1:50 000 Canada EDITION 2 92 N/9

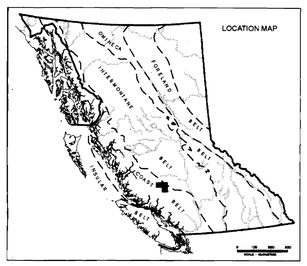
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
CONTOUR INTERVAL ——— 100 FEET

NORTH AMERICAN DATUM 1927
TRANSVERSE MERCATOR PROJECTION

SYMBOLS

- Geological boundary (defined, approximate, assumed)
- Fault (defined, approximate, assumed)
- Thrust Fault
- Bedding, tops known (inclined, vertical, overturned)
- Bedding, tops unknown (inclined, vertical)
- Slaty cleavage, schistosity (inclined, vertical)
- Vein (inclined, vertical)
- Dike (inclined, vertical)
- Joint (inclined, vertical)
- Bedding/Cleavage intersection lineation
- Slickenside lineation
- Fracture cleavage (inclined, vertical)
- Minor ductile shear zone (inclined, vertical)
- Minor fold axis with vergence indicated (arrow indicates plunge)
- Minor brittle fault (inclined, vertical, displacement shown where known)
- Anticlinal fold axis (arrow indicates plunge)
- Synclinal fold axis (arrow indicates plunge)
- Anticlinal fold axis, overturned (arrow indicates plunge)
- Small bedrock exposure within Quaternary cover
- Boundary of Ts'yl-os Provincial Park

LOCATION MAP



Ministry of Energy, Mines and Petroleum Resources

Mineral Development Agreement

1895 - 1995 100 YEARS OF GEOLOGICAL SURVEYING

Geological Survey Branch

OPEN FILE 1995-7

(Sheet 1 of 2)

GEOLOGY OF THE TATLAYOKO LAKE MAP AREA, BRITISH COLUMBIA

NTS 92N/8, 9, 10

Compiled by P. Schiarizza and D.M. Melville

Geology by:
P. Schiarizza, D.M. Melville, J. Riddell, B.K. Jennings, and D. Hick
B.C. Geological Survey Branch, 1994

P.J. Umhoefer and M.J. Robinson, Northern Arizona University, 1994

H.W. Tipper, J. Simpson, D. Watkins, J. Crawford, R. Woodsworth, R. Park, A. Mitchell, K. Dahlman, B. Calder and J. Lau, Geological Survey of Canada, 1967

Scale 1:50 000

0 1 2 3 4 5 kilometres

Legend

PLEISTOCENE AND RECENT

Qal — Unconsolidated glacial, fluvial and alluvial deposits

MIOCENE AND PLIOCENE
CHILCOTIN GROUP

MPCv — Olivine basalt flows

Northeast of Yalakom fault (Intermontane Belt)

Stikine Terrane (?)

LOWER TO MIDDLE JURASSIC
HAZELTON GROUP (?)

lmJv — Medium to dark green andesite; locally includes diorite and gabbro; minor amounts of volcanic breccia, sandstone and siltstone; lmJvs - characterized by secondary brecciation and quartz-epidote-calcite veining

lmJvb — Green, purple and grey volcanic breccia and tuff; lesser amounts of volcanic conglomerate and sandstone

Intrusive Rocks

CRETACEOUS OR TERTIARY (?)

KTfp — Feldspar porphyry

JURASSIC OR CRETACEOUS (?)

JKqd — Quartz diorite

Southwest of Yalakom fault (Coast Belt)

UPPER CRETACEOUS
POWELL CREEK FORMATION (uKpc2 and uKpc1)

uKpc2 — Purple, green and grey andesitic volcanic breccia, lapilli tuff and ash tuff; laharic breccia; mafic to intermediate volcanic flows; volcanic conglomerate and sandstone

uKpc1 — Well stratified volcanic breccia and conglomerate; minor amounts of volcanic sandstone and siltstone

uKs — Grey and green lithic sandstone intercalated with dark grey to purple shale; lesser amounts of arkosic sandstone and chert pebble conglomerate

Niut Range

TRIASSIC OR CRETACEOUS (?)

ʔ/Kv — Green, brownish-weathered andesite and andesitic breccia and tuff; commonly hornblende-feldspar-phyric, locally pyroxene-feldspar-phyric; minor amounts of felsic tuff, agglomerate and conglomerate; may correlate with the Lower Cretaceous Ottarasko formation or the Middle to Upper Triassic Mount Moore formation

ʔ/Ks — Conglomerate containing clasts of felsic to mafic volcanic rock and less common clasts of sedimentary and plutonic rock; lesser amounts of lithic sandstone, arkosic sandstone and shale

UPPER TRIASSIC (?)

uʔns — Brown calcareous sandstone; calcarenite, shale and limestone-cobble conglomerate

Methow Terrane

LOWER CRETACEOUS
Albian
JACKASS MOUNTAIN GROUP

IKJMs — Green to bluish-green, light brown to brownish-grey weathering lithic arkosic sandstone and gritty sandstone; lesser amounts of siltstone, shale and granule to pebble conglomerate

IKJMsh — Dark grey siltstone and shale; minor amounts of sandstone

IKJMcg — Sandstone intercalated with lenses of pebble to cobble conglomerate containing volcanic, plutonic and metamorphic clasts

IKJM — Undivided sandstone and conglomerate

UPPER JURASSIC TO LOWER CRETACEOUS
RELAY MOUNTAIN GROUP
Valanginian to Barremian

IKRM2 — Brown, green and grey lithic and arkosic sandstone; dark grey to brown siltstone and shale; minor amounts of granule to pebble conglomerate

Oxfordian to Valanginian

JKRM1 — Brown, green and grey lithic and arkosic sandstone; brown to grey siltstone and mudstone; lesser amounts of polymictic pebble to cobble conglomerate and *Buchia* coquina

Kimmeridgian to Hauterivian

JKRM — Eastern Niut Range: Kimmeridgian feldspathic-lithic sandstone and polymictic pebble to cobble conglomerate, overlain by Hauterivian(?) shale and arkosic sandstone

JKRMm — Hornfelsed sandstone and siltstone tentatively correlated with the Relay Mountain Group

MIDDLE JURASSIC
Callovian

mJs — Volcanic-lithic sandstone, gritty sandstone, siltstone and mudstone; locally includes pebble conglomerate at base

LOWER TO MIDDLE JURASSIC
Pliensbachian to Bajocian

lmJs — Thin-bedded, laminated to crosslaminated siltstone, shale and fine-grained sandstone; medium to very thick-bedded, coarse grained volcanic-lithic sandstone and gritty sandstone; lesser amounts of granule to pebble conglomerate containing volcanic clasts and local limestone clasts; minor amounts of laminated to crosslaminated silty limestone; locally includes andesitic tuff, volcanic breccia and rare intermediate flows or sills; lmJss - massive sandstone and gritty sandstone intercalated with lesser amounts of siltstone and shale

Pliensbachian to Callovian

lmJsu — Units lmJs and mJs undivided

UPPER TRIASSIC

uʔs — Lithic sandstone, calcarenite, pebbly calcarenite and fossil hash; lesser amounts of siltstone, micritic limestone, arkosic sandstone and pebble conglomerate

TRIASSIC (?)

ʔcg — Maroon, locally green, pebble to cobble conglomerate containing clasts of intermediate to felsic volcanic rock and less common granitoid rock, limestone and clastic sedimentary rock; lesser amounts of sandstone, siltstone and argillite; minor amounts of micritic limestone

ʔv — Purple tuff and welded tuff

Cadwallader Terrane

LOWER TO MIDDLE JURASSIC

lmJlc — Dark grey argillite and siltstone, commonly with calcareous concretions; minor amounts of sandstone

UPPER TRIASSIC
CADWALLADER GROUP

uʔCH — Hurley Formation: thin-bedded, light and dark grey laminated siltstone and shale; thin to thick-bedded, fine to coarse-grained sandstone and calcareous sandstone

Intrusive Rocks

CRETACEOUS AND/OR TERTIARY (?)

KTqd — Quartz diorite, granodiorite

LATE TRIASSIC AND/OR YOUNGER

ʔTg — Granite

ʔThp — Hornblende feldspar porphyry

ʔTqd — Quartz diorite, diorite

LATE TRIASSIC AND(?) YOUNGER

LʔTqd — Mount Skinner Igneous Complex: diorite and quartz diorite intruded by dikes of basalt, diabase, hornblende feldspar porphyry, quartz feldspar porphyry and aplite; also includes masses of fine grained greenstone that may be dike swarms and/or screens of older volcanic rock

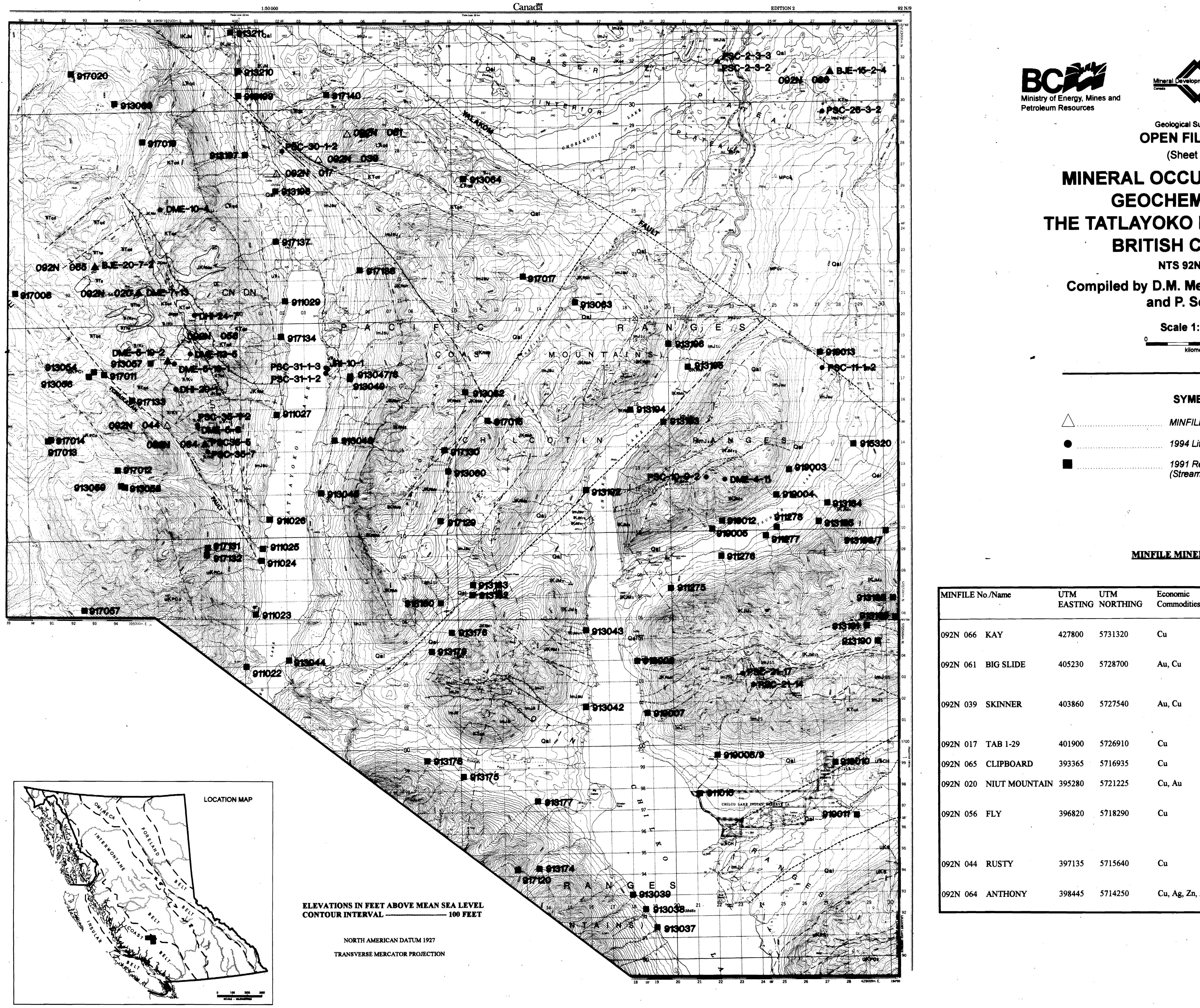
OF95-7
Sheet 2 of 2.

1991 REGIONAL GEOCHEMICAL SURVEY - STREAM SEDIMENT RESULTS

MAP	SAMPLE NUMBER	UTM EASTING	UTM NORTHING	Au ppb	Ag ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	La ppm	Cr ppm	Ba ppm	Na %	W ppm	Hg ppb	LOI %
92N08	911015	421196	5697639	2	0.2	1	14	2	61	7	8	199	4.20	8.3	0.8	2.0	0.2	0.6	0.2	52	16	33	500	2.80	2	20	2.7
92N08	911022	400122	5703902	2	0.2	1	25	4	42	10	10	531	3.47	24.0	0.9	1.4	0.5	0.8	0.2	46	12	42	320	2.26	2	40	19.0
92N08	913037	419118	5691409	3	0.2	2	59	2	67	54	25	459	4.87	38.0	1.0	1.4	0.2	1.0	0.2	100	9	180	400	1.71	2	1310	10.8
92N08	913038	418607	5692283	2	0.2	1	21	2	45	10	13	332	4.42	11.0	1.0	2.1	0.2	0.4	0.2	65	14	45	300	2.20	2	50	11.4
92N08	913039	418026	5692959	7	0.2	1	33	4	78	29	18	428	5.89	22.0	1.6	4.2	0.2	1.0	0.2	87	20	71	490	1.58	2	80	5.8
92N08	913042	415938	5701774	2	0.2	2	27	4	131	13	12	556	4.36	44.0	1.4	2.1	0.6	3.4	0.2	59	12	33	550	2.01	2	100	8.7
92N08	913043	416001	5705380	2	0.2	1	23	2	79	14	13	378	4.15	17.0	1.1	2.0	0.3	1.2	0.2	69	12	36	520	2.25	6	50	5.7
92N08	913044	402124	5704190	2	0.2	1	28	2	96	14	14	400	4.82	15.0	1.8	2.1	0.5	1.2	0.2	65	13	52	360	2.09	2	80	4.1
92N08	913174	413666	5694224	2	0.2	1	36	4	65	17	17	505	5.61	27.0	0.6	1.6	0.2	1.5	0.2	88	13	54	490	2.29	2	1610	4.4
92N08	913175	410166	5696587	2	0.2	1	28	3	50	12	15	403	4.82	12.0	0.5	1.6	0.2	0.5	0.2	93	12	36	450	2.67	2	130	6.4
92N08	913176	409722	5705353	2	0.2	1	27	4	149	14	15	570	5.00	25.0	1.1	2.0	1.1	2.5	0.2	66	11	29	520	2.33	2	180	5.6
92N08	913177	413637	5697383	4	0.2	2	42	5	75	16	18	411	5.49	30.0	0.6	1.9	0.2	1.3	0.2	87	13	48	440	2.31	2	450	10.1
92N08	913178	408535	5699344	2	0.2	1	38	2	63	10	19	501	5.82	8.0	0.5	1.3	0.2	0.4	0.2	90	9	27	300	2.42	2	50	9.0
92N08	913179	408819	5704483	2	0.2	2	20	3	116	12	11	900	4.28	13.0	0.9	1.7	0.6	1.6	0.2	52	11	34	470	2.18	2	100	13.0
92N08	913190	429604	5704690	375	0.2	2	24	2	81	14	14	411	5.09	18.0	0.9	2.0	0.4	1.0	0.2	66	14	53	470	2.54	2	30	6.2
92N08	913191	429108	5705411	4	0.2	3	36	3	102	16	15	378	4.75	19.0	1.0	2.7	0.3	1.0	0.2	87	13	52	420	2.17	2	50	9.2
92N08	917120	412643	5694197	14	0.2	2	58	4	78	16	21	588	6.36	21.0	0.9	1.2	0.2	1.0	0.2	128	10	62	270	1.71	2	290	6.9
92N08	919006	418366	5703910	2	0.2	2	44	7	105	19	19	607	4.95	18.0	1.4	2.1	0.3	0.8	0.2	82	13	43	460	2.28	2	50	6.4
92N08	919007	418602	5701462	2	0.2	1	37	3	71	13	13	573	3.68	24.0	1.1	1.5	0.4	3.6	0.2	57	9	34	420	1.56	2	90	19.8
92N08	919008	422046	5699439	2	0.2	2	23	2	106	14	10	387	5.62	21.0	1.4	2.2	0.6	1.4	0.2	61	14	37	340	2.30	2	20	7.9
92N08	919009	422046	5699439	2	0.2	2	24	2	108	10	10	379	5.86	21.0	1.3	1.7	0.6	1.4	0.2	64	13	39	430	2.23	2	20	7.4
92N08	919010	427557	5699043	2	0.2	2	21	2	67	9	10	358	4.03	26.0	1.4	2.1	0.3	1.4	0.2	51	13	34	390	2.64	2	20	3.5
92N08	919011	428497	5696548	2	0.2	1	28	3	68	22	19	478	6.98	5.9	2.0	2.1	0.2	0.6	0.2	110	15	86	380	2.37	2	80	4.5
92N09	911023	400601	5706343	2	0.2	2	20	2	32	10	10	1700	3.90	44.0	1.1	2.0	0.2	1.2	0.2	60	11	39	450	2.38	2	30	16.6
92N09	911024	400698	5708641	5	0.2	1	27	4	56	16	12	287	4.12	21.0	1.0	2.8	0.2	1.0	0.2	47	12	51	380	2.52	2	40	4.0
92N09	911025	400988	5709387	2	0.2	2	33	5	128	17	11	461	4.62	40.0	0.7	1.9	0.5	2.6	0.2	44	12	45	440	2.03	2	110	8.5
92N09	911026	401320	5710781	2	0.2	2	66	6	121	26	20	468	5.61	18.0	1.1	2.9	0.5	0.6	0.2	68	15	57	470	1.93	2	70	4.4
92N09	911027	401714	5715651	6	0.3	2	70	10	154	23	17	430	5.70	21.0	1.7	4.2	0.7	0.8	0.2	56	21	54	490	1.63	2	90	4.1
92N09	911029	402170	5721001	7	0.2	2	34	3	63	9	13	345	4.16	23.0	1.4	2.1	0.2	0.8	0.2	45	10	31	380	1.89	2	120	8.6
92N09	911275	419991	5707296	6	0.2	2	28	3	76	19	20	585	4.20	4.8	0.9	2.7	0.2	0.3	0.2	99	13	49	620	2.26	2	30	11.6
92N09	911276	422368	5708749	2	0.2	1	35	2	82	19	14	495	4.40	10.0	1.0	2.2	0.2	0.5	0.2	98	11	49	480	2.36	2	20	3.7
92N09	911277	424466	5709710	2	0.2	1	23	2	51	14	14	415	3.55	4.1	0.9	2.2	0.2	0.2	0.2	102	13	44	510	2.24	2	20	15.0
92N09	911278	424987	5710101	2	0.2	1	27	2	58	20	15	414	3.90	6.3	1.0	2.2	0.2	0.3	0.2	94	14	50	540	2.30	2	20	4.0
92N09	913045	403738	5711958	2	0.2	2	32	4	80	19	16	458	4.21	8.5	1.5	2.5	0.2	0.4	0.2	91	16	38	500	1.91	2	20	4.9
92N09	913046	404425	5714410	2	0.2	2	32	4	78	20	15	432	4.18	6.7	1.4	2.2	0.2	0.4	0.2	94	15	44	440	2.01	2	10	4.5
92N09	913047	405196	5717377	2	0.2	1	18	2	83	12	12	363	3.63	10.0	1.1	1.8	0.2	0.6	0.2	68	12	28	460	2.29	2	30	3.1
92N09	913048	405196	5717377	6	0.2	1	20	3	83	13	11	399	3.21	9.2	1.3	1.9	0.2	0.6	0.2	72	11	29	310	2.09	2	30	4.8
92N09	913049	405182	5717283	2	0.2	1	21	3	76	14	12	366	3.29	8.1	1.4	2.2	0.2	0.3	0.2	69	13	38	380	1.99	2	20	0.5
92N09	913060	409686	5712904	4	0.2	2	21	3	90	11	10	880	3.27	20.0	1.2	1.8	0.4	1.2	0.2	54	10	26	440	1.92	3	60	8.1
92N09	913062	410528	5716580	2	0.2	3	43	4	83	18	13	415	3.83	5.7	1.4	2.4	0.2	0.4	0.2	84	15	39	380	1.71	2	20	7.7
92N09	913063	415717	5720722	2	0.2	2	28	3	107	15	15	691	3.89	13.0	1.3	2.5	0.5	1.0	0.2	70	14	38	410	1.75	2	50	13.3
92N09	913064	410568	5726549	2	0.2	2	18	2	90	12	12	980	3.94	15.0	2.0	2.2	0.3	0.8	0.2	56	12	38	530	1.87	2	50	12.7
92N09	913180	409246	5706737	62	0.2	2	25	4	119	12	12	608	4.28	32.0	1.1	2.1	0.9	3.6	0.2	44	11	31	390	2.43	2	80	6.1
92N09	913182	410731	5707104	5	0.2	1	24	2	72	25	14	434	5.05	11.0	0.5	1.6	0.2	1.0	0.2	72	12	53	390	2.73	2	50	2.8
92N09	913183	410765	5707577	7	0.2	1	20	3	105	14	13	588	4.94	13.0	0.8	2.1	0.6	1.4	0.2	60	13	40	510	2.59	2	70	6.0
92N09	913184	427376	5711185	14	0.3	1	34	4	71	27	18	500	4.94	5.3	0.5	2.1	0.2	0.5	0.2	108	13	69	400	2.26	2	40	10.4
92N09	913185	426939	5710310	2	0.2	1	34	3	62	19	15	513	4.16	5.4	0.8	2.1	0.2	0.4	0.2	105	13	54	430	2.41	2	30	9.8
92N09	913186	430039	5709825	2	0.2	1	20	2	56	22	14	333	4.26	4.7	0.5	1.9	0.2	0.4	0.2	76	13	69	460	2.65	2	30	5.1
92N09	913187	430039	5709825	2	0.2	1	20	2	58	24	14	322	4.17	4.5	0.6	2.2	0.2	0.4	0.2	78	13	68	410	2.64	2	30	4.7
92N09	913188	430340	5706704	11	0.2	2	22	2	50	22	14	339	4.23	6.3	0.8	2.3	0.2	0.5	0.2	66	15	66	410	2.58	2	20	7.7
92N09	913189	430456	5705793	5	0.2	1	21	3	83	12	14	432	4.59	7.3	0.7	1.7	0.4	0.6	0.2	66	12	47	410	2.81	2	30	5.4
92N09	913192	416091	5711930	2	0.2	1	18	3	78	11	11	352	4.12	10.0	0.8	1.9	0.2	0.9	0.2	63	11	41	470	2.60	2	50	6.3
92N09	913193	419762	5715065	2	0.2	2	30	3	154	14	13	697	4.31	12.0	0.8	1.4	1.2	1.4	0.2	62	9	35	400	1.84	2	50	16.1
92N09	913194	418220	5715645	2	0.2	2	43	2	38	8	13	211	5.21	9.8	1.0	1.9	0.2	0.3	0.2	52	15	43	310	2.54	2	30	4.6
92N09	913195	420936	5717628	2	0.2	1	38	2	38	7	12	218	5.06	10.0	0.9	2.0	0.2	0.2	0.2	51	14	42	290	2.54	2	20	3.6
92N09	913196	420075	5718710	2	0.2	1	22	2	107	11	11	448	4.86	12.0	0.8	1.9	0.5	1.6	0.2	61	13	36	500	2.43	2	40	9.3
92N09	913197	400423	5727826	2	0.2	2	51	2	43	9	15	230	6.51	12.0	1.4	2.7	0.2	0.4	0.2	59	17	51	390	2.66	2	30	4.7
92N09	913198	401791	5726109	2	0.2	1	24	2	42	7	13	214	4.73	9.7	2.3	2.0	0.2	0.5	0.2	55	13	39	300	2.66	2	50	4.6
92N09	913199	400144	5730619	2	0.2	1	30	2	46	9	11	286	4.57	9.3	0.9	1.7	0.2	0.5	0.2	62	11	42	290	2.37	2	20	7.9
92N09	913210	400111	5731720	2	0.2	1	41	2	51	11	16	321	5.62	14.0	1.0	1.1	0.2	0.4	0.2	65	9	42	300	2.53	2	50	2.8
92N09	913211	399846	5733609	2	0.2	1	18	2	46	8	10	333	4.35	10.0	0.8	1.9	0.2	0.4	0.2	45	12	41	340	2.56	2	40	3.3
92N09	915320	428630	5713934	2	0.2	1	18	2	49	14	11	417	3.33	5.1	1.1	1.7	0.2	0.2	0.2	69	12	54	330	2.52	2	10	5.7
92N09	917015	411560	5715256	2	0.2	2	24	4	139	10	10	449	3.56	28.0	1.9	1.6	1.0	2.6	0.2	56	10	33	380	2.09	2	50	4.0
92N09	917017	413291	5721941	5	0.2	1	21	2	82	11	11	315	3.42	7.5	1.5	1.8	0.2	0.7	0.2	64	12	42	310	2.34	2	160	5.3
92N09	917129	409287	5710580	4	0.2	2	21	5	120	19	11	492	4.19	24.0	1.5	1.8	0.8	2.2	0.2	55	9	26	460	2.41	2	80	5.2
92N09	917130	409531	5713894	21	0.2	2	31	5	82	16	14	487	4.09	5.5	1.7	2.0	0.2	0.4	0.2	74	16	44	420	1.92	2	30	9.2
92N09	917131	398415	5709498	4	0.2	1	31	5	51	15	15	380	4.82	30.0	1.7	3.4	0.2	1.0	0.2	31	13	69	560	2.32	2	150	5.9
92N09	917132	398366	5709146	2	0.2	2	34	4	54	16	14	297	4.44	20.0	2.6	3.0	0.2	0.6	0.2	42	16	53	580	2.52	2	50	7.0
92N09	917134	401962	5719310	2	0.2	3	9	2	27	8	8	186	3.12	18.0	2.9	2.0	0.2	0.4	0.2	50	13	36	340	2.61	2	10	3.5
92N09	917137	401785	5723758	4	0.2	1	16	2	45	8	10	265	3.72	7.9	1.3	1.4	0.2	0.4	0.2	46	11	33	280	2.61	2	40	1.6
92N09	917138	405701	5722373	2	0.2	3	35	3	70	9	5	208	1.61	3.8	0.8	0.7	1.0	0.4	0.2	34	6	17	130	1.13	2	50	17.6
92N09	917140	404250	5730618	2	0.2	2	36	2	66	12	14	8000	4.27	16.0	1.3	1.6	0.2	0.9	0.2	59	10	37	460	2.27	2	110	6.3
92N09	919003	425593	5712747	2	0.2	2	38	3	49	14	11	388	3.50	22.0	1.3	2.1	0.2	3.6	0.2	63	11	38	390	1.95	2	80	10.9
92N09	919004	424960	5711585	2	0.2	1	34	4	66	33	19	471	5.21	7.7	1.1	2.2	0.2	0.6	0.2	82	13	79	430	2.14	2	60	9.9
92N09	919005	421942	5710030	4	0.2	2	40	4	69	24	18	477	4.94	12.0	1.0	1.7	0.2	0.8	0.2	88	13	67	390	2.25	2	40	9.5
92N09	919012	422429	5710395	2	0.2	1	39	4	70	27	23	568	5.97	6.7	1.0	1.8	0.2	0.5	0.2	109	13	73	530	2.37	2	50	6.8
92N09	919013	427137	5718220	2	0.2	1	21	3	75	12	12	347	4.91	8.8	1.6	1.8	0.2	0.8	0.2	69	12	50	350	2.13	2	70	4.7
92N10	913054	393244	5717786	2	0.2	2	18	3	52	21	13	1010	3.20	44.0	1.9	2.2	0.2	0.5	0.2	94	12	61	390	1.59	2	40	17.6
92N10	913056	392999	5717587	22	0.2	1	38	2	72	37	20	634	4.67	18.0	1.1	1.6	0.2	0.2	0.2	77	10	84	380	1.65	2	40	9.4
92N10	913057	395865	5718170	296	0.3	7	133	21	92	7	12	268	6.32	48.0	0.7	0.9	0.3	1.0	0.5	74	6	31	330	1.20	3	50	4.8
92N10	913058	394618	5712379	2	0.2	1	49	10	86	31	21	604	5.12	71.0	1.2	1.3	0.2	1.2	0.2	89	10	70	290	1.84	2	70	8.7
92N10	913059	394442	5712426	2	0.2	2	40	10	88	30	19	469	5.03	35.0	0.7	1.4	0.2	0.9	0.2	84	9	74	330	1.71	2	50	7.1
92N10	913066	394372	5730314	2	0.2	2	29	2	89	14	15	1000	4.00	13.0	1.0	1.8	0.3	0.3	0.2	71	11	49	340	1.72	2	50	20.2
92N10	917008	389651	5721547	9	0.2	2	44	2	62	18	20	462	5.34	17.0	3.5	2.0	0.3	0.3	0.2	80	11	78	350	1.75	2	40	10.4
92N10	917011	393718	5717666	2	0.2	2	41	2	60	19	18	513	5.08	35.0	1.6	2.7	0.2	0.6	0.2	88	12	110	350	1.42	2	40	13.9
92N10	917012	394244	5713194	2	0.2	2	38	2	65	22	18	477	4.92	16.0	1.2	1.6	0.2	0.3	0.2	86	11	63	270	2.06	2	30	9.8
92N10	917013	391052	5714612	7	0.2	1	35	3	68	18	15	378	4.00	25.0	1.1	1.9	0.2	0.7	0.2	66	12	56	380	2.32	2	50	4.9
92N10	917014	391203	5714656	2	0.2	2	46	3	71	25	17	493	4.53	19.0	1.0	1.6	0.2	0.7	0.2	62	12	75	290	1.77	2	10	5.0
92N10	917019	395646	5728522	8	0.2	3	131	3	103	15	26	940	5.52	22.0	7.0	1.2	0.3	0.4	0.2	137	8	40	320	1.46	2	90	12.8
92N10	917020	392386	5731707	2	0.2	2	32	2	55	13	16	540	4.35	22.0	1.8	1.2	0.2	0.4	0.2	110	9	77	280	1.90	2	50	14.2
92N10	917057	392606	5706635	2	0.2	1	40	4	61	22	19	479	5.58	21.0	2.4	2.0	0.2	0.8	0.2	39	13	69	450	1.87	2	20	4.8
92N10	917133	395011	5716446	29	0.2	8	289	15	266	13	25	532	6.25	33.0	1.5	1.1	1.0	0.8	0.5	79	11	31	280	1.40	2	110	4.4

1994 LITHOGEOCHEMISTRY

FIELD NUMBER	UTM EASTING	UTM NORTHING	ROCK TYPE	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Mo ppm	As ppm	Sb ppm
BJE-15-2-4	427800	5731320	Calcite Vein	<1	0.1	817	2	14	1	37	2	2	<2
BJE-20-7-2	393365	5722700	Granite	<1	<0.1	1896	4	15	<1	77	1	<2	3
DHI-20-4	397050	5716935	Pyritized Metasediments	7	0.1	90	6	136	<1	40	2	57	2
DHI-24-7	397950	5720380	Gossanous Quartz Diorite	<1	0.3	291	6	76	10	46	2	14	<2
DME-4-11	422590	5712330	Quartz Vein	<1	<0.1	25	2	50	13	35	1	<2	<2
DME-5-8	398045	5715130	Oxidized Zone	11	0.2	6	4	9	<1	129	1	4	3
DME-5-19-1	397050	5718125	Pyritized Altered Volcanic	10	0.2	79	<2	25	20	31	1	6	<2
DME-5-19-2	396680	5718225	Quartz Diorite	<1	0.2	5216	6	268	7	41	1	5	3
DME-7-13	395365	5721445	Pyritic Altered Rock	2	<0.1	40	55	195	24	31	1	3	31
DME-10-4	396450	5725330	Quartz Vein	<1	<0.1	4	13	22	7	64	<1	<2	13
DME-13-5-1	397750	5718575	Quartz Vein	18	0.3	115	11	40	3	93	1	28	7
JRI-10-1	404150	5717760	Sulfide-rich Intrusive	<1	<0.1	1	<2	4	<1	46	252	<2	4
PSC-2-3-2	422570	5731865	Gossan	<1	0.1	16	3	22	<1	17	1	7	<2
PSC-2-3-3	422575	5731865	Gossan	<1	<0.1	3	5	8	<1	71	2	2	4
PSC-10-9-2	421730	5712450	Quartz Vein	<1	<0.1	7	2	7	<1	142	<1	<2	4
PSC-10-9-2*	421730	5712450	Quartz Vein	<1	0.1	7	5	6	3	140	1	4	3
PSC-11-1-2	427215	5717470	Quartz/Calcite Vein	3	<0.1	6	6	38	<1	50	<1	<2	2
PSC-21-14	423810	5702700	Hornfelsed Siltstone	3	0.1	24	<2	50	7	39	2	8	3
PSC-21-17	423290	5703230	Fault Breccia Zone	<1	0.2	44	4	73	3	134	15	<2	6
PSC-26-3-2	427415	5729455	Brecciated Rock	<1	0.1	151	<2	61	17	27	1	2	<2
PSC-30-1-2	402175	5727900	Pyritic Argillite	<1	<0.1	36	4	71	12	20	1	28	<2
PSC-31-1-2	404050	5717575	Gossanous Quartz-pyrite-altered Rock	3	<0.1	6	<2	9	5	35	2	<2	3
PSC-31-1-3	404070	5717835	Quartz-pyrite-altered Rock	<1	<0.1	4	3	3	1	74	2	<2	3
PSC-35-1-2	398035	5715245	Gossanous Quartz-pyrite-altered Rock	5	0.3	4	6	35	<1	73	1	10	3
PSC-35-5	398355	5714315	Quartz-epidote-altered Andesite	<1	0.2	5300	5	345	11	32	<1	10	<2
PSC-35-7	398490	5713995	Quartz Vein	5	3	4585	9	184	4	83	4	12	4



Ministry of Energy, Mines and Petroleum Resources

Mineral Development Agreement

1895 - 1995
100 YEARS OF GEOLOGICAL SURVEYING

Geological Survey Branch
OPEN FILE 1995-7
(Sheet 2 of 2)

MINERAL OCCURRENCES AND GEOCHEMISTRY OF THE TATLAYOKO LAKE MAP AREA, BRITISH COLUMBIA

NTS 92N/8, 9, 10

Compiled by D.M. Melville, B.K. Jennings and P. Schiarizza

Scale 1:100 000
0 — 5 kilometres

SYMBOLS

Symbol	Meaning
△	*MINFILE Mineral Occurrences*
●	*1994 Lithogeochemical Sample Locations*
■	*1991 Regional Geochemical Survey (Stream Sediments)*

MINFILE MINERAL OCCURRENCES

MINFILE No./Name	UTM EASTING	UTM NORTHING	Economic Commodities	Geological Description
092N 066 KAY	427800	5731320	Cu	Disseminated azurite and malachite occur in hydrothermal calcite veinlets within a mafic porphyry of unit lmJvb.
092N 061 BIG SLIDE	405230	5728700	Au, Cu	Gold and copper mineralization occur within a number of subparallel northwest-striking sheeted quartz veins hosted in the Mount Skinner Igneous Complex.
092N 039 SKINNER	403860	5727540	Au, Cu	Gold and minor pyrite, chalcopyrite, and malachite occur within a quartz vein hosted in quartz diorite and diorite of the Mount Skinner Igneous Complex.
092N 017 TAB 1-29	401900	5726910	Cu	Sparse chalcopyrite occurs within a shale of unit lmJsu.
092N 065 CLIPBOARD	393365	5716935	Cu	Disseminated malachite occurs within a granite porphyry of unit TTg.
092N 020 NIUT MOUNTAIN	395280	5721225	Cu, Au	Minor malachite, chalcopyrite and traces of gold occur locally within a red gossanous zone within pyritized volcanic rock of unit Tr/Kv.
092N 056 FLY	396820	5718290	Cu	Disseminated malachite, and azurite with lesser amounts of pyrite and chalcopyrite occur within quartz-epidote-carbonate veins and fracture fillings hosted in quartz diorite and adjacent hornblende feldspar porphyry of units Tr Tqd and Tr Thp.
092N 044 RUSTY	397135	5715640	Cu	Disseminated chalcopyrite occurs in faulted sedimentary rocks of unit Tr/Ks.
092N 064 ANTHONY	398445	5714250	Cu, Ag, Zn, Au	Malachite, chalcopyrite and minor sulfides occur sporadically in hydrothermal quartz veins within silica flooded andesite of unit Tr/Kv.