Nova Scotia Department of Natural Resources
Geoscience and Mines Branch

Open File Map ME 2017-032

Geoheritage Sites of Nova Scotia

Compiled by J. H. Calder and J. C. Poole

Scale 1:500 000

20 0 20 40 60 km

Halifax, Nova Scotia
2017

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Descriptive Text

The Geoheritage Sites on this map are derived from the Nova Scotia Geoheritage List and represent sites that tell the story of the geological and cultural evolution of Nova Scotia, and in some cases of Earth itself. The list comprises both natural geological sites and cultural sites that commemorate or explore the ties that the people of Nova Scotia have with the Earth and with geological resources that have shaped our history.

Natural sites are categorized by three levels of significance: (1) globally unique: (2) globally or internationally significant; and (3) exceptional examples of geological phenomena.

The list draws upon the collective wisdom of many geoscientists and interested members of the public, over many years of exploration of Nova Scotia's geology. Many of the sites were recorded on the Geological Highway Map of Nova Scotia published by the Atlantic Geoscience Society.

More detailed information about these Geoheritage Sites and other Geoheritage Resources for the Province of Nova Scotia is available at http://novascotia.ca/natr/meb/geoheritage-resources/.

Fossils in Nova Scotia are protected under the Special Places Protection Act (https://cch.novascotia.ca/exploring-our-past/special-places); collecting requires a heritage research permit from the Nova Scatia Museum (https://cch.novascotia.ca/exploring-our-past/special-places/palaeontology-permits-and-guidelines).

When visiting a Geoheritage Site, please obtain the permission of the landowner. Please follow the outdoors ethics principles of Leave No Trace Canada (http://www.leavenotrace.ca).

Map Notes

GIS databases, cartography and reproduction by Jeff Poole and Angie Barras of the Nova Scotia Department of Natural Resources, Geoscience Information Services Section, 2017. The GIS databases and map were developed using ArcGIS® 10.2.

Universal Transverse Mercator Projection (UTM), Zone 20, Central Meridian 63°00' West. North American Datum (NAD) 1983, Canadian Spatial Reference System (CSRS) 98.

Base and digital data derived from the Nova Scotia Topographic Database (NSTDB). Copyright Her Majesty the Queen in Right of the Province of Nova Scotia. The NSTDB is available from the Department of Internal Services, Nova Scotia Geomatics Centre (NSGC), Amherst, Nova Scotia.

Shaded relief image derived from a 25 m Digital Elevation Model of the Province of Nova Scotia, DP ME 56, version 2, 2006. Azimuth of 315°, sun angle of 45° and a vertical exaggeration of 10.

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NOVA SCOTIA

Geoscience and Mines Branch

Open File Map ME 2017-032

March 7, 2017

Natural Site 1144:

(Map_ID 87)

Old Wife, Five Islands Provincial Park

Geological Period: Triassic-Jurassic

Approximate age: 200 million years

Significance: One of the world's best exposures of rocks that record the geological events that heralded one of Earth history's five mass extinction events, this one at the close of the Triassic Period. Recorded in the dramatic sea cliffs are orangey-red rocks of the Blomidon Formation, topped by dark basalts of the North Mountain Formation that cooled from vast outpourings of lava as the giant continent Pangea began to rip apart. The global environmental change that resulted eliminated the competitors of early dinosaurs and led to the dinosaurs' reign until their extinction, some 135 million years later.

Note for visitors: Mind the rapidly rising tides of the Bay of Fundy, which are the highest in the world. Check with the park office at the entrance to Five Islands Provincial Park to find out when it is safe to round the Old Wife.

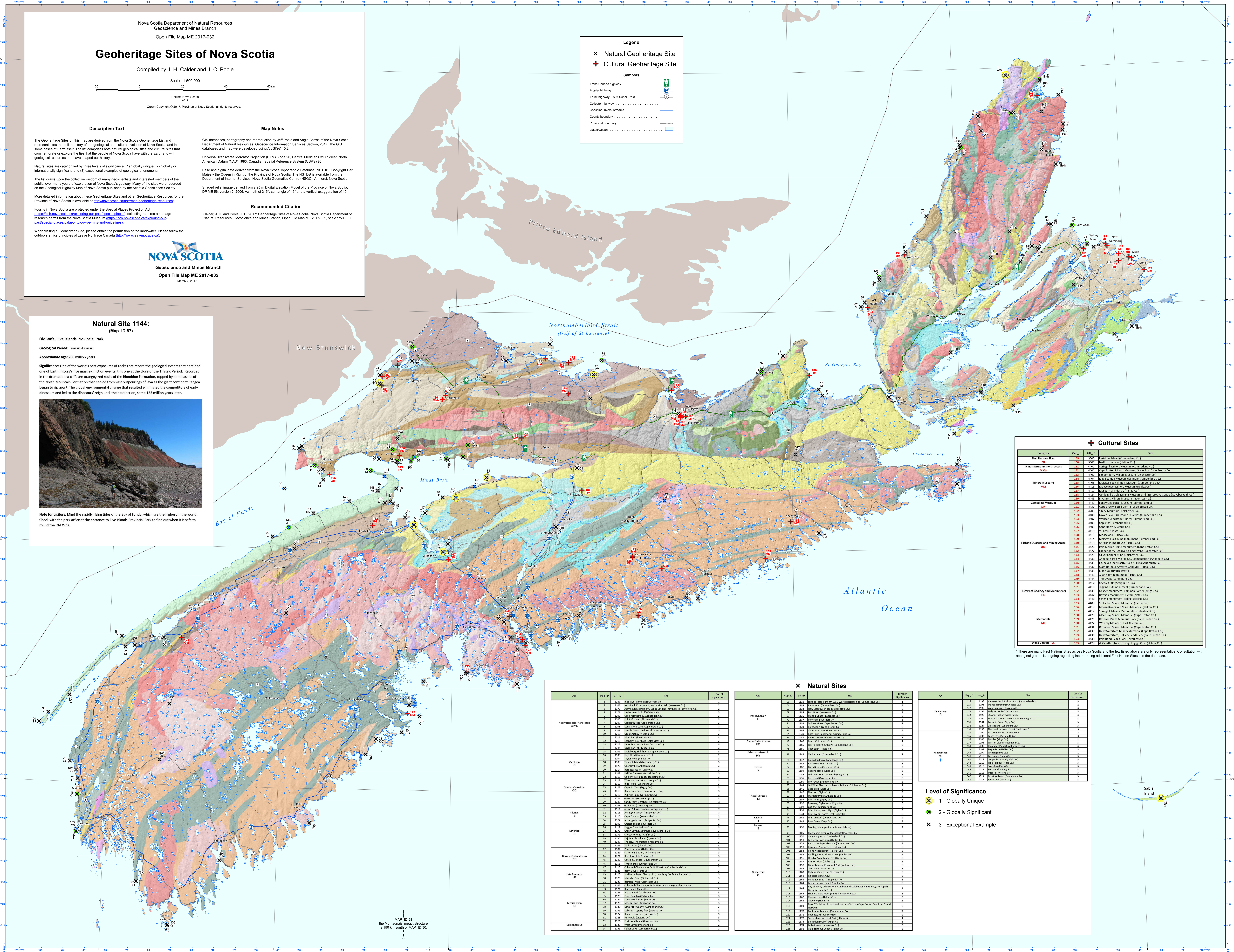
Legend

× Natural Geoheritage Site

✚ Cultural Geoheritage Site

Symbols

Symbol	
Trans Canada highway	4
Arterial highway	102
Trunk highway (CT = Cabot Trail)	4
Collector highway	
Coastline, rivers, streams	
County boundary	
Provincial boundary	
Lakes/Ocean	



MAP_ID 98
the Montagnais impact structure
is 150 km south of MAP_ID 30.

✚ Cultural Sites

Category	Map_ID	GH_ID	Site
First Nations Sites FN	149	3303	Partridge Island (Cumberland Co.)
	150	3305	Bedford barrens (Halifax Co.)
Miners Museums with access MMa	151	4400	Springhill Miners Museum (Cumberland Co.)
	152	4401	Cape Breton Miners Museum, Glace Bay (Cape Breton Co.)
Miners Museums MM	153	4402	Londonderry Miners Museum (Colchester Co.)
	154	4404	King Seaman Museum (Minudie, Cumberland Co.)
	155	4405	Malagash Salt Miners Museum (Cumberland Co.)
	156	4416	Moose River Miners Museum (Halifax Co.)
	157	4419	Museum of Industry (Pictou Co.)
	158	4424	Goldenville Gold Mining Museum and Interpretive Centre (Guysborough Co.)
	159	4445	Inverness Miners Museum (Inverness Co.)
Geological Museum GM	160	4443	Fundy Geological Museum (Cumberland Co.)
	161	4437	Cape Breton Fossil Centre (Cape Breton Co.)
Historic Quarries and Mining Areas QM	162	4208	Sibley Mountain (Colchester Co.)
	163	4406	Lower Cove Grindstone Quarries (Cumberland Co.)
	164	4407	Wallace Sandstone Quarry (Cumberland Co.)
	165	4408	Cap d'Or (Cumberland Co.)
	166	4409	Cape North (Victoria Co.)
	167	4410	St. Croix (Hants Co.)
	168	4411	Mooseland (Halifax Co.)
	169	4414	Malagash Salt Mine monument (Cumberland Co.)
	170	4418	Cornish Pump House (Pictou Co.)
	171	4426	Port Morien Mine monument (Cape Breton Co.)
	172	4427	Londonderry Beehive Coking Ovens (Colchester Co.)
	173	4429	Oliver Copper Mine (Colchester Co.)
	174	4430	Annapolis Iron Mining Co., Clementsport (Annapolis Co.)
	175	4431	Ecum Secum Arrastre Gold Mill (Guysborough Co.)
	176	4432	Clam Harbour Arrastre Gold Mill (Halifax Co.)
	177	4439	King's Quarry (Halifax Co.)
	178	4440	Allan Shaft monument (Pictou Co.)
	179	4444	The Ovens (Lunenburg Co.)
History of Geology and Monuments HG	180	4412	Crystal Cliffs (Antigonish Co.)
	181	4413	Joggins GSC monument (Cumberland Co.)
	182	4433	Gesner monument, Chipman Corner (Kings Co.)
	183	4442	Dawson monument, Pictou (Pictou Co.)
	184	4446	Schenk monument, Halifax (Halifax Co.)
Memorials ML	185	4403	Stellarton Miners Memorial (Pictou Co.)
	186	4415	Moose River Gold Mines Memorial (Halifax Co.)
	187	4417	Springhill Miners Memorial (Cumberland Co.)
	188	4420	Glace Bay Miners Memorial (Cape Breton Co.)
	189	4421	Reserve Mines Memorial Park (Cape Breton Co.)
	190	4422	Westray Memorial Park (Pictou Co.)
	191	4434	Dominion Miners Memorial (Cape Breton Co.)
	192	4435	New Waterford Miners Memorial (Cape Breton Co.)
	193	4436	New Waterford, Colliery Lands Park (Cape Breton Co.)
	194	4438	Port Hood Beach Park (Inverness Co.)
Stone Carving - SC	195	4423	deGaarthe stone carving, Peggys Cove (Halifax Co.)

* There are many First Nations Sites across Nova Scotia and the few listed above are only representative. Consultation with aboriginal groups is ongoing regarding incorporating additional First Nation Sites into the database.

× Natural Sites

Age	Map_ID	GH_ID	Site	Level of Significance
NeoProterozoic-Phanerozoic nPPh	1	1248	Blair River Complex (Inverness Co.)	1
	2	1104	Aspy Fault Escarpment, North Mountain (Inverness Co.)	2
	3	1175	Aspy Fault Escarpment, Cabot Landing Provincial Park (Victoria Co.)	2
	4	1177	Lakies Head lookoff (Victoria Co.)	3
	5	1205	Cape Porcupine (Guysborough Co.)	3
	6	1206	Point Michaud (Richmond Co.)	3
	7	1207	Coxheath Hills (Cape Breton Co.)	3
	8	1208	Kennington Cove (Cape Breton Co.)	3
	9	1209	Marble Mountain lookoff (Inverness Co.)	3
	10	1210	Cape Smokey (Victoria Co.)	3
	11	1211	Pillar Rock (Inverness Co.)	3
	12	1213	Economy River Falls (Colchester Co.)	2
	13	1217	Little Falls, North River (Victoria Co.)	3
	14	1244	Uisge Ban Falls (Victoria Co.)	3
	15	1101	Louisbourg Lighthouse (Cape Breton Co.)	3
Cambrian Є	16	1106	High Head (Yarmouth Co.)	2
	17	1107	Taylor Head (Halifax Co.)	3
	18	1108	Tancook Island (Lunenburg Co.)	3
	19	1178	Georgeville (Antigonish Co.)	3
	20	1214	Bartletts Beach (Digby Co.)	3
Cambro-Ordovician ЄO	21	1109	Halifax Fm roadcuts (Halifax Co.)	3
	22	1110	Goldenville Fm roadcuts (Halifax Co.)	3
	23	1112	Wine Harbour (Guysborough Co.)	3
	24	1113	Blue Rocks (Lunenburg Co.)	3
	25	1122	Cape St. Mary (Digby Co.)	3
	26	1218	Black Duck Cove (Guysborough Co.)	3
	27	1219	Pubnico Point (Yarmouth Co.)	3
	28	1221	Green Bay (Lunenburg Co.)	3
	29	1242	Sandy Point Lighthouse (Shelburne Co.)	3
	30	1243	Gaff Point (Lunenburg Co.)	3
Silurian S	31	1114	Arisaig Silurian seafloor (Antigonish Co.)	2
	32	1115	Arisaig volcanism (Antigonish Co.)	3
	33	1116	Cape Fourchu (Yarmouth Co.)	2
	34	1222	Arisaig paleosols (Antigonish Co.)	2
Devonian D	35	1103	Grande Falaise (Inverness Co.)	2
	36	1117	Peggys Cove (Halifax Co.)	3
	37	1176	Green Cove/MacKinnon Cove (Victoria Co.)	3
	38	1179	Chebucto Head (Halifax Co.)	3
	39	1180	Keji Seaside Adjunct (Queens Co.)	3
	40	1245	The Hawk migmatite (Shelburne Co.)	3
	41	1246	White Point (Victoria Co.)	3
Devono-Carboniferous DC	42	1181	Popes Harbour (Halifax Co.)	3
	43	1223	St. Peter's Battery (Richmond Co.)	3
	44	1224	Bear River fold (Digby Co.)	3
	45	1249	Canso mylonites (Guysborough Co.)	3
	46	1251	Three Sisters (Cumberland Co.)	3
Late Paleozoic LP	47	1118	Cobequid-Chedabucto Fault, Wharton (Cumberland Co.)	2
	48	1121	Rainy Cove (Hants Co.)	3
	49	1123	Shelburne Dyke, Cherry Hill (Lunenburg Co. & Shelburne Co.)	3
	50	1225	Marache Point (Richmond Co.)	3
	51	1226	Balmoral Mills (Colchester Co.)	3
	52	1247	Cobequid-Chedabucto Fault, West Advocate (Cumberland Co.)	2
Mississippian M	53	1124	Blue Beach (Kings Co.)	1
	54	1125	Victoria Park (Colchester Co.)	3
	55	1126	Cape Dauphin (Victoria Co.)	3
	56	1127	Kennetcook River (Hants Co.)	3
	57	1129	Monks Head (Antigonish Co.)	3
	58	1182	Dewar Hill Quarry (Cumberland Co.)	3
	59	1183	Kellys Mt. Quarry face (Victoria Co.)	3
	60	1227	Beulach Ban Falls (Victoria Co.)	3
	61	1228	Fairy Hole (Victoria Co.)	3
	62	1229	Port Hood Island (Inverness Co.)	3
Carboniferous C	63	1130	West Bay (Cumberland Co.)	2
	64	1131	Spicer Cove (Cumberland Co.)	3

Age	Map_ID	GH_ID	Site	Level of Significance
Pennsylvanian P	65	1132	Joggins Fossil Cliffs UNESCO World Heritage Site (Cumberland Co.)	1
	66	1133	Rams Head (Cumberland Co.)	3
	67	1134	New Glasgow Bridge Fault (Pictou Co.)	3
	68	1135	Port Hood (Inverness Co.)	3
	69	1136	Mabou Mines (Inverness Co.)	3
	70	1137	Inverness (Inverness Co.)	3
	71	1138	Sydney Mines (Cape Breton Co.)	2
	72	1139	Point Aconi (Cape Breton Co.)	2
	73	1184	Chimney Corner (Inverness Co.)	3
	74	1230	Boss Point Sandstones (Cumberland Co.)	3
	75	1231	Victoria Mines (Cape Breton Co.)	3
Permo-Carboniferous PC	76	1140	Brule (Colchester Co.)	1
	77	1185	Fox Harbour-Smiths Pt. (Cumberland Co.)	3
	78	1186	Cape John (Pictou Co.)	2
Paleozoic-Mesozoic PM	79	1145	Clarke Head (Cumberland Co.)	2
Triassic Ŧ	80	1142	Blomidon Picnic Park (Kings Co.)	3
	81	1143	Burntcoat Head (Hants Co.)	1
	82	1187	Carrs Brook (Colchester Co.)	2
	83	1199	Paddys Island (Kings Co.)	3
	84	1232	Delhaven-Houston Beach (Kings Co.)	3
	85	1235	Red Head (Colchester Co.)	3
	86	1250	Isle Haute (Cumberland Co.)	3
Triassic-Jurassic ŦJ	87	1144	Old Wife, Five Islands Provincial Park (Colchester Co.)	2
	88	1146	Cape Split (Kings Co.)	2
	89	1147	Tiverton (Digby Co.)	3
	90	1188	Margaretsville (Annapolis Co.)	3
	91	1189	Prim Point (Digby Co.)	3
	92	1190	Rossway, Digby Neck (Digby Co.)	3
	93	1202	Cap d'Or (Cumberland Co.)	3
	94	1233	Brier Island, West Light (Digby Co.)	3
	95	1234	Brier Island, North Light (Digby Co.)	3
Jurassic J	96	1141	Wasson Bluff (Cumberland Co.)	2
	97	1148	Ross Creek (Kings Co.)	3
Eocene E	98	1236	Montagnais impact structure (offshore)	2
Quaternary Q	99	1105	MacKenzie River Valley lookoff (Inverness Co.)	3
	100	1150	Cape Chignecto (Cumberland Co.)	3
	101	1151	Lawrencetown area (Halifax Co.)	3
	102	1152	Parrsboro Gap-Lakelands (Cumberland Co.)	3
	103	1153	Prospect-Peggys Cove (Halifax Co.)	3
	104	1154	Point Pleasant Park (Halifax Co.)	3
	105	1155	Rocking Stone, Kidston Lake (Halifax Co.)	3
	106	1156	Head of Saint Marys Bay (Digby Co.)	3
	107	1157	Salmon River (Digby Co.)	3
	108	1158	Cabot Landing Provincial Park (Victoria Co.)	3
	109	1159	Glen Tosh (Victoria Co.)	3
	110	1160	Clyburn Valley Trail (Victoria Co.)	3
	111	1162	Kingston (Kings Co.)	3
	112	1163	Pomquet Beach (Antigonish Co.)	3
	113	1164	Lawrencetown Beach (Halifax Co.)	3
	114	1165	Bay of Fundy tidal system (Cumberland-Colchester-Hants-Kings-Annapolis-Digby-Yarmouth Cos.)	1
	115	1166	Shubenacadie River (Hants-Colchester Cos.)	3
	116	1167	Chezzetcook (Halifax Co.)	3
	117	1168	Cheverie (Hants Co.)	3
	118	1169	Bras D'Or Lakes (Richmond-Inverness-Victoria-Cape Breton Cos. from Grand Narrows)	2
	119	1170	Tantramar Marshes (Cumberland Co.)	2
	120	1171	Peat bogs (Province-wide)	3
	121	1172	Sable Island National Park (offshore)	1
	122	1173	Blomidon Lookoff (Kings Co.)	3
	123	1174	Le Buttereau (Inverness Co.)	3
	124	1192	Clam Harbour Beach (Halifax Co.)	3

Age	Map_ID	GH_ID	Site	Level of Significance
Quaternary Q	125	1193	Amherst Head Bird Sanctuary (Cumberland Co.)	3
	126	1194	Mabou Harbour (Inverness Co.)	2
	127	1195	Waterloo Lake (Annapolis Co.)	3
	128	1196	Kelly Mt. lookoff (Victoria Co.)	3
	129	1197	St. Anns lookoff (Victoria Co.)	3
	130	1200	Evangeline Beach and Boot Island (Kings Co.)	3
	131	1204	Tobeatic Esker (Digby Co.)	3
	132	1237	Cross Island (Lunenburg Co.)	3
	133	1239	The Hawk drowned forest (Shelburne Co.)	3
Mineral Sites MS	134	2200	East Kemptville (Yarmouth Co.)	3
	135	2202	Foote Cove (Yarmouth Co.)	3
	136	2203	Morden (Kings Co.)	2
	137	2204	Wasson Bluff (Cumberland Co.)	3
	138	2206	Doughboy Point (Guysborough Co.)	3
	139	2207	Pogue Lake (Halifax Co.)	3
	140	2209	Walton (Hants Co.)	1
	141	2210	Tennycape (Hants Co.)	3
	142	2211	Copper Lake (Antigonish Co.)	3
	143	2212	Halls Harbour (Kings Co.)	3
	144	2213	Scots Bay (Kings Co.)	3
	145	2214	Harbourville (Kings Co.)	3
	146	2216	Mica Hill (Victoria Co.)	3
	147	2217	Partridge Island (Cumberland Co.)	3
	148	2218	Ross Creek (Kings Co.)	3

Level of Significance

- ⊗ 1 - Globally Unique
- ⊗ 2 - Globally Significant
- × 3 - Exceptional Example