

Table 2. A, Site characteristics

No.	name of locality (site)	location UTM grid	elevation m.a.s.l.	aspect	gradient (°)	relief element	substratum	soil texture (fine soil)	soil type
1	Cuollaroavvi	06 08 623 77 09 296	453	SE	5-6	moraine top	till	Ss(fs)	nanopodzol, cryoturbated
2	Vuovdasoavvi North	05 95 761 77 10 014	515	E	10	slope	gelifluction sheet+eolian sand	Ss	syrosem in loose deposit
3	Njalgaenan	06 02 938 77 10 149	412	W	2-3	plateau	till	Su2	nanopodzol, cryoturbated
4	Ingasskaidi	06 01 770 77 03 233	379		0	plateau	slope deposit	Ss	podzol
5	Pikefossen I	06 00 930 76 89 321	354	E	2-3	plateau	till	Ss(fs)	podzol regosol
6	Pikefossen II	06 00 956 76 89 269	345	SE	20	valley slope	till	Ss	podzol regosol
7	Fallehatluobbal	05 95 890 76 99 734	415	W	1-2	outwash plain	till	Su2	podzol regosol
8	Stuoravadda	05 95 638 77 03 923	445	W	10	slope	till	Su2	nanopodzol
9	Joegelcárot	06 07 040 77 03 620	412	E	5-6	plateau	till	Su2	nanopodzol, cryoturbated
10	Balluskaidi I (West)	06 02 281 76 97 965	330	E	5-6	plateau	till	Ss	nanopodzol
11	Garraguoika (South)	06 03 162 76 85 422	320		0	river terrace	till	Ss	nanopodzol
12	Dikkevarri I	06 02 255 77 15 772	427	W	3-4	plateau	till	Su3	nanopodzol gley
13	Suoluvuobmi	05 99 388 77 21 314	436	W	2-4	plateau	till	Us	nanopodzol
14	Stuora Raisutjavrit	06 00 875 77 22 418	482	W	5-6	moraine top	ablation moraine	Su3	nanopodzol
15	Bannejuncáro	05 98 179 77 13 220	464		0	plateau	till	Su4	nanopodzol
16	Bárri East	05 98 627 77 20 011	417	E	6-7	plateau	till	Ss(fs)	nanopodzol
17	Rissevarri II	05 95 468 77 27 268	389	W	1-2	slope hollow	till	Su3	nanopodzol
18	Rissevarri II	05 95 763 77 27 348	418	W	15-20	slope	colluvium	Su2	truncated soil profile, peat deposit above C-horizon
19	Vidoaivusnjouski	06 05 357 77 33 412	465	E	12-15	slope in hilly moraine	ablation moraine	Ss(fs)	podzol
20	Aslagasjavri	06 05 588 76 79 238	370	NW	2-3	moraine top	till	Su3/Su2	nanopodzol, cryoturbated
21	Riigaluobbal I	06 02 214 76 79 200	330	S	5	esker ridge	glaciofluvial deposit	Ss	nanopodzol
22	Riigaluobbal II	06 02 179 76 78 904	328	E	1-2	esker ridge	eolian sand	Ss	podzol, cryoturbated with organogenic cover
23	Basejavri	06 07 865 76 79 420	355	S	3-4	plateau	till	Su2	nanopodzol
24	Fierahatnjunni	05 97 833 76 78 653	440	S	7-8	trough in hilly moraine	till	Ss	nanopodzol
25	Rassegalvarri	05 96 816 76 78 953	470	W	10	slope	till	Ss	nanopodzol
26	Stakkavarri	06 00 474 76 72 864	417	SW	5-6	plateau	till	Ss(fs)	syrosem in loose deposits, cryoturbated
27	Buollan I (West)	06 12 247 76 85 341	376	W	7-8	dune field	eolian sand	Ss	podzol colluvisol
28	Buollan II (East)	06 12 960 76 85 109	380	W	12-15	slope	slope deposit	Su4	nanopodzol
29	Suolujavri	06 15 334 76 79 250	417	W	8-10	plateau	till	SDu3	nanopodzol
30	Rappescáro	06 11 862 76 79 537	380	E	4-5	drumlin ridge	till	Ss	nanopodzol
31	Skarreluobbal	05 95 986 76 85 639	420	E	10-15	moraine slope	ablation moraine	Su2	nanopodzol
32	Dallusjåkka	05 96 944 76 91 158	410	W	7-8	slope	slope deposit	Ss	podzol gley (wet slope) covered with organogenic deposit
33	Goevletmares I West	06 04 504 76 74 709	430	E	2-3	plateau	till	Su2	nanopodzol, cryoturbated
34	Goevletmares II East	06 04 970 76 74 458	415	E	7-8	plateau	till	Ss/Su3	bog gley +fossil A _e
35	Fanasroavvi	06 13 164 76 91 678	385	E	5-6	plateau	till	Su2	podzol regosol, cryoturbated
36	Ladvaskaidi	06 03 835 76 30 141	405	SE	7-8	plateau	till	Su2	podzol regosol
37	Staddevarri	05 98 935 76 31 010	415	N	2-4	plateau	till	Ss	nanopodzol, cryoturbated
38	Sallejavri	05 96 286 77 34 296	495	E	10	moraine slope	colluvium	Uu	colluvisol

39	Æpparasoavi (-gurra)	05 93 898 77 33 955	420	SW	15-18	slope	slope deposit	Ss/Su2	podzol regosol with oganogenic cover
40	Ruoguroarvi I East	06 05 542 77 08 728	333	E	10-15	valley slope	slope deposit	Ss/Su2	podzol regosol with oganogenic cover
41	Ruoguroarvi II West	06 04 762 77 08 907	385	W	1-2	plateau	till	Ss	nanopodzol
42	Vaksacáro	05 98 354 77 10 146	469	E	10-15	moraine slope	till	Ss	podzol with organogenic cover
43	Gábbajákka	06 04 635 77 15 344	367	E	7-8	plateau	till	Ss	nanopodzol, cryoturbated with organogenic cover
44	Dikkevarri II	06 03 525 77 15 250	455	E	3-4	plateau	till	Ss	podzol regosol
45	Vuobmi Varitvarri West	05 99 025 77 03 806	435	SW	5-6	plateau	slope deposit above bedrock	Su2	podzol regosol
46	Duolbavarri (-javri)	06 00 258 77 09 440	458	N	2-3	plateau	till	Su2	nanopodzol, cryoturbated with organogenic layer
47	Billacárot	05 97 320 77 27 844	487	W	5-10	moraine slope	till	Su2	nanopodzol
48	Joegeldievat East	06 07 427 77 09 080	437						
49	Joegeldievat West	06 07 100 77 09 028							
50	Vuovdasoavi South	05 95 738 77 09 809							
51	Stuoraenan	05 95 780 76 96 846	450	W	7-8	plateau	till	Ss	nanopodzol
52	Madiluppo	05 98 363 76 97 683	410	W	10-12	plateau	till	Ss	nanopodzol
53	Balluskaidi East (V)	06 02 806 76 97 916	290						
54	Balluskaidi II	06 02 063 76 97 153	335	S	8-10	moraine slope	till	Ss	nanopodzol with organogenic cover
55	Balluskaidi III	06 01 689 76 96 869	346	E	3-5	moraine slope	till	Ss	nanopodzol
56	Fidnajavri East	06 01 434 76 91 442	337	E	3-4	moraine slope	till	Su2	nanopodzol
57	Fidnajavri West	06 00 675 76 91 422	334	W	3-4	plateau	till	Ss	nanopodzol, cryoturbated
58	Fidnajavri Middle	06 01 141 76 91 501	340	SE	7-8	valley slope	till	Ss	nanopodzol
59	Garraguika West	06 03 206 76 85 807							
60	Vuollavarri I	06 02 705 76 85 131							
61	Luppucáro	06 02 784 77 21 316	470	SE	8-10	plateau	till	Su3	nanopodzol, cryoturbated
62	Mattescáro North	06 03 740 77 21 466	453	NW	3-4	plateau	till	Su2	nanopodzol
63	Mattescáro South	06 04 219 77 20 941							
64	Vuobmi Varitvarri South	06 00 269 77 03 363							
65	Bárr West (Bárrejavri)	05 97 085 77 20 686	418	NW	5-6	plateau	till	Ss	nanopodzol
66	Mazenjargga	06 02 936 77 03 080							
67	Goetkassoeibos I (East)	06 16 776 76 92 546	390	NW	5-6	plateau	till	Su2	nanopodzol with organogenic cover
68	Goetkassoeibos II (West)	06 16 370 76 92 384	370	NW	8-10	drumlin slope	till	Ss	nanopodzol
69	Njukcajákka (Duolbasaiva)	06 03 700 77 03 400	330	SE	4-5	plateau	till	Su2	nanopodzol
70	Askasjákka I (West)	06 03 182 76 97 530	310	W	12	moraine slope	til	Ss	podzol
71	Askasjákka II (East)	06 04 004 76 97 606	385	W	3-4	plateau	till	Ss	nanopadzol
72	Gárzivarri I (East)	06 03 691 76 91 042	390	E	3-4	plateau	till	Ss	podsol regosol, cryoturbated
73	Gárzivarri II (Middle)	06 02 217 76 91 191	320	W	3-4	plateau	till	Ss	nanopodzol
74	Gárzivarri III (West)	06 01 989 76 91 282							
75	Mirkubarri	06 05 003 76 85 866	418	W	5-6	plateau	till	Su2	podzol regosol
76	Garraguika East	06 03 466 76 85 575	300	W	3-4	river terrace	sand of alluvial plain	Ss	soil of alluvial plain, covered with organogenic deposit
77	Buollanoavi	06 08 311 76 85 914	460	SE	4-5	plateau	till	Su2	podzol regosol
78	Lappujavri	06 09 761 76 85 788	360	SE	15-20	slope	till	Ss	nanopodzol
79	Bierasbuolza	06 09 273 76 91 714	405	E	10	esker slope	till	Su4	nanopodzol
80	Suodnjunjarga	06 11 242 76 90 809	360	W	3-4	plateau	till	Ss	podzol regosol

81	Vuollavarri II (West)	05 99 849 76 85 472	456	W	8-10	slope	till	Su3	podzol with organogenic cover
82	Vuoddasvuobmi	06 15 894 76 97 744	392	NE	3-4	plateau	till	Su3	podzol
83	Aitevarri (Duolbajavri)	06 11 748 76 97 385	425	W	8-10	plateau	colluvium	Ss(fs)	colluvisol
84	Hoestabuolza (Duolbavari)	06 13 668 76 97 635	423	W	12-15	slope in hilly moraine	till	Ss	nanopodzol
85	Gardejåkka (Haemmujakka W)	05 96 681 76 72 982	383	NW	3-4	plateau	till	Ss	podzol regosol, cryoturbated
86	Haemmujakka (East)	05 97 479 76 73 112	370	N	2-3	glaciofluvial terrace	colluvium	Ss	colluvisol
87	Goessesaivarri (East)	05 97 242 77 39 562	440	W	10-12	slope	till	Ss	nanopodzol
88	Årdnahasavzejåkka (Goessesaivarri West)	05 96 811 77 39 832	406	E	5-6	trough in hilly moraine	ablation moraine	Su2	nanopodzol
89	Spierkusavvunat	06 09 152 77 33 861							
90	Jatgesgåidnesvarri	06 07 420 77 33 556							
91	Gáidnesvuobmegamme	06 05 594 77 33 344							
92	Vuomagielas (Ninnasjuhanajavri West)	06 12 683 77 39 907	411	NE	8-10	slope	till	Ss	nanopodzol with organogenic cover
93	Ninnasjuhanajavri East	06 12 992 77 40 082							
94	Luovcan	06 08 208 77 39 074	438	E	4-5	moraine slope	till	Ss	nanopodzol
95	Aivusjavri West	06 09 414 77 39 121							
96	Aivusjavri East	06 09 471 77 39 020							
97	Gakkurjavri	06 11 322 76 73 753	403	E	3-4	plateau	till	Su3	podzol
98	Gurrahuolza (Gáddejåkka S)	06 12 845 76 61 812	400	W	3-5	dune field	aeolian sand	Ss	nanopodzol duplicated
99	Gáddejåkka North	06 12 593 76 62 242	390	W	2-3	river terrace	glaciofluvial deposit	Ss	rambla
100	Sarvagazza	06 14 122 76 61 663							
101	Vuoskujavri North	06 16 053 76 67 502							
102	Vuoskujavri South	06 16 182 76 66 591							
103	Nappulsaiva East	06 13 243 76 67 466	423	SW	8-10	plateau	till	Ss	nanopodzol
104	Nappulsaiva West I [Middle]	06 12 014 76 67 629	386	NE	1-2	river terrace	fluvial sand	Ss	rambla
105	Nappulsaiva West II	06 11 776 76 67 825	395	E	4-5	moraine slope	till	Ss	nanopodzol
106	Vuoskuvarri	06 16 097 76 73 658	470	E	4-5	moraine top	till	Su2	podzol regosol
107	Boazuvarri	06 14 315 76 73 357	440	W	5-8	plateau	till	Ss	nanopodzol
108	Nappuljåkka (Gakkurjavri East)	06 12 020 76 73 545	365	E	2-3	river terrace	glaciofluvial deposit	Ss	rambla
109	Máze West (Girkuvuoppenjalbmi)	06 03 726 77 05 197	350	E	35-40	slope	till	Su3/Su4/Us	nanopodzol with organogenic cover
110	Fiellasmákki	06 08 185 77 27 465	348	W	30-35	slope	slope deposit	Su2	nanopodzol
111	Nagiroaivi (Samuslanavzejåkka)	06 07 946 77 21 965	287	W	25-30	slope	slope deposit	Ss	nanopodzol
112	Ladnetoaivi East	06 06 427 77 15 704							
113	Ladnetoaivi Middle	06 05 883 77 15 549							
114	Ladnetjavri I (Ladnetoaivi West)	06 05 850 77 15 539	280	W	3-5	plateau	till	Su2	nanopodzol gley
115	Ladnetjavri II (Ladnetoaivi North)	06 06 215 77 15 635	400	W	5-8	plateau	till	Ss	nanopodzol with organogenic cover
116	Girkucákka	06 04 737 77 04 573	360	W	35-40	slope	slope deposit	Us/Uu/Us/Ss	podzol
117	Soerradas I (East)	05 98 782 76 67 217	484	S	8-10	plateau	till	Ss(fs)	nanopodzol
118	Soerradas II (West)	05 98 665 76 67 368	490	SE	10-12	slope	till	Su2	nanopodzol
119	Guolehis Vuordnasjavri	06 02 056 76 67 565	443	E	3-5	plateau	till	Su2	nanopodzol
120	Altevarbákki I	06 05 109 76 61 900	453	E	3-10	slope in hilly moraine	till	Su2	nanopodzol
121	Altevarbákki II	06 03 932 76 62 085	465	SE	10-12	slope	slope deposit	Ss	nanopodzol
122	Altevarbákki III	06 02 219 76 61 137	460	NW	5-7	plateau	till	Ss	nanopodzol
123	Vuolgamasjåkka	05 99 635 76 59 987	427	N	0-1	river terrace	glaciofluvial deposit	Su2	nanopodzol gley

124	Soerradas III	05 96 579	76 66 517	480	SE	10-12	slope	slope deposit	Ss	podzol regosol
125	Soerradas IV	05 96 521	76 66 545	490	E	12-15	slope	till	Ss	nanopodzol
126	Gievdnejavri	06 02 677	76 78 638	318	N	10	ravine slope	till	Su2	nanopodzol
127	Biennaroavvejåkka	06 13 960	76 55 356	440	W	3-5	drumlin top	till	Ss	podzol regosol
128	Guorbacákka I	06 18 840	76 44 575	435	SW	5	plateau	till	Ss	nanopodzol
129	Guorbacákka II	06 18 041	76 45 018	438	W	3	plateau	till	Su2	podzol
130	Girkuboeldievat I	06 14 765	76 49 678	465	S	3-5	plateau	till	Ss	nanopodzol
131	Girkuboeldievat II	06 15 425	76 49 396	466	W	1-3	trough in hilly moraine	ablation moraine	Su3	nanopodzol
132	Smakkumuorjåkka	06 13 901	76 57 368	415	W	0-1	river terrace	till	Ss	podzol regosol
133	Balluskaidi IV	06 02 341	76 97 594	320	E	2-3	river terrace	glaciofluvial deposit	Ss	nanopodzol gley
134	Gukkesluobbal I	05 98 270	76 54 529	450	W	2-3	plateau	till	Su2	nanopodzol
135	Gukkesluobbal II	05 98 041	76 54 553	450	N	2-3	plateau	till	Su2	podzol regosol
136	Joegelgielas II	05 97 080	76 49 472	507	E	30-35	slope	slope deposit	Ss	nanopodzol
137	Joegelgielas II	05 97 094	76 49 402	488	E	2-3	river terrace	glaciofluvial deposit	Su2	nanopodzol
138	Joegelgielas III	05 97 286	76 49 783	514	S	5-10	hill top	till	Ss	nanopodzol
139	Baharavdujåkka I	05 98 137	76 44 361	440	S	5-7	plateau	till	Ss	nanopodzol
140	Baharavdujåkka II	05 98 048	76 44 118	439	SE	5-7	plateau	till	Ss	nanopodzol with organogenic cover
141	Máze II West	06 04 016	77 04 879	281	E	0-2	river terrace	alluvial sand	Ss	rambla
142	Máze III West	06 03 849	77 05 153	280	E	0-2	river terrace	silt of alluvial plain	Us/Us/Uu/Ss	wet gley of alluvial plain
143	Gukkesjavri	06 03 707	76 31 224	401	NE	4-7	plateau	till	Ss	nanopodzol
144	Jákkamákki	06 02 788	76 36 648	463	S	5-7	drumlin top	till	Ss	nanopodzol
145	Buoidesnjunis	06 01 055	76 36 665	501	SE	4-7	plateau	till	Ss	nanopodzol
146	Siccejavri I	06 02 017	76 29 292	397	SE	3-5	trough in hilly moraine	aeolian sand above aquatic sand	Su2/Ss/Ss/Ss	podzol
147	Bájarovvi	06 03 503	77 05 297	377	W	3-5	plateau	till	Us/Us/Su4	nanopodzol with organogenic cover
148	Girkucákka West	06 04 443	77 04 820	295	W	30-35	valley slope	slope deposit	Ss	podzol with thick organogenic cover
149	Island Kautokeinoelva	06 04 286	77 04 831	269	W	1-2	river terrace	sand of alluvial plain	Ss	wet gley of alluvial plain
150	Girkucákka Middle	06 04 690	77 04 596	335	W	25-30	valley slope	till	Su2	nanopodzol with organogenic cover
151	Máze South (Guarvemákki)	06 03 029	77 02 179	290	S	5-7	kame terrace	aeolian sand above aquatic sand	Ss/Ss/Su2	podzol
152	Gammecákka I	06 05 048	77 18 230							
153	Gammecákka II	06 05 078	77 16 456							
154	Siccejavri II	06 02 300	76 30 700							
155	Habatbakti I	06 03 500	77 02 000							
156	Habatbakti II	06 03 450	77 02 600							
157	Girkuvuoppenjalbmi	06 03 821	77 05 412							
158	Mázejákka	06 02 559	77 03 871							
159	Suolujákka I	05 97 547	77 22 698							
160	Suolujákka II	05 97 640	77 22 549							
161	Bajit Árvusvarri	05 93 663	77 38 848							
162	Unna Suolujavras	05 99 631	77 20 974							
163	Girkucákka Path	06 04 531	77 04 694	336	W	20	valley slope	till	Us/Us/Us/Su4	nanopodzol with thick organogenic cover
164	Njukcejavri	06 05 222	77 04 247	374	E	18-22	slope	colluvium	Ss	colluvisol
165	Árvusvarri	06 07 400	77 07 900							