

APPENDICES A AND B
TO THE REPORT TO
THE INTERNATIONAL JOINT COMMISSION

ON

THE DIVISION OF THE WATERS OF THE
ST.MARY AND MILK RIVERS

1985

BY

PHILIP COHEN
representing the United States

AND

D. A. DAVIS
representing Canada

The data contained in these appendices are the culmination of a concerted effort by personnel of the Montana district of the U.S. Geological Survey and the Alberta and Saskatchewan districts of the Water Survey of Canada. In addition to the authors, who had primary responsibility for assuring that the data contained herein are accurate and complete, the following individuals contributed significantly to the collection, compilation, verification and tabulation of the data:

- R. B. Barnetson, W.S.C., Calgary, Alberta
- D. G. Gebauer, W.S.C., Calgary, Alberta
- D. B. Hanson, U.S.G.S., Helena, Montana
- W. R. Klassen, W.S.C., Shaunavon, Saskatchewan
- F. M. O'Neill, U.S.G.S., Helena, Montana
- J. W. Stadnyk, W.S.C., Regina, Saskatchewan
- N. A. Midtlyng, U.S.G.S., Helena, Montana
- D. L. Turgeon, W.S.C., Regina, Saskatchewan
- B. Yee, W.S.C., Regina, Saskatchewan

APPENDIX A

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TABLE 6
NATURAL FLOW OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
MARCH 1985
QUANTITIES IN CUBIC DECAMETRES

DAY	CHANGE IN CONTENTS OF LAKE SMERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER NATURAL FLOW		SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
				AT INTERNATIONAL BOUNDARY	AT INTERNATIONAL BOUNDARY	UNITED STATES	CANADA	
1	0	0	0	171	171	86	85	86
2	17	0	17	171	188	94	94	77
3	44	0	44	159	203	101	102	57
4	-15	0	-15	159	144	72	72	87
5	76	0	76	159	235	118	117	42
6	29	0	29	159	188	94	94	65
7	76	0	76	159	235	117	118	41
8	29	0	29	159	188	94	94	65
9	15	0	15	147	162	81	81	66
10	32	0	32	147	179	90	89	58
11	29	0	29	135	164	82	82	53
12	76	0	76	135	211	105	106	29
13	29	0	29	135	164	82	82	53
14	0	0	0	147	147	74	73	74
15	-76	0	-76	171	95	47	48	123
S. TOTAL	361	0	361	2 313	2 674	1 337	1 337	976
MEAN	24.1	0.0	24.1	154	178	89.1	89.1	65.1
16	-73	1	-72	245	173	87	86	159
17	-61	5	-56	318	262	131	131	187
18	-228	54	-174	367	193	96	97	270
19	-164	117	-47	416	369	185	184	232
20	-137	110	-27	440	413	206	207	233
21	-91	110	19	367	386	193	193	174
22	-59	117	58	318	376	188	188	130
23	-91	147	56	196	252	126	126	70
24	-210	164	-46	245	199	100	99	146
25	-345	186	-159	196	37	18	19	177
26	-641	433	-208	171	0	0	0	171
27	-568	475	-193	147	0	0	0	147
28	-692	519	-173	135	0	0	0	135
29	-705	636	-69	122	53	27	26	96
30	-714	680	-34	110	76	38	38	72
31	-653	705	52	135	187	93	94	41
S. TOTAL	-5 532	4 459	-1 073	3 929	2 976	1 488	1 488	2 440
MEAN	-346	279	-67.1	246	186	93.0	93.0	153
TOTAL	-5 171	4 459	-712	6 241	5 650	2 825	2 825	3 416
MEAN	-167	144	-23.0	201	182	91.1	91.1	110

APPROVED BY :

J. A. Moreland

FOR THE UNITED STATES

J. A. Moreland

FOR CANADA

TABLE 6
NATURAL FLOW OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
APRIL 1985
QUANTITIES IN CUBIC DECAMETRES

DAY	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER NATURAL FLOW		SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
				AT INTERNATIONAL BOUNDARY	AT INTERNATIONAL BOUNDARY	UNITED STATES	CANADA	
1	-707	719	12	171	183	46	137	34
2	-761	798	27	183	210	52	158	25
3	-1 052	959	-93	208	115	29	86	122
4	-1 160	1 101	-59	232	173	43	130	102
5	-1 165	1 216	51	247	298	74	224	23
6	-1 236	1 284	48	245	293	73	220	25
7	-1 236	1 326	90	235	325	81	244	-9
8	-1 248	1 368	120	250	370	92	278	-28
9	-1 179	1 387	208	279	487	122	365	-86
10	-1 125	1 409	284	303	587	147	440	-137
11	-984	1 426	442	338	780	195	585	-247
12	-935	1 443	508	379	887	222	665	-286
13	-734	1 453	719	489	1 208	302	906	-417
14	-724	1 475	751	692	1 443	361	1 082	-390
15	-844	1 505	661	1 015	1 676	431	1 245	-230
S. TOTAL	-15 090	18 859	3 769	5 266	9 035	2 270	6 765	-1 499
MEAN	-1 006	1 257	251	351	602	151	451	-99.9
16	-1 020	1 529	509	1 309	1 818	502	1 316	-7
17	-1 020	1 544	524	1 522	2 046	616	1 430	92
18	-935	1 554	619	1 678	2 297	741	1 556	122
19	-981	1 563	582	1 798	2 380	783	1 597	201
20	-979	1 568	589	1 813	2 402	794	1 608	205
21	-861	1 534	673	1 710	2 383	784	1 599	111
22	-988	1 517	529	1 527	2 056	621	1 435	92
23	-932	1 514	582	1 404	1 986	586	1 400	4
24	-1 018	1 510	492	1 338	1 830	508	1 322	16
25	-1 177	1 507	330	1 238	1 568	392	1 176	62
26	-1 152	1 512	360	1 214	1 574	394	1 180	34
27	-1 035	1 507	472	1 143	1 615	404	1 211	-68
28	-1 006	1 495	489	1 108	1 597	399	1 198	-90
29	-215	1 490	1 275	1 074	2 349	767	1 582	-508
30	-377	1 412	1 035	1 451	2 486	836	1 650	-199
S. TOTAL	-13 696	22 756	9 060	21 327	30 387	9 127	21 260	67
MEAN	-913	1 517	604	1 422	2 026	608	1 417	4.5
TOTAL	-28 786	41 615	12 829	26 593	39 422	11 397	28 025	-1 432
MEAN	-960	1 387	428	886	1 314	360	934	-47.7

APPROVED BY : Joe A. Mansland FOR THE UNITED STATES

[Signature] FOR CANADA

TABLE 6
NATURAL FLOW OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
MAY 1985
QUANTITIES IN CUBIC DECAMETRES

DAY	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED		ST. MARY RIVER NATURAL FLOW		SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
			BY UNITED STATES	AT INTERNATIONAL BOUNDARY	AT INTERNATIONAL BOUNDARY	AT INTERNATIONAL BOUNDARY	UNITED STATES	CANADA	
1	-171	1 089	918	2 031	2 949	1 067	1 882	149	
2	-61	1 026	967	2 376	3 343	1 264	2 079	297	
3	81	1 306	1 387	2 667	4 054	1 620	2 434	233	
4	548	1 536	2 084	3 303	5 387	2 286	3 101	202	
5	741	1 549	2 290	3 670	5 960	2 573	3 387	283	
6	521	1 580	2 101	3 376	5 477	2 331	3 146	230	
7	612	1 644	2 256	2 838	5 094	2 140	2 954	-116	
8	609	1 688	2 297	2 471	4 768	1 977	2 791	-320	
9	406	1 681	2 087	2 378	4 465	1 825	2 640	-262	
10	-42	1 691	1 649	2 415	4 064	1 625	2 439	-24	
11	-323	1 691	1 368	2 496	3 864	1 525	2 339	157	
12	-384	1 695	1 311	2 471	3 782	1 484	2 298	173	
13	-404	1 695	1 291	2 221	3 512	1 349	2 163	58	
14	-338	1 691	1 353	2 021	3 374	1 280	2 094	-73	
15	-377	1 681	1 304	1 832	3 136	1 161	1 975	-143	
S. TOTAL	1 418	23 245	24 663	38 566	63 229	25 507	37 722	844	
MEAN	94.5	1 550	1 644	2 571	4 215	1 700	2 515	56.3	
16	-550	1 681	1 131	1 798	2 929	1 057	1 872	-74	
17	-401	1 678	1 277	1 859	3 136	1 161	1 975	-116	
18	-142	1 681	1 539	2 065	3 604	1 395	2 209	-144	
19	10	1 698	1 708	2 569	4 277	1 731	2 546	23	
20	215	1 713	1 928	3 229	5 157	2 171	2 986	243	
21	484	1 722	2 206	3 841	6 047	2 616	3 431	410	
22	847	1 661	2 508	4 355	6 863	3 024	3 839	516	
23	1 524	1 673	3 197	4 428	7 625	3 405	4 220	208	
24	2 226	1 717	3 943	4 551	8 494	3 840	4 654	-103	
25	2 197	1 720	3 917	5 015	8 932	4 059	4 873	142	
26	2 412	1 571	3 983	5 627	9 610	4 398	5 212	415	
27	2 322	1 492	3 814	5 627	9 441	4 313	5 128	499	
28	1 798	1 595	3 393	5 064	8 457	3 821	4 636	428	
29	1 507	1 688	3 195	4 453	7 648	3 417	4 231	222	
30	1 299	1 678	2 977	5 015	7 992	3 589	4 403	612	
31	1 862	1 617	3 479	5 309	8 788	3 987	4 801	508	
S. TOTAL	17 610	26 585	44 195	64 805	109 000	47 984	61 016	3 789	
MEAN	1 101	1 662	2 762	4 050	6 813	2 999	3 814	237	
TOTAL	19 028	49 830	68 858	103 371	172 229	73 491	98 738	4 633	
MEAN	614	1 607	2 221	3 335	5 556	2 371	3 185	149	

APPROVED BY :

Joe A. Mowbray

FOR THE UNITED STATES

SA St

FOR CANADA

TABLE 6
NATURAL FLOW OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
JUNE 1985
QUANTITIES IN CUBIC DECAMETRES

DAY	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER NATURAL FLOW		SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
				AT INTERNATIONAL BOUNDARY	AT INTERNATIONAL BOUNDARY	UNITED STATES	CANADA	
1	1 935	1 681	3 616	5 187	8 803	3 994	4 809	378
2	1 808	1 678	3 486	4 844	8 330	3 758	4 572	272
3	1 671	1 683	3 354	4 477	7 831	3 508	4 323	154
4	1 480	1 703	3 163	4 037	7 220	3 203	4 017	20
5	1 380	1 715	3 095	3 694	6 789	2 987	3 802	-108
6	1 262	1 703	2 965	3 450	6 415	2 800	3 615	-165
7	1 365	1 710	3 075	3 523	6 598	2 892	3 706	-183
8	2 554	1 710	4 264	5 064	9 328	4 257	5 071	-7
9	4 198	1 705	5 903	6 483	12 386	5 786	6 600	-117
10	2 862	1 693	4 555	6 606	11 161	5 173	5 988	618
11	1 651	1 691	3 342	6 068	9 410	4 298	5 112	956
12	1 238	1 695	2 933	5 309	8 242	3 714	4 528	781
13	1 358	1 705	3 063	4 575	7 638	3 412	4 226	349
14	1 319	1 732	3 051	4 110	7 161	3 173	3 988	122
15	1 421	1 727	3 148	3 792	6 940	3 063	3 877	-85
S.TOTAL MEAN	27 502 1 833	25 531 1 702	53 033 3 536	71 219 4 748	124 252 8 283	56 018 3 735	68 234 4 549	2 985 199
16	1 297	1 720	3 017	3 548	6 565	2 875	3 690	-142
17	1 270	1 720	2 990	3 376	6 366	2 776	3 590	-214
18	1 160	1 713	2 873	3 132	6 005	2 595	3 410	-278
19	1 094	1 708	2 802	2 936	5 738	2 462	3 276	-340
20	1 103	1 715	2 819	2 862	5 680	2 433	3 247	-385
21	1 050	1 715	2 765	2 960	5 725	2 455	3 270	-310
22	1 172	1 708	2 880	2 740	5 620	2 403	3 217	-477
23	935	1 703	2 638	2 520	5 158	2 172	2 986	-466
24	790	1 700	2 490	2 239	4 729	1 957	2 772	-533
25	717	1 693	2 410	1 957	4 367	1 776	2 591	-634
26	570	1 700	2 270	1 742	4 012	1 599	2 413	-671
27	323	1 717	2 040	1 580	3 620	1 403	2 217	-637
28	37	1 688	1 725	1 593	3 318	1 252	2 066	-473
29	-208	1 549	1 341	1 903	3 244	1 215	2 029	-126
30	-362	1 456	1 094	2 148	3 242	1 214	2 028	120
S.TOTAL MEAN	10 948 730	25 205 1 680	36 153 2 410	37 236 2 482	73 389 4 893	30 587 2 039	42 802 2 853	-5 566 -371
TOTAL MEAN	38 450 1 282	50 736 1 691	89 166 2 973	108 455 3 615	197 641 6 588	66 605 2 887	111 036 3 701	-2 581 -86.0

APPROVED BY :

Joe A. Macleod

FOR THE UNITED STATES

VH St

FOR CANADA

TABLE 6
NATURAL FLOW OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
JULY 1985
QUANTITIES IN CUBIC DECAMETRES

DAY	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER NATURAL FLOW		SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
				AT INTERNATIONAL BOUNDARY	AT INTERNATIONAL BOUNDARY	UNITED STATES	CANADA	
1	-209	1 461	1 253	2 185	3 438	1 312	2 126	59
2	-132	1 478	1 346	2 151	3 497	1 341	2 156	-5
3	-132	1 475	1 343	2 136	3 479	1 332	2 147	-11
4	-115	1 473	1 358	2 151	3 509	1 347	2 162	-11
5	-113	1 331	1 218	2 358	3 576	1 381	2 195	163
6	-20	910	890	2 740	3 630	1 408	2 222	518
7	-17	492	475	3 058	3 533	1 359	2 174	884
8	132	61	193	3 376	3 569	1 377	2 192	1 184
9	528	2	530	3 107	3 637	1 411	2 226	881
10	665	220	885	2 593	3 478	1 332	2 146	447
11	668	470	1 138	2 207	3 345	1 265	2 080	127
12	631	1 018	1 649	1 585	3 234	1 210	2 024	-439
13	98	1 439	1 537	1 277	2 814	1 000	1 814	-537
14	-864	1 644	780	1 605	2 385	785	1 600	5
15	-1 407	1 686	279	1 952	2 231	708	1 523	429
S. TOTAL	-286	15 160	14 874	34 481	49 355	18 568	30 787	3 694
MEAN	-19.1	1 011	992	2 299	3 290	1 238	2 052	246
16	-1 620	1 656	36	2 116	2 152	669	1 483	633
17	-1 123	1 578	455	1 847	2 302	744	1 558	289
18	-705	1 561	856	1 568	2 424	805	1 619	-51
19	-533	1 549	1 016	1 314	2 330	758	1 572	-258
20	-778	1 546	768	1 299	2 067	626	1 441	-142
21	-974	1 549	575	1 299	1 874	530	1 344	-45
22	-1 204	1 554	350	1 377	1 727	456	1 271	106
23	-1 248	1 578	330	1 363	1 693	439	1 254	109
24	-1 289	1 622	333	1 363	1 696	441	1 255	108
25	-1 260	1 622	362	1 417	1 779	482	1 297	120
26	-1 419	1 622	203	1 429	1 632	409	1 223	206
27	-1 250	1 622	372	1 363	1 735	460	1 275	88
28	-1 221	1 615	394	1 250	1 644	415	1 229	21
29	-1 240	1 593	353	1 177	1 530	382	1 148	29
30	-1 138	1 588	450	1 084	1 534	384	1 150	-66
31	-1 174	1 585	411	1 018	1 429	357	1 072	-54
S. TOTAL	-18 176	25 440	7 264	22 284	29 548	8 357	21 191	1 093
MEAN	-1 136	1 590	454	1 393	1 847	522	1 324	68.3
TOTAL	-18 462	40 600	22 138	56 765	78 903	26 925	51 978	4 787
MEAN	-596	1 310	714	1 831	2 545	869	1 677	154

APPROVED BY : Joe A. Moreland FOR THE UNITED STATES JH St FOR CANADA

TABLE 6
 NATURAL FLOW OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
 AUGUST 1985
 QUANTITIES IN CUBIC DECAMETRES

DAY	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED		ST. MARY RIVER NATURAL FLOW		SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
			BY UNITED STATES	AT INTERNATIONAL BOUNDARY	AT INTERNATIONAL BOUNDARY	AT INTERNATIONAL BOUNDARY	UNITED STATES	CANADA	
1	-1 091	1 585	494	996	1 490	372	1 118	-122	
2	-1 373	1 590	217	1 018	1 235	309	926	92	
3	-1 324	1 595	271	1 030	1 301	325	976	54	
4	-1 248	1 590	342	1 008	1 350	338	1 012	-4	
5	-1 277	1 588	311	996	1 307	327	980	16	
6	-1 204	1 585	381	944	1 325	331	994	-50	
7	-1 015	1 580	565	854	1 419	355	1 064	-210	
8	-1 008	1 578	570	795	1 365	341	1 024	-229	
9	-1 116	1 578	462	768	1 230	308	922	-154	
10	-1 020	1 578	558	722	1 280	320	960	-238	
11	-1 096	1 578	482	722	1 204	301	903	-181	
12	-1 047	1 580	533	795	1 328	332	996	-201	
13	-1 123	1 578	455	913	1 368	342	1 026	-113	
14	-1 113	1 578	465	993	1 358	340	1 018	-125	
15	-1 169	1 580	411	935	1 346	336	1 010	-75	
S. TOTAL	-17 224	23 741	6 517	13 389	19 906	4 977	14 929	-1 540	
MEAN	-1 148	1 583	434	893	1 327	332	995	-103	
16	-1 101	1 568	467	1 140	1 607	402	1 205	-65	
17	-1 023	1 554	531	1 143	1 674	430	1 244	-101	
18	-1 057	1 568	511	1 130	1 641	413	1 228	-98	
19	-1 015	1 578	563	1 096	1 659	422	1 237	-141	
20	-1 280	1 585	305	1 177	1 482	370	1 112	65	
21	-1 514	1 598	84	1 309	1 393	348	1 045	264	
22	-1 375	1 593	218	1 299	1 517	379	1 138	161	
23	-1 275	1 578	303	1 287	1 590	398	1 192	95	
24	-1 243	1 573	330	1 238	1 568	392	1 176	62	
25	-1 341	1 568	227	1 214	1 441	360	1 081	133	
26	-1 326	1 561	235	1 177	1 412	353	1 059	118	
27	-1 289	1 558	269	1 130	1 399	350	1 049	81	
28	-1 294	1 556	262	1 096	1 358	340	1 018	78	
29	-1 265	1 544	279	1 062	1 341	335	1 006	56	
30	-1 262	1 546	284	1 018	1 302	326	976	42	
31	-1 194	1 532	338	913	1 251	313	938	-25	
S. TOTAL	-19 854	25 060	5 206	18 429	23 635	5 931	17 704	725	
MEAN	-1 241	1 566	325	1 152	1 477	371	1 107	45.3	
TOTAL	-37 078	48 801	11 723	31 818	43 541	10 908	32 633	-815	
MEAN	-1 196	1 574	378	1 026	1 405	352	1 053	-26.3	

APPROVED BY :

Joe A. Howland

FOR THE UNITED STATES

JH St

FOR CANADA

TABLE 6

NATURAL FLOW OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
 SEPTEMBER 1985
 QUANTITIES IN CUBIC DECAMETRES

DAY	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER NATURAL FLOW		SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
				AT INTERNATIONAL BOUNDARY	AT INTERNATIONAL BOUNDARY	UNITED STATES	CANADA	
1	-1 228	1 429	201	954	1 155	289	866	88
2	-1 096	1 409	313	817	1 130	282	848	-31
3	-685	1 248	563	768	1 331	333	998	-230
4	-453	935	482	824	1 306	326	980	-156
5	-455	925	470	739	1 209	302	907	-168
6	-377	937	560	815	1 375	344	1 031	-216
7	76	932	1 008	873	1 881	533	1 348	-475
8	59	839	898	1 006	1 904	545	1 359	-353
9	-76	663	587	1 272	1 859	522	1 337	-65
10	-817	771	-46	1 576	1 530	382	1 148	428
11	-1 492	1 042	-450	1 666	1 216	304	912	754
12	-1 196	1 236	40	2 131	2 171	678	1 493	638
13	203	1 113	1 316	2 740	4 056	1 621	2 435	305
14	71	1 390	1 461	2 544	4 005	1 595	2 410	134
15	-54	1 556	1 502	2 447	3 949	1 567	2 382	65
S. TOTAL MEAN	-7 520 -501	16 425 1 095	8 905 594	21 172 1 411	30 077 2 005	9 623 642	20 454 1 364	718 47.9
16	27	1 571	1 598	2 415	4 013	1 599	2 414	1
17	-560	1 566	1 006	2 023	3 029	1 107	1 922	101
18	-702	1 571	869	2 199	3 068	1 127	1 941	258
19	-827	1 556	729	2 070	2 799	992	1 807	263
20	-734	1 546	812	1 879	2 691	938	1 753	126
21	-289	1 539	1 250	1 625	2 875	1 030	1 845	-220
22	-157	1 527	1 370	1 392	2 762	974	1 788	-396
23	-7	1 368	1 361	1 417	2 778	982	1 796	-379
24	32	883	915	1 793	2 708	947	1 761	32
25	555	401	956	2 065	3 021	1 103	1 918	147
26	599	16	615	2 288	2 903	1 044	1 859	429
27	264	0	264	2 138	2 402	794	1 608	530
28	570	0	570	1 940	2 510	848	1 662	278
29	504	0	504	1 815	2 319	752	1 567	248
30	443	0	443	1 710	2 153	669	1 484	226
S. TOTAL MEAN	-282 -18.8	13 544 903	13 262 884	28 769 1 918	42 031 2 802	14 906 994	27 125 1 808	1 644 110
TOTAL MEAN	-7 802 -260	29 969 999	22 167 739	49 941 1 665	72 108 2 404	24 529 818	47 579 1 586	2 362 78.7

APPROVED BY :

Joe A. Moulton

FOR THE UNITED STATES

JH-B

FOR CANADA

TABLE 6
NATURAL FLOW OF ST. MARY RIVER AT INTERNATIONAL BOUNDARY
OCTOBER 1985
QUANTITIES IN CUBIC DECAMETRES

DAY	CHANGE IN CONTENTS OF LAKE SHERBURNE (WITH 1 DAY LAG)	DIVERTED BY ST. MARY CANAL	TOTAL USED BY UNITED STATES	ST. MARY RIVER NATURAL FLOW		SHARES OF NATURAL FLOW		FLOW IN EXCESS OR DEFICIT (-) OF CANADIAN SHARE
				AT INTERNATIONAL BOUNDARY	AT INTERNATIONAL BOUNDARY	UNITED STATES	CANADA	
1	548	0	548	1 651	2 199	692	1 507	144
2	340	0	340	1 566	1 906	546	1 360	206
3	369	0	369	1 566	1 935	560	1 375	191
4	394	0	394	1 495	1 989	537	1 352	143
5	389	0	389	1 441	1 830	508	1 322	119
6	372	0	372	1 456	1 828	507	1 321	135
7	450	0	450	1 456	1 906	546	1 360	96
8	379	0	379	1 417	1 796	491	1 305	112
9	276	0	276	1 390	1 666	426	1 240	150
10	308	0	308	1 402	1 710	448	1 262	140
11	308	0	308	1 338	1 646	416	1 230	108
12	313	0	313	1 363	1 676	431	1 245	118
13	316	0	316	1 287	1 603	401	1 202	85
14	296	0	296	1 189	1 485	371	1 114	75
15	338	0	338	1 201	1 539	385	1 154	47
S. TOTAL	5 396	0	5 396	21 218	26 614	7 265	19 349	1 869
MEAN	360	0.0	360	1 415	1 774	484	1 290	125
16	462	0	462	1 262	1 724	455	1 269	-7
17	714	0	714	1 351	2 065	625	1 440	-89
18	829	0	829	1 363	2 192	689	1 503	-140
19	685	0	685	1 402	2 087	636	1 451	-49
20	585	0	585	1 468	2 053	619	1 434	34
21	582	0	582	1 468	2 050	618	1 432	36
22	543	0	543	1 510	2 053	619	1 434	76
23	548	0	548	1 566	2 114	650	1 464	102
24	553	0	553	1 578	2 131	658	1 473	105
25	648	0	648	1 766	2 414	800	1 614	152
26	1 018	0	1 018	1 877	2 895	1 040	1 855	22
27	1 101	0	1 101	2 033	3 134	1 160	1 974	59
28	1 165	0	1 165	2 234	3 399	1 292	2 107	127
29	1 091	0	1 091	2 358	3 449	1 317	2 132	226
30	900	0	900	2 395	3 295	1 240	2 055	340
31	864	0	864	2 395	3 259	1 222	2 037	358
S. TOTAL	12 288	0	12 288	28 026	40 314	13 640	26 674	1 352
MEAN	768	0.0	768	1 752	2 520	853	1 667	34.5
TOTAL	17 684	0	17 684	49 244	66 928	20 905	46 023	3 221
MEAN	570	0.0	570	1 589	2 159	674	1 485	104

APPROVED BY :

Joe A. Mansfield

FOR THE UNITED STATES

W.A.A.

FOR CANADA

TABLE 7
HISTORICAL SUMMARY OF NATURAL FLOW
ST. MARY RIVER AT INTERNATIONAL BOUNDARY
(Cubic Decametres)

Period	Recorded Flow			Computed Natural Flow			Share April to October	
	Period	Non- Irrigation Season	Irrigation Season	Period	Non- Irrigation Season	Irrigation Season	United States	Canada
	Nov. to Oct.	Nov. to Mar.	Apr. to Oct.	Nov. to Oct.	Nov. to Mar.	Apr. to Oct.		
1902-03	1 104 946	71 500	1 033 446	1 104 946	71 500	1 033 446	434 313	599 133
1903-04	803 655	118 861	684 794	803 654	118 861	684 792	270 060	414 732
1904-05	617 963	48 264	569 698	617 963	48 264	569 698	212 390	357 308
1905-06	694 337	63 639	630 698	694 336	63 639	630 697	235 951	394 746
1906-07	1 122 571	153 055	969 516	1 122 571	153 055	969 516	402 769	566 748
1907-08	1 200 277	77 014	1 123 263	1 200 278	77 015	1 123 263	485 471	637 792
1908-09	1 049 390	80 519	968 871	1 049 388	80 518	968 870	408 525	560 345
1909-10	787 925	108 214	679 712	787 924	108 214	679 710	257 736	421 974
1910-11	922 916	120 080	802 836	922 916	120 080	802 836	318 683	484 152
1911-12	696 784	72 889	623 896	696 788	72 890	623 898	234 581	389 317
1912-13	935 407	85 855	849 552	935 411	85 857	849 555	346 357	503 196
1913-14	726 371	72 239	654 132	726 372	72 239	654 134	245 175	408 958
1914-15	757 686	103 577	654 109	757 686	103 577	654 109	243 357	410 752
1915-16	1 108 708	135 405	973 303	1 108 708	135 405	973 303	405 560	567 743
1916-17	836 896	72 563	764 333	879 915	72 564	807 350	330 334	477 015
1917-18	672 267	112 564	559 703	743 844	112 564	631 279	239 852	391 429
1918-19	412 835	61 285	351 550	537 817	61 285	476 532	175 923	300 608
1919-20	720 454	75 274	645 180	790 676	75 274	715 402	280 703	434 699
1920-21	814 067	88 956	725 111	873 668	88 956	784 712	315 392	469 318
1921-22	693 880	79 754	614 125	777 767	79 754	698 013	281 773	416 240
1922-23	675 780	58 209	617 572	777 592	58 210	719 382	283 499	435 883
1923-24	589 408	63 409	525 999	705 008	63 409	641 599	250 893	390 706
1924-25	817 584	94 569	723 015	985 972	96 977	888 996	364 510	524 485

TABLE 7

**HISTORICAL SUMMARY OF NATURAL FLOW
ST. MARY RIVER AT INTERNATIONAL BOUNDARY
(Cubic Decametres)**

Period	Recorded Flow			Computed Natural Flow			Share April to October	
	Period	Non- Irrigation Season	Irrigation Season	Period	Non- Irrigation Season	Irrigation Season	United States	Canada
	Nov. to Oct.	Nov. to Mar.	Apr. to Oct.	Nov. to Oct.	Nov. to Mar.	Apr. to Oct.		
1925-26	368 543	51 791	316 752	519 347	60 686	458 661	152 683	305 978
1926-27	1 168 580	86 286	1 082 294	1 246 157	92 313	1 153 844	495 111	658 733
1927-28	964 347	150 656	813 691	1 044 148	138 295	905 853	373 419	532 434
1928-29	504 188	80 271	423 917	608 717	81 460	527 257	200 250	327 007
1929-30	603 733	57 694	546 038	725 235	64 603	660 632	258 139	402 492
1930-31	365 789	41 941	323 848	509 360	47 929	461 431	165 518	295 913
1931-32	545 919	84 834	461 085	739 568	103 306	636 263	249 726	386 538
1932-33	668 283	63 686	604 598	876 685	83 246	793 439	321 982	471 457
1933-34	794 368	204 022	590 346	983 489	207 564	775 926	317 959	457 966
1934-35	544 805	149 029	395 776	745 212	168 466	576 745	221 470	355 275
1935-36	359 021	31 798	327 223	548 721	37 010	511 711	194 416	317 296
1936-37	478 869	39 515	439 354	659 570	41 955	617 615	246 822	370 794
1937-38	580 882	68 787	512 095	786 042	80 501	705 541	283 987	421 554
1938-39	365 342	68 048	297 293	570 315	73 219	497 096	184 734	312 362
1939-40	334 201	39 513	294 688	495 708	46 645	449 063	157 684	291 379
1940-41	292 179	40 620	251 559	453 543	40 511	413 033	135 532	277 499
1941-42	583 446	88 182	495 264	777 070	116 324	660 746	255 030	405 717
1942-43	763 259	62 615	700 644	911 721	78 162	833 559	343 078	490 479
1943-44	290 225	34 537	255 689	437 231	44 829	392 402	131 767	260 635
1944-45	468 924	43 000	425 924	681 073	57 322	623 751	246 788	376 964
1945-46	505 890	70 853	435 037	755 379	94 753	660 627	255 226	405 401
1946-47	688 957	90 651	598 305	878 040	107 149	770 891	303 284	467 606
1947-48	860 499	72 743	787 756	982 363	88 046	894 317	378 647	515 670
1948-49	405 107	34 264	370 843	606 951	43 689	563 262	210 027	353 235
1949-50	876 804	89 841	786 963	1 064 374	118 553	945 821	395 664	550 157

TABLE 7
HISTORICAL SUMMARY OF NATURAL FLOW
ST. MARY RIVER AT INTERNATIONAL BOUNDARY
(Cubic Decametres)

Period	Recorded Flow			Computed Natural Flow			Share April to October	
	Period Nov. to Oct.	Non- Irrigation Season Nov. to Mar.	Irrigation Season Apr. to Oct.	Period Nov. to Oct.	Non- Irrigation Season Nov. to Mar.	Irrigation Season Apr. to Oct.	United States	Canada
1950-51	1 167 750	151 534	1 016 215	1 266 310	174 375	1 091 935	459 295	632 640
1951-52	607 507	85 860	521 647	740 007	102 173	637 834	246 797	391 037
1952-53	902 147	59 609	842 538	1 047 864	77 149	970 715	414 762	555 953
1953-54	927 107	56 974	870 133	1 058 950	77 239	981 711	410 304	571 407
1954-55	685 070	77 449	607 621	825 209	97 767	727 442	293 136	434 308
1955-56	667 719	87 379	580 341	914 535	109 806	804 729	326 699	478 028
1956-57	529 336	57 127	472 208	745 807	73 224	672 583	272 909	399 674
1957-58	503 275	54 802	448 473	726 725	72 175	654 551	254 181	400 371
1958-59	737 840	89 853	647 987	996 922	115 348	881 574	355 191	526 381
1959-60	490 717	96 012	394 705	713 323	117 657	595 666	227 307	368 359
1960-61	516 408	54 056	462 353	771 253	72 162	699 091	275 993	423 099
1961-62	440 017	58 970	381 047	685 842	74 856	610 986	229 958	381 026
1962-63	485 177	94 274	390 904	752 639	122 744	629 894	248 049	381 842
1963-64	780 120	39 589	740 530	997 038	54 718	942 320	396 499	545 820
1964-65	748 099	69 659	678 440	911 814	83 855	827 960	333 892	494 066
1965-66	568 272	76 033	492 239	799 738	87 680	712 059	279 569	432 490
1966-67	757 125	62 168	694 956	921 967	81 468	840 499	353 987	486 511
1967-68	564 298	86 362	477 936	837 530	116 593	720 938	281 229	439 707
1968-69	564 362	77 909	486 453	767 024	97 356	669 667	262 010	407 658
1969-70	595 681	51 463	544 218	805 072	66 377	738 695	305 632	433 063
1970-71	730 571	65 203	665 368	934 016	83 117	850 899	351 366	499 533
1971-72	786 916	81 099	705 817	1 035 283	106 598	928 685	382 548	546 140
1972-73	369 763	53 897	315 866	569 165	67 387	501 778	188 998	312 780
1973-74	725 727	95 137	630 590	980 391	130 510	849 880	353 707	496 174

TABLE 7
HISTORICAL SUMMARY OF NATURAL FLOW
ST. MARY RIVER AT INTERNATIONAL BOUNDARY
(Cubic Decametres)

Period	Recorded Flow			Computed Natural Flow			Share April to October	
	Period	Non- Irrigation Season	Irrigation Season	Period	Non- Irrigation Season	Irrigation Season	United States	Canada
	Nov. to Oct.	Nov. to Mar.	Apr. to Oct.	Nov. to Oct.	Nov. to Mar.	Apr. to Oct.		
1974-75	953 533	38 383	915 150	1 073 756	50 046	1 023 710	437 061	586 649
1975-76	608 495	112 990	495 506	865 100	148 550	716 550	282 586	433 965
1976-77	316 097	35 373	280 724	453 391	46 896	406 495	131 278	275 220
1977-78	725 020	53 961	671 060	839 394	72 764	766 630	303 473	463 157
1978-79	525 919	65 108	460 811	686 903	75 210	611 693	240 201	371 494
1979-80	473 733	31 681	442 052	725 114*	45 116*	679 998*	264 906*	415 090*
1980-81	528 381	97 492	430 889	808 874*	134 191*	674 683*	270 694*	403 975*
1981-82	597 345	40 511	556 845	743 122	57 202	685 920	274 281	411 640
1982-83	369 202	45 879	323 323	577 933*	60 013*	517 920*	193 776*	324 136*
1983-84	397 235	60 983	336 252	617 271	83 052	534 219	195 807	338 412
1984-85	466 190	40 003	426 187	721 241	50 469	670 772	254 760	416 012

*Revised

219452 327503

TABLE 8
 SUMMARY OF DAILY
 NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
 AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
 EASTERN CROSSING OF INTERNATIONAL BOUNDARY
 JANUARY, 1985

1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incontl. Evap.	5 Total Consumptive Use		7 Natural Flow at East X-ing	Share		10 Excess(+)/ Deficit(-) Delivery U.S.	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.
				5 U.S.	6 Canada		8 U.S.	9 Canada		
JAN 1	-	-	-	0.0	0.0	0.9	0.4	0.4	0.4	0.4
JAN 2	-	-	-	0.0	0.0	1.7	0.9	0.9	0.9	1.3
JAN 3	-	-	-	0.0	0.0	2.6	1.3	1.3	1.3	2.6
JAN 4	-	-	-	0.0	0.0	3.9	1.9	1.9	1.9	4.5
JAN 5	-	-	-	0.0	0.0	3.5	1.7	1.7	1.7	6.3
JAN 6	-	-	-	0.0	0.0	3.2	1.6	1.6	1.6	7.9
JAN 7	-	-	-	0.0	0.0	2.9	1.4	1.4	1.4	9.3
JAN 8	-	-	-	0.0	0.0	2.6	1.3	1.3	1.3	10.6
JAN 9	-	-	-	0.0	0.0	1.7	0.9	0.9	0.9	11.4
JAN 10	-	-	-	0.0	0.0	0.9	0.4	0.4	0.4	11.9
JAN 11	-	-	-	0.0	0.0	1.2	0.6	0.6	0.6	12.5
JAN 12	-	-	-	0.0	0.0	1.6	0.8	0.8	0.8	13.3
JAN 13	-	-	-	0.0	0.0	1.9	1.0	1.0	1.0	14.2
JAN 14	-	-	-	0.0	0.0	2.2	1.1	1.1	1.1	15.3
JAN 15	-	-	-	0.0	0.0	2.6	1.3	1.3	1.3	16.6
JAN 16	-	-	-	0.0	0.0	3.0	1.5	1.5	1.5	18.1
JAN 17	-	-	-	0.0	0.0	3.5	1.7	1.7	1.7	19.9
JAN 18	-	-	-	0.0	0.0	2.6	1.3	1.3	1.3	21.2
JAN 19	-	-	-	0.0	0.0	1.7	0.9	0.9	0.9	22.0
JAN 20	-	-	-	0.0	0.0	2.5	1.3	1.3	1.3	23.3
JAN 21	-	-	-	0.0	0.0	3.3	1.6	1.6	1.6	24.9
JAN 22	-	-	-	0.0	0.0	4.1	2.1	2.1	2.1	27.0
JAN 23	-	-	-	0.0	0.0	3.9	1.9	1.9	1.9	28.9
JAN 24	-	-	-	0.0	0.0	3.6	1.8	1.8	1.8	30.8
JAN 25	-	-	-	0.0	0.0	3.5	1.7	1.7	1.7	32.5
JAN 26	-	-	-	0.0	0.0	2.9	1.5	1.5	1.5	34.0
JAN 27	-	-	-	0.0	0.0	2.4	1.2	1.2	1.2	35.2
JAN 28	-	-	-	0.0	0.0	1.9	1.0	1.0	1.0	36.1
JAN 29	-	-	-	0.0	0.0	1.4	0.7	0.7	0.7	36.8
JAN 30	-	-	-	0.0	0.0	0.9	0.4	0.4	0.4	37.2
JAN 31	-	-	-	0.0	0.0	1.0	0.5	0.5	0.5	37.8
Totals:	-	-	-	0.0	0.0	75.5	37.8	37.8	37.8	37.8

(i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.
 (ii) ALL FIGURES ARE IN CUBIC DECANETRES.
 * NATURAL FLOW AT THE EASTERN CROSSING DURING NON-IRRIGATION SEASON IS THE RECORDED FLOW AT THE GAUGE
 (11A005) MILK RIVER AT MILK RIVER.

APPROVED BY: *[Signature]* FOR CANADA *[Signature]* FOR THE UNITED STATES

TABLE 8
SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
FEBRUARY, 1985

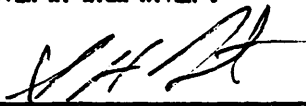
1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incanl. Evap.	Total Consumptive Use		7 Natural Flow at East X-ing	Share		10 Excess(+)/ Deficit(-) Delivery U.S. (9-5)	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.		
				5 U.S.	6 Canada		8 U.S.	9 Canada				
FEB 1:	-	-	-	0.0	0.0	1.2	0.6	0.6	+	0.6	+	0.6
FEB 2:	-	-	-	0.0	0.0	1.4	0.7	0.7	+	0.7	+	1.3
FEB 3:	-	-	-	0.0	0.0	1.6	0.8	0.8	+	0.8	+	2.1
FEB 4:	-	-	-	0.0	0.0	1.6	0.8	0.8	+	0.8	+	2.9
FEB 5:	-	-	-	0.0	0.0	1.7	0.9	0.9	+	0.9	+	3.8
FEB 6:	-	-	-	0.0	0.0	1.6	0.8	0.8	+	0.8	+	4.5
FEB 7:	-	-	-	0.0	0.0	1.4	0.7	0.7	+	0.7	+	5.2
FEB 8:	-	-	-	0.0	0.0	1.1	0.6	0.6	+	0.6	+	5.8
FEB 9:	-	-	-	0.0	0.0	0.9	0.4	0.4	+	0.4	+	6.2
FEB 10:	-	-	-	0.0	0.0	1.2	0.6	0.6	+	0.6	+	6.8
FEB 11:	-	-	-	0.0	0.0	1.6	0.8	0.8	+	0.8	+	7.6
FEB 12:	-	-	-	0.0	0.0	1.9	1.0	1.0	+	1.0	+	8.6
FEB 13:	-	-	-	0.0	0.0	2.2	1.1	1.1	+	1.1	+	9.7
FEB 14:	-	-	-	0.0	0.0	2.5	1.3	1.3	+	1.3	+	11.0
FEB 15:	-	-	-	0.0	0.0	2.4	1.2	1.2	+	1.2	+	12.2
FEB 16:	-	-	-	0.0	0.0	2.2	1.1	1.1	+	1.1	+	13.3
FEB 17:	-	-	-	0.0	0.0	2.1	1.0	1.0	+	1.0	+	14.3
FEB 18:	-	-	-	0.0	0.0	1.9	1.0	1.0	+	1.0	+	15.3
FEB 19:	-	-	-	0.0	0.0	1.7	0.9	0.9	+	0.9	+	16.2
FEB 20:	-	-	-	0.0	0.0	2.1	1.0	1.0	+	1.0	+	17.2
FEB 21:	-	-	-	0.0	0.0	2.4	1.2	1.2	+	1.2	+	18.4
FEB 22:	-	-	-	0.0	0.0	2.8	1.4	1.4	+	1.4	+	19.8
FEB 23:	-	-	-	0.0	0.0	3.1	1.6	1.6	+	1.6	+	21.3
FEB 24:	-	-	-	0.0	0.0	3.5	1.7	1.7	+	1.7	+	23.1
FEB 25:	-	-	-	0.0	0.0	3.8	1.9	1.9	+	1.9	+	25.0
FEB 26:	-	-	-	0.0	0.0	3.8	1.9	1.9	+	1.9	+	26.9
FEB 27:	-	-	-	0.0	0.0	3.7	1.9	1.9	+	1.9	+	28.7
FEB 28:	-	-	-	0.0	0.0	3.7	1.9	1.9	+	1.9	+	30.6
Totals:	-	-	-	0.0	0.0	61.2	30.6	30.6	+	30.6	+	30.6

(i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.

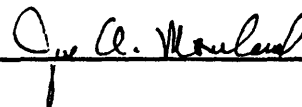
(ii) ALL FIGURES ARE IN CUBIC DECANETRES.

*-NATURAL FLOW AT THE EASTERN CROSSING DURING NON-IRRIGATION SEASON IS THE RECORDED FLOW AT THE GAUGE
(11AA005) MILK RIVER AT MILK RIVER .

APPROVED BY:



FOR CANADA



FOR THE UNITED STATES

TABLE 8
SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
MARCH, 1985

1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incantl. Evap.	Total Consumptive Use		7 Natural Flow at East X-ing (2+3+4 +5+6)	Share		10 Excess(+)/ Deficit(-) Delivery U.S. (9-6)	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.		
				5 U.S.	6 Canada		8 U.S.	9 Canada				
MAR 1:	-	48.9	-	0.0	0.0	48.9	24.5	24.5	+	24.5	+	24.5
MAR 2:	-	44.1	-	0.0	0.0	44.1	22.0	22.0	+	22.0	+	46.5
MAR 3:	-	39.1	-	0.0	0.0	39.1	19.6	19.6	+	19.6	+	66.1
MAR 4:	-	34.2	-	0.0	0.0	34.2	17.1	17.1	+	17.1	+	83.2
MAR 5:	-	11.3	-	0.0	0.0	29.4	14.7	14.7	+	14.7	+	97.8
MAR 6:	19.6	2.0	-	0.0	0.0	24.5	12.2	12.2	+	12.2	+	110.1
MAR 7:	19.6	15.9	-	0.0	0.0	36.7	18.4	18.4	+	18.4	+	128.4
MAR 8:	19.6	28.9	-	0.0	0.0	48.9	24.5	24.5	+	24.5	+	152.9
MAR 9:	19.6	53.3	-	0.0	0.0	73.4	36.7	36.7	+	36.7	+	189.6
MAR 10:	19.6	90.4	-	0.0	0.0	109.7	54.9	54.9	+	54.9	+	244.5
MAR 11:	19.6	128.3	-	0.0	0.0	146.9	73.4	73.4	+	73.4	+	317.9
MAR 12:	19.6	140.8	-	0.0	0.0	159.0	79.5	79.5	+	79.5	+	397.4
MAR 13:	19.6	153.4	-	0.0	0.0	171.1	85.5	85.5	+	85.5	+	482.9
MAR 14:	19.6	203.0	-	0.0	0.0	220.3	110.2	110.2	+	110.2	+	593.1
MAR 15:	19.6	209.1	-	0.0	0.0	225.5	112.8	112.8	+	112.8	+	705.8
MAR 16:	19.6	215.1	-	0.0	0.0	229.8	114.9	114.9	+	114.9	+	820.8
MAR 17:	19.6	219.9	-	0.0	0.0	232.4	116.2	116.2	+	116.2	+	937.0
MAR 18:	24.5	217.7	-	0.0	0.0	235.0	117.5	117.5	+	117.5	+	1054.5
MAR 19:	36.8	216.7	-	0.0	0.0	237.6	118.8	118.8	+	118.8	+	1173.3
MAR 20:	57.5	102.0	5.8	0.0	0.0	240.2	120.1	120.1	+	120.1	+	1293.4
MAR 21:	116.6	0.0	4.3	0.0	0.0	241.9	121.0	121.0	+	121.0	+	1414.3
MAR 22:	184.0	706.8	12.7	0.0	0.0	903.5	451.8	451.8	+	451.8	+	1866.1
MAR 23:	362.9	574.6	7.6	0.0	0.0	945.0	472.5	472.5	+	472.5	+	2338.6
MAR 24:	354.2	520.1	7.6	0.0	0.0	882.0	441.0	441.0	+	441.0	+	2779.6
MAR 25:	460.1	362.0	3.5	0.0	0.0	825.6	412.8	412.8	+	412.8	+	3192.4
MAR 26:	452.7	318.1	3.3	0.0	0.0	774.1	387.1	387.1	+	387.1	+	3579.5
MAR 27:	354.3	301.2	5.3	0.0	0.0	660.8	330.4	330.4	+	330.4	+	3909.8
MAR 28:	303.5	297.0	5.7	0.0	0.0	606.3	303.2	303.2	+	303.2	+	4213.0
MAR 29:	306.8	110.6	5.3	0.0	0.0	422.7	211.4	211.4	+	211.4	+	4424.4
MAR 30:	216.9	166.8	6.8	0.0	0.0	390.4	195.2	195.2	+	195.2	+	4619.6
MAR 31:	199.4	203.0	8.1	0.0	0.0	410.6	205.3	205.3	+	205.3	+	4824.9
Totals:	3665.8	5734.4	76.1	0.0	0.0	9549.7	4824.9	4824.9	+	4824.9	+	4824.9

(i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.
(ii) ALL FIGURES ARE IN CUBIC DECAMETRES.
*-NATURAL FLOW AT THE EASTERN CROSSING, AT AN APPROPRIATE LAG PERIOD, IS EQUAL TO RECORDED FLOW AT GAUGE
(11AA031) NEAR EASTERN CROSSING.

APPROVED BY: *[Signature]* FOR CANADA *[Signature]* FOR THE UNITED STATES

TABLE 8
SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
APRIL, 1985

1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incontl. Evap.	Total Consumptive Use		7 Natural Flow at East X-ing (2+3+4 +5+6)	Share		10 Excess(+)/ Deficit(-) Delivery U.S. (9-6)	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.		
				5 U.S.	6 Canada		8 U.S.	9 Canada				
APR 1:	225.3	87.3	26.4	0.0	0.0	339.0	254.3	84.8	+	84.8	+	84.8
APR 2:	227.1	148.6	14.9	0.0	0.0	390.5	292.9	97.6	+	97.6	+	182.4
APR 3:	175.2	254.0	13.4	0.0	0.0	442.6	332.0	110.7	+	110.7	+	293.0
APR 4:	157.1	305.9	1.2	0.0	0.0	464.2	348.1	116.0	+	116.0	+	409.1
APR 5:	179.4	775.0	34.6	0.0	0.0	989.0	741.7	247.2	+	247.2	+	656.3
APR 6:	204.3	808.7	26.2	0.0	0.0	1039.3	779.5	259.8	+	259.8	+	916.1
APR 7:	335.5	66.5	13.4	0.0	0.0	415.4	311.5	103.8	+	103.8	+	1020.0
APR 8:	1009.3	-570.2	14.0	0.0	0.0	453.0	339.8	113.3	+	113.3	+	1133.3
APR 9:	943.9	-665.3	14.9	0.0	0.0	293.5	220.1	73.4	+	73.4	+	1206.6
APR 10:	473.1	-222.9	23.2	0.0	0.0	273.4	205.1	68.4	+	68.4	+	1275.0
APR 11:	402.2	-149.5	44.7	0.0	0.0	297.4	223.0	74.3	+	74.3	+	1349.3
APR 12:	378.1	-179.7	44.2	0.0	0.0	242.6	182.0	60.7	+	60.7	+	1410.0
APR 13:	293.4	0.0	79.2	0.0	0.0	372.6	279.4	93.1	+	93.1	+	1503.1
APR 14:	284.3	163.3	64.2	0.0	0.0	511.9	383.9	128.0	+	128.0	+	1631.1
APR 15:	371.1	112.3	32.5	0.0	0.0	516.0	387.0	129.0	+	129.0	+	1760.1
APR 16:	514.2	-146.9	31.4	0.0	0.0	398.7	299.0	99.7	+	99.7	+	1859.8
APR 17:	588.7	-232.4	54.1	0.0	0.0	410.3	307.7	102.6	+	102.6	+	1962.3
APR 18:	502.3	-137.4	50.6	0.0	0.0	415.5	311.6	103.9	+	103.9	+	2066.2
APR 19:	538.5	-182.3	35.5	0.0	0.0	391.7	293.8	97.9	+	97.9	+	2164.1
APR 20:	566.6	-330.0	16.7	0.0	0.0	253.3	189.9	63.3	+	63.3	+	2227.5
APR 21:	514.3	-362.9	22.3	0.0	0.0	173.8	130.3	43.4	+	43.4	+	2270.9
APR 22:	376.1	-311.0	35.0	0.0	0.0	100.1	75.1	25.0	+	25.0	+	2295.9
APR 23:	319.9	-246.2	41.9	0.0	0.0	115.6	86.7	28.9	+	28.9	+	2324.8
APR 24:	333.8	-242.8	36.4	0.0	0.0	127.4	95.6	31.9	+	31.9	+	2356.7
APR 25:	333.8	-121.8	17.8	0.0	0.0	229.7	172.3	57.4	+	57.4	+	2414.1
APR 26:	296.0	-106.3	42.9	0.0	0.0	232.6	174.5	58.2	+	58.2	+	2472.3
APR 27:	235.9	-76.9	75.3	0.0	0.0	234.3	175.7	58.6	+	58.6	+	2530.9
APR 28:	219.5	-95.0	89.4	0.0	0.0	213.8	160.3	53.4	+	53.4	+	2584.3
APR 29:	199.6	-152.9	44.2	0.0	0.0	90.9	68.2	22.7	+	22.7	+	2607.0
APR 30:	192.5	-126.1	67.5	0.0	0.0	133.9	100.4	33.5	+	33.5	+	2640.5
Totals:	11391.0	-1937.1	1108.0	0.0	0.0	10561.9	7921.4	2640.5	+	2640.5	+	2640.5

(i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.
(ii) ALL FIGURES ARE IN CUBIC DECAMETRES.

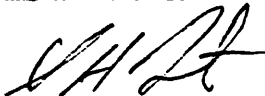
APPROVED BY: *J.H.D.* FOR CANADA *Jack Woulard* FOR THE UNITED STATES

TABLE 8
SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
MAY 1985

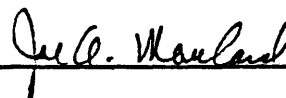
1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incantl. Evap.	Total Consumptive Use		7 Natural Flow at East X-ing (2+3+4 +5+6)	Share		10 Excess(+)/ Deficit(-) Delivery U.S. (9-6)	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.		
				5 U.S.	6 Canada		8 U.S.	9 Canada				
MAY 1:	196.7	-32.8	69.7	0.0	0.0	233.5	175.1	58.4	+	58.4	+	58.4
MAY 2:	190.8	-20.7	67.1	0.0	0.0	237.1	177.9	59.3	+	59.3	+	117.7
MAY 3:	193.2	22.5	65.4	0.0	-6.8	274.2	205.7	68.6	+	75.4	+	193.0
MAY 4:	218.9	122.7	93.3	0.0	-6.9	427.9	320.9	107.0	+	113.9	+	306.9
MAY 5:	284.7	-127.0	69.9	0.0	-8.6	218.9	164.2	54.7	+	63.4	+	370.3
MAY 6:	318.4	-273.0	46.3	0.0	-13.0	78.7	59.0	19.7	+	32.6	+	403.0
MAY 7:	302.0	140.8	27.2	0.0	-17.3	452.7	339.5	113.2	+	130.5	+	533.4
MAY 8:	298.5	602.2	38.6	0.0	-21.6	917.7	688.3	229.4	+	251.0	+	784.4
MAY 9:	317.5	289.4	31.8	0.0	-25.9	612.9	459.7	153.2	+	179.1	+	963.6
MAY 10:	330.6	66.5	42.5	0.0	-27.5	412.1	309.1	103.0	+	130.5	+	1094.1
MAY 11:	304.1	105.4	89.2	0.0	-28.7	470.0	352.5	117.5	+	146.2	+	1240.3
MAY 12:	258.3	90.7	45.0	0.0	-29.6	364.4	273.3	91.1	+	120.7	+	1361.0
MAY 13:	233.3	-117.5	56.0	0.0	-33.6	138.2	103.6	34.5	+	68.2	+	1429.2
MAY 14:	219.5	-311.0	62.7	0.0	-43.7	0.0	0.0	0.0	+	43.7	+	1472.9
MAY 15:	209.1	-318.0	66.4	0.0	-37.8	0.0	0.0	0.0	+	37.8	+	1510.7
MAY 16:	194.5	-426.8	54.2	97.6	25.1	0.0	0.0	0.0	-	25.1	+	1485.6
MAY 17:	185.0	-322.3	60.8	97.6	23.2	44.3	33.2	11.1	-	12.1	+	1473.5
MAY 18:	174.6	-320.5	58.4	97.6	24.1	34.2	25.7	8.6	-	15.5	+	1458.0
MAY 19:	160.1	-265.2	58.4	97.6	24.0	74.9	56.2	18.7	-	5.3	+	1452.7
MAY 20:	148.0	-184.0	68.3	97.6	24.1	154.0	115.5	38.5	+	14.4	+	1467.1
MAY 21:	138.5	-36.3	74.8	97.6	21.3	295.9	222.0	74.0	+	52.6	+	1519.7
MAY 22:	133.3	-22.5	81.0	97.6	20.2	309.7	232.3	77.4	+	57.2	+	1576.9
MAY 23:	129.4	-53.6	92.0	97.6	20.5	285.9	214.4	71.5	+	51.0	+	1627.9
MAY 24:	125.1	-14.7	80.5	97.6	19.4	307.9	231.0	77.0	+	57.5	+	1685.5
MAY 25:	123.4	-13.0	63.6	97.6	18.2	289.9	217.4	72.5	+	54.2	+	1739.7
MAY 26:	118.6	-25.1	64.5	97.6	17.5	273.2	204.9	68.3	+	50.8	+	1790.5
MAY 27:	93.4	-95.9	66.5	97.6	12.8	174.4	130.8	43.6	+	30.8	+	1821.3
MAY 28:	88.4	85.3	67.8	97.6	14.6	353.6	265.2	88.4	+	73.8	+	1895.2
MAY 29:	69.5	13.3	141.0	97.6	13.7	335.0	251.3	83.8	+	70.1	+	1965.3
MAY 30:	107.1	857.8	175.5	97.6	9.2	1247.2	935.4	311.8	+	302.6	+	2267.9
MAY 31:	117.6	173.4	64.5	97.6	9.2	462.3	346.8	115.6	+	106.3	+	2374.3
Totals:	5982.0	-409.9	2142.6	1562.1	-4.0	9481.1	7110.8	2370.3	+	2374.3	+	2374.3

- (i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.
(ii) ALL FIGURES ARE IN CUBIC DECANETRES.

APPROVED BY:



FOR CANADA



FOR THE UNITED STATES

TABLE 8
SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
JUNE, 1985

1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incantl. Evap.	Total Consumptive Use		7 Natural Flow at East X-ing (2+3+4 +5+6)	Share		10 Excess(+)/ Deficit(-) Delivery U.S. (9-6)	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.		
				5 U.S.	6 Canada		8 U.S.	9 Canada				
JUN 1	114.2	479.2	46.1	97.6	0.3	737.5	553.1	184.4	+	184.0	+	184.0
JUN 2	154.7	1211.3	65.1	97.6	10.0	1538.9	1154.2	384.7	+	374.7	+	558.7
JUN 3	174.5	917.6	54.7	97.6	12.8	1257.2	942.9	314.3	+	301.5	+	860.2
JUN 4	593.6	-249.7	90.3	97.6	13.7	545.5	409.2	136.4	+	122.6	+	982.9
JUN 5	1160.9	-777.6	55.7	97.6	13.7	550.4	412.8	137.6	+	123.9	+	1105.8
JUN 6	1155.1	-898.6	48.2	97.6	14.8	418.2	313.6	104.5	+	89.8	+	1195.5
JUN 7	572.5	-503.7	55.3	97.6	14.2	235.9	176.9	59.0	+	44.8	+	1241.3
JUN 8	404.4	-323.1	45.5	97.6	13.7	238.0	178.5	59.5	+	45.8	+	1287.1
JUN 9	343.1	-247.1	38.2	97.6	17.5	249.4	187.0	62.3	+	44.8	+	1331.9
JUN 10	296.4	-174.5	58.9	97.6	23.2	301.7	226.3	75.4	+	52.2	+	1384.1
JUN 11	239.2	-138.2	66.5	97.6	31.3	296.4	222.3	74.1	+	42.8	+	1425.9
JUN 12	194.2	-102.8	65.4	97.6	32.1	286.6	214.9	71.6	+	39.5	+	1466.4
JUN 13	167.5	-66.5	42.4	97.6	51.9	292.9	219.7	73.2	+	21.3	+	1487.7
JUN 14	161.5	-121.0	104.6	97.6	50.5	293.2	219.9	73.3	+	22.8	+	1510.6
JUN 15	254.8	-285.1	72.2	97.6	25.1	164.7	123.5	41.2	+	15.0	+	1525.6
JUN 16	209.9	-171.1	69.4	97.6	14.7	220.5	165.4	55.1	+	40.4	+	1567.0
JUN 17	170.1	-98.5	80.6	97.6	12.8	262.6	197.0	65.7	+	52.9	+	1619.9
JUN 18	155.7	-102.8	58.3	97.6	11.7	220.6	165.4	55.1	+	43.4	+	1663.3
JUN 19	132.3	-114.9	88.1	97.6	12.8	215.8	161.9	54.0	+	41.2	+	1704.5
JUN 20	116.7	-56.2	67.6	97.6	19.0	244.9	183.6	61.2	+	42.2	+	1746.7
JUN 21	100.4	-75.3	63.7	97.6	22.0	208.5	155.3	52.1	+	30.1	+	1776.8
JUN 22	86.8	-79.6	62.8	97.6	18.0	185.6	139.2	46.4	+	28.4	+	1805.2
JUN 23	76.5	-9.4	101.9	97.6	16.1	282.6	212.0	70.7	+	54.6	+	1859.8
JUN 24	67.9	7.8	85.0	97.6	18.7	277.1	207.8	69.3	+	50.5	+	1910.3
JUN 25	67.1	2.1	69.6	97.6	21.6	258.0	193.5	64.5	+	42.9	+	1953.2
JUN 26	88.6	-143.2	105.3	97.6	21.7	170.0	127.5	42.5	+	20.8	+	1974.1
JUN 27	94.4	-124.8	77.1	97.6	18.1	162.5	121.9	40.6	+	22.6	+	1996.6
JUN 28	120.5	-216.0	104.7	97.6	22.6	129.5	97.1	32.4	+	9.7	+	2006.4
JUN 29	102.6	-148.6	88.3	97.6	26.3	166.1	124.6	41.5	+	15.3	+	2021.6
JUN 30	77.0	-114.4	61.8	97.6	25.3	148.3	111.2	37.1	+	10.8	+	2032.4
Totals:	7654.3	-2724.8	2093.3	2928.9	607.3	10559.0	7919.3	2639.8	+	2032.4	+	2032.4

(i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.
(ii) ALL FIGURES ARE IN CUBIC DECAMETRES.

APPROVED BY:

FOR CANADA

FOR THE UNITED STATES

TABLE 8

SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
JULY, 1985

1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incanal. Evap.	Total Consumptive Use		7 Natural Flow at East X-ing (2+3+4 +5+6)	Share		10 Excess(+)/ Deficit(-) Delivery U.S. (9-6)	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.		
				5 U.S.	6 Canada		8 U.S.	9 Canada				
JUL 1:	60.3	-52.3	93.3	29.4	7.9	138.6	104.0	34.7	+	25.8	+	25.8
JUL 2:	49.4	-112.0	130.7	29.4	4.3	101.8	76.4	25.5	+	21.1	+	47.9
JUL 3:	42.3	-260.4	125.7	29.4	4.0	0.0	0.0	0.0	-	4.0	+	44.0
JUL 4:	39.1	-422.2	99.7	29.4	4.2	0.0	0.0	0.0	-	4.2	+	39.7
JUL 5:	37.8	-317.8	117.4	29.4	4.7	0.0	0.0	0.0	-	4.7	+	35.1
JUL 6:	38.1	-240.4	110.7	29.4	6.9	0.0	0.0	0.0	-	6.9	+	28.2
JUL 7:	31.0	-251.3	98.6	29.4	6.6	0.0	0.0	0.0	-	6.6	+	21.5
JUL 8:	26.0	-247.8	100.6	29.4	6.2	0.0	0.0	0.0	-	6.2	+	15.3
JUL 9:	23.4	-263.0	97.9	29.4	5.9	0.0	0.0	0.0	-	5.9	+	9.4
JUL 10:	19.7	-450.1	133.7	29.4	7.6	0.0	0.0	0.0	-	7.6	+	1.8
JUL 11:	14.6	-453.3	104.5	29.4	8.4	0.0	0.0	0.0	-	8.4	-	6.5
JUL 12:	12.8	-292.8	68.6	29.4	9.0	0.0	0.0	0.0	-	9.0	-	15.5
JUL 13:	10.8	-85.2	44.7	29.4	8.6	8.3	6.2	2.1	-	6.6	-	22.1
JUL 14:	9.5	108.9	32.1	29.4	11.7	191.5	143.6	47.9	+	36.2	+	14.1
JUL 15:	9.5	164.0	27.6	29.4	10.4	240.9	180.7	60.2	+	49.9	+	64.0
JUL 16:	8.0	124.2	29.4	29.4	13.3	204.4	153.3	51.1	+	37.8	+	101.8
JUL 17:	8.0	-291.2	37.5	29.4	16.2	0.0	0.0	0.0	-	16.2	+	85.5
JUL 18:	8.8	-248.0	92.2	29.4	15.2	0.0	0.0	0.0	-	15.2	+	70.3
JUL 19:	10.3	-267.8	92.7	29.4	11.8	0.0	0.0	0.0	-	11.8	+	58.5
JUL 20:	9.5	-328.3	105.5	29.4	11.2	0.0	0.0	0.0	-	11.2	+	47.3
JUL 21:	8.8	-397.4	99.0	29.4	13.1	0.0	0.0	0.0	-	13.1	+	34.1
JUL 22:	9.5	-397.4	99.0	29.4	13.8	0.0	0.0	0.0	-	13.8	+	20.3
JUL 23:	11.0	-319.7	44.7	29.4	15.4	0.0	0.0	0.0	-	15.4	+	4.9
JUL 24:	10.5	-302.4	71.4	29.4	15.0	0.0	0.0	0.0	-	15.0	-	10.1
JUL 25:	11.0	-276.5	73.9	29.4	12.1	0.0	0.0	0.0	-	12.1	-	22.2
JUL 26:	9.5	-224.6	132.7	29.4	13.8	0.0	0.0	0.0	-	13.8	-	36.0
JUL 27:	8.8	-216.0	103.5	29.4	16.2	0.0	0.0	0.0	-	16.2	-	52.1
JUL 28:	9.5	-216.0	102.6	29.4	16.9	0.0	0.0	0.0	-	16.9	-	69.1
JUL 29:	10.3	-257.8	76.7	29.4	6.5	0.0	0.0	0.0	-	6.5	-	75.6
JUL 30:	10.3	-293.8	65.6	29.4	3.8	0.0	0.0	0.0	-	3.8	-	79.3
JUL 31:	10.0	-257.8	59.0	29.4	3.6	0.0	0.0	0.0	-	3.6	-	83.0
Totals:	578.3	-7366.1	2671.3	910.8	304.3	885.5	664.1	221.4	-	83.0	-	83.0

(i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.
(ii) ALL FIGURES ARE IN CUBIC DECAMETRES.

APPROVED BY: *VH St* FOR CANADA *Joe A. Mansard* FOR THE UNITED STATES

TABLE 8

SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
AUGUST, 1985

1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incontl. Evap.	5 Total Consumptive Use		7 Natural Flow at East X-ing (2+3+4 +5+6)	8 Share		10 Excess(+)/ Deficit(-)/ Delivery U.S. (9-5)	11 Cumulative Excess(+)/ Deficit(-)/ Delivery U.S.
				U.S.	Canada		U.S.	Canada		
AUG 1:	9.5	-276.5	127.9	21.6	-4.1	0.0	0.0	0.0	4.1	4.1
AUG 2:	9.5	-250.6	149.8	21.6	-6.9	0.0	0.0	0.0	6.9	11.0
AUG 3:	9.5	-146.9	100.7	21.6	-15.6	0.0	0.0	0.0	15.6	26.5
AUG 4:	10.3	-155.5	82.2	21.6	-15.6	0.0	0.0	0.0	15.6	42.1
AUG 5:	10.3	-190.1	116.2	21.6	-15.6	0.0	0.0	0.0	15.6	57.6
AUG 6:	10.3	-198.7	112.6	21.6	-15.6	0.0	0.0	0.0	15.6	73.2
AUG 7:	9.5	-172.8	112.1	21.6	-15.6	0.0	0.0	0.0	15.6	88.7
AUG 8:	10.3	-172.8	103.1	21.6	-24.2	0.0	0.0	0.0	24.2	112.9
AUG 9:	9.5	-172.8	79.1	21.6	-24.2	0.0	0.0	0.0	24.2	137.1
AUG 10:	9.5	-181.4	50.6	21.6	-24.2	0.0	0.0	0.0	24.2	161.3
AUG 11:	9.5	-198.7	57.7	21.6	-24.2	0.0	0.0	0.0	24.2	185.5
AUG 12:	9.5	-146.9	66.4	21.6	-24.2	0.0	0.0	0.0	24.2	209.7
AUG 13:	9.5	-77.8	55.3	21.6	-24.2	0.0	0.0	0.0	24.2	233.9
AUG 14:	11.0	-69.1	47.2	21.6	-24.2	0.0	0.0	0.0	24.2	258.0
AUG 15:	11.5	17.3	31.0	21.6	-24.2	57.2	42.9	14.3	38.5	296.5
AUG 16:	15.2	43.2	33.8	21.6	-24.2	89.6	67.2	22.4	46.6	343.1
AUG 17:	18.3	-8.6	55.0	21.6	-24.5	61.7	46.3	15.4	40.0	383.1
AUG 18:	23.2	-25.9	73.1	21.6	-21.3	70.8	53.1	17.7	38.9	422.0
AUG 19:	18.3	-34.6	53.0	21.6	-16.2	42.1	31.6	10.5	26.8	448.8
AUG 20:	16.7	-129.6	43.5	21.6	-15.4	0.0	0.0	0.0	15.4	464.2
AUG 21:	31.8	-129.6	35.5	21.6	-16.6	0.0	0.0	0.0	16.6	480.8
AUG 22:	20.6	34.6	15.5	21.6	-18.3	73.9	55.4	18.5	36.8	517.6
AUG 23:	15.9	129.6	66.8	21.6	-29.8	204.1	153.1	51.0	80.8	598.4
AUG 24:	13.7	77.8	72.6	21.6	-20.9	164.8	123.6	41.2	62.1	660.5
AUG 25:	13.7	-86.4	76.6	21.6	-11.5	14.1	10.6	3.5	15.0	675.5
AUG 26:	16.7	-121.0	42.2	21.6	-7.1	0.0	0.0	0.0	7.1	682.6
AUG 27:	18.3	-77.8	32.9	21.6	-7.7	0.0	0.0	0.0	7.7	650.3
AUG 28:	16.8	-1.6	31.1	21.6	-7.4	60.5	45.4	15.1	22.5	712.8
AUG 29:	13.4	-0.4	40.8	21.6	-6.4	68.9	51.7	17.2	23.6	736.5
AUG 30:	12.3	-25.9	96.3	21.6	-8.8	95.5	71.6	23.9	32.7	769.1
AUG 31:	11.5	-61.0	64.3	21.6	-8.3	28.1	21.0	7.0	15.3	784.4
Totals:	425.6	-2810.6	2125.1	669.6	-526.6	1031.2	773.4	257.8	784.4	784.4

(i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.
(ii) ALL FIGURES ARE IN CUBIC DECAMETRES.

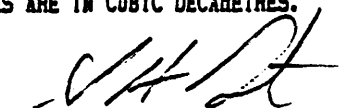
APPROVED BY: *SA St* FOR CANADA *Joe A. Moulard* FOR THE UNITED STATES

TABLE 8
SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
SEPTEMBER, 1985

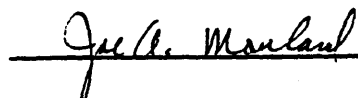
1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incantl. Evap.	Total Consumptive Use		7 Natural Flow at East X-ing (2+3+4 +5+6)	Share		10 Excess(+)/ Deficit(-) Delivery U.S. (9-6)	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.
				5 U.S.	6 Canada		8 U.S.	9 Canada		
SEP 1:	16.9	-109.1	58.6	13.8	-20.6	0.0	0.0	0.0	20.6	20.6
SEP 2:	17.2	-117.2	47.0	13.8	-23.6	0.0	0.0	0.0	23.6	44.2
SEP 3:	18.4	-55.8	31.1	13.8	-21.1	0.0	0.0	0.0	21.1	65.2
SEP 4:	16.3	-28.5	59.3	13.8	-22.2	38.7	29.0	9.7	31.9	97.1
SEP 5:	13.4	-44.3	42.8	13.8	-23.6	2.1	1.6	0.5	24.1	121.2
SEP 6:	13.1	60.3	31.4	13.8	-23.7	95.0	71.3	23.8	47.4	168.7
SEP 7:	13.0	423.4	19.5	13.8	-25.1	444.5	333.4	111.1	136.3	304.9
SEP 8:	14.4	216.0	27.8	13.8	-39.7	232.4	174.3	58.1	97.8	402.7
SEP 9:	15.9	319.7	18.2	13.8	-37.5	330.1	247.6	82.5	120.0	522.7
SEP 10:	15.9	414.7	17.1	13.8	-39.8	421.7	316.3	105.4	145.3	668.0
SEP 11:	25.7	352.6	54.9	13.8	-36.3	410.7	308.0	102.7	139.0	807.0
SEP 12:	33.7	1225.8	88.5	13.8	-33.0	1328.9	996.6	332.2	365.2	1172.2
SEP 13:	35.9	946.3	59.2	13.8	-32.1	1023.3	767.5	255.8	287.9	1460.0
SEP 14:	43.1	558.3	29.0	13.8	-59.8	584.4	438.3	146.1	205.9	1665.9
SEP 15:	41.3	1057.5	23.9	13.8	-45.0	1091.5	818.6	272.9	317.9	1983.8
SEP 16:	77.8	1000.3	27.3	0.0	-63.2	1042.2	781.6	260.5	323.7	2307.5
SEP 17:	389.3	-222.0	26.4	0.0	-61.7	132.0	99.0	33.0	94.7	2402.2
SEP 18:	553.1	-157.2	19.2	0.0	-61.9	353.1	264.8	88.3	150.2	2552.5
SEP 19:	287.8	542.6	12.7	0.0	-62.0	781.0	585.8	195.3	257.3	2809.8
SEP 20:	193.5	139.1	27.1	0.0	-65.8	293.8	220.4	73.5	139.3	2949.0
SEP 21:	127.8	38.9	22.7	0.0	-63.6	125.8	94.3	31.4	95.0	3044.1
SEP 22:	97.4	85.9	29.0	0.0	-62.6	149.7	112.3	37.4	100.0	3144.1
SEP 23:	97.4	39.4	26.1	0.0	-65.5	97.4	73.1	24.4	89.8	3233.9
SEP 24:	100.2	87.1	18.5	0.0	-65.8	140.1	105.0	35.0	100.8	3334.7
SEP 25:	221.3	-108.0	43.4	0.0	-64.3	92.4	69.3	23.1	87.4	3422.0
SEP 26:	204.7	-103.7	31.3	0.0	-68.2	64.1	48.1	16.0	84.2	3506.2
SEP 27:	160.5	-214.3	18.4	0.0	-66.1	0.0	0.0	0.0	66.1	3572.3
SEP 28:	149.7	-514.1	4.3	0.0	-69.4	0.0	0.0	0.0	69.4	3641.7
SEP 29:	165.7	-375.0	11.4	0.0	-69.9	0.0	0.0	0.0	69.9	3711.6
SEP 30:	151.0	-98.5	13.3	0.0	-67.3	0.0	0.0	0.0	67.3	3778.9
Totals:	3311.4	5360.2	939.2	207.3	-1460.2	9274.9	6956.2	2318.7	3778.9	3778.9

- (i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.
(ii) ALL FIGURES ARE IN CUBIC DECAMETRES.

APPROVED BY:



FOR CANADA



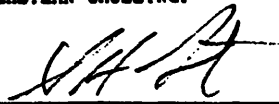
FOR THE UNITED STATES

TABLE 8
SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
OCTOBER, 1985

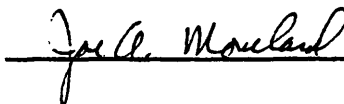
1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incantl. Evap.	Total Consumptive Use		7 Natural Flow at East X-ing (2+3+4 +5+6)	Share		10 Excess(+)/ Deficit(-) Delivery U.S. (9-6)	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.		
				5 U.S.	6 Canada		8 U.S.	9 Canada				
OCT 1:	133.7	122.7	-	0.0	-73.3	183.2	137.4	45.8	+	119.1	+	119.1
OCT 2:	134.4	284.3	-	0.0	-68.8	349.9	262.4	87.5	+	156.3	+	275.3
OCT 3:	142.6	303.6	-	0.0	-71.2	375.1	281.3	93.8	+	165.0	+	440.3
OCT 4:	157.1	271.8	-	0.0	-68.9	360.0	270.0	90.0	+	158.9	+	599.1
OCT 5:	142.5	250.9	-	0.0	-71.1	322.3	241.7	80.6	+	151.7	+	750.8
OCT 6:	125.1	276.1	-	0.0	-65.8	335.5	251.6	83.9	+	149.6	+	900.4
OCT 7:	111.3	-	-	0.0	-66.4	420.8	315.6	105.2	+	171.6	+	1072.1
OCT 8:	117.3	-	-	0.0	-71.5	388.8	291.6	97.2	+	168.7	+	1240.7
OCT 9:	121.0	-	-	0.0	-70.0	327.5	245.6	81.9	+	151.8	+	1392.6
OCT 10:	122.6	-	-	0.0	-69.1	384.5	288.4	96.1	+	165.2	+	1557.8
OCT 11:	153.9	-	-	0.0	-61.1	420.8	315.6	105.2	+	166.3	+	1724.1
OCT 12:	151.0	-	-	0.0	-83.6	545.2	408.9	136.3	+	219.9	+	1944.0
OCT 13:	158.2	-	-	0.0	-72.6	443.2	332.4	110.8	+	183.4	+	2127.4
OCT 14:	150.4	-	-	0.0	-68.9	381.9	286.4	95.5	+	164.4	+	2291.8
OCT 15:	241.1	-	-	0.0	-67.6	406.1	304.6	101.5	+	169.1	+	2460.9
OCT 16:	198.3	-	-	0.0	-66.4	369.8	277.3	92.4	+	158.9	+	2619.8
OCT 17:	235.4	-	-	0.0	-65.4	374.1	280.6	93.5	+	158.9	+	2778.7
OCT 18:	315.2	-	-	0.0	-64.6	420.8	315.6	105.2	+	169.8	+	2948.6
OCT 19:	275.7	-	-	0.0	-64.6	376.7	282.5	94.2	+	158.8	+	3107.4
OCT 20:	246.3	-	-	0.0	-63.8	347.3	260.5	86.8	+	150.6	+	3258.0
OCT 21:	265.9	-	-	0.0	-61.0	359.4	269.6	89.9	+	150.9	+	3408.8
OCT 22:	354.1	-	-	0.0	-63.0	379.3	284.5	94.8	+	157.8	+	3566.6
OCT 23:	301.6	-	-	0.0	-61.2	349.9	262.4	87.5	+	148.7	+	3715.3
OCT 24:	245.5	-	-	0.0	-62.1	312.8	234.6	78.2	+	140.3	+	3855.6
OCT 25:	203.3	-	-	0.0	-63.6	288.6	216.4	72.1	+	135.7	+	3991.3
OCT 26:	182.6	-	-	0.0	-58.6	273.9	205.4	68.5	+	127.1	+	4118.4
OCT 27:	171.3	-	-	0.0	-59.2	256.6	192.5	64.2	+	123.3	+	4241.7
OCT 28:	159.7	-	-	0.0	-54.3	241.9	181.4	60.5	+	114.8	+	4356.5
OCT 29:	154.5	-	-	0.0	-54.9	237.6	178.2	59.4	+	114.3	+	4470.8
OCT 30:	158.8	-	-	0.0	-56.4	220.3	165.2	55.1	+	111.5	+	4582.3
OCT 31:	168.3	-	-	0.0	-47.6	212.5	159.4	53.1	+	100.7	+	4683.0
Totals:	5799.0	1509.4	-	0.0	-2016.5	10666.2	7999.6	2666.5	+	4683.0	+	4683.0

(i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.
(ii) ALL FIGURES ARE IN CUBIC DECAMETRES.
*-NATURAL FLOW AT THE EASTERN CROSSING, AT AN APPROPRIATE LAG PERIOD, IS EQUAL TO RECORDED FLOW AT GAUGE (11AA031) NEAR EASTERN CROSSING.

APPROVED BY:



FOR CANADA



FOR THE UNITED STATES

TABLE 8

SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
NOVEMBER, 1985

1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incanatl. Evap.	Total Consumptive Use		7 Natural Flow at East X-ing	Share		10 Excess(+)/ Deficit(-) Delivery U.S. (9-6)	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.
				5 U.S.	6 Canada		8 U.S.	9 Canada		
NOV 1:	285.8	-	-	0.0	-57.8	154.7	77.3	77.3	135.1	135.1
NOV 2:	305.8	-	-	0.0	-57.3	146.9	73.4	73.4	130.7	265.9
NOV 3:	240.1	-	-	0.0	-53.6	127.9	63.9	63.9	117.5	383.4
NOV 4:	214.2	-	-	0.0	-52.2	132.2	65.1	65.1	118.3	501.6
NOV 5:	203.0	-	-	0.0	-49.9	124.4	62.2	62.2	112.1	613.7
NOV 6:	0.0	-	-	0.0	-48.4	118.4	59.2	59.2	107.6	721.3
NOV 7:	0.0	-	-	0.0	-47.5	95.0	47.5	47.5	95.0	816.3
NOV 8:	0.0	-	-	0.0	-45.8	93.3	46.7	46.7	92.4	908.8
NOV 9:	0.0	-	-	0.0	-43.2	92.4	46.2	46.2	89.4	998.2
NOV 10:	0.0	-	-	0.0	-39.7	93.3	46.7	46.7	86.4	1084.6
NOV 11:	0.0	-	-	0.0	-35.9	94.2	47.1	47.1	83.0	1167.6
NOV 12:	0.0	-	-	0.0	-34.6	95.0	47.5	47.5	82.1	1249.7
NOV 13:	0.0	-	-	0.0	-33.7	96.8	48.4	48.4	82.1	1331.8
NOV 14:	0.0	-	-	0.0	-32.7	95.9	48.0	48.0	80.6	1412.4
NOV 15:	0.0	-	-	0.0	-29.4	95.9	48.0	48.0	77.3	1489.7
NOV 16:	0.0	-	-	0.0	-24.2	95.0	47.5	47.5	71.7	1551.4
NOV 17:	0.0	-	-	0.0	-19.0	95.0	47.5	47.5	66.5	1627.9
NOV 18:	0.0	-	-	0.0	-13.8	94.2	47.1	47.1	60.9	1688.9
NOV 19:	0.0	-	-	0.0	-6.9	94.2	47.1	47.1	54.0	1742.9
NOV 20:	0.0	-	-	0.0	-1.7	95.0	47.5	47.5	49.2	1792.1
NOV 21:	0.0	-	-	0.0	0.0	96.8	48.4	48.4	48.4	1840.5
NOV 22:	-	-	-	0.0	0.0	95.0	47.5	47.5	47.5	1888.0
NOV 23:	-	-	-	0.0	0.0	89.9	44.9	44.9	44.9	1932.9
NOV 24:	-	-	-	0.0	0.0	73.3	36.6	36.6	36.6	1969.6
NOV 25:	-	-	-	0.0	0.0	64.0	32.0	32.0	32.0	2001.6
NOV 26:	-	-	-	0.0	0.0	53.5	26.7	26.7	26.7	2028.3
NOV 27:	-	-	-	0.0	0.0	36.5	18.2	18.2	18.2	2046.5
NOV 28:	-	-	-	0.0	0.0	27.8	13.9	13.9	13.9	2060.5
NOV 29:	-	-	-	0.0	0.0	24.9	12.4	12.4	12.4	2072.9
NOV 30:	-	-	-	0.0	0.0	21.4	10.7	10.7	10.7	2083.6
Totals:	1248.8	-	-	0.0	-727.2	2712.8	1356.4	1356.4	2083.6	2083.6

(i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.

(ii) ALL FIGURES ARE IN CUBIC DECAMETRES.

*-NATURAL FLOW AT THE EASTERN CROSSING DURING NON-IRRIGATION SEASON IS THE RECORDED FLOW AT THE GAUGE

(11AA005) MILK RIVER AT MILK RIVER.

APPROVED BY:

[Signature]

FOR CANADA

[Signature]

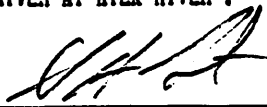
FOR THE UNITED STATES

TABLE 8
SUMMARY OF DAILY
NET INFLOW AND NATURAL FLOW, EVAPORATIVE AND NET CONSUMPTIVE USES
AND DELIVERIES OF MILK RIVER NATURAL FLOW AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
DECEMBER, 1985

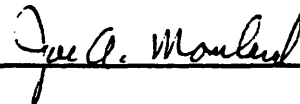
1 Date at East X-ing	2 Natural Flow at West X-ing	3 Net East-West Change	4 Incanatl. Evap.	Total Consumptive Use		7 Natural Flow at East X-ing	Share		10 Excess(+)/ Deficit(-) Delivery U.S. (9-5)	11 Cumulative Excess(+)/ Deficit(-) Delivery U.S.
				5 U.S.	6 Canada		8 U.S.	9 Canada		
DEC 1	-	-	-	0.0	0.0	14.9	7.5	7.5	7.5	7.5
DEC 2	-	-	-	0.0	0.0	12.9	6.4	6.4	6.4	13.9
DEC 3	-	-	-	0.0	0.0	8.9	4.4	4.4	4.4	18.4
DEC 4	-	-	-	0.0	0.0	9.8	4.9	4.9	4.9	23.2
DEC 5	-	-	-	0.0	0.0	11.5	5.7	5.7	5.7	29.0
DEC 6	-	-	-	0.0	0.0	15.3	7.6	7.6	7.6	36.6
DEC 7	-	-	-	0.0	0.0	19.0	9.5	9.5	9.5	46.1
DEC 8	-	-	-	0.0	0.0	21.2	10.6	10.6	10.6	56.7
DEC 9	-	-	-	0.0	0.0	18.7	9.4	9.4	9.4	66.1
DEC 10	-	-	-	0.0	0.0	19.2	9.6	9.6	9.6	75.7
DEC 11	-	-	-	0.0	0.0	19.0	9.5	9.5	9.5	85.2
DEC 12	-	-	-	0.0	0.0	19.9	9.9	9.9	9.9	95.1
DEC 13	-	-	-	0.0	0.0	20.7	10.4	10.4	10.4	105.5
DEC 14	-	-	-	0.0	0.0	19.9	9.9	9.9	9.9	115.4
DEC 15	-	-	-	0.0	0.0	20.7	10.4	10.4	10.4	125.8
DEC 16	-	-	-	0.0	0.0	26.7	13.3	13.3	13.3	139.1
DEC 17	-	-	-	0.0	0.0	31.0	15.5	15.5	15.5	154.7
DEC 18	-	-	-	0.0	0.0	31.1	15.6	15.6	15.6	170.2
DEC 19	-	-	-	0.0	0.0	30.3	15.2	15.2	15.2	185.4
DEC 20	-	-	-	0.0	0.0	29.8	14.9	14.9	14.9	200.3
DEC 21	-	-	-	0.0	0.0	28.4	14.2	14.2	14.2	214.5
DEC 22	-	-	-	0.0	0.0	28.5	14.3	14.3	14.3	228.7
DEC 23	-	-	-	0.0	0.0	29.4	14.7	14.7	14.7	243.4
DEC 24	-	-	-	0.0	0.0	35.4	17.7	17.7	17.7	261.1
DEC 25	-	-	-	0.0	0.0	42.2	21.1	21.1	21.1	282.2
DEC 26	-	-	-	0.0	0.0	62.1	31.1	31.1	31.1	313.3
DEC 27	-	-	-	0.0	0.0	53.6	26.8	26.8	26.8	340.1
DEC 28	-	-	-	0.0	0.0	70.8	35.4	35.4	35.4	375.5
DEC 29	-	-	-	0.0	0.0	90.7	45.4	45.4	45.4	420.9
DEC 30	-	-	-	0.0	0.0	86.4	43.2	43.2	43.2	464.1
DEC 31	-	-	-	0.0	0.0	85.5	42.8	42.8	42.8	506.8
Totals:	-	-	-	0.0	0.0	1013.5	506.8	506.8	506.8	506.8

- (i) FIVE DAY LAG PERIOD IS APPLIED BETWEEN WEST AND EAST TO DETERMINE THE CURRENT NATURAL FLOW AT EASTERN CROSSING.
(ii) ALL FIGURES ARE IN CUBIC DECANETRES.
* - NATURAL FLOW AT THE EASTERN CROSSING DURING NON-IRRIGATION SEASON IS THE RECORDED FLOW AT THE GAUGE
(11AA005) MILK RIVER AT MILK RIVER.

APPROVED BY:



FOR CANADA



FOR THE UNITED STATES

TABLE 9
HISTORICAL SUMMARY
MARCH TO OCTOBER NATURAL FLOW OF MILK RIVER
AT
EASTERN CROSSING OF INTERNATIONAL BOUNDARY
(Cubic Decametres)

Year	Computed Natural Flow	United States Share	Canadian Share	Year	Computed Natural Flow	United States Share	Canadian Share	Year	Computed Natural Flow	United States Share	Canadian Share
1912	141 000	93 500	47 100	1936	79 900	50 200	29 700	1961	46 700	32 800	14 100
1913	155 000	110 000	46 300	1937	112 000	78 900	32 700	1962	72 200	48 500	23 700
1914	85 100	59 500	25 700	1938	133 000	89 700	43 500	1963	34 300	23 700	10 600
1915	173 000	121 000	50 800	1939	50 100	33 600	16 500	1964	154 000	104 000	49 700
1916	280 000	187 000	92 000	1940	69 700	46 400	23 300	1965	284 000	181 000	103 000
1917	270 000	174 000	96 000	1941	31 200	21 500	9 730	1966	147 000	98 600	48 000
1918	79 700	55 600	24 100	1942	105 000	75 900	29 600	1967	310 000	194 000	116 000
1919	33 800	24 100	9 700	1943	143 000	98 600	44 900	1968	139 000	96 600	42 700
1920	212 000	136 000	77 000	1944	28 000	20 000	8 010	1969	236 000	147 000	88 900
1921	70 200	50 300	19 900	1945	53 800	36 100	17 600	1970	121 000	84 700	36 500
1922	108 000	76 500	31 100	1946	51 400	35 000	16 400	1971	128 000	91 300	36 600
1923	101 000	72 700	28 900	1947	204 000	128 000	75 000	1972	228 000	148 000	80 300
1924	89 200	63 300	25 900	1948	254 000	168 000	86 000	1973	44 500	29 600	14 900
1925	149 000	101 000	48 200	1949	69 900	49 700	20 200	1974	117 000	82 200	34 500
1926	30 200	21 200	9 020	1950	149 000	106 000	42 900	1975	324 000	206 000	118 000
1927	449 000	281 000	168 000	1951	343 000	226 000	116 000	1976	118 000	80 300	37 400
1928	273 000	178 000	95 300	1952	249 000	154 000	94 700	1977	37 100	25 800	11 400
1929	184 000	123 000	60 600	1953	317 000	200 000	117 000	1978	274 000	173 000	101 000
1930	131 000	87 900	43 000	1954	181 000	127 000	54 600	1979	248 000	153 000	95 600
1931	36 800	25 000	11 700	1955	197 000	133 000	63 500	1980	99 400	69 500	29 900
1932	94 400	64 800	29 600	1956	139 000	97 300	41 600	1981	113 000	79 200	34 200
1933	117 000	80 500	36 600	1957	130 000	88 400	40 800	1982	164 000	109 000	55 100
1934	117 000	79 600	37 100	1958	139 000	89 700	49 600	1983	46 600	32 600	13 900
1935	97 600	64 600	32 900	1959	159 000	105 000	54 500	1984	26 500	17 500	9 100
				1960	121 000	76 400	45 000	1985	65 973	46 101	19 871

The totals of the United States and Canadian shares may not agree with the computed natural flow as all figures have been rounded for this summary. Table is a direct conversion from English to metric units, totals in some cases may not concur.

Table 10

JAN 22 1986

NATURAL FLOW OF LODGE CREEK AT THE INTERNATIONAL BOUNDARY
1985

PERIOD	1	2	3	4	5	6	7	8	9
UPPER LODGE AREA	NICHELE RESERVOIR DEPLETION	GREASEWOOD RESERVOIR DEPLETION	HASSY RESERVOIR DEPLETION	UPPER LODGE RESERVOIRS	INTER-NATIONAL BOUNDARY	UPPER LODGE DEPLETION	CREEK DEPLETION	INTER-NATIONAL BOUNDARY	BARE CREEK DEPLETION
	OBSERVED	OBSERVED	OBSERVED	1+2+3	COMPUTED	4-5	OBSERVED	COMPUTED	7-8
FEB 25-MAR 6	0	0	0	0	0	0	-1	-1	0
MAR 7-16	28	22	42	92	75	17	34	34	0
MAR 17-27	173	70	147	390	99	291	302	94	208
MAR 28-APR 6	120	1	4	125	78	47	411	104	307
APR 7-16	304	13	25	342	98	244	579	119	460
APR 17-26	8	-5	3	6	6	0	47	47	0
APR 27-MAY 6	6	-1	1	6	6	0	-3	-3	0
MAY 7-16	16	-5	18	29	29	0	112	79	33
MAY 17-27	-1	5	-11	-7	-7	0	-85	-81	-4
MAY 28-JUN 6	2	4	4	10	10	0	-8	-8	0
JUN 7-16	-4	-1	-1	-6	-6	0	-11	-11	0
JUN 17-26	-5	-1	-32	-38	-38	0	-18	-18	0
JUN 27-JUL 6	3	-1	-40	-38	-38	0	-24	-24	0
JUL 7-16	2	-72	-47	-117	-84	-33	-111	-82	-29
JUL 17-27	-17	-24	-1	-42	-42	0	6	6	0
JUL 28-AUG 6	-10	0	-23	-33	-33	0	-194	-102	-92
AUG 7-16	-11	1	-26	-36	-36	0	-83	-76	-7
AUG 17-27	-6	1	-4	-9	-9	0	-48	-48	0
AUG 28-SEP 6	-1	0	2	1	1	0	-6	-6	0
SEP 7-16	-5	6	26	27	27	0	14	14	0
SEP 17-26	11	7	44	62	62	0	19	19	0
SEP 27-OCT 6	1	2	1	4	4	0	-12	-12	0
OCT 7-16	1	2	1	4	4	0	6	6	0
OCT 17-27	0	2	-1	1	1	0	-16	-16	0
TOTAL	615	26	132	773	207	566	910	34	876

ALL QUANTITIES IN CUBIC DECAMETRES

APPROVED FOR CANADA
FOR U.S.A.

J. Poliso
J. C. Woodland

Table 10

JAN 22 1986

NATURAL FLOW OF LODGE CREEK AT THE INTERNATIONAL BOUNDARY
1985

	10	11	12	13	14	15		16	17	18
PERIOD	CHANNEL	CHANNEL	CHANNEL	CHANNEL	CHANNEL	CHANNEL	PERIOD	CHANNEL	CHANNEL	CHANNEL
CRESSDAY & MITCHELL RESERVOIRS AREA	LOSS TO CRESSDAY	LOSS TO INTER-RESERVOIR DEPLETION	LOSS TO NET	LOSS TO CRESSDAY	LOSS TO INTER-RESERVOIR DEPLETION	LOSS TO MITCHELL	JAYDOT RESERVOIR AREA	LOSS TO JAYDOT	LOSS TO INTER-RESERVOIR DEPLETION	LOSS TO JAYDOT
	OBSERVED	COMPUTED	10-11	OBSERVED	COMPUTED	13-14		OBSERVED	COMPUTED	16-17
FEB 26-MAR 7	0	0	0	-3	-3	0	FEB 27-MAR 8	0	0	0
MAR 8-17	174	54	120	-21	-21	0	MAR 9-18	63	25	38
MAR 18-28	201	60	141	1	1	0	MAR 19-29	35	27	8
MAR 29-APR 7	84	51	33	158	56	102	MAR 30-APR 8	12	12	0
APR 8-17	46	46	0	764	92	672	APR 9-18	6	6	0
APR 18-27	-8	-8	0	-38	-38	0	APR 19-28	-6	-6	0
APR 28-MAY 7	0	0	0	126	57	69	APR 29-MAY 8	-2	-2	0
MAY 8-17	8	8	0	-153	-60	-93	MAY 9-18	-3	-3	0
MAY 18-28	-4	-4	0	191	68	123	MAY 19-29	0	0	0
MAY 29-JUN 7	5	5	0	-1	-1	0	MAY 30-JUN 8	2	2	0
JUN 8-17	-22	-22	0	-6	-6	0	JUN 9-18	-5	-5	0
JUN 18-27	11	11	0	-161	-67	-94	JUN 19-28	-3	-3	0
JUN 28-JUN 7	-24	-24	0	-141	-64	-77	JUN 29-JUL 8	-3	-3	0
JUL 8-17	-9	-9	0	-41	-41	0	JUL 9-18	-2	-2	0
JUL 18-28	-19	-19	0	-49	-49	0	JUL 19-29	-6	-6	0
JUL 29-AUG 7	-1	-1	0	-171	-69	-102	JUL 30-AUG 8	-2	-2	0
AUG 8-17	-6	-6	0	-9	-9	0	AUG 9-18	-3	-3	0
AUG 18-28	-9	-9	0	-10	-10	0	AUG 19-29	-1	-1	0
AUG 29-SEP 7	-2	-2	0	-5	-5	0	AUG 30-SEP 8	15	15	0
SEP 8-17	82	53	29	-2	-2	0	SEP 9-18	49	25	24
SEP 18-27	-7	-7	0	0	0	0	SEP 19-28	-1	-1	0
SEP 28-OCT 7	-1	-1	0	-1	-1	0	SEP 29-OCT 8	-2	-2	0
OCT 8-17	6	6	0	-5	-5	0	OCT 9-18	5	5	0
OCT 18-28	-8	-8	0	-11	-11	0	OCT 19-29	-2	-2	0
TOTAL	497	174	323	412	-188	600		146	76	70

ALL QUANTITIES IN CUBIC DECAMETRES

APPROVED FOR CANADA
FOR U.S.A.

J. A. Moulton

Table 10

JAN 22 1986

NATURAL FLOW OF LODGE CREEK AT THE INTERNATIONAL BOUNDARY
1985

	19	20	21	22	23	24	25	26
PERIOD	MIDDLE CREEK	MIDDLE CREEK	BEDFORD CREEK	FLOOD SPILLWAY	RETURN FLOW	GROSS DEPLETION	LOSS TO NATIONAL BOUNDARY	NET DEPLETION
RESERVOIR AREA	RESERVOIR INFLOW	RESERVOIR OUTLET	RESERVOIR OUTLET	RESERVOIR OUTLET	RESERVOIR OUTLET	RESERVOIR OUTLET	RESERVOIR OUTLET	RESERVOIR OUTLET
	OBSERVED	OBSERVED	OBSERVED	OBSERVED	OBSERVED	19-23	COMPUTED	24-25
FEB 26-MAR 7	0	-999999	0	0	0	0	0	0
MAR 8-17	9	-999999	0	0	0	9	9	0
MAR 18-28	475	-999999	0	0	0	475	71	404
MAR 29-APR 7	734	-999999	0	0	2	732	90	642
APR 8-17	2765	-999999	0	0	1	2764	212	2552
APR 18-27	339	-999999	0	0	389	-50	-49	-1
APR 28-MAY 7	811	-999999	0	0	907	-96	-54	-42
MAY 8-17	426	-999999	0	0	207	219	66	153
MAY 18-28	126	-999999	0	0	317	-191	-68	-123
MAY 29-JUN 7	31	-999999	0	0	446	-415	-108	-307
JUN 8-17	16	-999999	0	0	204	-188	-71	-117
JUN 18-27	16	-999999	0	0	15	1	1	0
JUN 28-JUL 7	15	-999999	0	0	0	15	15	0
JUL 8-17	15	-999999	0	0	0	15	15	0
JUL 18-28	10	-999999	0	0	0	10	10	0
JUL 29-AUG 7	8	-999999	0	0	0	8	8	0
AUG 8-17	7	-999999	0	0	0	7	7	0
AUG 18-28	6	-999999	0	0	0	6	6	0
AUG 29-SEP 7	4	-999999	0	0	0	4	4	0
SEP 8-17	8	-999999	0	0	0	8	8	0
SEP 18-27	8	-999999	0	0	0	8	8	0
SEP 28-OCT 7	4	-999999	0	0	0	4	4	0
OCT 8-17	3	-999999	0	0	0	3	3	0
OCT 18-28	4	-999999	0	0	0	4	4	0
TOTAL	5840	-9990	0	0	2488	3352	191	3161

NOTE: Station at Middle Creek Outlet (col. 20) has been discontinued, - 999999 denotes "not applicable"

ALL QUANTITIES IN CUBIC DECAMETRES

APPROVED FOR CANADA FOR U.S.A. *[Signature]* PAGE 3

Table 10

JAN 22 1986

NATURAL FLOW OF LODGE CREEK AT THE INTERNATIONAL BOUNDARY
1985

PERIOD	27	28	29	30	31	32	33	34	35
ALTAVAN RESERVOIR AREA	STORED + RELEASED -	EVAPORATION	DEPLETION	SPANGLER DITCH	SPANGLER SQUAW CL	BEDFORD	GROSS DEPLETION	NATIONAL BOUNDARY	NET DEPLETION
	OBSERVED	COMPUTED	27+28	OBSERVED	OBSERVED	OBSERVED	129+30-31-32	COMPUTED	33-34
FEB 27-MAR 8	0	0	0	0	0	0	0	0	0
MAR 9-18	0	0	0	0	0	0	0	0	0
MAR 19-29	1110	0	1110	0	0	0	1110	48	1052
MAR 30-APR 8	1481	2	1483	0	0	0	1483	68	1415
APR 9-18	1823	44	1867	0	0	0	1867	79	1788
APR 19-28	-975	25	-950	0	0	0	-950	-52	-898
APR 29-MAY 8	-222	44	-178	289	0	0	111	29	82
MAY 9-18	-521	38	-483	1183	0	0	700	58	642
MAY 19-29	-1168	26	-1142	245	0	0	-897	-70	-827
MAY 30-JUN 8	-265	27	-238	2	0	0	-236	-41	-195
JUN 9-18	-23	29	6	0	0	0	6	6	0
JUN 19-28	-46	32	-14	0	0	0	-14	-14	0
JUN 29-JUL 8	-111	37	-74	92	0	0	18	18	0
JUL 9-18	-1082	28	-1054	702	0	0	-352	-50	-302
JUL 19-29	18	2	20	0	0	0	20	20	0
JUL 30-AUG 8	2	1	3	0	0	0	3	3	0
AUG 9-18	1	0	1	0	0	0	1	1	0
AUG 19-29	1	0	1	0	0	0	1	1	0
AUG 30-SEP 8	0	0	0	0	0	0	0	0	0
SEP 9-18	-10	-2	-12	0	0	0	-12	-12	0
SEP 19-28	33	0	33	0	0	0	33	25	8
SEP 29-OCT 8	-46	0	-46	0	0	0	-46	-25	-21
OCT 9-18	0	0	0	0	0	0	0	0	0
OCT 19-29	0	0	0	0	0	0	0	0	0
TOTAL	0	333	333	2513	0	0	2846	92	2754

ALL QUANTITIES IN CUBIC DECAMETRES

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FOR U.S.A.

John A. Moulton

Table 10

JAN 22 1986

NATURAL FLOW OF LODGE CREEK AT THE INTERNATIONAL BOUNDARY
1985

PERIOD AT INTERNATIONAL BOUNDARY	NET DEPLETION IN CANADA	MINOR IRRIGATION DIVERSIONS	AT INTERNATIONAL BOUNDARY	NATURAL FLOW OF LODGE CREEK	U.S.A. SHARE	EXCESS FLOW TO U.S.A.	TOTAL EXCESS FLOWS TO DATE
36	37	38	39	40	41	42	
6+9+12+15 +18+26+35	ESTIMATED	OBSERVED	36+37+38	50% OF 39	38-40	SUM COL. 41	
MAR 1-10	0	0	0	0	0	0	0
MAR 11-20	175	72	0	247	124	-124	-124
MAR 21-31	2114	185	622	2921	1461	-839	-963
APR 1-10	2546	328	899	3773	1887	-988	-1951
APR 11-20	5716	288	1708	7712	3856	-2148	-4099
APR 21-30	-899	597	1482	1180	590	892	-3207
MAY 1-10	109	427	1708	2244	1122	586	-2621
MAY 11-20	735	42	1064	1841	921	143	-2478
MAY 21-31	-831	265	1259	693	347	912	-1566
JUN 1-10	-502	174	627	299	150	477	-1089
JUN 11-20	-117	109	91	83	42	49	-1040
JUN 21-30	-94	30	64	0	0	64	-976
JUL 1-10	-77	66	9	0	0	9	-967
JUL 11-20	-364	106	366	108	54	312	-655
JUL 21-31	0	21	54	75	38	16	-639
AUG 1-10	-194	17	0	0	0	0	-639
AUG 11-20	-7	36	0	29	15	-15	-654
AUG 21-31	0	0	0	0	0	0	-654
SEP 1-10	0	0	0	0	0	0	-654
SEP 11-20	53	0	0	53	27	-27	-681
SEP 21-30	8	0	0	8	4	-4	-685
OCT 1-10	-21	0	0	0	0	0	-685
OCT 11-20	0	0	6	6	3	3	-682
OCT 21-31	0	0	2	2	1	1	-681
TOTAL	8350	2763	9961	21274	10642	-681	-681

ALL QUANTITIES IN CUBIC DECANETRES

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FOR U.S.A.

Alison
Joe R. Monland

HISTORICAL SUMMARY OF MARCH TO OCTOBER DIVISIONS OF NATURAL RUNOFF
OF LODGE CREEK AT INTERNATIONAL BOUNDARY
(CUBIC DECAMETRES)

YEAR	COMPUTED NATURAL RUNOFF	CANADIAN AND U.S.A. SHARES	RECORDED RUNOFF	EXCESS OR DEFICIT (-) DELIVERY TO THE U.S.A.
1950	17900	8950	16600	7650
1951	62960	31480	50200	18720
1952	161300	80650	147160	66510
1953	38240	19120	27240	8120
1954	13050	6525	7620	1095
1955	97080	48540	75390	26850
1956	21180	10590	15730	5140
1957	32760	16380	24500	8120
1958	48180	24090	42090	18000
1959	21220	10610	14300	3690
1960	39600	19800	29510	9710
1961	2210	1105	1020	-85
1962	25630	12815	18850	6035
1963	14260	7130	7500	370
1964	9790	4895	5130	235
1965	95410	47705	68060	20355
1966	44230	22115	30180	8065
1967	90380	45190	73260	28070
1968	4910	2455	2650	195
1969	36920	18460	20870	2410
1970	29060	14530	16130	1600
1971	26300	13150	13080	-70
1972	27380	13690	13580	-110
1973	2080	1040	1070	30
1974	26980	13490	14510	1020
1975	48000	24000	34540	10540
1976	29480	14740	22330	7590
1977	1230	615	888	273
1978	37240	18620	22350	3730
1979	47020	23510	30390	6880
1980	2140	1070	712	-358
1981	1260	630	407	-223
1982	38800	19400	22420	3020
1983	4660	2330	2480	150
1984	937	469	600	132
1985	21270	10635	9960	-675
1950-84 TOTAL	1199777	599889	873347	
1950-84 AVERAGE	34279	17140	24953	

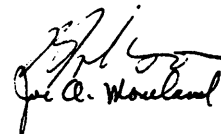
Table 12

JAN 20 1986

NATURAL FLOW OF BATTLE CREEK AT THE INTERNATIONAL BOUNDARY
1985

PERIOD	REESOR LAKE STORAGE	PERIOD	ADAMS LAKE DEPLETION	TOTAL DEPLETION UPPER BATTLE CREEK	CHANNEL LOSS TO INTERNATIONAL BOUNDARY	NET DEPLETION UPPER BATTLE CREEK
1	2	3	4	5	6	7
1	1	1	1	1+2	1	3-4
OBSERVED	OBSERVED				COMPUTED	
FEB 23-MAR 8	17	FEB 24-MAR 9	0	17	17	0
MAR 9-19	7	MAR 10-20	0	7	7	0
MAR 20-29	18	MAR 21-30	52	70	70	0
MAR 30-APR 8	26	MAR 31-APR 9	148	174	147	27
APR 9-18	28	APR 10-19	289	317	147	170
APR 19-28	64	APR 20-29	312	376	147	229
APR 29-MAY 8	-5	APR 30-MAY 9	129	124	124	0
MAY 9-19	-2	MAY 10-20	30	28	28	0
MAY 20-29	8	MAY 21-30	12	20	20	0
MAY 30-JUN 8	6	MAY 31-JUN 9	-3	3	3	0
JUN 9-18	-6	JUN 10-19	0	-6	-6	0
JUN 19-28	39	JUN 20-29	4	43	43	0
JUN 29-JUL 8	38	JUN 30-JUL 9	-38	0	0	0
JUL 9-19	22	JUL 10-20	-62	-40	-40	0
JUL 20-29	19	JUL 21-30	-59	-40	-40	0
JUL 30-AUG 8	-8	JUL 31-AUG 9	-25	-33	-33	0
AUG 9-19	-59	AUG 10-20	-38	-97	-97	0
AUG 20-29	62	AUG 21-30	-16	46	46	0
AUG 30-SEP 8	29	AUG 31-SEP 9	4	33	33	0
SEP 9-18	26	SEP 10-19	-8	18	18	0
SEP 19-28	37	SEP 20-29	13	50	50	0
SEP 29-OCT 8	0	SEP 30-OCT 9	39	39	39	0
OCT 9-19	12	OCT 10-20	42	54	54	0
OCT 20-25	-11	OCT 21-26	27	16	16	0
TOTAL	367		852	1219	793	426

ALL QUANTITIES IN CUBIC DECAMETRES

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Table 12

JAN 20 1986

NATURAL FLOW OF BATTLE CREEK AT THE INTERNATIONAL BOUNDARY
1985

PERIOD	GAFF DITCH AREA	GAFF DITCH	RETURN FLOW	GAFF DITCH	LOSS TO INTERNATIONAL BOUNDARY	DEPLETION GAFF DITCH	NET DEPLETION
MEASURED	COMPUTED	6-7	COMPUTED	8-9			
FEB 25-MAR 10	0	0	0	0	0	0	0
MAR 11-21	0	0	0	0	0	0	0
MAR 22-31	0	0	0	0	0	0	0
APR 1-10	62	22	40	40	0		
APR 11-20	494	173	321	98	223		
APR 21-30	410	144	266	98	168		
MAY 1-10	342	120	222	98	124		
MAY 11-21	10	4	6	6	0		
MAY 22-31	1	0	1	1	0		
JUN 1-10	1	0	1	1	0		
JUN 11-20	0	0	0	0	0		
JUN 21-30	8	3	5	5	0		
JUL 1-10	2	1	1	1	0		
JUL 11-21	0	0	0	0	0		
JUL 22-31	0	0	0	0	0		
AUG 1-10	0	0	0	0	0		
AUG 11-21	0	0	0	0	0		
AUG 22-31	0	0	0	0	0		
SEP 1-10	0	0	0	0	0		
SEP 11-20	0	0	0	0	0		
SEP 21-30	0	0	0	0	0		
OCT 1-10	0	0	0	0	0		
OCT 11-21	0	0	0	0	0		
OCT 22-27	0	0	0	0	0		
TOTAL	1330	467	863	348	515		

ALL QUANTITIES IN CUBIC DECAMETRES

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13/01/86
Jac. C. Monclaud

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Table 12

JAN 20 1986

NATURAL FLOW OF BATTLE CREEK AT THE INTERNATIONAL BOUNDARY
1985

PERIOD	WEST CYPRESS LAKE AREA	WEST CANAL	INFLOW CANAL	RELEASE DRAIN	FROM LAKE	TO LAKE	VIDORA DITCH	RETURN FLOW	CYPRESS LAKE	NATIONAL BOUNDARY	CYPRESS LAKE
	MEASURED	MEASURED	MEASURED	12+13	11-14	MEASURED	COMPUTED	15+16-17	COMPUTED	18-19	
FEB 26-MAR 11	0	0	0	0	0	0	0	0	0	0	0
MAR 12-22	24	1	13	14	10	0	0	10	10	0	0
MAR 23-APR 1	160	2	16	18	142	0	0	142	73	69	
APR 2-11	339	127	2	129	210	0	0	210	73	137	
APR 12-21	4629	0	1	1	4628	0	0	4628	73	4555	
APR 22-MAY 1	31	0	0	0	31	0	0	31	31	0	
MAY 2-11	0	0	0	0	0	0	0	0	0	0	
MAY 12-22	0	759	0	759	-759	790	53	-22	-22	0	
MAY 23-JUN 1	0	956	0	956	-956	916	179	-219	-73	-146	
JUN 2-11	0	1140	0	1140	-1140	492	134	-782	-73	-709	
JUN 12-21	0	1495	0	1495	-1495	571	37	-961	-73	-888	
JUN 22-JUL 1	0	1282	0	1282	-1282	494	145	-933	-73	-860	
JUL 2-11	0	716	0	716	-716	0	7	-723	-73	-650	
JUL 12-22	0	3	0	3	-3	0	0	-3	-3	0	
JUL 23-AUG 1	0	3	0	3	-3	0	0	-3	-3	0	
AUG 2-11	0	3	0	3	-3	0	0	-3	-3	0	
AUG 12-22	0	0	0	0	0	0	0	0	0	0	
AUG 23-SEP 1	0	0	0	0	0	0	0	0	0	0	
SEP 2-11	0	0	0	0	0	0	0	0	0	0	
SEP 12-21	0	0	0	0	0	0	0	0	0	0	
SEP 22-OCT 1	220	0	1	1	219	0	0	219	73	146	
OCT 2-11	90	0	2	2	88	0	0	88	73	15	
OCT 12-22	97	0	2	2	95	0	0	95	81	14	
OCT 23-28	94	0	1	1	93	0	0	93	44	49	
TOTAL	5684	6487	38	6525	-841	3263	555	1867	135	1732	

ALL QUANTITIES IN CUBIC DECAMETRES

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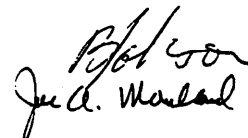
Table 12

JAN 20 1986

NATURAL FLOW OF BATTLE CREEK AT THE INTERNATIONAL BOUNDARY
1985

PERIOD CONSUL AREA	RICHARDSON DITCH	MCKINNON DITCH	RETURN FLOW	GROSS DEPLETION AT CONSUL	CHANNEL LOSS TO INTERNATIONAL BOUNDARY	NET DEPLETION AT CONSUL
MEASURED	MEASURED	COMPUTED	21+22-23	COMPUTED	24-25	26
FEB 27-MAR 12	0	0	0	0	0	0
MAR 13-23	0	0	0	0	0	0
MAR 24-APR 2	0	0	0	0	0	0
APR 3-12	0	0	0	0	0	0
APR 13-22	0	0	0	0	0	0
APR 23-MAY 2	0	0	0	0	0	0
MAY 3-12	0	0	0	0	0	0
MAY 13-23	451	68	63	456	54	402
MAY 24-JUN 2	583	606	175	1014	49	965
JUN 3-12	670	647	222	1095	49	1046
JUN 13-22	77	484	148	413	49	364
JUN 23-JUL 2	0	0	1	-1	-1	0
JUL 3-12	0	0	0	0	0	0
JUL 13-23	0	0	0	0	0	0
JUL 24-AUG 2	0	0	0	0	0	0
AUG 3-12	0	0	0	0	0	0
AUG 13-23	0	0	0	0	0	0
AUG 24-SEP 2	0	0	0	0	0	0
SEP 3-12	0	0	0	0	0	0
SEP 13-22	0	0	0	0	0	0
SEP 23-OCT 2	0	0	0	0	0	0
OCT 3-12	0	0	0	0	0	0
OCT 13-23	0	0	0	0	0	0
OCT 24-29	0	0	0	0	0	0
TOTAL	1781	1805	609	2977	200	2777

ALL QUANTITIES IN CUBIC DECAMETRES

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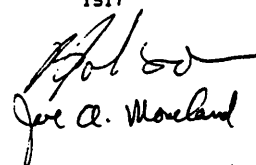
Table 12

JAN 20 1986

NATURAL FLOW OF BATTLE CREEK AT THE INTERNATIONAL BOUNDARY
1985

PERIOD	WASHLYN AREA	WASHLYN CANAL	RETURN FLOW	GROSS DEPLETION AT WASHLYN	CHANNEL LOSS TO INTERNATIONAL BOUNDARY	NET DEPLETION AT WASHLYN
	MEASURED	COMPUTED	27-28	COMPUTED	29-30	31
FEB 28-MAR 13	0	0	0	0	0	0
MAR 14-24	0	0	0	0	0	0
MAR 25-APR 3	28	0	28	24	4	
APR 4-13	602	20	582	24	558	
APR 14-23	745	29	716	24	692	
APR 24-MAY 3	113	11	102	24	78	
MAY 4-13	0	0	0	0	0	
MAY 14-24	634	22	612	27	585	
MAY 25-JUN 3	3	4	-1	-1	0	
JUN 4-13	0	0	0	0	0	
JUN 14-23	0	0	0	0	0	
JUN 24-JUL 3	0	0	0	0	0	
JUL 4-13	0	0	0	0	0	
JUL 14-24	0	0	0	0	0	
JUL 25-AUG 3	0	0	0	0	0	
AUG 4-13	0	0	0	0	0	
AUG 14-24	0	0	0	0	0	
AUG 25-SEP 3	0	0	0	0	0	
SEP 4-13	0	0	0	0	0	
SEP 14-23	0	0	0	0	0	
SEP 24-OCT 3	0	0	0	0	0	
OCT 4-13	0	0	0	0	0	
OCT 14-24	0	0	0	0	0	
OCT 25-30	0	0	0	0	0	
TOTAL	2125	86	2039	122	1917	

ALL QUANTITIES IN CUBIC DECAMETRES

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Table 12

JAN 20 1986

NATURAL FLOW OF BATTLE CREEK AT THE INTERNATIONAL BOUNDARY
1985

PERIOD AT INTERNATIONAL BOUNDARY	32 NET DEPLETION IN CANADA	33 BATTLE CREEK AT INTERNATIONAL BOUNDARY	34 APPARENT NATURAL FLOW OF BATTLE CREEK	35 ADJUSTMENT FOR MINOR DIVERSIONS & DOM. USE	36 NATURAL FLOW OF BATTLE CREEK	37 U.S.A. SHARE FLOW	38 EXCESS FLOW TO THE U.S.A.	39 TOTAL EXCESS FLOWS TO DATE
	15+10+20+26+31	MEASURED	32+33	16.0% OF 34	34+35	50% OF 36	33-37	SUM COL.38
MAR 1-14	0	0	0	0	0	0	0	0
MAR 15-25	0	251	251	40	291	146	105	0
MAR 26-APR 4	73	533	606	97	703	352	181	0
APR 5-14	722	344	1066	171	1237	619	-275	-275
APR 15-24	5640	745	6385	1025	7410	3705	-2960	-3235
APR 25-MAY 4	475	2222	2697	433	3130	1565	657	-2578
MAY 5-14	124	1821	1945	312	2257	1129	692	-1886
MAY 15-25	987	555	1542	248	1790	895	-340	-2225
MAY 26-JUN 4	819	322	1141	183	1324	662	-340	-2566
JUN 5-14	337	212	549	88	637	319	-107	-2673
JUN 15-24	-524	560	36	6	42	21	539	-2134
JUN 25-JUL 4	-860	897	37	6	43	22	875	-1259
JUL 5-14	-650	833	0	0	0	0	633	-626
JUL 15-25	0	61	61	10	71	36	25	-601
JUL 26-AUG 4	0	1	1	0	1	1	0	-601
AUG 5-14	0	0	0	0	0	0	0	-601
AUG 15-25	0	0	0	0	0	0	0	-601
AUG 26-SEP 4	0	0	0	0	0	0	0	-601
SEP 5-14	0	0	0	0	0	0	0	-601
SEP 15-24	0	196	196	31	227	114	82	-519
SEP 25-OCT 4	146	255	401	64	465	233	22	-497
OCT 5-14	15	264	279	45	324	162	102	-395
OCT 15-25	14	468	482	77	559	280	188	-207
OCT 26-31	49	192	241	39	280	140	52	-155
TOTAL	7367	10532	17916	2875	20791	10401	131	-155

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Jac. L. Moulard

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ALL QUANTITIES IN CUBIC DECAMETRES

HISTORICAL SUMMARY OF MARCH TO OCTOBER DIVISIONS OF NATURAL RUNOFF
OF BATTLE CREEK AT INTERNATIONAL BOUNDARY
(CUBIC DECAMETRES)

YEAR	COMPUTED NATURAL RUNOFF	CANADIAN AND U.S.A. SHARES	RECORDED RUNOFF	EXCESS OR DEFICIT (-) DELIVERY TO THE U.S.A.
1940	45040	22520	32100	9580
1941	31280	15640	20860	5220
1942	27510	13755	13490	-265
1943	40710	20355	27960	7605
1944	13000	6500	9460	2960
1945	11000	5500	9970	4470
1946	12820	6410	8590	2180
1947	13890	6945	8540	1595
1948	23100	11550	9670	-1880
1949	1650	825	2160	1335
1950	23790	11895	12730	835
1951	35910	17955	20440	2485
1952	138450	69225	127790	58565
1953	46580	23290	34760	11470
1954	40930	20465	31520	11055
1955	110680	55340	117630	62290
1956	31590	15795	24890	9095
1957	33910	16955	22990	6035
1958	34290	17145	25040	7895
1959	22350	11175	14680	3505
1960	34530	17265	19350	2085
1961	6970	3485	5500	2015
1962	9090	4545	6010	1465
1963	9920	4960	5800	840
1964	13100	6550	6670	120
1965	67360	33680	33950	270
1966	45860	22930	24860	1930
1967	80460	40230	67670	27440
1968	20090	10045	12820	2775
1969	35450	17725	21610	3885
1970	38280	19140	22570	3430
1971	23780	11890	15420	3530
1972	27450	13725	17210	3485
1973	11800	5900	6170	270
1974	23720	11860	15230	3370
1975	54450	27225	32440	5215
1976	34510	17255	21200	3945
1977	5850	2925	3330	405
1978	28520	14260	16690	2430
1979	47520	23760	27640	3880
1980	9960	4980	5860	880
1981	8900	4450	5610	1160
1982	36120	18060	21940	3880
1983	17720	8860	9660	800
1984	5490	2745	2820	75
1985	20790	10395	10530	135
1940-84 TOTAL	1435380	717690	1003300	
1940-84 AVERAGE	31897	15949	22296	

Table 14

JAN 20 1986

NATURAL FLOW OF FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY
1985

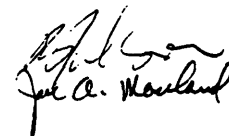
	1	2	3	4	5	6	7
		CYPRESS	NET	CYPRESS	GROSS	CHANNEL	NET
PERIOD	BELANGER	LAKE EAST	FROM	LAKE	DEPLETION	LOSS TO	DEPLETION
CYPRESS LAKE	CREEK	OUTFLOW	FRENCHMAN	NATURAL	CYPRESS	NATURAL	CYPRESS
AREA	DIVERSION	CANAL	RIVER	OVERFLOW	LAKE	BOUNDARY	LAKE
	MEASURED	MEASURED	1-2	COMPUTED	3+4	COMPUTED	5-6
FEB 20-MAR 1	1	3	-2	0	-2	-2	0
MAR 2-11	0	3	-3	0	-3	-3	0
MAR 12-22	101	41	60	0	60	60	0
MAR 23-APR 1	196	59	137	0	137	137	0
APR 2-11	1442	399	1043	0	1043	308	735
APR 12-21	1811	189	1622	0	1622	412	1210
APR 22-MAY 1	119	234	-115	0	-115	-115	0
MAY 2-11	12	137	-125	0	-125	-125	0
MAY 12-22	503	26	477	0	477	256	221
MAY 23-JUN 1	67	12	55	0	55	55	0
JUN 2-11	0	4	-4	0	-4	-4	0
JUN 12-21	0	14	-14	0	-14	-14	0
JUN 22-JUL 1	0	156	-156	0	-156	-151	-5
JUL 2-11	0	1	-1	0	-1	-1	0
JUL 12-22	0	0	0	0	0	0	0
JUL 23-AUG 1	0	0	0	0	0	0	0
AUG 2-11	0	0	0	0	0	0	0
AUG 12-22	0	0	0	0	0	0	0
AUG 23-SEP 1	0	0	0	0	0	0	0
SEP 2-11	0	0	0	0	0	0	0
SEP 12-21	0	15	-15	0	-15	-15	0
SEP 22-OCT 1	0	22	-22	0	-22	-22	0
OCT 2-11	0	30	-30	0	-30	-30	0
OCT 12-22	0	43	-43	0	-43	-43	0
TOTAL	4252	1388	2864	0	2864	703	2161

ALL QUANTITIES IN CUBIC DECAMETRES

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Table 14

JAN 20 1986

NATURAL FLOW OF FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY
1985

PERIOD EASTEND AREA	8 STORED + RELEASED -	9 EVAP- ORATION	10 DEPLETION	11 EASTEND CANAL	12 RETURN FLOW	13 DEPLETION AT EASTEND	14 LOSS TO INTER- NATIONAL BOUNDARY	15 NET DEPLETION AT EASTEND
	OBSERVED	COMPUTED	8+9	MEASURED	COMPUTED	10+11-12	COMPUTED	13-14
FEB 22-MAR 3	21	0	21	0	0	21	21	0
MAR 4-13	-2	0	-2	0	0	-2	-2	0
MAR 14-24	52	0	52	0	0	52	52	0
MAR 25-APR 3	470	0	470	0	0	470	157	313
APR 4-13	1150	15	1165	0	0	1165	279	886
APR 14-23	195	58	253	0	0	253	142	111
APR 24-MAY 3	414	49	463	0	0	463	174	289
MAY 4-13	183	70	253	74	19	308	169	139
MAY 14-24	-894	84	-810	2048	512	726	283	443
MAY 25-JUN 3	-1113	1	-1112	1837	459	266	159	107
JUN 4-13	131	37	168	117	29	256	176	80
JUN 14-23	99	47	146	0	0	146	132	14
JUN 24-JUL 3	81	58	139	0	0	139	129	10
JUL 4-13	-150	64	-86	0	0	-86	-86	0
JUL 14-24	-23	48	25	0	0	25	25	0
JUL 25-AUG 3	-2	37	35	0	0	35	35	0
AUG 4-13	77	32	109	0	0	109	109	0
AUG 14-24	13	26	39	0	0	39	39	0
AUG 25-SEP 3	-137	34	-103	0	0	-103	-103	0
SEP 4-13	40	3	43	0	0	43	43	0
SEP 14-23	-135	6	-129	0	0	-129	-124	-5
SEP 24-OCT 3	-94	7	-87	0	0	-87	-87	0
OCT 4-13	-74	3	-71	0	0	-71	-71	0
OCT 14-24	-182	5	-177	0	0	-177	-141	-36
TOTAL	120	684	804	4076	1019	3861	1510	2351

ALL QUANTITIES IN CUBIC DECAMETRES

APPROVED FOR CANADA
FOR U.S.A.

J. L. Moulton
J. L. Moulton

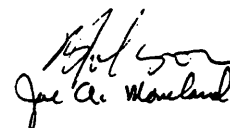
Table 14

JAN 20 1986

NATURAL FLOW OF FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY
1985

PERIOD VAL MARIE AREA	HUFF LAKE			NEVTON LAKE			TOTAL
	STORED + RELEASED -	EVAP- ORATION	DEPLETION	STORED + RELEASED -	EVAP- ORATION	DEPLETION	CHANGE IN RESERVOIR CONTENTS
	OBSERVED	COMPUTED	16+17	OBSERVED	COMPUTED	19+20	18+21
FEB 26-MAR 7	0	0	0	0	0	0	0
MAR 8-17	106	0	106	0	0	0	106
MAR 18-28	533	0	533	138	0	138	671
MAR 29-APR 7	2120	0	2120	2895	0	2895	5015
APR 8-17	1265	67	1332	11021	116	11137	12469
APR 18-27	478	66	544	-2858	147	-2711	-2167
APR 28-MAY 7	-557	135	-422	-1729	302	-1427	-1849
MAY 8-17	-520	83	-437	-2504	158	-2346	-2783
MAY 18-28	-1705	77	-1628	-3073	155	-2918	-4546
MAY 29-JUN 7	-496	27	-469	-1512	61	-1451	-1920
JUN 8-17	-151	48	-113	-583	94	-489	-602
JUN 18-27	-374	53	-321	-376	104	-272	-593
JUN 28-JUL 7	-402	41	-361	-148	118	-30	-391
JUL 8-17	-243	21	-222	-148	110	-38	-260
JUL 18-28	-37	6	-31	-353	77	-276	-307
JUL 29-AUG 7	-7	1	-6	-489	45	-444	-450
AUG 8-17	0	0	0	-10	15	5	5
AUG 18-28	0	0	0	-25	26	1	1
AUG 29-SEP 7	0	0	0	-6	13	7	7
SEP 8-17	47	0	47	-17	12	-5	42
SEP 18-27	185	1	186	-33	2	-31	155
SEP 28-OCT 7	85	4	89	14	4	18	107
OCT 8-17	158	1	159	147	1	148	307
OCT 18-28	185	13	198	197	21	218	416
TOTAL	660	644	1304	548	1581	2129	3433

ALL QUANTITIES IN CUBIC DECAMETRES

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Table 14

JAN 20 1986

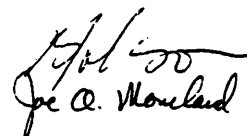
NATURAL FLOW OF FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY
1985

PERIOD VAL MARIE AREA	23 GRAVITY CANAL	24 PUMPING CANAL	25 MAIN CANAL	26 TOTAL CANAL DIVERSION	27 RETURN FLOW	28 GROSS DEPLETION VAL MARIE	29 CHANNEL LOSS TO BOUNDARY	30 NET DEPLETION VAL MARIE
	MEASURED	MEASURED	MEASURED	23 TO 25	COMPUTED	22+26-27	COMPUTED	28-29
FEB 26-MAR 7	0	0	0	0	0	0	0	0
MAR 8-17	0	0	0	0	0	106	52	54
MAR 18-28	0	0	0	0	0	671	79	592
MAR 29-APR 7	0	0	0	0	0	5015	347	4668
APR 8-17	0	0	0	0	0	12469	794	11675
APR 18-27	0	0	0	0	0	-2167	-176	-1991
APR 28-MAY 7	0	0	0	0	0	-1849	-229	-1620
MAY 8-17	332	223	728	1283	321	-1821	-226	-1595
MAY 18-28	1229	676	2469	4374	1094	-1266	-175	-1091
MAY 29-JUN 7	650	589	1560	2799	700	179	70	109
JUN 8-17	13	252	211	476	119	-245	-81	-164
JUN 18-27	201	83	199	483	121	-231	-78	-153
JUN 28-JUL 7	202	12	335	549	137	21	21	0
JUL 8-17	0	0	308	308	77	-29	-29	0
JUL 18-28	0	0	143	143	36	-200	-78	-122
JUL 29-AUG 7	0	0	0	0	0	-450	-113	-337
AUG 8-17	0	0	0	0	0	5	5	0
AUG 18-28	0	0	0	0	0	1	1	0
AUG 29-SEP 7	0	0	0	0	0	7	7	0
SEP 8-17	0	0	0	0	0	42	42	0
SEP 18-27	0	0	0	0	0	155	60	95
SEP 28-OCT 7	0	0	0	0	0	107	53	54
OCT 8-17	2	0	0	2	1	308	65	243
OCT 18-28	10	13	0	23	6	433	77	356
TOTAL	2639	1848	5953	10440	2612	11261	488	10773

ALL QUANTITIES IN CUBIC DECAMETRES

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Table 14

JAN 20 1986

NATURAL FLOW OF FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY
1985

PERIOD AT INTERNATIONAL BOUNDARY	31 NET DEPLETION IN CANADA	32 FRENCHMAN RIVER AT INTER-NATIONAL BOUNDARY	33 APPARENT NATURAL FLOW OF FRENCHMAN RIVER	34 ADJUSTMENT FOR MINOR DIVERSIONS AND DORES. USE	35 NATURAL FLOW OF FRENCHMAN RIVER	36 U.S.A. SHARE NATURAL FLOW	37 EXCESS FLOW TO THE U.S.A.	38 TOTAL EXCESS FLOWS TO DATE
	7+15+30	MEASURED	31+32	11.9% OF 33	33+34	50% OF 35	32-36	SUM OF 37
MAR 1-10	0	0	0	0	0	0	0	0
MAR 11-20	54	16	70	8	78	39	-23	-23
MAR 21-31	592	203	795	95	890	445	-242	-265
APR 1-10	4981	1798	6779	809	7588	3794	-1996	-2261
APR 11-20	13296	3862	17158	2049	19207	9604	-5742	-8003
APR 21-30	-670	5146	4476	534	5010	2505	2641	-5362
MAY 1-10	-1331	4229	2898	346	3244	1622	2607	-2755
MAY 11-20	-1456	2729	1273	152	1425	713	2016	-739
MAY 21-31	-427	1943	1516	181	1697	849	1094	355
JUN 1-10	216	1249	1465	175	1640	820	429	0
JUN 11-20	-84	634	550	66	616	308	326	0
JUN 21-30	-139	101	0	0	0	0	101	0
JUL 1-10	5	41	46	5	51	26	15	0
JUL 11-20	0	0	0	0	0	0	0	0
JUL 21-31	-122	0	0	0	0	0	0	0
AUG 1-10	-337	0	0	0	0	0	0	0
AUG 11-20	0	17	17	2	19	10	7	0
AUG 21-31	0	8	8	1	9	5	3	0
SEP 1-10	0	38	38	5	43	22	16	0
SEP 11-20	0	87	87	10	97	49	38	0
SEP 21-30	90	54	144	17	161	81	-27	-27
OCT 1-10	54	4	58	7	65	33	-29	-56
OCT 11-20	243	8	251	30	281	141	-133	-189
OCT 21-31	320	15	335	40	375	188	-173	-362
TOTAL	15285	22182	37964	4532	42496	21254	928	-362

ALL QUANTITIES IN CUBIC DECANETRES

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John A. Macdonald

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HISTORICAL SUMMARY OF MARCH TO OCTOBER DIVISIONS OF NATURAL RUNOFF
OF FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY
(CUBIC DECAMETRES)

YEAR	COMPUTED NATURAL RUNOFF	CANADIAN AND U.S.A. SHARES	RECORDED RUNOFF	EXCESS OR DEFICIT (-) DELIVERY TO THE U.S.A.
1940	101430	50715	84110	33395
1941	71110	35555	57560	22005
1942	72180	36090	52210	16120
1943	164710	82355	147030	64675
1944	69630	34815	50560	15745
1945	42630	21315	28440	7125
1946	39790	19895	26470	6575
1947	65090	32545	43180	10635
1948	48960	24480	31000	6520
1949	17690	8845	8010	-835
1950	93280	46640	73590	26950
1951	137490	68745	110880	42135
1952	445240	222620	433530	210910
1953	92350	46175	71990	25815
1954	109720	54860	92490	37630
1955	230280	115140	210300	95160
1956	59650	29825	41950	12125
1957	48040	24020	32710	8690
1958	79390	39695	64280	24585
1959	64030	32015	41220	9205
1960	93020	46510	75440	28930
1961	23070	11535	11480	-55
1962	78090	39045	48240	9195
1963	57730	28865	41790	12925
1964	25060	12530	13300	770
1965	132160	66080	95070	28990
1966	91190	45595	66470	20875
1967	130890	65445	108240	42795
1968	49730	24865	27080	2215
1969	97930	48965	71520	22555
1970	133370	66685	102470	35785
1971	57140	28570	39360	10790
1972	45910	22955	24990	2035
1973	27470	13735	14720	985
1974	104110	52055	75610	23555
1975	91990	45995	60710	14715
1976	90690	45345	73990	28645
1977	12730	6365	8260	1895
1978	67920	33960	41310	7350
1979	108470	54235	77360	23125
1980	33440	16720	17780	1060
1981	18140	9070	8300	-770
1982	114740	57370	82530	25160
1983	44230	22115	22990	875
1984	11920	5960	5640	-320
1985	42500	21250	22180	930
1940-84 TOTAL	3793830	1896915	2916160	
1940-84 AVERAGE	84307	42154	64804	

TABLE 16

MONTH-END CONTENTS OF MAJOR RESERVOIRS IN LODGE, BATTLE, AND FRENCHMAN BASINS

QUANTITIES IN CUBIC DECAMETRES

1985

	MIDDLE CREEK	ALTAWAN	CYPRESS LAKE	EASTEND	HUFF LAKE	NEWTON LAKE
FEBRUARY	0	0	29 300	84	0	0
MARCH	146	1 100	31 300	411	824	399
APRIL	1 870	3 810	41 000	2 320	4 270	11 500
MAY	968	1 600	38 400	810	1 480	3 520
JUNE	155	1 190	32 800	884	607	1 300
JULY	0	19	27 900	665	3	556
AUGUST	0	23	26 300	687	0	235
SEPTEMBER	0	27	26 500	497	247	149
OCTOBER	0	0	26 600	176	661	572
FULL SUPPLY LEVEL	15 610	6 710	128 100	2 090	4 470	12 270
DEAD STORAGE	0	0	27 120	0	13	0