14
11	45	36	34	32	41	172	74	72	60	21	17	14
12	40	36	36	150	41	267	74	66	57	21	16	15
13	32	32	36	323	43	169	77	63	54	22	16	16
14	30	35	36	72	50	147	169	68	54	23	13	15
15	28	36	33	54	50	281	109	62	52	22	14	16
16	27	35	32	44	50	345	98	56	50	20	14	18
17	26	35	31	38	49	192	105	54	49	18	16	18
18	26	34	31	35	47	158	116	902	43	19	13	18
19	29	33	30	36	48	143	293	815	45	20	14	18
20	29	33	30	98	48	132	198	440	44	20	14	17
21	27	33	30	68	74	126	147	352	44	21	15	16
22	26	32	29	49	96	113	126	280	42	21	15	17
23	27	32	29	45	164	103	118	229	39	18	16	14
24	32	32	29	47	700	96	109	205	35	16	16	16
25	30	32	29	49	609	95	98	184	32	16	16	16
26	35	31	28	41	457	90	90	170	32	17	17	20
27	75	31	28	32	418	83	85	159	32	16	15	147
28	50	32	28	41	276	86	78	143	32	16	17	91
29	45	31	28	32		124	77	136	32	16	16	48
30	170	32	29	34		118	82	125	32	17	16	38
31	110		28	33		118		117		16	16	
Total	1,097	1,128	979	1,639	3,642	6,514	3,243	5,516	1,661	652	492	736
Mean	35	38	32	53	130	210	108	178	55	21	16	25
Max	170	70	41	323	700	579	293	902	111	31	18	147
Min	13	31	28	28	34	83	74	54	32	16	13	10
AC-FT	2,176	2,237	1,942	3,251	7,224	12,920	6,432	10,941	3,295	1,293	976	1,460



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1957 to Sep 1958												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	51	35	41	109	314	357	1,030	154	117	70	37	28
2	38	34	40	205	652	305	1,010	158	115	80	39	27
3	42	35	39	139	773	267	569	164	125	70	37	29
4	35	34	39	116	729	239	385	171	112	67	33	29
5	91	34	40	105	496	219	381	178	103	62	32	29
6	98	34	39	96	349	202	595	178	100	61	32	29
7	82	34	39	88	413	183	305	173	95	58	33	30
8	55	34	38	79	341	185	250	176	127	50	33	33
9	51	34	38	93	365	166	222	178	319	47	36	32
10	61	37	38	468	295	158	207	193	154	54	32	31
11	48	48	37	193	393	152	207	267	142	50	30	32
12	43	39	37	525	1,200	154	207	311	195	45	32	30
13	388	508	36	242	466	217	207	225	154	46	32	30
14	229	415	37	166	888	325	205	200	132	46	30	29
15	91	157	92	191	750	272	202	193	122	49	29	27
16	66	110	374	153	649	183	200	195	115	47	31	26
17	55	91	200	129	522	158	222	197	110	54	32	27
18	49	81	333	112	797	144	228	200	106	51	31	27
19	44	75	189	102	986	138	217	197	108	47	30	29
20	40	69	217	95	541	736	212	190	108	46	32	29
21	39	63	416	88	409	1,160	219	185	98	41	31	29
22	38	57	235	79	357	1,110	217	183	92	43	33	30
23	40	54	164	132	377	596	197	193	90	45	31	40
24	51	51	139	825	1,870	417	181	178	87	43	31	34
25	46	50	118	396	1,240	337	171	164	82	44	32	35
26	42	48	139	727	726	270	164	156	77	44	29	33
27	40	45	110	240	536	242	158	140	74	43	29	32
28	39	44	459	576	433	239	156	128	71	41	29	32
29	38	43	189	1,360		690	150	125	70	41	29	29
30	34	42	141	733		589	150	122	70	39	28	27
31	37		120	420		421		120		37	29	
Total	2,101	2,435	4,173	8,982	17,867	10,831	8,824	5,592	3,470	1,561	984	904
Mean	68	81	135	290	638	349	294	180	116	50	32	30
Max	388	508	459	1,360	1,870	1,160	1,030	311	319	80	39	40
Min	34	34	36	79	295	138	150	120	70	37	28	26
AC-FT	4,167	4,830	8,277	17,816	35,439	21,483	17,502	11,092	6,883	3,096	1,952	1,793



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1958 to Sep 1959												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	29	35	32	39	71	100	75	70	26	10	5.8	11
2	29	34	32	39	66	103	77	69	22	10	8.7	11
3	26	34	32	37	61	103	75	64	23	11	9.1	10
4	29	35	33	36	58	100	85	59	22	13	8.0	10
5	29	34	32	172	56	95	88	55	23	13	6.1	8.7
6	30	33	32	245	54	92	86	53	26	12	8.3	8.3
7	31	33	32	120	52	89	82	51	24	12	7.6	10
8	29	33	32	286	50	83	77	48	22	8.0	6.4	9.1
9	29	39	33	521	50	80	75	51	22	8.7	6.4	9.1
10	27	61	32	144	86	77	73	51	21	12	7.2	8.7
11	29	40	32	112	148	73	75	46	21	11	7.2	9.1
12	31	36	32	894	95	72	73	40	19	11	8.7	8.3
13	32	36	32	287	80	72	80	36	19	8.3	9.1	8.7
14	32	55	32	134	89	70	70	48	20	6.9	9.1	8.3
15	31	41	32	96	334	69	65	54	20	8.3	10	11
16	31	41	32	80	1,890	65	61	43	19	10	8.7	8.7
17	32	40	32	69	453	66	59	47	19	12	8.7	8.7
18	46	40	32	62	347	66	56	46	20	10	4.0	56
19	41	43	32	57	308	65	52	41	18	10	4.4	33
20	38	41	32	54	533	54	51	40	18	10	10	25
21	35	40	41	51	487	63	52	36	17	7.6	15	22
22	35	39	38	49	298	63	51	40	16	9.1	11	21
23	35	39	33	47	193	72	52	46	12	9.1	12	19
24	34	34	36	318	150	70	52	42	11	8.7	9.1	20
25	34	33	51	528	132	65	56	37	11	6.1	10	20
26	34	32	54	164	112	85	91	32	13	6.6	10	20
27	34	32	96	173	106	68	83	33	12	8.3	10	19
28	34	32	63	214	101	66	72	33	12	8.0	11	18
29	34	32	49	115		68	69	31	8.7	8.3	11	18
30	34	32	44	93		77	68	30	10	5.0	12	19
31	34	41	80			73		28		8.7	11	
Total	1,008	1,129	1,188	5,316	6,460	2,364	2,081	1,400	547	292	275	468
Mean	33	38	38	171	231	76	69	45	18	9.4	8.9	16
Max	46	61	96	894	1,890	103	91	70	26	13	15	56
Min	26	32	32	36	50	54	51	28	8.7	5.0	4.0	8.3
AC-FT	1,999	2,239	2,356	10,544	12,813	4,689	4,128	2,777	1,084	580	545	928



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1959 to Sep 1960												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	20	18	18	20	863	35	75	72	36	7.0	7.8	6.2
2	20	17	18	18	240	34	72	123	32	5.4	6.6	7.0
3	19	18	18	20	185	43	71	95	31	13	6.2	9.9
4	19	18	18	20	111	341	78	103	27	14	7.4	10
5	16	17	18	20	178	456	72	84	28	15	7.4	9.9
6	15	16	18	20	108	232	68	78	25	12	4.6	8.6
7	13	16	18	23	1,300	619	69	82	26	10	4.8	7.8
8	18	16	18	47	870	375	71	80	38	11	3.8	6.2
9	20	16	18	43	341	229	71	76	30	11	0.80	7.0
10	20	16	18	40	392	168	71	71	26	11	0.80	9.0
11	18	16	19	100	170	143	72	69	27	10	1.6	8.6
12	14	16	20	59	124	235	68	67	24	8.6	5.8	8.2
13	12	17	20	33	157	201	64	63	23	9.4	4.8	6.6
14	13	17	19	34	106	132	69	55	21	9.0	4.6	9.0
15	13	17	19	33	90	114	63	52	22	11	8.2	8.6
16	15	17	19	29	78	105	59	52	21	8.6	6.6	9.0
17	16	17	20	29	69	98	57	49	20	8.2	5.0	9.0
18	16	18	20	30	69	90	54	46	20	7.0	5.0	9.0
19	15	18	20	33	63	80	57	44	20	4.6	4.6	7.8
20	14	18	20	31	54	78	54	44	17	3.8	4.4	6.6
21	16	17	20	66	49	76	53	45	16	4.6	4.2	9.0
22	18	18	20	198	46	76	55	40	16	9.9	5.4	9.0
23	18	19	24	84	44	75	84	42	16	9.9	5.0	10
24	18	19	39	61	41	76	87	52	15	8.6	6.2	9.4
25	18	19	50	126	41	80	87	49	15	9.0	5.0	10
26	18	18	26	95	40	81	80	54	17	8.2	6.6	9.0
27	17	18	24	69	38	80	108	53	18	9.0	5.4	7.4
28	18	19	23	98	37	82	95	51	16	8.2	5.8	8.6
29	18	18	22	62	36	74	78	48	16	7.4	3.6	7.8
30	17	18	21	127		90	72	45	14	8.2	0.50	8.2
31	18		20	75		84		42		7.4	2.6	
Total	520	522	665	1,743	5,940	4,682	2,134	1,926	673	280	151	252
Mean	17	17	21	56	205	151	71	62	22	9.0	4.9	8.4
Max	20	19	50	198	1,300	619	108	123	38	15	8.2	10
Min	12	16	18	18	36	34	53	40	14	3.8	0.50	6.2
AC-FT	1,031	1,035	1,319	3,457	11,782	9,287	4,233	3,820	1,335	555	300	501



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca
Streamflow (cfs), Water Year Oct 1960 to Sep 1961

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.6	15	2,380	35	327	69	133	92	92	23	13	12
2	8.2	16	390	34	760	69	133	89	113	20	10	12
3	9.0	16	181	33	287	66	144	87	98	17	11	11
4	7.8	15	117	32	191	65	156	84	92	18	12	7.5
5	11	16	92	32	147	84	150	83	84	19	13	6.6
6	22	17	75	32	145	84	140	95	80	20	14	10
7	21	21	67	32	133	73	129	100	76	23	14	12
8	21	22	60	35	166	246	118	93	72	24	9	11
9	18	20	55	38	1,230	194	115	93	66	23	12	11
10	19	18	51	39	386	162	110	103	63	23	13	10
11	20	21	48	35	1,340	127	103	108	62	16	13	11
12	17	34	45	35	410	106	117	100	61	16	15	10
13	17	160	43	34	289	98	110	98	58	15	12	10
14	16	69	42	34	275	304	101	93	51	16	13	11
15	15	35	42	33	640	359	97	95	45	14	12	11
16	15	29	69	32	292	224	98	93	43	15	12	16
17	15	28	195	31	218	448	103	93	38	11	12	20
18	15	84	132	31	178	180	106	93	39	10	13	18
19	15	51	89	31	150	180	100	100	38	12	14	17
20	15	37	71	31	134	210	93	103	35	14	12	17
21	16	35	62	31	120	162	92	97	34	13	14	16
22	15	32	57	31	112	154	110	93	33	14	13	14
23	16	31	53	32	101	165	156	89	29	15	14	15
24	16	32	49	33	93	431	105	83	24	13	13	15
25	14	615	46	31	90	258	92	76	26	13	15	15
26	16	498	44	34	83	325	90	87	26	12	12	13
27	17	116	41	55	77	280	86	84	23	12	13	12
28	15	68	39	45	72	208	86	74	22	12	15	12
29	15	47	38	287		173	89	69	20	12	18	12
30	15	90	37	348		152	89	95	20	14	15	10
31	16		35	1,090		140		97		16	12	
Total	477	2,288	4,745	2,686	8,446	5,796	3,351	2,839	1,563	495	403	377
Mean	15	76	153	87	302	187	112	92	52	16	13	13
Max	22	615	2,380	1,090	1,340	448	156	108	113	24	18	20
Min	7.8	15	35	31	72	65	86	69	20	10	9.0	6.6
AC-FT	945	4,538	9,412	5,328	16,752	11,496	6,647	5,631	3,100	981	799	748



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1961 to Sep 1962												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	20	1,830	46	41	386	100	96	55	21	9.1	9.4
2	12	20	369	44	40	366	109	96	51	18	10	10
3	12	20	138	41	39	167	107	100	51	18	10	11
4	12	20	83	40	39	138	97	104	53	18	12	11
5	9.2	18	63	38	38	661	100	106	49	18	13	10
6	7.5	18	53	39	44	651	102	104	46	16	11	8.8
7	8.2	18	45	39	305	397	106	102	43	16	11	10
8	11	18	38	39	467	217	111	104	37	14	14	10
9	9.2	19	38	40	728	172	113	111	34	8.5	19	10
10	12	19	36	38	583	144	107	102	34	6.6	16	10
11	18	18	31	37	314	128	102	96	31	7.8	14	10
12	23	19	34	40	539	113	102	88	31	10	12	9.1
13	20	20	33	38	1,190	99	106	91	31	13	10	9.1
14	18	20	32	34	906	94	115	86	35	12	8.5	11
15	17	20	32	34	1,230	92	128	86	35	13	6.0	12
16	16	19	31	34	594	97	124	80	31	12	7.2	10.0
17	15	20	35	34	386	99	118	67	29	10	7.8	9.1
18	16	20	38	38	412	84	113	75	28	11	9.4	7.8
19	14	21	742	856	299	81	118	76	26	12	12	10
20	16	24	751	330	219	86	113	72	27	12	11	10
21	23	23	365	102	170	100	100	67	20	12	8.8	11
22	20	23	172	73	138	293	96	66	19	13	8.8	11
23	19	23	118	76	124	147	100	75	21	9.1	9.1	10
24	18	39	96	57	111	118	106	72	23	7.8	9.1	11
25	17	497	83	53	99	107	106	66	23	7.5	10	12
26	20	141	72	51	86	102	102	67	22	9.4	10	12
27	23	67	64	48	80	97	111	69	23	11	10	10
28	26	43	59	44	83	97	155	66	23	10	10	15
29	21	188	55	43		99	115	66	25	12	8.8	17
30	20	117	51	42		99	100	64	24	12	8.8	16
31	20		48	41		97		60		11	10	
Total	504	1,552	5,635	2,509	9,304	5,628	3,282	2,580	980	382	325	323
Mean	16	52	182	81	332	182	109	83	33	12	10	11
Max	26	497	1,830	856	1,230	661	155	111	55	21	19	17
Min	7.5	18	31	34	38	81	96	60	19	6.6	6.0	7.8
AC-FT	1,000	3,078	11,177	4,977	18,454	11,163	6,510	5,117	1,944	757	645	640



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1962 to Sep 1963												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	33	57	60	1,300	87	204	168	92	39	22	21
2	15	33	310	57	654	84	170	168	84	42	20	18
3	14	32	466	57	532	83	154	182	80	40	24	19
4	12	31	198	55	376	80	140	176	77	39	23	20
5	12	31	138	52	295	76	194	174	74	38	22	20
6	12	31	112	50	252	74	1,490	174	70	38	23	22
7	14	30	96	48	218	73	1,080	340	64	40	23	22
8	18	30	85	47	204	71	690	257	57	37	24	20
9	20	32	77	46	182	71	508	260	56	30	26	15
10	123	46	70	44	189	69	646	257	56	29	26	18
11	686	35	66	40	178	68	460	238	56	30	26	20
12	2,150	33	62	36	204	66	344	213	56	28	24	22
13	858	33	61	43	286	64	441	196	56	30	19	23
14	511	32	61	40	185	66	1,280	187	59	30	15	23
15	182	31	301	37	160	69	680	176	56	29	20	22
16	117	29	428	37	152	87	420	170	52	30	20	20
17	93	29	1,860	36	180	98	337	168	56	29	17	18
18	78	29	510	36	150	86	342	168	54	30	20	20
19	69	29	270	35	138	74	436	166	52	29	20	24
20	62	31	192	34	140	73	267	172	51	23	21	23
21	57	30	150	34	130	71	317	174	48	23	20	23
22	48	29	124	35	120	71	510	166	46	28	21	21
23	46	29	110	34	113	89	232	148	51	29	22	21
24	45	28	96	34	107	95	211	142	50	28	23	22
25	43	28	85	34	102	77	204	126	45	29	22	21
26	42	185	76	33	98	74	198	118	47	27	22	19
27	40	200	74	32	94	493	178	109	45	24	22	20
28	37	87	70	32	90	607	168	102	43	24	22	20
29	36	67	66	36		267	166	95	44	23	22	20
30	36	60	64	1,090		218	166	95	44	23	23	19
31	35		63	1,460		290		102		21	21	
Total	5,526	1,383	6,398	3,744	6,829	3,871	12,633	5,387	1,721	939	675	616
Mean	178	46	206	121	244	125	421	174	57	30	22	21
Max	2,150	200	1,860	1,460	1,300	607	1,490	340	92	42	26	24
Min	12	28	57	32	90	64	140	95	43	21	15	15
AC-FT	10,961	2,743	12,690	7,426	13,545	7,678	25,057	10,685	3,414	1,862	1,339	1,222



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1963 to Sep 1964												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	20	27	47	40	89	44	73	82	39	18	10	18
2	20	28	45	42	84	46	70	70	36	19	13	18
3	20	30	43	38	78	39	64	73	32	17	11	16
4	20	75	42	38	73	39	62	70	33	18	12	16
5	20	81	40	37	71	38	62	66	34	18	11	14
6	23	95	39	37	66	38	66	64	37	17	12	14
7	23	68	38	37	62	39	58	62	43	16	11	13
8	23	196	39	36	60	38	58	62	44	15	12	12
9	26	165	43	37	59	38	58	59	65	14	13	10
10	28	76	40	37	58	38	62	60	68	14	12	10
11	46	58	38	36	56	40	59	58	52	16	12	11
12	38	50	37	35	53	68	60	56	44	16	10	12
13	31	48	37	36	52	54	60	62	39	14	8.6	12
14	30	97	37	40	49	49	62	64	38	12	8.2	5.9
15	29	126	36	38	52	46	66	64	32	14	10	8.2
16	28	74	36	39	49	45	73	62	33	14	10	11
17	27	59	36	66	46	46	71	64	32	12	11	11
18	27	53	35	92	45	48	70	60	30	12	10	12
19	27	283	37	138	44	45	66	58	30	12	12	12
20	27	184	46	1,180	45	45	64	54	30	14	12	10
21	27	73	45	382	41	45	56	48	26	15	12	9.0
22	31	59	40	240	41	50	50	48	20	14	12	9.0
23	56	562	39	166	40	50	52	46	20	16	12	8.2
24	37	163	38	149	40	53	44	45	18	14	10	8.6
25	34	84	38	196	39	50	44	44	20	15	10	10
26	30	69	38	142	38	49	46	48	19	15	10	10
27	29	60	39	116	37	49	48	52	20	14	8.6	11
28	28	56	44	100	39	49	50	58	20	14	10	13
29	30	52	45	95	39	49	58	48	19	14	8.6	13
30	29	50	42	97		50	60	44	19	10	10	12
31	28		40	88		54		40		6.8	13	
Total	892	3,101	1,239	3,850	1,545	1,431	1,792	1,791	992	449	337	349
Mean	29	103	40	124	53	46	60	58	33	14	11	12
Max	56	562	47	1,180	89	68	73	82	68	19	13	18
Min	20	27	35	35	37	38	44	40	18	6.8	8.2	5.9
AC-FT	1,769	6,151	2,458	7,636	3,064	2,838	3,554	3,552	1,968	891	667	693



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1964 to Sep 1965												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14	25	242	230	169	88	136	218	71	36	26	19
2	9.0	40	180	209	160	83	392	195	66	36	21	14
3	10	30	116	552	151	82	160	180	65	35	21	10
4	10	22	82	1,040	147	80	133	164	64	34	20	15
5	8.2	20	66	2,300	377	79	121	151	63	31	19	18
6	8.6	19	56	946	283	79	698	145	63	30	23	19
7	10	18	48	508	188	77	245	135	59	30	21	20
8	10	23	44	340	171	76	669	129	59	30	20	20
9	11	282	46	275	155	74	794	121	56	25	19	19
10	12	273	53	242	145	74	456	119	54	26	21	18
11	13	276	126	450	135	74	272	117	54	31	35	18
12	11	165	81	293	127	88	198	115	52	24	51	20
13	14	71	64	245	125	80	184	116	54	26	35	18
14	13	45	58	225	121	73	186	120	58	27	31	15
15	13	36	54	228	111	71	280	118	64	27	28	17
16	13	30	49	230	107	70	487	116	60	26	26	19
17	13	27	43	220	102	70	293	113	60	25	24	15
18	12	25	67	218	98	69	666	107	60	25	33	18
19	13	24	423	225	95	69	474	105	51	24	30	17
20	13	22	208	222	95	66	414	104	46	22	25	18
21	12	22	1,030	212	93	67	410	104	46	22	28	18
22	12	25	2,520	193	91	69	386	110	40	20	30	15
23	12	24	1,320	421	88	71	323	97	39	22	29	14
24	12	26	723	526	85	80	281	90	39	24	27	13
25	14	65	539	356	83	73	260	87	42	24	27	13
26	14	195	573	287	82	82	248	85	44	24	26	18
27	16	73	496	242	139	291	240	79	42	26	25	19
28	23	207	422	218	95	125	240	78	36	25	23	20
29	26	146	412	195		100	240	74	34	21	22	18
30	24	116	419	184		91	230	75	35	22	19	15
31	20		325	177		93		73		24	17	
Total	416	2,372	10,885	12,209	3,818	2,664	10,116	3,640	1,576	824	802	510
Mean	13	79	351	394	136	86	337	117	53	27	26	17
Max	26	282	2,520	2,300	377	291	794	218	71	36	51	20
Min	8.2	18	43	177	82	66	121	73	34	20	17	10
AC-FT	825	4,705	21,590	24,216	7,573	5,284	20,065	7,220	3,126	1,634	1,591	1,012



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1965 to Sep 1966												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16	20	37	77	219	81	132	86	34	12	11	6.5
2	18	21	35	64	94	73	143	81	31	15	11	11
3	18	20	34	63	134	66	144	81	31	18	9.4	12
4	16	21	34	1,010	298	62	146	84	30	16	3.2	10
5	16	23	33	1,520	211	77	141	87	29	14	4.6	9.0
6	18	24	32	400	346	87	130	92	31	14	7.5	10
7	18	27	32	207	137	76	128	86	35	14	5.9	10
8	20	42	31	245	99	124	131	90	31	17	4.6	8.3
9	20	31	30	158	82	112	130	90	32	14	7.5	11
10	20	28	30	122	71	186	176	85	29	12	6.0	12
11	19	29	30	100	62	162	190	84	30	14	4.0	13
12	19	43	32	83	58	135	173	79	29	14	7.5	13
13	19	57	31	72	53	143	144	74	26	13	5.5	13
14	20	114	30	65	51	146	131	66	24	12	6.7	13
15	22	175	29	60	49	164	126	65	21	13	7.8	12
16	21	67	32	56	46	191	131	60	20	14	8.8	12
17	22	145	32	53	45	132	140	54	20	16	8.5	15
18	22	166	32	51	44	117	139	52	17	13	8.5	15
19	22	82	31	49	126	216	124	48	22	12	5.0	17
20	20	62	31	46	144	133	112	46	19	7.5	8.0	15
21	18	46	32	44	81	115	97	44	22	7.0	9.3	14
22	17	39	32	44	76	102	92	45	23	2.5	10	14
23	18	37	30	44	133	93	88	42	20	2.3	12	13
24	17	106	69	42	286	88	91	37	18	6.0	4.8	11
25	17	143	123	40	180	86	95	34	15	4.2	5.0	11
26	16	93	66	40	169	85	100	36	13	5.0	5.9	12
27	16	82	51	39	108	91	94	33	17	7.6	3.4	11
28	15	52	446	38	90	99	92	35	13	6.8	5.5	8.5
29	16	44	166	175		106	92	35	11	11	3.8	8.5
30	17	40	143	152		117	88	34	10	8.8	6.5	8.5
31	20		147	79		123		34		11	6.0	
Total	573	1,879	1,943	5,238	3,492	3,588	3,740	1,899	703	347	213	349
Mean	18	63	63	169	125	116	125	61	23	11	6.9	12
Max	22	175	446	1,520	346	216	190	92	35	18	12	17
Min	15	20	29	38	44	62	88	33	10	2.3	3.2	6.5
AC-FT	1,137	3,727	3,854	10,389	6,926	7,117	7,418	3,767	1,393	688	422	693



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1966 to Sep 1967												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10	15	336	40	547	71	359	162	199	60	28	20
2	14	17	1,420	39	362	70	182	156	183	57	23	21
3	12	16	450	39	271	69	166	154	159	59	27	22
4	10	15	330	40	218	66	148	162	155	57	29	20
5	8.5	13	250	37	188	65	168	182	148	53	29	22
6	7.5	40	165	38	164	64	482	182	149	54	30	22
7	12	36	132	37	150	63	323	205	148	53	30	23
8	9.0	24	109	36	138	63	218	251	147	53	28	24
9	14	21	98	36	126	63	185	312	151	50	27	26
10	12	21	239	36	118	66	190	426	149	48	27	26
11	14	23	134	35	112	245	212	288	150	42	25	26
12	15	53	106	35	109	212	164	240	154	43	25	22
13	13	34	294	35	109	284	150	220	143	41	27	21
14	13	29	197	34	107	282	225	215	138	37	22	20
15	14	48	134	34	100	202	198	238	134	34	21	18
16	15	207	110	34	96	646	146	293	129	37	24	18
17	13	54	96	33	93	332	260	340	125	38	22	25
18	13	38	87	33	90	327	465	379	126	38	22	25
19	12	293	80	33	86	228	578	376	116	35	23	20
20	12	630	75	1,030	82	242	383	366	111	31	24	21
21	13	263	68	2,210	79	210	236	366	107	31	23	19
22	15	230	64	560	77	190	215	371	101	32	20	21
23	18	93	60	254	74	251	312	370	94	35	21	21
24	17	66	56	446	76	205	416	352	90	33	22	20
25	17	53	51	236	103	180	595	309	86	34	23	19
26	16	47	50	675	80	162	274	276	79	30	25	18
27	16	43	48	785	75	150	727	260	78	31	22	22
28	15	228	44	1,120	72	158	289	255	74	32	23	23
29	16	400	43	1,310		150	218	231	68	30	20	22
30	17	153	42	1,100		142	180	212	62	32	22	23
31	15		41	1,070		268		197		30	20	
Total	418	3,203	5,409	11,480	3,902	5,726	8,664	8,346	3,753	1,270	754	650
Mean	13	107	174	370	139	185	289	269	125	41	24	22
Max	18	630	1,420	2,210	547	646	727	426	199	60	30	26
Min	7.5	13	41	33	72	63	146	154	62	30	20	18
AC-FT	828	6,353	10,729	22,770	7,739	11,357	17,185	16,554	7,444	2,519	1,496	1,289



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1967 to Sep 1968												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23	27	41	38	130	221	147	71	33	16	12	14
2	41	27	37	37	546	198	137	72	35	18	12	14
3	63	28	214	35	300	180	119	72	34	15	9.4	13
4	36	28	392	34	181	165	112	72	34	14	14	11
5	35	29	246	33	144	158	112	71	48	17	11	16
6	33	30	71	33	133	144	105	67	59	14	12	17
7	30	28	203	32	129	138	100	64	48	16	12	15
8	31	28	71	33	122	134	97	64	40	16	10	17
9	31	31	52	53	130	122	95	60	36	16	8.0	16
10	30	30	45	1,080	130	111	98	55	34	17	11	16
11	30	30	42	161	121	105	103	54	30	18	13	13
12	30	30	39	104	113	202	106	60	30	17	8.9	13
13	26	31	34	139	106	203	100	74	31	17	12	14
14	26	48	40	1,280	105	158	98	74	28	17	15	16
15	28	38	46	1,450	95	139	99	66	27	13	18	18
16	26	33	34	626	170	636	97	60	27	13	17	13
17	26	31	31	315	669	265	91	58	22	14	17	14
18	25	33	38	200	269	193	87	57	20	12	17	14
19	27	49	38	149	746	165	85	59	18	10	33	14
20	29	35	35	121	972	148	80	72	20	12	92	18
21	30	32	34	107	831	138	79	61	23	16	75	20
22	32	32	34	95	814	132	68	68	25	10	44	20
23	29	31	36	88	1,190	128	65	65	25	13	30	19
24	27	30	37	84	725	123	60	61	22	10	26	19
25	30	30	38	80	492	142	61	56	23	12	23	16
26	30	30	40	75	381	134	59	55	22	11	24	13
27	29	31	49	71	323	125	63	49	22	11	23	16
28	29	33	50	68	279	120	57	41	17	8.9	22	13
29	30	45	45	524	244	120	60	42	17	12	19	15
30	28	47	42	465		120	64	38	18	14	16	20
31	27	39	39	181		124		35		15	16	
Total	947	985	2,193	7,791	10,590	5,191	2,704	1,873	868	434	672	467
Mean	31	33	71	251	365	167	90	60	29	14	22	16
Max	63	49	392	1,450	1,190	636	147	74	59	18	92	20
Min	23	27	31	32	95	105	57	35	17	8.9	8.0	11
AC-FT	1,878	1,954	4,350	15,453	21,005	10,296	5,363	3,715	1,722	862	1,333	926



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1968 to Sep 1969												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	26	58	128	290	454	304	256	166	50	32	22
2	19	43	46	166	248	438	276	247	155	49	32	19
3	11	60	40	169	220	355	269	239	149	51	32	20
4	15	46	38	161	210	257	226	217	141	49	28	18
5	21	36	37	151	487	222	665	225	135	47	28	24
6	22	32	38	145	518	200	520	245	130	51	27	24
7	19	30	36	140	302	180	321	275	123	46	28	23
8	19	28	47	134	267	165	279	299	121	36	26	22
9	17	28	62	120	657	161	253	315	130	46	28	24
10	18	27	1,160	108	578	150	231	332	126	45	28	24
11	26	29	361	1,210	1,190	137	224	354	130	44	27	23
12	34	107	181	3,190	940	129	240	351	115	40	24	22
13	61	48	179	2,430	498	121	234	342	106	42	29	19
14	57	45	625	813	739	115	225	313	98	42	28	15
15	37	67	680	465	822	113	207	280	97	37	26	23
16	29	110	282	330	514	116	202	264	84	36	29	24
17	27	71	168	257	376	132	215	264	82	37	25	24
18	26	131	128	359	373	142	288	273	84	34	26	25
19	25	89	107	1,610	305	140	254	255	89	31	34	26
20	25	59	88	2,140	297	140	255	240	81	31	28	26
21	25	48	76	2,150	266	137	270	228	77	39	26	27
22	25	44	71	1,030	230	133	292	228	73	35	22	26
23	25	44	85	624	374	136	349	230	64	36	20	25
24	24	56	1,000	481	470	136	286	232	66	36	24	25
25	25	69	1,430	714	429	140	249	221	63	34	24	24
26	25	52	438	986	457	147	227	219	60	33	21	23
27	26	45	328	631	412	158	218	211	64	35	22	21
28	26	41	548	488	820	177	221	193	59	33	22	21
29	41	38	270	389		201	239	181	56	33	22	26
30	51	50	177	348		226	246	178	53	30	21	23
31	29		137	300		272		165		28	23	
Total	851	1,599	8,921	22,367	13,289	5,730	8,285	7,872	2,977	1,216	812	688
Mean	27	53	288	722	475	185	276	254	99	39	26	23
Max	61	131	1,430	3,190	1,190	454	665	354	166	51	34	27
Min	11	26	36	108	210	113	202	165	53	28	20	15
AC-FT	1,688	3,172	17,695	44,364	26,358	11,365	16,433	15,614	5,905	2,412	1,611	1,365



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1969 to Sep 1970												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	35	35	147	331	558	104	63	42	30	25	22
2	19	34	36	130	298	255	102	60	41	32	24	22
3	20	35	35	122	276	221	95	60	39	28	25	21
4	24	34	35	115	258	318	93	60	43	29	24	22
5	24	126	35	106	238	256	93	55	43	29	23	23
6	25	129	35	103	221	213	94	64	38	30	21	23
7	24	88	35	102	203	331	93	65	36	29	20	23
8	26	63	44	167	191	439	90	73	42	30	23	23
9	28	53	42	1,180	179	357	87	85	49	28	23	20
10	27	46	43	540	171	435	88	75	78	30	22	20
11	27	43	103	396	165	304	87	69	51	27	22	19
12	27	44	1,350	440	224	271	85	70	47	26	24	17
13	27	41	644	620	457	247	87	70	46	26	22	21
14	31	40	227	1,120	259	237	90	59	54	21	20	20
15	59	39	148	810	208	215	86	53	47	28	20	19
16	91	39	112	2,190	431	202	84	58	45	28	20	21
17	96	38	107	1,100	403	187	81	56	42	26	19	22
18	51	38	115	810	280	174	73	60	39	24	16	23
19	44	38	2,400	755	242	169	79	65	32	28	21	22
20	40	37	1,340	822	220	162	70	64	35	24	20	21
21	38	37	1,820	1,320	204	154	62	60	34	25	22	22
22	38	37	625	1,270	189	145	68	57	33	26	23	20
23	37	36	1,040	4,120	178	139	65	59	34	26	23	20
24	37	36	670	2,760	170	134	59	56	35	26	22	24
25	36	35	615	1,210	160	130	64	52	33	26	22	20
26	36	35	388	968	154	126	71	45	35	19	23	21
27	36	35	305	1,140	149	120	71	50	37	26	23	21
28	36	35	245	631	196	115	66	50	42	26	23	22
29	36	35	205	502		113	64	49	50	23	19	21
30	35	35	179	430		109	66	46	35	24	17	21
31	35		161	374		108		44		25	22	
Total	1,131	1,396	13,174	26,500	6,655	6,944	2,417	1,852	1,257	825	673	636
Mean	36	47	425	855	238	224	81	60	42	27	22	21
Max	96	129	2,400	4,120	457	558	104	85	78	32	25	24
Min	19	34	35	102	149	108	59	44	32	19	16	17
AC-FT	2,243	2,769	26,130	52,562	13,200	13,773	4,794	3,673	2,493	1,636	1,335	1,261



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1970 to Sep 1971												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19	33	360	172	161	79	245	142	194	66	35	31
2	20	33	417	150	161	75	219	138	170	65	33	29
3	20	34	788	119	152	75	209	165	156	61	33	28
4	21	41	1,270	107	143	75	199	207	152	57	35	27
5	22	117	439	99	136	72	196	189	143	57	33	26
6	21	92	320	93	128	70	199	178	134	52	31	26
7	24	135	754	89	122	69	215	178	132	48	32	24
8	23	77	1,080	87	115	68	194	207	128	41	37	22
9	25	398	552	86	109	66	185	196	126	37	33	27
10	25	171	324	455	107	68	245	191	128	43	34	25
11	25	111	242	285	109	69	188	203	119	43	30	24
12	25	147	197	209	124	1,320	177	213	115	46	31	26
13	24	81	172	179	132	414	175	227	109	43	33	24
14	24	62	152	184	134	297	169	219	100	40	30	21
15	25	52	219	715	141	267	170	202	87	36	28	21
16	25	46	330	2,240	136	242	170	187	87	38	32	20
17	25	42	394	1,010	130	231	179	168	87	39	30	21
18	27	39	242	665	122	186	156	154	81	41	30	22
19	29	37	184	544	122	170	147	163	78	41	30	19
20	38	36	190	456	109	160	159	156	76	36	30	19
21	38	35	344	376	103	152	154	139	69	35	30	23
22	52	40	190	311	102	149	144	134	62	40	30	22
23	53	44	159	266	98	473	136	136	60	35	30	22
24	57	162	139	236	94	538	132	139	60	35	30	24
25	37	567	122	205	89	912	127	152	60	37	30	26
26	34	195	126	184	84	1,360	126	230	96	36	30	29
27	33	389	161	172	84	648	125	187	94	37	29	31
28	32	1,550	205	166	82	459	128	208	82	35	28	30
29	32	841	725	161		379	131	172	68	33	28	39
30	32	529	233	159		334	137	175	69	30	29	58
31	33		190	161		276		161		34	31	
Total	920	6,136	11,220	10,341	3,329	9,753	5,136	5,516	3,122	1,317	965	786
Mean	30	205	362	334	119	315	171	178	104	42	31	26
Max	57	1,550	1,270	2,240	161	1,360	245	230	194	66	37	58
Min	19	33	122	86	82	66	125	134	60	30	28	19
AC-FT	1,825	12,171	22,255	20,511	6,603	19,345	10,187	10,941	6,192	2,612	1,914	1,559



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca												
Streamflow (cfs), Water Year Oct 1971 to Sep 1972												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	38	32	41	49	72	332	110	89	48	24	14	14
2	34	32	48	48	62	392	113	89	48	21	16	13
3	33	31	60	45	59	502	111	91	41	22	15	12
4	32	31	47	42	89	370	108	91	42	25	12	12
5	30	32	49	41	119	300	199	91	38	22	14	12
6	29	32	64	40	139	255	181	92	40	19	16	13
7	27	31	48	40	108	223	150	97	40	20	13	18
8	27	31	45	39	83	202	139	99	39	15	6.9	14
9	28	32	42	39	72	194	125	91	40	17	12	13
10	28	32	41	38	63	217	121	84	56	14	12	13
11	28	39	40	37	59	202	184	80	42	21	13	15
12	27	44	55	37	55	197	454	72	35	20	13	20
13	27	51	56	37	55	197	230	73	36	20	14	18
14	26	41	47	37	53	186	171	76	32	20	14	15
15	27	39	42	37	51	171	157	74	30	19	13	14
16	28	37	39	37	50	171	148	74	32	20	15	14
17	27	36	38	37	49	169	139	76	31	17	17	15
18	28	35	39	38	48	167	127	74	32	19	15	16
19	30	35	38	42	48	153	121	69	30	17	16	17
20	32	36	37	45	52	139	113	91	26	20	13	18
21	32	36	40	142	59	133	108	86	29	21	12	19
22	31	35	762	139	94	215	104	72	26	20	11	19
23	33	35	137	225	204	184	101	69	27	20	11	18
24	34	35	179	133	372	171	115	66	30	15	14	19
25	31	36	135	111	267	217	104	62	28	12	13	20
26	33	43	125	111	526	159	99	58	24	15	13	37
27	33	58	87	121	241	144	95	52	23	16	13	95
28	32	59	65	99	818	135	95	51	29	16	12	48
29	32	65	63	84	688	125	92	52	27	17	12	31
30	32	47	60	75		119	91	42	27	17	14	28
31	33		52	75		113		42		14	13	
Total	942	1,158	2,621	2,120	4,655	6,454	4,205	2,325	1,028	575	412	630
Mean	30	39	85	68	161	208	140	75	34	19	13	21
Max	38	65	762	225	818	502	454	99	56	25	17	95
Min	26	31	37	37	48	113	91	42	23	12	6.9	12
AC-FT	1,868	2,297	5,199	4,205	9,233	12,801	8,340	4,612	2,039	1,140	817	1,250



Kilarc-Cow Creek Hydroelectric Project, FERC No. 606

Appendix E: USGS Streamflow Data

11372200 S Cow C Nr Millville Ca
 Streamflow (cfs), Water Year Oct 1972 to Sep 1973

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	27											
2	29											
3	27											
4												
5												
6												
7												
8												
9												
10												
11												
12												
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20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Total	83											
Mean	28											
Max	29											
Min	27											
AC-FT	165											

