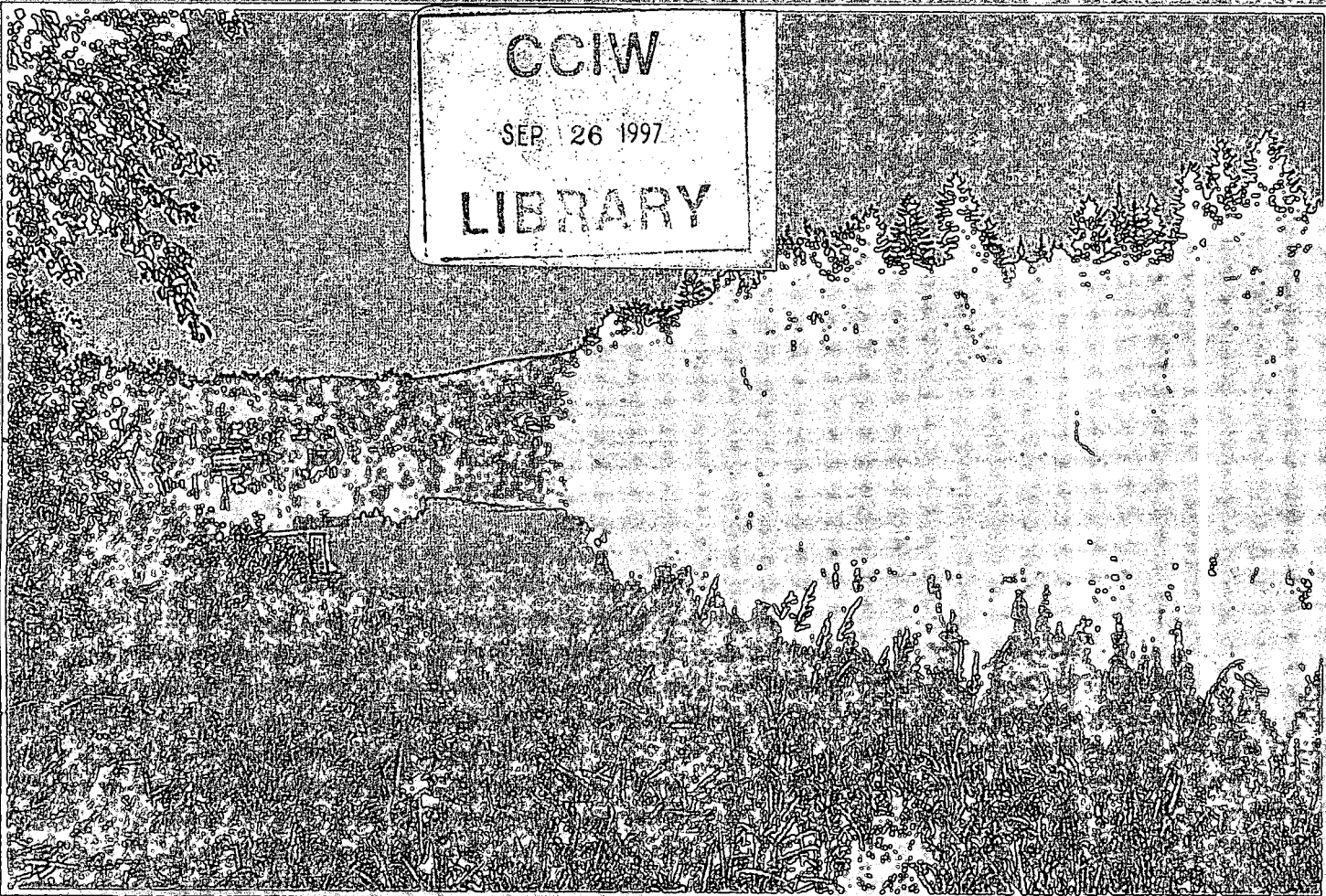


W. RANCH

Canada

SURFACE RUNOFF
FOR
SHUBENACADIE HEADWATERS
JUNE 1983 TO MARCH 1984

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INLAND WATERS DIRECTORATE
ATLANTIC REGION
WATER RESOURCES BRANCH
DARTMOUTH, NOVA SCOTIA

SURFACE RUNOFF
FOR
SHUBENACADIE HEADWATERS
JUNE 1983 TO MARCH 1984

IWD-AR-WRB-84-57

Water Resources Branch
Inland Waters Directorate
Atlantic Region
Dartmouth, Nova Scotia
April 5, 1984

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INTRODUCTION

The Shubenacadie Basin Study Group requested discharge measurements and streamflow data compiled on: Shubenacadie River at Lake Thomas, Powder Mill Lake Brook near Waverley, Shubenacadie River at outlet of Lake William, and Muddy Pond Brook at Waverley.

On February 11, 1983, metric staff gauges were installed at the above mentioned sites.

The stage record has been recorded from June 8, 1983 to March 16, 1984. Thirty one (31) discharge measurements were taken on the four (4) stations. The stage discharge relationship has been adequately defined on all of the stations with the exception of Muddy Pond Brook. At this site, beaver action and large quantities of gaspereaux and suckers played havoc with stream gauging.

The Provincial Department of Lands and Forests have been very co-operative in handling the beaver problem.

Water Survey of Canada personnel started their stream metering program in March and continued until November

OPERATIONAL

Staff gauge readings were obtained by personnel working for the NEED Program under J.E. Peters Management Limited. These gauges were usually read five (5) days a week throughout the study period June 1983 to February 1984. The information was recorded in gauge readers' books supplied by Water Survey of Canada, and later the readings were transferred to computer coding sheets. The finished copy was processed by computer and shows a daily mean discharge for each day of record.

The low and medium stage discharge measurements were taken by wading with a dry hand wading rod. All of the high water measurements, with the exception of those at Muddy Pond Brook were taken off the bridge using an "A" Crane with a type "B" reel. A sounding and a velocity measurement were recorded at a minimum of twenty sections during each flow measurement. The width of each metering cross section was determined by a tape or tag line.

DATA COMPUTATION

Rating Curves and Rating Tables

After streamflow measurements were worked out and checked, resulting gauge heights and discharges were plotted on log 2x3 cycle graph paper. The rating curves were drawn and rating tables compiled for the range in stage to be covered. The resulting curves and tables for each site, with the exception of Muddy Pond Brook, are attached to Appendix A.

Muddy Pond Brook

The stage-discharge relationship at this station was very unstable due to beaver action, and an annual run of migration fish.

The daily discharge for this station was computed by using all field data and hydrograph comparisons with other streams in the study. Reference was also made to any available local precipitation records.

Discharge Hydrographs and Printout Data

The discharge hydrographs and printout data are attached in Appendix "B".

SUMMARY

For convenience of assessment of data collected during the study period, a summary in Appendix "C" shows the monthly mean discharges in cubic metres per second.

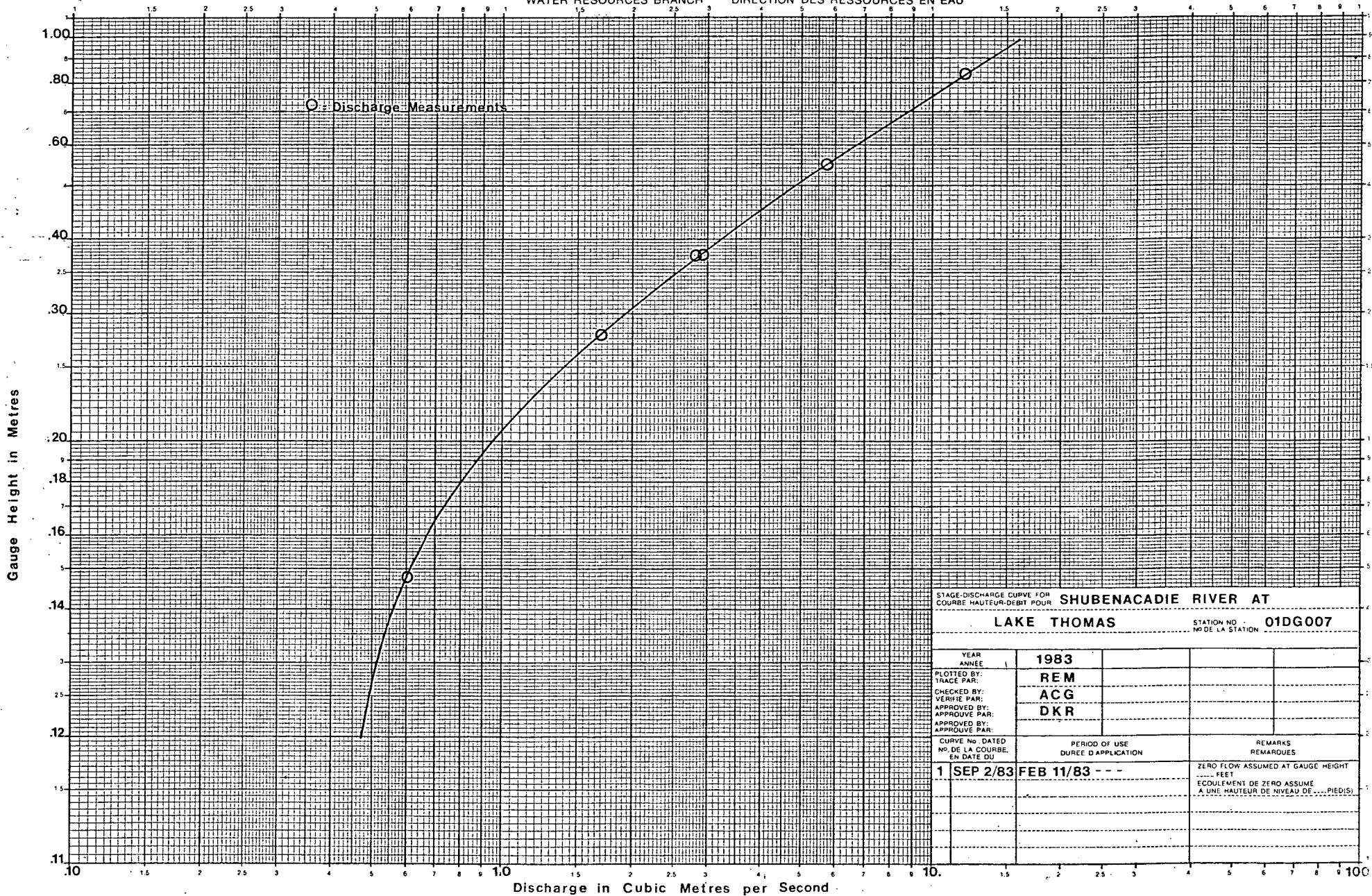
APPENDIX A

1. LOCATION MAP
2. TABLE OF DRAINAGE AREAS
3. RATING CURVES AND RATING TABLES



DRAINAGE AREA

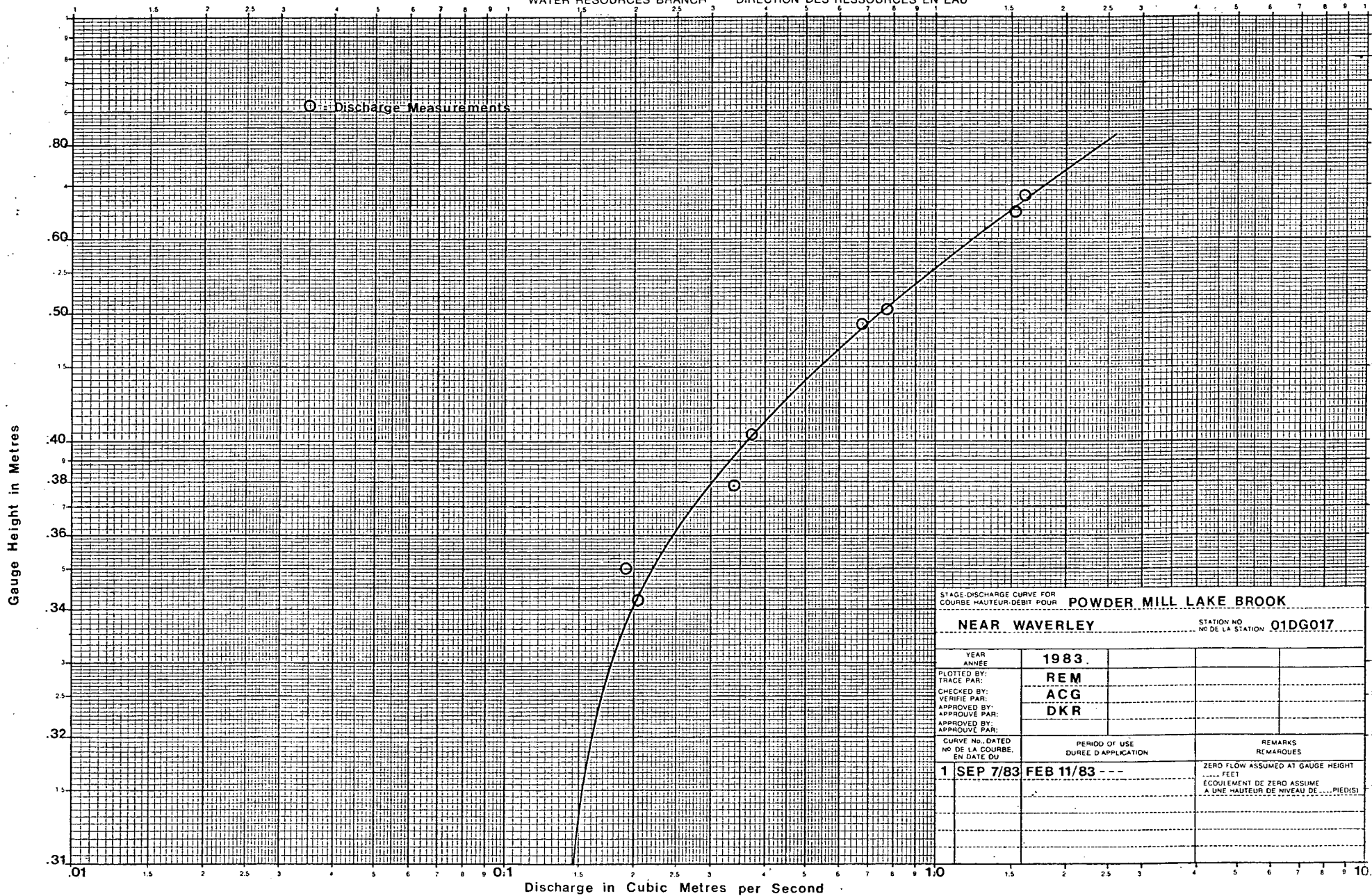
<u>Station No.</u>	<u>Name</u>	<u>Drainage Area in Square Kilometres</u>
01DG007	Shubenacadie River at Lake Thomas	106
01DG017	Powder Mill Lake Brook near Waverley	26.7
01DG035	Shubenacadie River at Outlet of Lake William	76.1
01DG041	Muddy Pond Brook at Waverley	2.58



STAGE-DISCHARGE CURVE FOR SHUBENACADIE RIVER AT
LAKE THOMAS STATION NO. 01DG007
COURBE HAUTEUR-DEBIT POUR LAKE THOMAS NO. DE LA STATION 01DG007

YEAR ANNÉE	1983		
PLOTTED BY: TRACE PAR:	REM		
CHECKED BY: VÉRIFIÉ PAR:	ACG		
APPROVED BY: APPRUVÉ PAR:	DKR		

CURVE No. DATED NO. DE LA COURBE, EN DATE DU	PERIOD OF USE DURÉE D'APPLICATION	REMARKS REMARQUES
1 SEP 2/83	FEB 11/83 - - -	ZERO FLOW ASSUMED AT GAUGE HEIGHT FEET ÉCOULEMENT DE ZÉRO ASSUMÉ À UNE HAUTEUR DE NIVEAU DE PIEDS)



STAGE-DISCHARGE CURVE FOR POWDER MILL LAKE BROOK
COURBE HAUTEUR-DÉBIT POUR

NEAR WAVERLEY

STATION NO 01DG017
NO DE LA STATION

YEAR 1983
ANNÉE
PLOTTED BY: REM
TRACE PAR:
CHECKED BY: ACG
VERIFIÉ PAR:
APPROVED BY: DKR
APPROUVÉ PAR:

CURVE NO., DATED
NO DE LA COURBE, EN DATE DU

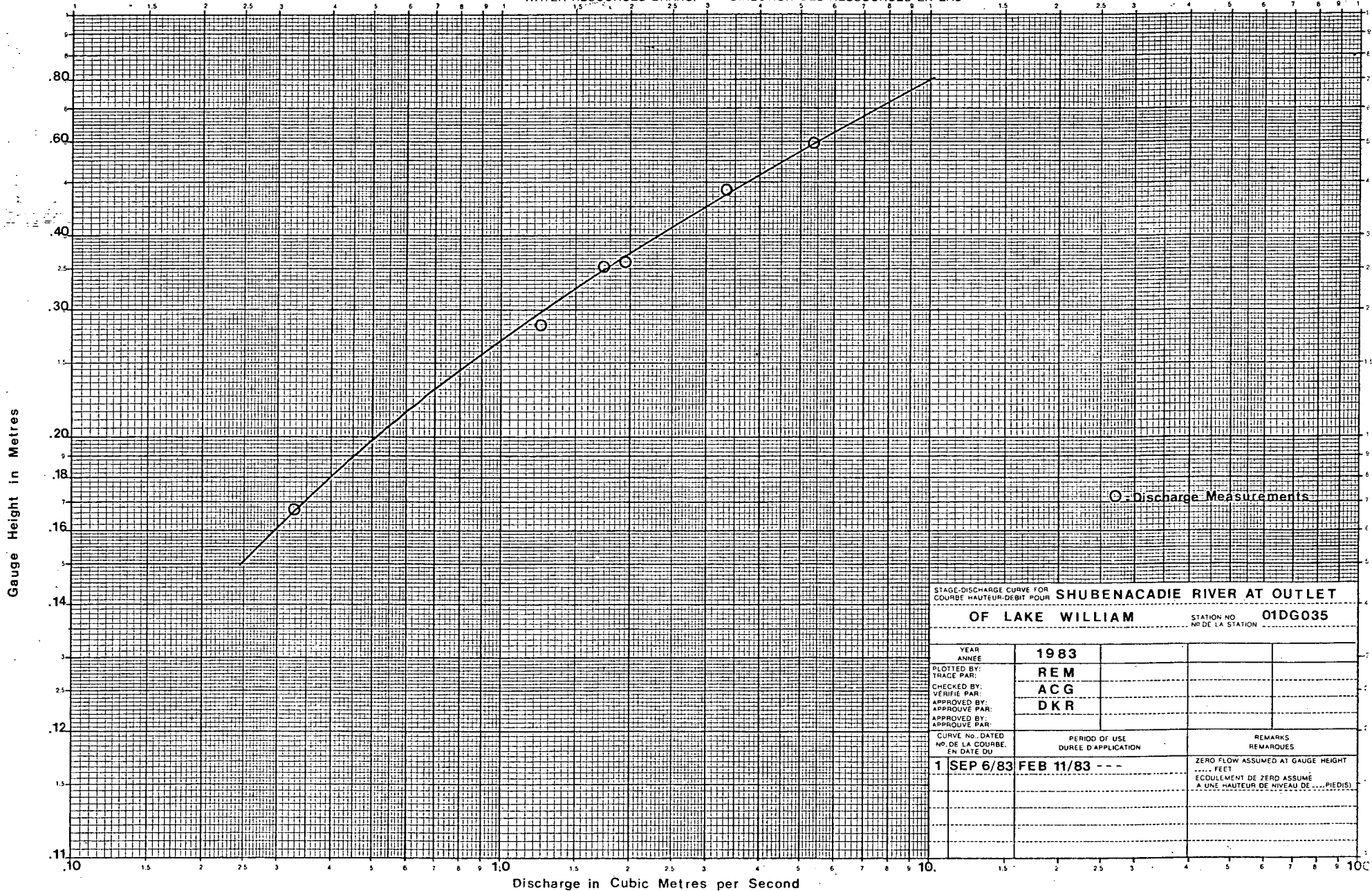
PERIOD OF USE
DURÉE D'APPLICATION

REMARKS
REMARQUES

1 SEP 7/83

FEB 11/83 ---

ZERO FLOW ASSUMED AT GAUGE HEIGHT
..... FEET
ÉCOULEMENT DE ZÉRO ASSIMÉ
À UNE HAUTEUR DE NIVEAU DE PIED(S)



STAGE-DISCHARGE CURVE FOR SHUBENACADIE RIVER AT OUTLET

OF LAKE WILLIAM

STATION NO 01DG035
NO DE LA STATION

YEAR ANNEE	1983	
PLOTTED BY: TRACE PAR:	REM	
CHECKED BY: VERIFIE PAR:	ACG	
APPROVED BY: APPROUVE PAR:	DKR	

CURVE No. DATED NO DE LA COURBE EN DATE DU	PERIOD OF USE DUREE D'APPLICATION	REMARKS REMARQUES
1 SEP 6/83	FEB 11/83 ---	ZERO FLOW ASSUMED AT GAUGE HEIGHT FEET ECOULEMENT DE ZERO ASSUME A UNE HAUTEUR DE NIVEAU DE (PIEDS)

SHUBENACADIE RIVER AT LAKE THOMAS

STATION NO. 01DG007

STAGE-DISCHARGE TABLE NO. 1 DATED SEP 2 1983 (DISCHARGES IN M3/S)

METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES
0.10	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	0.10
0.11	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	0.11
0.12	0.470	0.474	0.479	0.483	0.487	0.492	0.496	0.500	0.504	0.509	0.12
0.13	0.513	0.518	0.524	0.529	0.534	0.539	0.545	0.550	0.554	0.558	0.13
0.14	0.562	0.567	0.572	0.577	0.582	0.587	0.592	0.597	0.602	0.607	0.14
0.15	0.612	0.617	0.623	0.628	0.634	0.639	0.644	0.650	0.655	0.661	0.15
0.16	0.666	0.672	0.678	0.684	0.690	0.696	0.702	0.708	0.714	0.720	0.16
0.17	0.726	0.733	0.739	0.746	0.753	0.759	0.766	0.773	0.780	0.786	0.17
0.18	0.793	0.800	0.808	0.815	0.822	0.830	0.837	0.844	0.851	0.859	0.18
0.19	0.866	0.874	0.881	0.889	0.896	0.904	0.912	0.919	0.927	0.934	0.19
0.20	0.942	0.950	0.958	0.965	0.973	0.981	0.989	0.997	1.000	1.010	0.20
0.21	1.020	1.030	1.040	1.050	1.060	1.070	1.070	1.080	1.090	1.100	0.21
0.22	1.110	1.120	1.130	1.140	1.150	1.160	1.160	1.170	1.180	1.190	0.22
0.23	1.200	1.210	1.220	1.230	1.240	1.250	1.250	1.260	1.270	1.280	0.23
0.24	1.290	1.300	1.310	1.320	1.330	1.340	1.350	1.360	1.370	1.380	0.24
0.25	1.390	1.400	1.410	1.420	1.430	1.440	1.450	1.460	1.470	1.480	0.25
0.26	1.490	1.500	1.510	1.520	1.530	1.540	1.550	1.560	1.570	1.580	0.26
0.27	1.590	1.600	1.610	1.620	1.630	1.650	1.660	1.670	1.680	1.690	0.27
0.28	1.700	1.710	1.720	1.730	1.740	1.760	1.770	1.780	1.790	1.800	0.28
0.29	1.810	1.820	1.830	1.840	1.850	1.870	1.880	1.890	1.900	1.910	0.29
METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES
0.30	1.920	1.930	1.940	1.960	1.970	1.980	1.990	2.000	2.020	2.030	0.30
0.31	2.040	2.050	2.060	2.080	2.090	2.100	2.110	2.120	2.140	2.150	0.31
0.32	2.160	2.170	2.180	2.200	2.210	2.220	2.230	2.240	2.260	2.270	0.32
0.33	2.280	2.290	2.300	2.320	2.330	2.340	2.350	2.360	2.380	2.390	0.33
0.34	2.400	2.410	2.430	2.440	2.450	2.470	2.480	2.490	2.500	2.520	0.34
0.35	2.530	2.540	2.560	2.570	2.580	2.600	2.610	2.620	2.630	2.650	0.35
0.36	2.660	2.670	2.690	2.700	2.710	2.730	2.740	2.750	2.760	2.780	0.36
0.37	2.790	2.800	2.820	2.830	2.850	2.860	2.870	2.890	2.900	2.920	0.37
0.38	2.930	2.950	2.960	2.980	2.990	3.010	3.020	3.040	3.050	3.070	0.38
0.39	3.080	3.100	3.110	3.130	3.140	3.160	3.170	3.190	3.200	3.210	0.39
0.40	3.230	3.250	3.260	3.280	3.290	3.310	3.330	3.340	3.360	3.370	0.40
0.41	3.390	3.410	3.420	3.440	3.450	3.470	3.490	3.500	3.520	3.530	0.41
0.42	3.550	3.570	3.580	3.600	3.610	3.630	3.650	3.660	3.680	3.690	0.42
0.43	3.710	3.730	3.740	3.760	3.770	3.790	3.810	3.820	3.840	3.850	0.43
0.44	3.870	3.890	3.900	3.920	3.930	3.950	3.970	3.980	4.000	4.010	0.44
0.45	4.030	4.050	4.060	4.080	4.090	4.110	4.130	4.140	4.160	4.170	0.45
0.46	4.190	4.210	4.220	4.240	4.250	4.270	4.290	4.300	4.320	4.330	0.46
0.47	4.350	4.370	4.380	4.400	4.420	4.440	4.450	4.470	4.490	4.500	0.47
0.48	4.520	4.540	4.550	4.570	4.590	4.610	4.620	4.640	4.660	4.670	0.48
0.49	4.690	4.710	4.720	4.740	4.760	4.780	4.790	4.810	4.830	4.840	0.49

SHUBENACADIE RIVER AT LAKE THOMAS

STATION NO. 01DG007

STAGE-DISCHARGE TABLE NO. 1 DATED SEP 2 1983 (DISCHARGES IN M3/S)

METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES
0.50	4.860	4.880	4.890	4.910	4.930	4.940	4.960	4.980	5.000	5.010	0.50
0.51	5.030	5.050	5.060	5.080	5.100	5.120	5.130	5.150	5.170	5.180	0.51
0.52	5.200	5.220	5.230	5.250	5.270	5.280	5.300	5.320	5.340	5.350	0.52
0.53	5.370	5.390	5.400	5.420	5.440	5.460	5.470	5.490	5.510	5.520	0.53
0.54	5.540	5.560	5.570	5.590	5.610	5.630	5.640	5.660	5.680	5.690	0.54
0.55	5.710	5.730	5.750	5.760	5.780	5.800	5.820	5.840	5.850	5.870	0.55
0.56	5.890	5.910	5.930	5.950	5.970	5.990	6.000	6.020	6.040	6.060	0.56
0.57	6.080	6.100	6.120	6.140	6.160	6.180	6.200	6.220	6.240	6.260	0.57
0.58	6.280	6.300	6.320	6.340	6.360	6.390	6.410	6.430	6.450	6.470	0.58
0.59	6.490	6.510	6.530	6.560	6.580	6.600	6.620	6.640	6.670	6.690	0.59
0.60	6.710	6.730	6.750	6.780	6.800	6.820	6.840	6.860	6.890	6.910	0.60
0.61	6.930	6.950	6.970	7.000	7.020	7.040	7.060	7.080	7.110	7.130	0.61
0.62	7.150	7.170	7.190	7.220	7.240	7.260	7.280	7.300	7.330	7.350	0.62
0.63	7.370	7.390	7.410	7.430	7.460	7.480	7.500	7.520	7.540	7.570	0.63
0.64	7.590	7.610	7.630	7.650	7.680	7.700	7.720	7.740	7.760	7.790	0.64
0.65	7.810	7.830	7.850	7.870	7.900	7.920	7.940	7.960	7.980	8.010	0.65
0.66	8.030	8.050	8.070	8.090	8.120	8.140	8.160	8.180	8.200	8.230	0.66
0.67	8.250	8.270	8.290	8.310	8.340	8.360	8.380	8.400	8.420	8.450	0.67
0.68	8.470	8.490	8.510	8.530	8.560	8.580	8.600	8.620	8.640	8.670	0.68
0.69	8.690	8.710	8.730	8.750	8.780	8.800	8.820	8.840	8.860	8.890	0.69
0.70	8.910	8.930	8.950	8.970	9.000	9.020	9.040	9.060	9.080	9.110	0.70
0.71	9.130	9.150	9.170	9.190	9.210	9.240	9.260	9.280	9.300	9.320	0.71
0.72	9.350	9.370	9.390	9.410	9.430	9.460	9.480	9.500	9.520	9.540	0.72
0.73	9.570	9.590	9.610	9.630	9.650	9.680	9.700	9.720	9.740	9.760	0.73
0.74	9.790	9.810	9.830	9.850	9.870	9.900	9.920	9.940	9.960	9.980	0.74
0.75	10.000	10.000	10.100	10.100	10.100	10.100	10.100	10.200	10.200	10.200	0.75
0.76	10.200	10.200	10.300	10.300	10.300	10.300	10.400	10.400	10.400	10.400	0.76
0.77	10.400	10.500	10.500	10.500	10.500	10.600	10.600	10.600	10.600	10.600	0.77
0.78	10.700	10.700	10.700	10.700	10.800	10.800	10.800	10.800	10.800	10.900	0.78
0.79	10.900	10.900	10.900	11.000	11.000	11.000	11.000	11.000	11.100	11.100	0.79
0.80	11.100	11.100	11.100	11.200	11.200	11.200	11.200	11.300	11.300	11.300	0.80
0.81	11.300	11.300	11.400	11.400	11.400	11.400	11.500	11.500	11.500	11.500	0.81
0.82	11.500	11.600	11.600	11.600	11.600	11.700	11.700	11.700	11.700	11.700	0.82
0.83	11.800	11.800	11.800	11.800	11.900	11.900	11.900	11.900	11.900	12.000	0.83
0.84	12.000	12.000	12.000	12.000	12.100	12.100	12.100	12.100	12.200	12.200	0.84
0.85	12.200	12.200	12.200	12.300	12.300	12.300	12.300	12.400	12.400	12.400	0.85
0.86	12.400	12.400	12.500	12.500	12.500	12.500	12.600	12.600	12.600	12.600	0.86
0.87	12.600	12.700	12.700	12.700	12.700	12.800	12.800	12.800	12.800	12.800	0.87
0.88	12.900	12.900	12.900	12.900	13.000	13.000	13.000	13.000	13.000	13.100	0.88
0.89	13.100	13.100	13.100	13.100	13.200	13.200	13.200	13.200	13.300	13.300	0.89

WATER SURVEY OF CANADA
 FEB 27 1984 PAGE 6
 HALIFAX, N.S.

SHUBENACADIE RIVER AT LAKE THOMAS

STATION NO. 01DG007

STAGE-DISCHARGE TABLE NO. 1 DATED SEP 2 1983 (DISCHARGES IN M3/S)												
METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES	
0.90	13.300	13.300	13.300	13.400	13.400	13.400	13.400	13.500	13.500	13.500	13.500	0.90
0.91	13.500	13.500	13.600	13.600	13.600	13.600	13.700	13.700	13.700	13.700	13.700	0.91
0.92	13.700	13.800	13.800	13.800	13.800	13.900	13.900	13.900	13.900	13.900	13.900	0.92
0.93	14.000	14.000	14.000	14.000	14.000	14.100	14.100	14.100	14.100	14.100	14.200	0.93
0.94	14.200	14.200	14.200	14.200	14.300	14.300	14.300	14.300	14.400	14.400	14.400	0.94
0.95	14.400	14.400	14.400	14.500	14.500	14.500	14.500	14.600	14.600	14.600	14.600	0.95
0.96	14.600	14.600	14.700	14.700	14.700	14.700	14.800	14.800	14.800	14.800	14.800	0.96
0.97	14.800	14.900	14.900	14.900	14.900	15.000	15.000	15.000	15.000	15.000	15.000	0.97
0.98	15.100	15.100	15.100	15.100	15.100	15.200	15.200	15.200	15.200	15.200	15.300	0.98
0.99	15.300	15.300	15.300	15.300	15.400	15.400	15.400	15.400	15.500	15.500	15.500	0.99
1.00	15.500	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	1.00

GAUGE CORRECTIONS FOR THE

CARD NO.	DATE	TIME	METRES	REMARKS
NONE				

SHIFT CORRECTIONS USING TABLE NO.

CARD NO.	DATE	TIME	METRES	REMARKS
NONE				

STAGE-DISCHARGE TABLE NO. 1 DATED SEP 7 1983 (DISCHARGES IN M3/S)

METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES
0.30	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	0.30
0.31	0.148	0.149	0.151	0.152	0.154	0.155	0.156	0.158	0.159	0.161	0.31
0.32	0.162	0.164	0.165	0.167	0.168	0.170	0.172	0.173	0.175	0.176	0.32
0.33	0.178	0.180	0.182	0.184	0.184	0.188	0.190	0.192	0.194	0.194	0.33
0.34	0.198	0.200	0.202	0.205	0.207	0.209	0.211	0.213	0.216	0.218	0.34
0.35	0.220	0.222	0.225	0.227	0.230	0.232	0.234	0.237	0.239	0.242	0.35
0.36	0.244	0.247	0.250	0.252	0.255	0.258	0.261	0.264	0.266	0.269	0.36
0.37	0.272	0.275	0.278	0.280	0.283	0.286	0.289	0.292	0.294	0.297	0.37
0.38	0.300	0.303	0.304	0.309	0.312	0.315	0.318	0.321	0.324	0.327	0.38
0.39	0.330	0.333	0.336	0.339	0.342	0.346	0.349	0.352	0.355	0.358	0.39
0.40	0.361	0.364	0.367	0.371	0.374	0.377	0.380	0.383	0.387	0.390	0.40
0.41	0.393	0.396	0.400	0.403	0.406	0.409	0.413	0.416	0.419	0.423	0.41
0.42	0.426	0.429	0.433	0.436	0.440	0.443	0.446	0.450	0.453	0.457	0.42
0.43	0.460	0.464	0.467	0.471	0.474	0.478	0.482	0.485	0.489	0.492	0.43
0.44	0.496	0.500	0.503	0.507	0.511	0.515	0.518	0.522	0.526	0.529	0.44
0.45	0.533	0.537	0.541	0.544	0.548	0.552	0.556	0.560	0.563	0.567	0.45
0.46	0.571	0.575	0.579	0.583	0.587	0.590	0.594	0.598	0.602	0.606	0.46
0.47	0.610	0.614	0.618	0.622	0.626	0.631	0.635	0.639	0.643	0.647	0.47
0.48	0.651	0.655	0.660	0.664	0.668	0.673	0.677	0.681	0.685	0.690	0.48
0.49	0.694	0.698	0.703	0.707	0.712	0.717	0.721	0.726	0.730	0.735	0.49
METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES
0.50	0.739	0.744	0.748	0.753	0.757	0.762	0.767	0.771	0.776	0.780	0.50
0.51	0.785	0.790	0.794	0.799	0.804	0.809	0.813	0.818	0.823	0.827	0.51
0.52	0.832	0.837	0.842	0.846	0.851	0.856	0.861	0.866	0.870	0.875	0.52
0.53	0.880	0.885	0.890	0.895	0.900	0.905	0.909	0.914	0.919	0.924	0.53
0.54	0.929	0.934	0.939	0.944	0.949	0.954	0.959	0.964	0.969	0.974	0.54
0.55	0.979	0.984	0.989	0.994	0.999	1.000	1.010	1.010	1.020	1.020	0.55
0.56	1.030	1.030	1.040	1.040	1.050	1.050	1.060	1.060	1.070	1.070	0.56
0.57	1.080	1.080	1.090	1.090	1.100	1.100	1.110	1.110	1.120	1.120	0.57
0.58	1.130	1.130	1.140	1.140	1.150	1.150	1.160	1.160	1.170	1.170	0.58
0.59	1.180	1.180	1.190	1.190	1.200	1.200	1.210	1.210	1.220	1.220	0.59
0.60	1.230	1.230	1.240	1.240	1.250	1.250	1.260	1.260	1.270	1.270	0.60
0.61	1.280	1.280	1.290	1.290	1.300	1.300	1.310	1.310	1.320	1.320	0.61
0.62	1.330	1.340	1.340	1.350	1.350	1.360	1.370	1.370	1.380	1.380	0.62
0.63	1.390	1.400	1.400	1.410	1.410	1.420	1.430	1.430	1.440	1.440	0.63
0.64	1.450	1.450	1.460	1.470	1.470	1.480	1.480	1.490	1.500	1.500	0.64
0.65	1.510	1.510	1.520	1.530	1.530	1.540	1.540	1.550	1.560	1.560	0.65
0.66	1.570	1.570	1.580	1.590	1.590	1.600	1.600	1.610	1.620	1.620	0.66
0.67	1.630	1.630	1.640	1.640	1.650	1.660	1.660	1.670	1.680	1.680	0.67
0.68	1.690	1.690	1.700	1.700	1.710	1.720	1.720	1.730	1.740	1.740	0.68
0.69	1.750	1.750	1.760	1.760	1.770	1.780	1.780	1.790	1.790	1.800	0.69

WATER SURVEY OF CANADA
 MAR 19 1984 PAGE 7
 HALIFAX, N.S.

POWDER MILL LAKE BROOK NEAR WAVERLEY

STATION NO. 01DGC17

STAGE-DISCHARGE TABLE NO. 1 DATED SEP 7 1983 (DISCHARGES IN M3/S)											
METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES
0.70	1.810	1.810	1.820	1.820	1.830	1.830	1.840	1.850	1.850	1.860	0.70
0.71	1.860	1.870	1.880	1.880	1.890	1.890	1.900	1.910	1.910	1.920	0.71
0.72	1.920	1.930	1.940	1.940	1.950	1.950	1.960	1.970	1.970	1.980	0.72
0.73	1.980	1.990	2.000	2.000	2.010	2.010	2.020	2.020	2.030	2.040	0.73
0.74	2.040	2.050	2.050	2.060	2.070	2.070	2.080	2.080	2.090	2.100	0.74
0.75	2.100	2.110	2.110	2.120	2.130	2.130	2.140	2.140	2.150	2.160	0.75
0.76	2.160	2.170	2.170	2.180	2.190	2.190	2.200	2.200	2.210	2.210	0.76
0.77	2.220	2.230	2.230	2.240	2.240	2.250	2.260	2.260	2.270	2.270	0.77
0.78	2.280	2.290	2.290	2.300	2.310	2.320	2.320	2.330	2.340	2.340	0.78
0.79	2.350	2.360	2.360	2.370	2.380	2.390	2.390	2.400	2.410	2.410	0.79
0.80	2.420	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	0.80

GAUGE CORRECTIONS FOR THE

CARD NO.	DATE	TIME	METRES	REMARKS
NONE				

SHIFT CORRECTIONS USING TABLE NO.

CARD NO.	DATE	TIME	METRES	REMARKS
NONE				

WATER SURVEY OF CANADA
 FEB 24 1984 PAGE 4
 HALIFAX, N.S.

SHUBENACADIE RIVER AT OUTLET OF LAKE WILLIAM

STATION NO. 01DG035

STAGE-DISCHARGE TABLE NO. 1 DATED SEP 6 1983 (DISCHARGES IN M3/S)

METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES
0.10	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	0.10
0.11	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	0.11
0.12	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	0.12
0.13	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	0.13
0.14	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	0.14
0.15	0.248	0.253	0.257	0.262	0.266	0.271	0.276	0.280	0.285	0.289	0.15
0.16	0.294	0.299	0.304	0.309	0.314	0.319	0.324	0.329	0.334	0.339	0.16
0.17	0.344	0.349	0.354	0.360	0.365	0.370	0.375	0.380	0.386	0.391	0.17
0.18	0.396	0.402	0.407	0.413	0.418	0.424	0.430	0.435	0.441	0.446	0.18
0.19	0.452	0.458	0.464	0.470	0.476	0.482	0.488	0.494	0.500	0.506	0.19
0.20	0.512	0.518	0.524	0.531	0.537	0.543	0.549	0.555	0.562	0.568	0.20
0.21	0.574	0.580	0.587	0.593	0.600	0.606	0.612	0.619	0.625	0.632	0.21
0.22	0.638	0.645	0.651	0.658	0.664	0.671	0.678	0.684	0.691	0.697	0.22
0.23	0.704	0.711	0.718	0.726	0.733	0.740	0.747	0.754	0.762	0.769	0.23
0.24	0.776	0.784	0.791	0.799	0.806	0.814	0.821	0.828	0.836	0.844	0.24
0.25	0.851	0.859	0.867	0.874	0.882	0.890	0.898	0.906	0.913	0.921	0.25
0.26	0.929	0.937	0.945	0.953	0.961	0.969	0.977	0.985	0.993	1.000	0.26
0.27	1.010	1.020	1.030	1.040	1.050	1.060	1.070	1.080	1.090	1.100	0.27
0.28	1.090	1.100	1.110	1.120	1.130	1.140	1.150	1.160	1.170	1.180	0.28
0.29	1.180	1.190	1.200	1.210	1.220	1.230	1.240	1.250	1.260	1.270	0.29
METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES
0.30	1.270	1.280	1.290	1.300	1.310	1.320	1.330	1.340	1.350	1.360	0.30
0.31	1.360	1.370	1.380	1.390	1.400	1.410	1.420	1.430	1.440	1.450	0.31
0.32	1.460	1.470	1.480	1.490	1.500	1.510	1.520	1.530	1.540	1.550	0.32
0.33	1.560	1.570	1.580	1.590	1.600	1.610	1.620	1.630	1.640	1.650	0.33
0.34	1.660	1.670	1.680	1.690	1.700	1.710	1.720	1.730	1.740	1.750	0.34
0.35	1.760	1.770	1.780	1.790	1.800	1.820	1.830	1.840	1.850	1.860	0.35
0.36	1.870	1.880	1.890	1.900	1.910	1.930	1.940	1.950	1.960	1.970	0.36
0.37	1.980	1.990	2.000	2.010	2.020	2.040	2.050	2.060	2.070	2.080	0.37
0.38	2.090	2.100	2.110	2.130	2.140	2.150	2.160	2.170	2.190	2.200	0.38
0.39	2.210	2.220	2.230	2.250	2.260	2.270	2.280	2.290	2.310	2.320	0.39
0.40	2.330	2.340	2.360	2.370	2.380	2.400	2.410	2.420	2.430	2.450	0.40
0.41	2.460	2.470	2.490	2.500	2.510	2.530	2.540	2.550	2.560	2.580	0.41
0.42	2.590	2.600	2.620	2.630	2.650	2.660	2.670	2.690	2.700	2.720	0.42
0.43	2.730	2.740	2.760	2.770	2.790	2.800	2.810	2.830	2.840	2.860	0.43
0.44	2.870	2.880	2.900	2.910	2.930	2.940	2.950	2.970	2.980	3.000	0.44
0.45	3.010	3.020	3.040	3.050	3.070	3.080	3.090	3.110	3.120	3.140	0.45
0.46	3.150	3.160	3.180	3.190	3.210	3.220	3.230	3.250	3.260	3.280	0.46
0.47	3.290	3.310	3.320	3.340	3.350	3.370	3.380	3.400	3.410	3.430	0.47
0.48	3.440	3.460	3.470	3.490	3.500	3.520	3.530	3.550	3.560	3.580	0.48
0.49	3.590	3.610	3.620	3.640	3.650	3.670	3.680	3.700	3.710	3.730	0.49

STATION NO. 01D6035

SHURENACADIE RIVER AT OUTLET OF LAKE WILLIAM

WATER SURVEY OF CANADA
FEB 24 1984 PAGE 5
HALIFAX, N.S.

STAGE-DISCHARGE TABLE NO. 1 DATED SEP 6 1983 (DISCHARGES IN M³/S)

METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES
0.50	3.740	3.760	3.770	3.790	3.800	3.820	3.830	3.850	3.860	3.880	0.50
0.51	3.890	3.910	3.920	3.940	3.950	3.970	3.980	4.000	4.010	4.030	0.51
0.52	4.040	4.060	4.070	4.090	4.100	4.120	4.140	4.150	4.170	4.180	0.52
0.53	4.200	4.220	4.230	4.250	4.260	4.280	4.300	4.310	4.330	4.340	0.53
0.54	4.360	4.380	4.390	4.410	4.420	4.440	4.460	4.470	4.490	4.500	0.54
0.55	4.520	4.540	4.550	4.570	4.590	4.610	4.620	4.640	4.660	4.670	0.55
0.56	4.690	4.710	4.720	4.740	4.760	4.780	4.790	4.810	4.830	4.840	0.56
0.57	4.860	4.880	4.890	4.910	4.930	4.950	4.960	4.980	5.000	5.010	0.57
0.58	5.030	5.050	5.070	5.080	5.100	5.120	5.140	5.160	5.170	5.180	0.58
0.59	5.210	5.230	5.250	5.270	5.290	5.310	5.320	5.340	5.360	5.380	0.59
0.60	5.400	5.420	5.440	5.460	5.480	5.500	5.520	5.540	5.560	5.580	0.60
0.61	5.600	5.620	5.640	5.660	5.680	5.700	5.720	5.740	5.760	5.780	0.61
0.62	5.800	5.820	5.840	5.860	5.880	5.900	5.920	5.940	5.960	5.980	0.62
0.63	6.000	6.020	6.040	6.060	6.080	6.110	6.130	6.150	6.170	6.190	0.63
0.64	6.210	6.230	6.250	6.270	6.290	6.320	6.340	6.360	6.380	6.400	0.64
0.65	6.420	6.440	6.460	6.490	6.510	6.530	6.550	6.570	6.600	6.620	0.65
0.66	6.640	6.660	6.690	6.710	6.730	6.760	6.780	6.800	6.820	6.850	0.66
0.67	6.870	6.890	6.920	6.940	6.960	6.990	7.010	7.030	7.050	7.080	0.67
0.68	7.100	7.120	7.150	7.170	7.190	7.220	7.240	7.260	7.280	7.310	0.68
0.69	7.330	7.350	7.380	7.400	7.420	7.450	7.470	7.490	7.510	7.540	0.69
METRES	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009	METRES
0.70	7.560	7.580	7.610	7.630	7.650	7.670	7.700	7.720	7.740	7.770	0.70
0.71	7.790	7.810	7.840	7.860	7.880	7.900	7.930	7.950	7.970	8.000	0.71
0.72	8.020	8.040	8.070	8.090	8.120	8.140	8.160	8.190	8.210	8.240	0.72
0.73	8.260	8.280	8.310	8.330	8.360	8.380	8.400	8.430	8.450	8.480	0.73
0.74	8.500	8.530	8.550	8.570	8.600	8.630	8.650	8.670	8.700	8.730	0.74
0.75	8.750	8.780	8.800	8.830	8.850	8.880	8.900	8.930	8.950	8.970	0.75
0.76	9.000	9.030	9.050	9.080	9.100	9.120	9.150	9.180	9.200	9.220	0.76
0.77	9.250	9.280	9.300	9.330	9.350	9.370	9.400	9.430	9.450	9.470	0.77
0.78	9.500	9.530	9.550	9.580	9.600	9.630	9.650	9.680	9.700	9.720	0.78
0.79	9.750	9.780	9.800	9.820	9.850	9.880	9.900	9.920	9.950	9.980	0.79
0.80	10.000	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	-9999.999	0.80

GAUGE CORRECTIONS FOR THE

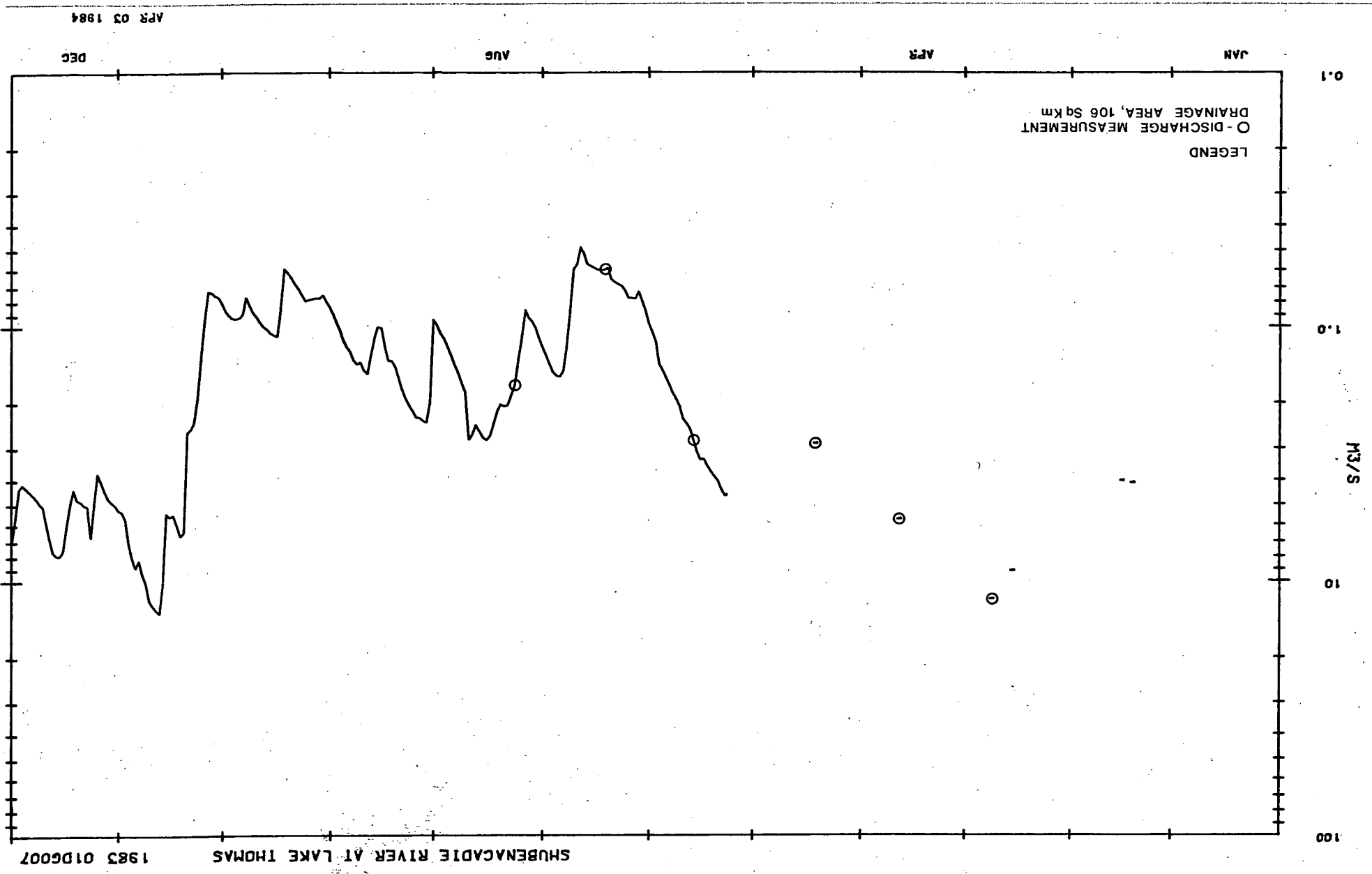
CARD NO.	DATE	TIME	METRES	REMARKS
				NONE

SHIFT CORRECTIONS USING TABLE NO.

CARD NO.	DATE	TIME	METRES	REMARKS
				NONE

APPENDIX B

1. DAILY DISCHARGE HYDROGRAPHS
2. DAILY DISCHARGE DATA



APR 03 1984

APR 02 1984

DEC

AUG

APR

JAN

LEGEND
O-DISCHARGE MEASUREMENT
DRAINAGE AREA, 26.7 Sq km

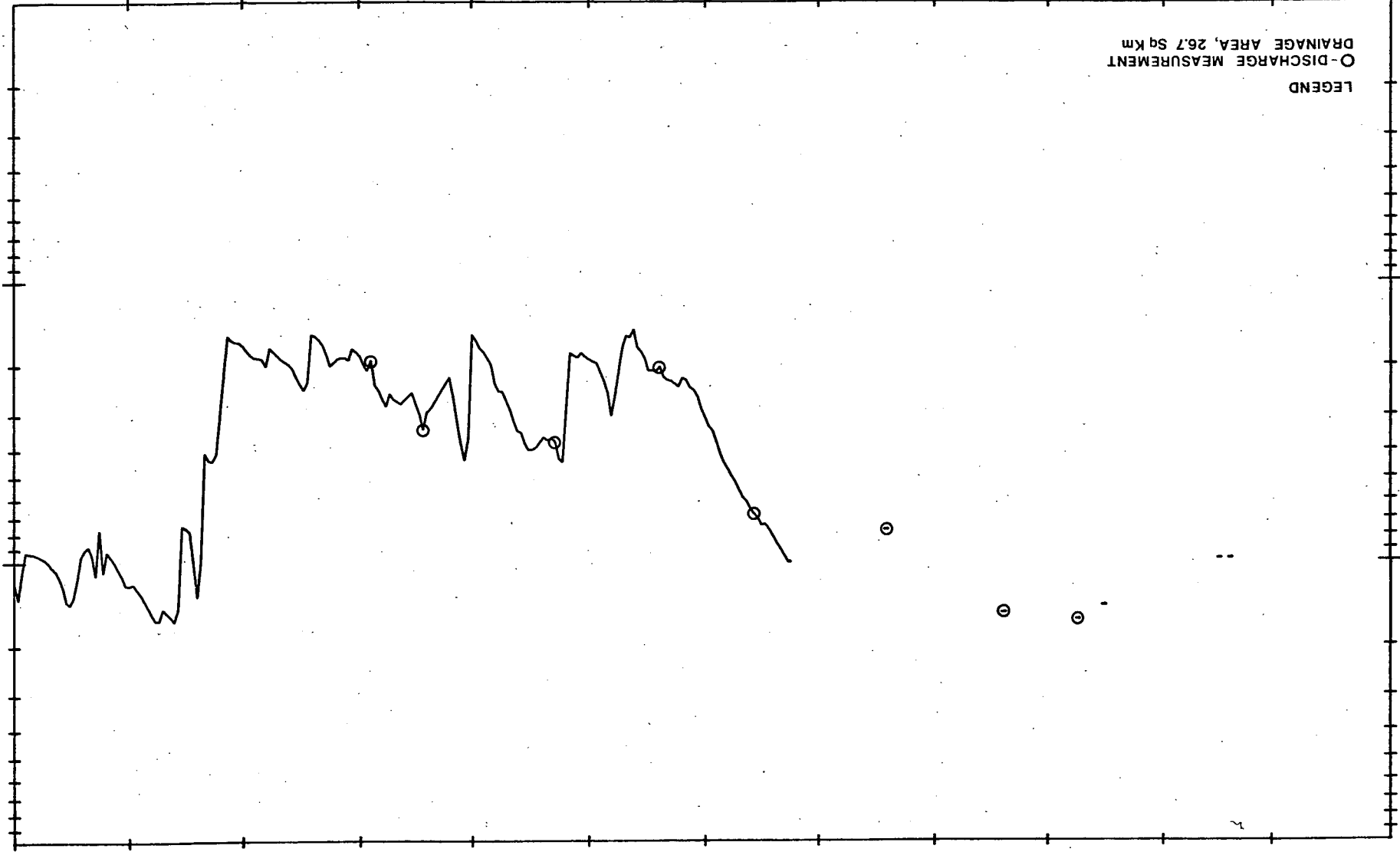
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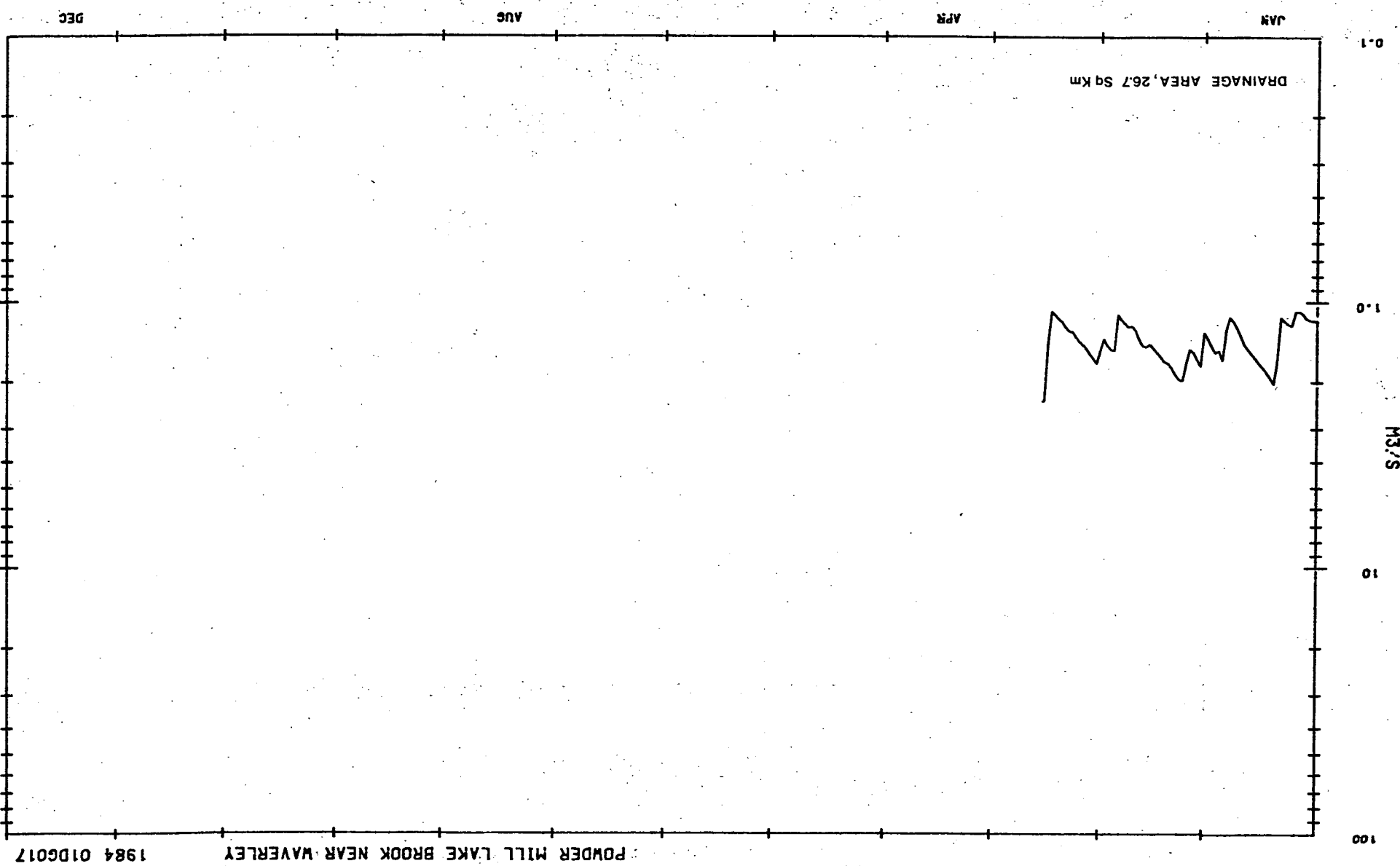
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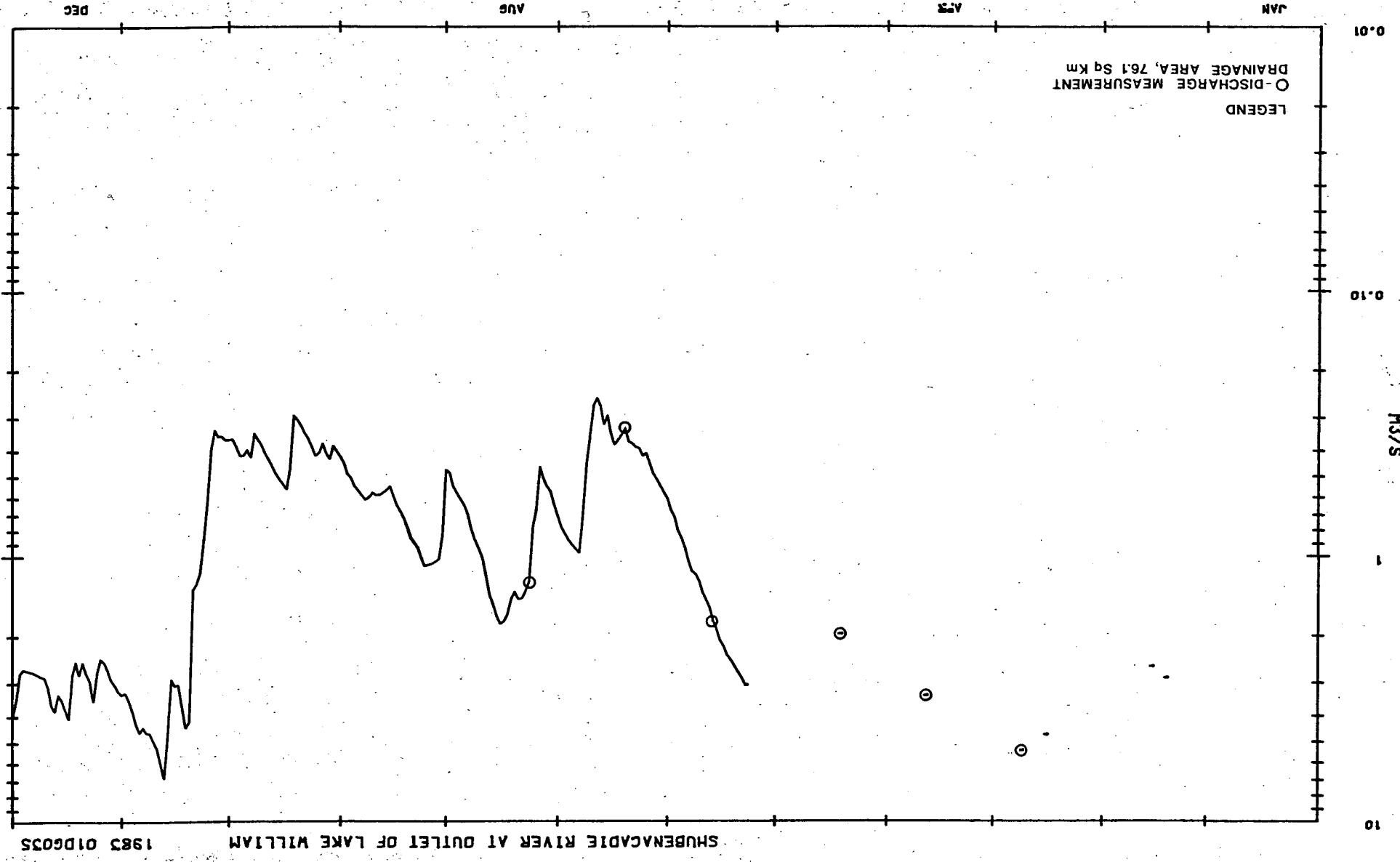
M³/S

10

POWDER MILL LAKE BROOK NEAR WAVERLEY 1983 0106017







APR 05 1984

DEC

AUG

APR

JAN

DRAINAGE AREA, 761 Sq Km

0.1

1.0

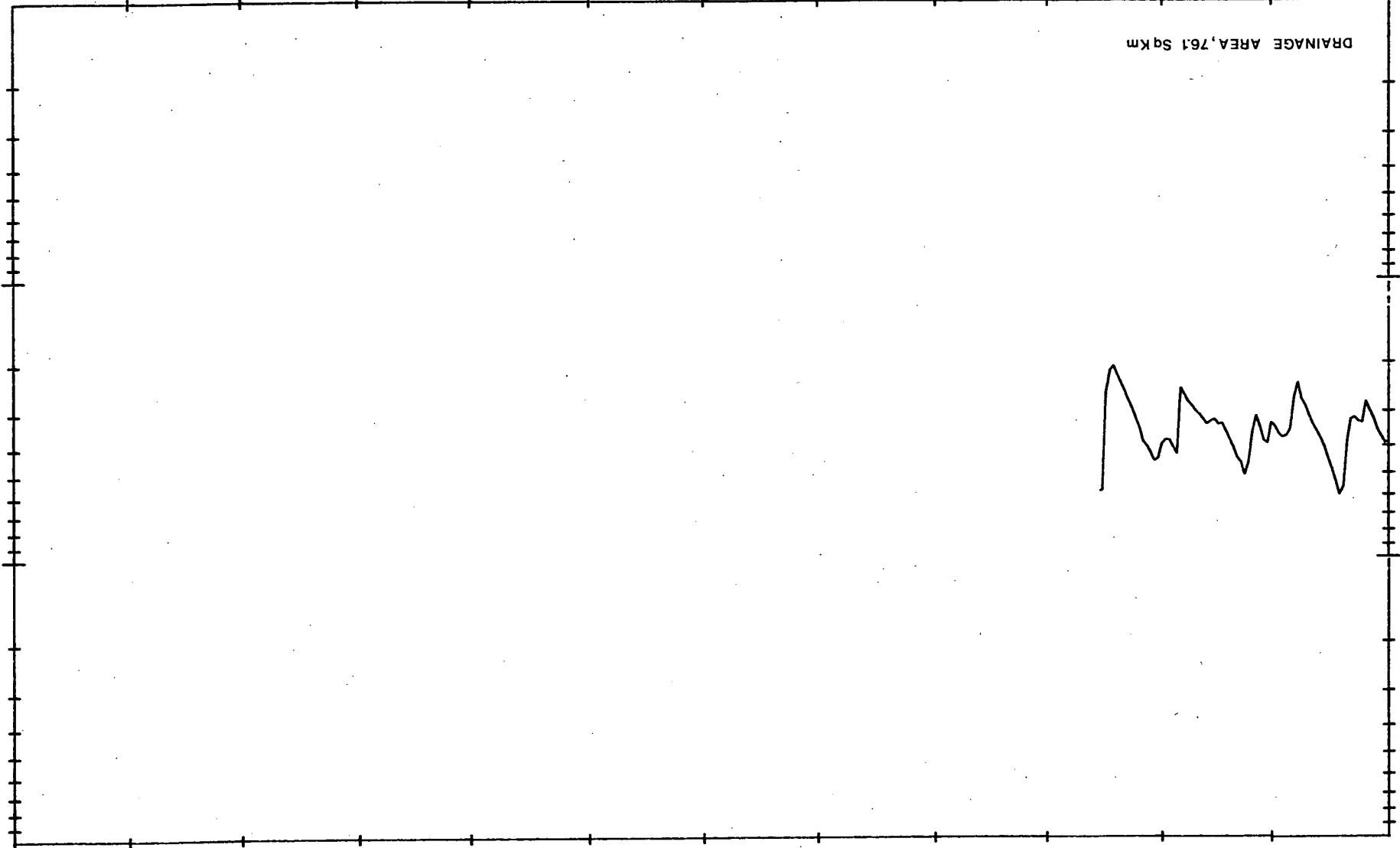
M3/S

10

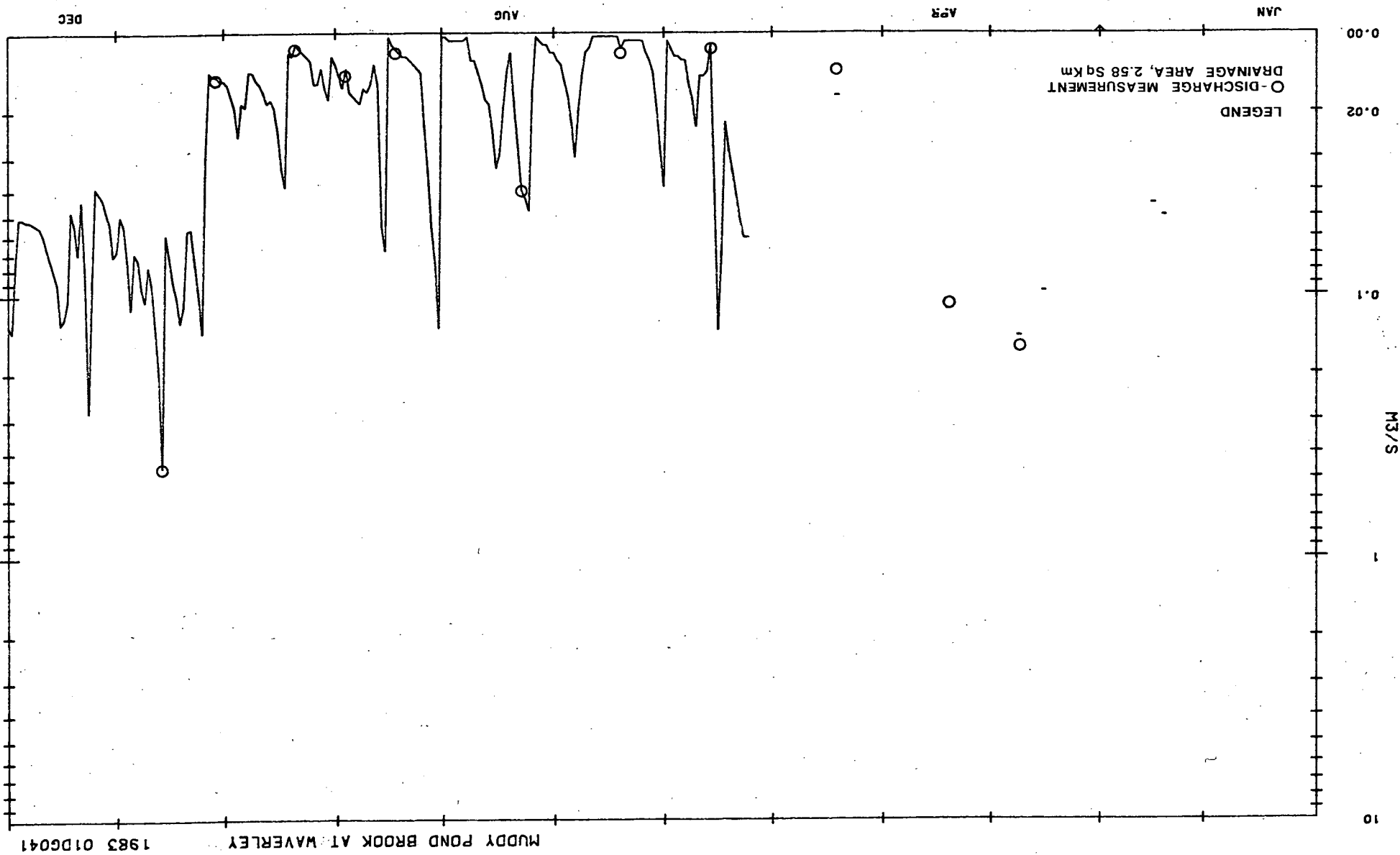
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SHUBENACADIE RIVER AT OUTLET OF LAKE WILLIAM

1984 01D6035

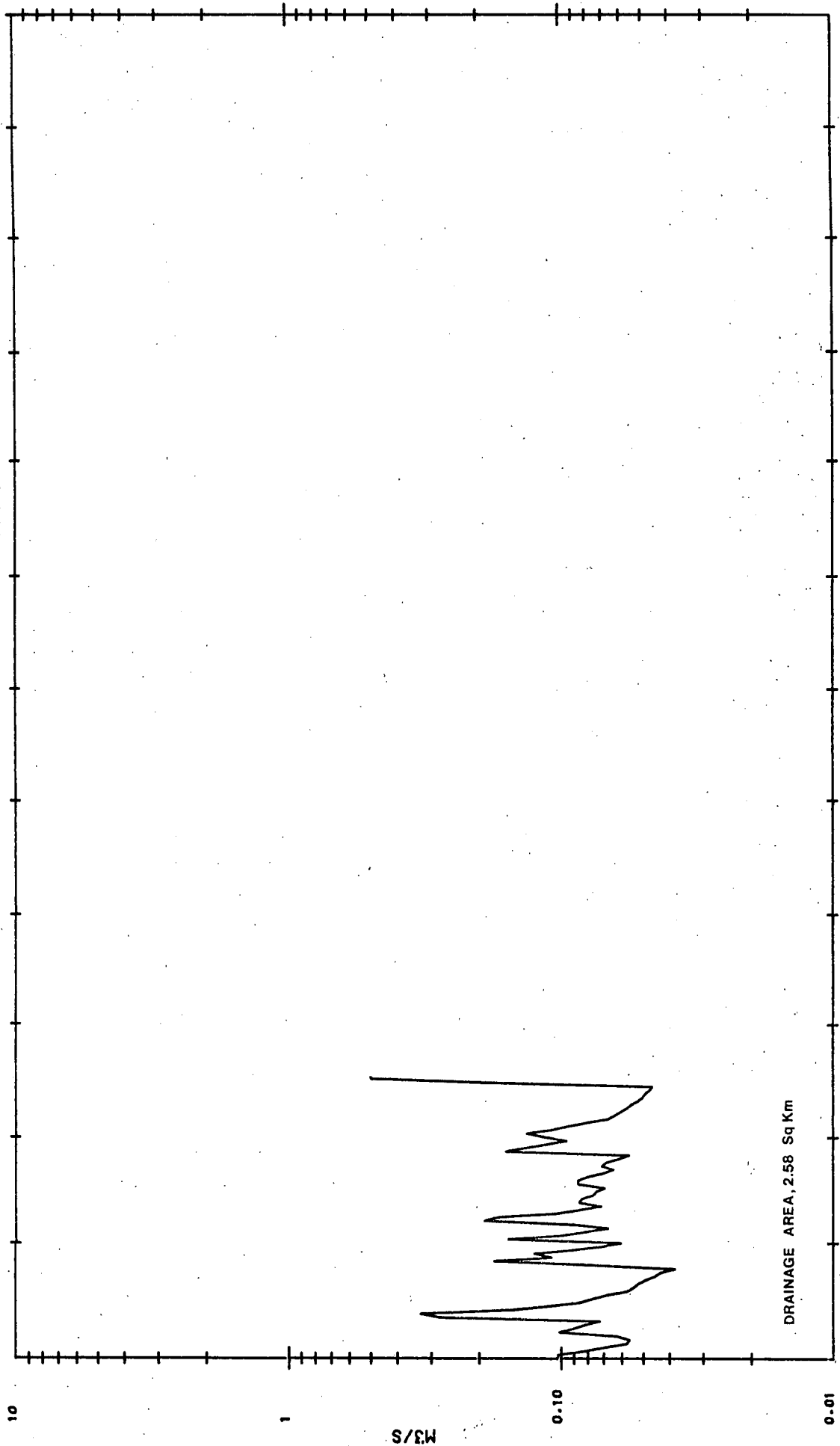


MAY 28 1984



1984 01D6041

MUDDY POND BROOK AT WAVERLEY



DRAINAGE AREA, 2.58 Sq Km

DEC

AUG

APR

JAN

10

M3/S

0.10

0.01

SHUBENACADIE RIVER AT LAKE THOMAS

STATION NO. 01DG007

(PRELIMINARY) DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							.866 E	1.11 E	1.98	.795 E	.766	5.01	1
2							.793 E	1.01 E	2.39	.750 E	.753	4.89	2
3							.726 E	.950	2.34	.773	.733	4.72	3
4							.780	.919	2.28	.773	.726	4.40	4
5							.773	.859	2.27	.780	.950 E	4.06	5
6							.773	1.11 E	2.14	.786	1.30 E	3.77	6
7							.720	1.35	2.04	.793	1.88	4.93	7
8						4.61	.690	1.70	1.92	.745	2.38	6.75	8
9						4.35	.678 E	1.87	1.76	.705	2.54	5.06	9
10						4.03 E	.666 E	2.05	1.59	.675	2.61	5.00 E	10
11		4.11				3.87 E	.650	2.06	1.44	.639	6.45 E	4.85 E	11
12						3.71 E	.587	2.02	1.36	.612	6.65	4.78	12
13					2.88	3.53	.600	1.16	1.36	.592	6.00	4.35	13
14		4.03				3.31	.602 E	2.40	1.20	.844	5.47	5.00	14
15						3.34	.597	2.69	1.01	1.10 E	5.57	6.08	15
16						3.11	.587 E	2.80	1.00	1.08 E	5.40	7.57	16
17			9.13			2.80	.577 E	2.73	1.11	1.06 E	10.2	7.95 E	17
18						2.53	.567 E	2.57	1.29	1.02 E	13.4	7.90	18
19					5.71	2.40	.513 E	2.43	1.54	.997	13.0	7.65	19
20						2.30	.487	2.66 E	1.49	.958	12.5	6.80	20
21						2.06	.572	2.79 E	1.38	.912	11.9	5.85	21
22						1.93	.597	1.80	1.41	.880 E	10.2	5.06	22
23			11.8			1.82	.866 E	1.66	1.35	.825	9.35	4.93	23
24						1.69	1.20 E	1.52	1.25	.766	8.26	4.70	24
25						1.59 E	1.50	1.41	1.20	.896	8.90	4.55	25
26						1.49 E	1.58	1.29	1.13	.927	8.00	4.40	26
27						1.41	1.56	1.20	1.03	.934	7.00	4.27	27
28						1.15	1.51	1.11 E	.958	.927	5.64	4.15	28
29						1.05	1.40	1.06	.889	.900	5.32	4.33	29
30						.973	1.29	.981	.837	.865	5.23	5.57	30
31							1.20 E	.934		.808		7.00	31
TOTAL							26.507	53.203	44.944	26.117	179.078	166.33	TOTAL
MEAN						2.57	.855	1.72	1.50	.842	5.97	5.37	MEAN
DAM3							2290	4600	3880	2260	15500	14400	DAM3
MAX							1.58	2.80	2.39	1.10	13.4	7.95	MAX
MIN							.487	.859	.837	.592	.726	3.77	MIN

E-ESTIMATED

MAXIMUM INSTANTANEOUS DISCHARGE,

M3/S AT

ON

SHUBENACADIE RIVER AT LAKE THOMAS

STATION NO. 01D6007

(PRELIMINARY) DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.60 E	8.07	9.68										1
2	6.10 E	7.40 B	9.83										2
3	5.73	5.58 B	8.80 E										3
4	5.34	4.95 E	7.80 E										4
5	4.89	8.10 E	7.33										5
6	4.78	10.9	6.55 E										6
7	6.02 E	12.0	5.97										7
8	5.90 E	11.8	5.39										8
9	5.54	10.7	4.93										9
10	5.63	8.97	4.60 E										10
11	9.11	8.80 E	4.35 E										11
12	12.0	6.40 E	4.16										12
13	12.9	5.71	3.71										13
14	11.7 E	5.69	3.57										14
15	10.2 E	5.46	5.17										15
16	9.24	5.64	12.1										16
17	7.83	5.78											17
18	6.58	5.60 E											18
19	5.78	5.35 E											19
20	5.00 B	5.17											20
21	4.50 E	5.06											21
22	4.20 E	4.86											22
23	3.97	4.49											23
24	3.73	4.24											24
25	4.54	8.60 E											25
26	6.24	8.40 E											26
27	6.69	7.90											27
28	7.00 E	7.98											28
29	6.80 E	8.78											29
30	6.43												30
31	5.75												31
TOTAL	206.72	208.38											TOTAL
MEAN	6.67	7.19											MEAN
DAM3	17900	18000											DAM3
MAX	12.9	12.0											MAX
MIN	3.73	4.24											MIN

B-ICE CONDITIONS
 E-ESTIMATED

MAXIMUM INSTANTANEOUS DISCHARGE, M3/S AT ON

POWDER MILL LAKE BROOK NEAR WAVERLEY

STATION NO. 01DG017

(PRELIMINARY) DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							.286 E	.186 E	.364	.178 E	.165	1.21	1
2							.258 E	.180	.436	.174 E	.165	1.12	2
3							.244 E	.188	.377	.192	.162	1.06	3
4							.239	.184	.315	.188	.157	1.00	4
5							.225	.180	.258	.188	.215 E	.959	5
6							.222	.286 E	.220	.190	.300 E	.919	6
7							.239	.443	.232	.196	.413	1.09	7
8						1.01	.232	.429	.244	.201	.440	.767	8
9						.959 E	.227 E	.372	.258	.182	.433	1.12	9
10						.909 E	.225 E	.364	.272 E	.168 E	.410	.945 E	10
11		.979				.861 E	.220	.371	.286 E	.161	.990 E	.880 B	11
12				1.53		.813 E	.202	.361	.294	.157	1.34	.910 B	12
13					.771	.771	.211	.377	.339	.155	1.02	.959	13
14		.979				.739	.209 E	.393 E	.297	.230	.776	1.15	14
15						.744	.209	.400	.275	.246 E	.757	1.34	15
16			1.44			.703	.188 E	.400	.250	.233 E	.744	1.42	16
17						.679	.178 E	.380	.258	.220	1.48	1.38	17
18						.651 E	.172	.346	.266	.205	1.64	1.22	18
19						.610 E	.149	.342	.275	.198	1.57	1.13	19
20						.591	.159	.315 E	.269	.194	1.52	1.07	20
21						.556	.157	.286 E	.264	.190	1.47	1.04	21
22						.522	.172	.266	.252	.184	1.63	1.00	22
23			1.62			.496	.209	.247	.280	.178	1.62	.975	23
24						.467	.258	.247	.264	.173	1.54	.960	24
25						.443 E	.303	.230	.244 E	.202	1.45	.945	25
26						.410 E	.250	.198 E	.234	.190	1.37	.935	26
27						.374	.227	.188 E	.191	.188	1.30	.930	27
28						.342	.211	.178 E	.209	.188	1.25	.925	28
29						.330	.196	.173	.198	.183	1.20	1.10	29
30						.306	.194	.162	.184	.176	1.22	1.36	30
31							.190 E	.155		.169		1.20	31
TOTAL							6.661	8.827	8.105	5.877	28.747	33.019	TOTAL
MEAN							.215	.285	.270	.190	.958	1.07	MEAN
DAM3						576		763	700	508	2480	2850	DAM3
MAX						.303	.443	.436	.436	.246	1.64	1.42	MAX
MIN						.149	.155	.155	.184	.155	.157	.767	MIN

B-ICE CONDITIONS
 E-ESTIMATED

MAXIMUM INSTANTANEOUS DISCHARGE,

M3/S AT

ON

WATER SURVEY OF CANADA
 APR 06 1984 PAGE 6
 HALIFAX, N.S.

POWDER MILL LAKE BROOK NEAR WAVERLEY

STATION NO. 01DG017

(PRELIMINARY) DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1													1
2	1.18	1.74	1.70										2
3	1.17 E	1.84	1.63										3
4	1.15	1.54	1.56 E										4
5	1.10	1.50 E	1.49 E										5
6	1.08	1.70 E	1.44										6
7	1.09	1.97	1.40 B										7
8	1.23 E	1.94	1.35 B										8
9	1.21 E	1.86	1.29 B										9
10	1.18	1.76	1.28 B										10
11	1.14	1.69	1.24 B										11
12	1.67	1.67 E	1.18 B										12
13	2.04	1.60 E	1.15 B										13
14	1.91	1.54	1.11										14
15	1.83 E	1.49	1.08										15
16	1.76	1.43	1.43										16
17	1.70	1.47	2.36										17
18	1.63	1.45											18
19	1.57	1.37 E											19
20	1.50	1.27 E											20
21	1.44	1.23											21
22	1.34 E	1.24											22
23	1.25 E	1.20											23
24	1.18	1.16											24
25	1.14	1.16											25
26	1.14	1.11											26
27	1.28	1.52 E											27
28	1.66	1.50 E											28
29	1.52	1.45											29
30	1.55 E	1.37											30
31	1.46 E	1.53											31
31	1.37												31
31	1.30												31
TOTAL	43.63	43.94											TOTAL
MEAN	1.41	1.52											MEAN
DAM3	3770	3800											DAM3
MAX	2.04	1.97											MAX
MIN	1.08	1.11											MIN

B-ICE CONDITIONS
 E-ESTIMATED

MAXIMUM INSTANTANEOUS DISCHARGE,

M3/S AT

ON

WATER SURVEY OF CANADA
 APR 04 1984 PAGE 9
 HALIFAX, N.S.

SHUBENACADIE RIVER AT OUTLET OF LAKE WILLIAM

STATION NO. 01DG035

(PRELIMINARY) DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY		
1						.574	E	.638	E	.836	.400	E	.365	3.21	1
2						.543	E	.568	E	1.03	.382	E	.334	3.04	2
3						.512	E	.543	E	1.05	.430	E	.354	2.90	3
4						.488	E	.506	E	1.07	.407	E	.334	2.65	4
5						.446	E	.458	E	1.08	.375	E	.400	2.49	5
6						.407	E	.671	E	1.09	.407	E	.620	2.43	6
7						.418	E	.784	E	1.01	.418	E	.859	2.76	7
8						3.07	E	1.25	E	.929	.385	E	1.16	2.50	8
9						2.87	E	1.36	E	.890	.360	E	1.28	2.93	9
10						2.73	E	1.45	E	.851	.342	E	1.34	2.74	10
11		2.87				2.59	E	1.45	E	.776	.319	E	4.20	2.50	11
12						2.46	E	1.36	E	.718	.304	E	4.42	2.80	12
13					1.96	2.37	E	1.46	E	.678	.294	E	3.65	2.49	13
14						2.19	E	1.66	E	.645	.464	E	3.04	2.81	14
15		2.59				2.08	E	1.77	E	.593	.559	E	3.07	4.10	15
16			4.69			1.89	E	1.80	E	.543	.533	E	2.90	3.74	16
17						1.75	E	1.68	E	.512	.512	E	4.69	3.46	17
18						1.56	E	1.51	E	.574	.488	E	6.87	3.30	18
19						1.46	E	1.39	E	.587	.458	E	6.00	3.83	19
20					3.34	1.37	E	1.18	E	.587	.430	E	5.25	3.62	20
21						1.24	E	1.01	E	.574	.407	E	4.93	3.09	21
22						1.17	E	.929	E	.600	.380	E	4.62	2.86	22
23						1.14	E	.867	E	.612	.362	E	4.59	2.82	23
24					5.39	1.04	E	.791	E	.587	.344	E	4.39	3.78	24
25						.929	E	.691	E	.562	.424	E	4.60	2.73	25
26						.851	E	.638	E	.543	.396	E	4.25	2.70	26
27						.799	E	.606	E	.506	.418	E	3.80	2.68	27
28						.711	E	.574	E	.488	.418	E	3.47	2.65	28
29						.671	E	.543	E	.441	.385	E	3.26	2.76	29
30						.606	E	.482	E	.418	.362	E	3.51	3.44	30
31						.704	E	.470	E		.365	E		4.00	31
TOTAL							15.577	31.089	21.430	12.528	92.376	93.81	TOTAL		
MEAN							.502	1.00	.714	.404	3.08	3.03	MEAN		
DAM3						1350	2690	1850	1080	7980	8110		DAM3		
MAX							.977	1.80	1.09	.559	6.87	4.10	MAX		
MIN							.253	.458	.418	.294	.334	2.43	MIN		

B-ICE CONDITIONS
 E-ESTIMATED

MAXIMUM INSTANTANEOUS DISCHARGE,

M3/S AT

ON

SHUBENACADIE RIVER AT OUTLET OF LAKE WILLIAM

STATION NO. 01DG035

(PRELIMINARY) DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.90 E	3.91	4.39										1
2	3.68 E	3.80 B	4.49										2
3	3.47	3.40 B	4.20										3
4	3.18	3.10 E	3.95 E										4
5	2.98	3.55 E	3.83										5
6	2.76	4.55	3.40 B										6
7	3.30 E	5.07	3.15 B										7
8	3.25 E	4.54	2.90 B										8
9	3.15	4.38	2.70 B										9
10	3.21	4.01	2.50 B										10
11	3.91	3.75 E	2.35 B										11
12	5.64	3.50 E	2.20 B										12
13	6.00	3.29	2.04										13
14	5.35 E	3.32	2.14										14
15	4.82 E	3.18	2.56										15
16	4.42	3.25 E	5.76										16
17	4.01	3.22											17
18	3.72 B	3.18 E											18
19	3.50	3.05 E											19
20	3.32	2.97											20
21	3.10 E	2.84											21
22	2.85 E	2.74											22
23	2.70	2.58											23
24	2.36	2.46											24
25	2.70	4.25 E											25
26	3.47	4.00 E											26
27	3.67	3.76											27
28	3.72	3.77											28
29	3.60 E	3.91											29
30	3.38												30
31	3.28												31
TOTAL	112.40	103.43											TOTAL
MEAN	3.63	3.57											MEAN
DAM3	9710	8940											DAM3
MAX	6.00	5.07											MAX
MIN	2.36	2.46											MIN

B-ICE CONDITIONS
 E-ESTIMATED

MAXIMUM INSTANTANEOUS DISCHARGE,

M3/S AT

ON

MUDDY POND BROOK AT WAVERLEY

STATION NO. 01DG041

(PRELIMINARY) DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							.028 E	.005 E	.134	.006 E	.012	.071	1
2							.019 E	.003	.076	.017 E	.011	.053	2
3							.010 E	.003	.055 E	.014	.011	.048 E	3
4							.007	.002	.034 E	.009	.010	.043 E	4
5							.005	.001	.023 E	.013	.030 E	.041	5
6							.002	.015 E	.010	.013	.140 E	.039	6
7							.002	.048	.009 E	.007	.099	.090	7
8						.061	.002	.043	.008 E	.006 E	.074	.280	8
9						.052 E	.002 E	.040	.007 E	.005 E	.056	.080	9
10						.042 E	.002 E	.027	.006 E	.004 E	.057	.044 E	10
11		.050				.034 E	.002	.018	.006 E	.003	.110 E	.070 E	11
12					.114	.028 E	.004	.005	.005	.006	.127 E	.054	12
13					.016	.022 E	.001	.010 E	.004	.005 E	.102 E	.048	13
14		.045				.069	.001 E	.019 E	.003	.039	.088	.106	14
15						.137	.001	.029	.001	.033 E	.071	.123	15
16			.097			.040	.001 E	.033	.068	.024 E	.059	.129	16
17						.003	.001 E	.024	.055 E	.019	.455	.090	17
18						.010	.001 E	.018	.013	.017	.193	.081 E	18
19						.011 E	.001	.017	.008	.018	.130 E	.073	19
20						.011	.001	.013 E	.013	.015	.090 E	.066	20
21						.023	.004	.010 E	.015	.013	.078	.059	21
22						.017	.005	.007	.014	.012 E	.106	.055	22
23						.013	.011 E	.007	.018	.010 E	.093	.054 E	23
24			.144			.007	.020 E	.001	.017 E	.010	.073	.053 E	24
25						.007 E	.030	.002	.016 E	.019	.069 E	.052 E	25
26						.006 E	.022	.002 E	.015	.018	.113 E	.052 E	26
27						.006	.016	.002 E	.009	.025	.073 E	.051 E	27
28						.004	.012	.002 E	.014	.019	.054	.051 E	28
29						.002	.008	.002	.011	.016 E	.050	.077	29
30						.039	.007 E	.001	.008	.013	.068	.138	30
31							.005 E	.001		.012 E		.130 E	31
TOTAL							.233	.410	.675	.440	2.702	2.401	TOTAL
MEAN						0.028	.008	.013	.023	.014	.090	.077	MEAN
DAM3							20.1	35.4	58.3	38.0	233	207	DAM3
MAX							.030	.048	.134	.039	.455	.280	MAX
MIN							.001	.001	.001	.003	.010	.039	MIN

E-ESTIMATED

MAXIMUM INSTANTANEOUS DISCHARGE,

M3/S AT

ON

WATER SURVEY OF CANADA
 APR 06 1984 PAGE 6
 HALIFAX, N.S.

MUDDY POND BROOK AT WAVERLEY

STATION NO. 01DG041

(PRELIMINARY) DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	.103 E	.157	.134										1
2	.082 E	.100	.108										2
3	.069	.082	.094 E										3
4	.057	.067 E	.080 E										4
5	.056	.090 E	.067										5
6	.063	.191	.063 B										6
7	.102 E	.168	.060 B										7
8	.090 E	.104	.057 B										8
9	.082	.086	.055										9
10	.072	.071	.052 B										10
11	.280	.086 E	.050 B										11
12	.329	.084 E	.049 B										12
13	.149	.076	.047										13
14	.110 E	.074	.046										14
15	.085 E	.069	.189										15
16	.076	.087	.500										16
17	.068	.087											17
18	.057	.080 E											18
19	.054	.070 E											19
20	.052	.064											20
21	.049 E	.071											21
22	.045 E	.068											22
23	.043	.061											23
24	.038	.056											24
25	.079	.160 E											25
26	.177	.135 E											26
27	.108	.113											27
28	.126 E	.095											28
29	.092 E	.115											29
30	.071												30
31	.060												31
TOTAL	2.924	2.767											TOTAL
MEAN	.094	.095											MEAN
DAM3	253	239											DAM3
MAX	.329	.191											MAX
MIN	.038	.056											MIN

B-ICE CONDITIONS
 E-ESTIMATED

MAXIMUM INSTANTANEOUS DISCHARGE,

M3/S AT

ON

APPENDIX C

1. SUMMARY
STUDY PERIOD JUNE, 1983
TO MARCH, 1984

SUMMARY

PERIOD JUNE, 1983 TO MARCH, 1984

MONTHLY MEAN DISCHARGES IN CUBIC METRES PER SECOND

Station No.	June	July	↓ August	September	October	↓ November	December	January	February	March	April 83
01DG007 <i>Thomas - Fletch</i> *	2.57	.855	1.72	1.50	.842	5.97	5.32	6.67	7.19	*	5.71
01DG017 <i>Powder Mill Wilson</i> *		.215	.285	.270	.190 <i>6.6 m³ c/s</i>	.958	1.07	1.41	1.52	*	1.53 <i>53 c/s</i>
01DG035 <i>Willie Thomas</i> *		.502	1.00	.714	.404	3.08	3.03	3.63	3.57	*	3.3
01DG041 <i>Mandy P Thomas</i> *	.028	.008	.013	.023	.014	.090	.077	.094	.095	*	0.114

* - PARTIAL RECORD

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