

INTERNATIONAL BIOLOGICAL PROGRAM
EASTERN DECIDUOUS FOREST BIOME
LAKE GEORGE SITE

PARTIAL DISCHARGE FROM SELECTED
STREAMS - I

by

Emilio M. Colon
and
Nicholas L. Clesceri

Hydrologic Studies
Report No. 71-1
June 1971

Rensselaer Polytechnic Institute
Lake George Water Research Center
Troy, N.Y. 12181

Support for this study was supplied in part by the Eastern Deciduous Forest Biome Project, International Biological Program under a subcontract with Union Carbide Corporation-Nuclear Division

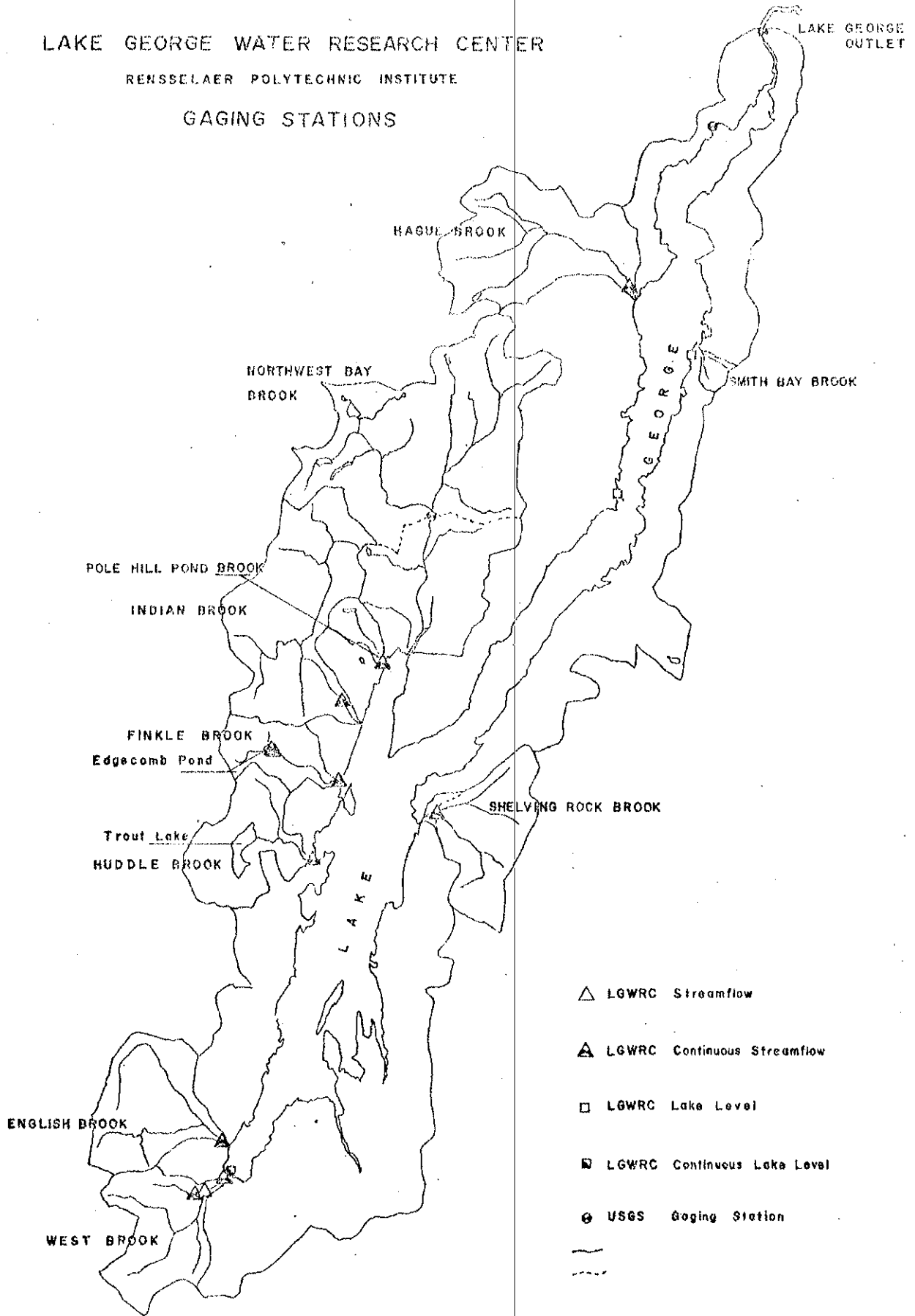
As a major requirement for the study of the nutrient balance from a number of streams within the Lake George Basin, partial instantaneous stream discharge needs to be known at the time of sampling. As part of the I.B.P. effort at Lake George, the Hydrologic Studies Group is providing needed stream discharge for the terrestrial studies of the watershed.

This report puts together instantaneous stream discharge as requested by the Terrestrial Nutrient Group. The enclosed map shows the location of the major streams flowing into Lake George.

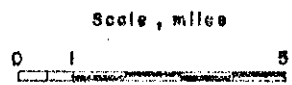
LAKE GEORGE WATER RESEARCH CENTER

RENSSELAER POLYTECHNIC INSTITUTE

GAGING STATIONS



- △ LGWRC Streamflow
- ▲ LGWRC Continuous Streamflow
- LGWRC Lake Level
- LGWRC Continuous Lake Level
- ⊕ USGS Gaging Station



ENGLISH BROOK, LAKE GEORGE, N.Y.

Date	Time	Gage Height Ft.	Discharge c.f.s.
11-12-70	1025	0.70	4.8
11-25	1120	0.97	15.7
12-11	0940.	0.84	9.3
12-23	1230	0.92	12.9
1-8-71	1130	1.20	34.3
2-17	1135	1.16	30.3
3-9	1345	0.90	11.9
3-19	1100	1.00	17.6
4-2	1120	1.00	17.6
4-15	1145	1.42	63.6
4-29	1200	1.62	93.0
5-14	1145	0.92	12.9
6-1	1145	0.62	3.0
6-10	1205	0.56	2.1

FINKLE BROOK, LAKE GEORGE, N.Y.

Date	Time	Gage Height Ft.	Discharge c.f.s.
12-10-70	1108	0.50	2.0
12-22	1200	0.45	1.4
1-7-71	1205	0.46	1.5
2-17	1035	0.56	3.0
3-9	1225	0.60	3.8
3-23	1155	0.61	4.0
4-1	1135	0.59	3.6
4-16	1220	1.10	31.9
4-30	1105	1.11	33.0
5-19	1110	0.60	3.8
6-3	1115	0.47	1.6
6-11	1120	0.35	0.6

HAGUE BROOK, LAKE GEORGE, N.Y.

Date	Time	Gage Height Ft.	Discharge c.f.s.
7-28-70	1430.	0.33	2.3
8-3	1100	0.35	2.6
8-11	1050	0.31	2.0
8-20	1130	0.32	2.1
8-25	1020	0.35	2.6
9-17	1115	0.35	2.6
9-25	1028	0.35	2.8
10-1	1102	0.36	2.8
10-8	1115	0.37	3.0
10-15	1040	0.44	4.6
11-13	1025	0.44	4.6
11-24	1013	0.75	17.0
12-10	0958	0.84	22.5
1-7-71	1045	0.80	20.0
2-4	1045	0.46	5.2
2-18	1107	0.70	14.5
3-9	1105	0.88	25.2
3-23	1045	0.85	23.0
4-1	1015	0.68	13.5
4-16	0955	1.26	60.0
4-30	1010	1.26	60.0
5-19	1015	0.66	11.7
6-3	1025	0.58	8.4
6-11	1030	0.50	5.8

HUDDLE BROOK, LAKE GEORGE, N.Y.

Date	Time	Gage Height Ft.	Discharge c.f.s.	
7-30-70	1215.			
8-3				
8-11				
8-21				
9-18				
9-25	1010	1.78	0.4	
10-2	1120	1.78	0.4	
10-9	1030	1.78	0.4	
10-16	1030	1.86	1.2	
11-13	1100	1.80	0.6	
11-27	1045	1.85	1.0	
12-10	1127	1.98	4.1	
12-22	1225	2.48	-	Frozen
1-7-71	1235	1.94	4.4	
2-17	1104	2.22	16.5	
3-9	1305	-	-	Frozen
3-23	1215	2.02	6.6	
4-1	1200	1.98	4.1	
4-16	1145	2.56	40.9	
4-30	1120	2.54	38.5	
5-19	1230	2.12	10.3	
6-3	1130	1.92	3.9	
6-11	1140	1.88	2.9	

POLE HILL POND BROOK, LAKE GEORGE, N.Y.

Date	Time	Gage Height Ft.	Discharge c.f.s
8-1-70	1150	0.56	0.1
8-15	0908	0.46	0.0
8-22	0915	0.50	0.0 (0.02)
8-29	0823	0.56	0.1
9-10	0940	0.57	0.1
9-17	1000	0.60	0.2
9-24	0925	0.66	0.2
10-1	0950	0.69	0.3
10-8	1008	0.72	0.4
10-15	0947	0.82	0.6
11-12	0934	0.81	0.6
11-24	0923	1.16	3.0
12-10	0920	0.96	1.2
12-22	1016	0.96	1.2
2-4-71	1200	0.74	0.4
2-18	1235	0.95	1.2
3-9	1210	0.98	1.4
3-23	1130	1.02	1.7
4-1	1105	0.97	1.3
4-30	1045	1.29	5.0
5-19	1055	0.87	0.8
6-3	1100	0.72	0.3
6-11	1100	0.64	0.2

WEST BROOK, LAKE GEORGE, N.Y.

Date	Time	Gage Height Ft.	Discharge c.f.s.
7-29-70	1130	0.35	5.2
8-4	1010	0.35	5.2
8-10	1220	0.34	4.9
8-19	1040	0.34	5.1
9-17	0950	0.41	7.7
9-24	1010	0.36	5.7
10-1	0930	0.35	5.2
10-8	0950	0.36	5.7
10-15	1035	0.35	5.2
11-12	1030	0.36	5.7
11-25	1110	0.38	6.4
12-11	1105	0.40	7.2
12-23	1150	0.36	5.7
1-8 -71	0825	0.36	5.7
2-3	1230	0.32	4.2
2-19	1140	0.38	6.4
3-3	1212	0.48	11.3
3-19	1140	0.52	13.2
4-2	1050	0.50	12.3
4-15	1102	1.14	54.7
4-29	1055	1.18	58.5
5-14	1110	0.80	27.5
6-1	1105	0.59	15.2
6-10	1120	0.50	11.0