FOSSIL IDENTIFICATIONS

MAP No.	FIELD No.	GSC No.	EASTING	NORTHING	TAXA	AGE
1	JN95-3-4	C-208903	632565	6501800	Oryctocephalus sp. Dolichometopsis sp. (extensiform) Nevadella sp. [1] ex gr. P. quadrifrachiatus (Hall) Pentagraptus fruticosus (Hall)	Early Ordovician, Arenig; P. fruticosus Zone or possibly lower part of overlying D. bifidus Zone
2	CRE95-3-5-2	-	635415	6503985	Graptolites	Not determined
3	FFE95-30-12	-	630900	6505875	Graptolites	Not determined
4	CRE95-25-8-2	C-208577	628185	6514130	Archaeocyathus, conaloncnids and hyolithid fragments of large trilobite fragments	Late Early Cambrian
5	CRE95-27-16	-	623200	6519820	Archaeocyathids*	Early Cambrian
6	JN95-8-6	-	622485	6512800	Radiocaris	Not determined
7	CRE95-23-3	C-208215	618870	6512275	Graptolites[1]	Early Ordovician, Arenig or Tremadoc
8	JN95-6-3	C-208905	612315	6510200	Archaeocyathids	Early Cambrian
9	CRE95-22-4	C-208906	610418	6513900	Archaeocyathids*	Early Cambrian
10	JN95-7-8	C-208904	609100	6514900	Graptolites	Early Ordovician, Arenig; P. extoharmicus Zone, P. fruticosus Zone, or possibly lower part of D. bifidus Zone

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*W.H. Fritz, Paleontological Section; Geological Survey of Canada, Ottawa.

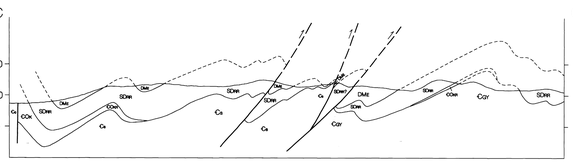
MINERAL OCCURRENCES

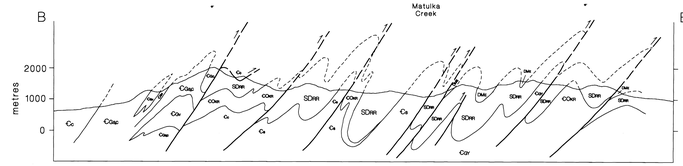
MAP No.	FIELD No.	EASTING	NORTHING	DESCRIPTION
1	FFE95-7-1-3	621320	6499390	Quartz-pyrite vein in 1 to 10 cm fracture zones; felsic volcanics, top of unit CCKc
2	FFE95-5-13-2	622800	6499470	5 to 10 cm zone of patchy galena in sheared, fractured, silicified slates; unit CCKc
3	CRE95-7-18	628240	6500820	Rusty siltstone with pyrite, disseminated and 0.5 cm long lenses; unit DME
4	CRE95-8-9	627800	6501915	0.5 m thick, bedded, barite siltstone, finely disseminated or in rosettes up to 1 cm; unit DME
5	JN95-5-7	631000	6503500	Severe, 10 to 50 cm thick barite beds in siltstone-mudstone of unit DME
6	JN95-5-8	630785	6503835	Laminated barite beds in siltstone-mudstone of unit DME
7	JN95-5-9	630500	6503900	Barite in rosettes, laminated barite, and barite lenses in mudstone, alternating over 2 m; unit DME
8	JN95-4-3	630012	6504000	As above, strongly folded
9	JN95-4-5	629925	6504125	Several layers of barite, up to 2 m thick, in laminated mudstone and slate; unit DME
10	CRE95-11-6	628600	6504615	Slate and siltstone with thin bed containing small barite crystals; unit DME
11	FFE95-12-2	625300	6508310	0.5 m thick bed of calcareous barite, in limestone and cherty argillite; unit DME
12	FFE95-13-1-1	624950	6507125	"Broken Bill barite" kill zone; regolithic granular "sand" of calcareous barite; unit DME
13	FFE95-13-1-2A	624950	6507125	"Broken Bill barite", grey, massive to bedded barite and lesser carbonate, locally slightly pyritic; unit DME
14	FFE95-13-1-2B	624950	6507125	"Broken Bill barite", rusty, felsic barite limestone; unit DME
15	FFE95-16-13	615225	6508050	Malachite-bearing, maroon and pale green siltstone; unit CCKc
16	FFE95-27-7	623300	6520300	Galena-bearing quartz in highly fractured slate, siltstone, barite limestone nearby; unit DME
17	FFE95-27-4	622975	6518950	1 to 5 cm thick beds of barite limestone; slate and siltstone with barite crystals and pyrite; unit DME
18	FFE95-25-8	622500	6515000	Barite limestone, 0.5 m thick, in slate and siltstone; unit DME
19	FFE95-23-9 to 12	620950	6510800	Calcareous barite beds, up to 2 m thick, and siltstone with 1 to 5 cm barite nodules, locally rusty; unit DME
20	FFE95-23-7	623460	6512310	Several horizons, 3 to 10 cm thick, with barite rosettes and crystals, and disseminated pyrite in siltstone and slate; unit DME
21	JN95-6-8	622485	6513800	Small chips of barite mudstone in black, bedded calcareous chert; unit DME
22	CRE95-23-3	618870	6512275	Beds of dolomitic siltstone with authigenic barite crystals, in black slates of unit CCKCR
23	CRE95-24-7	623100	6514000	2 m-thick, thinly bedded, black calcareous barite with small chert nodules, in siltstone and chert; unit DME
24	CRE95-28-5-3	624350	6515650	Pyritic slate to siltstone, rusty weathering, some coarse (2 cm) pyrite nodules; probably near base of unit DME
25	JN95-8-1	631175	6517100	Clastic-grained barite bed, 2 to 3 cm thick, in black siliceous mudstone and chert; unit DME
26	JN95-14-1	619375	6515850	Calcareous barite with small chert nodules, interbedded with chert and slate; unit DME
27	JN95-14-2	619400	6515900	Barite limestone, 0.5 m thick, with small black chert nodules, in chert and argillite; CCKc or Kc
28	CA95-2-8	616600	6517500	Weathered barite limestone, with small black chert nodules, in cherty siltstone of unit DME
29	JN95-10-10	614960	6518150	Calcareous barite bed, 1.5 m thick, with small black chert nodules, in chert and siltstone of unit DME
30	FFE95-29-11	612245	6517120	Dark grey, felsic, barite limestone with chert nodules, 0.5 m thick, in argillite and slate of unit DME
31	CA95-1-1	611000	6517400	Barite chert and limestone; unit DME
32	CA95-1-3	610500	6517750	Bed of barite chert or argillite; unit DME
33	FFE95-47-8	600595	6518200	Dark grey, barite limestone with chert nodules, up to 1.5 m thick, in slates and argillites; unit DME
34	CRE95-36-1-2	614750	6521900	Black, felsic, calcareous barite, over 1 m thick, in slates of unit DME
35	FFE95-46-11/12	616600	6524365	Massive to flaggy, 2 m-thick bed of crystalline calcareous barite, in argillites of unit DME
36	FFE95-46-1	616000	6526775	Faint, bedded, calcareous barite, 1.5 m thick, in dark grey argillites; unit DME
37	JN95-15A-12	611175	6527225	Rusty, siliceous slate with disseminated pyrite; unit DME
38	JN95-15-1	611000	6527500	Barite in rosettes, laminated barite, and barite lenses in calcareous mudstone and slate; unit DME
39	CRE95-44-3	612260	6527260	Barite limestone lenses, 0.5 to 1 m thick, with barite clasts and rosettes, in siltstone and slate; unit DME
40	FFE95-43-7JA	610270	6528340	Gossanous, 3 m-wide sphalerite-barite calcareous breccia zone in chert-limestone; top of unit SDRR (MINFILE 094L 016)
41	FFE95-43-7JB	610270	6528340	Chip sample across 3m-wide sphalerite-barite breccia zone, in chert-limestone, top of unit SDRR
42	FFE95-41-3	607700	6524525	Argillite layer, 0.5 m thick, with up to 30% barite rosettes; also barite limestone lenses; unit DME

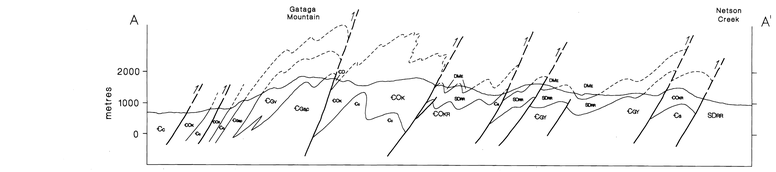
LITHOGEOCHEMICAL ANALYSES

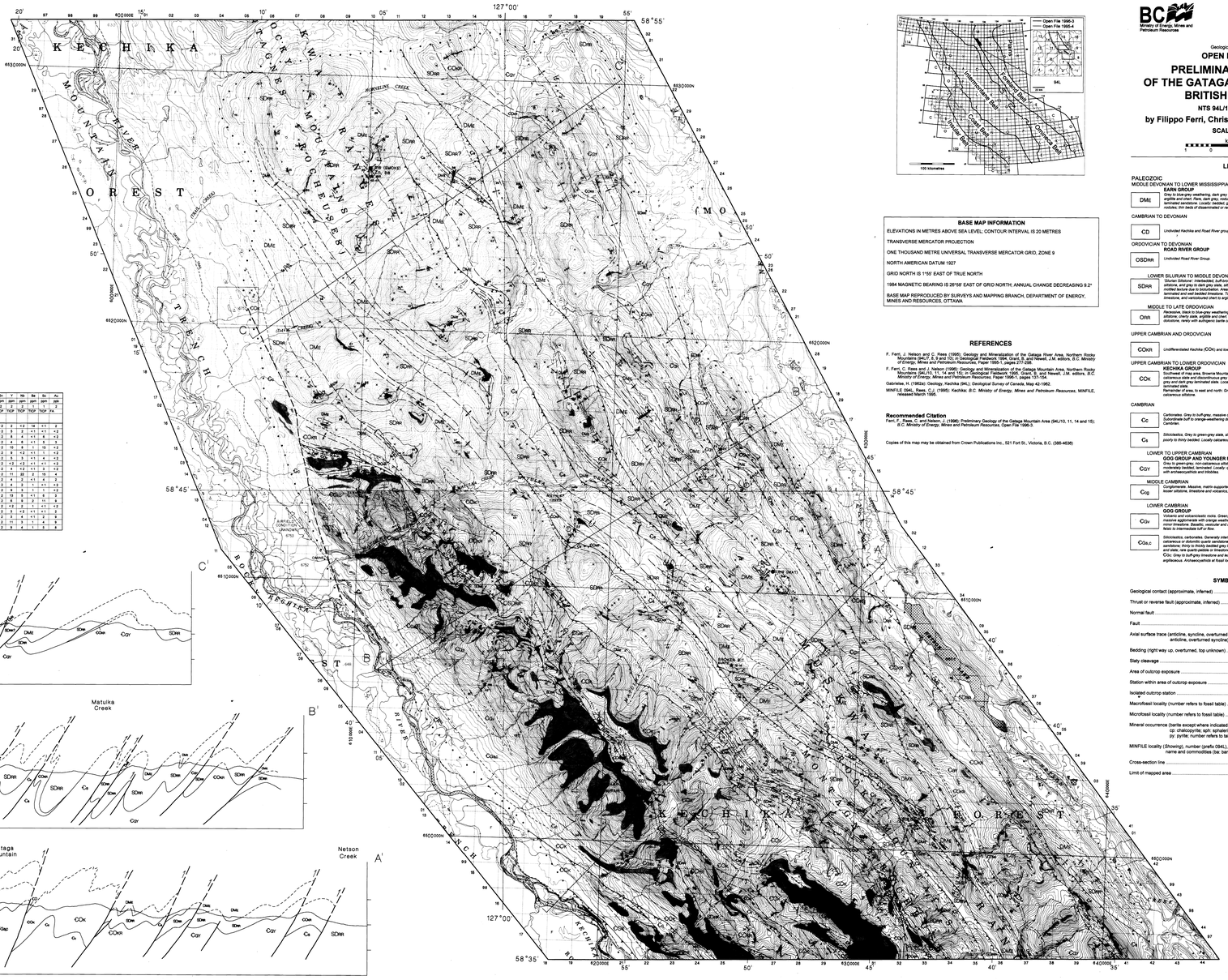
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Sn	Y	Nb	Be	Sc	Au
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Detection Limit	1	1	2	2	0.5	1	1	1	0.01	5	10	20	1	0.5	5	2	2	0.01	0.01	10	1	0.01	10	0.01	10	0.01	0.01	0.01	2	2	2	2	2	2	2	2
Method	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	TICP	7A
Map No. / Field Number																																				
1 FFE95-1-1-3	2	48	29	7	0.5	33	260	<5	07.45	35	<10	3	5	<.4	<5	<5	8	0.06	0.034	3	8	0.05	522	<.01	0.04	<.01	0.10	450	7	<2	2	<2	14	<1	1	2
2 FFE95-5-13-2	<2	67	46815	5851	30.1	7	11	25	1.14	32	<10	3	37	19.8	35	<5	45	0.58	0.026	4	14	0.02	540	<.01	0.08	0.01	0.23	50	1	<2	5	<2	4	<1	2	<2
3 CRE95-7-18	<2	12	16	44	0.5	12	13	344	2.55	<5	<10	6	150	0.5	<5	<5	42	0.55	0.036	10	30	0.84	1766	0.14	3.64	0.18	1.71	158	22	<2	8	4	<1	8	<2	<2
4 CRE95-8-9	3	19	<1.5	38	0.7	3	42	18	0.65	<5	<10	3	215	<.4	<5	<5	212	0.33	0.033	7	21	0.65	27.96%	0.13	2.51	0.05	1.04	34	22	<2	4	2	<1	5	3	3
7 JN95-4-1	2	19	30	212	<.5	56	29	120	4.07	3	<10	8	39	1.1	<5	<5	121	0.16	0.07	22	89	0.94	5612	0.3	5.78	0.62	1.25	342	48	<2	10	8	<1	13	<2	<2
11 FFE95-12-2	2	17	134	106	<.5	5	105	15	0.15	<5	15	2	5950	1	5	<5	14	1.56	0.087	4	11	0.01	44.59%	<.01	0.06	<.01	0.07	4	<2	9	<2	<2	<1	1	<2	<2
12 FFE95-13-1-1	3	16	<1.5	132	<.5	21	17	85	0.98	<5	<10	<2	790	1.5	<5	<5	131	0.16	0.041	4	11	0.08	41.48%	0.01	1.82	0.16	0.42	26	14	<2	5	3	<1	4	<2	<2
13 FFE95-13-1-2A	<2	3	<1.5	36	<.5	3	16	<5	0.15	<5	10	<2	555	0.5	<5	<5	26	0.28	0.007	<2	4	0.01	47.67%	<.01	0.3	0.08	0.04	14	<2	<2	<2	<2	<1	<1	<2	<2
14 FFE95-13-1-2B	3	11	<1.5	80	<.5	16	11	50	0.69	<5	<10	<2	1576	1	<5	<5	56	0.50	0.03	3	11	0.12	29.29%	0.03	1.24	0.01	0.08	32	6	<2	4	<2	<1	3	<2	<2
15 FFE95-16-13	<2	5	<1.5	145	2.2	46	24	1018	5.54	<5	<10	5	95	<.4	<5	<5	136	0.05	0.06	60	1.78	1.64	26	0.07	0.38	0.01	0.34	38	2	38	<2	1	20	2	15	4
16 FFE95-27-4	<2	50	11300	9412	16.1	<2	2	19	3.41	<5	<10	3	31	3.1	<5	<5	57	0.69	0.026	2	7	0.3	11.00%	0.08	2.01	0.02	0.79	88	15	<2	4	2	<1	4	3	<2
18 FFE95-25-8	3	8	7	18	0.5	2	4	118	1.01	<5	<10	<2	1251	0.5	<5	<5	21	0.16	0.015	<2	3	0.01	1.00%	0.01	0.08	<.01	0.02	6	<2	<2	<2	<2	<1	<1	<2	<2
19 FFE95-23-10	3	31	<1.5	135	<.1	8	135	20	2.17	15	34	3	5717	<.4	10	<5	101	0.54	0.201	<5	16	0.01	36.92%	0.01	0.36	<.01	0.13	30	7	<2	6	3	<1	2	<2	<2
20 FFE95-23-7	7	58	10	111	0.6	17	13	428	4.79	<5	<10	3	482	1.1	9	<5	195	16.56	0.198	10	41	0.08	10461	0.12	0.08	0.05	0.19	10	28	<2	13	5	<1	6	3	3
24 CRE95-28-5-3	<2	28	25	45	<.5	15	6	93	3.5	<5	11	3	87	<.4	<5	<5	87	0.47	0.045	36	58	1.05	1265	0.26	0.28	0.02	0.22	8	10	<2	8	7	<1	8	3	3
34 CRE95-36-1-2	<2	5	<1.5	87	0.7	<2	124	20	0.98	<5	40	3	3290	0.8	7	<5	83	0.66	0.021	<2	<2	0.03	48.58%	<.01	0.13	<.01	0.06	11	4	<2	<2	2	<1	<1	<2	<2
38 FFE95-46-1	28	8	8	87	<.5	20	32	11	0.14	<5	14	<2	2088	1.8	<5	<5	20	0.37	0.058	3	5	0.02	48.54%	<.01	0.24	<.01	0.08	3	4	<2	<2	<2	<1	<1	<2	<2
39 JN95-15A-12	11	38	7	110	0.7	31	84	8	1.19	63	<10	3	106	<.4	<5	<5	230	0.11	0.095	7	43	0.08	3271	0.05	1.33	0.04	0.44	79	111	<2	3	4	<1	2	8	<2
40 FFE95-43-7JA	29	101	58	2138	1.1	144	5	60	460	22.52	10	7	94	5.9	31	<5	11	0.17	0.039	30	5	0.02	3970	0.08	0.02	0.04	0.06	90	25	<2	3	4	<1	2	8	<2
41 FFE95-43-7-3B	2	225	20	10922	9.1	30	18	471	1.9	12	<10	3	60	152.4	76	<5	40	4.01	0.024	6	39	1.84	9840	0.12	2.8	0.03	1.28	173	23	<2	8	4	<1	5	8	8

TICP: ICP-OES/ICP-MS Inductively Coupled Plasma Emission Spectroscopy
AA: Atomic Absorptiometry
FA: Fire Assay
TICP and FA by ACME Analytical Laboratories, Vancouver, B.C.
AAP by Cominco Research Laboratories, Vancouver, B.C.





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