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Appendix 1

Appendix 1. Geographic location and altitude of 126 localities in Iceland where charophytes have been recorded.

Location: E = east Iceland, N = north Iceland, S = south Iceland, W = west Iceland, WF = Westfjord peninsula.

References:

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- 15 Mr. Theo Bakker (pers. comm.).
- 16 Hrafnadóttir (pers. comm.).

Location	Latitude	Longitude	Altitude (m)	Sampling year	<i>Chara aspera</i>	<i>Chara contraria</i>	<i>Chara globularis</i>	<i>Chara virgata</i>	<i>Chara spp.</i>	<i>Nitella flexilis</i>	<i>Nitella opaca</i>	<i>N. opaca vel flexilis</i>	<i>Tolypella canadensis</i>	<i>Tolypella glomerata</i>	Unidentified charophytes	Reference (chronological order)
Apavatn, S	64.1717	-20.6591	59	1886, 2005					X	X						5, 3
Arnarvatn stóra, N	64.9602	-20.3238	536	1997, 2013						X	X	X				2, 1
Austari-Pollar, N	65.0924	-18.4115	700	1981–1984											X	9
Álftanes, W	64.0980	-22.0090	30	1937			X									5
Ánavatn, E	65.2218	-15.5269	521	1995								X				2
Ásbjarnarvötn, N	65.0413	-18.7881	777	2013							X	X	X			1
Bakkadalur, N	66.1200	-18.1720		1964							X					4
Baugavötn, W	64.6091	-22.3195	10	2012				X								1
Baulárvallavatn, W	64.9107	-22.8858	193	1994								X				2
Bauluvatn, S	64.0922	-20.8652	136	2012								X				1
Berufjarðarvatn, WF	65.5520	-22.1073	49	2012			X	X	X							1
Blönduvatn, N	65.1542	-19.5293	488	2013		X				X	X	X				1
Djáknaþjörn, N	65.7130	-18.1437	20	1967			X									4
Djúpavatn, W	63.9212	-22.0942	204	2005								X				3
Eiðistjörn, W	64.1484	-21.9761	20	1911				X								4
Elliðavatn, W	64.0875	-21.7835	76	2013								X				1
Eskihlíðarvatn, S	64.0677	-19.1273	528	2012							X	X				1
Eyjabakkar, E	64.7559	-15.4455	650	1975											X	7
Eyrvavatn, W	64.4326	-21.6102	75	1992								X				2
Fljósbotn, S	63.6653	-18.2653	35	1997											X	2
Flóðið, N	65.4880	-20.3421	4	2013							X	X				1
Flókadalsvatn, N	66.0450	-19.1439	14	2013							X	X				1
Folavatn, E	64.7726	-15.4014	662	1993						X						11
Frostastaðavatn, S	64.0187	-19.0592	570	1997, 2012					X	X		X	X			2, 1
Furufjörður, WF	66.2589	-22.2376	5	1971							X					5
Galtaból, N	65.2656	-19.7290	450	1992								X				2
Garðar, W	64.0834	-21.9995	30	1897			X									5
Geitabergsvatn, W	64.4625	-21.5211	79	1992, 2012								X				2, 1
Gilsárvatn ytra, E	65.0381	-15.1765	625	2000								X				12
Glammasstaðavatn, W	64.4406	-21.5582	77	1992								X				2
Glæsibæjartjarnir, N	65.7490	-18.1720	20	1980			X									4
Græntjörn, N	65.6790	-17.5290	150	1965				X								4
Gufudalsvatn, WF	65.5757	-22.3934	12	2012								X				1
Gæsadalur, N	65.7470	-16.9310	440	1974							X					4
Gönguskarð, N	65.8250	-17.6550	400	1963							X					4
Hafravatn, W	64.1299	-21.6618	76	1998, 2007								X				2, 13
Hafursstaðavatn, N	65.9344	-16.4702	210	2013				X				X				1
Haukadalsvatn, W	65.0530	-21.6266	37	1994, 2012						X	X	X				2, 1
Heiðarvatn, E	65.2482	-14.1778	585	1998								X				2
Hestvatn, S	64.0183	-20.7075	50	1997, 2012				X	X			X				2, 1

Location	Latitude	Longitude	Altitude (m)	Sampling year	Chara aspera	Chara contraria	Chara globularis	Chara virgata	Chara spp.	Nitella flexilis	Nitella opaca	N. opaca vel flexilis	Tolypella canadensis	Tolypella glomerata	Unidentified charophytes	Reference (chronological order)
Hítarvatn, W	64.8851	-21.9630	147	1994								X				2
Hornvík, WF	66.4212	-22.4705	120	1971							X					5
Hólatjarnir, E	65.1273	-13.9095	100	1959							X					4
Hólavatn, N	65.3526	-18.2433	120	1891			X									5
Hólmavatn, N	64.8052	-20.8999	353	2013				X		X		X				1
Hólmavatn, N	65.6830	-20.2488	45	2013				X			X					1
Hreðavatn, W	64.7597	-21.5840	58	2012							X	X				1
Högnastaðir, S	64.1363	-20.3178	100	1907				X								4
Högnavatn, WF	65.7464	-22.1652	410	1995, 2012					X			X	X			2, 1
Íshólsvatn, N	65.3239	-17.3912	375	2004								X				3
Kaðalsstaðir, N	66.1260	-18.0640	150	1969							X					4
Kálfborgarvatn, N	65.5030	-17.3255	367	1972			X									4
Kleifarvatn, W	63.9258	-21.9743	140	2005, 2013								X	X			3, 15
Kringluvatn, N	65.7644	-17.2249	270	2004								X				3
Kötluvatn, N	66.4964	-16.5045	0	1993								X				2
Langavatn, N	65.9430	-20.1760	214	2013		X	X		X			X				1
Langavatn, N	65.8254	-17.2713	158	1996, 2004					X			X				2, 3
Langavatn, S	64.1301	-18.8143	565	1993, 2012							X	X				2, 1
Langavatn, W	64.7901	-21.7778	210	2012						X		X				1
Langisjór, S	64.1823	-18.2865	663	1998, 2012					X			X				2, 1
Laugarnes, W	64.1462	-21.8914	20	1895			X									5
Laugarvatn, S	64.2092	-20.7088	62	2005					X							3
Laxamýri, N	65.9748	-17.3880	20	1898							X					5
Leirvogsvatn, W	64.1959	-21.4539	209	2013						X	X					1
Lómatjörn, E	64.3180	-15.1902	20	1939			X									5
Lýsuvatn, W	64.8261	-23.2084	4	1971			X									5
Másvatn, N	65.6394	-17.2427	276	1996, 2004								X			X	2, 3
Meðalfellsvatn, W	64.3119	-21.5968	46	2014								X				14
Miðdalur, S	64.2472	-20.6666	100	1886							X					5
Miðheiðarvatn, WF	65.5541	-21.7815	383	2012								X				1
Miðvatn, W	65.2271	-21.5704	162	2012				X	X							1
Mývatn, N	65.6454	-16.9718	277	1974								X				4
Möðruvellir, N	65.7690	-18.2600	50	1891							X					5
Norðtunga, S				1886							X					5
Nýjavatn, S	64.1074	-18.8703	563	1993								X				2
Oddastaðavatn, W	64.9032	-22.2351	65	1994, 2012				X	X			X				2, 1
Ódáðavötn, E	64.8371	-14.7623	615	1998								X				2
Ós, E	64.7632	-14.0574	20	1894							X					5
Reyðarvatn, N	65.1128	-18.5232	707	1996, 2013							X	X	X			2, 1
Reyðarvatn, W	64.4854	-21.0581	324	2012								X				1
Reykhólar, WF	65.4482	-22.2013	20	1900			X									4
Reykjaheiði, N	65.9940	-17.1860	330	1974							X					4
Réttarvatn, N	65.6739	-20.2390	44	2013				X								1
Sandvatn, E	65.3013	-14.6782	569	1998								X				2
Sandvatn, N	65.5082	-17.2090	380	1972			X									4
Sauðlauksdalsvatn, WF	65.5404	-23.9848	5	2012							X	X				1
Selvallavatn, W	64.9462	-22.9091	61	2002								X				2
Selvatn, N	65.9406	-20.0379	150	1992								X				2
Silfurtún, W	64.0957	-21.9099	20	1988				X								4
Skálavatn, S	64.1225	-18.7939	568	1993, 2012							X	X				2, 1
Skorradalvatn, W	64.5239	-21.5155	57	1998, 2012				X	X	X		X				2, 1
Skorrastaður, E	65.1245	-13.7983	20	1894							X					5
Skriðuvatn, E	64.9522	-14.6408	155	1998								X				2
Skúmsstaðavatn, S	63.6992	-20.4755	3	2012	X			X			X	X				1
Slétta, E	65.0238	-14.2477	4	1956							X					5
Sléttuhlíðarvatn, N	66.0433	-19.3364	15	2013							X	X				1
Sog, S	64.0912	-21.0085	60	1945								X				4

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Stapalækjarflá, N	65.0590	-17.4740	700	1976							X					4
Stíflisdalsvatn, S	64.2475	-21.3239	173	2012						X	X					1
Stóra-Fossvatn, S	64.1450	-18.7506	574	1993								X				2
Stóra-Viðarvatn, N	66.2384	-15.8355	151	1993								X				2
Svartárvatn, N	65.3471	-17.2332	395	2004					X			X				3
Svínavatn, N	65.5330	-20.1051	126	1972, 1993, 2013		X				X	X	X		X		4, 2, 1
Sænavatn, E	65.2786	-15.5158	524	1995								X				2
Torfdalsvatn, N	66.0614	-20.3828	46	2013								X				1
unnamed lake, E	65.2456	-14.2127	663	2013								X				1
unnamed lake, WF	65.6945	-22.0758	438	1995, 2012								X				2, 1
Úlfjótssvatn, S	64.1120	-21.0353	79	1993								X				2
Úlfsvatn, N	64.8928	-20.5865	435	1997, 2013				X			X	X	X	X		2, 1
Vatnsdalsvatn, W	64.9945	-22.7284	68	2012								X				1
Vatnsdalsvatn, WF	65.6058	-23.1069	9	2012							X	X				1
Vatnshlíðarvatn, N	65.5173	-19.6299	286	2013		X				X		X		X		1
Vatnsholtssvatn, W	64.8312	-23.2575	10	2012				X				X				1
V-Friðmundarvatn, N	65.2929	-19.8539	441	2013							X	X	X			1
Vesturhópsvatn, N	65.4652	-20.6485	20	1996, 2013				X		X		X				2, 1
Vífilsstaðavatn, W	64.0794	-21.8714	38	2018			X									16
Víkurvatn, E	65.0256	-13.7400	276	1959							X		X			4
Þíðriksvallavatn, WF	65.6771	-21.7549	73	1995								X				2
Þingvallavatn, S	64.1921	-21.1448	100	1886, 1985							X					5, 10
Þjórsárver, S	64.6076	-18.7748	585	1972								X				6
Þríhyrningsvatn, E	65.1725	-15.7694	570	1998								X				2
Þrístikla, N	65.2412	-19.7456	460	1975						X						8
Þrístikluvatn, E	65.9981	-16.2298	333	2013							X	X				1
Þuríðarvatn, E	65.6037	-15.1654	416	1998								X				2
Þverölduvatn, S	64.4744	-18.5917	645	2012								X				1
Ölvesvatn, N	65.9585	-20.0630	168	2013							X	X				1