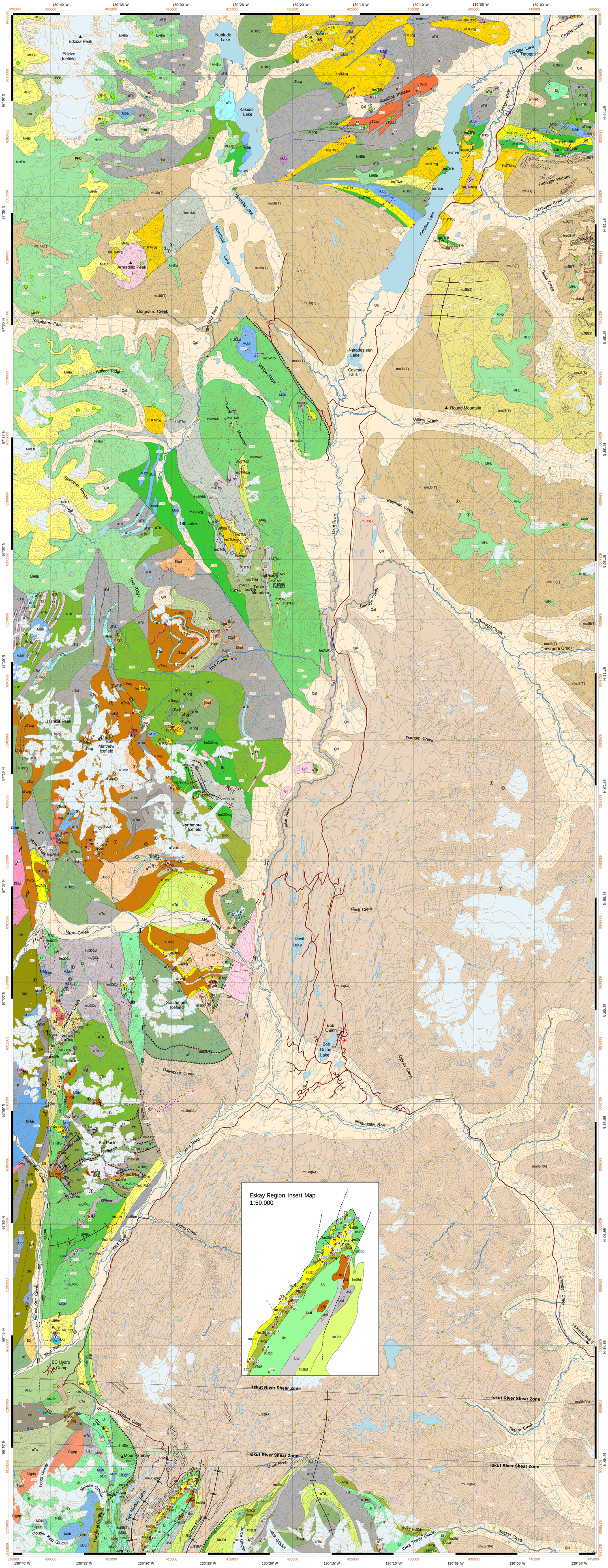
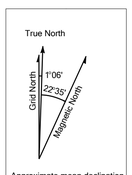
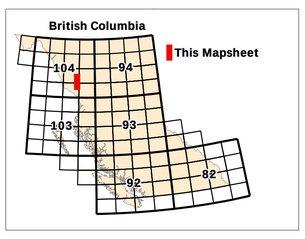






BRITISH COLUMBIA
Ministry of Energy, Mines and Petroleum Resources
Mining and Minerals Division
BC Geological Survey

Geology of the Upper Iskut River Area, British Columbia

British Columbia Geological Survey

Open File 2006-2

NTS 104G/1,2,7,8,9,10; 104B/9,10,15,16; 104H/4,5,12; 104A/12,13

by D.J. Alldrick, J.L.Nelson, T. Baressi, M.L. Stewart, and K. Simpson

Compilation and Cartography by T.J. Hewett

0 1 2 3 4 5 10 Kilometres

Fieldwork carried out 2003 through 2005. Map published January, 2006

Scale 1:100,000

INTRUSIVE ROCKS

CENOZOIC

Eocene

Hyder Plutonic Suite

- Er — White, quartz-phyric to aphyric rhyolite dikes and sills

MESOZOIC

Middle Jurassic

Three Sisters Plutonic Suite

- MJdr — Diorite
- MJgb — Gabbro; (age uncertain) correlated with Nickel Mountain intrusions
- MJpx — Pyroxenite

Early Jurassic

Texas Creek Plutonic Suite

- EJf — Felsic dikes and stocks
- EJgr — Granite; Hank stock (182 Ma)
- EJgdp — Grano diorite: fine–grained, hornblende porphyritic, K-feldspar megacrystic
- EJgd — Granodiorite; medium to coarse grained; hornblende porphyritic; K-feldspar megacrystic
- EJmz — Plagioclase (+/- K-feldspar) porphyritic hypabyssal monzonite (193Ma)
- EJt — Tonalite, lesser granodiorite, gabbro. Fine grained, heterogeneous intrusion of variable composition and texture

Late Triassic

Copper Mountain Plutonic Suite

- LTGqd — Groat stock (205 Ma, Friedman and Ash, 1997): granodiorite, quartz monzonite, granite and quartz diorite
- LTSy — Syenite porphyry, large zoned orthoclase phenocrysts, grey and pink

PALEOZOIC

Devono-Mississippian

- DMg — Granite
- DMdr — Diorite

STRATIFIED ROCKS

CENOZOIC

Quaternary (Pleistocene to Recent)

- Qt — Talus; landslide debris fan (Holocene)
- Qal — Alluvium (Pleistocene)

Miocene to Holocene

Stikine Volcanic Belt

- PHb — Basalt flows; massive, local pillows, cinder layers

Upper Miocene to Pliocene

Mount Edziza Volcanic Complex

- MHEr — Rhyolite and dacite flows, lava domes, pyroclastic rocks and related sub-volcanic intrusions; minor basalt flows
- MHEb — Bimodal alkali olivine basalt and hawaiite, perkaline trachyte and comendite; subaerial and subglacial lava flows and domes, flow breccia, pyroclastic tephra deposits and associated subvolcanic intrusions

Miocene to Pliocene

Maitland Volcanics

- MHb — Olivine basalt and minor trachyte necks and flows; columnar jointed, with rare pillows and breccia; (5.2 to 4.6 Ma)

MESOZOIC

Middle to Upper Jurassic

Bowser Lake Group

- muJB(S) — SKELHORNE ASSEMBLAGE (deltaic assemblage): intermixed and vari-coloured siltstone, sandstone, and conglomerate; primarily conglomerate
- muJB(E) — EAGLENEST ASSEMBLAGE (deltaic assemblaage): conglomerate, sandstone, siltstone, mudstone, and rare coal; primarily conglomerate
- muJB(M) — MUSKADDOO CREEK ASSEMBLAGE (shelf assemblage): sandstone, siltstone, conglomerate; primarily conglomerate
- muJB(T) — TODAGIN LITHOFACIES ASSEMBLAGE: Siltstone, fine grained sandstone, lenses of chert,pebble conglomerate; mainly laminated siltstone/fine grained sandstone; primarily conglomerate
- muJB(RA) — RITCHIE-ALGER LITHOFACIES ASSEMBLAGE: Sandstone, siltstone, rare conglomerate; abundant turbidite features; primarily conglomerate

Lower to Middle Jurassic (Toarcian to Bajocian)

Upper Hazelton Group

Upper Eskay Rift Sequences

Sixpack Range Facies

- lmJSPbx — Dacite breccia
- lmJSPb — Basalt. Massive, aphantic to fine-grained, equigranular to locally glomeroporphyritic. Multiple massive subaerial flows, up to 10 meters thick, exposed over a 200 meter cliff face
- lmJSPd — Dacite. Massive flow and fragmental units.
- lmJSPsd — Sandstone. Well bedded with graded beds; incorporates minor pebble conglomerate

Iskut River Facies

- lmJIRr — Rhyolite breccia. Sharply angular aphantic rhyolite clasts in sandy (hyaloclastite?) groundmass. White, grey, black colour-mottling
- lmJIRd — Dacite breccia; coarsely clastic to finely comminuted with rare exotic limestone clasts and olistoliths. Minor siltstone interbeds
- lmJIRm — Carbonaceous mudstone; black, lustrous, phyllitic

Downpour Creek Facies

- lmJDCb — Basalt, pillow basalt
- lmJDCr — Rhyolite; white, aphantic; black matrix breccia
- lmJDCsl — Dark to grey to black mudstone and siltstone with thin beds of silty limestone, sandstone, and rare pebble conglomerate

Arctic Grid Facies

- lmJAGr — Rhyolite; white, massive, aphantic to fragmental
- lmJAGsl — Siltstone and mudstone, dark grey to black, thin bedded, fossiliferous

Lower Eskay Rift Sequences

Eskay Mine Facies

- lmJEb — Basalt; pillow basalt, pillow breccia, massive basalt flows, hyaloclastite. Basaltic sills and dikes, peperite. Minor intercalated mudstone
- lmJEr — Rhyolite; flow-banded, flow lobes, breccias, hyaloclastite, perlite, spherulites. Multiple flow-dome complexes. (Eskay Rhyolite; Footwall Rhyolite)
- lmJEd — Dacite; fragmental tuff and amygdoloidal flow (Mount Dilworth Formation; Footwall Volcanic Unit; Datum Dacite)

Forgold Facies

- lmJFb — Basalt. Massive basalt flows, pillow basalt and pillow breccia. Rare flow-banded basalt flows and columnar-jointed basalt
- lmJFr — Rhyolite (Four Corners Complex). Massive rhyolite flows with interbedded siliceous, pyritic mudstone

Pillow Basalt Ridge Facies

- lmJPRb — Pillow basalt unit. Pillowed and massive flows. Minor mudstone and rare rhyolite lenses and dikes. Includes siliceous mudstone (lmJPRm)
- lmJPRr — Rhyolite. Massive to flow-banded; and brecciated flows (peperite)
- lmJPRm — Siliceous mudstone with tuffaceous siltstone laminations

Willow Ridge Complex

- lmJWRb — Basalt, pillow basalt, hyaloclastite, basalt dikes; lesser rhyolite, minor dacite and siltstone
- lmJWRr — Aphyric white rhyolite flows, dikes; rhyolite vitric ash flow tuffs, minor crystal component
- lmJWRd — Dacite pyroclastic flows; polymictic volcanic debris flows. Poorly sorted, ash to block size fragments, clasts include brecciated pumice and scoria, perlitic rhyolite and dacite clasts
- lmJWRsl — Siltstone
- lmJWRsd — Sandstone, granule to pebble conglomerate, siltstone; pyritic

Table Mountain Complex

- lmJTMub — Basalt, pillow basalt, hyaloclastite, basalt dikes; lesser rhyolite, dacite dikes and siltstone
- lmJTMr — Aphyritic white rhyolite flows, dikes; monomictic and mixed rhyolite-sedimentary breccias; rhyolite vitric ash flow tuffs and minor crystal component
- lmJTMd — Spherulitic dacite lava flows, domes, dikes; dacite ash-lapilli tuff
- lmJTMs — Dark grey siltstone, argillite, shale; thin bedded arkosic sandstone and grit
- lmJTMrcg — Coarse conglomerate: dominated by rhyolite clasts; interbedded pebbly lithic sandstone
- lmJKLb — Basalt, pillow basalt, hyaloclastite, basalt dikes; lesser rhyolite and dacite dikes

Toarcian to Bajocian

Upper Hazelton Group

Spatsizi Formation

Todagin Plateau

- lmJTPcg — Conglomerate; heterolithic rhyolite, andesite, and sedimentary clasts; minor petrified wood, and moderately sorted volcanic sandstone matrix, massive to poorly bedded fragments
- lmJTPb — Basalt, pillow basalt, hyaloclastite, basalt breccia, heterolithic, basalt-dominated breccia
- lmJTPr — Rhyolite, white to bright blue-green, aphantic, massive rhyolite (183 Ma)
- lmJTPd — Dacite (not on map)
- lmJTPsl — Siltstone (not on map)
- lmJTPsd — Sandstone (not on map)
- lmJTPa — Andesite

Upper Hazelton Group

Salmon River Formation

Snoball Creek

- lmJSCsl — Thin-bedded grey to black siltstone, calcareous siltstone, sandstone, sedimentary breccia. Pleinsbachian ammonoids and Bajocian radiolaria
- lmJSCr — Rhyolite, massive to brecciated flows; aphantic, white to pale blue-green, peperitic tops, interbedded black siliceous mudstone, commonly pyritic
- lmJSCvcg — Andesite and dacite volcanic breccia to conglomerate, plagioclase-phyric clasts, maroon to green interbedded black siliceous mudstone, commonly pyritic

Lower Jurassic (Sinemurian to Toarcian)

Lower Hazelton Group

- lJvcg — Maroon-weathering volcanic conglomerate and breccia; epiclastic; polymictic. Lesser andesite to dacite flows. Rare basalt flows (Ub). Rare dikes and pods of plagioclase porphyritic andesite. Rare limestone
- lJi — Andesite to dacite flows, massive; lesser maroon-weathering volcanic conglomerate and breccia
- lJr — Rhyolite on Logan Ridge. Resistant rhyolite flows; massive to brecciated, flow-banded and spheroidal
- lJrcg — Conglomerate with dominant rhyolite clasts
- lJsl — Siltstone, thin-bedded grey to black, calcareous siltstone, sandstone, sedimentary breccia
- lJd — Dacite; felsic flows and pyroclastic rocks; flow-banded to fragmental textures; local welded ash flows (Mount Dilworth Formation)
- lJb — Basalt; pillow basalt, fire-fountain deposits; mafic tuffs
- lJc — Limestone
- lJsd — Sandstone; lesser wacke, siltstone, mudstone, conglomerate

Lower Jurassic (Hettangian to Sinemurian)

Lower Hazelton Group

- lJsJ — Basal sedimentary unit. Undifferentiated clastic sedimentary rocks; includes sandstone, siltstone, mudstone, granule to pebble conglomerate; local clast-supported granitoid pebble to boulder conglomerate
- lJcgJ — Basal conglomerate marking unconformity. Grantoid cobbles to boulders

Upper Triassic (Carnian to Rhaetian)

Stuhini Group

- uT — Undivided.
- uTb — Basalt; plagioclase and pyroxene-porphory flows, volcaniclastic rocks and related intrusions
- uTsl — Siltstone; greywacke, shale, mudstone; minor limestone, conglomerate, arenite tuff, ribbon chert
- uTd — Dacite. Massive, aphyric flows and felsic fragmental units; lapilli, ash and crystal tuff
- uTa — Andesite; plagioclase-phyric flows, massive to brecciated, maroon to green; massive to bedded volcanic conglomerate
- uTvcg — Epiclastic conglomerate; with interbeddded sandstones and mudstones. Green to maroon pyroxene-plagioclase phyric volcanic breccias. Mixed intermediate to mafic volcanic and sedimentary rocks. Rare limestone conglomerate in olistostromal environment
- uTvsd — Sandstone. Volcanic sandstone and lesser siltstone and mudstone. Feldspathic arenite, thick-bedded, pale green but buff-weathering; carbonate cement. Rare interbedded intermediate to mafic volcanic flows; rare conglomerate
- uTc — Limestone. White, massive to bedded, fossiliferous limestone; grey to black argillaceous limestone; reefoid limestone; fossiliferous calcareous siltstone and shale. Commonly as olistostromes
- uTbcg — Basalt breccia and conglomerate. Includes pyroxene-phytic and pillowed flows, flow breccia, re-worked breccia and conglomerate, and dikes; Lapilli to block tuffs and epiclastic rocks, aphyric to porphyritic
- uTr — Rhyolite flows, and/or dikes; white to blue-green quartz-plagioclase phyric. Rhyolite tuff; bright apple-green; massive to bedded. Black vitreous flows and dikes; massive to flow-banded; locally pyritic
- uTvsl — Volcanic siltstone; medium green. Well-bedded dacitic to andesitic siltstone
- uTm — Shale; black, thin-bedded, carbonaceous and pyritic, silty shale, mudstone, grey sandstone, and siliceous siltstone. Minor silty limestone and chert

PALEOZOIC

Permian

Stikine Assemblage

- P — Undivided.
- Pc — Limestone slabs within volcaniclastic rocks; limestone olistolith within Iskut River Facies dacite breccia
- Psl — Phyllite, siliceous siltstone, minor chert and wacke
- Pv — Volcanic rocks. Basalt, andesite, rhyolite; variable chloritised, strongly foliated

Carboniferous

Stikine Assemblage

- C — Grey to light green phyllitic siltstone, graphitic argillite, siliceous phyllite/tuff and thin lenses of dark brown limestone. Fetid dolomitic limestone, and minor interbeds of maroon and green tuff and cherty siltstone

Devono-Mississippian

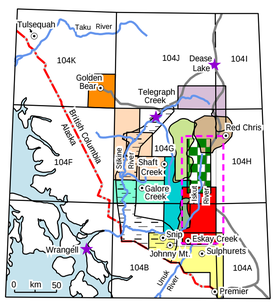
Stikine Assemblage

- DM — Undivided. Basalt and andesite; hyaloclastite, pillowed and flow breccia rocks. Minor foliated clastic sedimentary rocks, including siltstone, sandstone, chert, tuff, and recrystalized limestone. Massive to grey bioclastic limestone with silty dolomitic layers

SYMBOLS

- Geological contact (defined, approximate, assumed)
- Thrust fault (defined, assumed)
- Normal Fault (defined, assumed)
- Strike-slip fault, sinistral (defined, assumed)
- Bedding; tops unknown (inclined, vertical)
- Bedding; tops known (inclined, overturned)
- Foliation (inclined, vertical)
- Foliation - 2nd generation (inclined, vertical)
- Shear band (inclined, vertical)
- Dike (inclined, vertical)
- Brittle shear/fault plane
- Lineation - unspecified
- Igneous flow banding
- Cleavage, axial
- Airstrip
- Townsite
- Minesite
- Hotspring
- Field Station
- Mineral Occurence
- RGS sample site
- Craters
- Geochron dates
- Macro fossils
- Micro fossils
- Contours at 100m intervals
- Rivers and Streams
- Roads
- Lakes
- Glaciers and Icefields
- 50 year floodplain

PUBLISHED MAPS



- Mine or Developed prospect
- This Mapping Project
- Alldrick et al. 2005
- Alldrick et al. (2004)
- Evenchick and Thorkelson (2004)
- Ash et al. (1997)
- Logan et al. (1997)
- Logan and Koyanagi (1994, 1989)
- Bradford and Brown (1993)
- Stikine Project - Geoscience Maps 1993-3 to 1993-6
- Souther (1992)
- Alldrick et al. (1987, 1988, 1989, 1990, 1991, 1992)
- Read et al. (1989)
- Read (1983, 1984)
- 104J Gabrielese (1980)
- 104G Souther (1972)
- 104K Souther (1971)
- 104F Souther (1959)
- Kerr (1948)

MINERAL OCCURRENCES

MAP #	NAME	MINFILE #	STATUS	COMMODITIES
1	Curt	104G 169	Showing	Ag
2	Horn North	104G 176	Showing	Zn,Pb, Ag, Cu
3	Horn East	104G 177	Showing	Au
4	Horn (SF)	104G 035	Prospect	Ag Au Ba Pb Zn Cu
5	Hawk	104G 005	Deposit	Au Ag Pb Zn Cu
6	Seestor	104G 170	Showing	Au Ag
7	Spectrum (Fog)	104G 036	Deposit	Au Ag Cu Pb Zn
8	Art	104G 071	Showing	Cu
9	Spectrum (Skam)	104G 036	Deposit	Au Ag Cu Pb Zn
10	Blowdown	104G 171	Showing	Au Cu
11	Wolf West	104G 172	Showing	Au Cu Zn
12	Wolf	104G 045	Prospect	Cu Au
13	GR	104G 122	Showing	Au Ag Pb Zn Cu
14	YT		Showing	Cu Ag
17	GJ North	104G 034	Showing	Cu Au Ag Pb Zn
15	Sun	104G 087	Showing	Cu Ag
16	Trevor Peak	104G 173	Showing	Au Cu
18	Donnelly (Groat)	104G 086	Prospect	Cu Au Pb Zn
19	GJ	104G 034	Prospect	Cu Au Ag Pb Zn
20	Beauchamps	104G 174	Showing	Au Ag Cu Pb Zn
21	Bond	104G 175	Showing	Cu Au
22	Ram	104H 011	Showing	Mo
23	Zinc Moss		Showing	Ag Cu Zn
24	Dome		Showing	Pyrite
25	Compass		Showing	Zn Cu Ag
26	Griz		Showing	Zn Cu Ag
27	Rainbow		Showing	Au Ag Zn Pb Cu Au
28	Mary	104G 018	Showing	Mo Cu
29	ME	104G 042	Showing	Cu Mo Pb Zn Au Ag
30	Ball Creek	104G 072	Showing	Au
31	Hank	104G 107	Deposit	Au Ag Pb Zn Cu
32	Whistle Pig		Showing	Ag Au
33	MAL	104G 147	Showing	Cu Zn Au Ag
34	Ice		Showing	Cu Au Ag
35	Snoball	104G 143	Showing	Au Ag Cu Pb Zn As
36	Little Les	104G 079	Prospect	Cu Ag Au
37	Biskut	104G 146	Showing	Au Ag Cu Pb Zn
38	Bis		Prospect	Cu As Mo Ag Au
39	Arctic 8		Showing	no data
40	Downstream		Showing	As Sb Hg
41	Arctic Grid (Ochre Swamp)		Prospect	no data
42	Bench	104B 010	Showing	Ag Hg Zn Cu Mo Pb Au As Sb
43	East		Showing	As Au
44	KC		Showing	Cu Au Ag
45	Lucifer	104G 145	Prospect	Cu Au As Ba Cd Mo Pb Zn
47	Iskut River II	104G 104	Showing	Limestone
46	Iskut River Limestone	104G 104	Showing	Limestone
48	Iskut River III	104G 104	Showing	Limestone
49	Iskut River I	104G 104	Showing	Limestone
50	Iskut River Limestone	104G 104	Showing	Limestone
51	RDN (Exploration Camp)			camp location
52	Main Zone		Prospect	Ag Au Zn Cu Pb
53	Baseline	104G 144	Showing	Au
54	Gem		Prospect	Ag Au
55	Sinter		Prospect	Ba Zn Cu As Ag Hg Pb
56	Logan Ridge		Showing	no data
57	Waterfall	104G 144	Showing	no data
58	Wedge	104G 144	Prospect	Au Ag Zn Cu Pb
59	Southmore		Showing	Hg Ag Mo Zn As Cu Pb Sb
60	Jungle Anomaly	104G 144	Prospect	Au As Ag Pb
61	Gossan Creek Porphyry		Prospect	Zn Cu Pb Ag Au
62	Steen Vein		Showing	Ag Au Pb Zn
63	Marcasite Gossan	104G 144	Prospect	Ag Mo Hg As Sb
64	South Gossan		Showing	no data
65	RTB		Showing	Zn Pb Cu Ag Au Sb As Hg
66	Boundary	104G 144	Prospect	Au Ag Cu Zn Pb As Hg
67	Forgold	104B 378	Prospect	Cu Pb Zn Ag Au
68	Twin East		Showing	no data
69	Twin West		Showing	no data
70	Four Corners		Showing	Pb Ag
71	Sunkist		Showing	As Zn
72	Malachite Peak		Showing	Cu
73	PBR North		Showing	Zn Ag Ba
74	Mohole		Showing	no data
75	Forrest	104B 380	Prospect	Au Ag Cu Pb Zn
76	Iskut-Palmiere		Showing	Au As
77	Eskay Creek NEX Zone	104B 008	Producing Mine	Au Ag
78	Eskay Creek 109 Zone	104B 008	Producing Mine	Au Ag
79	Eskay Creek Pathfinder Zone	104B 008	Deposit	Au Ag
80	Eskay Creek 21C Zone	104B 008	Producing Mine	Au Ag
81	Eskay Creek 21B Zone	104B 008	Producing Mine	Au Ag
82	Eskay Creek 21A Zone	104B 008	Deposit	Au Ag
83	# 21 opencut	104B 008	Prospect	Au Ag
84	# 5 opencut	104B 008	Prospect	Au Ag
85	# 25 opencut	104B 008	Prospect	Au Ag
86	Eskay Creek 22 Zone	104B 008	Deposit	Au Ag
87	Eskay Creek Porphyry Zone	104B 008	Prospect	Au Ag
88	# 28 opencut	104B 008	Prospect	Au Ag
89	Emma adit	104B 008	Prospect	Au Ag
90	# 10H opencut	104B 008	Prospect	Au Ag
91	# 10 opencut	104B 008	Prospect	Au Ag
92	Bonsai	104B 383	Showing	Au Ag
93	GNC	104B 391	Prospect	Zn Cu Ag
94	Mackay adit	104B 008	Prospect	Au Ag
95	SIB North	104B 376	Showing	Au Ag Sb Zn
96	Jack Glacier	104B 083	Showing	Au Ag Zn Cu
97	Icefield	104B 120	Showing	Cu
98	Gap		Showing	Ag Pb Au Zn
99	SIB Central	104B 376	Prospect	Au Ag Sb Zn
100	SIB adit	104B 376	Prospect	Au Ag Sb Zn
101	Pie		Prospect	no data
102	Copper King	104B 007	Showing	Cu Fe Au
103	Orpiment		Showing	As alunite
104	1100	104B 376	Showing	Au Ag Sb Zn
105	Bruce Glacier	104B 072	Prospect	Au Ag Zn Pb Cu
106	Thumb		Showing	Zn Fe
107	GR North	104B 374	Showing	Ag Cu Pb Zn Sb Au
108	U2 North		Showing	Ag, Au, Cu
109	Lulu	104B 376	Prospect	Au Ag Sb Zn
110	SIB South	104B 376	Showing	Au Ag Sb Zn
111	GR South	104B 371	Showing	Au Ag Cu Pb Zn Sb
112	Marguerite	104B 376	Showing	Ag Au Cu
113	Barb Lake	104B 085	Showing	Cu
114	Hexagon		Prospect	Hg

Eskay Insert Map Mineral Occurrences

115	Eskay Creek HW Zone	104B 008	Producing Mine	Cu
116	Eskay Pumphouse Zone	104B 008	Deposit	Au Ag
117	#23 opencut	104B 008	Prospect	Au Ag
118	#13 opencut	104B 008	Prospect	Au Ag
119	#14 opencut	104B 008	Prospect	Au Ag
120	#6 opencut	104B 008	Prospect	Au Ag
121	#7 opencut	104B 008	Prospect	Au Ag
122	#4 opencut	104B 008	Prospect	Au Ag
123	SIB Northeast	104B 376	Showing	Au Ag Sb Zn

COMPILATION SOURCES AND OTHER REFERENCES

Alldrick, Nelson, J.L., Barresi. T., (2006): Geology of the Volcano Creek - More Creek Area, BC Ministry of Energy, Mines and Petroleum Resources. Open File Map 2006-6, scale 1:50,000

Alldrick, D.J., Nelson, J.L. and Barresi, T. (2005): Tracking the Eskay Rift through northern British Columbia – Geology and Mineral Occurrences of the upper Iskut River area; Geological Fieldwork 2004, BC Ministry of Energy, Mines and Petroleum Resources, Paper 2005-1, p.1-30.

Alldrick, D.J., Stewart, M.L., Nelson, J.L. and Simpson, K.A. (2004a): Geology of the More Creek - Kinaskan Lake area, northwestern British Columbia; BC Ministry of Energy, Mines and Petroleum Resources, Open File Map 2004-2, Scale 1:50 000.

Alldrick, D.J., Stewart, M.L., Nelson, J.L. and Simpson, K.A. (2004b): Tracking the Eskay Rift through northern British Columbia - geology and Mineral occurrences of the Upper Iskut River area; BC Ministry of Energy, Mines and Petroleum Resources Geological Fieldwork 2003, Paper 2004-1, p.1-18.

Alldrick, D.J. (2000): Exploration significance of the Iskut River Fault; BC Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork 1999, Paper 2000-1, p.237-248.

Alldrick, D.J. and Britton J.M. (1992): Unuk River Area Geology, BC Ministry of Energy, Mines and Petroleum Resources, Open File Map 1992-22, Scale 1:20 000, 5 sheets.

Alldrick, D.J., and Britton, J.M. (1991): Suphurets Area Geology, BC Ministry of Energy, Mines and Petroleum Resources, Open File Map 1991-21, Scale 1:20,000, 5 sheets.

Alldrick, D.J., Britton, J.M., MacLean M.E., Hancock K.D., Fletcher B.A. and Hiebert S.N. (1990): Geology and Mineral Deposits of the Snippaker Area, BC Ministry of Energy, Mines and Petroleum Resources, Open File Map 1990-16, 1:50 000 scale.

Alldrick, D.J., Britton, J.M., Webster, I.C.L. and Russell, C.W.P. (1989): Geology and Mineral Deposits of the Unuk Area, BC Ministry of Energy, Mines and Petroleum Resources, Open File Map 1989-10, 1:50 000 scale.

Alldrick, D.J. and Britton, J.M. (1988): Geology and Mineral Deposits of the Sulphurets Area, BC Ministry of Energy, Mines and Petroleum Resources, Open File Map 1988-4, 1:50 000 scale.

Alldrick, D.J. (1987): Geology and Mineral Deposits of the Salmon River Valley, Stewart Area (104A, B), 1:50 000 scale, BC Ministry of Energy, Mines and Petroleum Resources, Open File Map 1987-22.

Ash, C.H., Macdonald, R.W.J., Stinson, P.K., Fraser, T.M., Read, P.R., Pustka, J.F., Nelson, K.J., Ardan, K.M., Friedman, R.M. and Lefebure, D.V. (1997): Geology and Mineral Occurrences of the Tatogga Lake Area, Northwestern British Columbia (104G/9E&16SE, 104H/12NW&13SW); BC Ministry of Energy, Mines and Petroleum Resources. Open File Map 1997-3, 1:50 000 scale.

Barresi, T., Nelson, J.L., Alldrick, D.J. and Dostal, J. (2005): Pillow Basalt Ridge Facies - detailed mapping of Eskay Creek equivalent stratigraphy (Iskut River NTS 104B/9, 10, 15, 16); BC Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork 2004, this volume.

Bradford, J.A. and Brown, D.A. (1993): Geology, Mineral Occurrences and Geochemistry of the Tatsamenie Lake Areas, Northwestern British Columbia (NTS 104K/1 and 8S); B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1993-1, 3 sheets.

Brown, D.A. (1993): Geology of theTahltan Lake Area, Northwestern British Columbia (104G/13); Ministry of Energy, Mines and Petroleum Resources, Geoscience Map 1993-6. Brown D.A. and Gunning, M.H. (1993a): Geology of the Scud River Area, Northwestern British Columbia (104G/5); B.C. Ministry of Energy, Mines and Petroleum Resources, Geoscience Map 1993-3.

Brown, D.A. and Gunning, M.H. (1993b): Geology of the Scud Glacier Area. Northwestern British Columbia (104G/6); B.C. Ministry of Energy, Mines and Petroleum Resources, Geoscience Map 1993-4.

Brown, D.A., Greig, C.J. and Gunning, M.H. (1993): Geology of the Yehiniko Lake and Chutine River Area, Northwestern British Columbia (104G/11W, 12); B.C. Ministry of Energy, Mines and Petroleum Resources, Geoscience Map 1993-5.

Evenchick, C.A., Hayes, M.C., Buddell, K.A. and Osadetz, K.G. (2002): Vitrinite and bitumen reflectance data and preliminary organic maturity model for the northern two-thirds of the Bowser and Sustut basins, north-central British Columbia, Geological Survey of Canada, Open File 4343, British Columbia Ministry of Energy and Mines Petroleum Geology Open File 2002-1, 1:250 000 scale.

Evenchick, C.A., Poulton, T.P., Tipper, H.W., Braidek, I. (2001): Fossils and facies of the northern two-thirds of the Bowser Basin, British Columbia; Geological Survey of Canada, Open File 3956, 2001; 103 pages.

Gabrielse. H. (1980): Dease Lake Map Area; Geological Survey of Canada, Open File 707.

Kaip, A.W. (1997): Geology, alteration and mineralization on the Hank property, Northwestern British Columbia; a near-surface, low-sulfidation epithermal system; The University of British Columbia, M.Sc. Thesis, 198 pages.

Kerr, F.A. (1948): Lower Stikine and Iskut River Areas, British Columbia; Geological Survey of Canada, Memoir 246, 94 pages.

Lewis, P.D., Toma, A., Tosdal, R.M., editors (2001): Metallogenesis of the Iskut River Area, Northwestern British Columbia: Mineral Deposit Research Unit, University of British Columbia, Special Publication Number 1.

Logan, J.M., Drobe, J.R., Koyanagi, V.M. and Elsby, D.C. (1997): Geology of the Forest Kerr - Mess Creek Area, Northwestern British Columbia (104B/10,15 & 104G/2 & 7W), BC Ministry of Energy, Mines and Petroleum Resources, Geoscience Map 1997-3, 1:100 000 scale

Logan, J.M., Drobe, J.R. and McClelland, W.C. (2000): Geology of the Forest Kerr - Mess Creek Area, Northwestern British Columbia (104B/10,15 & 104G/2 & 7W); BC Ministry of Energy, Mines and Petroleum Resources, Bulletin 104, 164p.

Logan,J.M. and Koyanagi, V.M. (1994): Geology and Mineral Deposits of the Galore Creek Area (104G/3&4); BC Ministry of Energy, Mines and Petroleum Resources, Bulletin 92, 96 pages.

Read, P.B. (1984): Klastline River (104G/16E), Ealue Lake (104H/13W), Cake Hill (1041/4W). and Stikine Operation Stikine (1957): Stikine River area, British Columbia (104A, B, G, H, I, J). Map 9-1957.

Read, P.B., Brown, R.L., Psutka, J.F., Moore, J.M., Journeay, M., Lane, L.S. and Orchard, M.J. (1989): Geology, More and Forest Kerr Creeks (parts of 104B/10,15,16 & 104G/1, 2), Northwestern British Columbia; Geological Survey of Canada, Open File 2094.

Canyon (104J/1E); Geological Survey of Canada, Open File 1080.

Read, P.B. (1983): Geology, Classy Creek (104J/2E and Stikine Canyon (104J/2W), British Columbia; Geological Survey of Canada. Open File 940.

Souther, J.G. (1992): The Late Cenozoic, Mount Edziza Volcanic Complex, British Columbia; Geological Survey of Canada, Memior 420, 320 pages.

Souther, J.G. (1972): Telegraph Creek Map Area, British Columbia; Geological Survey of Canada, Paper 71-44, 38 pages.

Souther, J.G. (1971): Geology and Mineral Deposits of Tulsequah Map Area: Geological Survey of Canada, Memoir 362, 76 pages.

Souther, J.G. (1959): Chutine; Geological Survey of Canada. Map 7-1959.

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