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GEOLOGICAL SURVEY OF CANADA / COMMISSION GÉOLOGIQUE DU CANADA

BRITISH COLUMBIA
Ministry of Energy, Mines and Petroleum Resources

PALEONTOLOGY

MAP #	GSC LOC #	FIELD #	COLLECTER	DATE (mo/dy/yr)	NTS MAP	UTM ZONE	DATUM	UTM Easting	UTM Northing	LAT.	LONG.	GEOGRAPHICAL LOCATION	FOSSILS	AGE	IDENTIFIER	REPORT NO. [1]
1	79699	F1-44-TD	H.W. Tipper	1967	93D/01	9U	NAD27			52°00'00"	126°00'00"	Northwest of Talchako Glacier	Possible bivalve? imprint (*Acila*? sp.) Indeterminate organic(?) matter	Cretaceous or younger Indeterminate	J.A. Jeletzky J.W. Haggart	Km-12-1967-JAJ This report
2	65044	BT-28-01-64	A.J. Baer	1964	93D/07	9U	NAD27			52°29'	126°30'	Approximately 6.5 km northwest of Salloomt Peak, elev. 6000' [2]	cf. *Lima* (*Limea*) ex gr. *blakei* Cox; *Ostrea*? sp. indet.; *Rhynchonella* (s. str.) ex aff. *alemanica* Rollier;	Early to Middle Jurassic	J.A. Jeletzky	Km-7-1965-JAJ
	C-306164	SCB-01-2501-1	L.C. Struik	08/13/01	93D/07	9U	NAD83	669643	5818001			In saddle at base of highest peak on the ridge north of Salloomt Peak	Trigoniid bivalves, poorly-preserved fragments and molds with some resemblance to *Myophorella* cf. *yellowstonensis* Imlay?; bivalves, fragments, possible ostreids?; bivalves, fam. indet., fragments	Middle Jurassic to Early Cretaceous	J.W. Haggart	JWH-2001-07
	C-306170	SCBM-01-1701-1	J.B. Mahoney	08/08/01	93D/07	9U	NAD83	669653	5818073			North end of Salloomt Peak ridge, ca. 200 m north of nonconformity between 'Firvale pluton' and Monarch volcanics	Trigoniid bivalves, fragments, gen. et sp. indet.; bivalves, fam. indet., fragments	Jurassic-Cretaceous	J.W. Haggart	JWH-2001-07
	C-306171	SCBM-01-1705-1	J.B. Mahoney	08/08/01	93D/07	9U	NAD83	669498	5818314			North end of Salloomt Peak ridge, east side, approximately 40-50 m stratigraphically above nonconformity between 'Firvale pluton' and Monarch volcanics	Ammonite mould, probably compressed form; wood fragments	Late Mesozoic	J.W. Haggart	JWH-2001-07
3	C-211801	SCB-01-2901-1	L.C. Struik	08/21/01	93D/08	9U	NAD83	670475	5818050			Southeast of highest peak on the ridge north of Salloomt Peak	Possible harpoceratid ammonites?	Jurassic to Early Cretaceous?	J.W. Haggart	JWH-2001-07
	C-306441	HFB-02-1601-2	J.W. Haggart	09/01/02	93D/08	9U	NAD83	670569	5817098			Southeast of highest peak on the ridge north of Salloomt Peak	*Leconteites*? sp.; ammonite, indet.; *Aucellina*? sp.; bivalve, indet.	Albian?	J.W. Haggart	This report
	C-306442	HFB-02-1601-5	J.W. Haggart	09/01/02	93D/08	9U	NAD83	670449	5817293			Southeast of highest peak on the ridge north of Salloomt Peak	*Leconteites deansi* (Whiteaves); cf. *Moffitites robustus* Imlay; *Puzosia*? sp.	Late Early Albian	J.W. Haggart	This report
4	C-307255	HFB-04-Lower	J.W. Haggart	07/27/04	93D/08	9U	NAD83	669794	5818318			Southwest of Salloomt Lake	*Dichotomites*? sp.; bivalve indet.	Valanginian?	J.W. Haggart	This report
5	65045	BT-28-03-64	A.J. Baer	1964	93D/09	9U	NAD27	670200	5843600	52°43	126°28'	On ridge west of Crag Creek, elev. 5800' [3]	*Ostrea* (?) sp. indet.; *Pinna* (?) sp.; *Camptonectes* (*Camptochlamys*)? sp.; *Camptonectes* (?) sp.; *Lopha marshii* (Sowerby); *Lopha* (?) sp., large, with well-developed ligament attachment; cf. *Lima* (*Limea*) ex gr. *blakei* Cox; other bivalves, indet.; rhynchonellid brachiopods, indet.; terebratulid brachiopods, indet.	Early to Middle Jurassic Jurassic? Jurassic?	J.A. Jeletzky T.P. Poulton T.P. Poulton	Km-7-1965-JAJ J16-1989-TPP J4-2001-TPP
	65046	HSB-36-02-64	A.J. Baer	1964	93D/09	9U	NAD27	670200	5843600	52°43	126°28'	On ridge west of Crag Creek, elev. 5800' [3]	*Camptonectes* sp.; *Lima* (*Limea*) ex gr. *blakei* Cox; *Lima* spp.; Bivalves, indet.; *Meleagrinella* (?) sp. or *Entolium* (?) sp.; ostreiid(?) bivalves, indet.; *Rhynchonella* (s. str.) ex aff. *baksanensis* Mojsisovics; rhynchonellid brachiopods, indet.; terebratulid brachiopods, indet.	Early to Middle Jurassic Jurassic? Jurassic?	J.A. Jeletzky T.P. Poulton T.P. Poulton	Km-7-1965-JAJ J16-1989-TPP J4-2001-TPP
6	C-082681	80-WV-856	G.J. Woodsworth	1980	93D/09	9U	NAD83	674244	5834218			Near summit approximately 3 km south of Mount Collins at 6400'	*Cylindroteuthis (Arctoteuthis)* ex gr. *septentrionalis* Bodylevsky; bivalves indet.	Callovian to early Oxfordian	J.A. Jeletzky	Km-7-1981-JAJ
	C-306158	01-LDi-25.04	L.J. Diakow	2001	93D/09	9U	NAD83	673811	5834691			Ridge 2.6 km at 147° from Mount Collins summit	Belemnites, gen. and sp. indet.	Jurassic-Cretaceous	J.W. Haggart	JWH-2001-07
7	C-306159	01-LDi-25.07	L.J. Diakow	2001	93D/09	9U	NAD83	673800	5836250			Cirque bottom approximately 1.6 km at 120° from Mount Collins summit	Probable cadoceratid ammonite; belemnites, gen. and sp. indet.	Probably Bathonian or Callovian	J.W. Haggart T.P. Poulton	JWH-2001-07 Pers. comm., 2002
	C-306895	01-LDi-25.07	L.J. Diakow	2001	93D/09	9U	NAD83	673800	5836250			Cirque bottom approximately 1.6 km at 120° from Mount Collins summit	Microfossil collection: radiolarians	Late Bathonian to Early Callovian	E.S. Carter	Pers. comm., 2005
8	C-307242	HFB-04-29	J.W. Haggart	07-27-04	93D/09	9U	NAD83	673959	5835846			Cirque southeast of Mount Collins	Belemnites, gen. and sp. indet.	Jurassic to Early Cretaceous	J.W. Haggart	This report
	C-307243	HFB-04-30	J.W. Haggart	07-27-04	93D/09	9U	NAD83	673556	5835890			Cirque southeast of Mount Collins	Belemnites, gen. and sp. indet.	Jurassic to Early Cretaceous	J.W. Haggart	This report
	C-307244	HFB-04-32	J.W. Haggart	07-28-04	93D/09	9U	NAD83	673620	5835463			Cirque southeast of Mount Collins	Belemnites, gen. and sp. indet.	Jurassic to Early Cretaceous	J.W. Haggart	This report
	C-307251	HFB-04-95	J.W. Haggart	08/17/04	93D/09	9U	NAD83	674045	5835290			Cirque southeast of Mount Collins	Belemnites, gen. and sp. indet.	Jurassic to Early Cretaceous	J.W. Haggart	This report
9	C-306162	SCB-01-1703-1	L.C. Struik	07/27/01	93D/10	9U	NAD83	666250	5825500			Float from near toe of glacier south of Necleetsconnay River and approximately 160° ESE of Mount Creswell; 1550 m elev	*Phymatoceras* (?) sp.; compressed, involute ammonite with smooth whorl, indet.; *Pleuromya* (?) sp.; *Mactra* (?) sp.; bivalves, fam. indet.	Early Jurassic?	J.W. Haggart	This report
10	C-306161	SCB-01-1402-2	L.C. Struik	07/22/01	93D/10	9U	NAD83	662248	5824458			Peak south of Necleetsconnay River and to 190° from Mount Creswell; 2005 m elev	Ammonite fragment, indet.; bivalve, pectinid? conifer frond	Possibly Mesozoic	J.W. Haggart	This report
11	C-053553	WVV-303-78	P. van der Heyden	1978	93D/10	9U	NAD83	662874	5830368			Northwest ridge of Mount Creswell, 7200'	*Rhynchonella* (s. str.) ex aff. *baksanensis* Mojsisovics; rhynchonellid brachiopods, indet.; bivalves indet.	Probably Mesozoic	E.T. Tozer	Tr-3-1979-ETT
12	C-306167	SCBH-01-2304-2	M. Hrudey	08/08/01	93D/10	9U	NAD83	660394	5830245			Cirque west of Mount Creswell; 1200 m elev	Ammonite fragment, indet	Probably Mesozoic	J.W. Haggart	This report
	C-306168	SCBH-01-2304-3	M. Hrudey	08/08/01	93D/10	9U	NAD83	660394	5830245			Cirque west of Mount Creswell; 1200 m elev	Hildoceratid? ammonite fragments	Probably Jurassic to Early Cretaceous	J.W. Haggart	This report
13	C-306160	SCB-01-1106-3	L.C. Struik	07/17/01	93D/10	9U	NAD83	657779	5829642			5.5 km due west of Mount Creswell	*Pleydellia*? sp.; *Phymatoceras*? sp.; *Mytiloides* sp.; bivalves, indet.; conifer frond	Toarcian?	J.W. Haggart	This report
	C-306165	SCB-01-2502-1	L.C. Struik	08/13/01	93D/10	9U	NAD83	657607	5829789			5.5 km due west of Mount Creswell; 1915 m elev	*Pleydellia* sp.; *Fanninoceras* sp.; *Mytiloides* sp.; bivalve, gen. and sp. indet.; conifer fronds	Early Jurassic (Toarcian? Pliensbachian?)	J.W. Haggart	JWH-2001-07
	C-306427	SCB-01-2503-1	L.C. Struik	08/05/01	93D/10	9U	NAD83	657556	5829848			Approximately 5.5 km west of Mount Creswell	Microfossil collection: sponge spicules	Phanerozoic	M.J. Orchard	MJO-2005-7
	C-307271	SCBM-01-2101-1	J.B. Mahoney	2001	93D/10	9U	NAD83	658843	5829642			Ridge 5 km due west of Mount Creswell	*Phymatoceras* (?) sp.	Early Jurassic?	J.W. Haggart	This report
14	C-306163	SCB-01-2105-1	L.C. Struik	08/06/01	93D/10	9U	NAD83	653326	5830789			South of Swallop Creek; 1390 m elev	Ammonite, deeply weathered, indet.	Probably Mesozoic	J.W. Haggart	This report
15	C-306166	SCB-01-2504-1	L.C. Struik	08/13/01	93D/10	9U	NAD83	661103	5836582			Cirque due east of Index Crag, in north side of cirque wall; 1560 m elev	*Pleydellia* sp.aff. *maudensis* Jakobs & Smith; *Phymatoceras* sp.	Toarcian	J.W. Haggart	This report
	C-306169	SCBM-01-0802-1	J.B. Mahoney	07/17/01	93D/10	9U	NAD83	661226	5836494			Cirque due east of Index Crag; 1970 m elev	*Phymatoceras*? sp.	Toarcian?	J.W. Haggart	This report
16	C-306437	HFB-02-1103-1	J.W. Haggart	08/13/02	93D/10	9U	NAD83	658300	5835075			Ridge approximately 3 km WNW of Kalone Peak	Bivalve, indet.; conifer fronds	Mesozoic	J.W. Haggart	This report
	C-306438	HFB-02-1104-1	J.W. Haggart	08/13/02	93D/10	9U	NAD83	658325	5835215			Ridge approximately 3 km WNW of Kalone Peak	*Fanninoceras*? sp.; *Amaltheus*? sp.; *Protogrammoceras* sp.	Toarcian	J.W. Haggart	This report
17	C-306415	HFB-02-0602-1	J.W. Haggart	08/07/02	93D/10	9U	NAD83	654465	5834020			Ridge approximately 7 km west of Kalone Peak	Microfossil collection: sponge spicules	Phanerozoic	M.J. Orchard	MJO-2005-9
	C-306426	HFBM-02-1602-3	J.B. Mahoney	08/07/02	93D/10	9U	NAD83	654355	5834235			Ridge approximately 7 km west of Kalone Peak	Microfossil collection: echinoderm	Phanerozoic	M.J. Orchard	MJO-2005-9
	C-306433	HFB-02-0601-1	J.W. Haggart	08/07/02	93D/10	9U	NAD83	654520	5834090			Ridge approximately 7 km west of Kalone Peak	*Camptonectes (Camptochlamys)*? sp.; *Cylindroteuthis*? sp.; '*Rhynchonella*' sp.; belemnite indet.; bivalves, indet.	Early Jurassic? Pliensbachian?	J.W. Haggart	This report
	C-306439	HFB-02-1304-1	J.W. Haggart	08/15/02	93D/10	9U	NAD83	654645	5833885			Ridge approximately 7 km west of Kalone Peak	Bivalve indet.	Mesozoic?	J.W. Haggart	This report
	C-306440	HFB-02-1305-3	J.W. Haggart	08/15/02	93D/10	9U	NAD83	654650	5833820			Ridge approximately 7 km west of Kalone Peak	*Lima* sp.; '*Rhynchonella*' sp.	Early Jurassic?	J.W. Haggart	This report
	C-306443	HFBM-02-1602-1	J.B. Mahoney	08/07/02	93D/10	9U	NAD83	654480	5834222			Ridge approximately 7 km west of Kalone Peak	Belemnite, indet.; bivalve fragments, indet.	Jurassic to Early Cretaceous	J.W. Haggart	This report
18	C-306435	HFB-02-0603-1	J.W. Haggart	08/07/02	93D/10	9U	NAD83	654239	5834575			Ridge approximately 7 km west of Kalone Peak	Belemnite, indet.	Jurassic to Early Cretaceous	J.W. Haggart	This report
19	C-306436	HFB-02-0605-1	J.W. Haggart	08/07/02	93D/10	9U	NAD83	653270	5835362			Approximately 8 km west of Kalone Peak	Ammonite, indet.; hildoceratid ammonite?	Pliensbachian?	J.W. Haggart	This report
20	C-307270	SCBM-01-1104-1	J.B. Mahoney	2001	93D/10	9U	NAD83	655466	5838431			Due north of saddle south of elongate 6700' NW-SE ridge crest of Kalone Creek; 5700' elev	*Protogrammoceras*? sp.; *Fanninoceras*? sp.	Toarcian?	J.W. Haggart	This report
21	C-404725	HFBM-02-1902-1	J.W. Haggart	08/18/02	93D/15	9U	NAD83	664929	5872982			Approximately 3 km ENE of Jumble Mountain	*Troitsaia westermanni* Poulton & Tipper; bivalves, indet.	Earliest Aalenian	T.P. Poulton	Pers. comm., 2003
	C-404726	HFBM-02-2002-1	J.W. Haggart	08/19/02	93D/15	9U	NAD83	665010	5872919			Approximately 3 km ENE of Jumble Mountain	*Troitsaia westermanni* Poulton & Tipper; bivalves, indet.	Earliest Aalenian	T.P. Poulton	Pers. comm., 2003
	No #		J.C. Lund		93D/15	9U	NAD83	665000	5872600			Approximately 3 km ENE of Jumble Mountain [4]	*Trigonia* sp. cf. *T. dawsoni* (Whiteaves); bivalves, indet.; high-spired gastropods, indet.; possible ammonite fragment (stephanoceratid?); corals, indet.	Probably Early Middle Jurassic (Bajocian)	H.W. Tipper	GSC unnumbered report
22	83375		G.M. Dawson	1876	93D/16	9U	NAD27			52°53'	126°15'	Iltasyuko River [5]	Stephanoceratid(?), or kosmoceratid(?), or cardioceratid(?) ammonites, fragments; *Chondroceras* (?), *Iniskinites* (?), or *Lillooettia* (?) sp.; *Inoceramus* sp.; *Ostrea* sp.; *Camptonectes* sp.; terebratulid brachiopods, indet.; serpulids, indet.	Middle Jurassic	H. Frebold T.P. Poulton T.P. Poulton	J6-1969-HF J16-1989-TPP J4-2001-TPP
23	50919	BTc-62-2/19a	A.J. Baer	1962	93D/16	9U	NAD27	688000	5871000			Float collection from unknown locality "near camp on Sigutlak Lake"	Stephanoceratid ammonites, indet. (fragments); *Myophorella* sp.; *Oxytoma* sp.; *Astarte* sp.; *Corbula* (?) sp., small; *Grammatodon* (?) sp., small, smooth; *Pleuromya* sp.; *Inoceramus* (?) sp., small fragment; *Belemnoteuthis* (?) sp.; serpulid worm tubes encrusted on *Belemnoteuthis* (?) shell	Early Bajocian	H. Frebold T.P. Poulton T.P. Poulton	J9-1962-HF J16-1989-TPP J4-2001-TPP
	83436		G.M. Dawson	1875	93D/16	9U	NAD27	688000	5871000			Unknown locality at "Sigutlat Lake"	*Stephanoceras* sp.; *Gryphaea*? sp.	Early Bajocian	T.P. Poulton T.P. Poulton	J16-1989-TPP J4-2001-TPP
24	79697	F1-45-TD	H.W. Tipper	1967	92M/16	9U	NAD27			51°55'	126°05'	East of Sumquolt Glacier [6]	Poor ammonites, cf. *Cleoniceras (?Grycia) perezianum*; bivalves, indet.; irregular echinoids (*Toxaster*?)	Possibly late Early Albian	J.A. Jeletzky	Km-12-1967-JAJ
	79703	F3-45-TD	H.W. Tipper	1967	92M/16	9U	NAD27			51°55'	126°05'	East of Sumquolt Glacier [6]	Poor ammonites, cf. *Cleoniceras (?Grycia) perezianum*; poor ammonites, cf. *Brewericeras hulenense*; bivalves, indet.	Probably late Early Albian	J.A. Jeletzky	Km-12-1967-JAJ
	79711	F2-45-TD	H.W. Tipper	1967	92M/16	9U	NAD27			51°55'	126°05'	East of Sumquolt Glacier [6]	cf. *Cleoniceras (?Grycia) perezianum*; Poor ammonites, cf. *Brewericeras hulenense*; ammonites, gen. et sp. indet.; bivalves, indet.; echinoids (*Toxaster*?)	Possibly late Early Albian	J.A. Jeletzky	Km-12-1967-JAJ
	79740	F7-45-TD	H.W. Tipper	1967	92M/16	9U	NAD27			51°55'	126°05'	East of Sumquolt Glacier [6]	Possible non-marine bivalves	Indeterminate	J.A. Jeletzky	Km-12-1967-JAJ
	79742	F6-45-TD	H.W. Tipper	1967	92M/16	9U	NAD27			51°55'	126°05'	East of Sumquolt Glacier [6]	Hoplitid ammonite, possibly *Anahoplites*	Probably Albian	J.A. Jeletzky	Km-12-1967-JAJ
	79750	F5-45-TD	H.W. Tipper	1967	92M/16	9U	NAD27			51°55'	126°05'	East of Sumquolt Glacier [6]	Plant material		W.A. Bell	FI-1-1968-WAB
	79753	F4-45-TD	H.W. Tipper	1967	92M/16	9U	NAD27			51°55'	126°05'	East of Sumquolt Glacier [6]	cf. *Cleoniceras (?Grycia) perezianum*	Possibly late Early Albian	J.A. Jeletzky	Km-12-1967-JAJ
25	96918	79RD-EB-59015	G.J. Woodsworth	1979	92M/16	9U	NAD27			51°54'25"	126°05'42"	Ridge between Princess and Sumquolt glaciers, 7.7 km SE of Cerberus Mtn	cf. *Cleoniceras (?Grycia)* ex gr. *perezianum*; echinoids, probably *Toxaster*	Albian	J.A. Jeletzky	Km-3-1980-JAJ JWH-1994-11
26	C-307245	HFB-04-40	J.W. Haggart	08-01-04	92M/16	9U	NAD83	698850	5752415			Obstreperous Ridge (float occurrence)	*Cleoniceras (?Grycia) perezianum*; bivalve	Albian	J.W. Haggart	This report
27	C-307246	HFB-04-43	J.W. Haggart	08-01-04	92M/16	9U	NAD93	699525	5753275			Obstreperous Ridge	Echinoids	Cretaceous	J.W. Haggart	This report
	C-307247	HFB-04-45	J.W. Haggart	08-01-04	92M/16	9U	NAD83	699725	5753360			Obstreperous Ridge	*Cleoniceras (?Grycia) perezianum*	Albian	J.W. Haggart	This report
	C-307265	HFB-04-44	J.W. Haggart	01-00-00	92M/16	9U	NAD83	699525	5753275			Obstreperous Ridge	*Cleoniceras (?Grycia) perezianum*; echinoids	Albian	J.W. Haggart	This report

[1] Unpublished G.S.C. Fossil Report numbers
[2] Baer (GSC Map 1327A) plotted this locality in saddle north of Salloomt complex, hence 93D/07
[3] Baer (GSC Memoir 372) gives the approximate location of this locality as noted; UTM loc data given here reflect the location plotted on Baer's field map
[4] Collection located within 0.5 km radius
[5] Collection located approximately
[6] Collection located approximately; probably from same area as collections C-307246, C-307247, and C-307265

GEOCHRONOLOGY

MAP #	FIELD #	AGE (Ma)	LAB [1]	UTM Easting (NAD83)	UTM Northing (NAD83)	GEOGRAPHICAL LOCATION	LITHOLOGY	ROCK UNIT	REFERENCE
1	HFBL02-2003	191 ± 12 (U/Pb)	UBC	651942	5870269	W of East Sakumtha River	Quartz-dacite lapilli tuff	Hazelton Group	R. Friedman (this study)
2	HFBM02-3020	189 ± 0.8 Ma (U/Pb)	UBC	655520	5782130	Howe Lake	Tonalite	Howe Lake plutonic suite	R. Friedman (this study)
3	GJP-27	182.4 ± 4.7 Ma (U/Pb)	Univ Az	631589	5832108	1.5 km SW of Wattie Point	Diorite	Howe Lake plutonic suite	G. Gehrels (pers. comm., 2006)
4	HFBL02-1604-1	181.9 ± 0.8 (U/Pb)	UBC	667038	5796259	6 km N of Mount Saugstad	Foliated biotite tonalite	Howe Lake plutonic suite	R. Friedman (this study)
5	HFB03-0508-1	181.6 ± 1.0 Ma (U/Pb)	UBC	652740	5835620	Ridge W of Kalone Peak	Quartz-rich crystal lithic tuff	Hazelton Group	R. Friedman (this study)
6	HFBM02-1405-1	176.5 ± 0.6 (U/Pb)	UBC	664895	5872855	NE of Jumble Mountain	Crystal-lithic lapilli tuff	Hazelton Group	R. Friedman (this study)
7	SCBD01-0605	171.6 ± 2.3 (U/Pb)	UBC	677545	5828855	Lowermost N slope of Tzeetsaytsul Peak	Aphanitic dacite flow dome	Hazelton Group	R. Friedman (this study)
8	HFBL02-1404-1	170.2 ± 1.4 (U/Pb)	UBC	672070	5828107	NW of Mount Stepp	Quartz-rhyolite flow	Noosgulch assemblage	R. Friedman (this study)
9	SCB01-4104/VN01-B05	Detrital zircon continuum: 180-138 Ma, with peak ca. 160 Ma (U/Pb)	GSC-O	656057	5829560	Ridge between Swallop Creek and Necleetsconnay River, apprxoimately 7 km W of Mount Creswell	Wacke with granitic detritus	Monarch assemblage	M. Villeneuve (this study)
10	SCBD01-2502	164.7 ± 2 (U/Pb)	UBC	673912	5834551	Ridge SE of Mount Collins	Rhyolite ash-flow tuff	Noosgulch assemblage	R. Friedman (this study)
11	GR96-124	164.2 ± 4.4 (U/Pb)	UBC	675150	5828850	Nifty mineral prospect	Quartz-phyric rhyolite dyke	Noosgulch assemblage	Ray *et al.* (1998)
12	SCB00-0707-1	163.7 ± 0.4 (U/Pb)	GSC-O	675234	5829271	Nifty area	Dacitic breccia	Noosgulch assemblage	M. Villeneuve (this study)
13	HFBL02-3001-3	162.4 +1.3/-0.6 (U/Pb); 72.9 ± 1.1 Ma (Ar/Ar [K-fspar])	UBC	674616	5841390	NE of Stack Peak	Biotite granodiorite	Firvale plutonic suite [5]	R. Friedman and T. Ullrich (this study)
14	V89-56-4	159.6 ± 0.5 (U/Pb)	vdH	700147 [2]	5800899 [2]	2 km NNW of Nordschow Creek	Mylonitic granodiorite	Firvale plutonic suite?	van der Heyden (2004)
15	GJP-24	157.1 ± 3.2 Ma (U/Pb)	Univ Az	638343	5839975	E side Dean Channel opposite mouth of Sutslem Creek	Diorite	JKp	G. Gehrels (pers. comm., 2006)
16	04-M-213	149.1 ± 0.5 (U/Pb)	UBC	636263	5873462	E of Dam Mountain	Hornblende-biotite granodiorite	Firvale plutonic suite [5]	R. Friedman (this study)
17	HFBL02-0601-1	149 ± 1 (U/Pb)	UBC	660793	5853994	SW of Mount Bernhardt	Hornblende-biotite granodiorite	Firvale plutonic suite [5]	R. Friedman (this study)
18	HFBL02-3004-2	148.6 ± 0.6 (U/Pb)	UBC	665129	5840789	S of Forward Mountain	K-mega granodiorite	Firvale plutonic suite [5]	R. Friedman (this study)
19	GJP-1	144.5 ± 2.9 Ma (U/Pb)	Univ Az	674762	5814646	W side Tseapseahoolz Creek	Diorite	JKp	G. Gehrels (pers. comm., 2006)
20	SCBM01-1405-1	141 ± 1 (Ar/Ar [hbl, biot])	UBC	650034	5836972	Head of Humpback Creek	Quartz-phyric granodiorite	Firvale plutonic suite?	T. Ullrich (this study)
21	SCBD01-1803-2	140.0 ± 1.0 Ma (U/Pb)	UBC	648705	5813457	S spur of Mount Pootlass	Quartz-phyric rhyolite dyke		R. Friedman (this study)
22	SCB01-1704-1	139.9 ± 1.2 (U/Pb)	GSC-O	666800	5825700	Ridge SW of Talcheazoone Lakes	Chlorite altered biotite granodiorite	Firvale plutonic suite	M. Villeneuve *in* Struik *et al.* (2003)
23	SCB01-4106-2	134.3 ± 0.2 (U/Pb)	GSC-O	669570	5818281	Ridge NW of Salloomt Peak	Chlorite altered hornblende granodiorite	Firvale plutonic suite	M. Villeneuve *in* Struik *et al.* (2003)
	V89-49-1	133.9 ± 0.2 (U/Pb)	vdH	669686 [2]	5818248 [2]	5.9 km NNW of Salloomt Peak	Chlorite altered biotite-hornblende granodiorite	Firvale plutonic suite	van der Heyden (2004)
24	SCB01-1301-3	133.4 ± 0.2 (U/Pb)	GSC-O	655951	5828563	Ridge between Swallop Creek and Necleetsconnay River	Foliated quartz diorite	Firvale plutonic suite	M. Villeneuve *in* Struik *et al.* (2003)
25	V89-57	133.1 ± 4.3 (U/Pb)	vdH	698046 [2]	5805219 [2]	Along logging road adjacent to Talchako River	Chlorite altered biotite-hornblende granodiorite	Firvale plutonic suite	van der Heyden (2004)
26	BBC-9	132.0 ± 0.6 (U/Pb) (minimum age)	vdH	703097 [2]	5805140 [2]	Outcrop along Highway 20, approximately 5 km E of Stuie	Altered granodiorite	Firvale plutonic suite (Atnarko pluton)	van der Heyden (2004)
27	SCB01-2306-1	122.6 ± 1.4 (U/Pb)	GSC-O	648530	5821542	Ridge N of Mount Pootlass	Biotite-quartz diorite/tonalite	Desire plutonic suite	M. Villeneuve *in* Struik *et al.* (2003)
28	91GC1001	119.0 ± 2 (U/Pb)	Univ Az	650084	5804957	Along highway W of Bella Coola	Biotite quartz diorite	Desire plutonic suite	Gehrels and Boghossian (2000)
29	HFBWV02-0905	118.8 ± 0.4 (U/Pb)	UBC	669721	5782973	5 km ESE of Desire Mountain	Tonalite	Desire plutonic suite	R. Friedman (this study)
30	SCBD01-0402	113 Ma minimum [3] (U/Pb)	UBC	677417	5827245	100 m below summit of Tzeetsaytsul Peak	Rhyodacite lapilli tuff	Salloomt assemblage	R. Friedman (this study)
31	79-JBM-05	112.8 ± 1.5 Ma (U/Pb)	UBC	670428	5817241	Upper part of ridge SE from summit of prominent peak N of Salloomt Peak	Welded tuff	Salloomt assemblage	R. Friedman (this study)
32	SCBD01-2803-1	110.6 ± 2.6 Ma (Ar/Ar [hbl]) (date considered unreliable)	UBC	639153	5817702	3 km due W of Mount Saunders	Hornblende andesite tuff	Hazelton Group	T. Ullrich (this study)
33	HFBWV02-0803-2	110.3 ± 0.5 (U/Pb)	UBC	695719	5801042	Melikan Mountain	Granite	Melikan pluton	R. Friedman (this study)
34	SCBD01-0406	104.6 ± 2.5 Ma [4] (Ar/Ar [hbl])	UBC	676590	5826853	W-facing slope of Tzeetsaytsul Peak, elev 1995 m	Augite-hornblende phyric andesite	Salloomt assmblage (massive basaltic unit)	T. Ullrich (this study)
35	GJP-13	98.4 ± 1.8 Ma (U/Pb)	Univ Az	624394	5796555	Burke Channel 0.75 km S of Kwaspala Point	Tonalite		G. Gehrels (pers. comm., 2006)
36	HFBL02-1704-1	95.10 ± 0.76 Ma (Ar/Ar [biot])	UBC	666523	5798035	Ridge between Snootli and Nooklikonnik creeks	Biotite tonalite	Big Snow plutonic suite	T. Ullrich (this study)
37	91MR-85	91 ± 3 (U/Pb)	Univ Az	672578	5760064	NW of Mount Daunt (original published but incorrect loc data: 54°N 126°29'27"W)	Orthogneiss	Mount Daunt pluton	Rusmore *et al.* (2000)
38	HFB02-0101-2	86.9 ± 0.9 (U/Pb)	UBC	660578	5798231	Ridge between Thorsen and Snooka creeks	Biotite granodiorite	Big Snow plutonic suite	R. Friedman (this study)
39	GJP-23	82.8 ± 2.8 Ma (U/Pb)	Univ Az	618865	5823435	W side of Dean Channel, 2.5 km SW of mouth of Carlson Inlet	2-mica granite	JKp	G. Gehrels (pers. comm., 2006)
40	SCB00-0505-1	79 +4/-6 (U/Pb)	GSC-O	680991	5788439	Approximately 2.5 km WSW of Odegard Falls	Granodiorite to quartz diorite	Big Snow plutonic suite?	M. Villeneuve (this study)
41	SCB01-1401-1	77.7 ± 1.8 Ma (Ar/Ar [hbl]) (reset)	UBC	661992	5824615	Near Hourglass Lake	Basalt flows	Monarch assemblage	T. Ullrich (this study)
42	GJP-9	77.3 ± 1.7 Ma (U/Pb)	Univ Az	641406	5801662	S side of North Bentinck Arm at Flagpole Point	Diorite	Fougner plutonic suite	G. Gehrels (pers. comm., 2006)
43	SCBM01-1802-1	76.34 ± 0.52 Ma (Ar/Ar [biot]); 97.3 ± 1.2 Ma (Ar/Ar [hbl, hi-T]) (both dates reset)	UBC	652744	5817961	Ridge N of Christenson Creek	Hornblende-biotite tonalite	Desire plutonic suite	T. Ullrich (this study)
44	HFBM02-2507-1	75.3 ± 0.5 (U/Pb)	UBC	655462	5813720	Necleetsconnay River		Fougner plutonic suite	R. Friedman (this study)
45	SCB01-1209-1	72.9 ± 0.5 (U/Pb)	GSC-O	656750	5827850	Ridge between Necleetsconnay River and Swallop Creek	Garnet-muscovite-biotite granite	Four Mile plutonic suite	M. Villeneuve *in* Struik *et al.* (2003)
46	SCB00-0710-1	72.1 +0.2/-1.0 (U/Pb)	GSC-O	661090	5809963	E of Four Mile Mountain	Garnet-muscovite granite	Four Mile plutonic suite	M. Villeneuve (this study)
47	01JBM03	72.0 ± 0.3 (U/Pb)	UBC	666082	5806097	Bella Coola River valley bottom, S side	Garnet 2-mica granite	Four Mile plutonic suite	R. Friedman (this study)
48	HFBM02-0301-3	70.18 ± 0.60 Ma (Ar/Ar [biot]); 74.0 ± 4.3 Ma (Ar/Ar [hbl])	UBC	701781	5771783	Toe of Jacobsen Glacier	Biotite tonalite	KPd	T. Ullrich (this study)
49	HS-40-06-64	70 ± 14 (K/Ar [biot])	GSC-O	684864	5777235	Elev. 6000', N side of War Drum Glacier (52°07'N 126°18'W)	Unfoliated biotite-hornblende granodiorite	Big Snow plutonic suite?	A.J. Baer *in* Wanless *et al.* (1967) (Date GSC 65-28)
50	HFBL02-2201-1	68.2 ± 1.0 (U/Pb)	UBC	649820	5795231	Summit of Mount Fougner	Biotite tonalite	Fougner plutonic suite	R. Friedman (this study)
51	HFBG02-1003-1	67.2 ± 0.3 (Ar/Ar [biot])	UBC	649619	5816775	Ridge near headwaters of Christenson Creek	Muscovite-biotite granite, trace muscovite	Four Mile plutonic suite	T. Ullrich (this study)
52	91MR-07	62.2 ± 1.0 (U/Pb)	Univ Az	634776 [2]	5796947 [2]	Burke Channel, Menzies Point	Mylonitized 2-mica granite	Pg	Rusmore *et al.* (2001)
53	GJP-22	61.5 ± 1.7 Ma (U/Pb)	Univ Az	620522	5822251	E side of Dean Channel, 1 km NE of White Cliff Point	Diorite	Pg	G. Gehrels (pers. comm., 2006)
54	91GC1041	61.4 ± 0.6 (U/Pb)	Univ Az	627086 [2]	5797377 [2]	S shore Burke Channel east of Kwaspala Point	Protomylonitic tonalite	Pg	Rusmore *et al.* (2001)
55	GJP-12	58.4 ± 1.9 Ma (U/Pb)	Univ Az	625219	5797663	Burke Channel, S side of Jacobsen Bay	Tonalite	Pg	G. Gehrels (pers. comm., 2006)
56	BT-89-A-63	57 ± 6 (K/Ar [biot])	GSC-O	620153	5808633	Ovesen Point, Labouchere Channel (52°25'N 127°14'W)	Granite to granodiorite		A.J. Baer *in* Wanless *et al.* (1966) (Date GSC 64-10)
	BT-89-A-63	51 ± 6 (K/Ar [musc])	GSC-O	620153	5808633	Ovesen Point, Labouchere Channel (52°25'N 127°14'W)	Granite to granodiorite		A.J. Baer *in* Wanless *et al.* (1968) (Date GSC 66-20)
57	92MR37	56 ± 2 (U/Pb)	Univ Az	666893 [2]	5753409 [2]	S of Noieck River	Unfoliated tonalite	Sheemahant pluton	Rusmore *et al.* (2001)
58	HFBW02-1203-1	53.0 ± 0.2 (Ar/Ar [biot])	UBC	651023	5847960	S of Nooskulla Peak	Biotite tonalite	Nooskulla pluton	T. Ullrich (this study)
59	HFBL02-0903	53 ± 0.1 (U/Pb)	UBC	662410	5862290	N side of Sea Lion Peak	Biotite-quartz rhyolite flow dome	Ootsa Lake Group	R. Friedman (this study)
60	GJP-16	52.7 ± 1.5 Ma (U/Pb)	Univ Az	621346	5805356	Labouchere Channel, Deas Point	2-mica granite	Mesachie pluton	G. Gehrels (pers. comm., 2006)
61	HFBL02-1201-1	52.52 ± 0.49 Ma (Ar/Ar [biot])	UBC	657696	5867589	S flank Sakumtha Crag	Quartz biotite granitoid dyke		T. Ullrich (this study)
62	HFBW02-0201-2	51.9 ± 0.2 (Ar/Ar [musc]); 52.7 ± 0.4 (Ar/Ar [biot])	UBC	630796	5803474	Approximately 4 km NNE of Lalakata Point	Muscovite-biotite granite	Mesachie pluton	T. Ullrich (this study)
63	91GC1053	51 ± 4 (U/Pb)	Univ Az	620245 [2]	5808966 [2]	Labouchere Channel, SE of Edward Point	2-mica granite dyke		Rusmore *et al.* (2001)
64	BT-31-03-64	47 ± 5 (K/Ar [biot])	GSC-O	652900	5854500	Elev. 5500', NE of Nooskulla Peak; location given in reference (52°49'N 126°38'W) is incorrect	Leucocratic granodiorite	Nooskulla pluton	A.J. Baer *in* Wanless *et al.* (1967) (Date GSC 65-19)

[1] GSC-O = Geological Survey of Canada-Ottawa; Univ Az = University of Arizona, Tucson; UBC = University of British Columbia, Vancouver; vdH = University of British Columbia, Vancouver (van der Heyden thesis sample)
[2] UTM Easting and Northing data converted from original NAD27 coordinates as determined from 1:50 000 scale topographic map
[3] Inconclusive date, requires additional zircon grains
[4] Inconclusive date, insufficient hornblende
[5] Formerly Stick Pass plutonic suite

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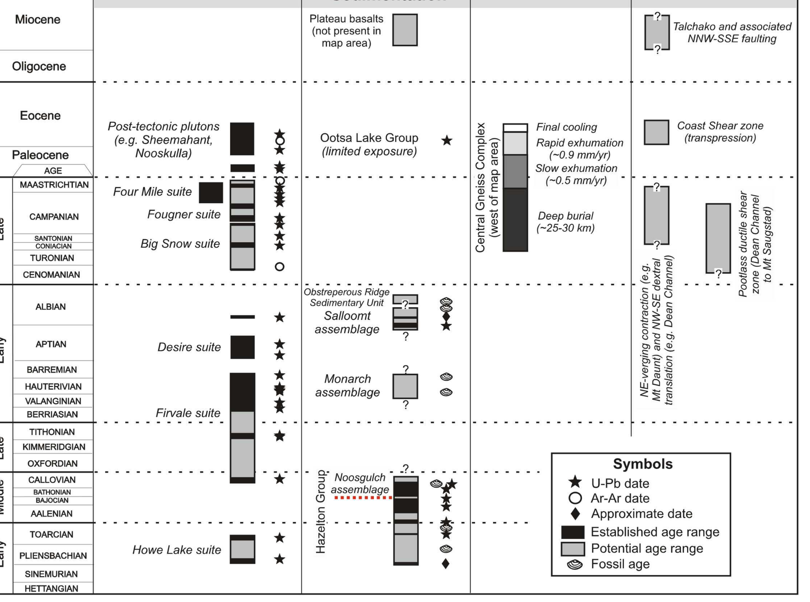
Summary of Geological Events in the Eastern Bella Coola Region



Timescale from Gradstein et al. (2004)

ROCK GEOCHEMISTRY

Columns: MAP #, FIELD #, UTM Easting (NAD83)[1], UTM Northing (NAD83)[1], LITHOLOGY, PLUTONIC SUITE/VOLCANIC UNIT, major oxides

MAP #	FIELD #	UTM Easting (NAD83) [1]	UTM Northing (NAD83) [1]	LITHOLOGY	PLUTONIC SUITE/ VOLCANIC UNIT	SiO_2	Al_2O_3	Fe_2O_3	MgO	CaO	Na_2O	K_2O	P_2O_5	MnO	TiO_2	LOI	TOTAL
INTRUSIVE ROCKS																	
1	HFBM02-3020-2	655406	5782328	hornblende diorite	Howe Lake	76.1	13.5	0.5	0.2	1.2	4.0	4.1	0.04	0.02	0.10	1.77	101.5
2	HFBP02-0905-1	652195	5788731	biotite quartz diorite to tonalite	Howe Lake	63.3	16.7	6.7	2.6	6.0	3.6	1.1	0.13	0.12	0.63	0.07	101.0
3	HFBP02-1003-2	653119	5788267	biotite granodiorite to granite (biotite tonalite?)	Howe Lake	66.0	16.1	3.8	1.4	3.5	4.9	1.8	0.17	0.08	0.49	0.50	98.7
4	HFBP02-1004-1	653755	5787204	pyroxene diorite	Howe Lake	56.5	17.1	8.8	3.2	7.2	3.4	1.1	0.13	0.17	0.90	0.65	99.1
5	HFB02-1505-1	656675	5785350	hornblende diorite	Howe Lake	57.6	18.2	8.4	3.0	7.4	3.7	0.7	0.22	0.16	0.91	1.34	101.6
6	HFBW02-1606-1	644097	5794788	hornblende tonalite	Howe Lake	76.3	13.9	1.5	0.4	1.9	4.2	2.6	0.05	0.05	0.18	0.68	101.6
7	HFBL02-1202-1	657500	5868900	hornblende diorite	Intrusion in JHvp	46.8	17.5	11.3	5.6	11.0	3.2	0.4	0.19	0.15	1.64	1.34	99.1
8	HFBP02-0601-1	700157	5800917	mylonitic tonalite	Firvale	57.5	16.5	7.8	3.1	6.8	3.0	0.9	0.15	0.15	0.78	0.88	97.6
9	HFBG02-0401-2	659489	5858492	biotite granite	Firvale	70.0	14.5	3.0	1.1	2.0	3.7	3.9	0.10	0.06	0.34	1.49	100.2
10	HFBG02-0501-2	653922	5865141	biotite-hornblende quartz monzonite to granite	Firvale	67.4	14.7	2.9	1.2	2.7	4.2	3.1	0.11	0.05	0.38	0.84	97.6
11	HFBL02-3001-2	674616	5841390	chloritized biotite granodiorite	Firvale	73.0	13.1	2.0	0.5	1.7	3.5	3.2	0.06	0.06	0.23	0.90	98.4
12	HFBL02-3004-3	665450	5840730	biotite-hornblende tonalite	Firvale	67.9	15.2	3.4	1.2	2.7	3.8	3.5	0.10	0.05	0.38	1.30	99.5
13	SCBD01-1605-1	671766	5849797	biotite granodiorite	Firvale	70.9	15.9	2.4	0.8	2.5	4.9	2.5	0.11	0.06	0.32	0.77	101.2
14	SCBD01-2004-1	669962	5850530	monzogranite	Firvale	70.6	15.7	2.0	0.7	2.2	4.3	3.3	0.08	0.06	0.23	1.04	100.3
15	SCBT01-1305-1	661371	5844720	tonalite	Firvale	61.2	16.5	6.5	3.0	5.4	3.9	2.6	0.21	0.10	0.81	0.96	101.3
16	SCBT01-1403-1	676727	5849286	tonalite	Firvale	72.0	13.9	2.9	0.8	1.2	5.2	1.9	0.10	0.05	0.46	1.28	99.8
17	SCBT01-2201-1	674923	5841287	biotite monzogranite	Firvale	67.4	15.4	4.2	1.5	3.7	3.9	2.4	0.12	0.08	0.52	1.07	100.3
18	HFBL02-2903-2	683457	5818251	granodiorite	Firvale	75.1	13.0	2.0	0.5	1.4	4.4	2.8	0.06	0.04	0.29	0.71	100.3
19	HFBP02-2512-1	669361	5818789	tonalite	Firvale	63.8	16.2	4.1	2.3	2.6	4.6	2.6	0.20	0.08	0.48	2.50	99.4
20	HFBP02-0602-1	698075	5804972	biotite-hornblende granodiorite	Firvale	72.2	14.1	2.3	0.6	2.3	4.0	3.3	0.08	0.04	0.26	1.10	100.3
21	HFBP02-0604-1	703109	5805133	biotite granodiorite	Firvale	65.4	15.3	4.0	1.9	3.5	3.9	2.8	0.16	0.08	0.51	0.52	98.0
22	HFBM02-2513-2	666137	5832868	quartz diorite	Firvale	63.6	16.3	4.1	2.3	2.6	4.6	2.6	0.19	0.08	0.48	1.14	97.9
23	HFBM02-2515-2	666809	5826237	granite	Firvale	55.2	18.1	8.7	3.7	7.3	3.3	1.5	0.17	0.15	0.83	0.51	99.5
24	HFBL02-1101-2	658565	5871703	monzodiorite	Firvale	63.4	17.1	4.0	1.3	2.6	6.2	2.5	0.26	0.11	0.81	1.45	99.8
25	HFBL02-1103-1	658293	5871251	monzodiorite	Firvale	66.2	16.2	3.8	1.0	2.0	6.2	2.7	0.21	0.15	0.78	0.80	100.1
26	HFBM02-2514-1	665978	5835651	granodiorite	Firvale	74.6	13.9	2.4	0.6	2.2	4.4	2.0	0.06	0.07	0.32	0.70	101.3
27	HFBL02-1804-1	642967	5848441	hornblende tonalite	JK_p	58.8	17.3	7.3	3.0	6.7	3.5	1.5	0.17	0.14	0.71	1.08	100.1
28	HFBM02-2511-1	642642	5821319	tonalite	JK_p	65.7	17.9	4.4	1.5	4.7	4.4	1.6	0.27	0.08	0.44	0.53	101.4
29	HFBL02-2206-1	664869	5787306	tonalite	Desire	60.2	16.6	5.9	3.1	5.8	3.6	1.9	0.20	0.12	0.70	0.60	98.8
30	HFBM02-2506-2	667328	5779278	hornblende diorite	Desire	74.5	13.9	1.5	0.5	1.6	4.2	3.2	0.07	0.04	0.20	0.52	100.2
31	HFBW02-2202-2	649132	5804156	biotite granodiorite	Desire	74.7	14.9	1.1	0.3	1.0	4.6	4.1	0.03	0.05	0.13	0.71	101.6
32	SCBD01-1901-2	652798	5818859	tonalite	Desire	74.2	13.8	1.9	0.5	1.8	3.9	3.1	0.05	0.06	0.21	0.52	100.0
33	HFBM02-2507-2	652822	5813017	granodiorite	Desire	44.6	18.7	14.7	5.6	13.0	1.6	0.2	0.71	0.20	1.14	0.58	101.0
34	HFBM02-2509-2	648557	5820300	tonalite	Desire	62.5	17.0	5.0	2.0	4.7	3.9	2.0	0.27	0.13	0.46	0.64	98.6
35	HFBWV02-0905-2	669721	5782973	biotite-hornblende tonalite + sphene	Desire	72.0	14.8	2.2	0.6	1.5	4.5	4.3	0.07	0.06	0.39	1.11	101.3
36	SCBM01-1801-1	652648	5818460	quartz diorite	Desire	73.1	14.6	2.6	0.8	2.6	4.0	2.7	0.07	0.08	0.28	0.64	101.5
37	SCBM01-1802-1	652744	5817961	hornblende-biotite quartz diorite	Desire	57.2	17.5	7.3	3.4	6.4	4.1	1.6	0.30	0.13	0.87	0.64	99.6
38	HFBWV02-1407-1	648687	5817968	pyroxene-hornblende-biotite tonalite	Desire?	64.4	16.9	4.3	1.8	4.5	4.3	2.0	0.20	0.08	0.42	0.48	99.4
39	HFBWV02-0803-2	695719	5801042	granite (hornblende-biotite granodiorite?)	Melikan pluton	72.1	14.8	2.2	0.6	1.5	4.4	4.3	0.08	0.06	0.39	0.77	101.1
40	HFB02-0101-2	660578	5798231	biotite granite	Big Snow	69.9	15.7	2.8	0.9	2.4	4.5	2.9	0.13	0.11	0.30	0.61	100.2
41	HFBG02-0802-1	665335	5800540	biotite tonalite to granodiorite	Big Snow	73.2	14.0	2.7	0.8	2.8	4.0	1.7	0.08	0.07	0.31	0.46	100.1
42	HFBG02-0804-1	665277	5801171	biotite granite	Big Snow	67.5	15.8	3.1	1.1	2.7	4.5	2.5	0.13	0.14	0.31	0.77	98.5
43	HFBG02-0901-4	660739	5787655	biotite granite	Big Snow	73.2	14.4	1.4	0.4	1.2	4.7	4.1	0.08	0.05	0.20	0.35	100.1
44	HFBG02-1003-2b	649619	5816775	muscovite-biotite granite	Big Snow	71.8	14.5	2.6	0.9	2.3	3.6	3.5	0.07	0.07	0.29	0.64	100.3
45	HFBL02-1704-1	666523	5798035	biotite tonalite	Big Snow	67.5	16.6	3.4	1.2	3.4	4.5	2.4	0.12	0.09	0.34	0.47	99.9
46	HFBM02-2105-2	660954	5797160	biotite granodiorite	Big Snow	72.7	14.8	1.8	0.6	2.4	4.6	2.3	0.07	0.08	0.18	0.48	99.9
47	HFBV02-0702-1	679557	5787408	muscovite-biotite granodiorite	Big Snow	73.9	15.2	1.5	0.5	1.7	4.8	2.7	0.09	0.07	0.21	0.55	101.2
48	HFBW02-0801-1	692715	5776170	biotite tonalite	Big Snow	66.1	17.0	4.0	1.9	4.4	4.6	1.8	0.15	0.09	0.44	0.26	100.6
49	HFBW02-0801-2	691322	5776353	biotite tonalite	Big Snow	66.4	17.2	3.9	1.8	4.5	4.6	1.7	0.15	0.08	0.42	0.42	101.2
50	HFBW02-1101-2	692478	5776464	biotite tonalite	Big Snow	70.3	14.6	0.9	0.2	1.6	4.7	2.9	0.04	0.03	0.11	0.42	95.8
51	HFBWV02-1408-2	646043	5817924	hornblende-biotite granodiorite	Big Snow	64.5	16.9	4.3	1.8	4.5	4.3	2.0	0.20	0.08	0.42	0.59	99.5
52	SCBD01-1907-1	649475	5816950	muscovite granite	Big Snow	71.5	16.0	2.1	0.7	2.3	4.4	3.4	0.08	0.06	0.23	0.65	101.3
53	HFBG02-0101-2	649936	5797987	hornblende-biotite tonalite to biotite-hornblende tonalite	Fougner	57.9	18.3	6.9	2.8	5.9	4.5	1.7	0.29	0.12	0.85	0.65	100.0
54	HFBG02-0203-2	650666	5798692	biotite granodiorite	Fougner	70.0	13.9	2.7	1.0	2.2	3.5	3.8	0.08	0.05	0.32	0.58	98.0
55	HFBG02-0604-2	627243	5814872	hornblende-biotite tonalite	Fougner	65.4	16.8	4.0	1.6	4.2	4.8	1.9	0.21	0.07	0.65	0.58	100.1
56	HFBG02-0701-1	625468	5813718	hornblende-biotite tonalite	Fougner	66.5	17.4	3.8	1.5	4.2	5.0	1.6	0.21	0.06	0.55	0.44	101.3
57	HFBL02-2201-1	649820	5795231	biotite tonalite	Fougner	66.4	15.8	4.7	2.1	4.1	4.1	3.0	0.17	0.08	0.58	0.35	101.4
58	HFBM02-0703-1	648636	5795142	biotite granodiorite	Fougner	71.1	15.5	2.7	1.0	2.6	3.7	3.8	0.10	0.04	0.35	0.42	101.3
59	HFBM02-1805-2	667181	5791957	granite	Fougner	69.1	15.7	2.6	1.0	3.2	4.0	2.2	0.12	0.09	0.25	0.68	98.8
60	HFBM02-2507-1	655462	5813720	granodiorite	Fougner	66.1	16.2	4.3	1.5	3.7	4.3	2.6	0.16	0.09	0.51	0.69	100.1
61	HFBW02-1704-1	622720	5818492	biotite tonalite	Fougner	65.8	16.9	2.5	0.9	3.1	5.6	2.2	0.20	0.03	0.58	0.43	98.2
62	HFBW02-1706-1	621889	5820225	biotite tonalite	Fougner	72.2	15.1	2.0	0.6	2.0	4.6	3.1	0.09	0.08	0.23	0.41	100.4
63	HFBW02-1803-1	625891	5818787	biotite tonalite	Fougner	70.9	15.7	2.2	0.6	2.2	4.6	3.4	0.09	0.07	0.25	0.59	100.5
64	HFBW02-2203-2	650046	5805003	hornblende-biotite granodiorite	Fougner	57.7	17.2	7.4	3.7	7.2	3.8	1.7	0.26	0.11	0.92	0.74	100.8
65	HFBW02-2602-2	619596	5812543	biotite tonalite	Fougner	57.2	17.3	6.7	3.2	5.9	3.9	1.9	0.26	0.13	0.71	0.41	97.5
66	SCBH01-1802-4	640570	5810496	hornblende-biotite tonalite	Fougner	66.9	17.0	2.5	0.9	3.6	4.9	3.0	0.24	0.05	0.42	0.70	100.3
67	SCBM01-2201-1	649185	5803930	hornblende-biotite tonalite	Fougner	56.3	18.0	8.2	3.2	6.6	3.9	2.1	0.33	0.20	0.78	0.49	100.1
68	SCBM01-2201-2	649185	5803930	hornblende-biotite tonalite	Fougner	61.3	16.5	5.8	2.7	6.1	4.1	2.3	0.29	0.09	0.71	0.80	100.7
69	HFB02-1506-2	667090	5780950	biotite tonalite	Four Mile	76.6	13.3	0.8	0.1	0.6	4.1	4.7	0.02	0.07	0.08	0.35	100.8
70	HFB02-1508-1	656438	5819402	muscovite granite	Four Mile	74.7	14.6	0.5	0.1	0.3	4.9	4.0	0.03	0.14	0.06	0.51	99.8
71	HFBM02-2111-1	UTMs lost		garnet-muscovite-biotite granite	Four Mile	74.1	14.4	0.6	0.1	0.4	4.7	4.2	0.03	0.12	0.07	0.51	99.3
72	HFBM02-2508-1	654089	5823498	muscovite-biotite granite	Four Mile	74.4	14.4	0.9	0.3	0.6	4.8	4.1	0.05	0.17	0.11	0.87	100.7
73	HFBM02-2510-1	660428	5822695	muscovite-biotite granite	Four Mile	75.4	14.1	0.6	0.1	0.4	4.7	4.0	0.04	0.18	0.06	0.52	100.2
74	HFBW02-2101-2	665832	5805832	muscovite-biotite tonalite	Four Mile	71.4	15.4	2.5	0.8	2.3	4.8	2.5	0.12	0.08	0.25	0.44	100.6
75	SCB01-0906-1	661618	5820198	muscovite granodiorite	Four Mile	74.9	14.6	0.4	0.1	0.2	5.2	4.1	0.04	0.25	0.04	0.40	100.3
76	SCB01-1202-2	656969	5827718	garnet-biotite-muscovite granite	Four Mile	74.1	14.8	0.8	0.1	0.3	5.0	4.3	0.04	0.21	0.07	0.50	100.2
77	SCB01-1204-2	656966	5828215	biotite-muscovite granite	Four Mile	73.8	14.8	0.6	0.2	0.3	5.2	4.3	0.04	0.24	0.06	0.60	100.1
78	SCB01-1502-1	660447	5822580	muscovite-biotite granodiorite	Four Mile	73.9	14.7	0.6	0.1	0.3	5.0	4.3	0.04	0.27	0.05	0.30	99.5
79	SCB01-1909-4	649318	5826864	biotite-muscovite granite	Four Mile	73.5	15.2	0.8	0.2	0.2	5.3	4.2	0.06	0.09	0.10	0.40	100.0
80	SCB01-2006-2	651028	5825648	biotite-muscovite granite	Four Mile	74.6	14.7	0.4	0.1	0.2	5.1	4.6	0.03	0.14	0.05	0.50	100.4
81	SCBD01-1906-1	654448	5819893	garnet-biotite granite	Four Mile	70.2	15.7	3.5	0.9	3.1	4.6	1.7	0.14	0.14	0.32	0.52	100.9
82	SCBK01-1703-2	663181	5811943	biotite-muscovite granite	Four Mile	74.1	14.7	0.7	0.2	0.5	5.1	4.1	0.05	0.18	0.08	0.40	100.1
83	HFBW02-2102-2	661816	5804997	biotite tonalite	Four Mile?	75.8	14.1	1.0	0.2	0.8	4.4	4.2	0.03	0.06	0.11	0.41	101.0
84	HFBM02-2502-2	658276	5782815	biotite granodiorite	Four Mile?	67.5	16.6	3.1	1.0	3.3	4.7	2.2	0.13	0.10	0.33	1.04	100.0
85	HFBM02-2504-2	659536	5782322	biotite granodiorite	Four Mile?	67.4	16.3	3.3	1.2	3.5	4.6	2.3	0.16	0.10	0.40	0.95	100.0
86	SCBD01-0906-1	669100	5835721	biotite granodiorite	LKE_p	74.6	14.3	1.5	0.4	1.3	4.2	4.2	0.03	0.03	0.30	0.94	101.8
87	SCBD01-1004-1	670413	5834982	biotite granodiorite	LKE_p	70.8	15.8	2.4	0.8	2.5	4.9	2.5	0.11	0.06	0.32	0.58	100.8
88	HFBW02-1904-2	675156	5815578	altered hornblende granodiorite	KP_d	67.0	17.0	3.3	1.1	3.3	5.1	2.1	0.16	0.07	0.41	1.04	100.5
89	SCBM01-0405-1	670572	5814827	hornblende diorite	KP_d	60.1	14.9	7.3	4.0	5.1	3.4	2.2	0.45	0.12	0.69	2.80	101.1
90	HFBM02-0301-2	701781	5771783	hornblende biotite tonalite	KP_d	50.1	18.9	9.3	4.6	8.8	3.5	0.9	0.27	0.12	0.96	0.84	98.3
91	HFBW02-1002-1	657742	5862843	biotite granodiorite	Nooskulla pluton	70.9	16.0	2.3	0.7	2.2	4.7	3.1	0.10	0.07	0.28	0.63	101.0
92	HFBW02-1201-2	650736	5850962	biotite tonalite	Nooskulla pluton	60.2	16.2	4.3	1.8	4.2	4.4	1.7	0.14	0.09	0.48	0.60	94.1
93	HFBW02-1501-2	646640	5857788	altered granite	Nooskulla pluton	71.0	16.3	1.6	0.5	2.1	5.0	3.5	0.11	0.02	0.32	0.38	100.8
94	HFBW02-1503-4	647375	5859699	hornblende microdiorite?	Nooskulla pluton	76.3	13.9	1.3	0.3	1.3	3.7	4.4	0.03	0.06	0.15	0.36	101.8
95	SCBH01-1403-2	650968	5843450	biotite-hornblende tonalite	Nooskulla pluton	64.8	16.3	4.2	1.9	5.3	4.4	1.9	0.35	0.07	0.69	0.70	100.6
96	SCBH01-1405-1	652254	5843645	biotite-hornblende tonalite	Nooskulla pluton	63.3	16.5	4.8	2.1	5.9	4.2	1.9	0.40	0.08	0.74	0.80	100.7
97	HFBW02-0201-3	630796	5803474	muscovite-biotite granite	Sheemahant pluton	56.8	17.4	9.0	3.3	7.2	3.4	1.1	0.13	0.17	0.92	0.54	99.8
EXTRUSIVE ROCKS																	
98	HFBL02-0901-1	662100	5863593	basalt	Hazelton Group	49.9	17.3	9.7	6.3	8.2	3.8	1.66	0.36	0.28	1.47	3.2	102.23
99	HFBL02-1305-1	677394	5828934	dacite	Hazelton Group	71.1	14.1	4.1	1.4	1.8	2.8	2.50	0.15	0.23	0.51	3.3	101.98
100	HFBL02-1306-1	677490	5828899	andesite to dacite porphyry	Hazelton Group	67.0	14.7	4.1	1.2	4.4	4.1	2.38	0.16	0.18	0.58	4.1	102.83
101	HFBL02-1404-2	672070	5828107	quartz rhyolite	Hazelton Group	70.5	14.9	2.3	0.6	4.2	4.2	2.68	0.10	0.06	0.43	2.2	102.17
102	HFBL02-2003-2	651942	5870269	dacite lapilli tuff	Hazelton Group	79.1	12.8	1.8	0.3	1.0	3.7	2.20	0.04	0.05	0.34	1.6	102.81
103	HFBL02-2005-2	651132	5870775	rhyolite tuff	Hazelton Group	78.6	11.4	1.9	0.8	0.7	5.5	0.78	0.04	0.07	0.28	0.8	100.83
104	HFBM02-1303-2	664938	5874374	andesite	Hazelton Group	66.0	15.0	6.4	1.8	3.7	5.0	1.26	0.20	0.09	0.69	1.7	101.69
105	SCB01-2606-1	671953	5810406	andesite	Hazelton Group	61.1	18.2	7.1	2.5	0.7	1.3	3.13	0.24	0.13	0.92	7.6	102.91
106	SCBD01-0605-1	677545	5828855	dacite	Hazelton Group	64.9	14.8	5.1	1.5	3.6	4.3	2.06	0.20	0.23	0.55	3.5	100.77
107	SCBD01-0902-2	669221	5838234	porphyritic andesite	Hazelton Group	48.7	20.2	9.3	4.2	8.2	2.9	1.95	0.24	0.16	0.91	4.3	101.10
108	SCBD01-0903-2	669217	5837616	andesite	Hazelton Group	51.5	15.8	11.8	4.2	7.7	3.6	1.32	0.35	0.17	1.62	3.3	101.36
109	SCBD01-1104-1	669826	5843555	basalt	Hazelton Group	52.5	14.5	12.9	4.2	6.2	4.8	0.32	0.32	0.21	1.49	3.9	101.36
110	SCBD01-1105-2	669138	5843255	andesite	Hazelton Group	57.9	16.6	8.2	2.5	6.6	3.1	1.02	0.14	0.14	0.80	3.9	100.94
111	SCBD01-2502-3	673912	5834551	rhyolite welded tuff	Hazelton Group	71.5	13.5	2.9	1.3	2.1	2.6	2.65	0.08	0.07	0.36	3.7	100.74
112	SCBH01-0505-4	670122	5824246	andesite	Hazelton Group	58.5	17.7	8.1	2.5	3.4	2.2	4.04	0.23	0.12	1.08	2.9	100.73
113	HFBL02-1302-2	677230	5828730	lapilli block tuff	Hazelton Group	51.6	18.8	10.0	5.1	9.9	3.1	0.23	0.31	0.23	1.11	2.9	103.13
114	HFBM02-1601-1	654481	5834106	andesite to dacite	Hazelton Group	52.7	19.1	7.8	6.5	4.8	4.9	1.29	0.24	0.12	0.92	3.8	102.25
115	HFBM02-1602-5	654355	5834235	basaltic andesite	Hazelton Group	52.1	18.6	7.3	5.7	7.6	3.7	1.69	0.24	0.09	0.88	4.1	102.01
116	HFBM02-2306-1	684998	5786706	amygdaloidal andesite	Hazelton Group	61.1	16.8	5.3	0.2	2.0	3.0	6.39	1.56	0.93	0.24	0.0	97.55
117	SCB01-1401-1	661992	5824615	basalt	Hazelton Group	50.8	16.5	10.2	8.0	5.5	4.7	0.56	0.43	0.17	1.51	2.8	101.18
118	SCBD01-1505-1	660693	5843706	basalt	Hazelton Group	51.6	15.2	12.2	4.1	5.6	5.3	1.96	0.64	0.21	2.05	2.2	101.04
119	SCBM01-1101-1	656194	5838691	metabasalt	Hazelton Group	48.8	17.2	9.4	5.7	6.2	3.2	2.55	0.36	0.21	1.28	6.5	101.38
120	SCBD01-0802-2	678317	5824393	amygdaloidal basalt	Monarch assemblage	55.0	17.0	8.9	4.3	3.6	5.1	2.34	0.42	0.19	1.25	2.7	100.71
121	HFBL02-0703-1	658915	5857898	andesite	Monarch assemblage	61.1	16.6	5.3	2.0	2.7	6.3	1.50	0.23	0.21	0.94	2.8	99.70
122	HFBM02-0401-1	698712	5772706	amygdaloidal basalt	Monarch assemblage	52.4	19.8	9.9	5.3	5.4	4.5	1.92	0.45	0.18	1.09	0.8	101.79
123	HFBM02-0402-1	698400	5772110	hornfelsed basalt	Monarch assemblage	50.9	19.5	8.8	5.3	4.6	4.7	2.95	0.28	0.15	0.88	1.2	99.13
124	HFBM02-3003-1	689138	5794402	basaltic andesite	Monarch assemblage	53.3	19.7	8.1	3.7	7.5	4.2	1.60	0.38	0.14	1.09	2.6	102.29
125	SCB01-1108-1	656740	5829754	plag-phyric andesite	Monarch assemblage	52.6	17.7	8.3	5.4	8.3	3.4	0.80	0.26	0.14	1.07	2.8	100.77
126	SCBD01-0401-1	677466	5827121	basalt	Monarch assemblage	53.9	16.2	8.7	6.1	8.3	3.1	0.70	0.33	0.16	0.95	2.7	101.09
127	SCBD01-0404-1	677225	5827288	basalt	Monarch assemblage	53.7	17.3	10.0	3.7	7.0	4.0	1.68	0.41	0.22	1.45	1.9	101.34
128	SCBT01-2003-2	692283	5805334	basalt	Monarch assemblage	58.2	16.6	6.8	4.5	5.0	4.1	1.74	0.25	0.14	0.71	2.9	100.93
129	SCBM01-1707-1	670306	5815852	amygdaloidal andesite	Salloomt assemblage	49.1	17.2	9.9	5.8	10.1	2.8	1.06	0.35	0.15	1.23	3.2	100.84
130	SCBM01-1707-2	670306	5815852	amygdaloidal andesite	Salloomt assemblage	52.0	17.4	8.8	5.4	7.3	3.2	2.51	0.33	0.21	1.01	3.4	101.55
131	HFBL02-0702-1	658915	5857898	amygdaloidal andesite	Salloomt assemblage	52.3	17.8	8.6	6.4	6.6	4.0	1.97	0.41	0.16	1.11	2.8	102.14
132	HFBL02-0903-2	662410	5862290	biotite rhyolite porphyry	Ootsa Lake Group	72.2	15.8	1.7	0.7	1.8	4.7	3.25	0.10	0.02	0.27	2.0	102.32
133	HFBL02-1201-2	657696	5867589	quartz biotite crystal ash tuff	Ootsa Lake Group	69.4	15.2	3.3	0.9	1.7	4.2	3.50	0.19	0.07	0.57	2.9	101.84

ROCK GEOCHEMISTRY (continued): trace elements and rare earth elements

MAP #	Ba	Ce	Co	Cr	Cu	Hf	La	Nb	Nd	Ni	Pb	Rb	Sc	Sr	Th	V	Y	Zn	Zr	Pr	Sm	Eu	Gd	Tb	Dy	Lu	Ho	Er	Tm	Yb
1	523	15	73	3	31	4	7	3	12	7	5	17	28	296	<1	194	20	75	94	2.3	3.0	1.0	3.5	0.6	3.7	0.4	0.8	2.4	0.3	2.4
2	505	18	99	5	30	3	8	3	13	5	5	22	24	287	1	155	22	66	109	2.6	3.1	1.0	3.4	0.6	3.9	0.4	0.9	2.5	0.4	2.5
3	931	28	91	b.d.	7	4	13	6	10	4	15	76	3	355	0	29	7	57	74											
4	445	0	74	15	46	2	7	4	10	5	5	21	29	310	0	244	21	94	91											
5	400	14	78	10	72	<1	8	4	16	5	6	15	31	337	9	190	28	77	82											
6	738	28	116	b.d.	4	4	14	3	10	0	7	64	2	135	15	8	12	21	86											
7	168	13	61	141	20	<1	6	2	9	27	5	7	36	545	8	299	15	56	90											
8	852	25	165	b.d.	5	6	17	3	7	3	7	50	5	251	16	22	16	15	148											
9	1090	34	241	2	5	5	21	5	13	5	5	92	6	307	11	53	13	30	130											
10	875	37	49	b.d.	2	6	19	7	17	8	5	51	7	356	6	55	13	34	152	4.4	3.1	0.8	2.8	0.4	2.2	0.2	0.4	1.5	0.2	1.6
11	846	19	102	b.d.	3	4	11	4	0	2	4	68	5	156	15	25	17	18	92											
12	1270	32	80	b.d.	6	5	19	4	14	5	7	72	7	479	5	60	12	31	153	3.6	2.5	0.7	2.5	0.4	2.2	0.2	0.4	1.3	0.2	1.4
13	820	13	60	b.d.	1	5	6	3	6	2	4	60	5	200	9	22	12	19	90											
14	737	19	245	b.d.	1	4	12	4	8	2	2	55	7	211	0	37	14	21	89											
15	786	16	53	b.d.	4	5	12	3	9	3	2	31	10	183	2	30	36	25	110											
16	853	28	175	3	7	5	19	3	14	6	4	38	12	381	6	81	24	37	142											
17	904	18	245	b.d.	13	4	10	4	8	2	2	67	4	164	4	23	14	17	90											
18	979	35	60	b.d.	0	5	20	4	19	2	4	38	6	118	<1	25	28	26	103											
19	966	41	36	35	7	4	24	6	19	18	5	39	7	561	4	79	8	49	121	4.9	3.0	1.0	3.2	0.4	1.7	0.1	0.3	0.9	0.1	0.8
20	979	47	152	14	19	4	20	6	19	19	9	54	10	489	<1	87	12	59	150											
21	371	48	140	b.d.	12	5	28	4	15	8	9	43	8	424	18	61	13	45	158											
22	626	25	61	20	55	3	13	5	15	10	6	32	24	511	<1	207	20	82	103											
23	1430	25	79	b.d.	1	4	11	6	8	0	11	55	2	173	7	5	12	12	55											
24	929	43	86	b.d.	7	7	22	7	27	3	5	40	10	261	11	57	35	50	252											
25	916	53	38	b.d.	4	8	22	10	39	4	7	47	8	294	0	24	48	47	271											
26	822	32	167	b.d.	4	4	15	4	12	3	7	29	7	165	11	25	30	21	120											
27	594	22	71	11	31	4	13	3	13	11	5	31	20	443	3	156	28	60	143											
28	716	31	61	b.d.	19	4	15	5	14	0	9	39	8	661	13	40	8	60	182											
29	726	25	79	25	19	3	13	7	12	13	10	39	18	502	14	146	17	59	109											
30	1290	40	64	b.d.	1	4	22	6	17	0	11	49	3	274	7	13	10	17	106	4.5	2.5	0.6	2.4	0.3	1.7	0.2	0.3	1.1	0.2	1.2
31	400	27	84	21	57	<1	12	4	19	12	11	37	18	749	5	187	15	82	107											
32	622	20	57	b.d.	4	5	9	3	16	1	8	27	7	226	13	17	34	62	116											
33	62	0	42	16	53	<1	11	0	14	4	3	6	40	350	2	451	17	87	34											
34	978	0	48	b.d.	13	4	7	5	7	3	8	37	9	628	11	60	14	59	155											
35	1060	34	65	21	30	5	18	4	20	7	11	54	10	432	5	77	19	49	156	4.6	3.6	0.9	4.0	0.6	3.3	0.3	0.7	2.2	0.3	2.2
36	1200	27	59	17	13	5	10	7	5	4	16	65	6	551	9	54	12	62	147											
37	745	36	90	28	31	4	16	6	18	14	7	27	16	878	3	167	14	87	153											
38	1130	21	153	2	10	4	6	5	10	9	6	34	8	628	2	70	9	50	135											
39	1080	48	54	b.d.	5	6	23	8	22	4	8	94	4	163	5	21	25	39	195	5.7	4.6	1.0	4.1	0.6	4.2	0.4	0.8	2.9	0.4	3.1
40	787	26	47	3	3	4	12	6	13	3	10	48	3	353	3	31	15	46	95	3.1	2.9	0.7	2.4	0.4	2.5	0.2	0.4	1.4	0.2	1.4
41	913	31	72	b.d.	1	5	14	5	16	4	3	40	7	199	3	32	24	38	119	3.8	3.7	0.9	3.7	0.6	3.8	0.4	0.8	2.7	0.4	2.8
42	897	28	81	b.d.	4	4	10	7	12	5	8	54	6	394	<1	42	12	53	90											
43	765	25	179	b.d.	4	4	13	4	11	3	19	80	2	267	4	21	4	45	72	3.0	1.9	0.4	1.8	0.2	0.9	<0.1	0.1	0.4	<0.1	0.3
44	1280	26	154	b.d.	4	3	14	6	11	4	15	100	4	405	5	38	6	44	82	2.9	2.1	0.6	1.8	0.2	1.1	0.1	0.2	0.7	0.1	0.6
45	805	20	133	b.d.	8	4	11	4	10	4	8	38	5	485	<1	43	7	48	98	2.7	2.0	0.7	1.9	0.3	1.3	0.1	0.2	0.7	0.1	0.7
46	896	15	43	7	2	3	6	4	7	3	9	40	4	321	8	22	10	31	77											
47	1010	23	201	b.d.	5	<1	12	6	11	0	11	51	2	383	2	16	7	42	84	2.9	2.1	0.5	1.8	0.3	1.2	0.1	0.2	0.7	0.1	0.7
48	772	17	104	10	7	<1	9	5	11	9	8	31	9	551	10	71	10	48	109											
49	696	21	122	7	7	<1	11	4	14	9	7	28	9	596	2	68	9	42	108	3.2	2.7	0.9	2.7	0.4	2.0	0.1	0.4	1.1	0.1	1.0
50	858	26	114	6	5	4	10	5	12	10	6	31	8	609	3	75	8	57	121											
51	1100	19	127	b.d.	6	3	10	5	7	4	10	49	5	518	6	62	7	65	111											
52	1260	19	57	b.d.	5	4	8	5	8	3	18	90	3	413	11	29	12	38	99											
53	768	26	97	12	64	5	11	5	19	12	7	48	12	790	1	141	14	97	225	3.9	4.3	1.3	3.7	0.5	2.7	0.2	0.5	1.5	0.2	1.3
54	1230	31	131	16	4	5	16	7	11	7	14	110	5	384	5	50	10	46	133											
55	908	25	117	21	8	4	13	7	13	6	10	38	7	843	<1	85	9	68	147											
56	1210	28	116	3	7	<1	12	6	16	5	11	39	8	928	1	76	8	63	144	3.8	3.4	1.0	2.6	0.3	1.6	0.1	0.2	0.9	0.1	0.8
57	755	40	91	30	102	4	18	5	21	14	14	83	11	478	6	99	14	62	175	5.2	4.6	0.9	3.7	0.5	2.7	0.2	0.4	1.4	0.2	1.3
58	1260	32	127	3	8	4	16	6	10	7	15	87	4	424	15	42	12	39	150											
59	1100	28	125	8	b.d.	3	15	6	13	b.d.	9	37	5	484	3	32	12	48	108	3.5	2.4	0.7	2.2	0.3	1.7	0.2	0.3	1.1	0.2	1.3
60	879	31	118	5	22	5	16	7	15	7	14	64	6	556	7	67	14	67	155											
61	1080	17	64	b.d.	4	4	7	7	8	2	13	73	4	339	4	22	11	44	79											
62	1300	23	79	b.d.	4	4	14	7	12	0	13	48	3	398	2	24	10	49	92											
63	1050	19	124	3	8	4	7	5	6	3	9	35	5	646	3	47	6	57	129											
64	940	39	40	104	23	4	18	4	17	21	8	40	16	646	12	141	18	74	161											
65	617	16	73	0	2	3	5	2	6	0	16	45	3	623	12	14	9	44	126											
66	1200	28	6	16	34	4	14	4	14	0	15	46	5	764	2	51	7	58	130	3.5	2.8	0.8	2.0	0.3	1.3	0.1	0.2	0.5	0.1	0.5
67	776	33	60	21	38	3	14	5	19	20	12	65	13	597	8	149	13	81	114											
68	740	42	15	37	50	3	19	6	23	16	11	42	13	601	4	135	19	74	120	5.5	5.0	1.2	4.1	0.6	3.2	0.2	0.6	1.6	0.2	1.5
69	24	25	88	b.d.	6	3	5	12	10	5	20	218	3	8	16	2	33	25	57											
70	42	0	163	b.d.	5	<1	5	28	0	3	15	167	2	5	17	b.d.	24	24	30											
71	305	15	153	b.d.	3	<1	5	11	7	0	14	107	0	43	12	b.d.	16	24	37											
72	250	0	269	b.d.	b.d.	<1	5	27	5	4	16	145	3	75	2	8	17	35	24											
73	91	11	208	b.d.	b.d.	<1	5	29	5	3	15	153	3	27	6	b.d.	17	11	20	1.4	1.8	0.1	2.0	0.4	3.1	0.1	0.5	1.4	0.2	1.2
74	817	18	83	b.d.	b.d.	4	8	8	10	b.d.	15	68	2	115	4	4	9	29	42											
75	25	22	n/a	12	b.d.	2	7	48	11	b.d.	14	200	4	0	15	b.d.	27	17	38	3.0	4.5	0.0	4.3	0.8	4.6	0.2	0.8	1.8	0.3	1.5
76	140	20	n/a	b.d.	b.d.	3	9	35	8	b.d.	20	150	3	38	11	6	25	17	64	2.4	2.8	0.1	3.0	0.6	3.9	0.3	0.8	1.9	0.3	1.9
77	77	22	n/a	b.d.	b.d.	3	9	41	10	b.d.	17	200	4	27	15	b.d.	28	64	51	2.7	3.3	0.1	3.5	0.7	4.4	0.2	0.8	2.0	0.3	1.8
78	78	17	n/a	12	16	3	7	37	7	b.d.	20	190	5	18	15	b.d.	30	16	51	2.1	2.6	0.1	2.9	0.7	4.5	0.3	0.9	2.2	0.3	1.9
79	1100	43	n/a	15	b.d.	4	21	16	18	b.d.	20	240	1	101	8	b.d.	13	55	100	5.1	4.4	0.5	4.2	0.6	2.5	0.1	0.4	0.8	0.1	0.7
80	45	20	n/a	12	b.d.	3	7	21	9	b.d.	21	160	3	0	13	b.d.	16	27	61	2.5	2.8	0.1	2.6	0.5	2.5	0.2	0.4	1.1	0.2	1.1
81	20	0	68	b.d.	1	<1	0	32	5	3	14	197	4	6	10	b.d.	25	49	15											
82	420	25	5	12	b.d.	3	11	11	11	b.d.	13	130	1	67	9	b.d.	21	36	69	3.0	2.8	0.2	2.8	0.5	3.2	0.2	0.6	1.5	0.2	1.5
83	1040	26	134	b.d.	4	4	15	6	11	4	10	46	4	519	5	35	9	37	105											
84	962	33	146	b.d.	25	4	14	6	14	3	10	46	5	603	3	43	11	55	122											
85	1020	28	46	b.d.	7	4	12	6	15	3	9	47	4	585	5	42	11	63	134											
86	1180	26	52	12	3	4	11	7	9	3	11	41	3	514	4	32	8	47	117											
87	1150	28	55	b.d.	3	4	12	6	12	3	12	40	4	499	9	32	9	47	115											
88	784	25	207	b.d.	4	3	12	5	7	0	8	40	5	320	<1	27	13	35	106											
89	720	65	21	84	63	5	30	7	34	34	4	41	18	484	4	124	32	88	210	8.4	7.2	1.4	6.2	0.9	5.3	0.4	1.0	2.8	0.4	2.7
90	334	17	71	22	12	<1	7	4	13	18	2	19	19	786	<1	246	12	81	103	2.6	3.2	1.1	3.1	0.5	2.6	0.2	0.4	1.3	0.2	1.1
91	888	32	133	b.d.	5	3	20	7	12	4	16	71	3	372	13	29	14	41	114											
92	1720	40	50	b.d.	12	4	22	3	18	0	14	55	3	945	1	28	3	51	161	4.8	2.7	0.7	2.0	0.2	0.6	<0.1	0.1	0.3	<0.1	0.2
93	890	18	79	b.d.	0	4	12	6	10	2	7	123	4	130	0	11	15	19	52											
94	1700	48	41	b.d.	3	4	22	6	27	3	6	38	4	1315	2	53	5	71	201	6.4	4.5	1.2	3.3	0.4	1.2	0.1	0.2	0.6	<0.1	0.4
95	860	39	9	26	0	3	19	6	20	0	10	26	8	764	3	95	11	73	130	4.9	3.9	1.1	3.0	0.4	2.0	0.1	0.4	0.9	0.1	0.8
96	900	43	12	23	11	3	19	8	24	0	11	25	9	815	2	108	14	82	120	5.8	4.7	1.3	3.7	0.5	2.6	0.2	0.5	1.2	0.2	1.1
97	966	0	57	b.d.	2	3	0	4	0	2	17	81	2	510	5	9	10	43	87											
98	796	29	50	119	90	4	17	6	17	55	6	37	27	449	8	215	26	149	168											
99	384	13	51	0	17	6	11	4	3	2	6	64	14	80	13	43	22	60	134.5											
100	436	32	70	3	7	5	17	4	17	3	11	52	17	245	13	62	34	75	143											
101	846	16	90	3	59	5	8	4	0	4	8	48	10	222	6	53	22	34	119											
102	278	32	70	0	3	8	18	4	17	3	4	53	9	37	7	8	29	29	149											
103	152	38	74	7	5	7	24	3	27	5	3	14	7	59	4	21	43	102	114											
104	418	22	81	2	4	3	19	3	14	n/a	5	19	17	239	2	64	40	96	108											
105	960	n/a	18	182	40	5	29	13	29	82	11	110	22	139	9	180	34	120	170	7.3	6.4	1.4	5.9	1.0	5.6	0.5	1.1	3.1	0.5	3.2
106	480	n/a	8	31	0	4	13	4	17	0	7	42	15	276	3	63	31	109	140	3.8	4.2	1.1	4.6	0.8	4.8	0.5	1.0	2.8	0.5	3
107	760	n/a	28	45	93	2	8	3	14	19	2	32	21	498	1	213	19	83	58	3.0	3.2	1.1	3.4	0.5	3.2	0.3	0.7	1.7	0.3	1.7
108	660	n/a	32	19	44	3	14	5	20	10	2	16	33	588	1	382	29	94	130	4.5	5.0	1.6	5.1	0.8	4.9	0.4	1.0	2.6	0.4	2.5
109	210	n/a	30	17	131	3	11	4	17	14	3	5	37	331	2	402	37	110	93	3.5	5.0	1.5	5.7	1.0	6.0	0.5	1.3	3.5	0.5	3.6
110	180	n/a	15	51	16	2	12	3	13	14	9	24	20	239	2	158	24	105	78	3.1	3.0	1.1	3.6	0.6	3.8	0.4	0.8	2.2	0.3	2.3
111	560	n/a	5	16	27	4	16	4	18	n/a	8	62	9	103	3	31	33	54	140	4.3	4.3	0.9	4.6	0.8	4.8	0.5	1.0	3.0	0.5	3.4
112	980	n/a	14	26	0	4	13	4	20	n/a	4	160	26	304	4	130	45	86	150	4.3	5.5	1.5	6.2	1.1	6.9	0.7	1.5	4.3	0.7	4.3
113	242	31	60	105	137	3	18	4	17	52	7	3	31	570	8	262	26	86	133											
114	796	31	52	87	64	4	23	7	17	82	5	21	19	397	14	143	28	92	178											
115	788	35	46	82	52	5	25	7	16	73	6	36	24	512	12	174	26	75	182											
116	508	19	55	120	63	4	14	4	16	62	4	47	29	513	4	223	23	83	148											
117	200	n/a	34	187	80	2	13	6	23	87	2	7	27	314	0	228	33	83	150	5.0	6.2	1.8	6.3	1.0	5.7	0.4	1.2	3.0	0.4	2.7
118	570	n/a	30	26	46	3	17	7	29	n/a	1	30	31	281	1	291	39	110	170	6.2	6.4	2.0	6.9	1.1	6.4	0.5	1.3	3.4	0.5	3.4
119	780	n/a	36	188	37	3	16	6	22	100	4	48	24	376	2	202	28	87	160	4.9	5.1	1.5	4.9	0.8	4.7	0.3	0.9	2.5	0.4	2.4
120	600	n/a	21	23	15	4	20	6	27	0	4	34	23	546	2	184	33	99	160	6.2	5.3	1.7	5.6	0.9	5.3	0.5	1.1	2.9	0.5	3
121	693	48	43	36	22	7	29	9	34	17	8	23	16	292	12	72	40	103	206											
122	481	37	70	166	74	4	27	5	24	79	6	46	27	659	9	200	28	86	156											
123	660	38	46	75	58	4	23	5	23	55	8	58	21	946	10	187	18	107	201											
124	890	41	39	52	24	5	24	8	20	23	10	30	22	692	8	205	26	82	208											
125	390	n/a	32	99	79	2	10	3	16	56	3	9	26	562	1	204	22	89	100	3.4	3.9	1.2	4.0	0.6	3.7	0.3	0.7	2.0	0.3	1.8
126	290	n/a	30	149	63	3	17	6	21	72	4	13	24	698	2	172	24	85	140	4.9	4.7	1.3	4.5	0.7	3.9	0.3	0.8	2.1	0.3	2.2
127	660	n/a	21	12	12	3	19	7	25	n/a	4	27	23	558	2	196	31	100	170	5.7	5.6	1.8	5.6	0.9	5.1	0.4	1.0	2.7	0.4	2.7
128	720	n/a	23	97	42	3	20	6	22	44	6	51	19	442	3	138	19	85	170	5.4	4.5	1.1	3.9	0.6	3.3	0.2	0.6	1.6	0.3	1.6
129	520	n/a	39	181	44	3	12	5	19	85	4	15	27	517	1	237	30	86	110	4.1	4.9	1.5	5.1	0.8	5.0	0.4	1.0	2.8	0.4	2.8
130	860	n/a	28	128	64	3	16	5	21	53	4	60	23	433	2	203	28	86	130	4.9	4.8	1.4	4.8	0.8	4.6	0.4	0.9	2.5	0.4	2.5
131	626	32	51	174	62	4	22	6	21	87	7	42	25	689	11	205	25	80	189											
132	1160	28	80	0	9	5	16	4	15	4	13	72	3	576	9	28	6	50	140											
133	785	44	64	0	11	6	18	6	18	5	19	102	8	154	16	20	28	64	140											

[1] all samples collected in UTM Zone 9U
b.d. = below detection

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2006
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Sheet 3 of 3, Geology (Data tables)

Recommended citation:
Haggart, J.W., Diakow, L.J., Mahoney, J.B., Woodsworth, G.J., Struik, L.C., Gordee, S.M., and Rusmore, M.
2006: Geology, Bella Coola region (93D/01, /07, /08, /10, /15 and parts of 93D/02, /03, /06, /09, /11, /14, /16, and 92M/15 and /16), British Columbia; Geological Survey of Canada, Open File 5385; British Columbia Geological Survey, Geoscience Map 2006-7, scale 1:100 000.

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