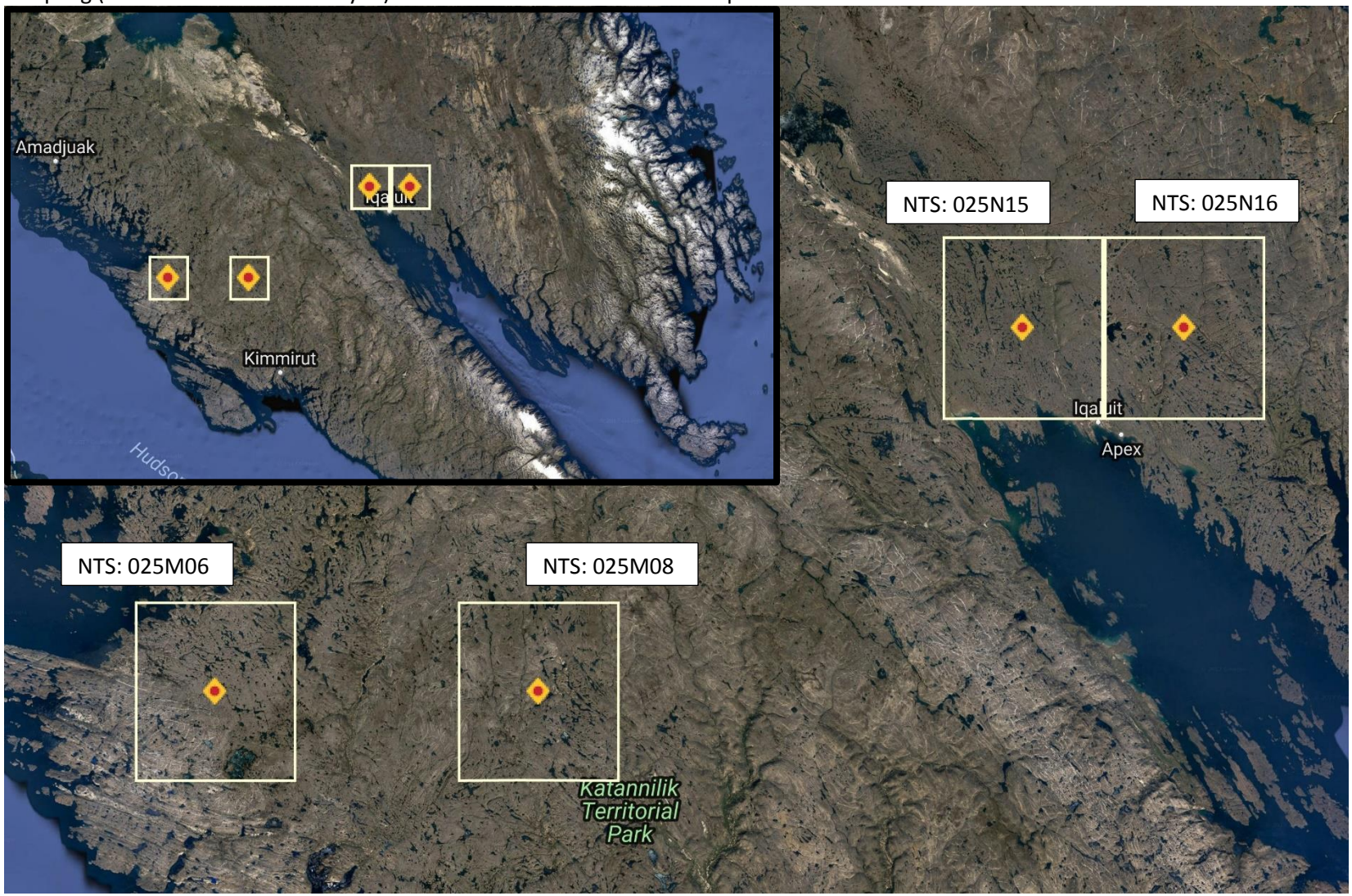
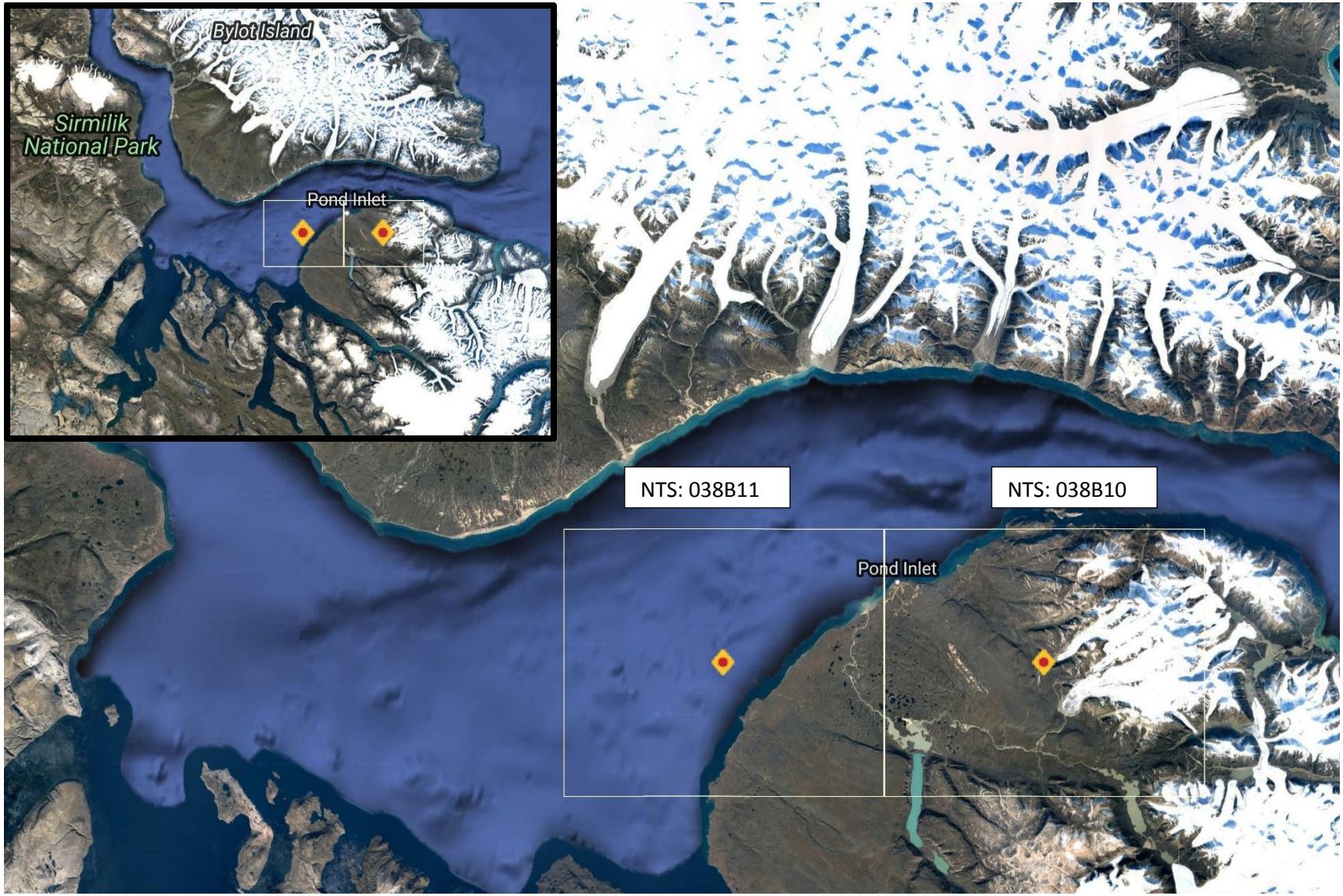
Map of study sites

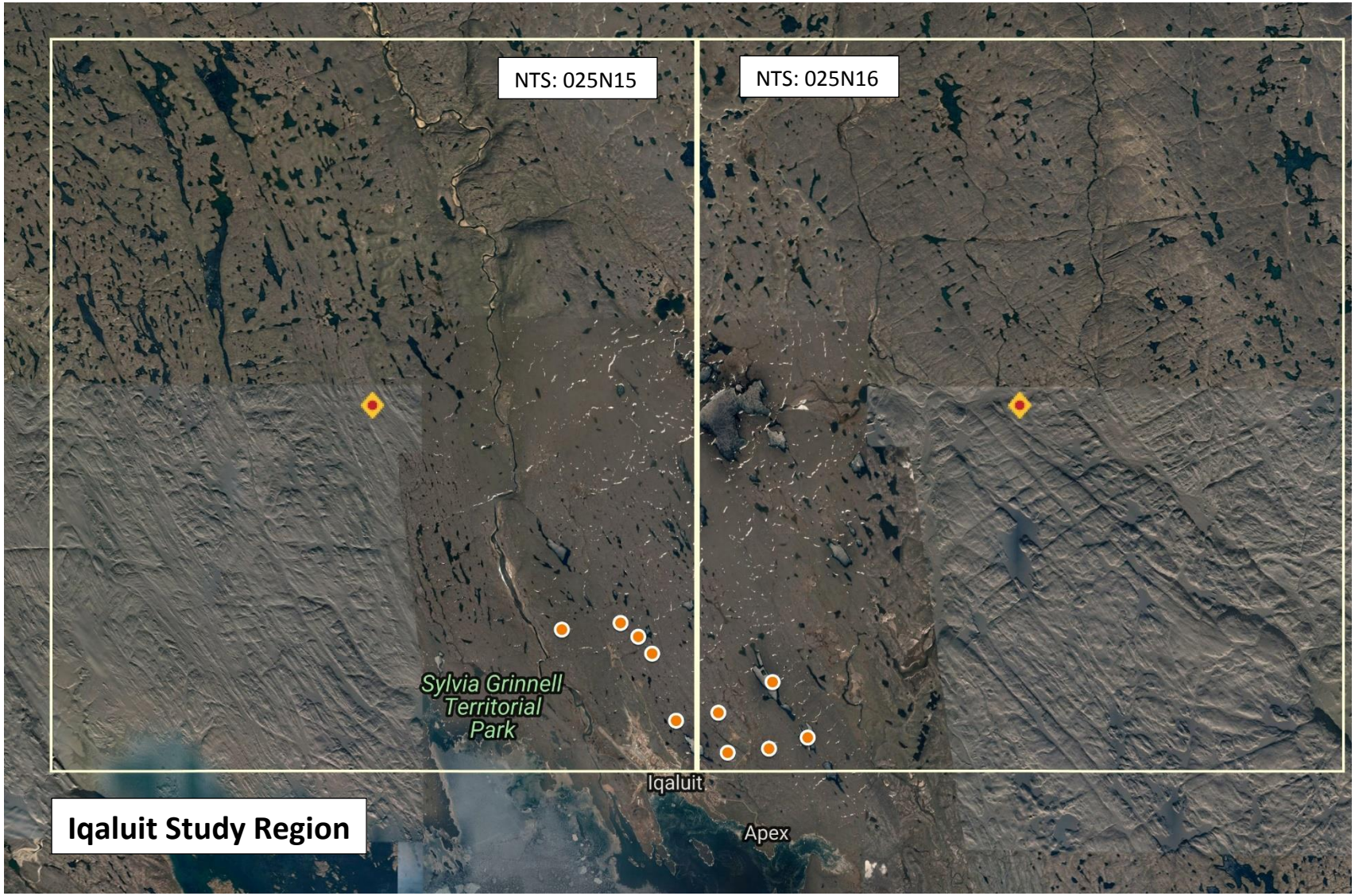
The study area on southern Baffin Island encompasses four NTS grids (as shown); 25 lakes were randomly selected in each grid for water sampling (250 mL for chemical analysis). All lakes are outside of territorial parks and Inuit Owed Land.



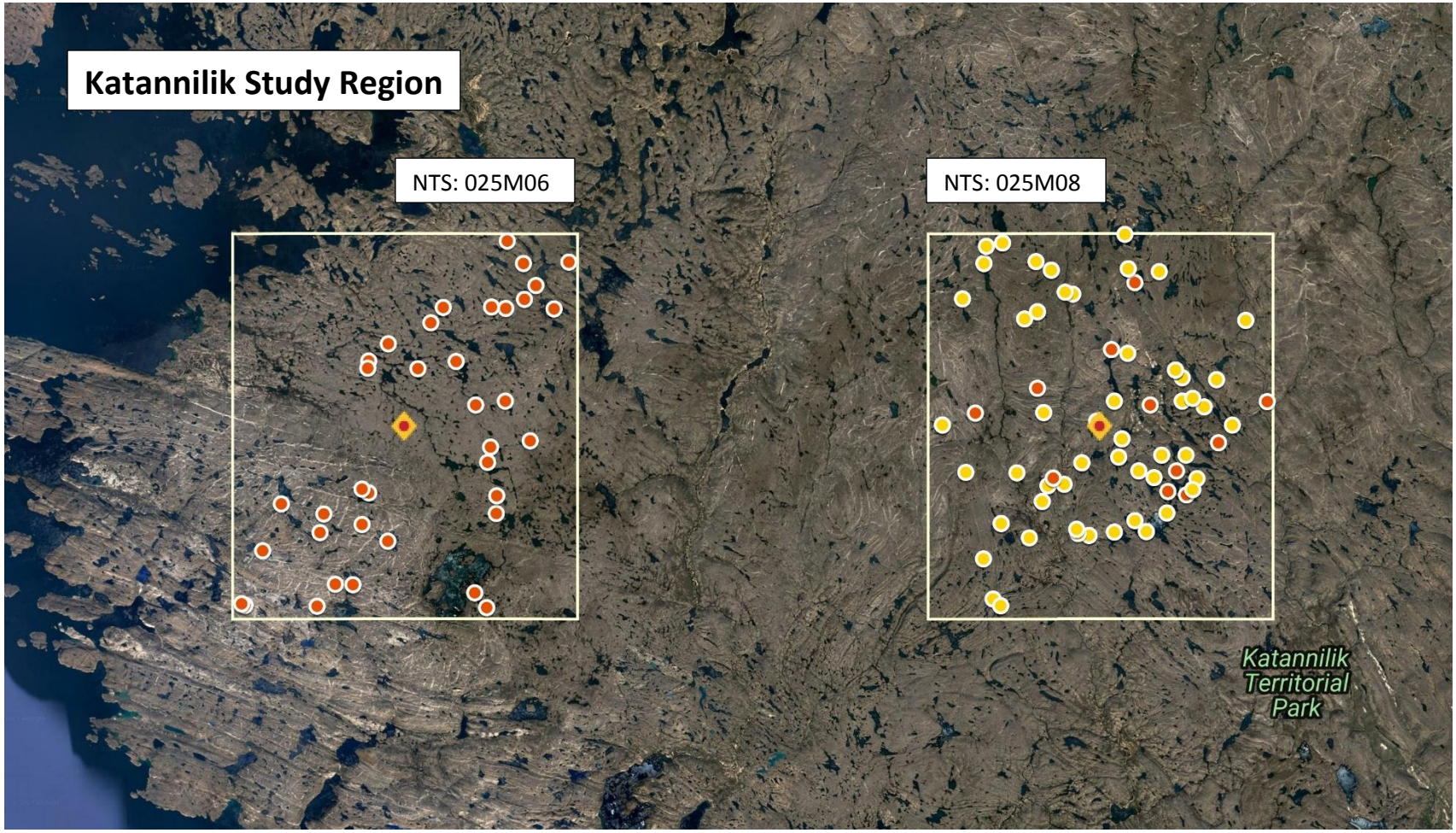
Map 1. Location of study areas on southern Baffin Island.



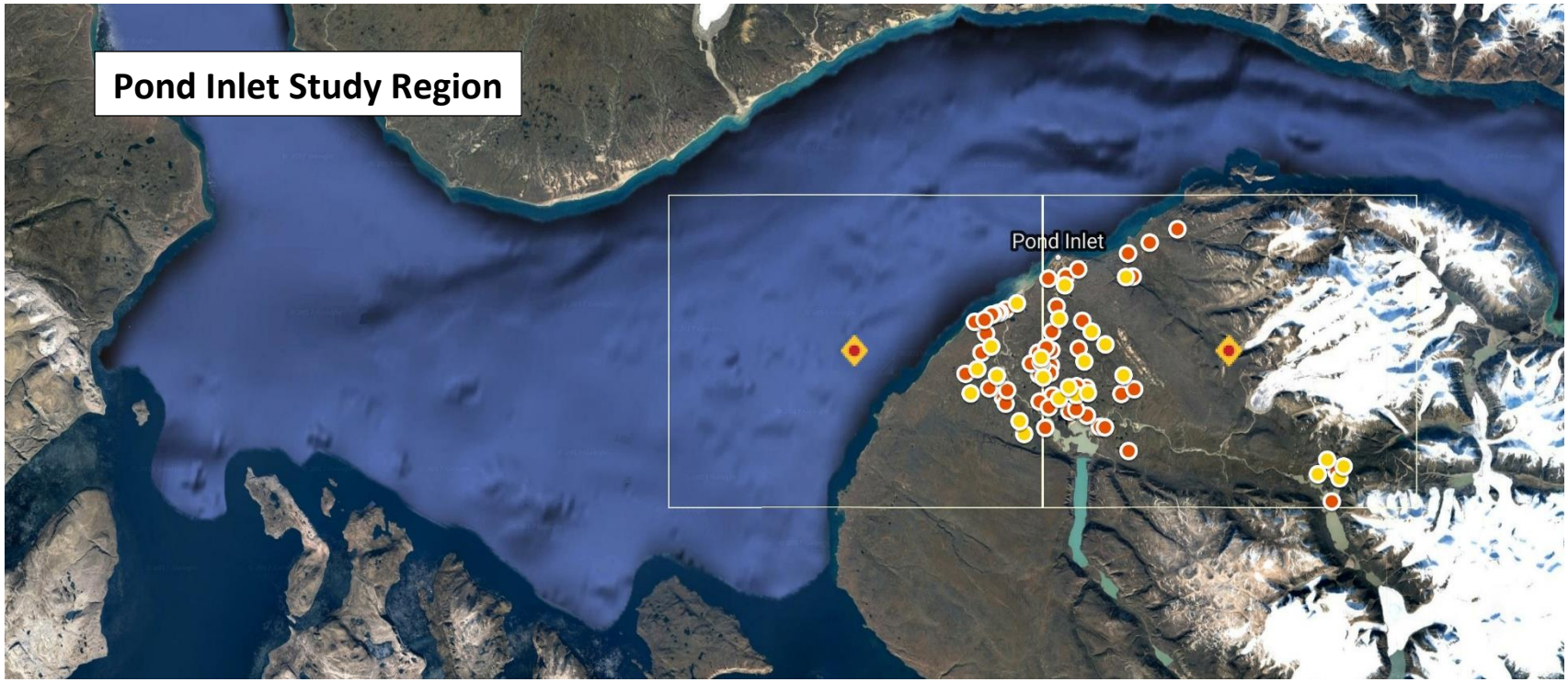
Map 2. Location of the study area on northern Baffin Island.



Map 3. Location of lakes selected for sampling in Iqaluit (5 lakes were selected in each NTS grid).



Map 4. Location of lakes selected for sampling in around Katannilik (25 lakes were selected in each NTS grid). Back-up lakes in NTS 025M08 are also shown (yellow). These lakes will be sampled if NTS 025M06 is too far for efficient air sampling.



Map 4. Location of lakes selected for sampling in around Pond Inlet (A total 50 lakes were selected both NTS grids). Back up lakes are shown in yellow (a total of 25).

Iqaluit Study Region				
No.	**ID**	**NTS Grid**	**Latitude**	**Longitude**
1	IQ49	025N16	63.7809	-68.4417
2	IQ-15	025N16	63.7620	-68.4146
3	IQ_14	025N16	63.7582	-68.4444
4	IQ_24	025N15	63.8011	-68.5593
5	IQ_34	025N15	63.7989	-68.6045
6	IQ_20	025N15	63.7964	-68.5453
7	IQ_12	025N16	63.7568	-68.4763
8	IQ_52	025N16	63.7705	-68.4835
9	IQ_45	025N15	63.7678	-68.5163
10	IQ_23	025N15	63.7907	-68.5348

Pond Inlet Study Region					
No.	**ID**	**NTS Grid**	**Latitude**	**Longitude**	**Backup = y**
1	PI_1	38B10	72.59046	-77.97379	n
2	PI_2	38B10	72.50541	-77.22835	n
3	PI_3	38B11	72.63947	-78.15142	n
4	PI_4	38B11	72.58518	-78.00879	n
5	PI_5	38B10	72.57751	-77.92908	n
6	PI_6	38B11	72.62448	-78.16321	n
7	PI_7	38B11	72.65879	-78.09918	n
8	PI_8	38B10	72.58101	-77.98327	n
9	PI_9	38B10	72.54579	-77.77094	n
10	PI_10	38B11	72.58822	-78.10595	n
11	PI_11	38B10	72.61403	-77.97854	n
12	PI_12	38B11	72.62455	-78.01235	n
13	PI_13	38B10	72.60824	-77.98156	n
14	PI_14	38B10	72.52953	-77.21653	n
15	PI_15	38B11	72.58390	-78.09947	n
16	PI_16	38B10	72.68346	-77.98517	n
17	PI_17	38B10	72.62752	-77.90452	n
18	PI_18	38B10	72.68483	-77.76004	n
19	PI_19	38B11	72.65643	-78.11452	n
20	PI_20	38B10	72.64982	-77.89506	n
21	PI_21	38B10	72.59150	-77.79072	n
22	PI_22	38B10	72.56420	-77.99269	n
23	PI_23	38B10	72.68515	-77.93886	n
24	PI_24	38B10	72.59525	-77.75600	n
25	PI_25	38B11	72.60664	-78.01027	n
26	PI_26	38B11	72.60760	-78.20613	n
27	PI_27	38B10	72.71192	-77.71443	n
28	PI_28	38B10	72.70324	-77.77261	n
29	PI_29	38B10	72.59635	-77.88309	n
30	PI_30	38B10	72.62656	-77.97707	n
31	PI_31	38B10	72.56502	-77.84817	n

32	PI_32	38B11	72.61384	-78.00155	n
33	PI_33	38B11	72.59435	-78.09485	n
34	PI_34	38B10	72.59782	-77.90973	n
35	PI_35	38B11	72.65582	-78.12118	n
36	PI_36	38B11	72.65478	-78.13175	n
37	PI_37	38B11	72.65395	-78.13958	n
38	PI_38	38B10	72.64103	-77.97497	n
39	PI_39	38B10	72.57442	-77.88205	n
40	PI_40	38B10	72.66118	-77.96302	n
41	PI_41	38B11	72.59585	-78.14273	n
42	PI_42	38B10	72.62834	-77.99063	n
43	PI_43	38B11	72.65450	-78.13661	n
44	PI_44	38B10	72.57919	-77.91153	n
45	PI_45	38B11	72.61562	-78.03166	n
46	PI_46	38B11	72.64892	-78.18137	n
47	PI_47	38B10	72.72239	-77.64085	n
48	PI_48	38B10	72.69054	-77.90528	n
49	PI_49	38B11	72.65078	-78.15529	n
50	PI_50	38B10	72.56468	-77.83415	n
51	PI_51	38B10	72.52413	-77.20843	**y**
52	PI_52	38B11	72.59049	-77.91107	**y**
53	PI_53	38B11	72.61686	-78.00510	**y**
54	PI_54	38B10	72.65142	-77.95571	**y**
55	PI_55	38B11	72.60591	-78.12233	**y**
56	PI_56	38B10	72.58787	-77.95599	**y**
57	PI_57	38B11	72.62946	-78.13686	**y**
58	PI_58	38B11	72.66364	-78.06857	**y**
59	PI_59	38B10	72.53334	-77.19723	**y**
60	PI_60	38B11	72.55928	-78.05024	**y**
61	PI_61	38B10	72.53882	-77.24099	**y**
62	PI_62	38B11	72.62015	-78.00479	**y**
63	PI_63	38B10	72.64136	-77.86924	**y**
64	PI_64	38B10	72.68456	-77.77815	**y**
65	PI_65	38B10	72.59238	-77.87991	**y**
66	PI_66	38B11	72.56991	-78.06210	**y**
67	PI_67	38B10	72.67793	-77.94080	**y**
68	PI_68	38B10	72.61722	-77.88949	**y**
69	PI_69	38B10	72.60642	-77.78511	**y**
70	PI_70	38B10	72.52713	-77.26522	**y**
71	PI_71	38B11	72.59188	-78.19213	**y**
72	PI_72	38B11	72.61127	-78.17518	**y**
73	PI_73	38B10	72.60482	-77.99903	**y**
74	PI_74	38B10	72.63073	-77.83245	**y**
75	PI_75	38B10	72.59671	-77.92976	**y**

Katannilik Study Region					
No.	**ID**	**NTS Grid**	**Latitude**	**Longitude**	**Backup = y**
1	KT_1	025M06	63.30136	-71.2747	n
2	KT_2	025M08	63.3673	-70.2191	n
3	KT_3	025M08	63.48006	-70.4172	n
4	KT_4	025M06	63.2731	-71.3245	n
5	KT_5	025M06	63.26787	-71.1498	n
6	KT_6	025M06	63.32533	-71.4273	n
7	KT_7	025M08	63.44885	-70.3408	n
8	KT_8	025M06	63.3187	-71.3665	n
9	KT_9	025M06	63.34663	-70.1408	n
10	KT_10	025M06	63.3324	-71.302	n
11	KT_11	025M08	63.35565	-70.2239	n
12	KT_12	025M06	63.4284	-71.2737	n
13	KT_13	025M08	63.49315	-70.3909	n
14	KT_14	025M08	63.35668	-70.1624	n
15	KT_15	025M06	63.41748	-71.302	n
16	KT_16	025M08	63.3786	-70.2554	n
17	KT_17	025M08	63.31956	-70.1544	n
18	KT_18	025M06	63.49439	-71.1029	n
19	KT_19	025M08	63.33713	-70.3257	n
20	KT_20	025M06	63.41239	-71.2313	n
21	KT_21	025M08	63.47574	-70.3208	n
22	KT_22	025M08	63.35188	-70.2765	n
23	KT_23	025M08	63.39139	-70.2299	n
24	KT_24	025M08	63.39146	-70.1323	n
25	KT_25	025M08	63.31464	-70.2008	n
26	KT_26	025M06	63.36211	-71.1269	n
27	KT_27	025M06	63.31914	-71.1188	n
28	KT_28	025M06	63.33473	-71.3113	n
29	KT_29	025M08	63.32699	-70.3339	n
30	KT_30	025M08	63.34663	-70.1954	n
31	KT_31	025M06	63.33052	-71.1179	n
32	KT_32	025M06	63.25849	-71.1325	n
33	KT_33	025M08	63.38427	-70.3316	n
34	KT_34	025M06	63.45171	-71.1951	n
35	KT_35	025M06	63.27348	-71.35	n
36	KT_36	025M08	63.4767	-70.21	n
37	KT_37	025M08	63.25969	-70.3932	n
38	KT_38	025M08	63.30503	-70.2667	n
39	KT_39	025M06	63.45112	-71.1052	n

40	KT_40	025M06	63.48094	-71.0139	n
41	KT_41	025M08	63.44358	-70.041	n
42	KT_42	025M08	63.37619	-70.4772	n
43	KT_43	025M06	63.25941	-71.3764	n
44	KT_44	025M08	63.41148	-70.1421	n
45	KT_45	025M06	63.36592	-71.0702	n
46	KT_46	025M08	63.30759	-70.1839	n
47	KT_47	025M08	63.31259	-70.3928	n
48	KT_48	025M08	63.30727	-70.2304	n
49	KT_49	025M08	63.33463	-70.1175	n
50	KT_50	025M06	63.29524	-71.4546	n
51	KT_51	025M06	63.45083	-71.0356	**y**
52	KT_52	025M08	63.46757	-70.2009	**y**
53	KT_53	025M06	63.44192	-71.2127	**y**
54	KT_54	025M06	63.46574	-71.0618	**y**
55	KT_55	025M06	63.30667	-71.3722	**y**
56	KT_56	025M06	63.45708	-71.0781	**y**
57	KT_57	025M06	63.47996	-71.0797	**y**
58	KT_58	025M06	63.38901	-71.1484	**y**
59	KT_59	025M06	63.45198	-71.1255	**y**
60	KT_60	025M08	63.38377	-70.4301	**y**
61	KT_61	025M08	63.33129	-70.1265	**y**
62	KT_62	025M06	63.31219	-71.3117	**y**
63	KT_63	025M06	63.41704	-71.176	**y**
64	KT_64	025M08	63.39969	-70.3407	**y**
65	KT_65	025M06	63.35207	-71.1313	**y**
66	KT_66	025M08	63.41276	-71.3033	**y**
67	KT_67	025M08	63.3333	-70.1532	**y**
68	KT_68	025M06	63.25991	-71.4795	**y**
69	KT_69	025M08	63.38903	-70.1785	**y**
70	KT_70	025M08	63.39118	-70.0101	**y**
71	KT_71	025M08	63.3419	-70.3183	**y**
72	KT_72	025M08	63.4246	-70.2345	**y**
73	KT_73	025M06	63.39147	-71.1058	**y**
74	KT_74	025M06	63.26093	-71.4848	**y**
75	KT_75	025M08	63.36462	-70.0808	**y**

Katannilik Study Region Back up lakes

These sites are selected if primary lake is not suitable, i.e., a wetland, or river, or if NTS grid 025M06 is too far for helicopter.

No.	ID	NTS Grid	Latitude	Longitude	Backup = y
1	KT_1	025M08	63.35664	-70.1270	Y
2	KT_2	025M08	63.3673	-70.2191	Y
3	KT_3	025M08	63.48006	-70.4172	Y
4	KT_4	025M08	63.44885	-70.3408	Y
5	KT_5	025M08	63.46027	-70.2900	Y
6	KT_6	025M08	63.40528	-70.0830	Y
7	KT_7	025M08	63.42214	-70.2110	Y
8	KT_8	025M08	63.47465	-70.1658	Y
9	KT_9	025M08	63.35565	-70.2239	Y
10	KT_10	025M08	63.49315	-70.3909	Y
11	KT_11	025M08	63.35668	-70.1624	Y
12	KT_12	025M08	63.3786	-70.2554	Y
13	KT_13	025M08	63.48132	-70.3424	Y
14	KT_14	025M08	63.40669	-70.1323	Y
15	KT_15	025M08	63.3762	-70.0602	Y
16	KT_16	025M08	63.31956	-70.1544	Y
17	KT_17	025M08	63.33713	-70.3257	Y
18	KT_18	025M08	63.47574	-70.3208	Y
19	KT_19	025M08	63.35188	-70.2765	Y
20	KT_20	025M08	63.39139	-70.2299	Y
21	KT_21	025M08	63.39146	-70.1323	Y
22	KT_22	025M08	63.31464	-70.2008	Y
23	KT_23	025M08	63.32699	-70.3339	Y
24	KT_24	025M08	63.34663	-70.1954	Y
25	KT_25	025M08	63.34537	-70.3701	Y
26	KT_26	025M08	63.28976	-70.4183	Y
27	KT_27	025M08	63.33783	-70.3024	Y
28	KT_28	025M08	63.38774	-70.1009	Y
29	KT_29	025M08	63.26394	-70.4042	Y
30	KT_30	025M08	63.49106	-70.4142	Y
31	KT_31	025M08	63.34167	-70.1116	Y
32	KT_33	025M08	63.38427	-70.3316	Y
33	KT_34	025M08	63.4767	-70.2100	Y
34	KT_35	025M08	63.25969	-70.3932	Y
35	KT_36	025M08	63.30503	-70.2667	Y
36	KT_37	025M08	63.44358	-70.0410	Y
37	KT_38	025M08	63.37619	-70.4772	Y
38	KT_39	025M08	63.41148	-70.1421	Y

39	KT_40	025M08	63.30759	-70.1839	Y
40	KT_41	025M08	63.31259	-70.3928	Y
41	KT_42	025M08	63.30727	-70.2304	Y
42	KT_43	025M08	63.33463	-70.1175	Y
43	KT_44	025M08	63.30634	-70.2825	Y
44	KT_45	025M08	63.46152	-70.3007	Y
45	KT_46	025M08	63.44437	-70.3592	Y
46	KT_47	025M08	63.49874	-70.2148	Y
47	KT_48	025M08	63.34575	-70.4435	Y
48	KT_49	025M08	63.3424	-70.1729	Y
49	KT_50	025M08	63.39346	-70.1173	Y
50	KT_51	025M08	63.30328	-70.3525	Y