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Supplement of

Subglacial lakes and hydrology across the Ellsworth Subglacial Highlands, West Antarctica

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Table 1. Topographic characteristic of the new subglacial lakes.

SL #	Ice divide distance (km)	Ice surface velocity (myr ⁻¹)	Ice Surface Slope (degrees)	Max. Length (km)	Ice thickness (m)	Bed elevation (m a.s.l.)
1	47	4.8	0.38	1.9	2609	-602
2	22	2.4	0.44	0.5	1584	480
3	25	3.1	0.37	0.6	1657	413
4	31	2	0.09	2.9	2120	-10
5	14	2.2	0.11	3.6	2950	-798
6	2	5.6	0.05	5.8	3033	-928
7	3	1.4	0.08	2.5	1887	8
8	48	1.4	0.35	1.2	2188	-257
9	39	0.6	0.34	2	1853	88
10	34	1	0.23	0.5	1660	62
11	17	1	0.09	1.6	3719	-1617
12	29	3	0.48	1.4	1822	311
13	27	8.9	0.18	1.5	3043	-1150
14	20	4.5	0.06	2.4	3131	-1189
15	16	3.5	0.33	4.2	1985	-82
16	23	3.3	0.44	0.7	2357	-224
17	35	2.2	0.35	0.4	2056	-187
18	2	2.2	0.09	1.2	2248	-645
19	16	1.8	0.21	1.1	2078	-178
20	3	1.8	0.05	5.3	2725	-1018
21	91	44.9	0.59	2.9	2086	-963
22	85	54.4	0.2	1.1	1789	-682
23	8	60.9	0.17	8.2	2414	-1045
24	17	58.8	0.21	2.7	2543	-1178
25	28	59.1	0.12	2.7	2666	-1219
26	33	8.6	0.29	1.5	2378	-760
27	33	7.1	0.12	2.5	2804	-1360
28	22	1.7	0.39	1.2	1203	347
29	40	2.1	0.09	1.9	2842	-1299
30	53	2.2	0.17	1.5	3012	-1209
31	14	2.4	0.13	0.6	1215	-261
32	1	2.2	0.08	1.4	2438	-419
33	1	2.2	0.11	0.9	2693	-897

Table 2. Other physical characteristics of subglacial lakes. The table shows in which flight line subglacial lakes were found, the mode for the Bed Reflection Power (BRP) and the specularity of the surface of each water body (σ BRP). Additionally, the table shows the classification of each subglacial lake included in this work.

SL #	Flight Line	Longitude (DD)	Latitude (DD)	BRP (mode)	BRP (max)	BRP (min)	Specularity, σ BRP (mode)	Depth-averaged attenuation rate	Class
1	B01	-93.7999	-79.5851	29	34	19	0.7	1.1	Fuzzy
2	B01	-92.8535	-80.3645	37	66	27	2.5	1.8	Fuzzy
3	B01	-92.8061	-80.4004	26	48	16	2.5	1.8	Fuzzy
4	B01	-92.7136	-80.471	22	32	12	0.4	1.8	Definite
5	B01	-95.0018	-80.6171	16	24	6	0.4	2.2	Indistinct
6	B01	-101.4622	-80.4129	16	20	13	0.3	1.3	Dim
7	B02	-91.8353	-79.8507	32	39	17	0.6	1.9	Fuzzy
8	B02	-90.2785	-80.2358	34	46	14	1	3	Fuzzy
9	B02	-90.5004	-80.1597	43	47	24	0.8	3	Fuzzy
10	B02	-91.0053	-80.1794	37	42	25	1.7	3	Fuzzy
11	B02	-95.5041	-80.3418	14	17	11	0.2	1.5	Dim
12	B02	-98.2179	-80.4081	33	46	18	1.7	2.6	Fuzzy
13	B03	-91.4841	-78.9005	39	40	24	0.4	1.4	Definite
14	B03	-91.0233	-79.2523	30	41	19	0.4	1.3	Definite
15	B03	-90.0201	-79.6524	22	29	19	0.3	1.7	Dim
16	B05	-88.3852	-78.9194	31	36	21	0.8	1.9	Fuzzy
17	B05	-92.3296	-79.3561	33	41	23	1.3	1.9	Fuzzy
18	B05	-90.1138	-79.254	21	26	17	0.3	1.6	Dim
19	B05	-89.2562	-79.3619	38	49	25	0.7	1.7	Fuzzy
20	B05	-89.5102	-79.2066	25	34	14	0.7	1.5	Fuzzy
21	B08	-95.9091	-76.6024	67	75	41	1	1.1	Fuzzy
22	B08	-95.5803	-76.5893	68	75	56	0.9	1.1	Fuzzy
23	B08	-92.1574	-77.0841	39	48	21	1.2	1.5	Fuzzy
24	B08	-92.063	-77.173	33	46	22	0.7	1.5	Fuzzy
25	B08	-91.9199	77.3096	51	58	37	0.4	1.5	Definite
26	B08	-91.1614	-77.9778	35	46	20	1	1.3	Fuzzy
27	B08	-90.9654	-78.1373	49	59	33	1	1.3	Fuzzy
28	B08	-90.0173	-78.5457	57	59	42	0.4	2.5	Definite
29	B09	-100.6879	-79.0183	32	38	20	0.8	1.2	Definite
30	B22	-95.1967	-79.7528	26	27	16	0.4	1.3	Definite
31	T04	-90.6075	-79.1921	18	20	8	0.4	2.3	Definite
32	T04	-89.8362	-79.2414	16	19	9	0.5	2.3	Fuzzy
33	T04	-89.6748	-79.1712	14	21	11	0.3	2.3	Dim