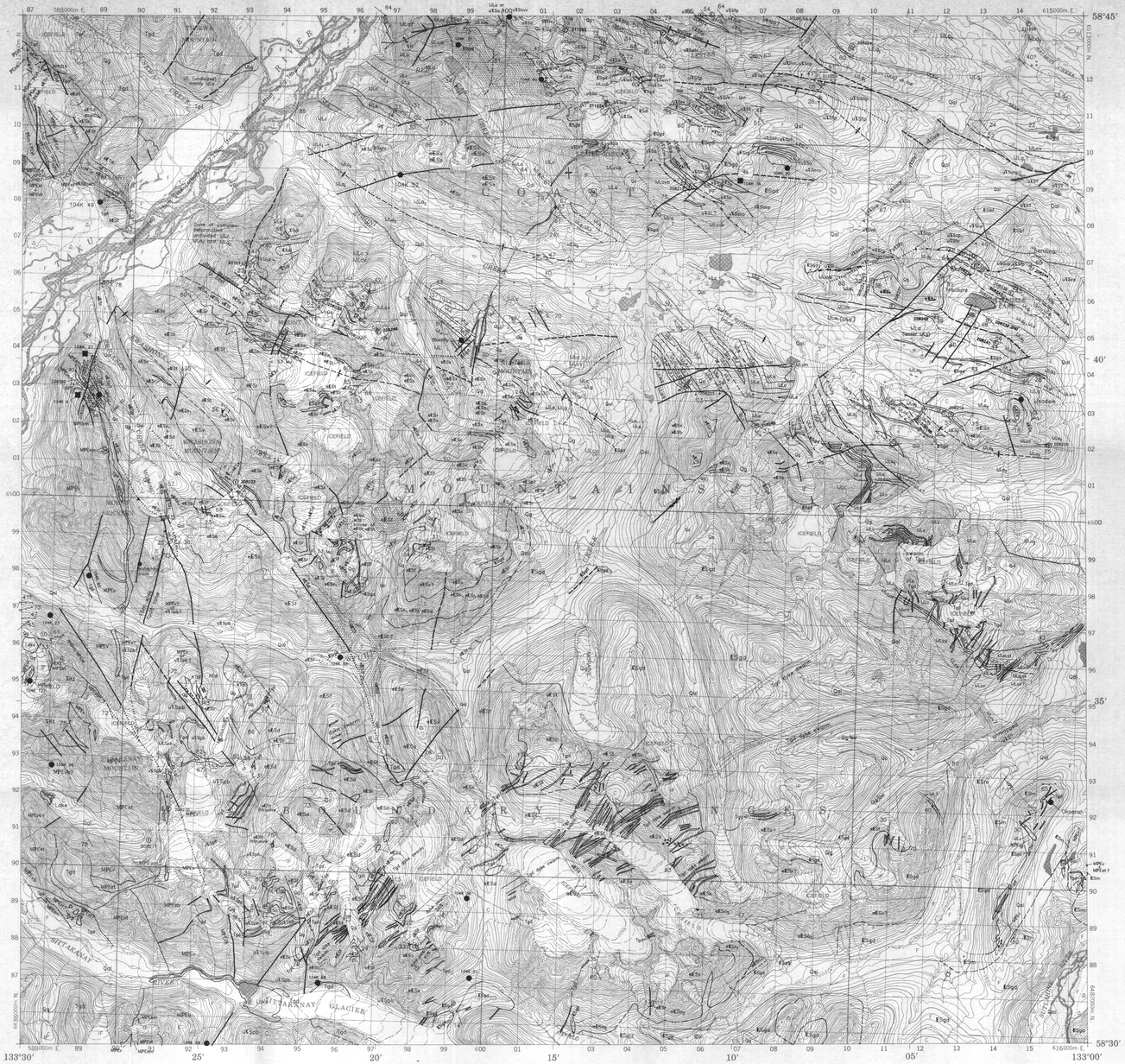


Topographic base map (Stuhini Creek, 104K/11) published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources, 1979.

NORTH AMERICAN DATUM 1927
TRANSVERSE MERCATOR PROJECTION

SURFICIAL DEPOSITS

IF	*icefield or snowfield (may be seasonal)*
Qal	*unconsolidated outwash and alluvium (includes undivided Qc and Qg)*
Qc	*colluvium*
Qg	*unconsolidated glacial till*

LAYERED ROCKS

SLOKO GROUP; Early Eocene; undivided as **εEs**; a bimodal volcanic package dominated by rhyolite flows and derived epiclastics (*c.* 53 to 56 Ma)

εEst	*Trachyte flows. Mauve to light green, indurated, flow-banded, K-feldspar porphyritic, locally columnar jointed with inter-flow units of tuff and/or lahar.*
εEsd	*Chaotic lapilli tuff to breccia and/or debris flow. Fragmental components are dominantly felsic to intermediate and plagioclase-phyric. Commonly maroon with orange-weathering feldspar phenocrysts.*
εEsv	***Tsegtee formation** (informal). Vitrophyric tuff containing feldspar crystal fragments, aphanitic lithic lapilli, coarse lithic ash and flattened pumice. Black to dark brown-weathering.*
εEsb	*Feldspar (sanidine and plagioclase) biotite ± quartz-phyric breccia, ash tuff and flows.*
εEsx	*Green breccia, lesser lapilli tuff, commonly hornblende-feldspar-phyric, indurated and epidote-chlorite altered, massive or with sparse ash interlayers (may include εESs).*
εEso, o1, o2	***Opposaw formation** (informal). Well-indurated, massive, black tuff and breccia; grey, cherty tuff layers minor plagioclase ± hornblende phyric flows; over all composition is probably andesitic. Massive, dark weathering appearance. Underlies many of the higher peaks in the region. Commonly epidotized (amygdules and fractures); may include lesser εEb. εEso1 = massive, εESo2 = layered.*
εESs	***Niagara formation** (informal). Coarse sandstone, Laberge clast-rich conglomerate to siltstone, locally carbonaceous with plant fossils (palm trees and swamp grass); white, black and rust-weathering , generally at lower stratigraphic levels, but may occur at other stratigraphic intervals.*
εESs1	*Maroon tuff, tuffite and maroon to tan or green conglomerate containing mainly Sloko clasts with up to 10% exotics; rare accretionary lapilli layers. South east of Niagara Mountain the unit is fine to medium-grained, well bedded, bleached and silicified. Occurs at several stratigraphic levels.*
εESr	*Rhyolitic to dacitic flows, breccia, tuff, ignimbrite and subvolcanic equivalents. Locally flow banded or spherulitic. Basal unit of the Sloko Group in many areas.*
εESf	*Indurated feldspar porphyry flows and lesser inter-flow breccia and tuff. Dark blue grey, black and green, locally columnar jointed, massive. Some flows may contain up to 3% disseminated pyrite and are gossanous.*
εESc	*Basal conglomerate. Contains abundant clasts of foliated Paleozoic rocks. Minor rhyolite and basalt flows and tuff.*

LABERGE GROUP; Lower to early Middle Jurassic; undivided as **lJL**; many units within the Laberge Group sediments have limited facies-dependent distribution which results from their deposition as coalescing, subaqueous turbiditic fans dominated by greywacke. In the Tulsequah area, these rocks are included with the Takwahoni Formation.

lJLcc	*Chert pebble and granule conglomerate. Late Lower to Middle Bajocian.*
lJLs, s1, s2, s3	*Argillite: undivided (s); Upper Pliensbachian (s3); Toarcian (s2); Lower Bajocian (s1). Irregularly and thinly bedded argillite - siltstone couplets. At King Salmon Ck. the unit is a poorly-indurated silty mudstone of Middle Toarcian age.*
lJLcm	*Metamorphic clast rich conglomerate. Middle Toarcian; pebbles and cobbles of quartz-rich mica schist, intermediate to felsic orthogneiss and other foliated clasts; combined about 30% of all clasts.*
lJLg, g1, g2, q	*Greywacke and plagioclase arkose: undivided (g); Pliensbachian (g1); lower to Middle Toarcian (g2); quartz-rich (g). Typically medium to thick bedded and light green to red-weathering; may be calcareous.*
lJLs, s1, sp	*Siliciclastics: undivided (s); Upper Pliensbachian (s1); (?)Aalenian to Lower Bajocian (sp); grey-brown to red-brown, turbiditic fine greywackes and siliceous shale. Beds are thin to thick; cleavage locally developed in fine-grained layers; soft sediment deformation is common. Unit LlLp is tuffaceous argillite; thin, rhythmic, tan and black beds; temporally and lithologically similar to Kwok Fm. in central British Columbia.*
lJLbw	*Bioclastic calcareous wacke and limestone debris flows, Late Pliensbachian; bivalve hash in planar beds that average 0.5 to 1.5m with interbedded calcareous argillite beds 5 to 20 cm thick.*
lJLc	*Conglomerate. Clasts can include volcanic (pyroxene and hornblende feldspar porphyries, feldspar porphyries, aphanitic mafic to felsic), sedimentary (light and dark grey, rarely fossiliferous, carbonates with lesser wackes and argillite); and intrusive (syenites through leucogranites). Includes lithologies formerly mapped as "Takwahoni Formation". Intrusive clasts typically very well rounded and of cobble to boulder size.*
lJLl	*Calcareous clastics. A distinctive succession containing most or all of the following: thinly bedded, persistent white limestone; calcareous lithic wacke, cherty (volcanic?) granule conglomerate. Up to 50m thick; may be Upper Triassic in part.*
lJLatl	*Maroon tuffaceous argillite and wacke. Spatially associated with unit LlU*
lJLcv, cvb	*Volcanogenic conglomerate and sandstone. Late Pliensbachian alternating beds of massive, green conglomerate, green to brown or maroon, thin to thick-bedded greywacke and mudstone, and lesser black, thin-bedded calcareous to graphitic shale. Unit LlLcvb may contain olistoliths of Upper Triassic limestone and could range in age to Late Triassic.*

STUHINI GROUP; Carnian and Norian; undivided as **uTs**; nascent arc volcanics and associated marine sediments

uTsl	*Limestone. Thin-bedded to massive, light to dark grey, generally sparsely fossiliferous, and typically less than 5m thick and discontinuous.*
uTscv	*Lithologically similar to unit lJLcvb, but of Late Triassic age.*
uTscp	*Volcanogenic conglomerate dominated by clasts of pyroxene porphyry and grey carbonate. Generally orange weathering with a calcareous matrix. Fossiliferous, includes minor uTSs.*
uTSs	*Turbiditic argillite. Black, calcareous to graphitic, laminated to thin-bedded; locally fossiliferous with Halobia, ammonites and belemnoids).*
uTscp	*Undivided or intimately interbedded units uTSs and uTscp in subequal amounts.*
uTSrx	*Sparse tabular feldspar crystal porphyry cobble conglomerate. Black, orange weathering rocks with aphanitic light grey and cherty clasts.*
uTSp	*Aphyric to finely feldspar phyric pillow basalt, dark green with black cherty sedimentary interstices (± volcanic wacke).*
uTSvc	*Volcanic litharenite and wacke. Green to orange weathering in thick, massive beds.*
uTSfp	*Feldspar porphyritic lapilli tuffite and monomict sharpstone conglomerate with olive green ash and argillite interlayers. Orange weathering is characteristic, but is also maroon, tan and light green.*
uTSpb	*Augite-phyric massive flows, hyaloclastite?; breccia pillowed flows and sediments. Chlorite amygdaloidal; accidental fragments are very rare.*

MOUNT EATON SUITE; Late Devonian to Permian arc succession of the STIKINE ASSEMBLAGE

Pennsylvanian to Permian

PPEsc	*Medium-bedded, creamy white-tan to light grey or greenish chert. Commonly interbedded with tan limestone or fusulinid packstone. Rarely black and rusty weathering: Permian?*
PPEsd	*Debris flow - fossiliferous carbonate+ volcanic fragments and tuffaceous shale. Matrix green volcanic sandstone to (rarely) limestone. Clasts up to several metres in diameter.*
PPEvt	*Finely laminated maroon lapilli-ash tuff; locally massive tuff breccia. Some green fragments and intervals of tan, siliceous tuff.*
PPEvc	*Volcanogenic conglomerate and volcanic breccia. Light to bright green weathering, epidotized, massive to crudely bedded, rare sand intervals.*

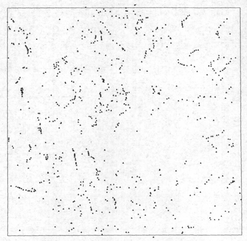
Mississippian or Pennsylvanian

MPEv	*Undifferentiated andesite to basalt flows, breccia, and minor lapilli and ash tuff. Dark green, generally pyroxene phyric, ± chlorite vesicular; tuff typically well-bedded. As mapped, does not represent a single stratigraphic interval.*
MPEst	*Tuffaceous sediment. Tan and dark grey weathering, laminated to medium bedded; AE turbidites, locally with cross-stratified ACE*
MPEstm	*Tuffaceous mudstone/greywacke. White to pea green-weathering; dark grey to dark green fresh; thin to thick-bedded.*
MPEsm	*Massive marble/limestone. Hackly, light-grey weathering; recrystallized. On Mount Erickson may be sparsely fossiliferous at margins and interbedded with equal amounts of chert.*
MPEvb	*Massive basaltic turf breccia and lesser flows. Dark green to maroon, massive; relatively undeformed, generally pyroxene ± labular feldspar porphyritic.*
MPEr	*Rhyolite tuff and minor banded flows. At Mount Erickson may be altered to quartz-sericite-pyrite and is spatially associated with massive sulphide mineralization.*

INTRUSIVE ROCKS

Tgd, qm	*Granodiorite-granite (gd) and quartz monzonite. Medium to coarse-grained, fresh, massive, grey, wide-spaced jointing; apophyses trend northeast. Includes a major dyke swarm in the southeastern map area. Possibly part of a 35Ma intrusive belt that extends into adjacent parts of southeast Alaska.*
ESgd, qm, di, fp, bf	*Sloko intrusive suite: undivided as ESgd; medium-grained, pink to grey granite or granodiorite (gd); quartz monzonite (qm); varitextured diorite (di); feldspar (±hornblende, quartz, biotite) porphyry (fp); orange-weathering, coarse biotite-feldspar-quartz porphyry (bf). High-level, locally xenolith-rich, varitextured, chlorite-lined fractures common; probably comagmatic with Sloko volcanics. Cut by high angle faults with <1 km offset.*
KTdi	*Polyphyase quartz diorite. Probably Cretaceous to Tertiary; locally gabbroic and foliated.*
TKt	*Hornblende tonalite. Weakly foliated, epidote-altered, Triassic to Cretaceous?*

DATA COLLECTION SITE DISTRIBUTION FOR 104K/11



SYMBOLS

Geological boundaries (defined, approximate, assumed)
Intrusive contacts (defined, approximate, assumed)
Unconformity (defined, assumed)
Limit of Quaternary alluvium
Bedding with tops observed (inclined, vertical , overturned) 29
Bedding (horizontal, inclined, vertical) 29
Bedding with estimated dips (inclined, vertical) 29
Igneous flow layering (inclined, vertical)
Schistosity or gneissosity in metamorphic rocks; cleavage in sedimentary rocks: (inclined, vertical; phase indicated by number of ticks)
Joint (inclined, vertical)
Dyke (inclined, vertical)
Vein (inclined, vertical)
Anticline (defined, approximate, assumed)
Syncline (defined, approximate, assumed)
Overturned anticline, syncline
Lineations (unspecified, m = mineral, s = intersection, d = deformed clast, i = igneous inclusion, a = metamorphic aggregate, r = rodding or mullion)
ss = slickenside striae 34
Small shear (inclined, vertical)
High angle fault (defined, approximate, assumed)
Thrust fault (defined, approximate, assumed; teeth in overlying plate)
Lineament
Macrofossil locality (and GSC Catalog No.) 123456
Macrofossil locality (age indeterminate)
Microfossil locality 123456
Isotopic age determination (Method, mineral(s) and age in Ma)
z = U-Pb zircon 6, 53Ma
Adit, trench
Mineral occurrence (showing, developed prospect) 104K 29
Areas of extensive gossan development

Mineral Occurrences

MINFILE No.	Name	Commodity(ies)	Status
104K 009	ERICKSEN-ASHBY	Ag, Pb, Zn, Au	developed prospect
104K 010	RED CAP	Ag, Zn, Cu, Au, Pb, Mo	showing
104K 020	MAIDAS	Au, Ag, Pb, Zn	showing
104K 021	ERICKSEN - ASHBY	Ag, Pb, Zn, Ro, Ga	developed prospect
104K 023	ANTY	Sb, Ag	showing
104K 048	BAKER	Sb, Ag, Pb, Zn, Cu, Au	showing
104K 049	YELLOW BLUFF	Au, Pb, Zn, Ag, Cu	showing
104K 050	STUHINI	Ag, Cu, Mo, Au	showing
104K 051	SUE	Ag, Cu, Mo, Pb, Zn	showing
104K 052	ZOHINI	Au, Ag, Pb, Zn, Sb, As	showing
104K 059	ERIC	Cu, Ag, Mo	showing
104K 060	RED CAP II	Gt	showing
104K 062	SQUAT	Cu, Pb, Zn	showing
104K 068	GRAG	Cu, Ag, Ni	showing
104K 074	GQ	Au, Ag, Pb, Zn, Cu, Sb	showing
104K 085	CAP	Cu, Mo, Ag, Au	showing
104K 090	JOLY	Au, Ag, Zn, Pb, Sb, Cu	developed prospect
104K 096	SPRING	Ag, Zn, Cu, Au, Pb	showing
104K 127	GREEN HAM	Cu, Zn	showing
New in 1994	OKSARAH	Cu, Ag	showing
New in 1994	BLACK FLY	Cu, Pb, Zn, Ag	showing
New in 1994	LISADELE	Cu, Pb, Zn, Ag	showing

BC Ministry of Energy, Mines and Petroleum Resources

1895 - 1995 100 YEARS OF GEOLOGICAL SURVEYING

Geological Survey Branch

OPEN FILE 1995-5

(Sheet 1 of 2)

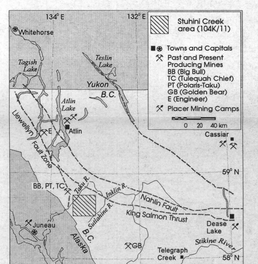
STUHINI CREEK MAP AREA GEOLOGY

NTS 104K/11

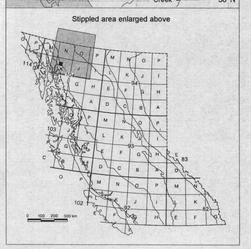
By M.G. Mihalynuk, D.G. Meldrum, W.A. Sears, G.G. Johannson, B.E. Madu, S.A.Vance, H.W. Tipper and J.W.H. Monger

SCALE 1:50 000

0 1 2 3 4 5 kilometres



Stippled area enlarged above



Other Sources of Information

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M.G. Mihalynuk, D.G. Meldrum, W.A. Sears, G.G. Johannson, B.E. Madu, S.A.Vance, H.W. Tipper and J.W.H. Monger, (1995): Stuhini Creek Map Area Geology and Lithogeochemistry (104K/11); *B.C. Ministry of Energy, Mines and Petroleum Resources*, Open File 1995-5.

INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS RESULTS*

Lab #	Station #	UTM E	UTM N	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
	Units:			ppb	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	ppm	ppm	ppm	ppm	ppm	g
49705	**BMA 2.040**	588830	6491040	b.d.	b.d.	21	840	b.d.	b.d.	97	14	1	1.54	b.d.	b.d.	b.d.	11	0.86	b.d.	68	20	7.7	b.d.	b.d.	b.d.	2.4	10	6.3	450	b.d.	15	26	b.d.	2.7	0.6	0.8	3	0.24	42.77
49706	**BMA 2.050**	589040	6490980	18	b.d.	37	390	b.d.	5	35	44	8	6.59	2	b.d.	b.d.	b.d.	0.76	b.d.	36	24	30	b.d.	b.d.	b.d.	0.5	0.5	b.d.	110	105	3.8	11	b.d.	2	0.9	b.d.	2.2	0.24	50.9
49707	**BMA 2.110**	590600	6490700	7	b.d.	21	2800	b.d.	4	38	29	2	3.75	b.d.	b.d.	b.d.	b.d.	2.28	b.d.	29	12	10	b.d.	b.d.	b.d.	b.d.	2.3	2.1	140	b.d.	14	25	11	2.7	0.9	0.5	1.9	0.21	46.35
49708	**BMA 16.040**	604550	6488050	3	b.d.	4.2	470	b.d.	3	22	5	2	4.62	2	b.d.	b.d.	2	1.46	b.d.	57	9.5	15	b.d.	b.d.	b.d.	b.d.	5.4	2.4	190	1100	17	30	15	2.8	0.8	0.6	2	0.26	50.94
49709	**BMA 21.030**	597350	6509000	15600	490	39000	b.d.	b.d.	b.d.	69	b.d.	b.d.	16.6	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	60000	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	64.37
49710	**BMA 21.070**	599960	6507020	b.d.	b.d.	12	600	b.d.	10	11	33	b.d.	2.33	2	b.d.	b.d.	7	1.94	b.d.	30	11	10	b.d.	b.d.	b.d.	b.d.	1.7	b.d.	46	53	18	29	12	2.9	0.9	b.d.	2	0.3	44.5
49711	**BMA 23.010**	610570	6486720	3	b.d.	4.9	1200	b.d.	b.d.	31	b.d.	5	2.91	3	b.d.	b.d.	2	0.21	b.d.	79	9	7.4	b.d.	b.d.	b.d.	b.d.	3.7	1.7	140	101	18	33	12	2.8	0.8	b.d.	1.2	0.06	36
49712	**BMA 23.010**	610570	6486720	b.d.	b.d.	6.1	1200	b.d.	b.d.	31	b.d.	6	2.99	3	b.d.	b.d.	b.d.	0.21	b.d.	75	11	7.4	b.d.	b.d.	b.d.	b.d.	3.7	1.8	140	110	19	33	20	2.7	0.9	b.d.	1.4	0.11	36.46
49713	**BMA 23.040**	609900	6486790	47	b.d.	30	1100	b.d.	b.d.	92	b.d.	4	2.66	3	b.d.	b.d.	3	1.27	b.d.	110	11	8.6	b.d.	b.d.	b.d.	0.9	7.7	2.6	240	b.d.	19	34	13	2.6	0.8	b.d.	1.5	0.17	41.5
49714	**BMA 23.070**	609170	6485950	b.d.	b.d.	5.8	1400	b.d.	b.d.	81	b.d.	b.d.	1.75	5	b.d.	b.d.	b.d.	2.44	b.d.	130	7.5	3.8	b.d.	b.d.	b.d.	b.d.	17	3.8	240	b.d.	35	55	16	2.8	0.7	b.d.	1.6	0.24	37.67
49715	**BMA 25.030**	600840	6488840	8	b.d.	4.5	860	b.d.	4	25	8	4	6.22	5	b.d.	b.d.	b.d.	1.71	b.d.	82	2.3	17	b.d.	b.d.	b.d.	b.d.	9.8	4.2	210	130	37	62	30	6.2	1.6	0.9	3.4	0.4	40.72
49716	**BMA 25.040**	600880	6488950	b.d.	b.d.	2.7	b.d.	b.d.	4	210	20	2	21.9	2	b.d.	b.d.	4	0.54	b.d.	41	1.2	11	b.d.	b.d.	b.d.	b.d.	6.2	4.6	100	227	15	23	b.d.	1.9	0.7	b.d.	1.5	0.21	44.65
49717	**BMA 25.050**	599770	6489740	b.d.	b.d.	4.1	480	b.d.	b.d.	35	b.d.	b.d.	0.55	5	b.d.	b.d.	b.d.	2.56	b.d.	97	27	1.7	b.d.	b.d.	b.d.	2.9	24	10	350	b.d.	23	42	13	3.4	0.3	b.d.	2	0.19	39.68
49718	**DMF 5.110**	601410	6503480	4	b.d.	81	360	b.d.	b.d.	75	140	5	14.5	b.d.	b.d.	b.d.	b.d.	0.23	190	86	7.3	32	b.d.	b.d.	b.d.	b.d.	3.7	2.6	14	198	21	33	11	3	1.1	b.d.	2.2	0.36	50.7
49719	**DMF 6.030**	595675	6486230	66	460	95	b.d.	b.d.	12	77	400	b.d.	8.56	b.d.	b.d.	b.d.	6	0.07	220	36	2.4	22	25	b.d.	b.d.	b.d.	b.d.	b.d.	44	202	3.8	6	b.d.	1.1	0.5	b.d.	0.8	0.07	48.99
49720	**DMF 13.020**	598680	6500790	46	b.d.	21	220	b.d.	b.d.	100	6	2	0.85	b.d.	b.d.	b.d.	17	0.01	b.d.	53	13	2.8	b.d.	b.d.	b.d.	0.5	2	1.5	800	53	3.3	5	b.d.	0.4	b.d.	b.d.	0.6	b.d.	35.2
49722	**DMF 13.050**	599050	6501400	b.d.	b.d.	28	1500	b.d.	b.d.	25	b.d.	2	1.25	8	b.d.	b.d.	b.d.	1.93	b.d.	170	4.5	6.3	b.d.	b.d.	b.d.	1.6	25	11	280	b.d.	37	56	21	3.7	0.9	b.d.	3	0.47	43.75
49724	**DMF 20.010**	605800	6503000	510	b.d.	180	200	b.d.	b.d.	41	b.d.	2	0.69	b.d.	b.d.	b.d.	55	b.d.	b.d.	20	23	1.2	b.d.	b.d.	b.d.	0.7	0.7	0.7	400	b.d.	5	8	7	0.6	b.d.	b.d.	0.4	b.d.	39.33
49725	**DMF 20.020**	605970	6502930	b.d.	b.d.	11	720	b.d.	4	29	6	2	12.6	2	b.d.	b.d.	b.d.	1.16	b.d.	25	3.6	14	b.d.	b.d.	b.d.	b.d.	3.6	2.4	22	150	18	29	14	2.5	0.9	b.d.	2	0.16	38.53
49726	**DMF 20.030**	605920	6503050	b.d.	b.d.	53	1900	b.d.	b.d.	14	b.d.	2	1.37	6	b.d.	b.d.	b.d.	2.75	b.d.	70	6.1	4.7	b.d.	b.d.	b.d.	1	10	3.9	150	64	32	51	19	3.6	0.9	0.5	2.1	0.3	37.81
49727	**DMF 20.050**	605575	6503840	10	b.d.	45	1100	b.d.	3	29	83	2	5.02	3	b.d.	b.d.	b.d.	2.31	b.d.	52	2.5	20	b.d.	b.d.	b.d.	b.d.	4.7	2.6	210	120	21	37	20	3.4	1.1	0.5	2.1	0.2	40.94
49728	**DMF 28.010**	590030	6494590	59	b.d.	23	1200	b.d.	4	43	b.d.	3	8.4	2	b.d.	b.d.	7	2.97	b.d.	55	16	36	b.d.	b.d.	b.d.	b.d.	0.8	b.d.	190	139	12	23	11	3	1.1	0.7	2.1	0.21	41.57
49729	**DMF 35.030**	612620	6487900	50	b.d.	140	1100	b.d.	b.d.	63	20	4	4.63	6	b.d.	b.d.	85	3.89	70	91	290	9.2	b.d.	b.d.	b.d.	b.d.	6.4	4.3	490	b.d.	28	49	b.d.	2.9	0.9	b.d.	1.6	0.26	36.89
49730	**DMF 38.020**	596520	6495350	b.d.	b.d.	65	1400	b.d.	2	45	b.d.	3	3.75	4	b.d.	b.d.	b.d.	1.31	b.d.	43	6.6	9.8	b.d.	b.d.	b.d.	0.9	10	3.9	310	71	25	43	16	3.8	1.2	b.d.	2.2	0.2	38.98
49731	**DMF 38.020**	596520	6495350	b.d.	b.d.	26	1400	b.d.	1	45	b.d.	3	3.84	4	b.d.	b.d.	b.d.	1.32	b.d.	70	6.2	10	b.d.	b.d.	b.d.	1.4	10	5.3	310	b.d.	26	41	16	3.7	1.1	0.8	2.5	0.29	45.16
49723	**DMF 48.030**	588250	6510280	b.d.	b.d.	9.5	370	b.d.	1	23	61	b.d.	5.8	b.d.	b.d.	b.d.	b.d.	1.01	b.d.	40	3	27	17	b.d.	b.d.	b.d.	1.1	b.d.	42	113	4	7	6	1.2	0.4	b.d.	0.8	0.11	53.89
49732	**GJO 41.100**	610675	6505860	b.d.	b.d.	52	1300	b.d.	3	26	12	1	3.61	3	b.d.	b.d.	b.d.	2.79	b.d.	43	2.7	12	b.d.	b.d.	b.d.	b.d.	8.4	3.9	140	b.d.	36	57	23	3.9	1.5	b.d.	1.6	0.28	35.61
49733	**MMI 5.040**	589780	6508180	b.d.	b.d.	49	1500	b.d.	5	23	8	1	3.09	5	b.d.	b.d.	5	1.66	b.d.	68	6.9	11	b.d.	b.d.	b.d.	1.2	11	4.3	260	97	32	51	17	4	1.1	b.d.	2.7	0.36	38.17
49734	**MMI 5.060**	595030	6510970	b.d.	b.d.	3.8	b.d.	b.d.	b.d.	110	b.d.	b.d.	0.08	b.d.	b.d.	b.d.	4	b.d.	b.d.	b.d.	4	b.d.	b.d.	b.d.	b.d.	0.7	b.d.	b.d.	990	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	0.3	b.d.	38.25
49735	**MMI 5.090**	589380	6505740	b.d.	b.d.	9.6	2400	b.d.	b.d.	14	b.d.	3	2.16	8	b.d.	b.d.	b.d.	2.43	b.d.	170	1.1	7.1	b.d.	b.d.	b.d.	b.d.	24	6.3	180	b.d.	59	95	31	5.9	1.1	0.8	3.5	0.32	38.67
49736	**MMI 6.360**	592230	6494680	b.d.	b.d.	68	470	b.d.	2	41	23	5	15.3	3	b.d.	b.d.	b.d.	0.61	b.d.	39	22	36	b.d.	b.d.	b.d.	0.9	4.2	1.9	33	255	25	43	16	3.8	1.5	b.d.	3.5	0.18	41.03
49737	**MMI 7.052**	593470	6505350	b.d.	b.d.	27	1500	b.d.	b.d.	16	b.d.	8	3.55	5	b.d.	b.d.	b.d.	1.81	b.d.	95	3.8	7.6	b.d.	b.d.	b.d.	1.4	11	4.4	69	b.d.	32	52	15	3.6	1	b.d.	2.4	0.29	41.64
49738	**MMI 9.060**	599850	6512350	77	b.d.	26	940	b.d.	1	120	7	2	13.8	3	b.d.	b.d.	b.d.	1.71	b.d.	90	2.5	3.8	b.d.	b.d.	b.d.	1.4	3.1	3.8	140	77	17	27	12	1.7	0.8	b.d.	0.9	0.08	42.23
49739	**MMI 9.080**	600750	6512150	2700	b.d.	9600	220	b.d.	b.d.	31	b.d.	1	1.09	b.d.	b.d.	b.d.	b.d.	0.02	b.d.	b.d.	170	0.9	b.d.	b.d.	b.d.	1.2	b.d.	b.d.	350	b.d.	9.8	18	11	1.4	1	b.d.	1.1	0.15	42.27
49740	**MMI 10.070**	604970	6510660	5	b.d.	270	450	b.d.	10	29	30	3	8.15	1	b.d.	b.d.	2	0.31	b.d.	42	13	7	28	b.d.	b.d.	b.d.	1	0.9	110	b.d.	7.2	14	7	1.5	0.6	b.d.	1.2	0.21	39.98
49742	**MMI 11.050**	601300	6512200	3340	86	140000	b.d.	b.d.	b.d.	120	b.d.	b.d.	17.6	5	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	390	0.6	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	120	2780	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	58.83
49743	**MMI 11.070**	601550	6511000	54	b.d.	110	530	b.d.	b.d.	89	b.d.	3	0.88	b.d.	b.d.	b.d.	40	0.15	b.d.	45	31	1.9	b.d.	b.d.	b.d.	b.d.	1.2	b.d.	900	b.d.	5.1	9	7	0.8	0.4	b.d.	0.5	b.d.	31
49744	**MMI 15.010**	609600	6507750	124	b.d.	3500	660	b.d.	2	73	b.d.	3	7.57	3	b.d.	b.d.	b.d.	2.37	b.d.	63	23	17	b.d.	b.d.	b.d.	b.d.	1.4	5.2	150	295	10	23	17	3.9	1.1	b.d.	1.8	0.19	41.6
49745	**MMI 15.020**	609770	6508140	7	b.d.	39	780	b.d.	8	25	270	2	5.6	2	b.d.	b.d.	b.d.	1.7	100	53	23	20	b.d.	b.d.	b.d.	b.d.	2.3	b.d.	48	159	10	21	7	2.6	0.9	b.d.	1.4	0.18	40.33
49746	**MMI 16.070**	607400	6488650	16	48	27	1500	b.d.	5	88	13	5	15.7	2	b.d.	b.d.	4	0.07	b.d.	89	19	12	3	b.d.	b.d.	0.6	4.7	2.2	210	3480	16	26	11	2.6	1.9	b.d.	1.4	0.14	43.39
49747	**MMI 17.060**	593475	6492510	b.d.	b.d.	12	600	b.d.	8	42	770	4	5.28	1	b.d.	b.d.	b.d.	0.09	97	43	2.8	19	b.d.	b.d.	b.d.	b.d.	2.5	1.3	23	107	8.4	15	6	1.8	0.6	b.d.	1.2	0.17	38.65
49748	**MMI 18.050**	590900	6499650	b.d.	b.d.	18	510	b.d.	4	41	13	5	10	b.d.	b.d.	b.d.	b.d.	0.15	b.d.	80	6.2	62	b.d.	b.d.	b.d.	b.d.	1.2	b.d.	16	109	5.4	15	7	2.1	0.8	b.d.	1.1	0.1	45.05
49749	**MMI 19.031**	614300	6503300	683	12000	3600	b.d.	b.d.	b.d.	110	b.d.	b.d.	7.37	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	15000	1.5	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	150	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	44.15
49750	**MMI 19.032**	614300	6503300	579	8000	4000	3200	b.d.	b.d.	130	b.d.	b.d.	6.35	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	11000	2.2	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	516	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	41.58
49751	**MMI 21.040**	596200	6509870	37	b.d.	6.3	b.d.	b.d.	3	170	28	b.d.	28.2	3	b.d.	b.d.	b.d.	0.07	180	b.d.	7.3	18	b.d.	b.d.	b.d.	b.d.	3.6	2.2	13	211	25	40	b.d.	4.3	2.9	0.9	3.1	0.57	43.88
49752	**MMI 21.040**	596200	6509870	28	b.d.	6.3	b.d.	b.d.	3	160	27	2	26.8	2	b.d.	b.d.	b.d.	0.07	b.d.	b.d.	4.8	17	b.d.	b.d.	b.d.	b.d.	4.1	2.2	13	250	24	39	13	4.1	2.7	0.9	2.8	0.55	47.68
49753	**MMI 22.030**	598625	6504930	6	b.d.	59	240	b.d.	b.d.	50	16	2	1.71	b.d.	b.d.	b.d.	47	0.3	b.d.	57	25	5.1	b.d.	b.d.	b.d.	1	1.1	b.d.	240	b.d.	3.1	8	b.d.	0.7	0.2	b.d.	0.6	0.11	41.45
49754	**MMI 22.050**	599000	6504500	3	240	21	b.d.	b.d.	7	82	25	2	8.94	4	12	b.d.	130	b.d.	b.d.	35	14	2.8	220	b.d.	b.d.	1	6.8	4.7	120	28500	9.1	14	7	1.2	1.1	1.3	2.5	0.48	43.07
49755	**MMI 22.060**	599050	6504450	5	240	73	110	b.d.	2	100	45	b.d.	9.88	b.d.	b.d.	b.d.	31	0.02	b.d.	b.d.	12	4.7	5	b.d.	b.d.	1	1.1	1	310	1450	11	20	13	2.1	1.3	0.5	1.4	0.23	44.95
49756	**MMI 22.072**	599000	6504200	b.d.	b.d.	18	b.d.	b.d.	2	54	13	4	1.3	b.d.	b.d.	b.d.	6	0.02	b.d.	60	49	3.9	b.d.	b.d.	b.d.	2.2	2	b.d.	1100	b.d.	10	18	12	2	0.6	1	1.3	0.14	34.74
49757	**MMI 22.080**	drill	core	9650	280	43000	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	23.1	b.d.	b.d.	b.d.	2400	b.d.	b.d.	b.d.	190000	15	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	6210	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	2.144
49758	**MMI 23.021**	615350	6492400	39	300	55	b.d.	b.d.	b.d.	150	32	b.d.	28.4	b.d.	1	b.d.	b.d.	0.02	b.d.	b.d.	7.9	29	75	b.d.	b.d.	b.d.	b.d.	b.d.	160	389	3	8	b.d.	1	0.6	b.d.	0.5	0.13	57.05
49759	**MMI 23.022**	615350	6492500	b.d.	17	68	b.d.	b.d.	8	290	76	b.d.	22	3	b.d.	b.d.	b.d.	0.35	b.d.	b.d.	5.7	32	b.d.	b.d.	b.d.	b.d.	1.3	b.d.	88	441	14	26	10	2.1	1	b.d.	1.3	0.23	43.41
49760	**MMI 23.023**	615250	6492350	12	b.d.	26	140	b.d.	b.d.	110	b.d.	1	1.77	b.d.	b.d.	b.d.	6	b.d.	b.d.	b.d.	7.5	2.4	b.d.	b.d.	b.d.	0.8	0.9	b.d.	850	b.d.	1.6	b.d.	8	0.4	b.d.	b.d.	0.5	0.06	42.31
49762	**MMI 23.024**	615520	6492520	9	17	9.8	500	b.d.	7	56	120	b.d.	10	3	b.d.	b.d.	b.d.	0.02	b.d.	b.d.	7.3	68	b.d.	b.d.	b.d.	b.d.	0.9	b.d.	120	359	8.3	18	b.d.	3.4	1	b.d.	3.1	0.51	36.41
49763	**MMI 24.040**	595970	6499250	2	b.d.	52	1100	b.d.	2	48	16	7	4.6	5	b.d.	b.d.	b.d.	1.53	b.d.	73	4.7	19	b.d.	b.d.	b.d.	b.d.	13	6.3	100	115	23	45	15	4.1	1.2	b.d.	3.3	0.53	43.71
49764	**MMI 26.010**	602520	6485900	b.d.	b.d.	6	650	b.d.	4	58	9	2	10.8	3	b.d.	b.d.	10	2.34	b.d.	57	1.5	18	b.d.	b.d.	b.d.	b.d.	5.6	4.3	89	78	20	41	12	3.2	1.4	b.d.	2.5	0.47	46.65
49765	**MMI 26.020**	604550	6486600	4	24	4.8	1300	b.d.	1	58	b.d.	6	6.05	6	b.d.	b.d.	19	0.06	b.d.	270	2.1	10	b.d.	b.d.	b.d.	0.9	17	9.6	120	27300	32	52	14	3.7	0.7	b.d.	3.9	0.61	38.05
49766	**MMI 27.040**	594270	6491040	b.d.	b.d.	61	1400	b.d.	5	22	11	1	2.19	5	b.d.	b.d.	2	2.41	b.d.	37	2.4	18	b.d.	b.d.	1600	2	5.1	2.9	110	b.d.	27	54	20	4.6	1.4	0.8	2.7	0.47	29.21
49767	**MMI 29.040**	593680	6488970	15	b.d.	89	470	b.d.	b.d.	46	200	2	7.09	b.d.	b.d.	b.d.	2	0.05	100	48	8	34	b.d.	b.d.	b.d.	b.d.	0.5	1.5	110	81	2.6	7	6	1.2	0.5	b.d.	1.4	0.18	33.87
49768	**MMI 30.030**	599500	6501150	210	110	140	660	b.d.	b.d.	90	6	1	1.53	b.d.	b.d.	b.d.	19	0.01	b.d.	22	18	1.4	b.d.	b.d.	b.d.	1.5	0.8	b.d.	580	b.d.	7.6	14	11	1.6	0.6	b.d.	0.5	b.d.	36.78
49769	**MMI 33.070**	601070	6505440	12	b.d.	91	120	b.d.	1	35	11	1	1.91	b.d.	b.d.	b.d.	9	0.01	b.d.	22	50	4	b.d.	b.d.	b.d.	1	1.3	b.d.	370	b.d.	3.6	8	7	0.6	0.3	b.d.	0.4	0.06	33.89
49770	**MMI 34.090**	596080	6505160	b.d.	b.d.	71	940	b.d.	3	46	120	b.d.	5.8	3	b.d.	b.d.	5	2.53	b.d.	75	19	26	b.d.	b.d.	b.d.	1.9	4.4	b.d.	210	b.d.	16	30	16	2.6	1	b.d.	2.2	0.37	29.83
49771	**MMI 34.090**	596080	6505160	20	b.d.	85	1200	b.d.	b.d.	55	130	b.d.	6.04	5	b.d.	b.d.	10	3	b.d.	100	23	30	b.d.	b.d.	b.d.	2.6	4.9	2.7	240	92	19	36	16	3.3	1	b.d.	2.5	0.45	28.78
49772	**MMI 37.090**	587150	6510500	b.d.	b.d.	8500	b.d.	b.d.	11	64	b.d.	b.d.	16.3	b.d.	b.d.	b.d.	b.d.	0.02	b.d.	b.d.	110	3.9	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	120	b.d.	4	b.d.	b.d.	1.4	1.5	b.d.	b.d.	b.d.	41.97
49773	**MMI 38.020**	599350	6495900	b.d.	b.d.	13	1300	b.d.	5	25	19	4	5.37	7	b.d.	b.d.	b.d.	2.33	b.d.	66	6.1	21	b.d.	b.d.	b.d.	b.d.	16	7.3	190	254	34	71	21	6	1.8	b.d.	4.5	0.65	34.87
49774	[T]**MMI 40.100**	582500	6504640	200	11	120	1200	b.d.	6	57	400	5	6.98	2	b.d.	b.d.	b.d.	1.55	160	94	14	23	b.d.	b.d.	b.d.	b.d.	2.2	b.d.	37	4580	8.8	23	13	2.7	0.9	b.d.	1.9	0.35	35.64
49775	**MMI 42.020**	587600	6508650	65	14	430	250	b.d.	18	28	160	b.d.	7.05	2	b.d.	b.d.	1	0.35	b.d.	b.d.	37	15	b.d.	b.d.	540	0.6	2.3	2.2	110	3550	8.9	19	9	2.3	0.9	b.d.	1.6	0.25	34.46
49776	**MMI 43.030**	603000	6511500	13	19	53	b.d.	b.d.	8	32	12	1	4.01	1	b.d.	b.d.	b.d.	0.01	b.d.	b.d.	33	3.6	b.d.	b.d.	b.d.	b.d.	1	2.1	75	8400	12	19	6	2.1	2.8	b.d.	0.5	0.1	42.86
49777	**MMI 45.070**	607250	6509250	13400	150	340000	b.d.	b.d.	b.d.	81	b.d.	b.d.	16.6	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	1700	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	40.89
49778	**SSE 36.030**	612750	6497900	212	b.d.	1800	b.d.	b.d.	b.d.	81	32	b.d.	21.1	4	b.d.	b.d.	9	0.3	b.d.	b.d.	27	17	b.d.	b.d.	b.d.	b.d.	5.2	b.d.	69	190	25	50	b.d.	3.8	1.3	b.d.	3.9	0.68	43.97
49779	**SSE 38.010**	590710	6496250	15	b.d.	53	3900	b.d.	b.d.	40	10	4	0.8	6	b.d.	b.d.	b.d.	2.52	b.d.	110	85	3.4	b.d.	b.d.	b.d.	4.7	23	3.8	430	b.d.	42	70	25	3.5	b.d.	b.d.	2.7	0.48	33.11
49780	**SSE 42.100**	588850	6502600	b.d.	1000	3500	b.d.	b.d.	b.d.	9	37	b.d.	3.36	5	71	b.d.	b.d.	0.06	b.d.	b.d.	2500	0.6	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	24	211000	1	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	b.d.	48.23
49782	**SSE 47.050**	611400	6491050	6	89	8.3	740	b.d.	4	62	20	2	6.19	6	b.d.	b.d.	b.d.	1.55	b.d.	60	3.5	4.6	b.d.	b.d.	b.d.	b.d.	18	14	180	89	39	69	24	2.9	1.2	b.d.	1.2	0.2	39.81
49783	**SVA 3.030**	598580	6510250	5	6	33	2800	b.d.	2	21	b.d.	2	4.16	5	b.d.	b.d.	b.d.	3.07	b.d.	95	4.7	10	b.d.	b.d.	b.d.	b.d.	11	4.3	100	531	35	69	29	4.7	2	b.d.	2.5	0.38	26.34
49784	**SVA 3.090**	597830	6509610	b.d.	b.d.	70	1800	b.d.	2	42	b.d.	1	3.26	b.d.	b.d.	b.d.	b.d.	2.55	b.d.	52	2.2	8.4	b.d.	b.d.	b.d.	b.d.	7.3	3.1	410	b.d.	29	56	24	3.8	1.4	b.d.	2.4	0.39	27.53
49785	**SVA 23.040**	614825	6492370	b.d.	b.d.	5.1	b.d.	b.d.	b.d.	110	5	b.d.	1.1	b.d.	b.d.	b.d.	3	0.04	58	b.d.	10	1.8	b.d.	b.d.	b.d.	1.3	b.d.	0.8	570	b.d.	0.8	b.d.	b.d.	0.3	0.3	b.d.	0.4	b.d.	38.96
				2	**5**	**0.5**	**50**	**0.5**	**1**	**1**	**5**	**1**	**0.01**	**1**	**1**	**5**	**1**	**0.01**	**20**	**5**	**0.1**	**0.1**	**5**	**100**	**500**	**0.5**	**0.2**	**0.5**	**1**	**50**	**0.5**	**3**	**5**	**0.1**	**0.2**	**0.5**	**0.2**	**0.05**	

*** b.d. = below detection limits.**

[T] = from 104K/12 mapsheet

INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY ANALYSIS RESULTS**

Lab #	Station #	UTM E	UTM N	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
	Units:			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
49705	**BMA 2.040**	588830	6491040	17	84	20	13	1.5	19	123	171	1.74	21	b.d.	11	4	b.d.	7	3	20	0.14	0.037	9	9	0.17	28	0.03	2	0.29	0.03	0.02	774
49706	**BMA 2.050**	589040	6490980	2	466	b.d.	38	1.1	20	35	516	5.00	24	b.d.	b.d.	49	b.d.	8	b.d.	124	2.36	0.060	b.d.	27	1.20	76	0.32	2	4.26	0.33	1.03	144
49707	**BMA 2.110**	590600	6490700	6	165	9	22	0.4	21	48	105	2.20	27	b.d.	2	20	b.d.	10	3	37	0.64	0.126	10	8	0.21	67	0.16	b.d.	0.55	0.09	0.17	268
49708	**BMA 16.040**	604550	6488050	8	1392	1575	1302	14.5	6	31	1212	4.54	6	b.d.	2	68	33.2	7	11	88	1.30	0.068	10	9	2.58	10	0.24	b.d.	2.46	0.03	0.03	296
49709	**BMA 21.030**	597350	6509000	b.d.	1006	12028	287	160.4	2	121	6	16.42	16934	b.d.	b.d.	38	65.2	10796	b.d.	b.d.	0.02	0.001	2	b.d.	0.01	2	b.d.	b.d.	0.09	b.d.	0.02	4
49710	**BMA 21.070**	599960	6507020	8	31	56	31	4.5	18	11	660	2.50	26	b.d.	b.d.	410	0.2	45	b.d.	23	9.84	0.076	10	10	1.06	51	b.d.	4	0.69	0.02	0.10	53
49711	**BMA 23.010**	610570	6486720	5	10	26	91	b.d.	5	42	1032	3.52	5	b.d.	2	20	b.d.	9	b.d.	23	0.16	0.082	8	2	2.23	29	0.01	2	2.26	0.03	0.23	221
49712	**BMA 23.010**	610570	6486720	5	10	18	92	b.d.	6	42	1052	3.53	4	b.d.	2	20	b.d.	4	2	24	0.16	0.083	9	2	2.27	28	0.01	2	2.31	0.03	0.24	224
49713	**BMA 23.040**	609900	6486790	3	137	17	15	0.6	5	113	174	3.07	28	b.d.	4	7	b.d.	6	2	2	0.07	0.034	6	1	0.18	15	b.d.	3	0.34	0.01	0.09	414
49714	**BMA 23.070**	609170	6485950	1	75	8	41	0.4	1	96	342	1.92	5	b.d.	16	3	b.d.	4	4	19	0.18	0.037	16	1	0.34	95	0.11	2	0.59	0.02	0.13	378
49715	**BMA 25.030**	600840	6488840	4	45	b.d.	152	0.4	6	30	1092	5.91	b.d.	b.d.	3	71	b.d.	b.d.	b.d.	103	1.12	0.165	9	2	1.74	129	0.44	b.d.	2.84	0.13	2.19	262
49716	**BMA 25.040**	600880	6488950	3	1301	8	185	2.0	22	221	1972	17.47	4	b.d.	3	62	0.4	b.d.	b.d.	111	2.19	0.034	4	9	3.28	6	0.06	b.d.	3.59	0.01	0.03	46
49717	**BMA 25.050**	599770	6489740	6	35	46	20	0.2	1	42	76	0.54	5	7	23	3	b.d.	29	b.d.	b.d.	0.04	0.002	10	1	0.02	19	0.02	b.d.	0.36	0.03	0.04	563
49718	**DMF 5.110**	601410	6503480	1	149	13	148	0.3	328	80	1619	14.12	67	b.d.	2	25	b.d.	4	b.d.	130	0.20	0.066	6	69	2.29	19	0.01	b.d.	3.75	b.d.	0.12	14
49719	**DMF 6.030**	595675	6486230	9	19334	22	80	370.3	72	48	229	3.37	85	b.d.	b.d.	22	1.8	3	76	17	0.64	0.081	b.d.	52	0.37	2	0.1	b.d.	0.38	0.01	0.01	58
49720	**DMF 13.020**	598680	6500790	19	56	78	46	5.4	1	116	89	0.81	21	b.d.	b.d.	3	0.2	3	5	2	0.01	0.006	3	1	0.01	116	b.d.	2	0.11	b.d.	0.09	230
49722	**DMF 13.050**	599050	6501400	8	4	17	17	b.d.	1	32	320	1.36	28	b.d.	11	6	b.d.	4	b.d.	8	0.23	0.025	9	3	0.14	46	0.15	2	0.47	0.03	0.10	509
49724	**DMF 20.010**	605800	6503000	88	4	24	6	1.5	2	49	37	0.73	189	b.d.	b.d.	3	b.d.	5	b.d.	3	0.01	0.004	4	3	b.d.	65	b.d.	b.d.	0.09	b.d.	0.05	337
49725	**DMF 20.020**	605970	6502930	1	30	9	142	b.d.	10	29	2531	13.19	11	b.d.	b.d.	308	b.d.	b.d.	b.d.	71	4.78	0.071	16	2	1.26	382	0.01	b.d.	2.88	0.01	0.11	24
49726	**DMF 20.030**	605920	6503050	4	20	24	54	2.2	1	18	502	1.65	57	b.d.	2	34	b.d.	7	b.d.	3	0.82	0.024	30	1	0.03	85	b.d.	b.d.	0.18	0.04	0.07	275
49727	**DMF 20.050**	605575	6503840	3	110	10	97	0.3	65	30	606	5.23	31	b.d.	2	139	0.3	2	b.d.	146	1.98	0.100	8	65	2.55	50	0.24	2	3.43	0.27	0.06	233
49728	**DMF 28.010**	590030	6494590	b.d.	174	7	65	0.2	4	33	319	4.16	4	b.d.	b.d.	8	b.d.	6	b.d.	184	0.37	0.069	4	b.d.	1.04	107	0.33	b.d.	1.33	0.06	1.13	220
49729	**DMF 35.030**	612620	6487900	110	102	354	34	1.1	7	63	287	4.58	117	b.d.	4	17	b.d.	231	b.d.	39	0.17	0.047	6	8	0.49	37	0.08	b.d.	0.63	0.03	0.15	574
49730	**DMF 38.020**	596520	6495350	6	8	11	39	0.1	3	45	422	3.62	52	b.d.	2	80	b.d.	5	b.d.	25	0.96	0.038	2	4	0.70	46	0.05	b.d.	1.88	0.24	0.24	414
49731	**DMF 38.020**	596520	6495350	3	13	12	41	0.2	2	49	406	3.89	21	b.d.	2	85	b.d.	6	b.d.	26	1.02	0.043	2	1	0.72	49	0.05	b.d.	1.97	0.25	0.25	459
49723	**DMF 48.030**	588250	6510280	b.d.	69	6	78	0.1	24	29	341	7.06	10	b.d.	b.d.	13	b.d.	7	b.d.	85	0.10	0.049	b.d.	35	2.05	38	0.05	b.d.	1.53	0.04	0.33	70
49732	**GJO 41.100**	610675	6505860	1	16	13	46	b.d.	4	26	749	3.46	46	b.d.	4	371	0.2	2	b.d.	90	1.55	0.069	9	6	1.57	106	0.15	2	3.08	0.13	0.05	159
49733	**MMI 5.040**	589780	6508180	5	5	9	51	0.1	3	23	392	2.35	33	b.d.	4	116	b.d.	3	b.d.	34	1.80	0.069	6	4	1.31	44	0.21	2	3.27	0.41	0.13	294
49734	**MMI 5.060**	595030	6510970	2	237	47	8	0.8	2	146	32	0.10	3	6	b.d.	b.d.	0.2	2	2	2	0.01	0.001	b.d.	2	0.01	2	b.d.	b.d.	0.02	b.d.	0.01	101
49735	**MMI 5.090**	589380	6505740	2	3	19	45	0.1	2	14	166	1.61	6	b.d.	11	20	b.d.	2	b.d.	8	0.25	0.014	23	2	0.20	103	0.03	2	1.09	0.08	0.62	243
49736	**MMI 6.360**	592230	6494680	1	126	19	171	0.3	27	40	2874	14.13	55	b.d.	2	72	0.5	7	b.d.	98	0.92	0.046	5	13	1.17	21	0.07	b.d.	3.77	0.12	0.24	31
49737	**MMI 7.052**	593470	6505350	5	5	16	24	0.1	2	17	342	3.42	20	b.d.	3	16	b.d.	3	b.d.	7	0.23	0.062	4	1	0.15	27	0.1	2	0.65	0.03	0.14	104
49738	**MMI 9.060**	599850	6512350	1	1041	3	34	1.1	8	126	222	12.64	23	b.d.	3	10	b.d.	5	b.d.	37	0.21	0.045	5	3	0.60	18	0.1	b.d.	0.93	0.03	0.15	185
49739	**MMI 9.080**	600750	6512150	b.d.	7	11	3	0.4	1	36	708	1.04	9751	b.d.	b.d.	5	b.d.	110	3	b.d.	0.05	0.002	4	1	b.d.	38	b.d.	2	0.04	b.d.	0.02	486
49740	**MMI 10.070**	604970	6510660	1	19	27	19	0.1	39	29	687	8.72	243	b.d.	b.d.	270	b.d.	8	b.d.	25	7.92	0.098	3	5	0.57	37	b.d.	5	0.44	0.01	0.17	140
49742	**MMI 11.050**	601300	6512200	5	5959	1408	2794	101.1	b.d.	165	160	20.41	>10%	8	2	4	26.3	394	657	b.d.	0.01	0.002	b.d.	6	0.11	4	b.d.	5	0.15	b.d.	0.01	189
49743	**MMI 11.070**	601550	6511000	64	19	82	23	0.7	b.d.	100	244	0.78	143	b.d.	b.d.	18	b.d.	6	3	26	0.12	0.018	4	2	0.07	162	b.d.	2	0.41	0.01	0.19	1068
49744	**MMI 15.010**	609600	6507750	11	323	166	263	2.1	23	78	498	6.94	3515	b.d.	b.d.	20	3	11	9	96	0.93	0.076	4	4	1.75	25	0.09	3	1.63	0.03	0.11	194
49745	**MMI 15.020**	609770	6508140	1	58	96	110	0.5	132	22	671	3.83	34	b.d.	b.d.	82	0.4	4	b.d.	100	4.87	0.120	2	127	3.05	45	0.24	4	1.94	0.02	0.39	56
49746	**MMI 16.070**	607400	6488650	11	3236	785	3164	43.0	3	84	3187	10.24	12	b.d.	b.d.	111	60.9	6	52	87	0.66	0.040	3	10	1.12	22	0.11	b.d.	2.06	0.01	0.13	201
49747	**MMI 17.060**	593475	6492510	b.d.	31	6	60	b.d.	232	44	1258	4.99	7	b.d.	b.d.	214	b.d.	b.d.	2	68	8.27	0.111	5	109	5.77	76	b.d.	b.d.	1.11	0.01	0.13	23
49748	**MMI 18.050**	590900	6499650	b.d.	99	3	70	b.d.	84	42	698	7.67	2	b.d.	b.d.	166	b.d.	b.d.	b.d.	226	4.59	0.063	3	7	5.61	41	0.01	2	4.18	0.01	0.10	10
49749	**MMI 19.031**	614300	6503300	10	22566	5936	2313	164.0	5	158	529	8.44	2084	b.d.	b.d.	9	40.5	12929	197	5	0.02	0.011	4	4	0.10	8	b.d.	4	0.86	b.d.	0.01	b.d.
49750	**MMI 19.032**	614300	6503300	5	21844	18006	8022	161.8	10	186	2708	7.94	4199	b.d.	b.d.	19	97.8	9767	220	10	0.03	0.016	9	9	0.15	16	b.d.	9	0.99	b.d.	0.06	21
49751	**MMI 21.040**	596200	6509870	3	176	48	122	2.8	64	192	1252	30.43	3	b.d.	2	76	b.d.	2	b.d.	87	2.25	0.914	17	17	2.54	15	0.02	b.d.	3.42	0.01	0.01	11
49752	**MMI 21.040**	596200	6509870	5	174	45	118	1.1	66	204	1268	30.50	2	b.d.	2	77	b.d.	4	b.d.	87	2.28	0.930	17	17	2.55	15	0.02	b.d.	3.42	0.01	0.01	13
49753	**MMI 22.030**	598625	6504930	76	24	36	15	0.5	3	60	76	1.82	72	b.d.	b.d.	3	b.d.	5	4	11	0.04	0.034	2	4	0.12	36	b.d.	3	0.25	0.01	0.08	373
49754	**MMI 22.050**	599000	6504500	223	2189	17122	27347	151.6	25	75	2226	5.20	27	b.d.	b.d.	51	222.8	8	372	27	0.41	0.006	b.d.	26	0.63	7	0.14	3	1.43	b.d.	0.06	43
49755	**MMI 22.060**	599050	6504450	56	18535	7112	1518	209.2	31	121	752	9.96	86	b.d.	b.d.	29	5.7	12	11	32	0.24	0.025	2	12	0.31	18	0.01	2	1.01	b.d.	0.05	427
49756	**MMI 22.072**	599000	6504200	15	12	70	26	0.6	6	59	546	1.31	24	b.d.	b.d.	88	b.d.	34	b.d.	23	2.05	0.050	11	9	0.15	63	b.d.	2	0.8	b.d.	0.21	1530
49757	**MMI 22.080**	drill	core	b.d.	249	14650	40107	148.5	1	2	1999	5.83	159	b.d.	b.d.	170	346.4	14499	b.d.	5	3.30	0.001	b.d.	18	1.58	4	b.d.	b.d.	0.09	b.d.	b.d.	8
49758	**MMI 23.021**	615350	6492400	6	64394	161	372	278.7	17	194	615	25.34	47	b.d.	b.d.	8	3.2	21	30	103	0.53	0.026	b.d.	25	1.08	11	0.05	3	0.94	b.d.	b.d.	114
49759	**MMI 23.022**	615350	6492500	1	6177	46	257	10.4	46	248	1014	15.75	55	b.d.	b.d.	42	0.5	3	b.d.	197	1.75	0.058	b.d.	36	2.83	22	0.12	b.d.	2.54	0.05	0.04	58
49760	**MMI 23.023**	615250	6492350	7	8	12	34	0.5	b.d.	120	170	1.83	28	b.d.	b.d.	4	b.d.	4	2	19	0.18	0.006	b.d.	1	0.51	40	b.d.	3	0.4	b.d.	0.03	453
49762	**MMI 23.024**	615520	6492520	3	3062	6	269	13.9	71	46	1676	8.20	9	b.d.	b.d.	92	2.1	4	b.d.	349	4.15	0.018	b.d.	69	3.45	270	0.33	2	2.41	0.01	b.d.	98
49763	**MMI 24.040**	595970	6499250	2	14	13	69	b.d.	7	50	550	4.72	52	b.d.	3	29	b.d.	7	b.d.	39	1.09	0.082	12	6	1.18	39	0.27	22	1.22	0.04	0.07	126
49764	**MMI 26.010**	602520	6485900	20	233	17	61	0.9	7	60	451	10.50	4	b.d.	3	23	b.d.	3	3	51	0.44	0.052	5	2	0.54	12	0.09	b.d.	0.96	0.03	0.04	113
49765	**MMI 26.020**	604550	6486600	41	480	2610	27163	27.1	1	60	1134	5.13	6	b.d.	9	18	240.6	b.d.	60	5	1.03	0.014	28	16	0.11	20	b.d.	3	0.35	b.d.	0.22	149
49766	**MMI 27.040**	594270	6491040	2	18	11	49	0.1	7	20	884	2.03	71	b.d.	2	230	0.2	3	b.d.	23	2.45	0.089	16	3	0.46	131	b.d.	3	1.23	0.1	0.18	101
49767	**MMI 29.040**	593680	6488970	1	99	16	57	0.1	49	46	356	7.28	83	b.d.	b.d.	19	b.d.	5	b.d.	76	0.17	0.069	b.d.	80	0.47	36	b.d.	5	1.86	b.d.	0.08	127
49768	**MMI 30.030**	599500	6501150	21	80	37	8	121.2	2	85	219	1.41	164	b.d.	b.d.	12	b.d.	4	3	3	0.40	0.006	4	1	0.04	47	b.d.	2	0.08	b.d.	0.03	417
49769	**MMI 33.070**	601070	6505440	17	20	51	23	0.4	4	39	412	2.07	111	b.d.	2	45	b.d.	36	2	36	1.22	0.020	3	8	0.73	22	b.d.	3	0.79	b.d.	0.05	494
49770	**MMI 34.090**	596080	6505160	11	4	11	33	0.2	11	46	367	4.72	70	b.d.	2	48	b.d.	14	b.d.	105	0.52	0.069	7	87	1.74	24	0.2	5	1.4	0.05	0.06	218
49771	**MMI 34.090**	596080	6505160	12	5	12	33	0.2	9	47	383	4.93	71	b.d.	3	50	b.d.	11	b.d.	109	0.54	0.071	8	90	1.82	25	0.21	3	1.47	0.05	0.07	221
49772	**MMI 37.090**	587150	6510500	5	27	8	34	0.1	5	69	1042	16.05	8733	b.d.	b.d.	72	b.d.	93	b.d.	40	5.45	0.036	b.d.	7	3.75	4	b.d.	b.d.	0.26	0.01	b.d.	130
49773	**MMI 38.020**	599350	6495900	2	22	41	137	0.2	5	22	838	4.31	11	b.d.	8	40	b.d.	4	b.d.	126	0.65	0.087	10	16	2.58	629	0.33	b.d.	2.58	0.13	2.63	205
49774	**MMI 40.100**	582500	6504640	1	284	53	4241	5.1	242	53	1339	5.89	103	b.d.	2	96	128	2	9	128	4.15	0.097	3	200	6.50	34	0.03	b.d.	2.85	0.01	0.23	49
49775	**MMI 42.020**	587600	6508650	1	299	4216	3066	7.7	72	25	1890	4.59	344	b.d.	3	137	6.8	5	8	82	8.84	0.101	4	80	3.16	4	0.1	3	1.93	0.01	0.01	126
49776	**MMI 43.030**	603000	6511500	1	623	11443	11546	28.5	5	47	6738	3.92	50	b.d.	4	126	63.4	9	b.d.	17	5.42	0.018	3	9	2.05	5	0.04	106	2.37	b.d.	0.02	201
49777	**MMI 45.070**	607250	6509250	1	2390	4467	266	190.2	1	175	91	25.54	>10%	b.d.	4	8	0.7	1956	542	b.d.	0.05	0.002	b.d.	15	0.05	4	b.d.	b.d.	0.05	b.d.	b.d.	48
49778	**SSE 36.030**	612750	6497900	7	27	17	144	0.3	53	85	1423	19.77	1531	b.d.	6	10	b.d.	7	6	97	0.07	0.040	3	23	0.36	12	b.d.	b.d.	3.43	b.d.	0.05	62
49779	**SSE 38.120**	590710	6496250	7	5	86	16	1.1	2	37	120	0.52	55	b.d.	12	24	b.d.	53	b.d.	b.d.	0.01	0.005	23	13	b.d.	346	b.d.	3	0.16	0.02	0.07	597
49780	**SSE 42.100**	588850	6502600	6	34	15700	>10%	257.7	7	20	5318	4.12	4799	b.d.	b.d.	21	892.5	3551	b.d.	4	1.57	0.012	b.d.	1	0.28	2	b.d.	b.d.	0.12	b.d.	0.01	b.d.
49782	**SSE 47.050**	611400	6491050	8	26868	24	44	90.6	7	62	309	4.16	6	b.d.	7	37	b.d.	2	5	11	0.48	0.036	8	12	0.31	76	0.02	b.d.	0.79	0.01	0.07	255
49783	**SVA 3.030**	598580	6510250	1	22	28	502	0.2	2	19	922	3.79	34	b.d.	5	50	0.5	3	b.d.	55	0.44	0.098	9	6	1.02	143	0.15	20	1.74	0.08	0.15	145
49784	**SVA 3.090**	597830	6509610	2	13	16	42	b.d.	2	42	930	3.08	70	b.d.	2	75	b.d.	3	b.d.	45	0.56	0.080	7	11	1.04	38	0.17	4	1.52	0.12	0.18	616
49785	**SVA 23.040**	614825	6492370	1	1901	8	34	4.4	4	133	154	1.08	3	b.d.	b.d.	6	b.d.	3	b.d.	20	0.11	0.005	b.d.	15	0.17	3	0.01	3	0.36	b.d.	0.02	497
	detection limit (ppm):			1	1	2	1	0.1	1	1	1	100	2	5	2	1	0.2	2	2	2	100	10	2	1	100	2	100	2	100	100	100	1
	upper limit (%):			1	1	1	1	0.02	1	1	1	15	1	1		1	0.01	1	1	1	15	1	1	1	15	1	5		15	5	10	1

**** A 0.500 g sample is digested in 3 ml of 3-1-2 HCl-HNO$_3$-H$_2$O at 95°C for one hour and is diluted to 10 ml with water. The digestion is incomplete for most samples. Digestion is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, W, and limited for Na, K and Al. W contamination may have occured during sample preparation. b.d. = below detection limits.**

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Ministry of Energy, Mines and Petroleum Resources

BRITISH COLUMBIA GEOLOGICAL SURVEY

Geological Survey Branch

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(Sheet 2 of 2)

STUHINI CREEK MAP AREA LITHOGEOCHEMISTRY

NTS 104K/11

By M.G. Mihalynuk, D.G. Meldrum, W.A. Sears, G.G. Johannson, B.E. Madu, S.A.Vance, H.W. Tipper and J.W.H. Monger

SCALE 1:100 000

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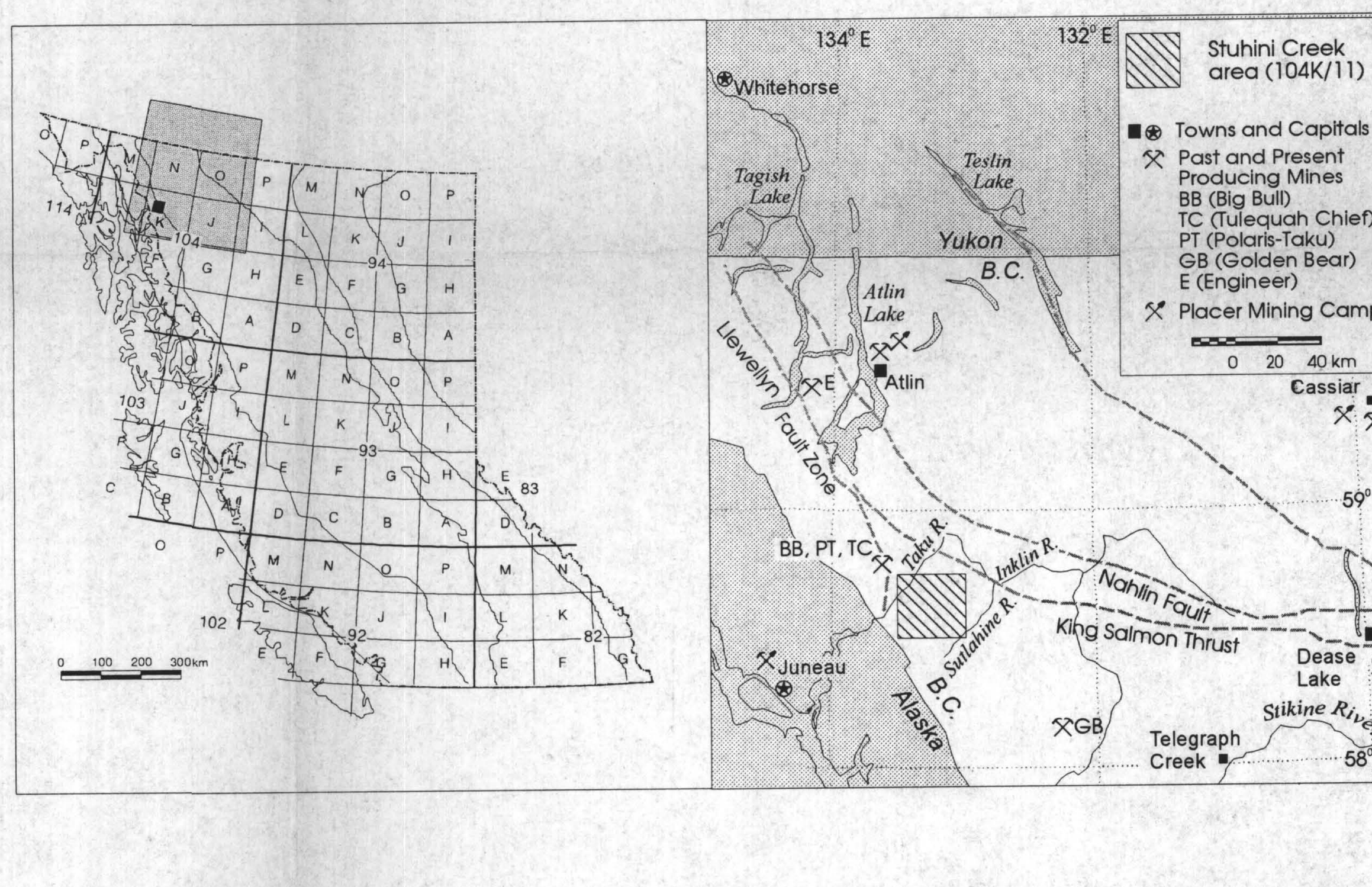
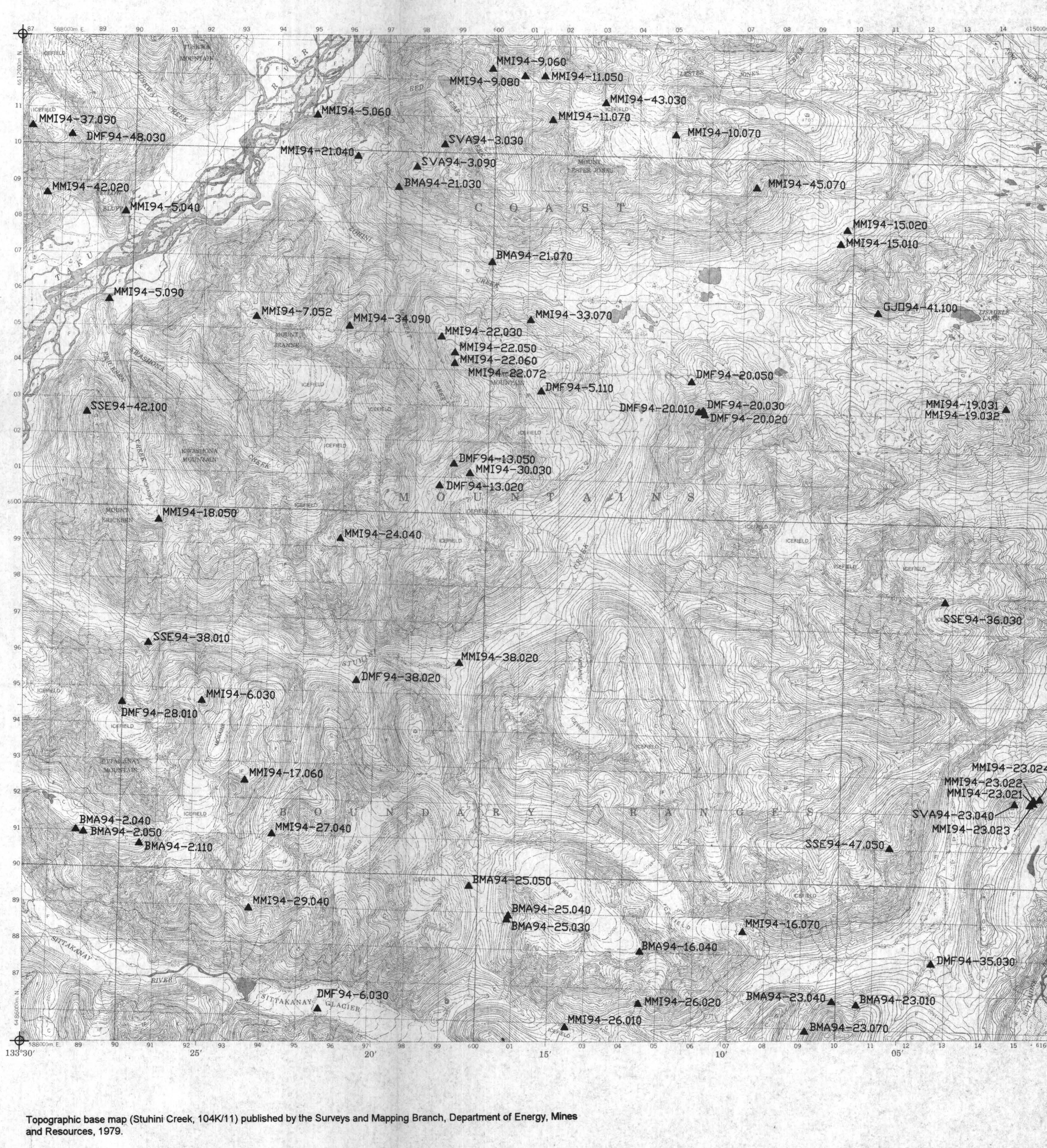
kilometres





Topographic base map (Stuhini Creek, 104K/11) published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources, 1979.

NORTH AMERICAN DATUM 1927
TRANSVERSE MERCATOR PROJECTION

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