

**APPENDICES A AND B
OF THE REPORT TO
THE INTERNATIONAL JOINT COMMISSION
ON
THE DIVISION OF THE WATERS OF
THE ST. MARY AND MILK RIVERS
FOR THE YEAR 2021**

Submitted By

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The data contained in these appendices are the culmination of a concerted effort by personnel of Environment and Climate Change Canada, National Hydrological Services/ Water Survey of Canada and the United States Geological Survey, Wyoming-Montana Water Science Center.

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**Table 6: Natural flow of St. Mary River at International Boundary
(Quantities in Cubic Decametres)**

NATURAL FLOW AND WATER DIVISION OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
MARCH 2021
QUANTITIES IN CUBIC DECAMETERS

Day	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER AT INTERNATIONAL BOUNDARY	NATURAL FLOW AT INTERNATIONAL BOUNDARY	SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
						UNITED STATES	CANADA	
1	20	0	20	210	230	115	115	95
2	39	0	39	210	249	125	125	86
3	0	0	0	217	217	109	109	109
4	0	0	0	229	229	114	115	114
5	103	0	103	235	338	169	169	66
6	42	0	42	238	280	140	140	98
7	61	0	61	237	298	149	149	88
8	61	0	61	230	291	146	145	85
9	81	0	81	229	310	155	155	74
10	142	0	142	259	401	201	201	59
11	144	0	144	269	413	207	207	63
12	20	0	20	274	294	147	147	127
13	83	0	83	276	359	180	180	97
14	100	0	100	276	376	188	188	88
15	22	0	22	276	298	149	149	127
S. Total	918	0	918	3,665	4,583	2,292	2,292	1,374
Mean	61	0	61	244	306	153	153	92
AC-FT	744	0	744	2,971	3,715	1,858	1,858	1,114
16	-22	0	-22	325	303	151	152	173
17	-81	0	-81	394	313	157	157	238
18	-328	0	-328	433	105	53	52	381
19	-264	0	-264	502	238	119	119	383
20	-245	0	-245	524	279	140	140	385
21	-122	0	-122	536	414	207	207	329
22	-242	29	-213	509	296	148	148	361
23	-203	157	-46	470	424	212	212	258
24	-142	28	-114	573	459	229	230	343
25	-223	13	-210	570	360	180	180	390
26	-100	12	-88	570	482	241	241	329
27	-103	23	-80	555	475	238	237	318
28	-100	153	53	465	518	259	259	206
29	-81	202	121	460	581	291	290	170
30	0	362	362	338	700	350	350	-12
31	-323	531	208	217	425	213	212	5
S. Total	-2,579	1,510	-1,069	7,441	6,372	3,187	3,185	4,256
Mean	-161	94	-67	465	398	199	199	266
AC-FT	-2,091	1,224	-867	6,032	5,166	2,584	2,582	3,450
Total	-1,661	1,510	-151	11,106	10,955	5,478	5,476	5,630
Mean	-54	49	-5	358	353	177	177	182
AC-FT	-1,347	1,224	-122	9,004	8,881	4,441	4,440	4,564

NATURAL FLOW AND WATER DIVISION OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
APRIL 2021

QUANTITIES IN CUBIC DECAMETERS

Day	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER AT INTERNATIONAL BOUNDARY	NATURAL FLOW AT INTERNATIONAL BOUNDARY	SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
						UNITED STATES	CANADA	
1	-421	558	137	306	443	111	332	-26
2	-582	741	159	254	413	103	310	-56
3	-937	812	-125	228	103	26	77	151
4	-1,304	1,080	-224	217	-7	-2	-5	222
5	-1,196	1,348	152	276	428	107	321	-45
6	-1,282	1,434	152	506	658	164	494	12
7	-1,309	1,443	134	580	714	178	536	44
8	-1,223	1,452	229	646	875	219	656	-10
9	-1,248	1,452	204	646	850	212	638	8
10	-1,309	1,452	143	700	843	211	632	68
11	-1,277	1,452	175	729	904	226	678	51
12	-1,355	1,452	97	732	829	207	622	110
13	-1,319	1,452	133	734	867	217	650	84
14	-1,409	1,443	34	739	773	193	580	159
15	-1,421	1,460	39	705	744	186	558	147
S. Total	-17,592	19,031	1,439	7,998	9,437	2,358	7,079	919
Mean	-1,173	1,269	96	533	629	157	472	61
AC-FT	-14,262	15,429	1,167	6,484	7,651	1,912	5,739	745
16	-1,434	1,452	18	700	718	180	538	162
17	-1,424	1,452	28	697	725	181	544	153
18	-1,363	1,443	80	670	750	188	562	108
19	-1,267	1,452	185	724	909	227	682	42
20	-1,360	1,443	83	712	795	199	596	116
21	-1,255	1,443	188	712	900	225	675	37
22	-1,238	1,443	205	722	927	232	695	27
23	-1,209	1,452	243	793	1,036	259	777	16
24	-1,314	1,452	138	785	923	231	692	93
25	-1,165	1,452	287	780	1,067	267	800	-20
26	-1,226	1,452	226	802	1,028	257	771	31
27	-1,226	1,452	226	832	1,058	264	794	38
28	-1,169	1,443	274	834	1,108	277	831	3
29	-1,140	1,443	303	815	1,118	280	838	-23
30	-949	1,452	503	844	1,347	337	1,010	-166
S. Total	-18,739	21,726	2,987	11,422	14,409	3,604	10,805	617
Mean	-1,249	1,448	199	762	961	240	720	41
AC-FT	-15,192	17,613	2,422	9,260	11,681	2,922	8,760	500
Total	-36,331	40,757	4,426	19,420	23,846	5,962	17,884	1,536
Mean	-1,211	1,359	148	647	795	199	596	51
AC-FT	-29,454	33,042	3,588	15,744	19,332	4,833	14,499	1,245

NATURAL FLOW AND WATER DIVISION OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
MAY 2021

QUANTITIES IN CUBIC DECAMETERS

Day	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER AT INTERNATIONAL BOUNDARY	NATURAL FLOW AT INTERNATIONAL BOUNDARY	SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
						UNITED STATES	CANADA	
1	-680	1,460	780	1,187	1,967	576	1,391	-204
2	-247	1,486	1,239	1,649	2,888	1,036	1,852	-203
3	-193	1,495	1,302	2,055	3,357	1,271	2,086	-31
4	-286	1,495	1,209	2,258	3,467	1,326	2,141	117
5	-506	1,469	963	2,346	3,309	1,247	2,062	284
6	-489	1,452	963	2,442	3,405	1,295	2,110	332
7	-541	1,426	885	2,618	3,503	1,344	2,159	459
8	-362	1,434	1,072	2,789	3,861	1,523	2,338	451
9	-404	1,434	1,030	2,887	3,917	1,551	2,366	521
10	-465	1,434	969	2,887	3,856	1,520	2,336	551
11	-477	1,426	949	2,593	3,542	1,363	2,179	414
12	-462	1,408	946	2,317	3,263	1,224	2,039	278
13	-367	1,400	1,033	1,992	3,025	1,105	1,920	72
14	-51	1,417	1,366	1,779	3,145	1,165	1,980	-201
15	169	1,408	1,577	1,771	3,348	1,266	2,082	-311
S. Total	-5,361	21,644	16,283	33,570	49,853	18,812	31,041	2,529
Mean	-357	1,443	1,086	2,238	3,324	1,254	2,069	169
AC-FT	-4,346	17,547	13,201	27,215	40,416	15,251	25,165	2,050
16	394	1,408	1,802	1,916	3,718	1,451	2,267	-351
17	570	1,417	1,987	2,217	4,204	1,694	2,510	-293
18	891	1,434	2,325	2,936	5,261	2,223	3,038	-102
19	1,270	1,426	2,696	3,474	6,170	2,677	3,493	-19
20	1,064	1,443	2,507	3,792	6,299	2,742	3,557	235
21	661	1,417	2,078	3,670	5,748	2,466	3,282	388
22	431	1,408	1,839	3,254	5,093	2,139	2,954	300
23	445	1,400	1,845	2,740	4,585	1,885	2,700	40
24	531	1,382	1,913	2,324	4,237	1,711	2,526	-202
25	492	1,365	1,857	2,248	4,105	1,645	2,460	-212
26	521	1,365	1,886	2,124	4,010	1,597	2,413	-289
27	553	1,400	1,953	2,219	4,172	1,678	2,494	-275
28	585	1,426	2,011	2,887	4,898	2,041	2,857	30
29	590	1,426	2,016	3,572	5,588	2,386	3,202	370
30	115	1,434	1,549	3,890	5,439	2,312	3,127	763
31	-100	1,443	1,343	4,037	5,380	2,282	3,098	939
S. Total	9,013	22,594	31,607	47,300	78,907	32,929	45,978	1,322
Mean	563	1,412	1,975	2,956	4,932	2,058	2,874	83
AC-FT	7,307	18,317	25,624	38,346	63,970	26,696	37,275	1,072
Total	3,652	44,238	47,890	80,870	128,760	51,741	77,019	3,851
Mean	118	1,427	1,545	2,609	4,154	1,669	2,485	124
AC-FT	2,961	35,864	38,825	65,562	104,386	41,947	62,440	3,122

NATURAL FLOW AND WATER DIVISION OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
JUNE 2021

QUANTITIES IN CUBIC DECAMETERS

Day	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER AT INTERNATIONAL BOUNDARY	NATURAL FLOW AT INTERNATIONAL BOUNDARY	SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
						UNITED STATES	CANADA	
1	15	1,443	1,458	4,233	5,691	2,438	3,253	980
2	404	1,443	1,847	4,355	6,202	2,693	3,509	846
3	1,262	1,452	2,714	4,722	7,436	3,310	4,126	596
4	2,067	1,443	3,510	5,358	8,868	4,026	4,842	516
5	2,689	1,426	4,115	6,092	10,207	4,696	5,511	581
6	2,623	1,426	4,049	6,435	10,484	4,834	5,650	785
7	1,727	1,417	3,144	6,043	9,187	4,186	5,001	1,042
8	1,329	1,400	2,729	5,187	7,916	3,550	4,366	821
9	1,013	1,382	2,395	4,428	6,823	3,004	3,819	609
10	1,028	1,391	2,419	3,792	6,211	2,698	3,513	279
11	1,006	1,382	2,388	3,352	5,740	2,462	3,278	74
12	1,015	1,417	2,432	2,936	5,368	2,276	3,092	-156
13	903	1,408	2,311	2,667	4,978	2,081	2,897	-230
14	1,020	1,400	2,420	2,618	5,038	2,111	2,927	-309
15	1,341	1,417	2,758	2,936	5,694	2,439	3,255	-319
S. Total	19,442	21,247	40,689	65,154	105,843	46,804	59,039	6,115
Mean	1,296	1,417	2,713	4,344	7,056	3,120	3,936	408
AC-FT	15,762	17,225	32,987	52,821	85,807	37,944	47,863	4,957
16	1,688	1,443	3,131	3,474	6,605	2,895	3,710	-236
17	1,639	1,460	3,099	3,768	6,867	3,026	3,841	-73
18	1,150	1,460	2,610	3,866	6,476	2,830	3,646	220
19	913	1,460	2,373	3,743	6,116	2,650	3,466	277
20	783	1,477	2,260	3,866	6,126	2,655	3,471	395
21	962	1,452	2,414	3,743	6,157	2,671	3,486	257
22	754	1,426	2,180	3,597	5,777	2,481	3,296	301
23	817	1,426	2,243	3,499	5,742	2,463	3,279	220
24	861	1,434	2,295	3,499	5,794	2,489	3,305	194
25	827	1,434	2,261	3,499	5,760	2,472	3,288	211
26	793	1,426	2,219	3,303	5,522	2,353	3,169	134
27	815	1,417	2,232	3,107	5,339	2,262	3,077	30
28	842	1,408	2,250	3,009	5,259	2,222	3,037	-28
29	866	1,408	2,274	2,887	5,161	2,173	2,988	-101
30	871	1,434	2,305	2,789	5,094	2,139	2,955	-166
S. Total	14,581	21,565	36,146	51,649	87,795	37,781	50,014	1,635
Mean	972	1,438	2,410	3,443	5,853	2,519	3,334	109
AC-FT	11,821	17,483	29,304	41,872	71,176	30,629	40,547	1,326
Total	34,023	42,812	76,835	116,803	193,638	84,585	109,053	7,750
Mean	1,134	1,427	2,561	3,893	6,455	2,820	3,635	258
AC-FT	27,583	34,708	62,291	94,693	156,983	68,573	88,410	6,283

NATURAL FLOW AND WATER DIVISION OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
JULY 2021
QUANTITIES IN CUBIC DECAMETERS

Day	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER AT INTERNATIONAL BOUNDARY	NATURAL FLOW AT INTERNATIONAL BOUNDARY	SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
						UNITED STATES	CANADA	
1	915	1,434	2,349	2,740	5,089	2,137	2,952	-212
2	778	1,434	2,212	2,740	4,952	2,068	2,884	-144
3	369	1,434	1,803	2,789	4,592	1,888	2,704	85
4	431	1,434	1,865	2,740	4,605	1,895	2,710	30
5	289	1,434	1,723	2,593	4,316	1,750	2,566	27
6	166	1,426	1,592	2,390	3,982	1,583	2,399	-9
7	144	1,417	1,561	2,226	3,787	1,486	2,301	-75
8	103	1,408	1,511	2,107	3,618	1,401	2,217	-110
9	-103	1,400	1,297	1,987	3,284	1,234	2,050	-63
10	-125	1,400	1,275	1,896	3,171	1,178	1,993	-97
11	-247	1,391	1,144	1,757	2,901	1,043	1,858	-101
12	-308	1,391	1,083	1,651	2,734	959	1,775	-124
13	-433	1,408	975	1,637	2,612	898	1,714	-77
14	-758	1,417	659	1,742	2,401	793	1,608	134
15	-917	1,408	491	1,752	2,243	714	1,529	223
S. Total	304	21,236	21,540	32,747	54,287	21,027	33,260	-513
Mean	20	1,416	1,436	2,183	3,619	1,402	2,217	-34
AC-FT	246	17,216	17,463	26,548	44,011	17,047	26,964	-416
16	-952	1,400	448	1,708	2,156	670	1,486	222
17	-988	1,400	412	1,649	2,061	623	1,438	211
18	-1,020	1,400	380	1,566	1,946	565	1,381	185
19	-974	1,391	417	1,507	1,924	554	1,370	137
20	-930	1,400	470	1,395	1,865	525	1,340	55
21	-962	1,426	464	1,284	1,748	466	1,282	2
22	-878	1,426	548	1,209	1,757	471	1,286	-77
23	-871	1,417	546	1,059	1,605	401	1,204	-145
24	-925	1,408	483	962	1,445	361	1,084	-122
25	-937	1,400	463	876	1,339	335	1,004	-128
26	-798	1,408	610	800	1,410	352	1,058	-258
27	-981	1,426	445	751	1,196	299	897	-146
28	-900	1,417	517	780	1,297	324	973	-193
29	-1,003	1,417	414	805	1,219	305	914	-109
30	-1,106	1,426	320	851	1,171	293	878	-27
31	-1,187	1,426	239	876	1,115	279	836	40
S. Total	-15,412	22,588	7,176	18,078	25,254	6,823	18,431	-353
Mean	-963	1,412	449	1,130	1,578	426	1,152	-22
AC-FT	-12,495	18,312	5,818	14,656	20,474	5,531	14,942	-286
Total	-15,108	43,824	28,716	50,825	79,541	27,850	51,691	-866
Mean	-487	1,414	926	1,640	2,566	898	1,668	-28
AC-FT	-12,248	35,528	23,280	41,204	64,484	22,578	41,906	-702

NATURAL FLOW AND WATER DIVISION OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
AUGUST 2021
QUANTITIES IN CUBIC DECAMETERS

Day	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER AT INTERNATIONAL BOUNDARY	NATURAL FLOW AT INTERNATIONAL BOUNDARY	SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
						UNITED STATES	CANADA	
1	-1,135	1,426	291	873	1,164	291	873	0
2	-1,123	1,426	303	873	1,176	294	882	-9
3	-1,125	1,426	301	876	1,177	294	883	-7
4	-1,167	1,434	267	915	1,182	296	886	29
5	-1,284	1,434	150	966	1,116	279	837	129
6	-1,245	1,434	189	979	1,168	292	876	103
7	-1,306	1,426	120	939	1,059	265	794	145
8	-1,385	1,443	58	1,101	1,159	290	869	232
9	-851	1,443	592	1,174	1,766	475	1,291	-117
10	-976	1,443	467	1,165	1,632	408	1,224	-59
11	-1,214	1,434	220	1,091	1,311	328	983	108
12	-1,211	1,426	215	1,052	1,267	317	950	102
13	-1,275	1,426	151	1,032	1,183	296	887	145
14	-1,331	1,426	95	1,037	1,132	283	849	188
15	-1,358	1,417	59	1,003	1,062	266	796	207
S. Total	-17,986	21,464	3,478	15,076	18,554	4,674	13,880	1,196
Mean	-1,199	1,431	232	1,005	1,237	312	925	80
AC-FT	-14,581	17,401	2,820	12,222	15,042	3,789	11,253	970
16	-1,385	1,408	23	957	980	245	735	222
17	-1,309	1,417	108	947	1,055	264	791	156
18	-1,324	1,400	76	1,013	1,089	272	817	196
19	-1,206	1,339	133	974	1,107	277	830	144
20	-1,209	1,166	-43	1,074	1,031	258	773	301
21	-1,015	1,158	143	1,013	1,156	289	867	146
22	-1,047	1,149	102	974	1,076	269	807	167
23	-1,059	1,158	99	927	1,026	256	770	157
24	-930	1,175	245	812	1,057	264	793	19
25	-881	1,166	285	768	1,053	263	790	-22
26	-883	1,166	283	717	1,000	250	750	-33
27	-812	1,158	346	661	1,007	252	755	-94
28	-925	1,158	233	626	859	215	644	-18
29	-805	1,158	353	587	940	235	705	-118
30	-866	1,149	283	541	824	206	618	-77
31	-783	1,149	366	516	882	220	662	-146
S. Total	-16,439	19,474	3,035	13,107	16,142	4,035	12,107	1,000
Mean	-1,027	1,217	190	819	1,009	252	757	63
AC-FT	-13,327	15,788	2,460	10,626	13,086	3,271	9,815	811
Total	-34,425	40,938	6,513	28,183	34,696	8,709	25,987	2,196
Mean	-1,111	1,321	210	909	1,119	281	838	71
AC-FT	-27,909	33,189	5,280	22,848	28,128	7,060	21,068	1,780

NATURAL FLOW AND WATER DIVISION OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
 SEPTEMBER 2021
 QUANTITIES IN CUBIC DECAMETERS

Day	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER AT INTERNATIONAL BOUNDARY	NATURAL FLOW AT INTERNATIONAL BOUNDARY	SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
						UNITED STATES	CANADA	
1	-942	1,140	198	575	773	193	580	-5
2	-1,030	1,140	110	560	670	168	502	58
3	-1,006	1,166	160	526	686	172	514	12
4	-1,069	1,158	89	580	669	167	502	78
5	-1,160	1,149	-11	573	562	140	422	151
6	-1,194	1,140	-54	560	506	126	380	180
7	-1,072	1,123	51	543	594	148	446	97
8	-1,099	1,080	-19	550	531	133	398	152
9	-986	864	-122	658	536	134	402	256
10	-861	705	-156	668	512	128	384	284
11	-514	687	173	643	816	204	612	31
12	-467	655	188	648	836	209	627	21
13	-528	600	72	707	779	195	584	123
14	-362	347	-15	861	846	212	634	227
15	56	166	222	883	1,105	276	829	54
S. Total	-12,234	13,120	886	9,535	10,421	2,605	7,816	1,719
Mean	-816	875	59	636	695	174	521	115
AC-FT	-9,918	10,636	718	7,730	8,448	2,112	6,336	1,394
16	-169	94	-75	839	764	191	573	266
17	76	12	88	817	905	226	679	138
18	66	0	66	744	810	202	608	136
19	323	0	323	712	1,035	259	776	-64
20	20	0	20	685	705	176	529	156
21	220	0	220	692	912	228	684	8
22	135	0	135	692	827	207	620	72
23	250	0	250	673	923	231	692	-19
24	78	0	78	661	739	185	554	107
25	254	0	254	661	915	229	686	-25
26	78	0	78	651	729	182	547	104
27	306	0	306	636	942	236	706	-70
28	-20	0	-20	621	601	150	451	170
29	218	0	218	621	839	210	629	-8
30	117	0	117	607	724	181	543	64
S. Total	1,952	106	2,058	10,312	12,370	3,093	9,277	1,035
Mean	130	7	137	688	825	206	619	69
AC-FT	1,582	86	1,668	8,360	10,028	2,508	7,521	839
Total	-10,282	13,226	2,944	19,847	22,791	5,698	17,093	2,754
Mean	-343	441	98	662	760	190	570	92
AC-FT	-8,336	10,722	2,387	16,090	18,477	4,619	13,857	2,233

NATURAL FLOW AND WATER DIVISION OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
OCTOBER 2021
QUANTITIES IN CUBIC DECAMETERS

Day	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER AT INTERNATIONAL BOUNDARY	NATURAL FLOW AT INTERNATIONAL BOUNDARY	SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
						UNITED STATES	CANADA	
1	42	0	42	577	619	155	464	113
2	49	0	49	528	577	144	433	95
3	252	0	252	499	751	188	563	-64
4	-22	0	-22	462	440	110	330	132
5	122	0	122	438	560	140	420	18
6	181	0	181	413	594	148	446	-33
7	20	0	20	391	411	103	308	83
8	122	0	122	372	494	124	370	2
9	113	0	113	369	482	120	362	7
10	235	0	235	372	607	152	455	-83
11	-42	0	-42	355	313	78	235	120
12	103	0	103	335	438	110	328	7
13	122	0	122	323	445	111	334	-11
14	103	0	103	316	419	105	314	2
15	115	0	115	306	421	105	316	-10
S. Total	1,515	0	1,515	6,056	7,571	1,893	5,678	378
Mean	101	0	101	404	505	126	379	25
AC-FT	1,228	0	1,228	4,910	6,138	1,535	4,603	306
16	247	0	247	308	555	139	416	-108
17	-125	0	-125	294	169	42	127	167
18	73	0	73	274	347	87	260	14
19	51	0	51	264	315	79	236	28
20	93	0	93	257	350	88	262	-5
21	93	0	93	254	347	87	260	-6
22	54	0	54	250	304	76	228	22
23	125	0	125	257	382	96	286	-29
24	105	0	105	252	357	89	268	-16
25	61	0	61	247	308	77	231	16
26	252	0	252	252	504	126	378	-126
27	0	0	0	254	254	64	190	64
28	213	0	213	250	463	116	347	-97
29	296	0	296	384	680	170	510	-126
30	2,165	0	2,165	1,091	3,256	1,220	2,036	-945
31	2,544	0	2,544	2,048	4,592	1,888	2,704	-656
S. Total	6,247	0	6,247	6,936	13,183	4,444	8,739	-1,803
Mean	390	0	390	434	824	278	546	-113
AC-FT	5,064	0	5,064	5,623	10,688	3,603	7,085	-1,462
Total	7,762	0	7,762	12,992	20,754	6,337	14,417	-1,425
Mean	250	0	250	419	670	204	465	-46
AC-FT	6,293	0	6,293	10,533	16,825	5,137	11,688	-1,155

NATURAL FLOW OF ST. MARY RIVER

APPROVED BY:

FOR CANADA

FOR THE UNITED STATES

**Table 7: Historical Summary of Computed Natural Flow
St. Mary River at International Boundary
(In Cubic Decametres)**

Period	Computed Natural Flow		Share April to October	
	Non - Irrigation Season (Nov to Mar)	Irrigation Season (Apr to Oct)	United States	Canada
	1902 - 1903	71 500	1 033 000	434 300
1903 - 1904	118 900	684 800	270 100	414 700
1904 - 1905	48 260	569 700	212 400	357 300
1905 - 1906	63 640	630 700	236 000	394 700
1906 - 1907	153 100	969 500	402 800	566 700
1907 - 1908	77 020	1 123 000	485 500	637 800
1908 - 1909	80 520	968 900	408 500	560 300
1909 - 1910	108 200	679 700	257 700	422 000
1910 - 1911	120 100	802 800	318 700	484 200
1911 - 1912	72 890	623 900	234 600	389 300
1912 - 1913	85 860	849 600	346 400	503 200
1913 - 1914	72 240	654 100	245 200	409 000
1914 - 1915	103 600	654 100	243 400	410 800
1915 - 1916	135 400	973 300	405 600	567 700
1916 - 1917	72 560	807 400	330 300	477 000
1917 - 1918	112 600	631 300	239 900	391 400
1918 - 1919	61 290	476 500	175 900	300 600
1919 - 1920	75 270	715 400	280 700	434 700
1920 - 1921	88 960	784 700	315 400	469 300
1921 - 1922	79 750	698 000	281 800	416 200
1922 - 1923	58 210	719 400	283 500	435 900
1923 - 1924	63 410	641 600	250 900	390 700
1924 - 1925	96 980	889 000	364 500	524 500
1925 - 1926	60 690	458 700	152 700	306 000
1926 - 1927	92 310	1 154 000	495 100	658 700
1927 - 1928	138 300	905 900	373 400	532 400
1928 - 1929	81 460	527 300	200 300	327 000
1929 - 1930	64 600	660 600	258 100	402 500
1930 - 1931	47 930	461 400	165 500	295 900
1931 - 1932	103 300	636 300	249 700	386 500
1932 - 1933	83 250	793 400	322 000	471 500
1933 - 1934	207 600	775 900	318 000	458 000
1934 - 1935	168 500	576 700	221 500	355 300
1935 - 1936	37 010	511 700	194 400	317 300
1936 - 1937	41 960	617 600	246 800	370 800
1937 - 1938	80 500	705 500	284 000	421 600
1938 - 1939	73 220	497 100	184 700	312 400
1939 - 1940	46 650	449 100	157 700	291 400

Continued ...

**Table 7 (continued): Historical Summary of Computed Natural Flow
St. Mary River at International Boundary
(Quantities In Cubic Decametres)**

Period	Computed Natural Flow		Share April to October	
	Non - Irrigation Season (Nov to Mar)	Irrigation Season (Apr to Oct)	United States	Canada
	1940 - 1941	40 510	413 000	135 500
1941 - 1942	116 300	660 700	255 000	405 700
1942 - 1943	78 160	833 600	343 100	490 500
1943 - 1944	44 830	392 400	131 800	260 600
1944 - 1945	57 320	623 800	246 800	377 000
1945 - 1946	94 750	660 600	255 200	405 400
1946 - 1947	107 100	770 900	303 300	467 600
1947 - 1948	88 050	894 300	378 600	515 700
1948 - 1949	43 690	563 300	210 000	353 200
1949 - 1950	118 600	945 800	395 700	550 200
1950 - 1951	174 400	1 092 000	459 300	632 600
1951 - 1952	102 200	637 800	246 800	391 000
1952 - 1953	77 150	970 700	414 800	556 000
1953 - 1954	77 240	981 700	410 300	571 400
1954 - 1955	97 770	727 400	293 100	434 300
1955 - 1956	109 800	804 700	326 700	478 000
1956 - 1957	73 220	672 600	272 900	399 700
1957 - 1958	72 180	654 600	254 200	400 400
1958 - 1959	115 300	881 600	355 200	526 400
1959 - 1960	117 700	595 700	227 300	368 400
1960 - 1961	72 160	699 100	276 000	423 100
1961 - 1962	74 860	611 000	230 000	381 000
1962 - 1963	122 700	629 900	248 000	381 800
1963 - 1964	54 720	942 300	396 500	545 800
1964 - 1965	83 860	828 000	333 900	494 100
1965 - 1966	87 680	712 100	279 600	432 500
1966 - 1967	81 470	840 500	354 000	486 500
1967 - 1968	116 600	720 900	281 200	439 700
1968 - 1969	97 360	669 700	262 000	407 700
1969 - 1970	66 380	738 700	305 600	433 100
1970 - 1971	83 120	850 900	351 400	499 500
1971 - 1972	106 600	928 700	382 500	546 100
1972 - 1973	67 390	501 800	189 000	312 800
1973 - 1974	130 500	849 900	353 700	496 200
1974 - 1975	50 050	1 024 000	437 100	586 600
1975 - 1976	148 600	716 600	282 600	434 000
1976 - 1977	46 900	406 500	131 300	275 200
1977 - 1978	72 760	766 600	303 500	463 200
1978 - 1979	75 210	611 700	240 200	371 500
1979 - 1980	45 120	680 000	264 900	415 100

Continued ...

**Table 7 (continued): Historical Summary of Computed Natural Flow
St. Mary River at International Boundary
(Quantities In Cubic Decametres)**

Period	Computed Natural Flow		Share April to October	
	Non -		United States	Canada
	Irrigation Season (Nov to Mar)	Irrigation Season (Apr to Oct)		
1980 - 1981	134 200	674 700	270 700	404 000
1981 - 1982	57 200	685 900	274 300	411 600
1982 - 1983	60 010	517 900	193 800	324 100
1983 - 1984	83 050	534 200	195 800	338 400
1984 - 1985	50 470	670 800	254 800	416 000
1985 - 1986	165 000	589 500	216 000	373 500
1986 - 1987	86 590	600 800	228 200	372 600
1987 - 1988	39 370	496 000	182 200	313 800
1988 - 1989	80 730	775 300	308 400	466 900
1989 - 1990	196 800	738 300	289 800	448 500
1990 - 1991	138 000	905 000	381 000	524 000
1991 - 1992	59 160	478 300	164 400	313 900
1992 - 1993	75 110	629 700	235 100	394 600
1993 - 1994	79 800	534 500	202 300	332 200
1994 - 1995	92 460	877 700	365 200	512 600
1995 - 1996	234 500	781 800	314 300	467 500
1996 - 1997	94 070	917 200	378 000	539 100
1997 - 1998	62 430	631 900	252 300	379 500
1998 - 1999	60 620	698 100	274 500	423 600
1999 - 2000	157 900	548 300	203 700	344 500
2000 - 2001	32 490	417 900	156 300	261 700
2001 - 2002	69 030	981 100	419 600	561 500
2002 - 2003	69 690	534 000	201 500	332 500
2003 - 2004	61 950	639 400	239 500	399 900
2004 - 2005	119 800	591 500	222 900	368 700
2005 - 2006	106 200	657 300	263 100	394 200
2006 - 2007	233 900	501 700	183 900	317 800
2007 - 2008	69 840	796 000	331 400	464 600
2008 - 2009	56 750	547 900	207 600	340 300
2009 - 2010	74 750	724 700	286 300	438 400
2010 - 2011	105 800	936 600	394 800	541 800
2011 - 2012	76 090	783 300	320 700	462 600
2012 - 2013	154 200	698 400	273 800	424 600
2013 - 2014	68 970	884 700	367 700	517 000
2014 - 2015	201 500	460 800	165 600	295 100
2015 - 2016	119 800	624 700	232 700	392 000
2016 - 2017	169 700	623 000	246 500	376 500
2017 - 2018	120 700	708 100	290 900	417 200
2018 - 2019	73 300	633 500	244 300	389 100
2019 - 2020	86 040	753 900	312 100	441 800
2020 - 2021	121 600	504 000	190 900	313 100
AVERAGE 1903 - 2020	92 500	708 500	281 500	427 000

Table 8: Summary of Daily Net Change, Natural Flow, Evaporative and Net Consumptive Uses of Milk River at Eastern Crossing of International Boundary March, 2021

Date at Eastern Crossing	Natural Flow at Western Crossing	East to West Net Change	Incremental Evaporative Trans. Loss	Total Consumptive Use		Natural Flow at Eastern Crossing	Share		Excess / Deficit to U.S.	Cumulative Excess / Deficit to U.S.
				U.S.	Canada		U.S.	Canada		
				C9,T2	C10,T2		C8,T4	C3,T3		
1	2	3	4	5	6	7	8	9	10	11
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Mar 01	0.0	-	0.9	0.0	0.4	62.1	31.0	31.1	30.7	30.7
Mar 02	0.0	-	1.2	0.0	0.4	70.9	35.4	35.5	35.1	65.8
Mar 03	0.0	-	0.7	0.0	0.4	81.1	40.6	40.5	40.1	105.9
Mar 04	0.0	-	0.5	0.0	0.4	94.1	47.0	47.1	46.7	152.6
Mar 05	0.0	-	0.6	0.0	0.4	102.4	51.2	51.2	50.8	203.4
Mar 06	62.2	-	1.3	0.0	0.4	165.3	82.6	82.7	82.3	285.7
Mar 07	62.7	-	1.8	0.0	0.4	224.8	112.4	112.4	112.0	397.7
Mar 08	87.4	-	2.2	0.0	0.4	291.5	145.8	145.7	145.3	543.0
Mar 09	127.4	-	0.8	0.0	0.4	313.6	156.8	156.8	156.4	699.4
Mar 10	140.0	-	0.9	0.0	0.4	340.5	170.2	170.3	169.9	869.3
Mar 11	145.4	-	1.3	0.0	0.4	399.2	199.6	199.6	199.2	1068.5
Mar 12	146.6	-	1.8	0.0	0.4	455.5	227.8	227.7	227.3	1295.8
Mar 13	148.0	-	9.6	0.0	0.4	641.4	320.7	320.7	320.3	1616.1
Mar 14	149.2	-	14.6	0.0	0.4	878.7	439.4	439.3	438.9	2055.0
Mar 15	150.1	-	9.5	0.0	0.4	646.3	323.2	323.1	322.7	2377.7
15day Tot	1219.0	0.0	47.7	0.0	6.0	4767.4	2383.7	2383.7	2377.7	2377.7
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Mar 16	153.0	-	7.4	0.0	0.4	572.9	286.4	286.5	286.1	286.1
Mar 17	158.4	-	8.1	0.0	0.4	546.0	273.0	273.0	272.6	558.7
Mar 18	163.0	-	8.4	0.0	0.4	526.4	263.2	263.2	262.8	821.5
Mar 19	176.7	-	7.9	0.0	0.4	572.9	286.4	286.5	286.1	1107.6
Mar 20	184.2	-	11.9	0.0	0.4	670.8	335.4	335.4	335.0	1442.6
Mar 21	190.2	-	8.5	0.0	0.4	643.8	321.9	321.9	321.5	1764.1
Mar 22	208.9	-	10.1	0.0	0.4	636.5	318.2	318.3	317.9	2082.0
Mar 23	211.5	-	5.5	0.0	0.4	641.4	320.7	320.7	320.3	2402.3
Mar 24	236.6	-	6.4	0.0	0.4	612.0	306.0	306.0	305.6	2707.9
Mar 25	266.0	-	2.0	0.0	0.4	531.3	265.6	265.7	265.3	2973.2
Mar 26	243.9	-	3.0	0.0	0.4	492.2	246.1	246.1	245.7	3218.9
Mar 27	209.2	-	5.5	0.0	0.4	413.9	207.0	206.9	206.5	3425.4
Mar 28	191.3	-	6.7	0.0	0.4	374.7	187.4	187.3	186.9	3612.3
Mar 29	179.2	-	2.0	0.0	0.4	345.4	172.7	172.7	172.3	3784.6
Mar 30	144.4	145.9	3.6	0.0	0.4	294.3	147.2	147.1	146.7	3931.3
Mar 31	145.8	95.4	4.2	0.0	0.4	245.8	122.9	122.9	122.5	4053.8
16day Tot	3062.3	241.3	101.2	0.0	6.4	8120.3	4060.1	4060.2	4053.8	4053.8
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Mar Tots	4281.3	241.3	148.9	0.0	12.4	12887.7	6443.8	6443.9	6431.5	6431.5

All Quantities in cubic decametres.

Five day lag period is applied between west and east to determine natural flow at Eastern Crossing.

Grey areas indicate natural flow equal to the recorded flow at the gauge (11AA031) Milk River at Eastern Crossing plus United States and Canadian consumptive use.

APPROVED BY THE FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

**Table 8 (Continued) Summary of Daily
Net Change, Natural Flow, Evaporative and Net Consumptive Uses of
Milk River at Eastern Crossing of International Boundary
April, 2021**

Date at Eastern Crossing	Natural Flow at Western Crossing	East to West Net Change	Incremental Evaporative Trans. Loss	Total Consumptive Use		Natural Flow at Eastern Crossing	Share		Excess / Deficit to U.S. (9-6)	Cumulative Excess / Deficit to U.S.
				U.S.	Canada		U.S.	Canada		
				C9,T2	C10,T2		C8,T4	C3,T3		
1	2	3	4	5	6	7	8	9	10	11
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Apr 01	158.4	-	8.2	0.0	0.5	406.6	305.0	101.6	101.1	101.1
Apr 02	173.4	-	11.9	0.0	0.5	450.7	338.0	112.7	112.2	213.3
Apr 03	255.7	-	9.6	0.0	0.5	423.8	317.8	106.0	105.5	318.8
Apr 04	217.5	107.9	14.8	0.0	0.5	340.7	255.5	85.2	84.7	403.5
Apr 05	188.4	191.1	20.3	0.0	0.5	400.3	300.2	100.1	99.6	503.1
Apr 06	186.5	247.2	24.5	0.0	0.5	458.7	344.0	114.7	114.2	617.3
Apr 07	251.0	375.8	31.9	0.0	0.5	659.2	494.4	164.8	164.3	781.6
Apr 08	323.0	318.1	29.4	0.0	0.5	671.0	503.2	167.8	167.3	948.9
Apr 09	336.0	663.3	30.7	0.0	0.5	1030.5	772.9	257.6	257.1	1206.0
Apr 10	363.8	634.1	29.5	0.0	0.5	1027.9	770.9	257.0	256.5	1462.5
Apr 11	371.9	288.9	9.7	0.0	0.5	671.0	503.2	167.8	167.3	1629.8
Apr 12	369.6	23.6	26.5	0.0	0.5	420.2	315.2	105.0	104.5	1734.3
Apr 13	319.9	-15.3	20.2	0.0	0.5	325.3	244.0	81.3	80.8	1815.1
Apr 14	292.1	1.2	18.8	0.0	0.5	312.6	234.4	78.2	77.7	1892.8
Apr 15	274.5	-13.0	20.6	0.0	0.5	282.6	212.0	70.6	70.1	1962.9
15day Tot	4081.7	2822.9	306.6	0.0	7.5	7881.1	5910.7	1970.4	1962.9	1962.9
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Apr 16	255.3	-108.9	39.0	1.0	0.7	187.1	140.3	46.8	46.1	46.1
Apr 17	226.0	-64.2	46.0	1.0	0.7	209.5	157.1	52.4	51.7	97.8
Apr 18	207.4	137.3	13.5	1.0	0.7	359.9	269.9	90.0	89.3	187.1
Apr 19	189.7	193.7	28.7	1.0	0.7	413.8	310.4	103.4	102.7	289.8
Apr 20	174.0	124.1	38.1	1.0	0.7	337.9	253.4	84.5	83.8	373.6
Apr 21	163.4	152.0	51.8	1.0	0.7	368.9	276.7	92.2	91.5	465.1
Apr 22	161.5	179.6	21.2	1.0	0.7	364.0	273.0	91.0	90.3	555.4
Apr 23	182.7	248.3	33.4	1.0	0.7	466.1	349.6	116.5	115.8	671.2
Apr 24	205.6	182.4	24.5	1.0	0.7	414.2	310.6	103.6	102.9	774.1
Apr 25	228.1	129.8	15.0	1.0	0.7	374.6	281.0	93.6	92.9	867.0
Apr 26	222.2	110.2	45.1	1.0	0.7	379.2	284.4	94.8	94.1	961.1
Apr 27	236.1	141.1	53.6	1.0	0.7	432.5	324.4	108.1	107.4	1068.5
Apr 28	247.5	141.5	72.4	1.0	0.7	463.1	347.3	115.8	115.1	1183.6
Apr 29	268.8	61.6	46.4	1.0	0.7	378.5	283.9	94.6	93.9	1277.5
Apr 30	278.2	7.6	66.5	1.0	0.7	354.0	265.5	88.5	87.8	1365.3
15day Tot	3246.5	1636.1	595.2	15.0	10.5	5503.3	4127.5	1375.8	1365.3	1365.3
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Apr Tots	7328.2	4459.0	901.8	15.0	18.0	13384.4	10038.2	3346.2	3328.2	3328.2

All Quantities in cubic decametres.

Five day lag period is applied between west and east to determine natural flow at Eastern Crossing.

Grey areas indicate natural flow equal to the recorded flow at the gauge (11AA031) Milk River at Eastern Crossing plus United States and

APPROVED BY THE FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

Table 8 (Continued) Summary of Daily Net Change, Natural Flow, Evaporative and Net Consumptive Uses of Milk River at Eastern Crossing of International Boundary May, 2021

Date at Eastern Crossing	Natural Flow at Western Crossing	East to West Net Change	Incremental Evaporative Trans. Loss	Total Consumptive Use		Natural Flow at Eastern Crossing	Share		Excess / Deficit to U.S. (9-6)	Cumulative Excess / Deficit to U.S.
				U.S.	Canada		U.S.	Canada		
				C9,T2	C10,T2		C8,T4	C3,T3		
1	2	3	4	5	6	7	8	9	10	11
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
May 01	273.4	47.1	56.9	10.6	8.8	396.8	297.6	99.2	90.4	90.4
May 02	280.4	238.5	42.1	10.6	8.8	580.4	435.3	145.1	136.3	226.7
May 03	280.9	295.5	44.3	10.6	8.8	640.1	480.1	160.0	151.2	377.9
May 04	288.7	340.2	39.8	10.6	8.8	688.1	516.1	172.0	163.2	541.1
May 05	298.2	377.4	50.7	10.6	8.8	745.7	559.3	186.4	177.6	718.7
May 06	341.5	397.6	58.0	10.6	8.8	816.5	612.4	204.1	195.3	914.0
May 07	397.0	285.4	16.8	10.6	8.8	718.6	539.0	179.6	170.8	1084.8
May 08	437.6	139.0	17.3	10.6	8.8	613.3	460.0	153.3	144.5	1229.3
May 09	428.5	-63.3	9.9	10.6	8.8	394.5	295.9	98.6	89.8	1319.1
May 10	367.9	-118.5	22.7	10.6	8.8	291.5	218.6	72.9	64.1	1383.2
May 11	309.8	-203.2	31.5	10.6	8.8	157.5	118.1	39.4	30.6	1413.8
May 12	295.1	-321.3	54.4	10.6	8.8	47.6	35.7	11.9	3.1	1416.9
May 13	282.3	-44.8	29.5	10.6	8.8	286.4	214.8	71.6	62.8	1479.7
May 14	318.4	-25.4	53.3	10.6	8.8	365.7	274.3	91.4	82.6	1562.3
May 15	358.8	11.2	53.2	10.6	8.8	442.6	332.0	110.6	101.8	1664.1
15day Tot	4958.5	1355.4	580.4	159.0	132.0	7185.3	5389.2	1796.1	1664.1	1664.1
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
May 16	353.7	54.7	56.2	13.9	16.3	494.8	371.1	123.7	107.4	107.4
May 17	310.8	24.0	68.5	13.9	16.3	433.5	325.1	108.4	92.1	199.5
May 18	270.1	105.0	63.2	13.9	16.3	468.5	351.4	117.1	100.8	300.3
May 19	260.7	173.6	45.4	13.9	16.3	509.9	382.4	127.5	111.2	411.5
May 20	245.1	250.2	7.5	13.9	16.3	533.0	399.8	133.2	116.9	528.4
May 21	225.5	465.3	10.1	13.9	16.3	731.1	548.3	182.8	166.5	694.9
May 22	210.2	543.9	26.4	13.9	16.3	810.7	608.0	202.7	186.4	881.3
May 23	194.7	322.7	9.1	13.9	16.3	556.7	417.5	139.2	122.9	1004.2
May 24	179.3	166.8	35.9	13.9	16.3	412.2	309.2	103.0	86.7	1090.9
May 25	219.2	84.8	41.0	13.9	16.3	375.2	281.4	93.8	77.5	1168.4
May 26	231.2	317.2	32.8	13.9	16.3	611.4	458.6	152.8	136.5	1304.9
May 27	290.8	450.0	57.0	13.9	16.3	828.0	621.0	207.0	190.7	1495.6
May 28	371.5	677.0	96.5	13.9	16.3	1175.2	881.4	293.8	277.5	1773.1
May 29	531.3	291.3	62.3	13.9	16.3	915.1	686.3	228.8	212.5	1985.6
May 30	897.3	-300.1	62.0	13.9	16.3	689.4	517.0	172.4	156.1	2141.7
May 31	1022.0	-374.0	55.9	13.9	16.3	734.1	550.6	183.5	167.2	2308.9
16day Tot	5813.4	3252.4	729.8	222.4	260.8	10278.8	7709.1	2569.7	2308.9	2308.9
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
May Tots	10771.9	4607.8	1310.2	381.4	392.8	17464.1	13098.3	4365.8	3973.0	3973.0

All figures in cubic decametres.

Five day lag period is applied between west and east to determine natural flow at Eastern Crossing.

Grey areas indicate natural flow equal to the recorded flow at the gauge (11AA031) Milk River at Eastern Crossing plus United States and Canadian consumptive use.

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES

Table 8 (Continued) Summary of Daily Net Change, Natural Flow, Evaporative and Net Consumptive Uses of Milk River at Eastern Crossing of International Boundary June, 2021

Date at Eastern Crossing	Natural Flow at Western Crossing	East to West Net Change	Incremental Evaporative Trans. Loss	Total Consumptive Use		Natural Flow at Eastern Crossing	Share		Excess / Deficit to U.S.	Cumulative Excess / Deficit to U.S.
				U.S.	Canada		U.S.	Canada		
				C9,T2	C10,T2		C8,T4	C3,T3		
1	2	3	4	5	6	7	8	9	10	11
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Jun 01	730.9	-201.8	49.2	17.0	20.2	615.5	461.6	153.9	133.7	133.7
Jun 02	565.4	-71.4	59.2	17.0	20.2	590.4	442.8	147.6	127.4	261.1
Jun 03	430.2	92.8	70.3	17.0	20.2	630.5	472.9	157.6	137.4	398.5
Jun 04	362.2	99.9	73.8	17.0	20.2	573.1	429.8	143.3	123.1	521.6
Jun 05	308.5	-4.6	78.1	17.0	20.2	419.2	314.4	104.8	84.6	606.2
Jun 06	264.2	-35.7	49.4	17.0	20.2	315.1	236.3	78.8	58.6	664.8
Jun 07	232.3	-36.0	72.0	17.0	20.2	305.5	229.1	76.4	56.2	721.0
Jun 08	207.9	-28.1	50.1	17.0	20.2	267.1	200.3	66.8	46.6	767.6
Jun 09	188.8	-22.3	26.9	17.0	20.2	230.6	173.0	57.6	37.4	805.0
Jun 10	170.3	0.4	45.4	17.0	20.2	253.3	190.0	63.3	43.1	848.1
Jun 11	156.5	39.2	82.0	17.0	20.2	314.9	236.2	78.7	58.5	906.6
Jun 12	144.6	20.7	53.8	17.0	20.2	256.3	192.2	64.1	43.9	950.5
Jun 13	143.2	21.0	82.9	17.0	20.2	284.3	213.2	71.1	50.9	1001.4
Jun 14	156.6	-125.5	101.7	17.0	20.2	170.0	127.5	42.5	22.3	1023.7
Jun 15	167.4	-148.4	83.5	17.0	20.2	139.7	104.8	34.9	14.7	1038.4
15day Tot	4229.0	-399.8	978.3	255.0	303.0	5365.5	4024.1	1341.4	1038.4	1038.4
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Jun 16	179.4	-205.8	88.5	18.7	24.0	104.8	78.6	26.2	2.2	2.2
Jun 17	188.9	-277.1	74.8	18.7	24.0	29.3	22.0	7.3	-16.7	-14.5
Jun 18	166.9	-372.6	68.6	18.7	24.0	0.0	0.0	0.0	-24.0	-38.5
Jun 19	140.1	-361.0	37.8	18.7	24.0	0.0	0.0	0.0	-24.0	-62.5
Jun 20	125.4	-288.4	59.6	18.7	24.0	0.0	0.0	0.0	-24.0	-86.5
Jun 21	115.6	-289.9	72.0	18.7	24.0	0.0	0.0	0.0	-24.0	-110.5
Jun 22	99.1	-236.8	87.2	18.7	24.0	0.0	0.0	0.0	-24.0	-134.5
Jun 23	89.9	-215.2	68.1	18.7	24.0	0.0	0.0	0.0	-24.0	-158.5
Jun 24	86.4	-197.7	48.1	18.7	24.0	0.0	0.0	0.0	-24.0	-182.5
Jun 25	123.2	-293.7	77.9	18.7	24.0	0.0	0.0	0.0	-24.0	-206.5
Jun 26	115.8	-305.4	83.2	18.7	24.0	0.0	0.0	0.0	-24.0	-230.5
Jun 27	138.3	-325.3	75.7	18.7	24.0	0.0	0.0	0.0	-24.0	-254.5
Jun 28	147.9	-355.2	75.9	18.7	24.0	0.0	0.0	0.0	-24.0	-278.5
Jun 29	122.0	-373.7	80.5	18.7	24.0	0.0	0.0	0.0	-24.0	-302.5
Jun 30	101.9	-358.2	92.3	18.7	24.0	0.0	0.0	0.0	-24.0	-326.5
15day Tot	1940.8	-4456.0	1090.2	280.5	360.0	134.1	100.6	33.5	-326.5	-326.5
Accumulated deficit including carry over from previous division period										326.5
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Jun Tots	6169.8	-4855.8	2068.5	535.5	663.0	5499.6	4124.7	1374.9	711.9	711.9

All Quantities in cubic decametres.

Five day lag period is applied between west and east to determine natural flow at Eastern Crossing.

Grey areas indicate natural flow equal to the recorded flow at the gauge (11AA031) Milk River at Eastern Crossing plus United States and Canadian consumptive use.

APPROVED BY THE FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

Table 8 (Continued) Summary of Daily Net Change, Natural Flow, Evaporative and Net Consumptive Uses of Milk River at Eastern Crossing of International Boundary July, 2021

Date at Eastern Crossing	Natural Flow at Western Crossing	East to West Net Change	Incremental Evaporative Trans. Loss	Total Consumptive Use		Natural Flow at Eastern Crossing	Share		Excess / Deficit to U.S. (9-6)	Cumulative Excess / Deficit to U.S.
				U.S.	Canada		U.S.	Canada		
				C9,T2	C10,T2		C8,T4	C3,T3		
1	2	3	4	5	6	7	8	9	10	11
Accumulated deficit including carry over from previous division period										326.5
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Jul 01	88.9	-352.8	78.8	20.6	58.7	0.0	0.0	0.0	-58.7	-58.7
Jul 02	85.2	-381.5	90.9	20.6	58.7	0.0	0.0	0.0	-58.7	-117.4
Jul 03	80.2	-367.6	92.3	20.6	58.7	0.0	0.0	0.0	-58.7	-176.1
Jul 04	72.3	-339.7	94.9	20.6	58.7	0.0	0.0	0.0	-58.7	-234.8
Jul 05	66.3	-333.7	69.9	20.6	58.7	0.0	0.0	0.0	-58.7	-293.5
Jul 06	59.7	-320.6	64.4	20.6	58.7	0.0	0.0	0.0	-58.7	-352.2
Jul 07	48.8	-327.5	61.5	20.6	58.7	0.0	0.0	0.0	-58.7	-410.9
Jul 08	42.8	-296.2	64.4	20.6	58.7	0.0	0.0	0.0	-58.7	-469.6
Jul 09	37.0	-98.0	79.8	20.6	58.7	98.1	73.6	24.5	-34.2	-503.8
Jul 10	37.9	-259.7	93.8	20.6	0.0	0.0	0.0	0.0	0.0	-503.8
Jul 11	44.1	-335.2	81.6	20.6	0.0	0.0	0.0	0.0	0.0	-503.8
Jul 12	41.8	-340.9	82.3	20.6	0.0	0.0	0.0	0.0	0.0	-503.8
Jul 13	43.0	-284.0	69.6	20.6	0.0	0.0	0.0	0.0	0.0	-503.8
Jul 14	42.0	-205.2	88.2	20.6	0.0	0.0	0.0	0.0	0.0	-503.8
Jul 15	41.4	-174.7	86.3	20.6	0.0	0.0	0.0	0.0	0.0	-503.8
15day Tot	831.4	-4417.3	1198.7	309.0	528.3	98.1	73.6	24.5	-503.8	-503.8
Accumulated deficit including carry over from previous division period										830.3
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Jul 16	34.7	-184.8	76.3	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 17	35.2	-160.0	81.7	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 18	38.3	-142.1	74.2	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 19	38.7	-134.3	36.2	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 20	33.6	-146.6	60.3	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 21	30.2	-140.5	83.2	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 22	28.2	-142.0	89.6	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 23	26.4	-147.6	84.3	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 24	27.4	-181.3	80.4	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 25	29.1	-199.6	79.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 26	28.2	-198.7	84.8	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 27	28.5	-230.1	93.5	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 28	28.7	-222.1	58.8	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 29	26.3	-196.6	88.1	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 30	24.8	-204.9	91.5	12.2	0.0	0.0	0.0	0.0	0.0	0.0
Jul 31	24.1	-195.5	94.6	12.2	0.0	0.0	0.0	0.0	0.0	0.0
16day Tot	482.4	-2826.7	1256.5	195.2	0.0	0.0	0.0	0.0	0.0	0.0
Accumulated deficit including carry over from previous division period										830.3
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Jul Tots	1313.8	-7244.0	2455.2	504.2	528.3	98.1	73.6	24.5	-503.8	-503.8

All Quantities in cubic decametres.

Five day lag period is applied between west and east to determine natural flow at Eastern Crossing.

Grey areas indicate natural flow equal to the recorded flow at the gauge (11AA031) Milk River at Eastern Crossing plus United States and Canadian consumptive use.

APPROVED BY THE FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

Table 8 (Continued) Summary of Daily Net Change, Natural Flow, Evaporative and Net Consumptive Uses of Milk River at Eastern Crossing of International Boundary August, 2021

Date at Eastern Crossing	Natural Flow at Western Crossing	East to West Net Change	Incremental Evaporative Trans. Loss	Total Consumptive Use		Natural Flow at Eastern Crossing	Share		Excess / Deficit to U.S.	Cumulative Excess / Deficit to U.S.
				U.S.	Canada		U.S.	Canada		
				C9,T2	C10,T2		C8,T4	C3,T3		
1	2	3	4	5	6	7	8	9	10	11
Accumulated deficit including carry over from previous division period										
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										830.3
Aug 01	23.3	-220.9	95.8	7.6	0.0	0.0	0.0	0.0	0.0	0.0
Aug 02	23.9	-262.4	42.9	7.6	0.0	0.0	0.0	0.0	0.0	0.0
Aug 03	23.6	-235.4	58.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0
Aug 04	22.5	-175.4	68.7	7.6	0.0	0.0	0.0	0.0	0.0	0.0
Aug 05	22.9	-162.0	72.4	7.6	0.0	0.0	0.0	0.0	0.0	0.0
Aug 06	22.3	-188.9	71.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0
Aug 07	22.6	-244.1	89.9	7.6	0.0	0.0	0.0	0.0	0.0	0.0
Aug 08	25.3	-189.0	15.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0
Aug 09	24.5	-110.9	42.1	7.6	0.0	0.0	0.0	0.0	0.0	0.0
Aug 10	25.4	-76.3	62.3	7.6	0.0	19.0	14.2	4.8	4.8	4.8
Aug 11	24.8	46.5	91.1	7.6	0.0	170.0	127.5	42.5	42.5	47.3
Aug 12	22.7	4.1	77.0	7.6	0.0	111.4	83.6	27.8	27.8	75.1
Aug 13	34.3	-101.8	81.8	7.6	0.0	21.9	16.4	5.5	5.5	80.6
Aug 14	68.1	-267.4	74.0	7.6	0.0	0.0	0.0	0.0	0.0	80.6
Aug 15	42.8	-202.2	68.0	7.6	0.0	0.0	0.0	0.0	0.0	80.6
15day Tot	429.0	-2386.1	1010.4	114.0	0.0	322.3	241.7	80.6	80.6	80.6
Accumulated deficit including carry over from previous division period										
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										830.3
Aug 16	31.1	-218.9	88.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0
Aug 17	27.9	-187.6	44.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0
Aug 18	27.0	-101.3	16.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0
Aug 19	25.5	-77.4	37.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
Aug 20	24.1	-46.2	47.9	2.7	0.0	28.5	21.4	7.1	7.1	7.1
Aug 21	23.1	-20.2	30.2	2.7	0.0	35.8	26.8	9.0	9.0	16.1
Aug 22	26.3	-49.5	60.1	2.7	0.0	39.6	29.7	9.9	9.9	26.0
Aug 23	36.6	-101.4	65.1	2.7	0.0	3.0	2.2	0.8	0.8	26.8
Aug 24	30.6	-179.3	48.1	2.7	0.0	0.0	0.0	0.0	0.0	26.8
Aug 25	30.0	-189.7	53.4	2.7	0.0	0.0	0.0	0.0	0.0	26.8
Aug 26	31.5	-136.5	44.5	2.7	0.0	0.0	0.0	0.0	0.0	26.8
Aug 27	32.1	-131.3	31.3	2.7	0.0	0.0	0.0	0.0	0.0	26.8
Aug 28	27.9	-80.8	53.4	2.7	0.0	3.2	2.4	0.8	0.8	27.6
Aug 29	26.4	-74.5	59.9	2.7	0.0	14.5	10.9	3.6	3.6	31.2
Aug 30	25.7	-107.5	61.7	2.7	0.0	0.0	0.0	0.0	0.0	31.2
Aug 31	24.9	-90.3	58.1	2.7	0.0	0.0	0.0	0.0	0.0	31.2
16day Tot	450.7	-1792.4	801.3	43.2	0.0	124.6	93.4	31.2	31.2	31.2
Accumulated deficit including carry over from previous division period										
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										830.3
Aug Tots	879.7	-4178.5	1811.7	157.2	0.0	446.9	335.1	111.8	111.8	111.8

All figures in cubic decametres.

Five day lag period is applied between west and east to determine natural flow at Eastern Crossing.

Grey areas indicate natural flow equal to the recorded flow at the gauge (11AA031) Milk River at Eastern Crossing plus United States and Canadian consumptive use.

APPROVED BY THE FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

Table 8 (Continued) Summary of Daily Net Change, Natural Flow, Evaporative and Net Consumptive Uses of Milk River at Eastern Crossing of International Boundary September, 2021

Date at Eastern Crossing	Natural Flow at Western Crossing	East to West Net Change	Incremental Evaporative Trans. Loss	Total Consumptive Use		Natural Flow at Eastern Crossing	Share		Excess / Deficit to U.S.	Cumulative Excess / Deficit to U.S.
				U.S.	Canada		U.S.	Canada		
				C9,T2	C10,T2		C8,T4	C3,T3		
1	2	3	4	5	6	7	8	9	10	11
Accumulated deficit including carry over from previous division period										830.3
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Sep 01	25.2	-110.7	59.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 02	34.3	-144.7	52.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 03	32.0	-153.5	43.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 04	29.8	-140.5	53.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 05	28.7	-130.1	55.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 06	27.1	-136.5	53.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 07	26.9	-117.5	56.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 08	28.0	-107.4	48.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 09	26.2	-108.2	65.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 10	24.3	-116.1	44.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 11	22.5	-114.7	27.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 12	22.3	-79.1	38.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 13	22.2	-103.4	38.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 14	22.4	-191.9	50.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Sep 15	22.5	-152.4	47.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0
15day Tot	394.4	-1906.7	737.7	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Accumulated deficit including carry over from previous division period										830.3
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Sep 16	26.0	-111.1	29.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0
Sep 17	27.7	-104.0	28.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0
Sep 18	25.6	-88.4	54.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
Sep 19	25.0	-85.0	34.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0
Sep 20	23.8	22.6	26.8	1.9	0.0	75.1	56.3	18.8	18.8	18.8
Sep 21	23.5	114.7	23.3	1.9	0.0	163.4	122.6	40.8	40.8	59.6
Sep 22	24.2	139.0	20.4	1.9	0.0	185.5	139.1	46.4	46.4	106.0
Sep 23	23.8	161.1	13.1	1.9	0.0	199.9	149.9	50.0	50.0	156.0
Sep 24	23.9	166.2	10.7	1.9	0.0	202.7	152.0	50.7	50.7	206.7
Sep 25	24.5	148.0	8.6	1.9	0.0	183.0	137.2	45.8	45.8	252.5
Sep 26	24.5	-	8.1	1.9	0.0	176.1	132.1	44.0	44.0	296.5
Sep 27	23.8	-	8.3	1.9	0.0	161.7	121.3	40.4	40.4	336.9
Sep 28	23.9	-	5.7	1.9	0.0	142.6	107.0	35.6	35.6	372.5
Sep 29	24.2	-	5.4	1.9	0.0	126.9	95.2	31.7	31.7	404.2
Sep 30	23.5	-	4.6	1.9	0.0	117.9	88.4	29.5	29.5	433.7
15day Tot	367.9	363.1	281.4	28.5	0.0	1734.8	1301.1	433.7	433.7	433.7
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Sep Tots	762.3	-1543.6	1019.1	37.5	0.0	1734.8	1301.1	433.7	433.7	433.7

All figures in cubic decametres.

Five day lag period is applied between west and east to determine natural flow at Eastern Crossing.

Grey areas indicate natural flow equal to the recorded flow at the gauge (11AA031) Milk River at Eastern Crossing plus United States and Canadian consumptive use.

APPROVED BY THE FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

Table 8 (Continued) Summary of Daily Net Change, Natural Flow, Evaporative and Net Consumptive Uses of Milk River at Eastern Crossing of International Boundary October, 2021

Date at Eastern Crossing	Natural Flow at Western Crossing	East to West Net Change	Incremental Evaporative Trans. Loss	Total Consumptive Use		Natural Flow at Eastern Crossing	Share		Excess / Deficit to U.S.	Cumulative Excess / Deficit to U.S.
				U.S.	Canada		U.S.	Canada		
				C3,T3	C8,T3					
1	2	3	4	5	6	7	8	9	10	11
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Oct 01	23.1	-	3.7	0.0	0.0	104.7	78.5	26.2	26.2	26.2
Oct 02	22.8	-	3.4	0.0	0.0	99.6	74.7	24.9	24.9	51.1
Oct 03	22.8	-	4.1	0.0	0.0	91.7	68.8	22.9	22.9	74.0
Oct 04	23.7	-	3.2	0.0	0.0	84.4	63.3	21.1	21.1	95.1
Oct 05	22.6	-	2.6	0.0	0.0	79.8	59.8	20.0	20.0	115.1
Oct 06	23.6	-	1.6	0.0	0.0	72.7	54.5	18.2	18.2	133.3
Oct 07	23.7	-	0.9	0.0	9.5	77.5	58.1	19.4	9.9	143.2
Oct 08	23.3	-	1.4	0.0	13.9	81.2	60.9	20.3	6.4	149.6
Oct 09	23.4	-	1.5	0.0	13.9	79.5	59.6	19.9	6.0	155.6
Oct 10	23.2	-	1.4	0.0	13.6	77.2	57.9	19.3	5.7	161.3
Oct 11	23.0	-	0.8	0.0	1.9	61.1	45.8	15.3	13.4	174.7
Oct 12	23.6	-	0.9	0.0	1.6	62.8	47.1	15.7	14.1	188.8
Oct 13	24.0	-	1.0	0.0	2.1	62.5	46.9	15.6	13.5	202.3
Oct 14	24.2	-	0.8	0.0	3.0	60.7	45.5	15.2	12.2	214.5
Oct 15	23.9	-	1.1	0.0	0.0	55.5	41.6	13.9	13.9	228.4
15day Tot	350.9	0.0	28.4	0.0	59.5	1150.9	863.0	287.9	228.4	228.4
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Oct 16	24.2	-	1.2	0.0	3.1	57.2	42.9	14.3	11.2	11.2
Oct 17	24.2	-	1.3	0.0	3.0	57.6	43.2	14.4	11.4	22.6
Oct 18	24.7	-	0.8	0.0	2.1	54.2	40.7	13.5	11.4	34.0
Oct 19	24.7	-	0.6	0.0	0.0	50.6	38.0	12.6	12.6	46.6
Oct 20	24.7	-	0.6	0.0	2.6	52.3	39.2	13.1	10.5	57.1
Oct 21	24.7	-	0.8	0.0	4.3	55.4	41.6	13.8	9.5	66.6
Oct 22	24.3	-	0.7	0.0	3.0	54.6	41.0	13.6	10.6	77.2
Oct 23	24.3	-	0.6	0.0	0.0	51.9	38.9	13.0	13.0	90.2
Oct 24	24.7	-	0.7	0.0	1.6	52.7	39.5	13.2	11.6	101.8
Oct 25	24.7	-	0.3	0.0	2.5	52.9	39.7	13.2	10.7	112.5
Oct 26	24.7	-	0.7	0.0	1.2	53.3	40.0	13.3	12.1	124.6
Oct 27	24.7	-	0.8	0.0	0.0	50.4	37.8	12.6	12.6	137.2
Oct 28	27.5	-	0.8	0.0	0.0	47.7	35.8	11.9	11.9	149.1
Oct 29	26.5	-	0.9	0.0	0.0	50.2	37.7	12.5	12.5	161.6
Oct 30	25.9	-	1.2	0.0	0.0	59.0	44.2	14.8	14.8	176.4
Oct 31	25.2	-	0.7	0.0	0.0	42.8	32.1	10.7	10.7	187.1
16day Tot	399.7	0.0	12.7	0.0	23.4	842.8	632.3	210.5	187.1	187.1
Accumulated deficit including carry over from previous division period										0
Note: Eligible June 01 to September 15 accumulated carry over is 4 900 dam ³ (2,000 cfs-days).										
Oct Tots	750.6	0.0	41.1	0.0	82.9	1993.7	1495.3	498.4	415.5	415.5

All figures in cubic decametres.

Five day lag period is applied between west and east to determine natural flow at Eastern Crossing.

Grey areas indicate natural flow equal to the recorded flow at the gauge (11AA031) Milk River at Eastern Crossing plus United States and Canadian consumptive use.

Approved by: _____ For Canada _____ For the United States

**Table 9: Historical Summary of March Through October Computed Natural Flow
Milk River at Eastern Crossing of International Boundary
(Quantities In Cubic Decametres)**

YEAR	COMPUTED NATURAL FLOW	UNITED STATES SHARE	CANADIAN SHARE	YEAR	COMPUTED NATURAL FLOW	UNITED STATES SHARE	CANADIAN SHARE
1912	140 600	93 500	47 060	1941	31 230	21 500	9 730
1913	156 000	109 700	46 310	1942	105 500	75 880	29 610
1914	85 080	59 420	25 650	1943	143 500	98 570	44 880
1915	172 100	121 300	50 770	1944	27 940	19 940	8 000
1916	279 900	187 800	92 050	1945	53 840	36 160	17 680
1917	270 300	174 300	96 000	1946	51 470	35 060	16 410
1918	79 710	55 670	24 040	1947	203 600	128 600	75 020
1919	33 800	24 100	9 700	1948	253 700	167 800	85 970
1920	212 700	135 200	77 520	1949	69 920	49 710	20 200
1921	70 180	50 360	19 820	1950	149 100	106 100	42 960
1922	107 500	76 500	31 040	1951	342 400	226 300	116 000
1923	101 400	72 610	28 800	1952	249 000	154 300	94 720
1924	89 170	63 320	25 850	1953	316 700	200 200	116 600
1925	148 900	100 700	48 240	1954	181 800*	127 200	54 610
1926	30 240	21 220	9 020	1955	197 300	133 700*	63 580
1927	449 200	280 800	168 400	1956	138 900	97 270	41 600
1928	273 000	177 700	95 300	1957	129 300	88 470	40 810
1929	183 400	122 800	60 570	1958	139 200	89 690	49 550
1930	131 000	87 900	43 070	1959	159 600	105 100	54 490
1931	36 720	25 050	11 670	1960	121 300	76 290	45 010
1932	94 350	64 710	29 650	1961	46 770	32 760	14 010
1933	117 200	80 590	36 580	1962	72 190	48 500	23 690
1934	116 700	79 580	37 080	1963	34 260	23 630	10 630
1935	97 570	64 590	32 980	1964	154 100	104 300	49 750
1936	79 920	50 220	29 700	1965	283 600	181 200	102 500*
1937	111 600	78 980	32 660	1966	146 500	98 500	48 020
1938	133 200	89 640	43 520	1967	309 000	193 200	115 800
1939	50 110	33 540	16 560	1968	139 200	96 540	42 690
1940	69 710	46 390	23 320	1969	236 000	147 000	88 930
				1970	121 300	84 790	36 460

Continued...

* Revised

Note: The totals of the United States and Canadian shares may not agree with the computed natural flows as all figures have been rounded for this summary. The table is a direct conversion from English to SI units. Totals prior to 1985 may not concur in some cases.

**Table 9 (continued): Historical Summary of March through October
Computed Natural Flow Milk River at Eastern Crossing of International
Boundary**
(Quantities In Cubic Decametres)

YEAR	COMPUTED NATURAL FLOW	UNITED STATES SHARE	CANADIAN SHARE	YEAR	COMPUTED NATURAL FLOW	UNITED STATES SHARE	CANADIAN SHARE
1971	127 900	91 280	36 650	1996	200 300	124 800	75 500
1972	228 700	148 500	80 260	1997	173 800	113 500	60 280
1973	44 490	29 600	14 890	1998	75 030*	53 920*	21 100*
1974	116 700	82 190	34 530	1999	76 810	54 810	22 000
1975	324 200	206 100	118 100	2000	35 390	24 320	11 070
1976	117 800	80 360	37 400	2001	21 730	15 100	6 630
1977	37 180	25 800	11 380	2002	235 400	145 600	89 820*
1978	273 900	173 200	100 700	2003	97 260	63 670	33 600
1979	248 200	152 600	95 570	2004	61 960	42 350	19 620
1980	99 420	69 480	29 940	2005	73 300	51 190	22 110
1981	113 300	79 170	34 170	2006	83 750	58 480	25 270
1982	164 500	109 300	55 150	2007	75 980	48 600	27 380
1983	46 550	32 650	13 910	2008	108 700	77 000	31 660
1984	26 550	17 490	9 060	2009	79 840	56 010	23 830
1985	58 800	41 680	17 110*	2010	278 100	186 800	91 290
1986	88 070	58 850	29 220	2011	358 700	227 400	131 200
1987	58 300	40 890	17 410	2012	111 700	78 570	33 100
1988	35 930	25 010	10 920	2013	97 590	67 340	30 250
1989	116 800*	78 520	38 320	2014	196 900	128 400	68 410
1990	121 000	82 250	38 730	2015	66 620	44 100	22 520
1991	148 100	105 200	42 840	2016	37 150	26 490	10 660
1992	38 900	26 910	11 990	2017	72 300	45 380	26 920
1994	188 000	115 400	72 590	2018	175 900	112 000	63 860
1995	229 300	155 200	74 110	2019	75 800	48 600	27 200
				2020	93 350	66 590	26 760
				2021	53 510	36 910	16 600
				AVERAGE			
				1912 – 2020	134 900	89 680	45 200

* Revised

Note: The totals of the United States and Canadian shares may not agree with the computed natural flows as all figures have been rounded for this summary. The table is a direct conversion from English to SI units. Totals prior to 1985 may not concur in some cases.

Table 10: Natural Flow of Lodge Creek at International Boundary

	1	2	3	4	5	6	7	8	9	10	
Period Upper Lodge Area	Michel Reservoir Depletion	Greasewood Reservoir Depletion	Massy Reservoir Depletion	Minor Diversion (Upper Lodge Incl. Bare Cr.)	Total Depletion Upper Lodge Reservoirs	Channel Loss to International Boundary	Net Depletion Upper Lodge	Bare Creek Reservoir Depletion	Channel Loss to International Boundary	Net Depletion Bare Creek	
	Observed	Observed	Observed	Reported	1+2+3+4	7.34 dam ³ /day +% of remainder	5 - 6	Observed	7.34 dam ³ /day +% of remainder	8 - 9	
Feb 25-Mar 11	1	5	11	0	17	6	17	0	6	1	0
Mar 12 - 27	85	82	213	0	380	6	133	247	6	133	246
Mar 28-Apr 11	10	3	3	0	16	9	16	0	9	25	0
Apr 12 - 26	-8	-1	-2	0	-11	9	-11	0	9	-31	0
Apr 27-May 11	12	8	12	0	32	15	32	0	15	29	0
May 12 - 27	13	6	8	0	27	15	27	0	15	58	0
May 28-Jun 11	-1	-4	-1	0	-6	24	-6	0	24	-29	0
Jun 12 - 26	5	-5	-57	57	0	24	0	0	24	7	0
Jun 27-Jul 11	0	-55	-25	80	0	24	0	0	24	12	0
Jul 12 - 27	-1	-32	-3	32	-4	24	-4	0	24	2	0
Jul 28-Aug 11	-1	1	0	0	0	24	0	0	24	-4	0
Aug 12 - 27	-3	1	-1	0	-3	24	-3	0	24	-202	-64
Aug 28-Sep 11	3	1	-9	0	-5	15	-5	0	15	-145	-30
Sep 12 - 26	-7	1	-2	0	-8	15	-8	0	15	-10	0
Sep 27-Oct 11	-6	1	-2	0	-7	9	-7	0	9	-13	0
Oct 12 - 27	-4	2	-1	0	-3	9	-3	0	9	-8	0
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Total	98	14	144	169	425	178	247	71	-81	152	

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres. Totals may not add or subtract exactly as a result of rounding.

Table 10 (continued): Natural Flow of Lodge Creek at International Boundary

	11	12	13	14	15	16	17	18		19	20	21
Period Cressday and Mitchell Reservoir Area	Cressday Reservoir Depletion	Channel Loss to Inter- national Boundary	Net Depletion Cressday	Mitchell Reservoir Depletion	Minor Diversions	Total Depletion Mitchell Reservoir	Channel Loss to Inter- national Boundary	Net Depletion Mitchell	Period Jaydot Reservoir Area	Jaydot Reservoir Depletion	Channel Loss to Inter- national Boundary	Net Depletion Jaydot
	Observed	4.92 dam ³ /day +% of remainder	11 - 12	Observed	Reported	14 + 15	4.92 dam ³ /day +% of remainder	16 - 17		Observed	2.42 dam ³ /day +% of remainder	19 - 20
Feb 26-Mar 12	126	4 76	50	-2	0	-2	4 -2	0	Feb 27-Mar 13	0	2 0	0
Mar 13 - 28	174	4 83	91	109	0	109	4 80	29	Mar 14 - 29	0	2 0	0
Mar 29-Apr 12	-23	6 -23	0	225	0	225	6 83	142	Mar 30-Apr 13	0	3 0	0
Apr 13 - 27	-7	6 -7	0	-85	87	2	6 2	0	Apr 14 - 28	0	3 0	0
Apr 28-May 12	6	10 6	0	50	0	50	10 50	0	Apr 29-May 13	0	5 0	0
May 13 - 28	79	10 79	0	146	0	146	6 83	63	May 14 - 29	0	5 0	0
May 29-Jun 12	5	16 5	0	-155	154	-1	16 -1	0	May 30-Jun 13	0	8 0	0
Jun 13 - 27	9	16 9	0	4	0	4	16 4	0	Jun 14 - 28	0	8 0	0
Jun 28-Jul 12	4	16 4	0	-9	10	1	16 1	0	Jun 29-Jul 13	0	8 0	0
Jul 13 - 28	-2	16 -2	0	-6	0	-6	16 -6	0	Jul 14 - 29	0	8 0	0
Jul 29-Aug 12	-5	16 -5	0	-4	0	-4	16 -4	0	Jul 30-Aug 13	0	8 0	0
Aug 13 - 28	-4	16 -4	0	-9	0	-9	16 -9	0	Aug 14 - 29	0	8 0	0
Aug 29-Sep 12	0	10 0	0	-2	0	-2	10 -2	0	Aug 30-Sep 13	0	5 0	0
Sep 13 - 27	-8	10 -8	0	-15	0	-15	10 -15	0	Sep 14 - 28	0	5 0	0
Sep 28-Oct 12	-8	6 -8	0	-26	0	-26	6 -26	0	Sep 29-Oct 13	0	3 0	0
Oct 13 - 28	-5	6 -5	0	-7	0	-7	6 -7	0	Oct 14 - 29	0	3 0	0
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Total	341	199	142	214	251	465	231	234		0	0	0

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres. Totals may not add or subtract exactly as a result of rounding.

Table 10 (continued): Natural Flow of Lodge Creek at International Boundary

Period Middle Creek Reservoir Area	22	23	24	25	26	27	
	Middle Creek Reservoir Inflow	Irrigation Return Middle Creek Below Middle Creek Reservoir	Minor Diversions (Middle Cr.)	Gross Depletion	Channel Loss to International Boundary	Net Depletion Middle Creek	
	Observed	Observed	Reported	22 - 23 + 24	4.92 dam ³ /day +% of remainder	25 - 26	
Feb 26-Mar 12	21	0	0	21	4	21	0
Mar 13 - 28	446	0	78	523	4	97	427
Mar 29-Apr 12	873	0	0	873	6	122	751
Apr 13 - 27	86	0	15	102	6	75	26
Apr 28-May 12	194	0	0	194	10	86	109
May 13 - 28	566	221	0	345	10	105	239
May 29-Jun 12	92	93	0	-2	16	-2	0
Jun 13 - 27	26	47	0	-22	16	-22	0
Jun 28-Jul 12	23	0	0	23	16	23	0
Jul 13 - 28	26	0	0	26	16	26	0
Jul 29-Aug 12	17	0	0	17	16	17	0
Aug 13 - 28	12	0	0	12	16	12	0
Aug 29-Sep 12	9	0	0	9	10	9	0
Sep 13 - 27	12	0	0	12	10	12	0
Sep 28-Oct 12	23	0	0	23	6	23	0
Oct 13 - 28	22	0	0	22	6	22	0
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Total	2447	362	93	2178		626	1552

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres. Totals may not add or subtract exactly as a result of rounding.

Table 10 (continued): Natural Flow of Lodge Creek at International Boundary

	28			29			30			31			32			33			34		
Period Middle Creek Near Govenlock	Middle Creek Near Govenlock	Channel Loss to Middle Cr Above Lodge Creek		Period To Middle Creek Above Lodge Creek	Apparent Flow At Middle Creek Above Lodge Creek	Measured Flow At Middle Creek Above Lodge Creek	Water Use Stokke - Buchanan Projects	Channel Loss to International Boundary		Net Depletion Stokke - Buchanan											
	Observed	1.21 dam ³ /day +% of remainder			28 - 29	Observed	30 - 31	1.21 dam ³ /day +% of remainder		32 - 33											
Feb 27-Mar 13	25	1	18	Feb 28-Mar 14	7	45	-39	1	-18	-20											
Mar 14 - 29	593	1	25	Mar 15 - 30	568	778	-211	1	-21	-190											
Mar 30-Apr 13	121	2	20	Mar 31-Apr 14	101	130	-29	2	-18	-10											
Apr 14 - 28	74	2	19	Apr 15 - 29	55	106	-52	2	-19	-33											
Apr 29-May 13	78	3	20	Apr 30-May 14	58	78	-20	3	-18	-2											
May 14 - 29	446	3	32	May 15 - 30	414	289	124	3	23	102											
May 30-Jun 13	120	4	22	May 31-Jun 14	98	85	12	4	12	0											
Jun 14 - 28	75	4	20	Jun 15 - 29	54	68	-14	4	-14	0											
Jun 29-Jul 13	6	4	6	Jun 30-Jul 14	0	5	-5	4	-5	0											
Jul 14 - 29	0	4	0	Jul 15 - 30	0	0	0	4	0	0											
Jul 30-Aug 13	0	4	0	Jul 31-Aug 14	0	0	0	4	0	0											
Aug 14 - 29	0	4	0	Aug 15 - 30	0	0	0	4	0	0											
Aug 30-Sep 13	0	3	0	Aug 31-Sep 14	0	0	0	3	0	0											
Sep 14 - 28	0	3	0	Sep 15 - 29	0	0	0	3	0	0											
Sep 29-Oct 13	0	2	0	Sep 30-Oct 14	0	0	0	2	0	0											
Oct 14 - 29	0	2	0	Oct 15 - 30	0	0	0	2	0	0											
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Total	1537		183		1354	1586	-232		-79	-153											

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres. Totals may not add or subtract exactly as a result of rounding.

Table 10 (continued): Natural Flow of Lodge Creek at International Boundary

	35	36	37	38	39	40	41	42	
Period	Altawan Reservoir Depletion	Spangler Ditch	Return Flow From Spangler Ditch -Butala Coulee	Return Flow From Bedford -Walburger Coulee	Minor Diversions	Gross Depletion	Channel Loss to International Boundary	Net Depletion Altawan	
Altawan Reservoir Area	Observed	Observed	Observed	Observed	Reported	35+36-37-38+39	2.42 dam ³ /day +% of remainder	44 - 41	
Feb 27-Mar 13	343	0	0	0	47	390	2	43	346
Mar 14 - 29	1426	0	0	0	83	1509	2	68	1441
Mar 30-Apr 13	54	0	0	0	150	204	3	41	162
Apr 14 - 28	-54	0	0	0	30	-24	3	-24	0
Apr 29-May 13	153	0	0	0	0	153	5	42	111
May 14 - 29	186	687	149	0	0	724	5	73	651
May 30-Jun 13	-1084	1287	92	0	0	111	8	42	69
Jun 14 - 28	41	45	48	0	0	38	8	36	1
Jun 29-Jul 13	4	0	0	0	0	4	8	4	0
Jul 14 - 29	-434	352	0	0	0	-82	8	-42	-40
Jul 30-Aug 13	-421	363	0	0	0	-58	8	-38	-20
Aug 14 - 29	-3	0	0	0	0	-3	8	-3	0
Aug 30-Sep 13	-11	0	0	0	0	-11	5	-11	0
Sep 14 - 28	-29	0	0	0	0	-29	5	-29	0
Sep 29-Oct 13	-33	0	0	0	0	-33	3	-33	0
Oct 14 - 29	-20	0	0	0	0	-20	3	-20	0
Total	118	2734	289	0	310	2872	150	2722	

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres. Totals may not add or subtract exactly as a result of rounding.

Table 10 (continued): Natural Flow of Lodge Creek at International Boundary

	43	44	45	46	47	48
Period At International Boundary	Net Depletion In Canada	Lodge Creek At International Boundary	Natural Flow Of Lodge Creek	U.S.A. Share Of Natural Flow	Excess Flow To U.S.A.	Deficit(-) To Date
	7 + 10 + 13 + 18 +21 + 27 + 34 + 42	Observed	43+ 44	50% of 45	44 - 46	Sum of 47
Mar 1 - 15	376	1503	1879	940	563	0
Mar 16 - 31	2292	3923	6214	3107	816	0
Apr 1 - 15	1045	1823	2868	1434	389	0
Apr 16 - 30	-6	565	559	279	286	0
May 1 - 15	218	372	590	295	77	0
May 16 - 31	1056	1495	2551	1275	220	0
Jun 1 - 15	69	510	578	289	221	0
Jun 16 - 30	1	63	64	32	31	0
Jul 1 - 15	0	6	6	3	3	0
Jul 16 - 31	-40	0	0	0	0	0
Aug 1 - 15	-20	0	0	0	0	0
Aug 16 - 31	-64	4	0	0	4	0
Sep 1 - 15	-30	0	0	0	0	0
Sep 16 - 30	0	0	0	0	0	0
Oct 1 - 15	0	0	0	0	0	0
Oct 16 - 31	0	0	0	0	0	0
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Total	4896	10265	15309	7654	2611	0

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All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres.
 Totals may not add or subtract exactly as a result of rounding.

Approved by: _____ For Canada
 _____ For the United States

Table 11: Historical Summary of March Through October Computed Natural and Recorded Flow Lodge Creek at International Boundary
(Quantities In Cubic Decameters)

YEAR	COMPUTED NATURAL FLOW	CANADIAN & U.S.A. SHARES	RECORDED FLOW	YEAR	COMPUTED NATURAL FLOW	CANADIAN & U.S.A. SHARES	RECORDED FLOW
1950	17 900	8 950	14 410				
1951	62 950	31 475	48 760	1986	93 870	46 935	75 060
1952	161 600	80 800	147 200	1987	31 280	15 640	20 670
1953	38 240	19 120	27 240	1988	2 990	1 495	1 370
1954	13 050	6 525	7 620	1989	4 160	2 080	1 920
1955	97 070	48 535	75 390	1990	29 750	14 875	16 030
				1991	13 870	6 935	7 670
1956	21 180	10 590	15 770	1992	398	199	0
1957	32 770	16 385	24 500	1993	46 180	23 090	26 690
1958	48 180	24 090	42 090	1994	28 150	14 075	18 190
1959	21 220	10 610	14 300	1995	3 760	1 880	2 360
1960	39 590	19 795	29 510				
				1996	68 440	34 220	53 370
1961	2 200	1 100	1 030	1997	45 860	22 930	33 500
1962	25 640	12 820	18 840	1998	3 390	1 695	1 620
1963	14 080	7 040	7 500	1999	6 910	3 455	3 720
1964	9 790	4 895	5 130	2000	174	87	0
1965	95 340	47 670	68 060				
				2001	139	70	0
1966	44 230	22 115	30 180	2002	12 590	6 295	6 100
1967	90 360	45 180	73 260	2003	21 330	10 665	12 660
1968	4 910	2 455	2 650	2004	9 630	4 815	5 440
1969	36 900	18 450	20 850	2005	6 860	3 430	3 310
1970	29 050	14 525	16 160				
				2006	11 010	5 505	5 140
1971	26 290	13 145	13 080	2007	6 930	3 465	3 930
1972	27 380	13 690	13 580	2008	2 230	1 115	1 100
1973	2 080	1 040	1 060	2009	4 640	2 320	2 210
1974	26 980	13 490	14 560	2010	41 620	20 810	22 980
1975	48 000	24 000	34 540				
				2011	89 490	44 745	79 850
1976	29 480	14 740	22 320	2012	4 000	2 000	1 930
1977	1 240	620	891	2013	17 050	8 525	9 750
1978	37 240	18 620	22 350	2014	15 150	7 575	9 980
1979	47 020	23 510	30 390	2015	14 710	7 355	11 890
1980	2 140	1 070	712				
				2016	3 090	1 545	1 066
1981	1 260	630	407	2017	46 380	23 190	41 440
1982	38 800	19 400	22 420	2018	35 730	17 865	23 890
1983	4 660	2 330	2 480	2019	3 390	1 695	1 970
1984	937	469	600	2020	53 000	26 500	38 180
1985	21 270	10 635	9 960	2021	15 310	7 655	10 270
				AVERAGE			
				1950-2020	28 160	14 080	20 070

Table 12: Natural Flow of Battle Creek at International Boundary

	1	2	3	4	5		6	7	8	9	10	11
Period	Reesor	Reesor	Gross	Channel	Net	Period			Gaff	Gross	Channel	Net
Reesor Lake Area	Lake Depletion	Lake Minor use	Depletion Reesor Lake	Loss To International Boundary	Depletion Upper Battle Creek	Gaff Ditch Area	Gaff Ditch	Return Flow	Ditch Area Minor Use	Depletion Gaff Ditch	Loss To International Boundary	Depletion Gaff Ditch
	Observed	Reported	1 + 2	14.7 dam ³ /day	3 - 4		Measured	35% of 6	Reported	(6 - 7) + 8	9.76 dam ³ /day	9 - 10
Feb 24-Mar 19	-6	0	-6	-6	0	Feb 25-Mar 21	0	0	93	93	93	0
Mar 20-Apr 3	9	0	9	9	0	Mar 22-Apr 5	0	0	16	16	16	0
Apr 4 - 18	3	0	3	3	0	Apr 6 - 20	0	0	412	412	146	266
Apr 19-May 3	22	0	22	22	0	Apr 21-May 5	217	76	73	214	146	68
May 4 - 19	36	0	36	36	0	May 6 - 21	18	6	74	86	86	0
May 20-Jun 3	43	0	43	43	0	May 22-Jun 5	2	1	31	33	33	0
Jun 4 - 18	16	0	16	16	0	Jun 6 - 20	0	0	128	128	128	0
Jun 19-Jul 3	12	0	12	12	0	Jun 21-Jul 5	0	0	232	232	146	85
Jul 4 -19	-5	0	-5	-5	0	Jul 6 - 21	0	0	268	268	156	112
Jul 20-Aug 3	-6	0	-6	-6	0	Jul 22-Aug 5	0	0	174	174	146	28
Aug 4 - 19	-15	0	-15	-15	0	Aug 6 - 21	0	0	26	26	26	0
Aug 20-Sep 3	11	0	11	11	0	Aug 22-Sep 5	0	0	11	11	11	0
Sep 4 - 18	-4	0	-4	-4	0	Sep 6 - 20	0	0	0	0	0	0
Sep 19-Oct 3	-11	0	-11	-11	0	Sep 21-Oct 5	0	0	0	0	0	0
Oct 4-Oct 19	-19	0	-19	-19	0	Oct 6 - 21	0	0	0	0	0	0
Oct 20 - 25	-3	0	-3	-3	0	Oct 22-27	0	0	0	0	0	0
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Total	83	0	83	83	0		238	83	1538	1692	1134	559

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres. Totals may not add or subtract exactly as a result of rounding.

Table 12 (continued): Natural Flow of Battle Creek at International Boundary

	12	13	14	15	16	17	18	19	20	21	22	23
Period Cypress Lake Area	West Inflow Canal	West Outflow Canal	West Inflow Canal Drain	Cypress Lake Area Release	Net Diversion To Cypress Lake Area	Vidora Ditch	Return Flow 25% of 17	Total Cypress Lake Diversion	Cypress Area Minor Use	Gross Depletion Cypress Lake	Channel Loss To Inter- National Boundary	Net Depletion Cypress Lake
	Measured	Measured	Measured	13 + 14	12-15	Measured	(4 day lag)	16+17-18	Reported	19+20	7.34 dam ³ /day	21 - 22
Feb 27-Mar 22	1097	0	8	8	1090	0	0	1090	101	1190	184	1007
Mar 23-Apr 6	1607	84	6	90	1517	0	0	1517	0	1517	110	1407
Apr 7- 21	2298	467	3	470	1828	0	0	1828	0	1828	110	1718
Apr 22-May 6	881	274	3	277	604	0	0	604	65	669	110	559
May 7 - 22	1080	4156	3	4159	-3079	1071	268	-2275	208	-2067	-117	-1949
May 23-Jun 6	1279	2488	3	2491	-1212	1322	330	-221	196	-25	-25	0
Jun 7 -21	222	759	3	761	-539	55	14	-498	222	-276	-110	-166
Jun 22-Jul 6	1	774	2	776	-775	0	0	-775	109	-666	-110	-556
Jul 7 - 22	0	811	2	813	-813	0	0	-813	126	-687	-117	-569
Jul 23-Aug 6	0	7	1	9	-9	0	0	-9	57	48	48	0
Aug 7 - 22	0	6	1	6	-6	0	0	-6	0	-6	-6	0
Aug 23-Sep 6	0	3	1	4	-4	0	0	-4	0	-4	-4	0
Sep 7 - 21	0	3	1	4	-4	0	0	-4	0	-4	-4	0
Sep 22-Oct 6	0	4	0	4	-4	0	0	-4	0	-4	-4	0
Oct 7 - 22	3	7	0	7	-4	0	0	-4	0	-4	-4	0
Oct 23 - 28	4	2	0	3	1	0	0	1	0	1	1	0
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Total	8472	9846	35	9880	-1408	2448	612	428	1083	1511	61	1451

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All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres. Totals may not add or subtract exactly as a result of rounding.

Table 12 (continued): Natural Flow of Battle Creek at International Boundary

	24	25	26	27	28	29	30	31
Period	Richardson	McKinnon	Return	Gross	Consul Area	Gross	Channel Loss	Net
Consul Area	Ditch	Ditch	Flow	Canal	Minor Use	Depletion at	To	Depletion
	Measured	Measured	25% of 24 & 25	Diversion		Consul	International	At Consul
			(2 day lag)	24+25-26	Reported	27+28	Boundary	
							4.92 dam ³ /day	29-30
Feb 28-Mar 23	0	0	0	0	359	359	123	236
Mar 24-Apr 7	0	0	0	0	129	129	74	56
Apr 8 – 22	0	0	0	0	43	43	43	0
Apr 23-May 7	0	0	0	0	24	24	24	0
May 8 – 23	1702	1244	737	2210	0	2210	79	2131
May 24-Jun 7	175	779	238	715	0	715	74	642
Jun 8 – 22	0	0	0	0	0	0	0	0
Jun 23-Jul 7	0	0	0	0	0	0	0	0
Jul 8 – 23	0	0	0	0	0	0	0	0
Jul 24-Aug 7	0	0	0	0	0	0	0	0
Aug 8 – 23	0	0	0	0	0	0	0	0
Aug 24-Sep 7	0	0	0	0	0	0	0	0
Sep 8 – 22	0	0	0	0	0	0	0	0
Sep 23-Oct 7	0	0	0	0	0	0	0	0
Oct 8 – 23	0	0	0	0	0	0	0	0
Oct 24-29	0	0	0	0	0	0	0	0
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Total	1877	2024	975	2925	554	3480	416	3065

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres. Totals may not add or subtract exactly as a result of rounding.

Table 12 (continued): Natural Flow of Battle Creek at International Boundary

	32	33	34	35	36	37	38	39	40
Period Nashlyn Area	Battle Creek Near Consul Measured	Battle Creek Below Nashlyn Project Measured	Nashlyn Canal Measured	Return Flow 25% of 34	Gross Canal Diversion 34-35	Nashlyn Area Minor Use Reported	Gross Depletion At Nashlyn 36+37	Channel Loss To International Boundary 2.42 dam ³ /day	Net Depletion At Nashlyn 38-39
Feb 28-Mar 24	2506	2039	551	138	413	277	691	61	630
Mar 25-Apr 8	847	190	736	184	552	15	568	36	531
Apr 9 – 23	671	280	692	173	519	0	519	36	483
Apr 24-May 8	585	240	363	91	272	0	272	36	236
May 9 - 24	1668	2307	2	0	1	0	1	1	0
May 25-Jun 8	2281	2393	0	0	0	0	0	0	0
Jun 9 – 23	1503	1503	0	0	0	0	0	0	0
Jun 24-Jul 8	1158	968	0	0	0	0	0	0	0
Jul 9 – 24	1037	1002	0	0	0	0	0	0	0
Jul 25-Aug 8	18	38	0	0	0	0	0	0	0
Aug 9 – 24	193	92	0	0	0	0	0	0	0
Aug 25-Sep 8	374	254	0	0	0	0	0	0	0
Sep 9 - 23	358	334	0	0	0	0	0	0	0
Sep 24-Oct 8	331	340	0	0	0	0	0	0	0
Oct 9 - 24	451	410	0	0	0	0	0	0	0
Oct 25 - 30	193	117	0	0	0	0	0	0	0
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Total	14173	12508	2344	586	1758	293	2051	171	1880

A factor of 25% was used to estimate Nashlyn Canal return flow.

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres. Totals may not add or subtract exactly as a result of rounding.

Table 12 (continued): Natural Flow of Battle Creek at International Boundary

Period At International Boundary	41 Net Depletion In Canada 5+11+23+31+40	42 Battle Creek At International Boundary Measured	43 Natural Flow Of Battle Creek 41+42	44 U.S.A. Share Of Natural Flow 50% of 43	45 Excess Flow To The U.S.A. 42-44	46 Deficit(-) To Date Sum of 45
Mar 1 - 25	1873	3456	5329	2665	791	0
Mar 26-Apr 9	1994	123	2117	1058	-935	-935
Apr 10 - 24	2467	257	2724	1362	-1105	-2040
Apr 25-May 9	863	232	1095	547	-315	-2355
May 10 - 25	182	2367	2549	1275	1092	-1263
May 26-Jun 9	642	2333	2975	1487	846	-417
Jun 10 - 24	-166	1356	1190	595	761	0
Jun 25-Jul 9	-471	704	233	117	587	0
Jul 10 - 25	-457	773	316	158	615	0
Jul 26-Aug 9	28	13	41	21	-8	-8
Aug 10 - 25	0	0	0	0	0	-8
Aug 26-Sep 9	0	64	64	32	32	0
Sep 10 - 24	0	97	97	48	49	0
Sep 25-Oct 9	0	165	165	83	82	0
Oct 10 - 25	0	295	295	147	148	0
Oct 26 - 31	0	151	151	76	75	0
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Total	6955	12387	19342	9671	2716	0

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All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres.
 Totals may not add or subtract exactly as a result of rounding.

Approved by: _____ For Canada
 _____ For the United States

**Table 13: Historical Summary of March to October Computed Natural and Recorded Flow
Battle Creek at International Boundary**
(Quantities In Cubic Decametres)

YEAR	COMPUTED NATURAL FLOW	CANADIAN & U.S.A. SHARES	RECORDED FLOW	YEAR	COMPUTED NATURAL FLOW	CANADIAN & U.S.A. SHARES	RECORDED FLOW
1940	45 030	22 515	32 100	1980	9 960	4 980	5 860
1941	31 280	15 640	20 860	1981	8 900	4 450	5 610
1942	27 500	13 750	13 490	1982	36 120	18 060	21 940
1943	40 710	20 355	27 960	1983	18 560	9 280	9 660
1944	12 990	6 495	9 470	1984	5 490	2 745	2 820
1945	11 010	5 505	9 970	1985	20 790	10 395	10 530
1946	12 820	6 410	8 590	1986	75 180	37 590	49 540
1947	13 900	6 950	8 540	1987	36 420	18 210	18 460
1948	23 100	11 550	9 670	1988	9 940	4 970	4 650
1949	1 650	825	2 160	1989	8 590	4 295	5 080
1950	23 800	11 900	12 730	1990	19 360	9 680	10 720
1951	35 910	17 955	20 440	1991	19 380 *	9 690	9 930
1952	138 400	69 200	127 800	** 1992	7 490	3 745	4 820
1953	46 580	23 290	34 760	** 1993	34 490	17 245	17 840
1954	40 930	20 465	31 520	** 1994	34 430	17 215	18 260
1955	110 700	55 350	117 600	1995	17 730	8 865	9 310
1956	31 590	15 795	24 890	1996	79 430	39 715	38 140
1957	33 910	16 955	22 990	1997	62 990	31 495	43 580
1958	34 290	17 145	25 040	1998	12 110	6 055	6 300
1959	22 340	11 170	14 680	1999	11 380	5 690	6 890
1960	34 520	17 260	19 350	*** 2000	5 670	2 835	2 950
1961	6 970	3 485	5 510	2001	4 480	2 240	1 720
1962	9 090	4 545	6 010	2002	23 660	11 830	12 620
1963	9 920	4 960	5 790	2003	27 280	13 640	15 640
1964	13 100	6 550	6 670	2004	25 790	12 895	17 180
1965	67 350	33 675	33 950	** 2005	17 800	8 900	9 480
1966	45 850	22 925	24 860	2006	11 710	5 855	4 980
1967	80 440	40 220	67 670	2007	15 830	7 915	9 640
1968	20 090	10 045	12 830	2008	14 400	7 200	7 820
1969	35 440	17 720	21 590	2009	11 720	5 860	5 840
1970	38 260	19 130	22 570	** 2010	66 300	33 150	27 320
1971	23 770	11 885	15 420	2011	103 000	51 500	85 700
1972	27 440	13 720	17 210	2012	19 320	9 660	13 630
1973	11 810	5 905	6 170	2013	25 430	12 715	23 050
1974	23 720	11 860	15 300	2014	21 240	10 620	12 760
1975	54 440	27 220	32 440	2015	17 740	8 870	22 100
1976	34 520	17 260	21 210	2016	15 270	7 635	8 590
1977	5 840	2 920	3 330	2017	46 330	23 165	32 960
1978	28 520	14 260	16 690	2018	25 210	12 605	17 290
1979	47 520	23 760	27 640	2019	10 520	5 260	6 530

Continued...

* Revised.

** For comparison purposes, totals for Mar 1 to Oct 31 are shown. Additional periods are not included.

*** Between 2000 and 2002, the Quantities for 2000 were reported as 5 700, 2 850, and 2 990 and in 2003 the Quantities were erroneously reported as 5 670, 2 830, and 2 950. The Quantities for the year 2000 currently shown in the above table are correct.

YEAR	COMPUTED NATURAL FLOW	CANADIAN & U.S.A. SHARES	RECORDED FLOW	YEAR	COMPUTED NATURAL FLOW	CANADIAN & U.S.A. SHARES	RECORDED FLOW
2020	50 610	25 305	35 760				
2021	19 340	9 670	12 390				
AVERAGE 1940-2020	30 190	15 095	20 140				

Table 14: Natural Flow of Frenchman River at International Boundary

	1	2	3	4	5	6
Period For Cypress Lake Area	Belanger Creek Diversion Measured	Cypress Lake East Outflow Canal Measured	Cypress Area Minor Use Reported	Gross Depletion At Cypress Lake 1 - 2 + 3	Channel Loss To Inter - National Boundary Computed	Net Depletion At Cypress Lake 4 - 5
Feb 21-Mar 6	0	35	0	-35	-35	0
Mar 7 - 22	291	1460	3	-1166	-347	-819
Mar 23-Apr 6	968	527	51	492	258	233
Apr 7 - 21	420	108	66	378	249	129
Apr 22-May 6	162	156	196	201	201	0
May 7 - 22	106	389	266	-17	-17	0
May 23-Jun 6	218	766	211	-337	-262	-74
Jun 7 -21	0	275	70	-205	-205	0
Jun 22-Jul 6	0	85	47	-38	-38	0
Jul 7 - 22	0	66	15	-51	-51	0
Jul 23-Aug 6	0	21	9	-12	-12	0
Aug 7 - 22	0	39	0	-39	-39	0
Aug 23-Sep 6	0	48	0	-48	-48	0
Sep 7 - 21	0	30	0	-30	-30	0
Sep 22-Oct 6	0	25	0	-25	-25	0
Oct 7 - 22	0	90	0	-90	-90	0
	-----	-----	-----	-----	-----	-----
Total	2164	4119	934	-1021	-490	-531

All Quantities are derived from data as published in Appendix B.
All Quantities in cubic decametres.

Table 14 (continued): Natural Flow of Frenchman River at International Boundary

	7	8	9	10	11	12	13
Period For Eastend Area	Eastend Reservoir Depletion	Eastend Canal	Return Flow	Eastend Area Minor Use	Gross Depletion At Eastend	Channel Loss At Inter - National Boundary	Net Depletion At Eastend
	Observed	Measured	Computed	Reported	7+8-9+10	Computed	11-12
Feb 23-Mar 8	-65	0	0	45	-20	-20	0
Mar 9 - 24	1707	0	0	32	1739	351	1388
Mar 25-Apr 8	526	0	0	22	548	228	320
Apr 9 - 23	204	0	0	10	214	189	25
Apr 24-May 8	-86	594	149	93	452	233	220
May 9 - 24	-763	2782	696	24	1347	484	863
May 25-Jun 8	35	1356	339	15	1067	449	618
Jun 9 - 23	87	0	0	31	118	118	0
Jun 24-Jul 8	51	0	0	11	62	62	0
Jul 9 - 24	148	0	0	11	159	159	0
Jul 25-Aug 8	-67	0	0	11	-56	-56	0
Aug 9 - 24	-87	0	0	1	-86	-86	0
Aug 25-Sep 8	-90	0	0	0	-90	-90	0
Sep 9 - 23	12	0	0	0	12	12	0
Sep 24-Oct 8	-2	0	0	0	-2	-2	0
Oct 9 - 24	28	0	0	0	28	28	0
	-----	-----	-----	-----	-----	-----	-----
Total	1638	4733	1184	306	5493	2060	3433

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres.

Table 14 (continued): Natural Flow of Frenchman River at International Boundary

	14	15	16	17	18	19	20	21	22	23	24	25
Period For Val Marie Area	Huff Lake Net Depletion	Newton Lake Net Depletion	Total Change In Reservoir Contents	Huff Lake Gravity Canal	Huff Lake Pumping Canal	Newton Lake Main Canal	Total Canal Diversion	Return Flow	Val Marie Minor Use	Gross Depletion At Val Marie	Channel Loss To Boundary	Net Depletion At Val Marie
	Observed	Observed	14+15	Measured	Measured	Measured	17+18+19	Computed	Reported	16+20-21+22	Computed	23 - 24
Feb 27-Mar 12	808	1093	1901	0	0	0	0	0	9	1910	147	1762
Mar 13 - 28	855	1308	2163	0	0	0	0	0	154	2317	168	2149
Mar 29-Apr 12	-107	139	32	0	0	0	0	0	165	197	81	116
Apr 13 - 27	186	410	596	0	0	0	0	0	0	596	105	491
Apr 28-May 12	-381	46	-335	630	413	0	1043	261	127	574	124	450
May 13 - 28	-1351	-2553	-3904	1434	855	2998	5288	1322	233	294	100	194
May 29-Jun 12	1353	-941	412	442	220	1374	2036	509	0	1938	372	1566
Jun 13 - 27	-107	541	434	0	0	0	0	0	0	434	131	302
Jun 28-Jul 12	137	-268	-131	0	0	0	0	0	0	-131	-83	-48
Jul 13 - 28	124	110	234	0	0	0	0	0	0	234	104	131
Jul 29-Aug 12	34	-234	-200	0	0	218	218	54	0	-36	-36	0
Aug 13 - 28	168	-2703	-2535	0	0	2143	2143	536	0	-928	-215	-713
Aug 29-Sep 12	-9	-846	-855	0	0	743	743	186	0	-298	-96	-202
Sep 13 - 27	-566	855	289	0	6	0	6	1	0	294	96	198
Sep 28-Oct 12	-48	127	79	0	11	0	11	3	0	87	75	12
Oct 13 - 28	100	69	169	0	0	0	0	0	0	169	84	85
Total	1196	-2846	-1650	2506	1505	7475	11486	2872	688	7651	1158	6494

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic decametres.

Table 14 (continued): Natural Flow of Frenchman River at International Boundary

	26	27	28	29	30	31	32
Period At International Boundary	Near International Boundary Minor Use Reported	Net Depletion In Canada 6+13+25+26	Frenchman River at International Boundary Measured	Natural Flow Of Frenchman River 27+28	U.S.A. Share Of Natural Flow 50% of 29	Excess Flow To The U.S.A. 28-30	Deficit(-) To Date Sum of 31
Mar 1 – 15	0	1762	1555	3317	1659	-104	-104
Mar 16 – 31	0	2718	1521	4239	2119	-598	-702
Apr 1 - 15	0	669	7180	7849	3924	3256	0
Apr 16 - 30	0	645	2618	3263	1631	987	0
May 1 - 15	0	670	1529	2199	1100	429	0
May 16 - 31	0	1057	1521	2577	1289	232	0
Jun 1 - 15	0	2110	1175	3285	1642	-467	-467
Jun 16 - 30	0	302	238	541	270	-32	-498
Jul 1 - 15	0	-48	855	808	404	451	-47
Jul 16 - 31	0	131	180	310	155	25	-22
Aug 1 - 15	0	0	0	0	0	0	-22
Aug 16 - 31	0	-713	611	0	0	611	0
Sep 1 - 15	0	-202	721	519	260	461	0
Sep 16 - 30	0	198	4	202	101	-97	-97
Oct 1 - 15	0	12	0	12	6	-6	-103
Oct 16 - 31	0	85	0	85	42	-42	-145
	-----	-----	-----	-----	-----	-----	-----
Total	0	9396	19708	29206	14602	5106	-145

40

All Quantities are derived from data as published in Appendix B.
 All Quantities in cubic Decametres
 Totals may not add or subtract exactly as a result of rounding.

Approved by: _____ For Canada
 _____ For the United States

**Table 15: Historical Summary of March Through October Computed Natural and Recorded Flow
Frenchman River at International Boundary
(Quantities In Cubic Decametres)**

YEAR	COMPUTED NATURAL FLOW	CANADIAN & U.S.A. SHARES	RECORDED FLOW	YEAR	COMPUTED NATURAL FLOW	CANADIAN & U.S.A. SHARES	RECORDED FLOW
1940	101 400	50 700	84 120	1980	33 440	16 720	17 780
1941	71 120	35 560	57 560	1981	18 140	9 070	8 310
1942	72 190	36 095	52 210	1982	114 700	57 350	82 530
1943	164 700	82 350	147 000	1983	44 230	22 115	22 990
1944	69 630	34 815	50 560	1984	11 920	5 960	5 640
1945	42 630	21 315	28 440	1985	42 500	21 250	22 180
1946	39 800	19 900	26 460	1986	107 000	53 500	74 060
1947	65 090	32 545	43 190	1987	79 590	39 795	59 520
1948	48 950	24 475	31 000	1988	13 510	6 755	6 050
1949	17 680	8 840	8 000	1989	22 760	11 380	12 020
1950	93 280	46 640	73 590	1990	34 430	17 215	19 950
1951	137 500	68 750	110 900	1991	101 500	50 750	72 100
1952	445 200	222 600	433 500	1992	11 100	5 550	5 980
1953	92 360	46 180	71 990	1993	77 310	38 655	49 220
1954	109 700	54 850	92 480	1994	97 860	48 930	76 410
1955	230 300	115 150	210 300	1995	25 130	12 565	12 340
1956	59 650	29 825	41 950	1996	168 900	84 450	134 200
1957	48 050	24 025	32 710	1997	192 000	96 000	166 700
1958	79 380	39 690	64 280	1998	19 530	9 765	9 500
1959	64 040	32 020	41 230	1999	83 560	41 780	59 260
1960	94 050	47 025	75 440	2000	29 260	14 630	14 950
1961	23 060	11 530	11 490	2001	11 810	5 905	6 380
1962	78 090	39 045	48 240	2002	59 740	29 870	37 940
1963	57 730	28 865	41 790	* 2003	65 540	32 770	56 210
1964	25 050	12 525	13 300	2004	71 660	35 830	48 180
1965	132 100	66 050	95 070	* 2005	38 840	19 420	27 790
1966	91 180	45 590	66 470	2006	40 040	20 020	25 080
1967	130 900	65 450	107 600	2007	58 470	29 235	32 280
1968	49 720	24 860	27 010	* 2008	26 050	13 025	12 660
1969	97 920	48 960	71 540	2009	33 850	16 925	17 140
1970	133 400	66 700	102 500	** 2010	71 020	35 510	37 460
1971	57 120	28 560	39 360	2011	241 800	120 900	223 000
1972	45 900	22 950	24 990	2012	47 800	23 900	36 180
1973	27 470	13 735	14 720	2013	96 990	48 495	83 560
1974	104 100	52 050	75 610	2014	133 900	66 950	117 200
1975	92 000	46 000	60 720	2015	63 490	31 745	50 920
1976	90 690	45 345	73 980	2016	60 390	30 195	49 890
1977	12 730	6 365	8 270	2017	118 400	59 200	109 100
1978	67 920	33 960	41 310	2018	81 750	40 875	64 852
1979	108 500	54 250	77 360	2019	97 870	48 935	82 820

Continued...

* Period 16 extended to include Nov. 1-5 data.

** For comparison purposes, totals for Mar 1 to Oct 31 are shown. Additional periods are not included

YEAR	COMPUTED NATURAL FLOW	CANADIAN & U.S.A. SHARES	RECORDED FLOW	YEAR	COMPUTED NATURAL FLOW	CANADIAN & U.S.A. SHARES	RECORDED FLOW
2020	108 520	54 260	93 540				
2021	29 210	14 600	19 710				
AVERAGE 1940-2020	79 370	39 685	60 770				

APPENDIX B

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Joint Review and Approval of Records St. Mary and Milk Rivers

Pursuant to Article V of the International Joint Commission Order of October 4, 1921, the International Gauging Stations listed below have been operated and maintained by the Water Survey of Canada and the United States Geological Survey on a joint basis.

It is hereby certified that the annexed records have been computed in accordance with standard procedures of each country and jointly reviewed and approved on this 1st day of April, 2022.

St. Mary River at International Boundary	05AE027
Lake Sherburne at Sherburne, Montana	05AE036
St. Mary Canal at St. Mary Crossing	05AE029
Milk River at Eastern Crossing of International Boundary	11AA031
Milk River at Western Crossing of International Boundary	11AA025
North Fork Milk River above St. Mary Canal, near Browning, Montana	11AA032
North Milk River near International Boundary	11AA001
Milk River at Milk River, Alberta	11AA005

Field Representative for Canada

Field Representative for the United States

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER
RESOURCES DIVISION

05020500 ST MARY RIVER AT INTERNATIONAL BOUNDARY 05AE027
DISCHARGE, IN CUBIC METERS PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2021
DAILY MEAN VALUES

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	e4.47	e3.77	e2.44	3.54	13.73	48.99	31.71	10.11	6.65	6.68	30.30	16.51
2	e4.22	e3.82	e2.43	2.94	19.09	50.40	31.71	10.11	6.48	6.12	31.15	22.91
3	e4.05	e3.74	e2.51	2.64	23.79	54.65	32.28	10.14	6.09	5.78	29.73	28.88
4	e4.05	e3.65	e2.64	2.51	26.14	62.01	31.71	10.59	6.71	5.35	27.33	34.83
5	e4.11	e3.57	e2.72	3.20	27.16	70.51	30.02	11.19	6.63	5.07	25.17	35.68
6	e3.71	e3.51	e2.75	5.86	28.26	74.47	27.67	11.33	6.48	4.79	23.50	33.70
7	e3.09	e3.51	e2.74	6.71	30.30	69.94	25.77	10.87	6.29	4.53	22.29	e31.43
8	e2.86	e3.54	e2.66	7.48	32.28	60.03	24.38	12.74	6.37	4.30	20.78	29.73
9	e3.06	e3.54	e2.64	7.48	33.41	51.25	22.99	13.59	7.62	4.28	19.03	25.77
10	e3.28	e3.54	e3.00	8.10	33.41	43.89	21.95	13.48	7.73	4.30	18.07	22.57
11	e3.34	e3.54	e3.11	8.44	30.02	38.79	20.33	12.63	7.45	4.11	16.34	21.66
12	e3.60	e3.54	e3.17	8.47	26.82	33.98	19.11	12.18	7.50	3.88	15.35	e19.74
13	e4.05	e3.54	e3.20	8.50	23.05	30.87	18.94	11.95	8.18	3.74	15.26	e18.18
14	e4.25	e3.54	e3.20	8.55	20.59	30.30	20.16	12.01	9.97	3.65	16.11	e16.88
15	e4.30	e3.48	e3.20	8.16	20.50	33.98	20.27	11.61	10.22	3.54	23.87	e15.18
16	e4.36	e3.45	e3.77	8.10	22.17	40.21	19.77	11.07	9.71	3.57	34.26	14.47
17	e4.39	e3.43	4.56	8.07	25.66	43.61	19.09	10.96	9.46	3.40	38.51	e11.75
18	e4.36	e3.37	5.01	7.76	33.98	44.74	18.12	11.72	8.61	3.17	39.64	e8.83
19	e4.19	e3.31	5.80	8.38	40.21	43.32	17.44	11.27	8.24	3.06	37.10	e7.33
20	e3.94	e3.23	6.06	8.24	43.89	44.74	16.14	12.43	7.93	2.97	33.70	e7.22
21	e3.96	e3.14	6.20	8.24	42.48	43.32	14.87	11.72	8.01	2.94	30.30	e7.90
22	e3.94	e3.09	5.89	8.35	37.66	41.63	13.99	11.27	8.01	2.89	27.33	e8.83
23	e3.79	e3.03	5.44	9.17	31.71	40.49	12.26	10.73	7.79	2.97	23.56	e9.29
24	e3.62	e2.97	6.63	9.09	26.90	40.49	11.13	9.40	7.65	2.92	21.55	e9.29
25	e3.60	e2.86	6.60	9.03	26.02	40.49	10.14	8.89	7.65	2.86	20.56	e9.20
26	e3.62	e2.76	6.60	9.29	24.58	38.23	9.26	8.30	7.53	2.92	19.57	e9.06
27	e3.62	e2.64	6.43	9.63	25.68	35.96	8.69	7.65	7.36	2.94	16.68	e8.81
28	e3.65	e2.51	5.38	9.66	33.41	34.83	9.03	7.25	7.19	2.89	16.65	e8.52
29	e3.65	---	5.32	9.43	41.34	33.41	9.32	6.80	7.19	4.45	15.04	e8.10
30	e3.68	---	3.91	9.77	45.02	32.28	9.85	6.26	7.02	12.63	14.44	e7.48
31	e3.71	---	2.51	---	46.72	---	10.14	5.97	---	23.70	---	e6.88
Total	118.5	93.6	128.5	224.8	936.0	1,351.8	588.2	326.2	229.7	150.4	723.2	516.6
Mean	3.82	3.34	4.15	7.49	30.19	45.06	18.98	10.52	7.66	4.85	24.11	16.66
Max	4.47	3.82	6.63	9.77	46.72	74.47	32.28	13.59	10.22	23.70	39.64	35.68
Min	2.86	2.51	2.43	2.51	13.73	30.30	8.69	5.97	6.09	2.86	14.44	6.88
Dam³	10,238	8,087	11,102	19,423	80,870	116,796	50,820	28,184	19,846	12,995	62,484	44,634

e--Estimated

APPROVED BY FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WRD

05015500

LAKE SHERBURNE AT SHERBURNE, MT

05AE036

Month-end gage heights and contents at 2400 hours

Date	Gage height (metres)	Contents (cubic decametres)	Change in Contents (cubic decametres)
Sept. 30, 2020	1458.684	76 794	
Oct. 31, 2020	1453.759	47 081	-29 713
Nov. 30, 2020	1456.673	63 702	+16 621
Dec. 31, 2020	1457.322	67 801	+4 099
		<i>Total 2020 calendar year</i>	<i>+41 844</i>
Jan. 31, 2021	1457.837	71 139	+3 338
Feb. 28, 2021	1458.255	73 902	+2 763
Mar. 31, 2021	1457.938	71 800	-2 102
Apr. 30, 2021	1451.281	35 210	+36 590
May 31, 2021	1452.220	39 551	+4 341
June 30, 2021	1458.340	74 472	+34 921
July 31, 2021	1455.618	57 315	-17 157
Aug. 31, 2021	1448.400	23 082	+34 233
Sept. 30, 2021	1445.807	13 784	-9 298
		<i>Total 2021 water year</i>	<i>-63 010</i>
Oct. 31, 2021	1448.315	22 753	+8 969
Nov. 30, 2021	1453.296	44 757	+22 004
Dec. 31, 2021	1456.112	60 261	+15 504
		<i>Total 2021 calendar year</i>	<i>-7 540</i>

Maximum total contents: 76 856 dam³ at 0815 hrs on July 08 (gage height 1458.694 m).

Minimum total contents: 11 555 dam³ at 0330 hrs on September 16 (gage height 1445.106 m).

APPROVED BY FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

**Daily Discharge Data for ST. MARY CANAL AT ST. MARY CROSSING (05AE029) [AB]**

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	-	-	0.00	6.46	16.9	16.7	16.6	16.5	13.2	0.00	0.00	-
2	-	-	0.00	8.58	17.2	16.7	16.6	16.5	13.2	0.00	0.00	-
3	-	-	0.00	9.40	17.3	16.8	16.6	16.5	13.5	0.00	-	-
4	-	-	0.00	12.5	17.3	16.7	16.6	16.6	13.4	0.00	-	-
5	-	-	0.00	15.6	17.0	16.5	16.6	16.6	13.3	0.00	-	-
6	-	-	0.00	16.6	16.8	16.5	16.5	16.6	13.2	0.00	-	-
7	-	-	0.00	16.7	16.5	16.4	16.4	16.5	13.0	0.00 A	-	-
8	-	-	0.00	16.8	16.6	16.2	16.3	16.7	12.5	0.00	-	-
9	-	-	0.00	16.8	16.6	16.0	16.2	16.7	10.0	0.00	-	-
10	-	-	0.00	16.8	16.6	16.1	16.2	16.7	8.16	0.00	-	-
11	-	-	0.00	16.8	16.5	16.0	16.1	16.6	7.95	0.00	-	-
12	-	-	0.00	16.8	16.3	16.4	16.1	16.5	7.58	0.00	-	-
13	-	-	0.00	16.8	16.2	16.3	16.3	16.5	6.95	0.00	-	-
14	-	-	0.00	16.7	16.4	16.2	16.4	16.5	4.02	0.00	-	-
15	-	-	0.00	16.9	16.3	16.4	16.3	16.4	1.92	0.00	-	-
16	-	-	0.00	16.8	16.3	16.7	16.2	16.3	1.09	0.00	-	-
17	-	-	0.00	16.8	16.4	16.9	16.2	16.4	0.143	0.00	-	-
18	-	-	0.00	16.7	16.6	16.9	16.2	16.2	0.00	0.00	-	-
19	-	-	0.00	16.8	16.5	16.9	16.1	15.5	0.00	0.00	-	-
20	-	-	0.00	16.7	16.7	17.1	16.2	13.5	0.00	0.00	-	-
21	-	-	0.00	16.7	16.4	16.8	16.5	13.4	0.00	0.00	-	-
22	-	-	0.337 A	16.7	16.3	16.5	16.5	13.3	0.00	0.00	-	-
23	-	-	1.82	16.8	16.2	16.5	16.4	13.4	0.00	0.00	-	-
24	-	0.00	0.326	16.8	16.0	16.6	16.3	13.6	0.00	0.00	-	-
25	-	0.00	0.145	16.8	15.8	16.6	16.2	13.5	0.00	0.00	-	-
26	-	0.00	0.142	16.8	15.8	16.5	16.3	13.5	0.00	0.00	-	-
27	-	0.00	0.265	16.8	16.2	16.4	16.5	13.4	0.00	0.00	-	-
28	-	0.00	1.77	16.7	16.5	16.3	16.4	13.4	0.00	0.00	-	-
29	-	-	2.34	16.7	16.5	16.3	16.4	13.4	0.00	0.00	-	-
30	-	-	4.19	16.8	16.6	16.6	16.5	13.3	0.00	0.00	-	-
31	-	-	6.15	-	16.7	-	16.5	13.3	-	0.00	-	-
Mean	-	-	0.564	15.7	16.5	16.5	16.4	15.3	5.10	0.00	-	-
Max	-	-	6.15	16.9	17.3	17.1	16.6	16.7	13.5	0.00	-	-
Min	-	-	0.00	6.46	15.8	16.0	16.1	13.3	0.00	0.00	-	-
Total	-	-	17.5	472	512	496	507	474	153	0.00	-	-
Total Dam ³	-	-	1,510	40,700	44,200	42,800	43,800	40,900	13,200	0.00	-	-

APPROVED BY FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

06133500 NORTH FORK MILK RIVER ABOVE ST. MARY CANAL NEAR BROWNING, MT 11AA032
 DISCHARGE, IN CUBIC METERS PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2021
 DAILY MEAN VALUES

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	---	---	e0.40	0.65	0.88	0.48	0.32	0.26	0.28	0.27	---	---
2	---	---	e0.41	0.87	0.97	0.46	0.31	0.26	0.29	0.27	---	---
3	---	---	e0.42	0.80	0.80	0.44	0.30	0.26	0.31	0.27	---	---
4	---	---	e0.42	0.78	0.68	0.42	0.31	0.27	0.29	0.27	---	---
5	---	---	e0.43	0.90	0.67	0.40	0.32	0.28	0.28	0.27	---	---
6	---	---	e0.43	0.74	0.63	0.39	0.35	0.28	0.26	0.27	---	---
7	---	---	e0.43	0.67	0.65	0.39	0.34	0.26	0.26	0.27	---	---
8	---	---	e0.42	0.66	0.67	0.41	0.36	0.39	0.26	0.28	---	---
9	---	---	e0.42	0.62	0.87	0.45	0.35	0.71	0.26	0.28	---	---
10	---	---	e0.41	0.58	0.77	0.47	0.37	0.37	0.26	0.28	---	---
11	---	---	e0.41	0.57	0.63	0.44	0.33	0.31	0.30	0.28	---	---
12	---	---	e0.43	0.56	0.62	0.42	0.33	0.30	0.32	0.28	---	---
13	---	---	e0.46	0.52	0.59	0.40	0.32	0.29	0.29	0.29	---	---
14	---	---	e0.48	0.52	0.58	0.38	0.31	0.28	0.29	0.29	---	---
15	---	---	e0.48	0.50	0.55	0.37	0.30	0.27	0.27	0.29	---	---
16	---	---	e0.48	0.52	0.53	0.36	0.29	0.27	0.27	0.29	---	---
17	---	---	e0.48	0.55	0.51	0.36	0.29	0.30	0.28	0.28	---	---
18	---	---	e0.47	0.61	0.49	0.36	0.29	0.42	0.28	0.28	---	---
19	---	---	e0.45	0.57	0.48	0.37	0.30	0.35	0.28	0.29	---	---
20	---	---	e0.42	0.56	0.61	0.75	0.33	0.34	0.28	0.29	---	---
21	---	---	e0.34	0.59	0.59	0.51	0.31	0.35	0.28	0.29	---	---
22	---	---	e0.21	0.64	0.65	0.41	0.29	0.36	0.28	0.29	---	---
23	---	---	e0.26	0.59	0.87	0.37	0.27	0.31	0.28	0.31	---	---
24	---	---	e0.28	0.61	1.06	0.38	0.27	0.30	0.28	0.30	---	---
25	---	---	e0.29	0.62	1.87	0.41	0.27	0.29	0.27	0.29	---	---
26	---	---	e0.40	0.65	0.93	0.38	0.27	0.29	0.27	0.28	---	---
27	---	---	0.50	0.76	0.74	0.36	0.27	0.28	0.26	0.28	---	---
28	---	e0.39	0.66	0.71	0.63	0.35	0.28	0.30	0.26	0.28	---	---
29	---	---	0.78	0.78	0.57	0.34	0.27	0.30	0.27	0.38	---	---
30	---	---	0.58	0.84	0.53	0.33	0.26	0.30	0.26	0.40	---	---
31	---	---	0.54	---	0.50	---	0.27	0.29	---	e0.22	---	---
Total	---	0.4	13.6	19.5	22.1	12.4	9.5	9.8	8.3	8.9	---	---
Mean	---	0.39	0.44	0.65	0.71	0.41	0.30	0.32	0.28	0.29	---	---
Max	---	0.39	0.78	0.90	1.87	0.75	0.37	0.71	0.32	0.40	---	---
Min	---	0.39	0.21	0.50	0.48	0.33	0.26	0.26	0.26	0.22	---	---
Dam³	---	35	1,175	1,685	1,909	1,071	821	847	717	769	---	---

e--Estimated

APPROVED BY FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

**Daily Discharge Data for MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY (11AA025) [AB]**

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	-	-	0.321 B	1.51 B	3.07	2.58	0.374	0.00	0.030	0.00	-	-
2	-	-	0.313 B	2.03 B	3.63	2.23	0.256	0.00	0.022	0.00	-	-
3	-	-	0.589 B	2.94	4.26	1.97	0.192	0.030	0.018	0.00	-	-
4	-	-	1.05 B	3.11	4.28	1.76	0.119	0.016	0.011	0.00	-	-
5	-	-	1.19 B	3.31	3.59	1.57	0.122	0.011	0.006	0.00	-	-
6	-	-	1.25 B	3.56	2.96	1.42	0.160	0.007	0.004	0.00	-	-
7	-	-	1.27 B	3.61	2.77	1.28	0.143	0.004	0.002	0.00	-	-
8	-	-	1.29 B	3.04	2.60	1.25	0.135	0.006	0.001	0.00	-	-
9	-	-	1.31 B	2.76	2.81	1.36	0.132	0.074	0.00	0.00	-	-
10	-	-	1.33 B	2.60	3.38	1.47	0.105	0.121	0.00	0.00	-	-
11	-	-	1.36 B	2.38	3.46	1.64	0.067	0.049	0.001	0.00	-	-
12	-	-	1.40 B	2.06	2.98	1.77	0.079	0.026	0.001	0.00	-	-
13	-	-	1.43 B	1.88	2.54	1.53	0.126	0.019	0.005	0.00	-	-
14	-	-	1.57 B	1.68	2.44	1.24	0.133	0.011	0.004	0.00	-	-
15	-	-	1.65 B	1.51	2.29	1.08	0.091	0.006	0.002	0.00	-	-
16	-	-	1.72 B	1.37	2.08	0.981	0.064	0.002	0.001	0.00	-	-
17	-	-	1.94 B	1.32	1.92	0.790	0.040	0.001	0.00	0.00	-	-
18	-	-	1.98 B	1.50	1.76	0.681	0.020	0.005	0.00	0.00	-	-
19	-	-	2.29 B	1.81	1.60	0.632	0.014	0.003	0.00	0.00	-	-
20	-	-	2.66 B	2.08	1.93	0.676	0.011	0.007	0.00	0.00	-	-
21	-	-	2.48 B	1.98	2.09	0.827	0.015	0.010	0.00	0.00 A	-	-
22	-	-	2.21 B	2.09	2.72	1.19	0.036	0.009	0.00	0.00	-	-
23	-	-	1.96 B	2.27	3.43	1.34	0.059	0.008	0.00	0.003	-	-
24	-	-	1.79 B	2.50	5.09	1.03	0.033	0.006	0.00	0.009	-	-
25	-	-	1.38 B	2.60	8.51	0.766	0.016	0.004	0.00	0.010	-	-
26	-	-	1.29 B	2.51	10.9	0.647	0.008	0.002	0.00	0.009	-	-
27	-	-	1.33	2.49	7.72	0.626	0.003	0.012	0.00	0.008	-	-
28	-	-	1.35	2.54	5.91	0.580	0.001	0.094	0.00	0.042	-	-
29	-	-	2.18	2.56	4.41	0.500	0.00	0.071	0.00	0.184	-	-
30	-	-	1.94 B	2.61	3.66	0.442	0.00	0.048	0.00	0.314	-	-
31	-	-	1.64 B	-	3.07	-	0.00	0.040	-	0.172 B	-	-
Mean	-	-	1.53	2.34	3.67	1.20	0.082	0.023	0.004	0.024	-	-
Max	-	-	2.66	3.61	10.9	2.58	0.374	0.121	0.030	0.314	-	-
Min	-	-	0.313	1.32	1.60	0.442	0.00	0.00	0.00	0.00	-	-
Total	-	-	47.5	70.2	114	35.9	2.55	0.702	0.108	0.751	-	-
Total Dam³	-	-	4,100	6,070	9,840	3,100	221	60.7	9.33	64.9	-	-

APPROVED BY FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

06135000 MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY 11AA031
 DISCHARGE, IN CUBIC METERS PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2021
 DAILY MEAN VALUES

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	---	---	e0.71	4.70	20.76	22.48	13.56	13.85	12.43	1.21	---	---
2	---	---	e0.82	5.21	23.05	22.48	13.11	13.56	12.12	1.15	---	---
3	---	---	e0.93	4.90	23.56	22.48	13.03	13.88	11.89	1.06	---	---
4	---	---	e1.08	6.43	24.10	22.12	13.17	14.47	11.92	0.98	---	---
5	---	---	e1.18	9.40	24.78	20.42	13.28	14.72	12.03	0.92	---	---
6	---	---	e1.91	11.92	25.37	19.57	13.56	14.41	11.95	0.84	---	---
7	---	---	e2.60	14.98	e25.03	19.11	13.37	13.88	12.06	0.79	---	---
8	---	---	e3.37	16.62	e24.07	18.94	13.56	14.44	12.37	0.78	---	---
9	---	---	e3.62	22.09	e21.75	18.80	15.89	15.43	12.46	0.76	---	---
10	---	---	e3.94	24.75	e20.22	18.77	14.22	15.83	12.26	0.74	---	---
11	---	---	e4.62	23.30	18.21	18.77	13.28	17.24	12.18	0.69	---	---
12	---	---	e5.27	20.98	16.65	18.52	13.00	16.65	12.49	0.71	---	---
13	---	---	e7.42	19.96	19.48	18.29	13.65	16.03	12.20	0.70	---	---
14	---	---	e10.17	20.27	20.42	16.71	14.36	14.98	10.28	0.67	---	---
15	---	---	e7.48	19.85	21.21	16.45	14.58	14.78	8.64	0.64	---	---
16	---	---	e6.63	18.52	21.49	15.86	14.33	14.22	7.99	0.63	---	---
17	---	---	e6.31	18.72	20.56	15.26	14.53	14.55	7.62	0.63	---	---
18	---	---	6.09	20.87	20.76	14.02	14.78	15.55	7.39	0.60	---	---
19	---	---	6.63	21.32	21.55	13.76	14.98	15.72	6.57	0.59	---	---
20	---	---	7.76	20.25	22.29	14.44	14.89	15.97	5.32	0.57	---	---
21	---	---	7.45	20.53	24.47	14.53	14.84	16.17	4.22	0.59	---	---
22	---	---	7.36	20.90	25.32	15.15	14.70	16.03	3.57	0.60	---	---
23	---	---	7.42	e21.97	22.80	15.49	14.61	15.63	2.94	0.60	---	---
24	---	---	7.08	e21.52	20.53	15.74	14.22	14.33	2.56	0.59	---	---
25	---	---	6.14	e20.98	20.81	15.38	14.10	13.11	2.24	0.58	---	---
26	---	---	5.69	20.76	23.36	15.09	14.22	12.43	2.02	0.60	---	---
27	---	---	4.79	21.32	25.43	14.72	14.07	12.29	1.85	0.58	---	---
28	---	---	4.33	21.41	29.17	14.13	13.99	12.57	1.63	0.55	---	---
29	---	---	e3.99	20.81	26.56	13.71	14.16	12.74	1.45	0.58	---	---
30	---	---	e3.60	20.39	24.44	13.62	14.05	12.46	1.34	0.68	---	---
31	---	---	e3.20	---	23.87	---	14.05	12.66	---	e0.50	---	---
Total	---	---	149.6	535.6	702.1	514.8	436.1	450.6	236.0	22.1	---	---
Mean	---	---	4.83	17.85	22.65	17.16	14.07	14.53	7.87	0.71	---	---
Max	---	---	10.17	24.75	29.17	22.48	15.89	17.24	12.49	1.21	---	---
Min	---	---	0.71	4.70	16.65	13.62	13.00	12.29	1.34	0.50	---	---
Dam³	---	---	12,925	46,276	60,661	44,479	37,679	38,932	20,390	1,909	---	---

e--Estimated

APPROVED BY FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA



Daily Discharge Data for NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY (11AA001) [AB]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	-	-	0.469 B	7.55 B	17.7	17.4	16.9	16.6	13.5	0.273	-	-
2	-	-	0.467 B	8.60	18.1	17.3	16.9	16.7	13.4	0.278	-	-
3	-	-	0.490 B	10.0	18.2	17.3	16.8	16.6	13.6	0.272	-	-
4	-	-	0.527 B	11.3	18.2	17.3	16.9	16.7	13.7	0.273	-	-
5	-	-	0.588 B	14.1	18.0	17.2	17.1	16.7	13.6	0.280	-	-
6	-	-	0.624 B	16.4	17.6	16.9	17.0	16.7	13.5	0.279	-	-
7	-	-	0.690 B	17.1	17.6	17.0	16.8	16.6	13.4	0.281	-	-
8	-	-	0.661 B	17.1	17.4	16.8	16.8	17.2	13.4	0.288	-	-
9	-	-	0.552 B	17.5	17.9	16.8	16.6	18.0	12.5	0.295	-	-
10	-	-	0.531 B	17.4	17.7	16.7	16.5	17.0	10.4	0.292	-	-
11	-	-	0.505 B	17.4	17.4	16.6	16.4	16.7	9.27	0.293	-	-
12	-	-	0.492 B	17.4	17.3	16.7	16.3	16.7	8.82	0.299	-	-
13	-	-	0.500 B	17.4	17.0	16.8	16.3	16.7	8.41	0.305	-	-
14	-	-	0.563 B	17.4	17.1	16.7	16.4	16.6	7.55	0.306	-	-
15	-	-	0.719 B	17.3	17.1	16.7	16.5	16.5	5.06	0.307	-	-
16	-	-	0.654 B	17.4	17.0	16.9	16.4	16.4	2.89	0.298	-	-
17	-	-	0.665 B	17.5	17.1	17.1	16.3	16.6	1.96	0.297	-	-
18	-	-	0.709 B	17.6	17.3	17.3	16.3	16.8	1.08	0.301	-	-
19	-	-	0.724 B	17.6	17.0	17.4	16.3	16.4	0.636	0.307	-	-
20	-	-	0.724 B	17.4	17.9	18.1	16.4	15.3	0.527	0.311	-	-
21	-	-	0.680 B	17.5	17.6	17.8	16.5	14.0	0.377	0.310	-	-
22	-	-	0.473 B	17.6	17.5	17.3	16.7	13.8	0.316	0.312	-	-
23	-	-	0.493 B	17.5	17.9	16.9	16.5	13.5	0.306	0.356	-	-
24	-	-	0.518 B	17.6	18.1	17.0	16.4	13.6	0.303	0.337	-	-
25	-	-	0.528 B	17.7	19.4	17.0	16.4	13.7	0.299	0.322	-	-
26	-	-	0.806 B	17.7	17.3	17.0	16.3	13.7	0.276	0.314	-	-
27	-	-	1.08 B	17.8	17.1	16.9	16.4	13.7	0.266	0.307	-	-
28	-	-	1.47	17.6	17.4	16.7	16.6	13.7	0.269	0.307	-	-
29	-	-	2.31 B	17.6	17.0	16.6	16.6	13.6	0.271	0.417	-	-
30	-	-	3.24 B	17.8	17.3	16.7	16.5	13.5	0.274	0.530	-	-
31	-	-	5.55 B	-	17.4	-	16.6	13.5	-	0.418 B	-	-
Mean	-	-	0.936	16.3	17.6	17.0	16.6	15.6	6.01	0.315	-	-
Max	-	-	5.55	17.8	19.4	18.1	17.1	18.0	13.7	0.530	-	-
Min	-	-	0.467	7.55	17.0	16.6	16.3	13.5	0.266	0.272	-	-
Total	-	-	29.0	488	545	511	513	484	180	9.77	-	-
Total Dam ³	-	-	2,510	42,200	47,100	44,100	44,400	41,800	15,600	844	-	-

APPROVED BY FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

**Daily Discharge Data for MILK RIVER AT MILK RIVER (11AA005) [AB]**

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.41 B	0.693 B	0.778 B	7.26	20.6	20.1	16.4 E	15.9	12.9	0.471	0.489 B	1.09
2	1.36 B	0.672 B	0.817 B	9.32	21.0	19.6	16.5 E	16.1	12.9	0.451	0.495 B	0.954
3	1.40 B	0.611 B	1.16 B	10.7	21.8	19.1	16.4 E	16.3	12.9	0.431	0.406 B	0.767
4	1.42 B	0.555 B	1.61 B	12.8	22.3	18.8	16.5 E	16.1	13.1	0.416	1.40 B	0.812 B
5	1.43 B	0.510 B	2.00 B	14.4	22.1	18.4	16.5 E	16.6	13.2	0.400	1.52 B	0.301 B
6	1.47 B	0.472 B	2.25 B	17.4	21.1	17.9	17.3 E	16.2	13.1	0.392	1.32	0.291 B
7	1.46 B	0.443 B	2.42 B	20.0	20.5	17.6	16.7 E	16.0	13.0	0.334	1.21 B	0.378 B
8	1.43 B	0.409 B	2.59 B	20.5	20.3	17.6	16.5 A	16.6	12.8	0.332	0.642 B	0.475 B
9	1.40 B	0.386 B	2.80 B	20.2	20.2	17.7	16.1	17.9	12.7	0.350	0.572 B	0.377 B
10	1.42 B	0.375 B	2.61 B	20.2	20.9	17.9	16.0	17.5	12.0	0.341	0.835 B	0.317 B
11	1.45 B	0.369 B	2.76 B	20.0	21.0	17.7	16.2	16.6	10.5	0.401	0.654 B	0.376 B
12	1.46 B	0.368 B	3.33 B	19.7	20.6	17.5	16.3	16.2	8.91	0.403	0.786 B	0.473 B
13	1.45 B	0.369 B	3.95 B	19.5	20.0	17.7	16.0	16.0	8.36	0.440	0.887 B	0.477 B
14	1.43 B	0.380 B	4.37 B	19.4	19.4	17.5	16.1	16.2	7.90	0.438	1.18 B	0.434 B
15	1.43 B	0.411 B	5.83 B	19.2	19.2	17.0	16.1	16.1	7.27	0.434	1.33	0.398 B
16	1.45 B	0.450 B	7.51 B	19.1	19.1	16.6	16.1	15.9	5.60	0.403	1.13 B	0.378 B
17	1.44 B	0.487 B	5.86 B	19.1	18.7	16.7	16.0	16.0	3.72	0.362	0.637 B	0.376 B
18	1.38 B	0.537 B	6.42 B	19.1	18.4	16.9	15.9	16.7	2.66	0.407	0.557 B	0.417 B
19	1.26 B	0.587 B	7.25 B	19.3	18.5	17.1	16.1	16.6	2.03	0.432	0.579 B	0.449 B
20	1.15 B	0.630 B	7.13 B	19.6	19.6	17.6	16.2	16.2	1.57	0.431	0.595 B	0.445 B
21	1.03 B	0.683 B	6.45 B	19.6	20.1	17.9	16.2	15.2	1.22	0.453	0.821 B	0.424 B
22	0.929 B	0.725 B	5.80 B	19.6	20.2	17.4	16.3	13.9	1.00	0.444	0.914 B	0.413 B
23	0.824 B	0.760 B	5.45	19.9	21.1	17.2	16.2	13.4	0.899	0.493	0.879 B	0.443 B
24	0.743 B	0.770 B	4.52	20.3	22.7	17.1	16.1	13.2	0.789	0.496	0.894 B	0.443 B
25	0.666 B	0.754 B	4.31	20.8	25.8	16.9	16.0	13.2	0.718	0.495	0.826 B	0.373 B
26	0.625 B	0.743 B	3.32	20.6	30.6	16.7	16.0	13.4	0.641	0.503	0.759 B	0.205 B
27	0.601 B	0.745 B	3.17	20.4	27.2	16.5 A	15.8	13.4	0.586	0.503	0.669 B	0.106 B
28	0.587 B	0.757 B	3.37	20.4	24.1	16.4 E	16.1	13.4	0.551	0.457	1.23 B	0.071 B
29	0.577 B	-	3.68 B	20.5	22.5	16.3 E	16.2	13.2	0.512	0.547	1.16	0.056 B
30	0.590 B	-	4.10 B	20.5	21.1	16.2 E	16.1	13.1	0.487	0.673	1.14	0.055 B
31	0.651 B	-	5.69 B	-	20.7	-	16.0	13.0	-	0.456 B	-	0.062 B
Mean	1.16	0.559	3.98	18.3	21.3	17.5	16.2	15.4	6.48	0.438	0.884	0.408
Max	1.47	0.770	7.51	20.8	30.6	20.1	17.3	17.9	13.2	0.673	1.52	1.09
Min	0.577	0.368	0.778	7.26	18.4	16.2	15.8	13.0	0.487	0.332	0.406	0.055
Total	35.9	15.7	123	549	661	526	503	476	195	13.6	26.5	12.6
Total Dam³	3,100	1,350	10,700	47,500	57,100	45,400	43,500	41,100	16,800	1,170	2,290	1,090

APPROVED BY FIELD REPRESENTATIVES OF THE UNITED STATES AND CANADA

Joint Review and Approval of Records Eastern Tributaries

Pursuant to Article V of the International Joint Commission Order of October 4, 1921, the International Gauging Stations listed below have been operated and maintained by the Water Survey of Canada and the United States Geological Survey on a joint basis.

It is hereby certified that the annexed records have been computed in accordance with standard procedures of each country and jointly reviewed and approved on this 1st day of April, 2022.

Lodge Creek below McRae Creek at International Boundary	11AB083
Middle Creek near Saskatchewan Boundary	11AB009
Middle Creek below Middle Creek Reservoir	11AB001
Middle Creek above Lodge Creek	11AB008
Middle Creek near Govenlock	11AB108
Altawan Reservoir near Govenlock	11AB089
Spangler Ditch near Govenlock	11AB060
Battle Creek at International Boundary	11AB027
Gaff Ditch near Merryflat	11AB102
Cypress Lake West Inflow Canal	11AB078
Cypress Lake West Inflow Canal Drain	11AB085
Cypress Lake West Outflow Canal	11AB077
Vidora Ditch near Consul	11AB084
Richardson Ditch near Consul	11AB058
McKinnon Ditch near Consul	11AB044
Nashlyn Canal near Consul	11AB018
Frenchman River at International Boundary	11AC041
Belanger Creek Diversion to Cypress Lake	11AC064
Cypress Lake	11AC037
Cypress Lake East Outflow Canal	11AC060
Eastend Reservoir	11AC055
Eastend Canal near Eastend	11AC052
Huff Lake	11AC063
Huff Lake Gravity Canal	11AC065
Huff Lake Pumping Canal	11AC066
Newton Lake	11AC056
Newton Lake Main Canal	11AC054

Field Representative for Canada

Field Representative for the United States

**Daily Discharge Data for LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY (11AB083) [SK]**

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.401	0.225 A	1.34	0.015	0.00	0.00	0.00	0.00 A	0.00
2	0.00	0.00	0.00	0.398	0.205 A	1.12	0.010	0.00	0.00	0.00	0.00 A	0.00
3	0.00	0.00	0.00	0.399	0.232 A	0.705	0.008	0.00	0.00	0.00	0.00 A	0.00
4	0.00	0.00	0.001	0.328	0.236 A	0.455	0.006	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.094	0.593	0.238	0.290	0.004	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.240	1.98	0.173	0.207	0.004	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.338	2.62	0.297	0.151	0.004	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.868	2.73	0.391	0.115	0.003	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	1.03	2.47	0.368 E	0.093	0.003	0.00	0.00	0.00	0.00 A	0.00
10	0.00	0.00	1.04	2.07 A	0.357 E	0.195	0.003	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.939	1.98 A	0.348 E	0.276	0.002	0.00	0.00	0.00	0.00 A	0.00
12	0.00	0.00	0.581	1.65 E	0.331 E	0.280	0.002	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	1.24	1.37 A	0.313 E	0.249	0.001	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	2.00 B	1.16	0.302 E	0.224	0.001	0.00	0.00	0.00	0.00 A	0.00
15	0.00	0.00	8.99	0.957	0.291 E	0.195	0.001	0.004	0.00	0.00	0.00	0.00
16	0.00	0.00	5.48	0.806	0.276 E	0.155	0.001	0.008	0.00	0.00	0.00	0.00
17	0.00	0.00	8.14	0.686	0.253 E	0.121	0.001	0.005	0.00	0.00	0.00 A	0.00
18	0.00	0.00	6.91	0.595	0.213 E	0.080	0.00	0.005	0.00	0.00	0.00	0.00
19	0.00	0.00	4.18	0.521	0.163 A	0.056	0.00	0.005	0.00	0.00	0.00	0.00
20	0.00	0.00	3.11	0.473	0.158	0.040	0.00	0.005	0.00	0.00	0.00	0.00
21	0.00	0.00	3.22	0.498	0.205	0.029	0.00	0.004	0.00	0.00	0.00	0.00
22	0.00	0.00	3.12	0.349	0.286	0.021	0.00	0.004	0.00	0.00	0.00 A	0.00
23	0.00	0.00	2.65	0.344	0.295	0.015	0.00	0.003	0.00	0.00	0.00 A	0.00
24	0.00	0.00	2.24	0.469 A	0.292	0.012	0.00	0.003	0.00	0.00	0.00	0.00
25	0.00	0.00	1.72	0.338	1.24	0.011	0.00	0.002	0.00	0.00	0.00 A	0.00
26	0.00	0.00	1.37	0.309	1.47	0.009	0.00	0.002	0.00	0.00	0.00	0.00
27	0.00	0.00	1.01	0.299 A	1.55	0.054	0.00	0.001	0.00	0.00	0.00 A	0.00
28	0.00	0.00	0.807	0.305 E	3.83	0.061	0.00	0.001	0.00	0.00	0.00 A	0.00
29	0.00	-	0.688	0.286 E	3.08	0.041	0.00	0.001	0.00	0.00	0.00 A	0.00
30	0.00	-	0.394 B	0.262 E	2.25	0.024	0.00	0.001	0.00	0.00	0.00 A	0.00
31	0.00	-	0.373 B	-	1.70	-	0.00	0.001	-	0.00	-	0.00
Mean	0.00	0.00	2.02	0.922	0.696	0.221	0.002	0.002	0.00	0.00	0.00	0.00
Max	0.00	0.00	8.99	2.73	3.83	1.34	0.015	0.008	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.262	0.158	0.009	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	62.8	27.6	21.6	6.62	0.069	0.055	0.00	0.00	0.00	0.00
Total Dam³	0.00	0.00	5,420	2,390	1,860	572	5.96	4.75	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES

**STORAGE FACTORS AND EVAPORATION LOSSES
2021**

MICHEL RESERVOIR

11AB091

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman Evap. Adjusted for Elevation (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	1102.141	2 348	0	0	834	835	1
2	1102.490	2 357	0	0	835	920	85
3	1102.529	2 405	0	0	920	930	10
4	1102.482	2 480	0.015	4	930	918	-8
5	1102.495	2 498	0.035	9	918	921	12
6	1102.522	2 470	0.026	6	921	928	13
7	1102.441	2 460	0.081	20	928	907	-1
8	1102.365	2 449	0.096	23	907	889	5
9	1102.267	2 440	0.097	24	889	865	0
10	1102.173	2 430	0.088	21	865	843	-1
11	1102.115	2 410	0.053	13	843	829	-1
12	1102.065	2 382	0.039	9	829	817	-3
13	1102.019	2 370	0.057	13	817	807	3
14	1101.958	2 360	0.035	8	807	792	-7
15	1101.896	2 350	0.035	8	792	778	-6
16	1101.861	2 340	0.019	4	778	770	-4

**STORAGE FACTORS AND EVAPORATION LOSSES
2021**

GREASEWOOD RESERVOIR

11AB092

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman Evap. Adjusted for Elevation (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	28.634	319	0	0	52	57	5
2	30.161	463	0	0	57	139	82
3	30.183	610	0	0	139	142	3
4	30.165	611	0.015	1	142	140	-1
5	30.219	615	0.035	2	140	146	8
6	30.252	624	0.026	2	146	150	6
7	30.175	619	0.081	5	150	141	-4
8	30.087	602	0.096	6	141	130	-5
9	29.005	487	0.097	5	130	70	-55
10	27.845	304	0.088	3	70	35	-32
11	27.830	238	0.053	1	35	35	1
12	27.829	237	0.039	1	35	35	1
13	27.837	237	0.057	1	35	35	1
14	27.857	239	0.035	1	35	35	1
15	27.855	240	0.035	1	35	35	1
16	27.901	243	0.019	0	35	37	2

STORAGE FACTORS AND EVAPORATION LOSSES
2021

MASSY RESERVOIR

11AB104

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman Evap. Adjusted for Elevation (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	25.663	44	0	0	0	11	11
2	28.905	715	0	0	11	224	213
3	28.936	1293	0	0	224	227	3
4	28.903	1291	0.015	2	227	223	-2
5	28.969	1310	0.035	5	223	230	12
6	29.010	1371	0.026	4	230	234	8
7	28.886	1324	0.081	11	234	222	-1
8	28.203	1002	0.096	10	222	155	-57
9	27.813	845	0.097	8	155	122	-25
10	27.690	810	0.088	7	122	112	-3
11	27.636	797	0.053	4	112	108	0
12	27.589	789	0.039	3	108	104	-1
13	27.413	772	0.057	4	104	91	-9
14	27.339	744	0.035	3	91	86	-2
15	27.279	723	0.035	3	86	81	-2
16	27.245	708	0.019	1	81	79	-1

The zero capacity water level is set on the current use table (No. 1) at 23.774 m.
Based on observations on July 11, 2001, it is estimated that the zero capacity WL is approx. 24.300 m.
All periods below 24.300 m will be treated as zero capacity.
Stage-capacity Table No. 1 was extended from 29.260 m (262 dam³) to 29.300 m (270 dam³).
Stage-area Table No. 1 was extended from 28.950 m (1 326 dam²) to 29.300m (1 711 dam²).

**STORAGE FACTORS AND EVAPORATION LOSSES
2021**

BARE CREEK RESERVOIR

11AB094

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman Evap. Adjusted for Elevation (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	1136.765	4 579	0	0	1775	1776	1
2	1137.538	4 960	0	0	1776	2155	379
3	1137.586	5 443	0	0	2155	2180	25
4	1137.511	5 427	0.015	8	2180	2141	-31
5	1137.530	5 394	0.035	19	2141	2151	29
6	1137.614	5 454	0.026	14	2151	2195	58
7	1137.474	5 422	0.081	44	2195	2122	-29
8	1137.389	5 289	0.096	51	2122	2078	7
9	1137.314	5 195	0.097	51	2078	2039	12
10	1137.232	5 103	0.088	45	2039	1996	2
11	1137.172	5 020	0.053	27	1996	1965	-4
12	1136.692	4 734	0.039	19	1965	1744	-202
13	1136.309	4 337	0.057	25	1744	1574	-145
14	1136.255	4 136	0.035	14	1574	1550	-10
15	1136.194	4 083	0.035	14	1550	1523	-13
16	1136.158	4 038	0.019	8	1523	1507	-8

**STORAGE FACTORS AND EVAPORATION LOSSES
2021**

CRESSDAY RESERVOIR

11AB097

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	963.698	3 817	0	0	351	477	126
2	964.037	5 173	0	0	477	651	174
3	963.994	5 606	0	0	651	628	-23
4	963.956	5 485	0.023	13	628	608	-7
5	963.924	5 380	0.045	24	608	590	6
6	964.033	5 495	0.037	20	590	649	79
7	963.945	5 527	0.096	53	649	601	5
8	963.846	5 247	0.116	61	601	549	9
9	963.742	4 940	0.114	56	549	497	4
10	963.641	4 476	0.098	44	497	451	-2
11	963.566	4 077	0.070	29	451	417	-5
12	963.510	3 804	0.048	18	417	395	-4
13	963.445	3 665	0.065	24	395	371	0
14	963.382	3 527	0.042	15	371	348	-8
15	963.326	3 392	0.038	13	348	327	-8
16	963.290	3 294	0.023	7	327	315	-5

Stage-capacity table No. 4 and stage-area table No. 5 used in 2021 computations.

**STORAGE FACTORS AND EVAPORATION LOSSES
2021**

MITCHELL RESERVOIR

11AB099

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman Evap. Adjusted for Elevation (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	33.795	3360	0	0	396	394	-2
2	34.094	3613	0	0	394	503	109
3	34.583	4573	0	0	503	728	225
4	34.397	5050	0.019	10	728	633	-85
5	34.467	4865	0.035	17	633	666	50
6	34.711	5365	0.027	15	666	797	146
7	34.323	5135	0.081	41	797	601	-155
8	34.233	4384	0.097	43	601	562	4
9	34.125	4074	0.096	39	562	514	-9
10	34.023	3836	0.083	32	514	476	-6
11	33.954	3688	0.057	21	476	451	-4
12	33.893	3576	0.039	14	451	428	-9
13	33.835	3474	0.055	19	428	407	-2
14	33.752	3352	0.035	12	407	380	-15
15	33.640	3184	0.033	10	380	344	-26
16	33.600	3053	0.019	6	344	331	-7



Daily Discharge Data for MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY (11AB009) [AB]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	-	-	0.010 B	0.032	0.029	0.062	0.016	0.016	0.008	0.018	0.013	-
2	-	-	0.007 B	0.041	0.029	0.044	0.015	0.016	0.008	0.018	0.016	-
3	-	-	0.013 B	0.130	0.029	0.033	0.016	0.016	0.007	0.018	-	-
4	-	-	0.013 B	1.06	0.030	0.027	0.018	0.014	0.007	0.016	-	-
5	-	-	0.015 B	1.31	0.030	0.023	0.017	0.012	0.007	0.016	-	-
6	-	-	0.017 B	1.52	0.035	0.020	0.018	0.011	0.007	0.017	-	-
7	-	-	0.022 B	1.20	0.041	0.019	0.019	0.011	0.006	0.018	-	-
8	-	-	0.025 B	1.25	0.044	0.018	0.019	0.010	0.006	0.019	-	-
9	-	-	0.025 B	1.50	0.067	0.018	0.020	0.008	0.005	0.018	-	-
10	-	-	0.029 B	0.926	1.07	0.019	0.021	0.010	0.005	0.019	-	-
11	-	-	0.024 B	0.641	0.535	0.019	0.020	0.009	0.005	0.017	-	-
12	-	-	0.023 B	0.474	0.217	0.021	0.018	0.008	0.006	0.016	-	-
13	-	-	0.033 B	0.263	0.081	0.031	0.018	0.009	0.005	0.017	-	-
14	-	-	0.139 B	0.111	0.053	0.034	0.017	0.008	0.007	0.017	-	-
15	-	-	0.157 B	0.067	0.039	0.024	0.017	0.008	0.006	0.017	-	-
16	-	-	0.070 B	0.051	0.030	0.018	0.017	0.008	0.008	0.017	-	-
17	-	-	0.546 B	0.043	0.029	0.016	0.018	0.009	0.008	0.016	-	-
18	-	-	0.578 B	0.040	0.033	0.016	0.017	0.007	0.009	0.017	-	-
19	-	-	0.554 B	0.037	0.027	0.016	0.017	0.007	0.008	0.017	-	-
20	-	-	0.897 B	0.070	0.024	0.017	0.018	0.008	0.009	0.016	-	-
21	-	-	0.924 B	0.074	0.022	0.017	0.021	0.008	0.009	0.016	-	-
22	-	-	0.571 B	0.061	0.023	0.017	0.023	0.009	0.009	0.017	-	-
23	-	-	0.416 B	0.045	0.029	0.017	0.023	0.009	0.010	0.017	-	-
24	-	0.010 B	0.121 B	0.039	0.043	0.018	0.020	0.008	0.011	0.017	-	-
25	-	0.010 B	0.053	0.036	0.792	0.019	0.019	0.009	0.013	0.017	-	-
26	-	0.010 B	0.037	0.034	2.89	0.019	0.018	0.008	0.015	0.015	-	-
27	-	0.010 B	0.034	0.033	1.64	0.019	0.019	0.009	0.015	0.012	-	-
28	-	0.010 B	0.028	0.032	0.795	0.018	0.020	0.010	0.017	0.010	-	-
29	-	-	0.029	0.031	0.427	0.018	0.019	0.009	0.018	0.011	-	-
30	-	-	0.016	0.031	0.212	0.017	0.018	0.009	0.018	0.011	-	-
31	-	-	0.020	-	0.099	-	0.017	0.009	-	0.011	-	-
Mean	-	-	0.176	0.373	0.305	0.022	0.018	0.010	0.009	0.016	-	-
Max	-	-	0.924	1.52	2.89	0.062	0.023	0.016	0.018	0.019	-	-
Min	-	-	0.007	0.031	0.022	0.016	0.015	0.007	0.005	0.010	-	-
Total	-	-	5.45	11.2	9.44	0.674	0.573	0.302	0.272	0.498	-	-
Total Dam³	-	-	471	966	816	58.2	49.5	26.1	23.5	43.0	-	-

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES

Daily Discharge Data for MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR (11AB001) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.033	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.024	0.00	0.011	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.015	0.00	0.118	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.012	0.00	0.100	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.005	0.00	0.163	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.002	0.00	0.250	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.156	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.080	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.118	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.051	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.033	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.029	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.046	0.00	0.00	0.026	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.109	0.00	0.00	0.033	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.117	0.00	0.00	0.052	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.079	0.00	0.00	0.060	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.074	0.00	0.018	0.056	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.068	0.00	0.029	0.051	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.046	0.00	0.031	0.057	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.024	0.00	0.942	0.056	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.011	0.00	1.05	0.054	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.005	0.00	0.167	0.037	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.206	0.016	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.090	0.015	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.018	0.006	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.006	0.001	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.004	0.00	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	-	0.017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	-	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	-	0.00	-	0.00	-	0.00	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.019	0.003	0.083	0.054	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.117	0.033	1.05	0.250	0.00	0.00	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.601	0.093	2.56	1.63	0.00	0.00	0.00	0.00	0.00	0.00
Total Dam³	0.00	0.00	51.9	8.04	221	141	0.00	0.00	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for MIDDLE CREEK ABOVE LODGE CREEK (11AB008) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00 E	0.00 E	0.00 E	0.120	0.058	0.223	0.010	0.00	0.00	0.00	0.00	0.00
2	0.00 E	0.00 E	0.00 E	0.092	0.054	0.169	0.009	0.00	0.00	0.00	0.00	0.00
3	0.00 E	0.00 E	0.00 E	0.079	0.050	0.134	0.007	0.00	0.00	0.00	0.00	0.00
4	0.00 E	0.00 E	0.00 E	0.071	0.051	0.110	0.005	0.00	0.00	0.00	0.00	0.00
5	0.00 E	0.00 E	0.00 E	0.062	0.056	0.046	0.003	0.00	0.00	0.00	0.00	0.00
6	0.00 E	0.00 E	0.00 E	0.056	0.056	0.026	0.004	0.00	0.00	0.00	0.00	0.00
7	0.00 E	0.00 E	0.00 B	0.051	0.054	0.021	0.003	0.00	0.00	0.00	0.00	0.00
8	0.00 E	0.00 E	0.00 B	0.077	0.067	0.016	0.002	0.00	0.00	0.00	0.00	0.00
9	0.00 E	0.00 E	0.002 B	0.101	0.070	0.015	0.001	0.00	0.00	0.00	0.00	0.00
10	0.00 E	0.00 E	0.033 B	0.094	0.070	0.016	0.001	0.00	0.00	0.00	0.00	0.00
11	0.00 E	0.00 E	0.025 B	0.149	0.068	0.014	0.001	0.00	0.00	0.00	0.00	0.00
12	0.00 E	0.00 E	0.035 B	0.148	0.064	0.013	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00 E	0.00 E	0.129 B	0.149	0.062	0.013	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00 E	0.00 E	0.302 B	0.142	0.063	0.011	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00 E	0.00 E	0.915 B	0.130	0.060	0.010	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00 E	0.00 E	1.54 B	0.118	0.057	0.009	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00 E	0.00 E	1.80	0.105	0.053	0.008	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00 E	0.00 E	1.20	0.095	0.049	0.007	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00 E	0.00 E	0.502	0.090	0.043	0.006	0.00	0.00	0.00	0.00	0.00 A	0.00
20	0.00 E	0.00 E	0.379	0.080	0.046	0.005	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00 E	0.00 E	0.565	0.075	0.056	0.097	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00 E	0.00 E	0.480	0.072	0.071	0.151	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00 E	0.00 E	0.442	0.071	0.108	0.135	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00 E	0.00 A	0.276	0.065	0.154	0.141	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00 E	0.00 E	0.290	0.067	0.954	0.125	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00 E	0.00 E	0.190	0.068	0.869	0.041	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00 E	0.00 E	0.072	0.065	0.462	0.025	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00 E	0.00 E	0.123	0.063	0.193	0.017	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00 E	-	0.155	0.065	0.052	0.014	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00 E	-	0.082 B	0.063	0.127	0.012	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00 E	-	0.105 B	-	0.162	-	0.00	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.311	0.089	0.141	0.054	0.001	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	1.80	0.149	0.954	0.223	0.010	0.00	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.051	0.043	0.005	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	9.64	2.68	4.36	1.63	0.046	0.00	0.00	0.00	0.00	0.00
Total Dam³	0.00	0.00	833	232	377	141	3.97	0.00	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for MIDDLE CREEK NEAR GOVENLOCK (11AB108) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.007	0.00	0.00	0.031	0.070	0.139	0.010	0.00	0.00	0.00	0.00	0.029
2	0.007	0.00	0.00	0.031	0.067	0.113	0.008	0.00	0.00	0.00	0.00	0.031
3	0.008	0.00	0.00	0.032	0.059	0.091	0.006	0.00	0.00	0.00	0.00	0.029
4	0.008	0.00	0.00	0.029	0.057	0.074	0.004	0.00	0.00	0.00	0.004	0.028
5	0.008	0.00	0.00	0.127	0.055	0.057	0.003	0.00	0.00	0.00	0.011	0.026
6	0.007	0.00	0.00	0.176	0.053	0.044	0.003	0.00	0.00	0.00	0.012	0.020
7	0.007	0.00	0.00	0.058	0.050	0.036	0.002	0.00	0.00	0.00	0.017	0.017
8	0.007	0.00	0.062	0.184	0.059	0.030	0.001	0.00	0.00	0.00	0.019	0.017
9	0.006	0.00	0.063 B	0.220	0.060	0.028	0.001	0.00	0.00	0.00	0.018	0.018
10	0.005	0.00	0.047 B	0.112	0.078	0.033	0.001	0.00	0.00	0.00	0.017	0.015
11	0.005	0.00	0.034 B	0.159	0.077	0.031	0.00	0.00	0.00	0.00	0.017	0.013
12	0.005	0.00	0.024 B	0.088	0.063	0.080	0.00	0.00	0.00	0.00	0.017	0.013
13	0.005	0.00	0.058 B	0.077	0.059	0.229	0.00	0.00	0.00	0.00	0.018	0.013
14	0.006	0.00	0.471 B	0.070	0.061	0.178	0.00	0.00	0.00	0.00	0.020	0.013
15	0.005	0.00	1.65 B	0.066	0.057	0.136	0.00	0.00	0.00	0.00	0.026	0.013
16	0.004	0.00	1.24 B	0.062	0.054	0.117	0.00	0.00	0.00	0.00	0.023 B	0.009
17	0.004	0.00	0.663 B	0.060	0.050	0.098	0.00	0.00	0.00	0.00	0.025 B	0.005
18	0.004	0.00	0.600 B	0.059	0.044	0.074	0.00	0.00	0.00	0.00	0.023	0.002
19	0.004	0.00	0.622 B	0.060	0.037	0.059	0.00	0.00	0.00	0.00	0.019	0.003
20	0.004	0.00	0.339 B	0.058	0.044	0.045	0.00	0.00	0.00	0.00	0.020	0.004
21	0.003	0.00	0.246 B	0.054	0.051	0.033	0.00	0.00	0.00	0.00	0.020	0.004
22	0.003	0.00	0.227 B	0.053	0.061	0.028	0.00	0.00	0.00	0.00	0.020	0.004
23	0.002	0.00	0.202 B	0.051	0.088	0.023	0.00	0.00	0.00	0.00	0.022	0.004
24	0.003	0.00	0.131 B	0.051	1.19	0.019	0.00	0.00	0.00	0.00	0.021	0.005
25	0.002	0.00	0.238 B	0.054	0.981	0.017	0.00	0.00	0.00	0.00	0.021	0.005
26	0.00	0.00	0.090 B	0.052	0.946	0.014	0.00	0.00	0.00	0.00	0.022	0.003
27	0.00	0.00	0.059	0.054	0.714	0.011	0.00	0.00	0.00	0.00	0.023	0.002
28	0.00	0.00	0.046	0.052	0.476	0.012	0.00	0.00	0.00	0.00	0.024	0.001
29	0.00	-	0.035	0.050	0.303	0.013	0.00	0.00	0.00	0.00	0.025	0.001
30	0.00	-	0.040 B	0.049	0.226	0.012	0.00	0.00	0.00	0.00	0.026	0.001
31	0.00	-	0.039	-	0.175	-	0.00	0.00	-	0.00	-	0.002
Mean	0.004	0.00	0.233	0.076	0.205	0.062	0.001	0.00	0.00	0.00	0.018	0.011
Max	0.008	0.00	1.65	0.220	1.19	0.229	0.010	0.00	0.00	0.00	0.026	0.031
Min	0.00	0.00	0.00	0.029	0.037	0.011	0.00	0.00	0.00	0.00	0.00	0.001
Total	0.129	0.00	7.23	2.28	6.37	1.87	0.039	0.00	0.00	0.00	0.530	0.350
Total Dam³	11.1	0.00	624	197	550	162	3.37	0.00	0.00	0.00	45.8	30.2

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES

ALTAWAN EVAPORATION STATION NO. 11ABM01
Station Elevation: 925 m
2021

March							April						
Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Net Reesor Lake Evap Elev. Adj 0.789 Pe-TB ppt	Net Upper Reservoir Evaporation Elev Adj 0.853 Pe-TB ppt	Period Evaporation Summations M	Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Net Reesor Lake Evap Elev. Adj 0.789 Pe-TB ppt	Net Upper Reservoir Evaporation Elev Adj 0.853 Pe-TB ppt	Period Evaporation Summations M
1	no evap data	0	no evap data	no evap data	no evap data	Reservoirs	1	no evap data	0	no evap data	no evap data	no evap data	Reservoirs
2	no evap data	0	no evap data	no evap data	no evap data	Remain	2	no evap data	0	no evap data	no evap data	no evap data	Remain
3	no evap data	0	no evap data	no evap data	no evap data	Frozen -	3	no evap data	0	no evap data	no evap data	no evap data	Frozen -
4	no evap data	0	no evap data	no evap data	no evap data	No Evaporation	4	no evap data	0	no evap data	no evap data	no evap data	No Evaporation
5	no evap data	0	no evap data	no evap data	no evap data	Considered	5	no evap data	0	no evap data	no evap data	no evap data	Considered
6	no evap data	0	no evap data	no evap data	no evap data	March 1 to April 17	6	no evap data	0	no evap data	no evap data	no evap data	March 1 to April 17
7	no evap data	0	no evap data	no evap data	no evap data	Upper Reservoirs *	7	no evap data	0	no evap data	no evap data	no evap data	Upper Reservoirs *
8	no evap data	0	no evap data	no evap data	no evap data	Mitchell** Cressday***	8	no evap data	0	no evap data	no evap data	no evap data	Mitchell** Cressday***
9	no evap data	0	no evap data	no evap data	no evap data	Altawan****	9	no evap data	0	no evap data	no evap data	no evap data	Altawan****
10	no evap data	0	no evap data	no evap data	no evap data	Reesor / Adams *****	10	no evap data	0	no evap data	no evap data	no evap data	Reesor / Adams *****
11	no evap data	0	no evap data	no evap data	no evap data	0.000*	11	no evap data	0	no evap data	no evap data	no evap data	0.000*
12	no evap data	0	no evap data	no evap data	no evap data	0.000** 0.000***	12	no evap data	0	no evap data	no evap data	no evap data	0.000** 0.000***
13	no evap data	0	no evap data	no evap data	no evap data	0.000****	13	no evap data	0	no evap data	no evap data	no evap data	0.000****
14	no evap data	0	no evap data	no evap data	no evap data		14	no evap data	0	no evap data	no evap data	no evap data	
15	no evap data	0	no evap data	no evap data	no evap data		15	no evap data	0	no evap data	no evap data	no evap data	
16	no evap data	0	no evap data	no evap data	no evap data		16	no evap data	0	no evap data	no evap data	no evap data	
17	no evap data	0	no evap data	no evap data	no evap data		17	no evap data	0	no evap data	no evap data	no evap data	
18	no evap data	0	no evap data	no evap data	no evap data		18	0.44	1	-0.56	-0.65	-0.63	-0.001*****
19	no evap data	0	no evap data	no evap data	no evap data	0.000*****	19	1.03	0	1.03	0.81	0.88	
20	no evap data	0	no evap data	no evap data	no evap data		20	2.88	0	2.88	2.27	2.45	
21	no evap data	0	no evap data	no evap data	no evap data		21	4.16	0	4.16	3.28	3.54	
22	no evap data	0	no evap data	no evap data	no evap data		22	2.54	0	2.54	2.00	2.16	
23	no evap data	0	no evap data	no evap data	no evap data		23	2.88	0	2.88	2.28	2.46	
24	no evap data	0	no evap data	no evap data	no evap data		24	2.50	0	2.50	1.97	2.13	
25	no evap data	0	no evap data	no evap data	no evap data		25	1.35	2	-0.65	-0.94	-0.85	
26	no evap data	0	no evap data	no evap data	no evap data		26	2.94	0	2.94	2.32	2.51	0.015*
27	no evap data	0	no evap data	no evap data	no evap data	0.000*	27	5.40	0	5.40	4.26	4.61	0.019** 0.023***
28	no evap data	0	no evap data	no evap data	no evap data	0.000** 0.000***	28	6.41	0	6.41	5.05	5.46	0.030****
29	no evap data	0	no evap data	no evap data	no evap data	0.000****	29	5.24	0	5.24	4.13	4.47	
30	no evap data	0	no evap data	no evap data	no evap data		30	7.33	0	7.33	5.79	6.26	
31	no evap data	0	no evap data	no evap data	no evap data								
Total	no evap data	0	no evap data	no evap data	no evap data		Total	45.09	3	42.09	32.57	35.46	

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ALTAWAN EVAPORATION STATION NO. 11ABM01
 Station Elevation: 925 m
 2021

Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Net Reesor Lake Evap Elev. Adj 0.789 Pe-TB ppt	Net Upper Reservoir Evaporation Elev Adj 0.853 Pe-TB ppt	Period Evaporation Summations M	Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Net Reesor Lake Evap Elev. Adj 0.789 Pe-TB ppt	Net Upper Reservoir Evaporation Elev Adj 0.853 Pe-TB ppt	Period Evaporation Summations M
May 1	6.52	0	6.52	5.15	5.56		June 1	7.62	0	7.62	6.01	6.50	
2	3.76	0	3.76	2.97	3.21		2	8.80	0	8.80	6.94	7.50	
3	2.79	0	2.79	2.20	2.38	0.044*****	3	9.40	0	9.40	7.42	8.02	0.029*****
4	3.68	1	2.68	1.91	2.14		4	8.71	0	8.71	6.87	7.43	
5	2.96	1	1.96	1.33	1.52	Upper Reservoirs*	5	9.58	0	9.58	7.56	8.17	
6	5.68	0	5.68	4.48	4.84	Mitchell** Cressday***	6	6.56	0	6.56	5.18	5.60	
7	2.29	10	-7.71	-8.19	-8.05	Altawan****	7	7.80	0	7.80	6.15	6.65	
8	1.51	7	-5.49	-5.81	-5.72	Reesor / Adams*****	8	5.77	0	5.77	4.55	4.92	
9	1.54	1	0.54	0.22	0.32		9	1.84	2	-0.16	-0.55	-0.43	
10	3.88	0	3.88	3.06	3.31		10	2.74	6	-3.26	-3.84	-3.66	
11	5.21	0	5.21	4.11	4.44	0.035*	11	7.80	0	7.80	6.15	6.65	0.081*
12	6.03	0	6.03	4.76	5.14	0.035** 0.045***	12	6.88	0	6.88	5.43	5.87	0.081** 0.096***
13	3.30	2	1.30	0.60	0.82	0.040****	13	8.58	0	8.58	6.77	7.32	0.099****
14	5.80	1	4.80	3.58	3.95		14	11.42	0	11.42	9.01	9.74	
15	6.93	0	6.93	5.47	5.92		15	11.51	0	11.51	9.08	9.82	
16	6.93	0	6.93	5.46	5.91		16	10.21	1	9.21	7.05	7.71	
17	8.28	0	8.28	6.53	7.06		17	8.80	0	8.80	6.94	7.51	
18	7.36	0	7.36	5.81	6.28		18	7.85	0	7.85	6.19	6.70	0.083*****
19	4.52	1	3.52	2.57	2.85	0.036*****	19	4.63	0	4.63	3.65	3.95	
20	0.39	1	-0.61	-0.69	-0.66		20	6.77	0	6.77	5.34	5.78	
21	0.00	9	-9.00	-9.00	-9.00		21	7.80	0	7.80	6.16	6.65	
22	1.25	1	0.25	-0.01	0.07		22	9.34	0	9.34	7.37	7.97	
23	0.88	11	-10.12	-10.31	-10.25		23	7.93	0	7.93	6.26	6.77	
24	2.86	5	-2.14	-2.74	-2.56		24	4.06	7	-2.94	-3.80	-3.54	
25	3.36	0	3.36	2.65	2.87		25	7.50	0	7.50	5.92	6.40	
26	2.13	0	2.13	1.68	1.82		26	8.19	0	8.19	6.46	6.99	0.096*
27	6.74	0	6.74	5.32	5.75	0.026*	27	8.98	0	8.98	7.08	7.66	0.097** 0.116***
28	7.56	0	7.56	5.96	6.45	0.027** 0.037***	28	8.93	0	8.93	7.04	7.62	0.116****
29	5.74	0	5.74	4.53	4.89	0.042****	29	9.70	0	9.70	7.65	8.27	
30	7.40	0	7.40	5.83	6.31		30	10.58	0	10.58	8.35	9.03	
31	7.48	0	7.48	5.90	6.38		31						
Total	134.76	51	83.76	55.32	63.95		Total	236.28	16	220.28	170.42	185.54	

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ALTAWAN EVAPORATION STATION NO. 11ABM01
Station Elevation: 925 m
2021

Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Net Reesor Lake Evap Elev. Adj 0.789 Pe-TB ppt	Net Upper Reservoir Evaporation Elev Adj 0.853 Pe-TB ppt	Period Evaporation Summations M	Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Net Reesor Lake Evap Elev. Adj 0.789 Pe-TB ppt	Net Upper Reservoir Evaporation Elev Adj 0.853 Pe-TB ppt	Period Evaporation Summations M
1	11.06	0	11.06	8.72	9.43		1	8.38	0	8.38	6.61	7.15	
2	9.38	0	9.38	7.40	8.00		2	4.36	5	-0.64	-1.56	-1.28	
3	9.32	0	9.32	7.35	7.95	0.091*****	3	4.69	0	4.69	3.70	4.00	0.068*****
4	9.79	0	9.79	7.72	8.35		4	5.54	0	5.54	4.37	4.72	
5	5.31	0	5.31	4.19	4.53	Upper Reservoirs*	5	6.35	2	4.35	3.01	3.41	
6	7.36	7	0.36	-1.19	-0.72	Mitchell** Cressday***	6	6.14	0	6.14	4.84	5.24	
7	5.79	0	5.79	4.57	4.94	Altawan****	7	6.68	0	6.68	5.27	5.70	
8	5.88	0	5.88	4.64	5.01	Reesor / Adams*****	8	3.27	2	1.27	0.58	0.79	
9	5.32	1	4.32	3.20	3.54		9	3.20	10	-6.80	-7.47	-7.27	
10	8.56	0	8.56	6.76	7.31		10	3.78	0	3.78	2.99	3.23	
11	7.58	0	7.58	5.98	6.46	0.097*	11	7.45	0	7.45	5.88	6.36	0.053*
12	6.97	0	6.97	5.50	5.94	0.096** 0.114***	12	5.61	0	5.61	4.43	4.79	0.057** 0.070***
13	3.91	0	3.91	3.08	3.33	0.108****	13	6.77	0	6.77	5.34	5.78	0.070****
14	7.61	0	7.61	6.00	6.49		14	7.09	0	7.09	5.59	6.05	
15	7.87	0	7.87	6.21	6.71		15	5.02	0	5.02	3.96	4.28	
16	7.24	0	7.24	5.71	6.17		16	6.54	0	6.54	5.16	5.58	
17	7.56	0	7.56	5.97	6.45		17	3.63	6	-2.37	-3.14	-2.91	
18	7.44	0	7.44	5.87	6.35		18	0.26	10	-9.74	-9.79	-9.78	0.033*****
19	3.19	0	3.19	2.52	2.72	0.077*****	19	1.93	0	1.93	1.52	1.65	
20	3.81	4	-0.19	-0.99	-0.75		20	3.16	0	3.16	2.49	2.69	
21	7.24	0	7.24	5.71	6.17		21	2.63	1	1.63	1.07	1.24	
22	7.94	0	7.94	6.27	6.77		22	5.45	0	5.45	4.30	4.65	
23	7.17	0	7.17	5.66	6.12		23	4.91	0	4.91	3.88	4.19	
24	6.65	0	6.65	5.25	5.68		24	2.77	0	2.77	2.19	2.37	
25	7.30	0	7.30	5.76	6.23		25	4.78	0	4.78	3.77	4.07	
26	7.36	0	7.36	5.81	6.28		26	3.74	0	3.74	2.95	3.19	
27	8.41	0	8.41	6.63	7.17	0.088*	27	1.53	0	1.53	1.21	1.30	0.039*
28	3.43	2	1.43	0.71	0.93	0.083** 0.098***	28	5.11	0	5.11	4.03	4.36	0.039** 0.048***
29	7.71	0	7.71	6.08	6.57	0.102****	29	5.41	0	5.41	4.27	4.62	0.047****
30	8.03	0	8.03	6.34	6.85		30	6.24	0	6.24	4.93	5.33	
31	8.27	0	8.27	6.52	7.05		31	5.41	0	5.41	4.27	4.62	
Total	220.45	14	206.45	159.94	174.05		Total	147.83	36	111.83	80.64	90.10	

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ALTAWAN EVAPORATION STATION NO. 11ABM01
 Station Elevation: 925 m
 2021

Date	Penman	Tipping	Net	Net	Net Upper	Period	Date	Penman	Tipping	Net	Net	Net Upper	Period
	Evaporation	Bucket	Reservoir	Reesor	Reservoir			Evaporation	Evaporation	Evaporation	Bucket	Reservoir	
	Pe	ppt	Evaporation	Elev. Adj 0.789	Elev Adj 0.853	Summations		Pe	ppt	Evaporation	Elev. Adj 0.789	Elev Adj 0.853	Summations
September	mm	mm	Pe - TB ppt	Pe-TB ppt	Pe-TB ppt	M	October	mm	mm	mm	Pe-TB ppt	Pe-TB ppt	M
1	5.32	0	5.32	4.19	4.53		1	3.01	0	3.01	2.38	2.57	
2	4.70	0	4.70	3.71	4.01		2	3.02	0	3.02	2.39	2.58	
3	3.56	0	3.56	2.81	3.04	0.050****	3	3.91	0	3.91	3.09	3.34	0.036****
4	5.02	0	5.02	3.96	4.28		4	3.11	0	3.11	2.45	2.65	
5	5.81	0	5.81	4.58	4.95	Upper Reservoirs *	5	3.18	0	3.18	2.51	2.72	
6	5.78	0	5.78	4.56	4.93	Mitchell** Cressday***	6	2.67	0	2.67	2.11	2.28	
7	4.84	0	4.84	3.82	4.13	Altawan****	7	0.99	0	0.99	0.78	0.84	
8	5.05	0	5.05	3.98	4.30	Reesor/Adams*****	8	1.79	0	1.79	1.41	1.52	
9	5.79	0	5.79	4.57	4.94		9	2.60	0	2.60	2.05	2.22	
10	4.13	0	4.13	3.26	3.52		10	2.50	0	2.50	1.97	2.13	
11	1.28	6	-4.72	-4.99	-4.91	0.057*	11	0.98	0	0.98	0.77	0.84	0.035*
12	3.15	0	3.15	2.49	2.69	0.055** 0.065***	12	0.98	0	0.98	0.77	0.84	0.033** 0.036***
13	2.33	0	2.33	1.84	1.98	0.062****	13	1.37	0	1.37	1.08	1.17	0.036****
14	4.25	0	4.25	3.36	3.63		14	1.37	0	1.37	1.08	1.16	
15	2.43	14	1.03	0.52	0.68		15	1.46	0	1.46	1.16	1.25	
16	2.27	16	0.67	0.19	0.34		16	2.04	0	2.04	1.61	1.74	
17	2.46	0	2.46	1.94	2.10		17	2.33	0	2.33	1.84	1.99	
18	5.05	0	5.05	3.99	4.31	0.038****	18	1.88	0	1.88	1.48	1.60	
19	3.01	0	3.01	2.38	2.57		19	1.17	0	1.17	0.93	1.00	0.024****
20	1.85	0.8	1.05	0.66	0.78		20	1.69	0	1.69	1.33	1.44	
21	2.95	0.2	2.75	2.13	2.32		21	1.58	0	1.58	1.25	1.35	
22	3.31	0	3.31	2.61	2.82		22	1.64	0	1.64	1.29	1.40	
23	2.47	0	2.47	1.95	2.11		23	0.88	0.2	0.68	0.49	0.55	
24	3.49	0	3.49	2.75	2.98		24	1.25	0	1.25	0.98	1.06	
25	3.09	0	3.09	2.44	2.63		25	0.48	0.2	0.28	0.18	0.21	0.006****
26	3.16	0	3.16	2.49	2.70	0.035*	26	0.86	0.4	0.46	0.28	0.34	
27	3.67	0	3.67	2.90	3.13	0.035** 0.042***	27	1.96	0	1.96	1.54	1.67	0.019*
28	3.37	0	3.37	2.66	2.87	0.043****	28	1.45	0	1.45	1.15	1.24	0.019** 0.023**
29	3.24	0	3.24	2.56	2.76		29	0.38	6.8	-6.42	-6.50	-6.47	0.015****
30	2.83	0	2.83	2.23	2.42		30	0.81	1	-0.19	-0.36	-0.31	
31							31	0.43	0	0.43	0.34	0.37	
Total	109.66	10	99.66	76.52	83.54		Total	53.78	8.6	45.18	33.83	37.27	

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**STORAGE FACTORS AND EVAPORATION LOSSES
2021**

ALTAWAN RESERVOIR NEAR GOVENLOCK

11AB089

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	899.130	16 461	0	0	5 269	5 612	343
2	899.955	17 288	0	0	5 612	7 038	1 426
3	899.985	17 925	0	0	7 038	7 092	54
4	899.925	17 902	0.030	53	7 092	6 985	-54
5	899.971	17 892	0.040	71	6 985	7 067	153
6	900.033	17 973	0.042	75	7 067	7 178	186
7	899.314	17 490	0.099	173	7 178	5 921	-1 084
8	899.222	16 882	0.116	196	5 921	5 766	41
9	899.116	16 727	0.108	181	5 766	5 589	4
10	898.747	16 266	0.102	166	5 589	4 989	-434
11	898.406	15 496	0.070	108	4 989	4 460	-421
12	898.357	15 084	0.047	71	4 460	4 386	-3
13	898.287	14 935	0.062	93	4 386	4 282	-11
14	898.225	14 739	0.043	63	4 282	4 190	-29
15	898.166	14 542	0.036	53	4 190	4 104	-33
16	898.137	14 366	0.015	21	4 104	4 063	-20



Daily Discharge Data for SPANGLER DITCH NEAR GOVENLOCK (11AB060) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	0.827	0.00	0.787	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.737	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.622	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.350	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.984	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.228	0.00	0.705	0.468	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.483	0.00	1.05	0.041	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.141	0.00	1.05	0.009	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.031	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.009	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.681	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.004	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.142	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.038	0.00	0.183	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.009	0.00	1.03	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.994	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.958	0.00	0.00	0.00	0.00	0.00
29	0.00	-	0.00	0.00	0.00	0.00	0.905	0.00	0.00	0.00	0.00	0.00
30	0.00	-	0.00	0.00	0.00	0.00	0.885	0.00	0.00	0.00	0.00	0.00
31	0.00	-	0.00	-	0.00	-	0.821	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.029	0.00	0.256	0.514	0.186	0.081	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.483	0.00	1.08	1.25	1.03	0.787	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.892	0.00	7.95	15.4	5.78	2.50	0.00	0.00	0.00	0.00
Total Dam³	0.00	0.00	77.1	0.00	687	1,330	499	216	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for BUTALA COULEE NEAR WILLOW CREEK (11AB103) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00 E	0.00 E	0.00 E	0.00	0.00	0.017	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00 E	0.00 E	0.00 E	0.00	0.00	0.013	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00 E	0.00 E	0.00 E	0.00	0.00	0.009	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00 E	0.00 E	0.00 E	0.00	0.00	0.005	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00 E	0.00 E	0.00 E	0.00	0.00	0.002	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00 E	0.00 E	0.00 E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00 E	0.00 E	0.00 E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00 E	0.00 E	0.00 E	0.00	0.00	0.093	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00 E	0.00 E	0.481 A	0.00	0.00	0.205	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00 E	0.00 E	0.570 E	0.00	0.00	0.218	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00 E	0.00 E	0.537 E	0.00	0.00	0.171	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00 E	0.00 E	0.869 E	0.00	0.00	0.152	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00 E	0.00 E	0.644 E	0.00	0.00	0.132	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00 E	0.00 E	1.31 E	0.00	0.00	0.101	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00 E	0.00 E	3.80 E	0.00	0.00	0.081	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00 E	0.00 E	1.31	0.00	0.00	0.062	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00 E	0.00 E	0.450	0.00	0.00	0.055	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00 E	0.00 E	0.238	0.00	0.00	0.054	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00 E	0.00 E	0.128	0.00	0.00	0.044	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00 E	0.00 E	0.082	0.00	0.00	0.037	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00 E	0.00 E	0.064	0.00	0.00	0.030	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00 E	0.00 E	0.043	0.00	0.00	0.025	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00 E	0.00 E	0.029	0.00	0.031	0.019	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00 E	0.00 E	0.019	0.00	0.667	0.016	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00 E	0.00 E	0.014	0.00	0.570	0.013	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00 E	0.00 E	0.009	0.00	0.229	0.010	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00 E	0.00 E	0.007	0.00	0.117	0.007	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00 E	0.00 E	0.004	0.00	0.068	0.003	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00 E	-	0.002	0.00	0.043	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00 E	-	0.001	0.00	0.031	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00 E	-	0.001	-	0.022	-	0.00	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.342	0.00	0.057	0.052	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	3.80	0.00	0.667	0.218	0.00	0.00	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	10.6	0.00	1.78	1.57	0.00	0.00	0.00	0.00	0.00	0.00
Total Dam³	0.00	0.00	917	0.00	154	136	0.00	0.00	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES

**Lodge Creek Basin
Minor Diversions**
(Volume in Cubic Decametres)

Projects associated with the Middle Creek Reservoir Area														
File Number	March		April		May		June		July		August		Sept	Total
	26-12	13-28	29-12	13-27	28-12	13-28	29-12	13-27	28-12	13-28	29-12	13-28	29-12	
205		65.2												65
8250				15.4										15
11727														
11746														
11768		12.3												12
15028														
Projects Associated with the Altawan Reservoir Area														
File Number	March		April		May		June		July		August		Sept	Total
	27-13	14-29	30-13	14-28	29-13	14-29	30-13	14-28	29-13	14-29	30-13	14-29	30-13	
410	24.7													25
787		2.5	6.2	1.2										10
788		1.2	3.1	0.6										5
831		20.7	51.8	10.4										83
832														
1582	4.9	4.9												10
1583	7.6	7.6												15
4446	2.5	2.5												5
8299														
10136	7.1	8.3												15
10600		14.1	35.2	7.0										56
10663		3.1	7.6	1.5										12
10789		2.3	5.7	1.1										9
10877														
12478		1.3	3.3	0.7										5
12479		1.9	4.7	0.9										8
12480		0.7	1.6	0.3										3
12481		2.4	6.1	1.2										10
12482		9.9	24.6	4.9										39
Total Saskatchewan Middle		78		15										93
Total Saskatchewan Altawan	47	83	150	30										310
Total Minor Diversion Saskatchewan	46.8	160.8	150.0	45.4										403

Lodge Creek Basin (continued)
Minor Diversions
(Volume in Cubic Decametres)

Projects Associated with the Upper Lodge Creek Basin														
File Number	March		April		May		June		July		August		Sept	Total
	25-11	12-27	28-11	12-26	27-11	12-27	28-11	12-26	27-11	12-27	28-11	12-27	28-11	
370														
397														
412														
415														
2935														
3787														
8097								57	63					120
9654														
12719														
13803														
14535									17	32				49
14562														
15617														
16878														
Projects Associated with the Altawan Reservoir Area														
File Number	March		April		May		June		July		August		Sept	Total
	27-13	14-29	30-13	14-28	29-13	14-29	30-13	14-28	29-13	14-29	30-13	14-29	30-13	
2130														0
16378														0
Projects Associated with the Middle Creek Reservoir Area														
File Number	March		April		May		June		July		August		Sept	Total
	26-12	13-28	29-12	13-27	28-12	13-28	29-12	13-27	28-12	13-28	29-12	13-28	29-12	
20452M														0
Projects Associated with the Mitchell Reservoir Area														
File Number	March		April		May		June		July		August		Sept	Total
	26-12	13-28	29-12	13-27	28-12	13-28	29-12	13-27	28-12	13-28	29-12	13-28	29-12	
303M				87			154		10					251
365M														
920M														
1830M														
Upper Lodge Total							57		80	32				169
Mitchell Total (AB)				87			154		10					251
Altawan Total (AB & SK)	47	83	150	30										310
Middle Total (AB & SK)		78		15										93
Total Alberta				87			154	57	90	32				420
Total Saskatchewan	47	161	150	45										403
Total Lodge Creek Basin	47	161	150	132			154	57	90	32				823

Water Rights Data supplied by Saskatchewan Water Security Agency and Prairie Provinces Water Board's Committee on Hydrology (PPWB-COH). PPWB-COH values are estimated, and applied to Alberta Environment and Parks licenses based on location, historical use, and water right allocations.



Daily Discharge Data for BATTLE CREEK AT INTERNATIONAL BOUNDARY (11AB027) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.421 B	0.338 B	0.058 B	0.073	0.096	2.77	0.438	0.009	0.046	0.128	0.297 B	0.233 B
2	0.436 B	0.301 B	0.059 B	0.076	0.082	2.24	0.414	0.005	0.073	0.139	0.173 B	0.143 B
3	0.403 B	0.322 B	0.061 B	0.058	0.074	1.73	0.359	0.003	0.070	0.135	0.163 B	0.097 B
4	0.383 B	0.376 B	0.065 B	0.077	0.068	1.57	0.288	0.002	0.060	0.161	0.256 B	0.190 B
5	0.376 B	0.339 B	0.100 B	0.078	0.067	1.47	0.535	0.001	0.036	0.147	0.295 B	0.199 B
6	0.377 B	0.181 B	0.143 B	0.094	0.072	1.60	0.840	0.00	0.038	0.113	0.404	0.189 B
7	0.376 B	0.153 B	0.291 B	0.078	0.067	1.57	0.841	0.00	0.067	0.123	0.351	0.272 B
8	0.358 B	0.148 B	0.368 B	0.082	0.700	1.49	0.833	0.00	0.083	0.132	0.331 B	0.322 B
9	0.381 B	0.087 B	0.010 B	0.190	0.751	1.37	0.793	0.00	0.069	0.149	0.243 B	0.249 B
10	0.374 B	0.074 B	0.008 B	0.596	0.899	1.44	0.890	0.00	0.054	0.132	0.213 B	0.259 B
11	0.363 B	0.057 B	0.200 B	0.316	0.932	1.49	0.879	0.00	0.045	0.150	0.178 B	0.282 B
12	0.362 B	0.044 B	0.567 B	0.247	0.966	1.48	0.850	0.00	0.044	0.177	0.195 B	0.257 B
13	0.358 B	0.038 B	1.65 B	0.177	1.54	1.49	0.973	0.00	0.047	0.186	0.225 B	0.269 B
14	0.334 B	0.047 B	4.09 B	0.128	1.54	1.48	1.02	0.00	0.048	0.198	0.278 B	0.308 B
15	0.351 B	0.046 B	10.4 B	0.205	1.20	1.43	0.823	0.00	0.044	0.203	0.323 B	0.268 B
16	0.399 B	0.046 B	9.41 B	0.185	1.28	1.21	0.705	0.00	0.044	0.212	0.229 B	0.212 B
17	0.331 B	0.046 B	3.64 B	0.140	1.52	1.01	0.666	0.00	0.052	0.232	0.152 B	0.184 B
18	0.385 B	0.046 B	2.36 B	0.110	1.86	0.936	0.597	0.00	0.082	0.228	0.176 B	0.151 B
19	0.310 B	0.046 B	1.92 B	0.151	1.91	0.830	0.570	0.00	0.080	0.216	0.157 B	0.147 B
20	0.309 B	0.046 B	1.69 B	0.201	2.11 B	0.645	0.385	0.00	0.091	0.223	0.183 B	0.135 B
21	0.308 B	0.048 B	1.05 B	0.164	2.40	0.569	0.232	0.00	0.113	0.229	0.186 B	0.137 B
22	0.315 B	0.050 B	0.753 B	0.135	2.20	0.565	0.141	0.00	0.125	0.242	0.191 B	0.132 B
23	0.305 B	0.051 B	0.501 B	0.118	2.36	0.529	0.097	0.00	0.126	0.256	0.220 B	0.165 B
24	0.299 B	0.052 B	0.274 B	0.107	2.72	0.551	0.068	0.00	0.123	0.251	0.205 B	0.158 B
25	0.278 B	0.053 B	0.354 B	0.106	1.94	0.572	0.054	0.00	0.107	0.276	0.212 B	0.144 B
26	0.272 B	0.054 B	0.112 B	0.103	1.56	0.546	0.039	0.00	0.095	0.274	0.212 B	0.134 B
27	0.284 B	0.056 B	0.161	0.102	1.17	0.467	0.030	0.00	0.094	0.271	0.202 B	0.117 B
28	0.286 B	0.057 B	0.123	0.128	1.20	0.411	0.020	0.00	0.130	0.283	0.186 B	0.097 B
29	0.284 B	-	0.096	0.137	2.11	0.395	0.019	0.080	0.133	0.292	0.206 B	0.069 B
30	0.285 B	-	0.048	0.125	2.38	0.421	0.015	0.063	0.126	0.312	0.197 B	0.029 B
31	0.309 B	-	0.078	-	2.73	-	0.012	0.055	-	0.319	-	0.025 B
Mean	0.342	0.114	1.31	0.150	1.31	1.14	0.465	0.007	0.078	0.206	0.228	0.180
Max	0.436	0.376	10.4	0.596	2.73	2.77	1.02	0.080	0.133	0.319	0.404	0.322
Min	0.272	0.038	0.008	0.058	0.067	0.395	0.012	0.00	0.036	0.113	0.152	0.025
Total	10.6	3.20	40.6	4.49	40.5	34.3	14.4	0.218	2.35	6.39	6.84	5.57
Total Dam³	917	277	3,510	388	3,500	2,960	1,250	18.8	203	552	591	482

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES

**STORAGE FACTORS AND EVAPORATION LOSSES
2021**

REESOR RESERVOIR NEAR ELKWATER

11AB090

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman Evap. Adjusted for Elevation (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	1226.078	5 009	0.000	0	1 462	1 456	-6
2	1226.095	5 010	0.000	0	1 456	1 465	9
3	1226.101	5 014	-0.001	0	1 465	1 468	3
4	1226.102	5 016	0.044	22	1 468	1 468	22
5	1226.138	5 023	0.036	18	1 468	1 486	36
6	1226.194	5 041	0.029	15	1 486	1 514	43
7	1226.143	5 042	0.083	42	1 514	1 488	16
8	1226.073	5 018	0.091	46	1 488	1 454	12
9	1225.987	4 987	0.077	38	1 454	1 411	-5
10	1225.908	4 954	0.068	34	1 411	1 371	-6
11	1225.842	4 925	0.033	16	1 371	1 340	-15
12	1225.814	4 906	0.050	25	1 340	1 326	11
13	1225.766	4 891	0.038	19	1 326	1 303	-4
14	1225.707	4 870	0.036	17	1 303	1 275	-11
15	1225.647	4 846	0.024	12	1 275	1 244	-19
16	1225.635	4 831	0.006	3	1 244	1 238	-3



Daily Discharge Data for GAFF DITCH NEAR MERRYFLAT (11AB102) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00 B	0.00 B	0.00 B	0.00 B	0.337 E	0.001	0.00	0.00	0.00	0.00	0.00 B	0.00 B
2	0.00 B	0.00 B	0.00 B	0.00	0.337 E	0.001	0.00	0.00	0.00	0.00	0.00 B	0.00 B
3	0.00 B	0.00 B	0.00 B	0.00	0.185 E	0.001	0.00	0.00	0.00	0.00	0.00 B	0.00 B
4	0.00 B	0.00 B	0.00 B	0.00	0.029 E	0.001	0.00	0.00	0.00	0.00	0.00 B	0.00 B
5	0.00 B	0.00 B	0.00 B	0.00	0.029 E	0.001	0.00	0.00	0.00	0.00	0.00 B	0.00 B
6	0.00 B	0.00 B	0.00 B	0.00	0.029 E	0.001	0.00	0.00	0.00	0.00	0.00 B	0.00 B
7	0.00 B	0.00 B	0.00 B	0.00	0.029 E	0.001	0.00	0.00	0.00	0.00	0.00 B	0.00 B
8	0.00 B	0.00 B	0.00 B	0.00	0.029 E	0.001	0.00	0.00	0.00	0.00	0.00 B	0.00 B
9	0.00 B	0.00 B	0.00 B	0.00	0.029 E	0.00	0.00	0.00	0.00	0.00	0.00 B	0.00 B
10	0.00 B	0.00 B	0.00 B	0.00	0.029 E	0.00	0.00	0.00	0.00	0.00	0.00 B	0.00 B
11	0.00 B	0.00 B	0.00 B	0.00	0.023 E	0.00	0.00	0.00	0.00	0.00	0.00 B	0.00 B
12	0.00 B	0.00 B	0.00 B	0.00	0.005 E	0.00	0.00	0.00	0.00	0.00	0.00 B	0.00 B
13	0.00 B	0.00 B	0.00 B	0.00	0.005 E	0.00	0.00	0.00	0.00	0.00	0.00 B	0.00 B
14	0.00 B	0.00 B	0.00 B	0.00	0.005 E	0.00	0.00	0.00	0.00	0.00	0.00 B	0.00 B
15	0.00 B	0.00 B	0.00 B	0.00	0.005 E	0.00	0.00	0.00	0.00	0.00	0.00 B	0.00 B
16	0.00 B	0.00 B	0.00 B	0.00	0.005 E	0.00	0.00	0.00	0.00	0.00	0.00 B	0.00 B
17	0.00 B	0.00 B	0.00 B	0.00	0.005 E	0.00	0.00	0.00	0.00	0.00	0.00 B	0.00 B
18	0.00 B	0.00 B	0.00 B	0.00	0.005 E	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
19	0.00 B	0.00 B	0.00 B	0.00	0.004	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
20	0.00 B	0.00 B	0.00 B	0.00	0.003	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
21	0.00 B	0.00 B	0.00 B	0.00	0.002	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
22	0.00 B	0.00 B	0.00 B	0.00	0.002	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
23	0.00 B	0.00 B	0.00 B	0.00	0.002	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
24	0.00 B	0.00 B	0.00 B	0.00	0.002	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
25	0.00 B	0.00 B	0.00 B	0.032	0.002	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
26	0.00 B	0.00 B	0.00 B	0.226	0.002	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
27	0.00 B	0.00 B	0.00 B	0.343	0.002	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
28	0.00 B	0.00 B	0.00 B	0.326	0.002	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
29	0.00 B	-	0.00 B	0.325	0.002	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
30	0.00 B	-	0.00 B	0.339	0.002	0.00	0.00	0.00	0.00	0.00 B	0.00 B	0.00 B
31	0.00 B	-	0.00 B	-	0.001	-	0.00	0.00	-	0.00 B	-	0.00 B
Mean	0.00	0.00	0.00	0.053	0.037	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.343	0.337	0.001	0.00	0.00	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	1.59	1.15	0.008	0.00	0.00	0.00	0.00	0.00	0.00
Total Dam³	0.00	0.00	0.00	137	99.2	0.691	0.00	0.00	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for CYPRESS LAKE WEST INFLOW CANAL (11AB078) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.953 B	0.477	0.711	0.00	0.00	0.00	0.00	0.003	0.00
2	0.00	0.00	0.00	0.804 B	0.652	0.475	0.00	0.00	0.00	0.00	0.001	0.00
3	0.00	0.00	0.00	0.469 B	0.641	0.298	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.386 B	0.643	0.289	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	1.28 B	0.730	0.270	0.00	0.00	0.00	0.00	0.001	0.00
6	0.00	0.00	0.00	3.88 B	0.768	0.255	0.006	0.00	0.00	0.00	0.001	0.00
7	0.00	0.00	0.00	5.04	0.582	0.251	0.002	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	4.28	0.575	0.242	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	3.53	0.551	0.240	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.159 B	2.06	0.630	0.236	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.242 B	1.91	0.980	0.222	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.172 B	1.39	0.925	0.217	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.164 B	1.06	0.917	0.216	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.396 B	1.06	0.937	0.222	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.771 B	1.01	1.03	0.228	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.918 B	0.946	0.956	0.195	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	1.22 B	0.906	0.825	0.168	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	1.26 B	0.881	0.699	0.103	0.00	0.00	0.00	0.006	0.00	0.00
19	0.00	0.00	1.51 B	0.848	0.680	0.026	0.00	0.00	0.00	0.016	0.00 A	0.00
20	0.00	0.00	2.13 B	0.847	0.701	0.006	0.00	0.00	0.00	0.008	0.00	0.00
21	0.00	0.00	2.26 B	0.838	0.739	0.001	0.00	0.00	0.00	0.003	0.00	0.00
22	0.00	0.00	1.50 B	0.855	0.766	0.00	0.00	0.00	0.00	0.001	0.00	0.00
23	0.00	0.00	2.37 B	0.830	0.995	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	1.17 B	0.825	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.731 B	0.837	1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	1.11 B	0.827	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.502 B	0.767	2.60	0.00	0.00	0.00	0.00	0.010	0.00	0.00
28	0.00	0.00	0.544 B	0.450	1.19	0.00	0.00	0.00	0.00	0.038	0.00	0.00
29	0.00	-	1.21 B	0.392	0.816	0.00	0.00	0.00	0.00	0.014	0.00	0.00
30	0.00	-	1.86 B	0.457	0.825	0.00	0.00	0.00	0.00	0.010	0.00	0.00
31	0.00	-	1.32 B	-	0.819	-	0.00	0.00	-	0.006	-	0.00
Mean	0.00	0.00	0.759	1.35	0.931	0.162	0.00	0.00	0.00	0.004	0.00	0.00
Max	0.00	0.00	2.37	5.04	2.60	0.711	0.006	0.00	0.00	0.038	0.003	0.00
Min	0.00	0.00	0.00	0.386	0.477	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	23.5	40.6	28.9	4.87	0.008	0.00	0.00	0.112	0.006	0.00
Total Dam³	0.00	0.00	2,030	3,510	2,490	421	0.691	0.00	0.00	9.68	0.518	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for CYPRESS LAKE WEST OUTFLOW CANAL (11AB077) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00 B	0.00 B	0.00 B	0.043 B	0.212	1.63	1.01	0.005	0.002	0.003	0.004	0.002 B
2	0.00 B	0.00 B	0.00 B	0.027 B	0.197	1.63	0.994	0.005	0.002	0.003	0.003	0.001 B
3	0.00 B	0.00 B	0.00 B	0.013 B	0.194	1.62	0.985	0.005	0.002	0.003	0.003	0.001 B
4	0.00 B	0.00 B	0.00 B	0.026 B	0.212	1.62	0.989	0.005	0.002	0.003	0.003	0.001 B
5	0.00 B	0.00 B	0.00 B	0.185 B	0.251	1.62	0.988	0.005	0.002	0.003	0.004	0.001 B
6	0.00 B	0.00 B	0.00 B	0.562 B	0.328	1.60	1.00	0.005	0.002	0.003	0.004	0.001 B
7	0.00 B	0.00 B	0.00 B	0.630 B	0.321	1.27	0.995	0.005	0.002	0.004	0.004	0.00 B
8	0.00 B	0.00 B	0.00 B	0.575 B	0.308	0.711	1.10	0.006	0.002	0.004	0.004	0.00 B
9	0.00 B	0.00 B	0.00 B	0.508 B	0.317	0.713 A	1.25	0.006	0.002	0.004	0.004	0.00 B
10	0.00 B	0.00 B	0.00 B	0.490 B	0.317	0.785	1.33	0.006	0.002	0.005	0.004	0.00 B
11	0.00 B	0.00 B	0.00 B	0.464 B	2.17	0.778	1.03	0.005	0.002	0.005	0.004	0.00 B
12	0.00 B	0.00 B	0.00 B	0.442	4.04	0.745	1.01	0.004	0.003	0.005	0.004	0.00 B
13	0.00 B	0.00 B	0.00 B	0.351	4.34	0.720	1.01	0.004	0.002	0.005	0.004	0.00 B
14	0.00 B	0.00 B	0.00 B	0.188	4.65	0.708	1.01	0.003	0.002	0.005	0.004	0.00 B
15	0.00 B	0.00 B	0.00 B	0.115	4.93	0.544	0.577	0.003	0.002	0.005	0.004	0.00 B
16	0.00 B	0.00 B	0.00 B	0.075	4.93	0.317	0.031	0.003	0.003	0.005	0.004	0.00 B
17	0.00 B	0.00 B	0.00 B	0.148	4.90	0.307	0.011	0.003	0.003	0.005	0.004	0.00 B
18	0.00 B	0.00 B	0.00 B	0.231	4.87	0.301	0.008	0.004	0.003	0.005	0.004	0.00 B
19	0.00 B	0.00 B	0.00 B	0.334	4.83	0.297	0.007	0.003	0.003	0.005	0.003 A	0.00 B
20	0.00 B	0.00 B	0.00 B	0.427	4.83	0.293	0.008	0.003	0.003	0.006	0.003	0.00 B
21	0.00 B	0.00 B	0.00 B	0.435	2.16	0.292	0.008	0.003	0.003	0.006	0.003	0.00 B
22	0.00 B	0.00 B	0.00 B	0.408	0.230	0.298	0.007	0.003	0.003	0.006	0.003	0.00 B
23	0.00 B	0.00 B	0.00 B	0.324	0.230	0.295	0.007	0.003	0.003	0.006	0.003	0.00 B
24	0.00 B	0.00 B	0.00 B	0.104	1.73	0.293	0.007	0.002	0.003	0.004	0.002	0.00 B
25	0.00 B	0.00 B	0.00 B	0.098	3.09	0.291	0.007	0.002	0.003	0.004	0.002	0.00 B
26	0.00 B	0.00 B	0.00 B	0.119	3.10	0.287	0.007	0.002	0.003	0.004	0.002	0.00 B
27	0.00 B	0.00 B	0.00 B	0.150	2.73	0.286	0.006	0.002	0.003	0.004	0.002 B	0.00 B
28	0.00 B	0.00 B	0.00 B	0.174	2.32	0.286	0.006	0.002	0.003	0.004	0.002 B	0.00 B
29	0.00 B	-	0.001 B	0.183	2.27	0.287	0.006	0.002	0.003	0.005	0.002 B	0.00 B
30	0.00 B	-	0.043 B	0.214	1.97	0.671	0.005	0.002	0.003	0.005	0.002 B	0.00 B
31	0.00 B	-	0.074 B	-	1.63	-	0.005	0.002	-	0.004	-	0.00 B
Mean	0.00	0.00	0.004	0.268	2.21	0.717	0.497	0.004	0.003	0.004	0.003	0.00
Max	0.00	0.00	0.074	0.630	4.93	1.63	1.33	0.006	0.003	0.006	0.004	0.002
Min	0.00	0.00	0.00	0.013	0.194	0.286	0.005	0.002	0.002	0.003	0.002	0.00
Total	0.00	0.00	0.118	8.04	68.6	21.5	15.4	0.113	0.076	0.138	0.098	0.007
Total Dam³	0.00	0.00	10.2	695	5,930	1,860	1,330	9.76	6.57	11.9	8.47	0.605

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for CYPRESS LAKE WEST INFLOW CANAL DRAIN (11AB085) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00 B	0.00 B	0.00 B	0.004 B	0.003	0.001	0.001	0.001	0.001	0.00	0.001 B	0.00 B
2	0.00 B	0.00 B	0.00 B	0.004 B	0.003	0.002	0.001	0.001	0.001	0.00	0.002 B	0.00 B
3	0.00 B	0.00 B	0.00 B	0.004 B	0.003	0.002	0.001	0.001	0.001	0.00	0.001 B	0.00 B
4	0.00 B	0.00 B	0.00 B	0.003 B	0.003	0.002	0.001	0.001	0.00	0.00	0.001 B	0.00 B
5	0.00 B	0.00 B	0.00 B	0.004 B	0.003	0.002	0.001	0.001	0.00	0.00	0.001 B	0.00 B
6	0.00 B	0.00 B	0.00 B	0.004 B	0.003	0.002	0.001	0.001	0.00	0.00	0.00 B	0.00 B
7	0.00 B	0.00 B	0.00 B	0.005 B	0.002	0.002	0.002	0.00	0.00	0.00	0.00 B	0.00 B
8	0.00 B	0.00 B	0.00 B	0.004 B	0.003	0.002	0.001	0.00	0.001	0.00	0.00 B	0.00 B
9	0.00 B	0.00 B	0.00 B	0.003 B	0.003	0.002	0.001	0.001	0.00	0.00	0.001 B	0.00 B
10	0.00 B	0.00 B	0.003 B	0.003 B	0.002	0.002	0.001	0.001	0.00	0.00	0.001 B	0.00 B
11	0.00 B	0.00 B	0.006 B	0.001 B	0.002	0.002	0.001	0.00	0.001	0.00	0.00 B	0.00 B
12	0.00 B	0.00 B	0.010 B	0.002 B	0.002	0.002	0.001	0.00	0.001	0.00	0.001 B	0.00 B
13	0.00 B	0.00 B	0.009 B	0.002	0.002	0.001	0.001	0.00	0.001	0.00	0.001 B	0.00 B
14	0.00 B	0.00 B	0.008 B	0.002	0.002	0.002	0.001	0.00	0.001	0.00	0.001 B	0.00 B
15	0.00 B	0.00 B	0.007 B	0.001	0.001	0.002	0.001	0.00	0.001	0.00	0.001 B	0.00 B
16	0.00 B	0.00 B	0.007 B	0.001	0.001	0.002	0.001	0.00	0.001	0.00	0.001 B	0.00 B
17	0.00 B	0.00 B	0.007 B	0.001	0.001	0.002	0.001	0.00	0.001	0.00	0.00 B	0.00 B
18	0.00 B	0.00 B	0.007 B	0.002	0.002	0.002	0.001	0.001	0.00	0.00	0.00 B	0.00 B
19	0.00 B	0.00 B	0.006 B	0.002	0.002	0.002	0.001	0.001	0.00	0.00	0.00 B	0.00 B
20	0.00 B	0.00 B	0.006 B	0.002	0.002	0.002	0.002	0.001	0.00	0.001	0.001 B	0.00 B
21	0.00 B	0.00 B	0.006 B	0.002	0.002	0.002	0.002	0.001	0.00	0.001	0.001 B	0.00 B
22	0.00 B	0.00 B	0.006 B	0.002	0.002	0.002	0.001	0.001	0.00	0.001	0.001 B	0.00 B
23	0.00 B	0.00 B	0.005 B	0.002	0.003	0.002	0.001	0.001	0.00	0.001	0.001 B	0.00 B
24	0.00 B	0.00 B	0.005 B	0.002	0.003	0.002	0.001	0.001	0.00	0.001	0.002 B	0.00 B
25	0.00 B	0.00 B	0.005 B	0.002	0.003	0.002	0.001	0.001	0.00	0.001	0.002 B	0.00 B
26	0.00 B	0.00 B	0.005 B	0.002	0.003	0.001	0.001	0.001	0.00	0.001	0.002 B	0.00 B
27	0.00 B	0.00 B	0.005 B	0.002	0.002	0.001	0.001	0.001	0.00	0.00	0.002 B	0.00 B
28	0.00 B	0.00 B	0.005 B	0.002	0.002	0.001	0.001	0.001	0.00	0.001	0.002 B	0.00 B
29	0.00 B	-	0.004 B	0.003	0.002	0.001	0.001	0.001	0.00	0.001	0.001 B	0.00 B
30	0.00 B	-	0.004 B	0.003	0.002	0.001	0.001	0.001	0.00	0.001	0.00 B	0.00 B
31	0.00 B	-	0.004 B	-	0.001	-	0.001	0.001	-	0.001	-	0.00 B
Mean	0.00	0.00	0.004	0.003	0.002	0.002	0.001	0.001	0.00	0.00	0.001	0.00
Max	0.00	0.00	0.010	0.005	0.003	0.002	0.002	0.001	0.001	0.001	0.002	0.00
Min	0.00	0.00	0.00	0.001	0.001	0.001	0.001	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.130	0.076	0.070	0.053	0.034	0.022	0.011	0.011	0.028	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for VIDORA DITCH NEAR CONSUL (11AB084) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.632	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.723	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.548	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.624	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	-	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	-	0.00	0.00	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	-	0.00	-	1.01	-	0.00	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.00	0.00	0.694	0.230	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	1.29	1.06	0.00	0.00	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	21.5	6.90	0.00	0.00	0.00	0.00	0.00	0.00
Total Dam³	0.00	0.00	0.00	0.00	1,860	596	0.00	0.00	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for RICHARDSON DITCH NEAR CONSUL (11AB058) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	0.004	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.003	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.002	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.002	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.001	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.954	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.858	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.905	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.634	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.323 E	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.116	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.014	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	-	0.00	0.00	0.009	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	-	0.00	0.00	0.007	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	-	0.00	-	0.005	-	0.00	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.00	0.00	0.700	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	2.09	0.004	0.00	0.00	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	21.7	0.012	0.00	0.00	0.00	0.00	0.00	0.00
Total Dam³	0.00	0.00	0.00	0.00	1,870	1.04	0.00	0.00	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for MCKINNON DITCH NEAR CONSUL (11AB044) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	0.406	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.418	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.430	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.206	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.016	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.008	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.005	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.002	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.358	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.670	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.024	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.019	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	-	0.00	0.00	0.656	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	-	0.00	0.00	0.659	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	-	0.00	-	0.494	-	0.00	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.00	0.00	0.707	0.050	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	0.00	1.78	0.430	0.00	0.00	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	21.9	1.49	0.00	0.00	0.00	0.00	0.00	0.00
Total Dam³	0.00	0.00	0.00	0.00	1,890	129	0.00	0.00	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for NASHLYN CANAL NEAR CONSUL (11AB018) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.516 B	0.232	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.629 B	0.384	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.560 B	0.429	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.565 B	0.428	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.743 B	0.172	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.735 B	0.026	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.692 B	0.011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.932	0.009	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.835	0.007	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.705	0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.015 B	0.602	0.003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.084 B	0.712	0.002	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.113 B	0.713	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.170 B	0.573	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.204 B	0.498	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.358 B	0.469	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.525 B	0.333	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.686 B	0.273	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.770 B	0.325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.758 B	0.393	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.748 B	0.434	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.716 B	0.571	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.662 B	0.570	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.573 B	0.483	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.557 B	0.441	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.431 B	0.345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.391 B	0.274	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.400 B	0.384	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	-	0.358 B	0.338	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	-	0.459 B	0.243	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	-	0.547 B	-	0.00	-	0.00	0.00	-	0.00	-	-
Mean	0.00	0.00	0.307	0.530	0.055	0.00	0.00	0.00	0.00	0.00	0.00	-
Max	0.00	0.00	0.770	0.932	0.429	0.00	0.00	0.00	0.00	0.00	0.00	-
Min	0.00	0.00	0.00	0.243	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Total	0.00	0.00	9.53	15.9	1.71	0.00	0.00	0.00	0.00	0.00	0.00	-
Total Dam ³	0.00	0.00	823	1,370	148	0.00	0.00	0.00	0.00	0.00	0.00	-

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES

Battle Creek Basin
Minor Diversions
 (Volume in Cubic Decametres)

Minor Diversions Associated with Nashlyn Diversion Area																	
File Number	March		April		May		June		July		August		September		October		Total
	1-25	26-9	10-24	25-9	10-25	26-9	10-24	25-9	10-25	26-9	10-25	26-9	10-24	25-9	10-25	26-31	
323																	
338																	
622	51.8																51.8
710																	
900																	
985																	
1247																	
1499	18.1																18.1
2841																	
2954	0.6																0.6
3855																	
3930																	
3931																	
4851	6.2																6.2
5293																	
5442	18.5																18.5
5512		9.0															9.0
5528																	
5529																	
5784																	
5940																	
6139	6.2																6.2
6150																	
6714																	
6719																	
6795																	
7144	3.6																3.6
8056																	
8225																	
8228																	
8314																	
8336	12.3																12.3
8559																	
8575	12.3																12.3
8646	9.3																9.3
8647	7.4																7.4
8648	4.3																4.3
8649	9.3																9.3
8998	21.6																21.6
9344	21.6																21.6
9679	1.0	2.3															3.3
10138																	
Sub-Total	204.0	11.3															215.3
Dom. Uses	73.4	4.1															77.5
Sub-Total	277	15															293

Continued ...

Battle Creek Basin (continued)
Minor Diversions
(Volume in Cubic Decametres)

Minor Diversions Associated with Richardson Diversion (Consul) Area																	
File Number	March		April		May		June		July		August		September		October		Total
	1-23	24-7	8-22	23-7	8-23	24-7	8-22	23-7	8-23	24-7	8-23	24-7	8-22	23-7	8-23	24-29	
606																	
765																	
1753	168.6	33.7															202.3
1754	7.7	12.9	31.4	17.5													69.4
1786	4.9																4.9
2124																	
2159																	
2282																	
2283																	
2500																	
2655																	
2755	30.8																30.8
3586																	
5263	7.4	17.3															24.7
5292	10.7																10.7
5420																	
5421																	
5422																	
5453	5.6	13.0															18.5
5455																	
5539																	
5540																	
5557																	
5874																	
6308																	
7241																	
8107		9.3															9.3
8192	13.7	6.9															20.6
9759																	
9760																	
9811	10.1	2.2															12.3
11191																	
11192																	
11805	4.1																4.1
Sub-Total	263.6	95.2	31.4	17.5													407.6
Dom. Uses	94.9	34.3	11.3	6.3													146.7
Sub-Total	359	129	43	24													554

Continued

Battle Creek Basin (continued)
Minor Diversions
(Volume in Cubic Decametres)

Minor Diversions Associated with Cypress Lake Area																	
File	March		April		May		June		July		August		September		October		Total
	1-25	26-9	10-24	25-9	10-25	26-9	10-24	25-9	10-25	26-9	10-25	26-9	10-24	10-25	26-31		
86				21.0	15.2	24.4	36.2	23.8	34.5	24.9							180.0
110					16.8	16.8	29.5	21.1	33.7	16.8							134.7
181	15.4																15.4
219	30.2																30.2
237	18.5																18.5
358																	
5609	9.9																9.9
10340						1.2											1.2
13756				14.2	86.4	61.2	38.2	27.3									227.4
14422					22.3	27.9	39.0										89.1
15610				12.2	12.2	12.2	20.4	8.2	24.5								89.8
Sub-Total	74.0			47.4	153.0	143.8	163.3	80.3	92.7	41.7							796.2
Dom. Uses	26.6			17.1	55.1	51.8	58.8	28.9	33.4	15.0							286.6
Sub-Total	101			65	208	196	222	109	126	57							1083

Minor Diversions Associated with Gaff Ditch Area																	
37					8.8		8.8	53.1	70.8	44.2							185.8
38					10.5	26.3	63.2	31.7	7.9	68.5	26.4	10.6					245.1
52			31.1														31.1
59	61.4		38.4	53.8													153.6
71					24.7												24.7
73																	
77																	
190			233.6														233.6
5193	3.4	2.7															6.2
5527																	
9803																	
9917	3.2	9.1															12.3
14994					21.2		21.2	127.2	169.7	31.8							371.1
17513						3.6	25.2	14.4	14.4	21.6							79.3
Sub-Total	68.1	11.8	303.1	53.8	65.3	29.9	118.5	226.4	262.8	166.2	26.4	10.6					1342.8
Dom. Uses	24.5	4.3	109.1	19.4	8.9	1.3	9.1	5.2	5.2	7.8							194.7
Sub-Total	93	16	412	73	74	31	128	232	268	174	26	11					1538

Continued ...

Battle Creek Basin (continued)
Minor Diversions
(Volume in Cubic Decametres)

Minor Diversions Associated with Upper Battle Creek (Reesor Lake) Area																	
File Number	March		April		May		June		July		August		September		October		Total
	1-25	26-9	10-24	25-9	10-25	26-9	10-24	25-9	10-25	26-9	10-25	26-9	10-24	25-9	10-25	26-31	
Adams Lake																	
Alberta Use																	
Sub-Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dom. Uses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Minor Diversions from Battle Creek (Less Adams Lake)																	
Nashlyn Area	204.0	11.3															215.3
Consul Area	263.6	95.2	31.4	17.5													407.6
Cypress Lake	74.0			47.4	153.0	143.8	163.3	80.3	92.7	41.7							796.2
Gaff Ditch	68.1	11.8	303.1	53.8	65.3	29.9	118.5	226.4	262.8	166.2	26.4	10.6					1342.8
Reesor Lake																	
Total	610	118	334	119	218	174	282	307	355	208	26	11					2762

Percent Domestic Use (From Table) 0.360

Total Diversions (minor and domestic) from Battle Creek including Adams Lake																	
Nashlyn Area	277.4	15.4															292.9
Consul Area	358.5	129.4	42.7	23.8													554.4
Cypress Lake	100.6			64.5	208.1	195.6	222.1	109.2	126.0	56.8							1082.9
Gaff Ditch	92.6	16.1	412.2	73.1	74.1	31.2	127.6	231.6	268.0	174.0	26.4	10.6					1537.5
Reesor Lake																	
Total	829	161	455	161	282	227	350	341	394	231	26	11					3468

Water Rights Data supplied by Saskatchewan Water Security Agency and Alberta Environment Parks
Totals of columns and rows may not add exactly due to rounding.
See Upper Battle Creek Depletion computations for Adams Lake

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

06164000 FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY 11AC041
 DISCHARGE, IN CUBIC METERS PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 2021
 DAILY MEAN VALUES

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	---	---	e0.505	7.82	1.45	1.22	0.169	0.0003	1.00	0.00	---	---
2	---	---	e0.648	7.24	1.08	1.23	0.156	0.0001	0.894	0.00	---	---
3	---	---	e0.775	3.85	1.19	1.21	0.155	0.00	0.922	0.00	---	---
4	---	---	e0.812	1.48	1.59	1.30	0.158	0.00	0.856	0.00	---	---
5	---	---	e0.838	1.72	1.64	1.12	0.144	0.00	0.858	0.00	---	---
6	---	---	e0.850	2.92	1.64	0.766	0.152	0.00	0.763	0.00	---	---
7	---	---	e0.834	2.78	1.60	0.795	0.181	0.00	0.978	0.00	---	---
8	---	---	e0.851	7.83	1.68	0.889	0.335	0.00	0.835	0.00	---	---
9	---	---	e1.07	9.68	1.77	1.18	1.11	0.00	0.540	0.00	---	---
10	---	---	e1.46	10.90	1.50	1.06	0.974	0.00	0.305	0.00	---	---
11	---	---	e1.47	8.38	0.764	0.865	1.34	0.00	0.182	0.00	---	---
12	---	---	e2.06	5.19	0.516	0.783	1.31	0.00	0.102	0.00	---	---
13	---	---	e2.19	5.10	0.461	0.607	1.31	0.00	0.049	0.00	---	---
14	---	---	e1.96	3.14	0.438	0.348	1.34	0.00	0.031	0.00	---	---
15	---	---	e1.72	5.05	0.406	0.233	1.10	0.00	0.023	0.00	---	---
16	---	---	e1.35	6.08	0.394	0.209	0.704	0.00	0.016	0.00	---	---
17	---	---	e0.833	3.36	0.457	0.200	0.469	0.00	0.011	0.00	---	---
18	---	---	e0.833	2.66	0.894	0.187	0.314	0.00	0.008	0.00	---	---
19	---	---	e0.850	1.92	0.958	0.159	0.209	0.00	0.005	0.00	---	---
20	---	---	e0.883	1.25	1.02	0.166	0.133	0.0002	0.003	0.00	---	---
21	---	---	e0.834	1.15	1.17	0.155	0.087	0.0001	0.002	0.00	---	---
22	---	---	e0.591	1.11	1.12	0.168	0.060	0.0002	0.001	0.00	---	---
23	---	---	e0.439	1.08	1.21	0.175	0.040	0.0001	0.0009	0.00	---	---
24	---	---	e0.515	1.63	1.30	0.165	0.026	0.855	0.0007	0.00	---	---
25	---	---	e0.488	2.03	1.54	0.186	0.016	0.919	0.0005	0.00	---	---
26	---	---	e0.741	1.41	1.37	0.193	0.010	0.831	0.0004	0.00	---	---
27	---	---	e2.02	1.42	1.29	0.201	0.006	1.07	0.0003	0.00	---	---
28	---	---	e2.00	1.68	1.20	0.203	0.004	0.872	0.0001	0.00	---	---
29	---	---	e1.41	1.90	1.28	0.206	0.002	0.874	0.00	0.00	---	---
30	---	---	0.906	1.61	1.27	0.192	0.0009	0.861	0.00	0.0001	---	---
31	---	---	2.90	---	1.10	---	0.0006	0.786	---	0.00	---	---
Total	---	---	35.6	113.4	35.3	16.4	12.0	7.1	8.4	0.0	---	---
Mean	---	---	1.15	3.78	1.14	0.546	0.388	0.228	0.280	0.00	---	---
Max	---	---	2.90	10.90	1.77	1.30	1.34	1.07	1.00	0.0001	---	---
Min	---	---	0.439	1.08	0.394	0.155	0.001	0.00	0.00	0.00	---	---
Dam³	---	---	3,076	9,798	3,050	1,417	1,037	613	726	0	---	---

e--Estimated

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for BELANGER CREEK DIVERSION TO CYPRESS LAKE (11AC064) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.849 B	0.122	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.708 B	0.121	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	1.35 B	0.118	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	1.35 B	0.123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	1.37 B	0.090	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.971 B	0.031	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.759 B	0.117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.628 B	0.153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.512 B	0.194	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.430 B	0.190	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.014 B	0.358	0.165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.183 B	0.297	0.147	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.329 B	0.237	0.143	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.378 B	0.052	0.108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.290 B	0.231	0.009	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.198 B	0.222	0.003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.185 B	0.226	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.243 B	0.235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.289 B	0.229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.374 B	0.228	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.435 B	0.218	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.456 B	0.194	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.546 B	0.133	0.024	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.285 B	0.135	0.032	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.239 B	0.148	0.332	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.224 B	0.152	0.865	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.192 B	0.142	0.715	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.300 B	0.118	0.324	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	-	1.02 B	0.117	0.155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	-	0.920 B	0.124	0.072	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	-	0.901 B	-	0.00	-	0.00	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.258	0.424	0.140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	1.02	1.37	0.865	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.052	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	8.00	12.7	4.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dam³	0.00	0.00	691	1,100	376	0.00	0.00	0.00	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Water Level Data for CYPRESS LAKE (11AC037) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Water Level (m)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	975.315	975.315	975.320	975.459	975.678	975.554	975.397	975.206	975.080	974.973	974.895	974.888
2	975.315	975.315	975.320	975.467	975.681	975.551	975.386	975.198	975.071	974.967	974.894	974.887
3	975.315	975.317	975.320	975.483	975.678	975.546	975.380	975.194	975.066	974.963	974.893	974.886
4	975.315	975.317	975.320	975.505	975.682	975.540	975.367	975.192	975.064	974.964	974.891	974.886
5	975.316	975.317	975.320	975.527	975.688	975.529	975.357	975.186	975.062	974.963	974.886	974.896
6	975.315	975.317	975.321	975.551	975.690	975.517	975.346	975.181	975.058	974.960	974.889	974.890
7	975.314	975.317	975.321	975.578	975.690	975.510	975.347	975.173	975.054	974.955	974.884	974.891
8	975.314	975.317	975.321	975.601	975.693	975.505	975.340	975.169	975.049	974.954	974.884	974.894
9	975.315	975.316	975.321	975.622	975.696	975.498	975.332	975.166	975.044	974.950	974.886	974.895
10	975.315	975.317	975.322	975.634	975.695	975.515	975.327	975.161	975.044	974.944	974.879	974.893
	A											
11	975.315	975.317	975.323	975.645	975.694	975.506	975.321	975.155	975.043	974.941	974.881	974.893
12	975.315	975.316	975.325	975.652	975.683	975.502	975.308	975.148	975.047	974.939	974.877	974.891
13	975.319	975.316	975.328	975.656	975.669	975.497	975.300	975.145	975.043	974.934	974.881	974.892
14	975.317	975.316	975.331	975.656	975.655	975.495	975.292	975.142	975.041	974.929	974.884	974.892
15	975.315	975.316	975.337	975.657	975.639	975.490	975.286	975.138	975.038	974.924	974.894	974.893
16	975.314	975.315	975.343	975.661	975.621	975.478	975.281	975.133	975.029	974.921	974.886	974.895
17	975.314	975.317	975.348	975.663	975.603	975.474	975.277	975.134	975.023	974.916	974.891	974.899
18	975.319	975.315	975.355	975.668	975.580	975.468	975.271	975.126	975.017	974.921	974.888	974.895
19	975.317	975.315	975.364	975.669	975.561	975.463	975.268	975.122	975.013	974.914	974.889	974.897
20	975.317	975.314	975.373	975.669	975.553	975.457	975.269	975.121	975.010	974.910	974.889	974.897
21	975.315	975.314	975.383	975.668	975.541	975.448	975.270	975.116	975.008	974.905	974.890	974.897
22	975.314	975.315	975.392	975.683	975.544	975.443	975.265	975.114	975.005	974.904	974.889	974.897
23	975.314	975.317	975.400	975.669	975.552	975.442	975.254	975.112	975.005	974.901	974.890	974.899
24	975.314	975.320	975.408	975.670	975.559	975.434	975.246	975.106	974.996	974.901	974.889	974.900
25	975.315	975.319	975.415	975.674	975.566	975.429	975.241	975.099	974.997	974.900	974.887	974.898
26	975.316	975.319	975.421	975.677	975.566	975.426	975.235	975.095	974.993	974.897	974.886	974.901
27	975.315	975.321	975.427	975.680	975.571	975.420	975.231	975.093	974.991	974.895	974.887	974.900
28	975.315	975.320	975.432	975.679	975.566	975.414	975.225	975.094	974.988	974.895	974.885	974.900
29	975.315	-	975.449	975.680	975.565	975.409	975.220	975.089	974.978	974.900	974.886	974.901
30	975.315	-	975.451	975.675	975.561	975.405	975.216	975.089	974.975	974.903	974.886	974.900
31	975.315	-	975.453	-	975.558	-	975.210	975.086	-	974.900	-	974.894
Mean	975.315	975.317	975.363	975.626	975.622	975.479	975.292	975.138	975.028	974.927	974.887	974.895
Max	975.319	975.321	975.453	975.683	975.696	975.554	975.397	975.206	975.080	974.973	974.895	974.901
Min	975.314	975.314	975.320	975.459	975.541	975.405	975.210	975.086	974.975	974.895	974.877	974.886

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for CYPRESS LAKE EAST OUTFLOW CANAL (11AC060) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.128 B	0.097 B	0.046 B	0.734	0.104	0.493	0.043	0.003	0.031	0.018	0.060	0.093
2	0.124 B	0.103 B	0.054 B	0.538	0.103	0.338	0.082	0.004	0.028	0.019	0.064	0.091
3	0.124 B	0.103 B	0.065 B	0.301	0.101	0.416	0.044	0.004	0.076	0.024	0.063	0.081
4	0.112 B	0.098 B	0.054 B	0.195	0.102	0.260	0.040	0.010	0.002	0.007	0.060	0.077
5	0.082 B	0.091 B	0.047 B	0.122 B	0.105	0.276	0.038	0.007	0.001	0.012	0.059	0.080 B
6	0.043 B	0.081 B	0.042 B	0.123 B	0.089	0.431	0.039	0.005	0.004	0.013	0.059	0.064 B
7	0.036 B	0.065 B	0.044 B	0.131 B	0.079	0.366	0.046	0.004	0.033	0.020	0.059	0.057 B
8	0.034 B	0.034 B	0.059 B	0.115	0.091	0.207	0.051	0.003	0.022	0.035	0.058	0.055 B
9	0.026 B	0.011 B	0.087 B	0.094	0.114	0.176	0.052	0.002	0.009	0.062	0.061	0.053 B
10	0.078 B	0.006 B	0.099 B	0.091	0.108	0.221	0.047	0.010	0.006	0.075	0.062	0.056 B
11	0.095 B	0.006 B	0.080 B	0.087	0.112	0.234	0.044	0.025	0.008	0.070	0.060	0.053 B
12	0.093 B	0.006 B	0.190 B	0.084	0.116	0.324	0.043	0.035	0.044	0.064	0.053	0.048 B
13	0.084 B	0.005 B	0.491 B	0.081	0.114	0.295	0.043	0.026	0.025	0.079	0.063	0.042 B
14	0.031 B	0.005 B	1.11 B	0.074	0.121	0.237	0.043	0.017	0.021	0.075	0.065	0.042 B
15	0.076 B	0.004 B	1.70 B	0.068	0.138	0.219	0.077	0.012	0.023	0.072	0.081	0.041 B
16	0.100 B	0.004 B	2.73 B	0.074	0.147	0.169	0.058	0.010	0.025	0.104	0.081 B	0.041 B
17	0.103 B	0.004 B	2.48 B	0.074	0.203	0.162	0.040	0.004	0.014	0.122	0.088 B	0.039 B
18	0.098 B	0.005 B	1.93 B	0.072	0.402	0.170	0.039	0.007	0.018	0.045	0.078	0.033 B
19	0.096 B	0.007 B	1.95 B	0.073	0.714	0.143	0.038	0.017	0.056	0.046	0.083	0.031 B
20	0.097 B	0.007 B	1.78 B	0.068	0.696	0.131	0.045	0.081	0.023	0.044	0.082	0.029 B
21	0.059 B	0.004 B	1.23 B	0.065	0.676	0.123	0.049	0.123	0.016	0.060	0.079	0.027 B
22	0.038 B	0.004 B	0.929 B	0.063	0.666	0.122	0.048	0.077	0.011	0.064	0.079	0.025 B
23	0.032 B	0.006 B	0.666 B	0.076	0.734	0.104	0.048	0.057	0.013	0.065	0.085	0.030 B
24	0.020 B	0.006 B	0.460 B	0.089	0.888	0.091	0.053	0.028	0.048	0.066	0.076	0.031 B
25	0.028 B	0.012 B	0.476 B	0.151	0.821	0.084	0.044	0.033	0.035	0.066	0.079	0.030 B
26	0.031 B	0.014 B	0.310 B	0.260	0.886	0.074	0.026	0.039	0.006	0.061	0.093	0.029 B
27	0.043 B	0.020 B	0.360 B	0.183	0.747	0.068	0.008	0.027	0.036	0.062	0.092	0.028 B
28	0.058 B	0.032 B	0.613 B	0.140	0.694	0.060	0.006	0.076	0.023	0.087	0.088	0.026 B
29	0.062 B	-	0.310 B	0.125	0.646	0.053	0.008	0.070	0.008	0.046	0.093	0.024 B
30	0.073 B	-	0.180 B	0.121	0.636	0.047	0.012	0.044	0.016	0.063	0.087	0.020 B
31	0.084 B	-	0.708 B	-	0.595	-	0.004	0.035	-	0.056	-	0.015 B
Mean	0.071	0.030	0.686	0.149	0.379	0.203	0.041	0.029	0.023	0.055	0.073	0.045
Max	0.128	0.103	2.73	0.734	0.888	0.493	0.082	0.123	0.076	0.122	0.093	0.093
Min	0.020	0.004	0.042	0.063	0.079	0.047	0.004	0.002	0.001	0.007	0.053	0.015
Total	2.19	0.840	21.3	4.47	11.7	6.09	1.26	0.895	0.681	1.70	2.19	1.39
Total Dam³	189	72.6	1,840	386	1,020	527	109	77.3	58.8	147	189	120

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES

**STORAGE FACTORS AND EVAPORATION LOSSES
2021**

EASTEND RESERVOIR

11AC055

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	916.744	7 660	0.000	0	679	614	-65
2	918.213	11 729	0.000	0	614	2 321	1 707
3	918.525	16 946	0.000	0	2 321	2 847	526
4	918.605	19 026	0.027	51	2 847	3 000	204
5	918.544	19 133	0.016	30	3 000	2 884	-86
6	918.046	16 228	0.032	52	2 884	2 069	-763
7	918.015	14 330	0.057	82	2 069	2 023	35
8	918.021	14 258	0.055	78	2 023	2 032	87
9	917.991	14 186	0.067	95	2 032	1 988	51
10	918.037	14 234	0.056	80	1 988	2 055	148
11	917.945	14 106	0.047	66	2 055	1 923	-67
12	917.888	13 743	-0.007	-9	1 923	1 845	-87
13	917.774	13 343	0.043	58	1 845	1 697	-90
14	917.761	13 056	0.022	28	1 697	1 680	12
15	917.728	12 953	0.032	42	1 680	1 636	-2
16	917.732	12 885	0.018	23	1 636	1 642	28



Daily Discharge Data for EASTEND CANAL NEAR EASTEND (11AC052) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00	0.00	1.19
2	0.00	0.00	0.00	0.00	0.00	0.955	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	-	0.00	0.00	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	-	0.00	0.00	1.85	0.00	0.00	0.00	0.00	0.00	0.142	0.00
31	0.00	-	0.00	-	1.69	-	0.00	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.00	0.00	1.70	0.074	0.00	0.00	0.00	0.00	0.005	0.038
Max	0.00	0.00	0.00	0.00	2.10	1.27	0.00	0.00	0.00	0.00	0.142	1.19
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	52.6	2.23	0.00	0.00	0.00	0.00	0.142	1.19
Total Dam³	0.00	0.00	0.00	0.00	4,540	192	0.00	0.00	0.00	0.00	12.3	103

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES

VAL MARIE EVAPORATION STATION NO. 11ACM01
Station Elevation: 600 m
2021

March					April					May					June				
Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Period Evaporation Summations M	Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Period Evaporation Summations M	Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Period Evaporation Summations M	Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Period Evaporation Summations M
1	1.06	0	1.06	Eastend*	1	2.58	0	2.58		1	5.72	0	5.72		1	4.34	0	4.34	
2	1.42	0	1.42	Huff / Newton**	2	3.66	0	3.66		2	3.15	0	2.95		2	5.02	0	5.02	
3	1.24	0	1.24		3	2.68	0	2.68		3	2.71	0	2.71		3	5.82	0	5.82	
4	1.19	0	1.19		4	2.83	0	2.83		4	2.36	0	2.36		4	5.63	0	5.63	
5	0.91	0	0.91		5	3.00	0	3.00		5	1.32	0	0.92		5	5.64	0	5.64	
6	1.23	0	1.23		6	2.42	0	2.42		6	3.55	0	3.15		6	4.18	0	4.18	
7	1.57	0	1.57		7	3.29	0	3.29		7	3.67	0	3.67		7	5.47	0	5.47	
8	1.39	0	1.39	0.000*	8	2.59	0	2.59	0.000*	8	-0.24	22	-22.04	0.016*	8	2.10	4	-1.50	0.057*
9	0.33	0	0.33		9	2.95	0	2.95		9	2.04	2	0.04		9	2.74	0	2.54	
10	1.31	0	1.31		10	1.93	0	1.73		10	2.81	0	2.81		10	1.59	16	-14.61	
11	0.91	0	0.91		11	1.53	0	1.53		11	3.16	0	3.16		11	5.02	0	4.82	
12	1.23	0	1.23	0.000**	12	1.34	0	1.34	0.000**	12	2.90	0	2.90	0.020**	12	3.74	0	3.74	0.042**
13	1.51	0	1.51		13	0.84	0	0.84		13	3.18	0	3.18		13	5.32	0	5.32	
14	2.35	0	2.35		14	1.30	0	1.30		14	2.22	2	0.22		14	5.91	0	5.91	
15	1.57	0	1.57		15	1.11	2	-0.49		15	2.80	0	2.80		15	7.87	0	7.87	
16	1.61	0	1.61		16	2.53	0	2.53		16	4.55	0	4.55		16	7.04	0	7.04	
17	1.56	0	1.56		17	2.70	0	2.70		17	6.49	0	6.49		17	5.73	0	5.73	
18	2.46	0	2.46		18	1.18	0	0.98		18	5.58	0	5.58		18	5.54	0	5.54	
19	2.08	0	2.08		19	1.58	0	1.58		19	5.01	0	5.01		19	2.58	0	2.58	
20	1.53	0	1.53		20	2.15	0	1.95		20	0.15	2	-1.85		20	3.91	0	3.91	
21	2.28	0	2.28		21	2.99	0	2.99		21	0.34	4	-3.46		21	3.99	0	3.99	
22	2.31	0	2.31		22	2.28	0	2.28		22	1.40	0	1.40		22	5.62	0	5.62	
23	0.75	0	0.75		23	2.65	0	2.65	0.027*	23	0.40	2	-1.20		23	4.84	0	4.84	0.055*
24	1.74	0	1.74	0.000*	24	1.99	0	1.99		24	1.86	1	0.46	0.032*	24	1.77	1	0.77	
25	1.21	0	1.21		25	0.39	3	-2.61		25	1.77	0	1.37		25	4.86	0	4.86	
26	0.58	0	0.18		26	2.60	0	2.60		26	1.46	0	1.46		26	5.35	0	5.35	
27	1.70	0	1.70		27	2.89	0	2.89	0.024**	27	4.28	0	4.08		27	5.72	0	5.72	0.075**
28	3.00	0	3.00	0.000**	28	3.52	0	3.52		28	4.67	0	4.47	0.035**	28	5.14	0	5.14	
29	1.38	1	0.58		29	3.57	0	3.57		29	3.65	0	3.65		29	5.38	0	5.38	
30	1.44	0	1.44		30	4.44	0	4.44		30	4.01	0	4.01		30	5.66	0	5.66	
31	1.92	0	1.92							31	3.99	1	3.39						
Total	46.78	1.2	45.58		Total	71.52	5.2	66.32		Total	90.97	37	53.97		Total	143.51	21.2	122.31	

..... Continued

VAL MARIE EVAPORATION STATION NO. 11ACM01
Station Elevation: 600 m
2021

July					Aug.					Sept.					Oct.				
Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe-TB ppt	Period Evaporation Summations M	Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Period Evaporation Summations M	Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe-TB ppt	Period Evaporation Summations M	Date	Penman Evaporation Pe mm	Tipping Bucket ppt mm	Net Reservoir Evaporation Pe - TB ppt	Period Evaporation Summations M
1	6.58	0	6.58	Eastend *	1	4.56	0	4.56		1	4.06	0	4.06		1	2.22	0	2.22	
2	7.49	0	7.49	Huff / Newton **	2	3.60	0	3.60		2	2.96	0	2.96		2	2.14	0	2.14	
3	4.92	0	4.92		3	0.95	3	-2.45		3	1.82	0	1.82		3	3.05	0	3.05	
4	5.16	0	5.16		4	4.70	0	4.70		4	2.84	0	2.84		4	2.15	0	2.15	
5	4.35	0	4.35		5	4.06	0	4.06		5	3.54	0	3.54		5	2.34	0	2.34	
6	3.25	0	3.25		6	2.33	0	2.33		6	3.86	0	3.86		6	1.76	0	1.76	
7	3.57	1	2.57		7	3.84	0	3.84		7	2.89	0	2.89		7	0.85	0.8	0.05	
8	1.79	2	-0.41	0.067 *	8	2.02	6	-3.58	0.047 *	8	3.07	0	3.07	0.043 *	8	1.17	0.2	0.97	0.032 *
9	3.07	7	-3.93		9	0.99	14	-13.21		9	3.26	0	3.26		9	1.04	0	1.04	
10	5.57	0	5.57		10	1.23	0	1.23		10	2.71	0	2.71		10	1.91	0	1.91	
11	5.60	0	5.60		11	4.12	0	4.12		11	0.34	15	-14.26		11	0.79	0	0.79	
12	5.13	0	4.93	0.062 **	12	4.70	0	4.70	0.027 **	12	1.68	0	1.48	0.030 **	12	0.70	0	0.70	0.026 **
13	2.57	7	-4.03		13	4.55	0	4.55		13	2.89	0	2.89		13	0.47	0	0.47	
14	4.93	0	4.73		14	4.52	0	4.52		14	2.87	0	2.87		14	0.91	0	0.91	
15	5.34	0	5.34		15	2.50	0	2.50		15	3.28	0	3.28		15	1.36	0	1.36	
16	4.64	0	4.24		16	3.61	0	3.61		16	2.69	1	1.49		16	1.91	0	1.91	
17	4.20	0	4.00		17	3.85	1	3.25		17	2.74	0	2.74		17	1.97	0	1.97	
18	5.15	0	5.15		18	0.64	3	-1.96		18	3.98	0	3.98		18	1.45	0	1.45	
19	2.49	0	2.49		19	0.86	6	-5.54		19	1.89	0	1.89		19	1.06	0	1.06	
20	3.83	0	3.43		20	0.98	10	-9.42		20	2.07	0	2.07		20	0.87	0	0.87	
21	4.54	0	4.54		21	2.61	0	2.61		21	2.43	0	2.43		21	1.23	0	1.23	
22	5.50	0	5.50		22	1.42	14	-12.98		22	2.86	0	2.86		22	0.83	0	0.83	
23	4.65	0	4.65		23	3.43	0	3.43		23	2.06	0	2.06	0.022 *	23	0.93	0	0.93	
24	4.25	0	4.25	0.056 *	24	1.95	0	1.95	-0.007 *	24	2.17	0	2.17		24	0.62	0	0.62	0.018 *
25	4.81	0	4.81		25	3.04	0	3.04		25	3.04	0	3.04		25	0.62	2	-1.58	
26	4.40	0	4.40		26	2.88	0	2.88		26	2.69	0	2.69		26	0.95	2	-0.85	
27	5.32	0	5.32		27	0.99	2	-1.41		27	2.65	0	2.65	0.039 **	27	1.52	0	1.52	
28	2.07	0	1.87	0.061 **	28	2.63	0	2.63	0.004 **	28	2.64	0	2.64		28	1.38	0	1.38	0.014 **
29	3.92	0	3.92		29	3.40	0	3.40		29	2.00	0	2.00		29	0.47	4	-3.13	
30	4.62	0	4.62		30	3.58	0	3.58		30	2.22	0	2.22		30	0.78	0	0.58	
31	4.56	0	4.56		31	4.32	0	4.32						31	0.46	0	0.46		
Total	138.26	18.4	119.86		Total	88.85	60	28.85		Total	80.21	16	64.21		Total	39.92	8.8	31.12	

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**STORAGE FACTORS AND EVAPORATION LOSSES
2021**

HUFF LAKE

11AC063

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	815.219	16 225	0.000	0	1 826	2 633	808
2	815.679	18 545	0.000	0	2 633	3 488	855
3	815.626	19 460	0.000	0	3 488	3 381	-107
4	815.695	19 500	0.024	47	3 381	3 520	186
5	815.480	19 148	0.020	38	3 520	3 101	-381
6	814.616	16 640	0.035	58	3 101	1 693	-1 351
7	815.414	16 475	0.042	69	1 693	2 976	1 353
8	815.275	18 020	0.075	135	2 976	2 734	-107
9	815.290	17 710	0.062	110	2 734	2 761	137
10	815.298	17 770	0.061	108	2 761	2 777	124
11	815.291	17 770	0.027	48	2 777	2 763	34
12	815.385	17 990	0.004	7	2 763	2 924	168
13	815.348	18 130	0.030	54	2 924	2 861	-9
14	814.968	17 132	0.039	67	2 861	2 228	-566
15	814.912	16 100	0.026	42	2 228	2 139	-48
16	814.960	16 080	0.014	23	2 139	2 217	100

**STORAGE FACTORS AND EVAPORATION LOSSES
2021**

NEWTON LAKE

11AC056

PERIOD	ELEVATION At End of Period (m)	MEAN RESERVOIR SURFACE AREA (dam ²)	EVAPORATION		STORAGE AT		NET CHANGE IN STORAGE (dam ³)
			Penman (m)	Reservoir (dam ³)	Beginning of Period (dam ³)	End of Period (dam ³)	
1	802.955	49 790	0.000	0	9 409	10 502	1 093
2	803.199	53 863	0.000	0	10 502	11 810	1 308
3	803.223	56 553	0.000	0	11 810	11 949	139
4	803.270	57 358	0.024	139	11 949	12 220	410
5	803.258	57 772	0.020	115	12 220	12 152	46
6	802.738	52 364	0.035	181	12 152	9 417	-2 553
7	802.493	46 480	0.042	196	9 417	8 280	-941
8	802.538	45 195	0.075	339	8 280	8 481	541
9	802.415	44 701	0.062	278	8 481	7 935	-268
10	802.380	43 676	0.061	265	7 935	7 781	110
11	802.299	42 968	0.027	116	7 781	7 431	-234
12	801.599	38 790	0.004	14	7 431	4 714	-2 703
13	801.316	33 527	0.030	99	4 714	3 769	-846
14	801.535	33 186	0.039	130	3 769	4 495	855
15	801.546	34 492	0.026	90	4 495	4 532	127
16	801.552	34 588	0.014	49	4 532	4 553	69



Daily Discharge Data for HUFF LAKE GRAVITY CANAL (11AC065) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00 E	0.00 E	0.00 E	0.00 E	0.00	0.825	0.00	0.00	0.00	0.00	0.00	0.00 E
2	0.00 E	0.00 E	0.00 E	0.00 E	0.00	0.733	0.00	0.00	0.00	0.00	0.00	0.00 E
3	0.00 E	0.00 E	0.00 E	0.00 E	0.00	0.583	0.00	0.00	0.00	0.00	0.188	0.00 E
4	0.00 E	0.00 E	0.00 E	0.00 E	0.00	0.220	0.00	0.00	0.00	0.00	0.217	0.00 E
5	0.00 E	0.00 E	0.00 E	0.00 E	0.227	0.00	0.00	0.00	0.00	0.00	0.00	0.00 E
6	0.00 E	0.00 E	0.00 E	0.00 E	0.992	0.00	0.00	0.00	0.00	0.00	0.00	0.00 E
7	0.00 E	0.00 E	0.00 E	0.00 E	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00 E
8	0.00 E	0.00 E	0.00 E	0.00 E	1.03	0.00	0.00	0.00	0.00	0.00	0.00 A	0.00 E
9	0.00 E	0.00 E	0.00 E	0.00 E	1.00	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
10	0.00 E	0.00 E	0.00 E	0.00 E	0.975	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
11	0.00 E	0.00 E	0.00 E	0.00 E	0.965	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
12	0.00 E	0.00 E	0.00 E	0.00 E	1.08	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
13	0.00 E	0.00 E	0.00 E	0.00 E	1.19	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
14	0.00 E	0.00 E	0.00 E	0.00 E	1.19	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
15	0.00 E	0.00 E	0.00 E	0.00 E	1.18	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
16	0.00 E	0.00 E	0.00 E	0.00 E	1.16	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
17	0.00 E	0.00 E	0.00 E	0.00 E	1.14	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
18	0.00 E	0.00 E	0.00 E	0.00 E	1.13	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
19	0.00 E	0.00 E	0.00 E	0.00 E	1.09	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
20	0.00 E	0.00 E	0.00 E	0.00 E	1.03	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
21	0.00 E	0.00 E	0.00 E	0.00 E	1.00	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
22	0.00 E	0.00 E	0.00 E	0.00 E	0.969	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
23	0.00 E	0.00 E	0.00 E	0.00 E	0.943	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
24	0.00 E	0.00 E	0.00 E	0.00 E	0.949	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
25	0.00 E	0.00 E	0.00 E	0.00 E	0.895	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
26	0.00 E	0.00 E	0.00 E	0.00 E	0.897	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
27	0.00 E	0.00 E	0.00 E	0.00 E	0.910	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
28	0.00 E	0.00 E	0.00 E	0.00 E	0.914	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
29	0.00 E	-	0.00 E	0.00 A	0.900	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
30	0.00 E	-	0.00 E	0.00 A	0.953	0.00	0.00	0.00	0.00	0.00	0.00 E	0.00 E
31	0.00 E	-	0.00 E	-	0.900	-	0.00	0.00	-	0.00	-	-
Mean	0.00	0.00	0.00	0.00	0.859	0.079	0.00	0.00	0.00	0.00	0.014	-
Max	0.00	0.00	0.00	0.00	1.19	0.825	0.00	0.00	0.00	0.00	0.217	-
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Total	0.00	0.00	0.00	0.00	26.6	2.36	0.00	0.00	0.00	0.00	0.405	-
Total Dam³	0.00	0.00	0.00	0.00	2,300	204	0.00	0.00	0.00	0.00	35.0	-

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for HUFF LAKE PUMPING CANAL (11AC066) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	0.414	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.236	0.00	0.00	0.00	0.041	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.132	0.00	0.00	0.00	0.047	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.046	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.742	0.00	0.00	0.00	0.00	0.034	0.00	0.00
7	0.00	0.00	0.00	0.00	0.707	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.667	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.643	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.693	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.552	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.727	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.585	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.618	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.732	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.721	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.701	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.588	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.629	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.578	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.568	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.661	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.665	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.634	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.615	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.542	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.484	0.00	0.00	0.00	0.064	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.546	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	-	0.00	0.00	0.545	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	-	0.00	0.00	0.610	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	-	0.00	-	0.615	-	0.00	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.00	0.00	0.529	0.026	0.00	0.00	0.002	0.004	0.00	0.00
Max	0.00	0.00	0.00	0.00	0.742	0.414	0.00	0.00	0.064	0.047	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	16.4	7.82	0.00	0.00	0.064	0.122	0.00	0.00
Total Dam³	0.00	0.00	0.00	0.00	1,420	67.6	0.00	0.00	5.53	10.5	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES



Daily Discharge Data for NEWTON LAKE MAIN CANAL (11AC054) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	1.62	0.002 E	0.00 E	1.21	0.002 E	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	1.23	0.002 E	0.00 E	1.13	0.001 E	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.959	0.002 E	0.00 E	1.07	0.001 E	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	1.16	0.002 E	0.00 E	0.651	0.001 E	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	1.27	0.002 E	0.00 E	0.004 A	0.001 E	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	1.48	0.002 E	0.00 E	0.004 E	0.001 E	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	1.32	0.002 E	0.00 E	0.004 E	0.001 E	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	1.10	0.002 E	0.00 E	0.004 E	0.001 E	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.495 A	0.002 E	0.00 E	0.004 E	0.001 E	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.002 E	0.002 E	0.559 A	0.004 E	0.001 E	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.002 E	0.002 E	0.965	0.003 E	0.001 E	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.002 E	0.002 E	0.996	0.003 E	0.001 E	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.002 E	0.002 E	1.02	0.003 E	0.001 E	0.00	0.00
14	0.00	0.00	0.00	0.00	1.58	0.002 E	0.001 E	0.984	0.003 E	0.001 E	0.00	0.00
15	0.00	0.00	0.00	0.00	2.31	0.002 E	0.001 E	1.01	0.003 E	0.001 E	0.00	0.00
16	0.00	0.00	0.00	0.00	2.16	0.002 E	0.001 E	1.02	0.003 E	0.001 E	0.00	0.00
17	0.00	0.00	0.00	0.00	2.24	0.002 E	0.001 E	1.50	0.003 E	0.001 E	0.00	0.00
18	0.00	0.00	0.00	0.00	2.37	0.002 E	0.001 E	2.02	0.003 E	0.001 E	0.00	0.00
19	0.00	0.00	0.00	0.00	2.71	0.002 E	0.001 E	1.71	0.003 E	0.001 E	0.00	0.00
20	0.00	0.00	0.00	0.00	2.86	0.002 E	0.001 E	1.65	0.003 E	0.001 E	0.00	0.00
21	0.00	0.00	0.00	0.00	2.82	0.002 E	0.001 E	1.68	0.003 E	0.001 E	0.00	0.00
22	0.00	0.00	0.00	0.00	2.55	0.002 E	0.001 E	1.67	0.002 E	0.001 E	0.00	0.00
23	0.00	0.00	0.00	0.00	2.20	0.002 E	0.001 E	1.75	0.002 E	0.001	0.00	0.00
24	0.00	0.00	0.00	0.00	1.94	0.002 E	0.001 E	1.80	0.002 E	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	2.38	0.002 E	0.001 E	1.82	0.002 E	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	2.44	0.002 E	0.001 E	1.77	0.002 E	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	2.21	0.002 E	0.001 E	1.72	0.002 E	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.89	0.002 E	0.001 E	1.72	0.002 E	0.00	0.00	0.00
29	0.00	-	0.00	0.00	1.82	0.002 E	0.001 E	1.66	0.002 E	0.00	0.00	0.00
30	0.00	-	0.00	0.00	1.72	0.002 E	0.001 E	1.52	0.002 E	0.00	0.00	0.00
31	0.00	-	0.00	-	1.74	-	0.001 E	1.33	-	0.00	-	-
Mean	0.00	0.00	0.00	0.00	1.29	0.356	0.001	1.03	0.138	0.001	0.00	-
Max	0.00	0.00	0.00	0.00	2.86	1.62	0.002	2.02	1.21	0.002	0.00	-
Min	0.00	0.00	0.00	0.00	0.00	0.002	0.001	0.00	0.002	0.00	0.00	-
Total	0.00	0.00	0.00	0.00	39.9	10.7	0.044	31.9	4.14	0.024	0.00	-
Total Dam³	0.00	0.00	0.00	0.00	3,450	922	3.80	2,750	357	2.07	0.00	-

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES

**FRENCHMAN RIVER BASIN
MINOR DIVERSIONS FOR 2021
(VOLUME IN CUBIC DECAMETRES)**

File Number	March		April		May		June		July		August		September		Total
	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-31	1-15	16-30	
Minor Diversions Associated with Cypress Area															
65					15.2	40.5	38.0	38.0	22.8						154.4
70					7.7	2.6									10.3
80							28.8								28.8
93							57.6								57.6
121		0.5	3.5	3.5	3.5	3.5									14.4
122															
123			0.4	2.9	2.9	3.1	2.9	0.2							12.3
124		0.7	5.5	5.5	5.5	5.9	5.5								28.8
129					15.3	11.5									26.7
334					33.4	61.2									94.6
335															
369															
379			1.1	2.8	2.8	1.7									8.3
411															
989															
1014															
1589															
2235					0.6	5.2									5.8
2236					0.7	6.1									6.8
2851					0.8	7.4									8.2
3635															
3964															
5525															
5729															
6339															
7331															
8201															
9138															
9139															
9140															
9450		0.8	3.8	3.8	1.5										9.9
9951															
10156															
10411															
10804															
10805															
10836															
10864															
11974				27.3	45.5	33.3									106.1
11975			20.6												20.6
12232						1.7	12.8	6.0							20.6
14420								4.4	9.4	10.1	6.3				30.2
15596															
15760															
Sub-Total		2.0	34.9	45.7	135.3	183.6	145.6	48.6	32.2	10.1	6.3				644
Domestic Uses		0.9	15.7	20.6	60.9	82.6	65.5	21.9	14.5	4.5	2.8				290
Total		3	51	66	196	266	211	70	47	15	9				934

Domestic uses: 45% of Sub-Total

Continued ...

FRENCHMAN RIVER BASIN (continued)
SURFACE WATER USE (MINOR DIVERSIONS) FOR 2021
(VOLUME IN CUBIC DECAMETRES)

File Number	March		April		May		June		July		August		September		Total
	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-31	1-15	16-30	
Minor Diversions Associated with Eastend															
55															
60															
74							5.9	7.4	7.4	7.9	7.4	1.0			37.0
118															
154															
461															
1289															
2305															
4579			8.2												8.2
4665	2.3	7.5	7.0	7.0	7.0	1.9									32.9
4796					9.0										9.0
4848					1.8	3.1	1.6								6.5
4912															
5235	28.5	14.3													42.8
5250					40.2										40.2
5278															
5298															
5493															
6064															
6432								9.9							9.9
7312															
7682															
8131															
8632															
8756															
8901															
9137															
9490															
9552															
9592															
9691															
9957															
10425															
11409															
11455															
11864															
12082															
12207															
12213															
12400							2.6	4.2							6.8
12591															
13524															
15341															
15342															
15343															
15535															
15604															
16625					5.8	11.5									17.3
16447															
16666															
16667															
Sub-Total	30.9	21.8	15.3	7.0	63.8	16.5	10.1	21.5	7.4	7.9	7.4	1.0			210.6
Domestic Uses	13.9	9.8	6.9	3.2	28.7	7.4	4.5	9.7	3.3	3.6	3.3	0.4			94.8
Total	45	32	22	10	93	24	15	31	11	11	11	1			306.0

Domestic uses: 45% of Sub-Total

Continued ...

FRENCHMAN RIVER BASIN (continued)
SURFACE WATER USE (MINOR DIVERSIONS) FOR 2021
(VOLUME IN CUBIC DECAMETRES)

File Number	March		April		May		June		July		August		September		Total
	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-31	1-15	16-30	
Minor Diversions Associated with Val Marie															
479															
507	5.9	19.0	5.9												30.8
657															
992															
1603															
3929															
4865															
5002															
5084															
5085															
5086															
5871															
7332															
7645															
7754															
7778															
7935															
8322															
8345															
9481															
9571															
9596															
10064															
10962		36.2													36.2
11617															
11618															
15061		51.0													51.0
15388															
15399			6.2												6.2
15400			83.3												83.3
15408															
15413						10.0									10.0
15450															
15487															
15639			18.5												18.5
15706															
15714															
16545															
V.M. Pump 1					78.8	129.0									207.8
V.M. Pump 2					9.0	22.0									31.0
Sub-Total	5.9	106.1	113.9		87.8	161.0									475
Domestic Uses	2.7	47.8	51.3		39.5	72.5									214
Total	9	154	165		127	233									688

Domestic uses: 45% of Sub-Total

Continued

FRENCHMAN RIVER BASIN (continued)
SURFACE WATER USE (MINOR DIVERSIONS) FOR 2021
(VOLUME IN CUBIC DECAMETRES)

Minor Diversions Associated with International Boundary Area															
File Number	March		April		May		June		July		August		September		Total
	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-31	1-15	16-31	
3694															0
4992															0
8855															0
8856															0
11447															0
11448															0
11449															0
11450															0
11451															0
11452															0
12253															0
12545															0
12546															0
12547															0
12599															0
12600															0
12670															0
Sub-Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Domestic Uses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Domestic uses: 45% of Sub-Total

Minor Diversions Associated with Cypress Area															
		2.8	50.5	66.3	196.1	266.2	211.1	70.4	46.7	14.6	9.1				934

Minor Diversions Associated with Eastend Area															
	44.7	31.6	22.1	10.2	92.6	24.0	14.6	31.2	10.7	11.4	10.7	1.4			305

Minor Diversions Associated with Val Marie Area															
	8.6	153.9	165.2		127.2	233.5									688

Minor Diversions Associated with International Boundary Area															
															0

Total	53	188	238	77	416	524	226	102	57	26	20	1			1928
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Water Rights Data supplied by Saskatchewan Water Security Agency.
There was no usage reported for periods 13 to 16 (September – October).
A 25 percent return flow factor was applied to Val Marie Pumps 1 and 2.

In 2005, the following licences in the Frenchman River basin were determined to be either abandoned, never active, located in Grasslands National Park, or located on non-contributing or back flood operation areas: 690, 943, 1691, 1992, 2154, 3057, 3284, 8696, 9076, 9219, 10659, 10853, 11142, 11237, 11372, 11431, 11608, 11835, 12647, 15402, 15406, 15416, and 15587.

TABLE 16

Month-end Contents of Major Reservoirs in Lodge Creek, Battle Creek, and Frenchman River Basins
(Values in Cubic Decametres)

	Altawan Reservoir	Cypress Lake	Eastend Reservoir	Huff Lake	Newton Lake	(a) Combined Usable Storage	Percent of Live Storage (a/b*100)
FEBRUARY	5 269	113 381	673	1 776	9 409	100 452	82
MARCH	7 025	116 592	2 409	3 051	11 559	110 580	90
APRIL	6 965	121 567	3 080	3 604	12 277	117 437	96
MAY	7 092	118 997	2 367	2 171	8 954	109 525	89
JUNE	5 738	115 331	2 020	2 742	8 479	104 254	85
JULY	4 782	110 841	1 971	2 767	7 716	98 021	80
AUGUST	4 376	107 632	1 805	2 931	4 163	90 851	74
SEPTEMBER	4 176	105 440	1 644	2 184	4 494	87 882	72
OCTOBER	4 054	103 663	1 583	2 301	4 608	86 153	70
Full Supply Level (FSL)	6 710	128 100	2 096	3 700	12 269		
Dead Storage	0	30 031	0	25	0		
Percentage of FSL on October 31	60	81	76	62	38		

Total storage at FSL: 152 875

Total dead storage: 30 056

Total available live storage with Cypress Lake included: 122 819 (b)

Total available live storage without Cypress Lake included: 24 750

Note: Percent of Live Storage= (Combined Usable Storage/Total Available Live Storage)*100. Due to its relative size, when Cypress Lake is above dead storage elevations, 122,819 dam³ is used as Total Available Live Storage in Percent of Live Storage calculation. When Cypress Lake is below dead storage elevations, 24,750 dam³ is used as Total Available Live Storage in Percent of Live Storage calculation.



Daily Discharge Data for LYONS CREEK AT INTERNATIONAL BOUNDARY (11AB075) [SK]

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

2021 Daily Discharge (m³/s)

This table provides daily data for a station.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.004	0.001	0.00	0.001	0.00 A	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.003	0.001	0.00	0.00	0.00 A	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.211	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.417 A	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.580	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	1.09 A	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	1.14	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.775 A	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.544	0.001	0.001 A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	1.01 A	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00 B	0.00	0.785	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00 B	0.00	1.41	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00 B	0.00	2.83	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00 B	0.00	3.66	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00 B	0.00	1.63	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00 B	0.00	0.741	0.001	0.00	0.00	0.00 A	0.00	0.00	0.00	0.00	0.00
18	0.00 B	0.00	0.333	0.001	0.00	0.00	0.00 A	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.171	0.001	0.00	0.00	0.00 A	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.117	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.082	0.001	0.001	0.00 A	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.054	0.001	0.001	0.00 A	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.035	0.00	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.028	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.022	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.016	0.001	0.001 A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.013	0.001	0.00 A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	-	0.007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	-	0.004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	-	0.003	-	0.00	-	0.00	0.00	-	0.00	-	0.00
Mean	0.00	0.00	0.572	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	3.66	0.002	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	17.7	0.027	0.011	0.001	0.00	0.00	0.00	0.00	0.00	0.00
Total Dam ³	0.00	0.00	1,530	2.33	0.950	0.086	0.00	0.00	0.00	0.00	0.00	0.00

APPROVED BY THE FIELD REPRESENTATIVES OF CANADA AND THE UNITED STATES