Appendix 1. Paleontological Age determinations

Table 1-1. Number, age and fauna

Collection	GSC loc. No	Map unit	age	cono	graps	corals	other
1	42929	SD_B	Silurian			corals	
2	42921	SD_B	prob.Mid Dev			corals	
3	36682	SS	E-M Sil		graps		
4	93424	SD_{Br}	U Dev	cono			
5	40564	SDpy	M Dev			Amphipora	
6	40568	Sdpy	M Dev			corals	
7	40540	SDp	l M Dev			corals	
8A	36665	SDp	E Dev			corals	
8B	40490	SDp	L Sil			corals	
9	40510	SDp	M-L Sil			corals	
10	86365	uTr_H	m-L Triassic		graps		
11	36696	SD_P	E-M Sil		graps		
12	28531	muDc?	Dev			corals	
13	36694	SD_P	E-M Sil		graps		
14	36685	OS_M	E Ord		graps		
15A	36679	SD_P	M Dev			corals	
15B	36663	SD_P	M Dev			corals	
16	28522	muDc?	M Dev			corals	
17A	C-45537	OS_M	Ord-Sil		graps		
17B	C-45535	OSM	M-Ord - E Sil		graps		
17C	C-45546	OSM	Ord		graps		
17D	C-45534	OSM	M-L Ord		graps		
17E	C-45533	OSM	M-L Ord		graps		
17F	C-45530	OSM	M-L Ord		graps		
17G	C-45531	OSM	Ord-Sil		graps		
17H	C-45532	OSM	M-L Ord		graps		
17I	C-45545	OSM	M-L Ord		graps		
17J	C-45544	OSM	Silurian		graps		
18	28529	SS	E Sil		graps		
19A	C-45518	SS	Silurian		graps		
19B	C-45528	SS	E Sil		graps		
19C	C-45536	SS	E Sil		graps		
19D	C-53041	SS	Sil-Dev				brachs
20	28566	SDB	M Dev			corals	
21	28521	Ssd	E Sil		graps		
22A	93413(a)	MCTs	L Carb			corals	
22B	93413(e)	uDMBSC	L Dev-E Card	cono			
23	86364	uDMBSC	Dev				brach
24A	86354	uDMBSC	L Dev	cono			
24B	86355	uDMBSC	L Dev	cono			
25A	C-26568	uDMBSC	E Dev				echinoderms
25B	86374	uDMBSC	Pal				ostracods
26	86374	uDMBSC	E Dev				echinoderms
27A	C-26565	UTrc	Triassic	cono			
27B	86362	uTrC	L Triassic	cono			
28	C-26564	SDP	L Sil			corals	

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29	C-26566	SDP	E Dev				echinoderms
30A	28536	SDP	M Dev				brach
30B	28530	SDP	M Dev				stromat
31	28525	SS	Sil			corals	
32A	28567	SS	Sil			corals	
32B	28528	SS	Sil		graps		
33	40574	SDP	M Dev				brach
34	28534	SDpy	M Dev			corals	
35	93375	uCOG	L Camb				trilobite
36	40544	SDPr	L Dev				brach?
37	C-26563	SDB	Dev			corals	
38	89876	uCOR	L Camb				trilobite
39A	C-26561	SDB	M Ord to Perm				echinoderms
39B	C-26560	SDB	M Ord to Perm			corals	
40	C-27347	SDPd	E Ord to E Sil		graps		
41	89875	uCOR	L Camb			trilobite	
42A	C-26567	uDMBSC	E Dev				echinoderms
42B	86375	uDMBSC	L Dev	cono			
43	40505	SDP	E Sil		graps		
44A	C-27351	SDpy	Dev			corals	
44B	40508	SS	E Sil		graps		
44C	36693	Osv	L Sil - Dev		graps		
45A	36676	SDpy	Dev			corals	
45B	36672	SDpy	Dev			corals	
46	C-32750	SS	E Ord - E Sil	no reconoc	graps		
47A	93428 (a) and b)	uDMBSC	E Carb	cono		Late Tournaisian,,,	
47B	93428 (c)	uDMBSC	E Carb	cono			
48	28556	SDB	M Dev			corals	
49	36695	SDPd	Dev			corals	
50A	40494	SDP	Sil			corals	
50B	40507	SDP	Sil or Dev			corals	
51	28561	SDP	M Dev			corals	
52A	C-45521	OSM	Ord		graps		
52B	C-45527	OSM	Ord		graps		
52C	C-45523	OSM	Ord		graps		
52D	C-45525	OSM	M Ord to E Sil		graps		
52E	C-45538	OSM	Ord-Sil		graps		
52F	C-45522	OSM	Ord-Sil		graps		
52G	C-45539	SS	E Sil		graps		
52H	C-45520	SS	E Sil		graps		
52I	C-45529	SS	Sil		graps		
52J	C-45526	SS	E Sil		graps		
53A	C-53049	SS	Sil			corals	brachs
53B	C-47995	SDB	Sil			corals	brachs
54	C-53030	SDB	Dev?			corals	
55A	86376	uTrH	L Triassic	cono			
55B	86377	uTrH	L Triassic	cono			
56	86378	uTrH	L Triassic	cono			
57A	93515 (g)	uTrH	Triassic	cono			
57B	93515 (h)	uTrH	L Triassic	cono			
57C	93515 (k)	uTrH	L.Triassic	cono			
57D	93515 (m)	uTrH	L.Triassic	cono			rad (n.d.)

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57E	93515 (n)	uTrH	Triassic?	cono (n.d.)			
57F	93515 (p)	uTrH	Mid-L. Triassic	cono			rad (n.d.)
58	86366	uTrH	L.Triassic	cono			
59	86369	uDMBSC	L. Dev.	cono			
60	86370	uDMBSC	Mid. Dev.	cono			
61	86383	uTrH	Triassic	cono			
62	86372	uDMBSC	E. Miss	cono			
63	C-27356	Mfvb	Miss.	cono		coral	
64A	93420 (b)	Ps	L.Dev.-E. Miss	cono			
64B	93420 (b)	Ps	L.Dev.-E. Miss	cono			
65	C-45514	Ps	Carb.-Perm.				brach, gastropod
66	90549	uTrH	L. Triassic				brach
67A	86379	uTrH	L. Triassic	cono			
67B	86380	uTrHc	Triassic	cono			
67C	86381	uTrHc	M. Triassic	cono			
68A	93410 (a)	uTrH	L.Triassic	cono			
68B	93410 (b)	uTrH	L. Triassic	cono			
68C	93410 (d)	uTrH	M. Triassic	cono			
68D	93410 (f)	uTrH	L.Triassic	cono			
68E	93410 (j)	uTrH	L.Triassic	cono			
69	28555	muDGL	M .Dev.			corals	
70	93423	Mfvb	Miss	cono			
71	36666	SDBr	Dev.?			corals	
72	28537	SDB	M. Dev.			corals	brach
73	36662	SDB	Dev.?			corals	
74	28549	SDB	M.Dev.			corals	
75A	93510 (a)	muDGR	Paleozoic				forams
75B	93510 (b)	muDGR	Dev.?				ostracods
75C	93510 (c)	muDGR	Dev.?				ostracods
75D	40572	muDGR	M.Dev.				brach.
75E	40581	muDGR	M.-L. Dev?				brach.
76	C-47998	muDGR	Dev.?			corals	
77A	36701	muDGR	M.Dev.			corals	brach.
77B	36674	muDGR	M. Dev.				brach
78	36664	muDGR	M.Dev.			corals	
79A	40567	muDGR	M.Dev.?			corals	
79B	40577	muDGR	M.Dev.			corals	
79C	40580	muDGR	M.Dev.			corals	
80	93509 b	Mfv	E. Miss	cono			
81	93418	uDMBS	Carb.	cono			
82	93417	uDMBS	E. Miss	cono			
83	93409 (d)	uTrH	L.Triassic	cono			
84	C-53407	DMAS1	E.Dev.			corals	
85	93416	PS	E. Perm.	cono			
86A	93415 (b)	uTrH	L.Triassic	cono			
86B	93415 (c)	uTrH	L. Triassic	cono			forams
86C	93415 (e)	uTrH	L. Triassic	cono			
87	40518	SDP	Silurian			corals	
88A	C-48000	SPv	Silurian			corals	
88B	93411	SPv	Silurian	cono			
89	40520	SDB	Silurian			corals	
90	28498	SDBd	Silurian			corals	

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91	91767	lCM	Cambrian				trilobite
92A	28512	lCMc	E. Cambrian				trilobite
92B	28507	lCM	E. Cambrian				archeocyathid
93	91701	lCM	E. Cambrian				trilobite
94	91697	lCMs	Cambrian				trilobite
95	C-46791	OSM	l Mid. Ord.		grap		
96	91702	lCW	Cambrian				trilobite
97	91768	lCM	Cambrian				trilobite
98A	91703	lCM	Cambrian				trilobite
98B	91704	uCOG	L. Cambrian?				trilobite
99	36688	SDB	Silurian				brach
100	40503	SDBr	M. Dev.			corals	
101A	28562	SDB	Dev?			coral	
101B	28564	SDB	Dev.?			corals	
102	FN74-7-Misc.1	lCS	Cambrian				trilobite
103	36691	SDHq	Silurian			corals	brach
104	36675	SS	poss. Silurian			corals	
105	C-47994	SS	Sil. or Dev.			coral	
106	40499	SDHq	Sil. or Dev.			corals	
107A	40498	SS	Silurian			corals	
107B	40497	SS	E. Dev,				brach.
108	C-53048	SDHq	E. Dev,			corals	
109	40521	SDHq	Sil. or Dev.			corals	
110	C-45550	SS	Silurian		grap		
111	28499	ODNc	Devonian?			corals	
112	93503	uTrH	L. Triassic	cono			
113	40514	SDBr	Ord. or Sil.			coral	
114	36707	SDBr	Silurian			coral	
115	36702	SDBr	Silurian			coral	brach.
116	36703	SDBr	L. Sil. - M.Dev			coral	
117	40504	SDBr	Silurian			coral	
118	40492	SSd	Silurian			coral	
119A	36700	muDG	M. Dev.			coral	
119B	36686	muDG	M.Dev.			coral	
120	40491	muDG	M. Dev.			coral	
121	40509	muDG	M. Dev.			coral	
122	40522	muDG	M. Dev.			coral	
123A	C-45539	OSM	Ordovician.		grap		
123B	C-45543	OSM	Ordovician.		grap		
123C	C-45545	OSM	Ordovician.		grap		
123D	C-45541	OSM	Ordovician.		grap		
123E	C-45540	OSM	Ordovician.		grap		
123F	C-45548	OSM	Ordovician.		grap		
123G	C-45547	SS	Ordovician.		grap		
123H	C-45549	SS	Silurian			corals	
123I	C-53045	OSv	Silurian			corals	
123J	C-47999	OSv	Silurian			corals	
124	C-46850	OSM	M. Ord.		grap		
125	C-46800	OSM	M. Ord.		grap		
126A	c-46799	OSM	Ordovician.		grap		
126B	C-46798	OSM	Ordovician.		grap		
127	C-46797	SS	E. Silurian		grap		

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128	C-46796	SSd	E. Silurian		grap		
129	C-46788	OSM	M.Ord -E.Sil.		grap		
130A	C-46784 (b)	OSM	E.-M. Ord.		grap		
130B	C-46784 (a)	OSM	M. Ord.-E.Sil		grap		
131	93501	uTrH	Triassic	cono			
132	91787	uDMbs	M.Ord -Perm.			coral	
133A	91785	uTrH	L. Triassic				brach.
133B	91786	uTrH	Triassic				ammonite
134A	36673	SDHq	L.Sil. or Dev.			coral	
134B	36669	SDHq	Sil. or Dev.				brach
134C	36689	SDHq	L.Sil. or Dev.			coral	
135	93505	uTrH	M. Triassic	cono			
136A	93527 (b)	uTrH	L. Triassic	cono			
136B	93527 (g)	uTrH	L.Triassic	cono			
137	40529	SDH	Devonian			corals	
138	93436	uTrH	L.Triassic	cono			
139	93435	uTrH	L.Triassic	cono			
140	C-53046	muDGL	Devonian			corals	
141	36692	SDH	Devonian			corals	
142	C-44516	SS	Silurian		grap		
143	93443 (b)	uTrH	L.Triassic	cono			
144	93440	uTrH	M.Triassic	cono			
145	93439	uTrH	Triassic?			radiolarians (n.d.)	
146A	93442	uTrH	L.Triassic?	cono		radiolarians (n.d.)	
146B	93444	uTrH	L.Triassic			radiolarians (n.d.)	
147	93438	uTrH	L.Triassic			radiolarians (n.d.)	
148	C-53043	SDH	M.-L. Dev			corals	
149A	40495	Ssd	M. Dev.			corals	
149B	40515	Ssd	M. Dev.			corals	
150	40533	SDBr	L.Dev.				brach
151	C-47996	SDBr	Silurian			corals	
152	C-46790	SDM	Ordovician.		grap		
153	C45515	OSM	Ordovician.		grap		
154	40535	SDH	Devonian?			coral	
155	C-41894	MC	Carb. or Perm.			coral	trilobite (n.d.)
156	93479	SDBc	Ordovician.	cono			
157A	94370	uCOR	E. Ordovician				trilobite
157B	94371	uCOR	E. Ordovician				trilobite
157C	94380	uCOR	E. Ordovician				trilobite
157D	94372	uCOR	E. Ordovician				trilobite
157E	94373	uCOR	E. Ordovician				trilobite
158	94379	uCOR	E. Ordovician				trilobite
159	94378	uCOR	L. Cambrian				trilobite
160	93496	muDGL	L.Dev to Miss.	cono	grap		
161	40530	muDGL	M.Devonian	cono			
162	40590	muDGL	M. Dev.			corals	
163	94377	lCS	Cambrian				trilobite
164	94376	lCS	E. Cambrian				trilobite
165	94381	lCS	E. Cambrian				archeocyathid
166	42842	muDGL	L. Dev.		grap		
167	42864	OSM	E. Ordovician		grap		
168	42954	OSM	Ordovician.		grap		

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169	42953	SS	Sil.-E. Dev.		grap		
170	42893	uTrH	L.Triassic				brach
171	42858	uDMBSC	Miss.				brach
172A	42872	OSM	Ordovician.		grap		
172B	42865	OSM	Ordovician?		grap		
173	94368	uTrH	Triassic				brach
174	93485	uTrH	L. Triassic	cono			
175	93484	uTrH	L. Triassic	cono			
176A	42927	uDMBSC	Miss.?				brach
176B	C-76500	uDMBSC	Paleozoic				brach
176C	C-76499	uDMBSC	Dev. to Perm.			coral	
177A	C-49977	OSM	E. Ordovician		grap		
177B	80030	OSM	Ordovician		grap		
177C	80031	OSM	M. Ord. to Sil.		grap		
178	93500	CPAt	E. Carb.		grap		
179	5686	Tscg	L.Cret or Tert.				leaves
180	5684	Tscg	L.Cret or Tert.				leaves
181	4879	Tscg	Paleocene				leaves
182A	93514 (a)	PMNcg	L.Triassic	cono			
182B	93514 (b)	PMNcg	L.Triassic	cono			
183	93507	PMNp	L.Triassic	cono			
184	C-27359	SS	E.Sil to E.Dev		grap		
185	86373	uDMBS	Miss.?	cono			
186A	C-27360	uDMBS	Devonian	cono			
186B	C-27357	uDMBS	E.Ord.-E.Dev		grap		
187A	93513 (a)	PMNc	L. Carb.	cono			
187B	93513 (b)	PMNc	E.Paleozoic	cono			
188	93506	SS	ind.	cono			
189	28552	lCs	E. Cambrian				archeocyathid
190A	40506	lCM	E. Cambrian				archeocyathid
190B	40500	lCM	E. Cambrian				archeocyathid
190C	missing	lCM	E. Cambrian				archeocyathid
191	86356	uDMBSC	L.Devonian	cono			
192	93476	ODN	Sil. To Carb.	cono			
193	28560	lCS	E. Cambrian				archeocyathid
194	40573	uDMBS	Miss.				brach
195	93472 (a)	DMSs	L.Devonian	cono			
196	93474	PMNp	L.Paleozoic				brach
197	93475	SDsp	ind.	cono			
198	C-27355	uDMBSC	post-Cambrian				crinoid
199	C-27355	uDMBSC	E.Ord.-E.Dev		graps		
200	94375	uCOR	L. Cambrian				trilobite
201	86387	SDPd		cono			
202	C-102953	DMSs	L. Dev	cono			
203	C-102952	SDR	M.Devonian	cono			
204	C-087600	SDH	Silurian	cono			
205	C-087576	SDHd	M.Devonian	cono			
206	C-87598	uDMBS	Miss.	cono			