CANADA

EDITION 1 104 B/15

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
GEOLOGICAL SURVEY BRANCH

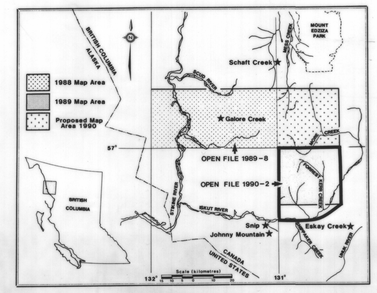
OPEN FILE 1990-2 (SHEET 1 OF 2)

GEOLOGY, GEOCHEMISTRY AND MINERAL OCCURRENCES OF THE FORREST KERR - ISKUT RIVER AREA, NORTHWESTERN BRITISH COLUMBIA

NTS 104B/15 AND PART OF 104B/10

JAMES M. LOGAN, VICTOR M. KOYANAGI, JOHN R. DROBE

SCALE 1:50 000



LEGEND

QUATERNARY

- Rv — RECENT VOLCANICS
- Qal — TILL, ALLUVIUM

LAYERED ROCKS

MIDDLE TO UPPER JURASSIC BOWSER LAKE GROUP

- JBp — PLANAR BEDDED SHALE AND LOCALLY CROSSBEDDED SANDSTONE TURBIDITE COUPLETS
- JBcg — CHERT PEBBLE TO GRANULE CONGLOMERATE

JURASSIC

- Ju — UNDIVIDED SEDIMENTS AND VOLCANICS
- Jw — BRECCIATED AND CRACKLE FRACTURED DARK GREEN AND GREY SILICEOUS SILTSTONES AND PYRITIC CHERT, CARBONACEOUS TUFFACEOUS WACKES WITH INTERBEDDED CONGLOMERATE CONTAINING CLASTS OF CHERT, BLACK SILTSTONE, AND INTERMEDIATE TO FELSIC VOLCANICS (Jwcg)

MIDDLE(?) JURASSIC

- mJvb — DENSE MEDIUM GREY TO GREEN PILLOW BASALT, LOCALLY AMYGDALOIDAL, PLAGIOCLASE PHYRIC, PILLOW BRECCIA FLOWS AND FLOW BRECCIAS, HYALOCLASTITE.
- mJvs — THINLY BEDDED, ALTERNATING BLACK AND WHITE SILICEOUS TUFFS AND SEDIMENTS

LOWER(?) JURASSIC

- lJp — FISSILE, THIN BEDDED, SILTSTONE AND SANDSTONE WITH CARBONACEOUS WOOD FRAGMENTS, GRANULE CONGLOMERATES CONTAINING INTERMEDIATE VOLCANIC, SEDIMENTARY AND LIMESTONE CLASTS.
- lJt — BROWNISH GREY LAPILLI AND CRYSTAL TUFF; RHYOLITE CRYSTAL TUFF AND LESSER FLOWS (Lit)

UPPER TRIASSIC STUHINI GROUP

- uTS — UNDIVIDED VOLCANICS AND SEDIMENTS
  - uTSvt — MAROON AND GREEN PLAGIOCLASE AND LESSER AUGITE-PHYRIC LAPILLI TO BLOCK TUFFS AND ASSOCIATED EPICLASTICS
  - uTSv — MAROON AND GREEN PORPHYRITIC VOLCANIC FLOW BRECCIAS, PLAGIOCLASE-PHYRIC (uTSvp); AUGITE-PHYRIC (uTSva)
  - uTSt — GREY-GREEN APHANITIC TUFF
  - uTSw — TUFFACEOUS WACKE, ARGILLITE, LIMESTONE; CARBONACEOUS AND CALCAREOUS SILTSTONE INTERBEDDED WITH FINE GRAINED SANDSTONE AND MINOR CONGLOMERATE; MAROON VOLCANIC CONGLOMERATE WITH LIMESTONE CLASTS (uTSwcg)

PALEOZOIC STIKINE ASSEMBLAGE

- Pu — UNDIVIDED METAVOLCANICS AND METASEDIMENTS

WESTERN ASSEMBLAGE

PERMIAN

- Pv — UNDIVIDED PERMIAN VOLCANICS AND SEDIMENTS
  - Pvt — LAPILLI AND PLAGIOCLASE CRYSTAL TUFF, FELSIC WELDED ASH TUFF, THINLY BEDDED SILICEOUS LIMESTONE LENSES; RHYOLITE FLOWS (Pvr); VOLCANIC SANDSTONE, SILTSTONE AND MAROON SHALLOW(?) WATER CONGLOMERATES (Pvs)
  - Pc2 — ALGAL LIMESTONE; THIN-LAMINATED, DARK GREY TO BLACK, LOCALLY FETID, WEATHERS BUFF, PISOLITE-RICH BEDS AND CUSPATE STACKED CONCAVE ALGAL STRUCTURES COMMON
  - Pvb — HORNBLENDE-PLAGIOCLASE PORPHYRITIC ANDESITE BRECCIA FLOWS; LOCALLY AMYGDALOIDAL, CONTAINS 30 TO 40 PERCENT EUHEDRAL WHITE PLAGIOCLASE AND 15 PERCENT CHLORITIC ACICULAR HORNBLENDE CRYSTALS; MAROON LAHAR AND LAPILLI TUFF (Pvb)
  - Pc1 — BIOCLASTIC LIMESTONE WITH CHERTY INTERBEDS; MEDIUM-BEDDED TO MASSIVE GREY BIOCLASTIC CALCARENITE AND LESSER BUFF SILTY DOLOMITIC UNITS; THIN BEDDED SECTIONS CONTAIN BLACK TO YELLOWISH BUFF AMORPHOUS SILICA BEDS UP TO 20 CENTIMETRES THICK; SOLITARY CORALS, FORAMINIFERA, BRYOZOAN, CRINOIDS AND VARIOUS BRACHIOPODS ARE LOCALLY ABUNDANT
  - Pcg — THICK BEDDED, BOULDER TO PEBBLE CONGLOMERATE, CLASTS ARE AUGITE PHYRIC, PLAGIOCLASE PHYRIC, ANDESITE, BASALT, AND LIMESTONE CLASTS.

MISSISSIPPIAN - PENNSYLVANIAN

- Mss — SILTSTONE-SANDSTONE TURBIDITES AND LESSER CHERTS
- Mc — THICK-BEDDED CRINOIDAL CALCARENITE WITH INTERBEDDED SILICEOUS SILTSTONE
- Mv — UNDIVIDED VOLCANICS
  - Mvt — MAFIC TO INTERMEDIATE SCORIACEOUS LAPILLI TUFF; SILICEOUS DUST TUFFS AND EPICLASTICS (Mvts); INTERMEDIATE TO FELSIC ASH FLOW AND WELDED TUFFS (Mvt)
  - Mvr — RHYOLITE, RHYODACITE, PINK AND ORANGE FLOW BANDED BRECCIAS VARYING TO MASSIVE SUBVOLCANIC BODIES, GLOMEROPORPHYRITIC FELDSPAR AND QUARTZ EYES COMMON.
  - Mvb — MASSIVE-AMYGDALOIDAL BASALT FLOWS; HYALOCLASTITE DEBRIS FLOWS (Mvbb); PILLOW BASALT (Mvbp)

EASTERN ASSEMBLAGE

PERMIAN

- Ptc — DEFORMED CHLORITIC TUFFS AND METAVOLCANICS, INTERBEDDED TUFFACEOUS AND SILICEOUS SILTSTONES AND NUMEROUS THIN BEDDED RECRYSTALLIZED LIMESTONES.
- Pc — LIMESTONE; BIOCLASTIC, MEDIUM-BEDDED, RECRYSTALLIZED, WHITE TO BUFF, SPARSELY CRINOIDAL CALCARENITE WHICH LOCALLY IS COMPLETELY RECRYSTALLIZED TO COARSE CALCITE

PERMIAN AND OLDER

- Pms — METASEDIMENTS AND MINOR LIMESTONE; SILTSTONES ARE GREY TO LIGHT GREEN, PHYLLITIC AND INTERLAYERED WITH GRAPHITIC ARGILLITE AND SILICEOUS PHYLLITE AND THIN LENSES OF DARK BROWN LIMESTONE; GREEN AND WHITE SILICEOUS TURBIDITE COUPLETS AND CHERTY TUFFS (Pmsg) OCCUR HIGH IN THE STRATIGRAPHY.
- Pc — LIMESTONE; RECRYSTALLIZED, THIN BEDDED TO MORE COMMONLY MASSIVE, WHITE TO BUFF COLOURED.
- Pmv — MAFIC TO FELSIC METAVOLCANICS, RARE LIMESTONE LENSES; VARIABLY FOLIATED TO SCHISTOSE, PURPLE TO DARK GREEN PLAGIOCLASE PORPHYRITIC FLOWS AND TUFFS.

LOWER DEVONIAN

- lDc — DEFORMED CORALLINE LIMESTONES; LESSER INTERBEDDED PEBBLE CONGLOMERATE, SILICEOUS AND CARBONACEOUS SHALES AND BOTH MAFIC AND FELSIC TUFFS.

INTRUSIVE ROCKS

CRETACEOUS AND YOUNGER (?)

- Kp — PLAGIOCLASE QUARTZ PORPHYRY; OCCURS AS SMALL PLUGS AND DYKES INTRUDING NORTH TRENDING FAULTS, PYRITIC AND OXIDIZED TO YELLOW AND RED GOSSANS.

JURASSIC AND YOUNGER(?)

- Jg — BIOTITE GRANITE; PINK, COARSE TO MEDIUM GRAINED, EQUIGRANULAR TO 'QUARTZ EYE' PORPHYRITIC, LESS COMMONLY HORNBLENDE IS THE MAFIC CONSTITUENT; QUARTZ EXCEEDS 30 PERCENT, QUARTZ RICH PHASES (50 PER CENT) ARE SPATIALLY RELATED TO FAULT STRUCTURES
- Jqm — HORNBLENDE QUARTZ MONZONITE TO MONZONITE; COARSE TO MEDIUM GRAINED, HORNBLENDE AVERAGES 20 PERCENT AS 5 MILLIMETRE CRYSTAL LATHS AND PONKILITIC CLOTS, BIOTITE WHERE PRESENT IS FINE GRAINED AND LESS THAN 5 PERCENT.
- Jd — HORNBLENDE DIORITE, HORNBLENDE QUARTZ DIORITE; HORNBLENDE IS CHLORITIC AND COMPRISES MORE THAN 40 PERCENT OF THE ROCK.

MIDDLE(?) JURASSIC

- Jdl — DIORITE TO GABBRO; COARSE GRAINED, OCCURS AS STOCKS AND SILLS, PLAGIOCLASE CRYSTALS ARE EUHEDRAL TO SUBHEDRAL ACICULAR CLOTS WHICH IMPART A DISTINCTIVE FELTY INTERLOCKING TEXTURE, THESE SUBVOLCANIC INTRUSIONS MAY REPRESENT FEEDERS TO THE PILLOW BASALTS (Jvb)

EARLY JURASSIC

- eJm — HORNBLENDE-PLAGIOCLASE-PORPHYRITIC MONZONITE; OCCURS AS DYKES, SILLS AND PLUGS CHARACTERIZED BY A HEMATITIC GROUNDMASS, ALTERED WITH PINK SUBHEDRAL TO EUHEDRAL PLAGIOCLASE (UP TO 50 PERCENT) AND HORNBLENDE CRYSTALS, TRACHYTIC TEXTURES ARE COMMON, STRONGLY MAGNETIC.
- eJg — HORNBLENDE BIOTITE POTASSIUM FELDSPAR MEGACRYSTIC GRANITE.

AGE UNKNOWN

- qd — HORNBLENDE QUARTZ DIORITE; MEDIUM GRAINED, LOCALLY FOLIATED AND ALTERED, CONTAINS IRREGULAR MAFIC INCLUSIONS (UP TO 100 CENTIMETRES) OF AMPHIBOLITES.
- d — ALTERED DIORITE
- DYKES — a) APHYRIC ANDESITE AND BASALT; pp) MAFIC PLAGIOCLASE PHYRIC; l) LAMPROPHYRE; r) RHYOLITE/APLITE

MAP SYMBOLS

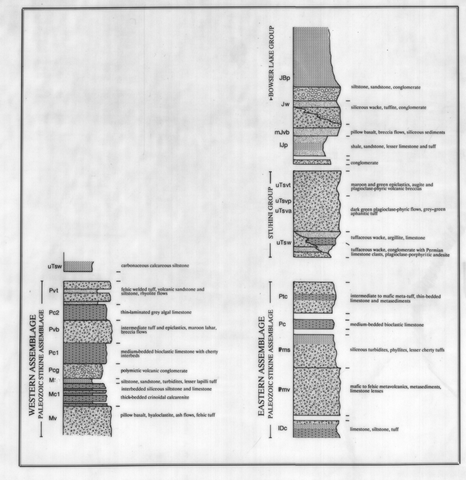
- Geological contact (defined, approximate, assumed)
- Unconformable contact (defined, assumed)
- Bedding (horizontal, inclined, overturned)
- Foliation
- Fault (observed, inferred)
- Thrust or high angle reverse fault (defined, assumed)
- Anticline (direction of plunge indicated)
- Syncline (direction of plunge indicated)
- Minor fold axis
- Joint
- Dyke
- Vein
- Outcrop visited

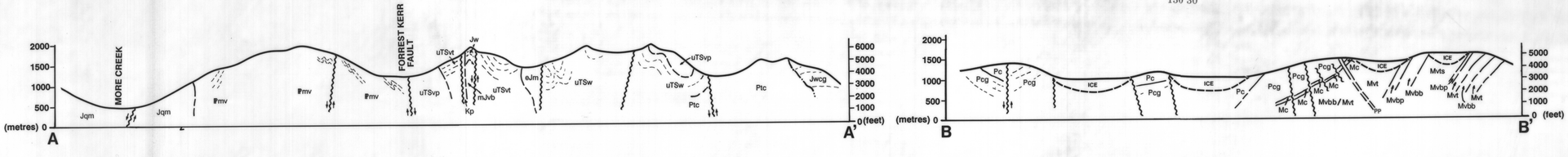
CONTOUR INTERVAL ..... 100 FEET
ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL
NORTH AMERICAN DATUM 1927
TRANSVERSE MERCATOR PROJECTION

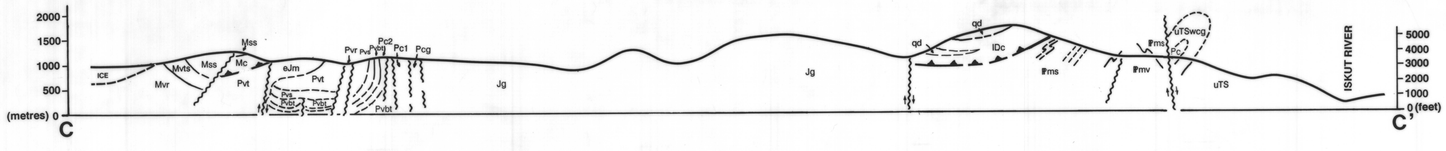
The 1974 MAGNETIC BEARING is 30°54' (535 mils) EAST of GRID NORTH.
ANNUAL CHANGE DECREASING 3.4'
GRID NORTH is 1°38' (26 mils) WEST of TRUE NORTH for centre of map.

CASSIAR LAND DISTRICT
BRITISH COLUMBIA
Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Yarges







Additional information from: Read, P.B., Brown, R.L., Psutka, J.F., Moore, J.M., Journeay, M., Lane, L.S. and Orchard, M.J. (1989): Geology of Parts of Snippaker Creek (104B/10), Forrest Kerr Creek (104B/15), Bob Quinn Lake (104B/16), Iskut River (104G/1), and More Creek (104G/2); *Geological Survey of Canada*, Open File 2094.

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GEOLOGICAL SURVEY BRANCH

OPEN FILE 1990-2 (SHEET 2 OF 2)
REVISED MARCH 1990

GEOLOGY, GEOCHEMISTRY AND MINERAL OCCURRENCES OF THE FORREST KERR - ISKUT RIVER AREA, NORTHWESTERN BRITISH COLUMBIA

NTS 104B/15 AND PART OF 104B/10

JAMES M. LOGAN, VICTOR M. KOYANAGI, JOHN R. DROBE

TABLE 1990-2-1 : ASSAY AND GEOCHEMICAL RESULTS FOR THE FORREST KERR CREEK/ISKUT RIVER MAP AREA 104B/15 AND PART OF 104B/10

MAP NO.	UTM EAST	UTM NORTH	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	SAMPLE DESCRIPTION
G1	396000	6295620	2	0.3	349	3	36	5	2	grab, 15 cm qtz vein, tr. ml
G2	396190	6295970	34	0.3	166	3	20	14	0.6	grab, 100 m qtz stwk
G3	396300	6295870	16	3	0.14%	3	74	19	0.7	grab, qtz vein with ml
G4	396300	6295870	6	0.3	352	3	17	20	0.5	20 m chip, qtz stwk tr. cpy
G5	396220	6295670	2	0.3	10	3	37	7	0.6	grab, qtz-py stwk
G6	395880	6295600	67	0.3	10	3	9	2	1	grab, 3 m qtz-carb stwk
G7	395680	6295660	436	0.3	289	3	36	6	0.6	grab, veinlets with ml+cpy+mgnt
G8	385325	6305714	34	32	200	0.30%	0.57%	0.55%	169	grab, diss sulphides in lmst
G9	385201	6305501	2	0.5	6	2	57	9	1	qtz-carb veinlets
G10	392750	6309520	2	0.5	8	4	27	15	2	diss py grnt
G11	394060	6310300	2	0.5	9	4	29	3	1	grab, qtz-carb veinlets with py
G12	391400	6307610	5	0.5	7	4	38	2	1	grab, qtz-carb veinlets with py
G13	399000	6308650	2	0.5	135	4	43	1	0.6%	qtz-carb veins
G14	398880	6308300	9	0.5	8	4	11	1	1	oxidized pyritic aplite dyke
G15	398919	6308201	9	0.5	0.46%	4	57	6	0.8%	qtz-carb vein w/cpy+py+ml
G16	389000	6299000	32	0.5	17	10	50	3	1	hematized grnt
G17	398787	6317120	1395	0.5	0.41%	4	16	1	0.6%	grab, 1-10 cm qtz veinlets, tr. cpy+ml
G18	388995	6302752	997	3	0.48%	4	59	4	1	grab, 2 cm qtz veinlets, diss cpy+ml+az
G19	382280	6303100	72	0.5	22	4	16	6	0.5%	qtz-carb-py vein
G20	376800	6295400	2	5	9	104	126	210	37	grab, narrow oxidized qtz veinlets
G21	376800	6295400	2	2	3	457	450	20	163	grab, mg-skarn
G22	377000	6295400	2	18	59	0.28%	0.27%	337	122	grab, oxidized mg-skarn
G23	377000	6295180	2360	0.5	9	4	10	14	4	massive and drusy qtz veins + py
G24	393140	6297060	2	0.5	10	3	85	5	5	qtz+py stwk, cross cuts dyke swarm
G25	394370	6297350	5	0.5	4	3	10	1	0.9%	chl-altered, sheared grnt
G26	386610	6313060	2	0.5	19	3	35	3	1	oxidized rhyolite
G27	388250	6314700	2	0.5	22	19	404	3	3	oxidized, silicified-pyritic flow brcc
G28	398180	6312560	2	0.5	720	3	14	3	2	grab, qtz stwk+py+cpy+ml
G29	380590	6290130	592	1.1	0.12%	6	70	2	1	qtz-epid-py veinlets
G30	393760	6289660	4	0.3	7	3	17	9	2	silicified and oxidized slsn
G31	383300	6290200	2	0.3	74	3	57	2	0.6	grab, silicified-pyritized tuff
G32	401117	6317065	2	0.5	8	19	4	8	2	silic and argillic alt, py to 5%
G33	400940	6317194	6	0.5	4	62	1	14	2	oxidized, argillic and silic alt
G34	400433	6317335	2	73	0.2%	730	557	441	250	silicified, ml+az+ tr. gln
G35	388940	6314772	2	0.5	32	2	66	6	2	qtz-carb-barite veins
G36	394280	6313800	15	0.5	4	4	78	1	0.8%	grab, qtz-carb-py vein
G37	391990	6311990	2	0.5	120	10	62	8	1	pyritic felsic volcanic
G38	394040	6313440	62	0.5	73	4	77	5	7	chip, 1 m, qtz-ankerite vein
G39	398110	6303360	2	0.5	21	4	20	3	1	qtz-carb alt dort, cpy+py
G40	397950	6296260	2	0.5	0.28%	4	95	3	2	alt andt, 1% diss py
G41	391800	6296940	2	2	0.33%	4	58	1	0.5%	qtz stwk diss cpy+py
G42	388870	6318310	191	2	140	16	38	120	2	qtz-carb alt qtz vein
G43	388970	6319210	2	2	71	10	119	12	1	pyritic tuff
G44	388970	6319210	9	3	84	6	74	63	3	pyritic tuff
G45	387880	6303100	2	1	380	22	64	4	1	pyritic sheared dort
G46	385620	6310980	72	0.5	81	4	282	2	3	carb veinlet
G47	385190	6310880	1152	0.5	43	10	338	5	7	oxidized, carb-alt fault zone
G48	395730	6291580	2	0.5	2	3	2	1	0.5%	1 m chip, massive-bull qtz veins
G49	395810	6291550	300	3	0.82%	3	13	158	4	fault brcc, cpy+py+po
G50	394390	6291840	4	0.5	98	31	108	33	9	pyritic slsn/tuff
G51	389660	6310430	2	24	0.98%	6	50	21	5	grab, py+cpy in calcareous shear
G52	396570	6292200	36	0.6	810	3	10	7	1	chip, 0.35 m qtz vein tr. ml
G53	396570	6292200	2	0.5	373	3	5	2	0.7	chip, 1.0 m qtz vein tr. ml
G54	396100	6291470	2	0.3	66	4	58	63	6	oxid fractured py tuff
G55	380570	6300700	2	0.3	38	3	53	10	2	qtz-carb-py alt bslt
G56	386720	6303720	2	125	510	24	5.88%	49	456	grab sph+barite vein filling lmst
G57	388860	6308580	5	6	0.35%	162	660	0.13%	680	ankerite alt lmst, cpy+aspy
G58	388870	6308390	2	0.8	86	18	161	47	12	ankerite alt lmst
G59	389120	6308920	16	0.8	164	96	0.14%	81	16	grab, silic fault brcc diss sph+py
G60	389120	6308920	9	0.866	183	42	133	129	40	grab, silic fault brcc
G61	396760	6301860	2	0.8	72	6	74	2	0.9%	carb- and sericite-alt, parralels S_1
G62	402569	6314247	91	1.1	0.40%	33	161	15	2	py felsic dykes, diss cpy+ml
G63	402912	6314068	4	0.5	5	2	80	7	2	8 m wide argillic alt zone
G64	394300	6291175	2	0.3	109	30	114	33	8	pyritic felsic tuff
G65	406250	6317150	2	0.3	2	7	10	59	3	pyritic qtz-feldspar porphyry
G66	394000	6310340	2	0.5	6	4	27	11	6	hematized, fractured tuff
G67	387850	6310900	2	0.5	3	16	28	1	0.5%	oxidized qtz-carb-alt andt
G68	405200	6303500	2	0.5	169	28	269	8	3	pyritic shale 1-2% diss py
G69	403990	6315350	78	0.5	58	12	72	15	2	oxidized shear zone, grab
G70	389450	6305300	118	0.5	66	4	49	9	2	oxidized qtz-carb vein, grab
G71	389250	6305450	102	2	208	4	33	19	153	qtz vein w/ pyritic alt envelope
G72	379360	6298470	15	7	720	0.34%	700	200	7	hornfelsed slsn, py
G73	388350	6304400	619	3	61	4	22	5	3	0.3 m qtz-carb vein, grab
G74	388350	6304400	2	0.5	13	4	35	5	7	0.4 m qtz-carb vein, grab
G75	384440	6297230	2	0.5	110	12	72	9	2	massive pyrite lenses in tuff
G76	383900	6296540	2	0.5	0.14%	16	73	93	7	qtz vein massive mgnt+cpy+po
G77	393262	6295067	6	2	30	11	47	233	80	limonitic py stwk
G78	394740	6295430	11	0.5	139	14	98	195	13	grab, hornfelsed slsn, py
G79	380920	6287960	18	0.3	150	6	54	25	2	grab, oxidized 5cm shear zone
G80	392650	6289620	2	0.4	246	9	320	1	0.6	oxidized qtz-carb veins
G81	392650	6289320	2	0.3	170	3	110	3	1	pyritic dort dyke, 5% py
G82	384490	6290550	2	0.3	71	7	47	3	0.8	grab, oxidized pyritic andt
G83	380280	6313910	4	0.5	33	4	111	21	3	grab, qtz-carb veinlets
G84	389460	6306910	37	1	194	2	82	77	36	qtz-chl-carb veins + stwk
G85	389220	6306870	2	0.5	26	2	32	4	6	grab, barite-carb veins
G86	400067	6316678	2	0.5	63	4	81	85	4	oxidized fault zone, no vis. sulphides
G87	399207	6315836	2	0.5	11	2	25	1	2	grab, qtz-carb vein, sericite alt
G88	387259	6314104	126	1	0.27%	19	50	6	1	grab, narrow oxidized pyritic shear
G89	402304	6312587	2	0.5	135	19	84	21	15	pyritic sheared andt
G90	401717	6312502	2	0.5	75	17	107	25	3	pyritic silicified andt
G91	377519	6305966	2	208	2.5%	12	0.37%	0.32%	1.01%	grab, qtz-carb stwk cpy+sph+py+ml

Abbreviations: qtz= quartz, carb= carbonate, py= pyrite, cpy= chalcopyrite, sph= sphalerite, po= pyrrhotite, mgnt= magnetite, ml= malachite, az= azurite, aspy= arsenopyrite, gl= galena, stwk= stockwork, alt= alteration, brcc= breccia, dort= diorite, bslt= basalt, grnt= granite, andt= andesite, lmst= limestone.

ANALYTICAL PROCEDURES

SAMPLE PREPARATION:
Samples are pulverized to approximately 200 mesh using tungsten carbide equipment.

TRACE ELEMENT ANALYSIS: Ag, Cu, Pb, Zn, As, Sb
Samples (usually 0.5 grams) are digested in Teflon beakers using a mixed acid attack which includes HF. A dilute dissolution of the residue is then diluted to a specific volume and the elements measured using atomic absorption spectroscopy. As and Sb were determined by atomic absorption using a hydride evolution method wherein the hydride (AsH_3 or SbH_3) is evolved, passed through a heated quartz tube in the light path of an atomic absorption spectrometer. Background corrections were made for Pb, As and Sb.

TRACE ELEMENT ANALYSIS: Au
A 20 gram sample is concentrated into a silver bead by the classical fire assay method. The bead is dissolved by aqua regia and gold determined by graphite furnace atomic absorption spectroscopy.

TABLE 1990-2-3 : MICRO AND MACRO FOSSIL COLLECTION DATA FOR THE FORREST KERR CREEK/ISKUT RIVER MAP AREA 104B/15 AND PART OF 104B/10

MAP NO.	UTM EAST	UTM NORTH	STRAT* UNIT	FAUNA** MICRO/MACRO	AGE	IDENTIFIER
F1	384400	6324060	lDc	stromatoporoid, Favosites sp. coral	Ordovician - middle Devonian	4
F2	400080	6316670	lJp	conodont	barren	
F3	400125	6315425	uTSvp	conodont**	late Paleozoic or younger	2
F4	383420	6313850	Mc	conodont	Early Carboniferous	2
F5	398600	6314630	Pmv	conodont	barren	
F6	383520	6313600	Mc	colonial coral, (?)Fomichevella sp., foraminifers	middle Carboniferous, late Visean(?) to Bashkirian, possible mixed reworked fauna	1
F7	402120	6314400	uTSw	conodont	Permian	2
F8	398870	6314300	Pc	conodont	barren	
F9	398700	6314200	Pc	conodont**	Pennsylvanian or Early Permian	2
F10	378940	6313910	Mc	micro - in progress		
F11	378926	6313898	Mc	lithostrotionid coral, foraminifers	middle Carboniferous, Serpukhovian or Bashkirian	1
F12	383420	6313840	Mc	rhynchonellid brachiopod, Chaetetes sp., colonial coral Acrocyathus	late Early Carboniferous, late Visean or Serpukovian	1
F13	383500	6313690	Mc	conodont	Mid to Late Mississippian	2
F14	380400	6313690	Mc	conodont	Early Carboniferous, prob Visean	2
F15	380250	6313680	Mc	fusulinacean foraminifers	Pennsylvanian, Permian	2
F16	380150	6313570	Pc	foraminifers (not yet studied)	probable middle Carboniferous, late Visean to Bashkirian	1
F17	380150	6313350	Pc1	conodont	indeterminate, ramiforms	2
F18	401130	6313330	Jwcg	conodont	barren	
F19	401130	6313330	Jwcg	conodont	barren	
F20	383540	6313300	Mss	micro - in progress		
F21	383540	6313300	Mc	conodont	Late Mississippian? to Early Permian	2
F22	383540	6313280	Mc	spiriferid brachiopods, foraminifers (not yet studied)	probably middle Carboniferous, Visean to Bashkirian	1
F23	392000	6312000	Pc	conodont	barren	
F24	381750	6312500	Pc1	conodont	barren	
F25	382190	6312460	Pcg	colonial coral, foraminifers	middle Carboniferous, Serpukhovian or Bashkirian	1
F26	381190	6309900	Pc1	conodont	barren	
F27	380810	6309795	Pc1	macro - in progress		
F28	402500	6310670	uTSw	micro - in progress		
F29	403280	6310191	uTSw	bivalve casts Palaeocardita(?) sp.	probably upper Triassic	3
F30	403260	6310170	uTSw	micro - in progress		
F31	403380	6310160	uTSw	micro - in progress		
F32	404050	6310050	uTSw	conodont**	late Triassic, Early Norian	2
F33	403500	6309850	uTSw	conodont**	late Paleozoic or younger	2
F34	380560	6309800	Pc1	fusulinacean foraminifers	Permian, Artinskian or younger	1
F35	380560	6309800	Pc1	echinoderm columnals	indeterminate	1
F36	404250	6309775	uTSw	macro**	Late Triassic	3
F37	406040	6309700	lJp	conodont	barren	
F38	399700	6308950	Pmv	conodont**	Middle Devonian or Early Mississippian	2
F39	389090	6308830	uTSw	trace fossils	indeterminate	1
F40	402900	6308800	uTSw	conodont**	late Paleozoic or younger	2
F41	388420	6308720	Pc1	conodont	Early Permian, Artinskian	2
F42	388950	6308510	Pc1	conodont	barren	
F43	388870	6308390	Pc1	pyritized colonial coral	middle Carboniferous(?) to early Permian	1
F44	404210	6308210	uSTvt	conodont	barren	
F45	387950	6308200	uTSw	belemnoids sp. indeterminate	indeterminate	1
F46	403900	6307700	uTSw	conodont**	Late Triassic, Carnian	2
F47	401810	6307250	Ptc	brachiopods (?)	indeterminate	1
F48	401810	6307240	Ptc	conodont	barren	
F49	378940	6307180	Pc1	conodont	barren	
F50	387840	6307160	Pc1	conodont	late Mississippian - Early Permian	2
F51	407300	6306960	Ptc	micro - in progress		
F52	401490	6306930	uTSw	conodont	barren	
F53	402400	6306900	uTSw	conodont**	Late Triassic, Late Carnian	2
F54	389220	6306870	Mc	conodont	barren	
F55	389220	6306870	Mc	conodont	Early Carboniferous, prob. Visean	2
F56	388950	6306870	Mc	conodont	Late Mississippian	2
F57	388150	6306810	Pc1	conodont	Early Permian, Artinskian	2
F58	388050	6306500	Pc	conodont	Early Permian, Artinskian	2
F59	388180	6306500	Pc	Neospirifer sp., fusulinacean foraminifers	Late Carboniferous or Permian	1
F60	388180	6306470	Pc	conodont	Early Permian, Artinskian	2
F61	388180	6306470	Pc	fusulinacean foraminifers, bothrophyllid coral	Permian	1
F62	378150	6306420	Pc1	conodont	barren	
F63	378136	6306409	Mc	colonian coral Acrocyathus sp., foraminifers	late Early Carboniferous, late Visean or Serpukhovian	1
F64	387900	6305600	uTSw	Halobia sp. indeterminate	Upper Triassic, probably Carnian	3
F65	381958	6305419	Mss	conodont	Early Middle Carboniferous	2
F66	381300	6305380	Mss	burrows	indeterminate	1
F67	384580	6305260	Mc	conodont	barren	
F68	387950	6305200	uTSw	Halobia sp. indeterminate, crushed belemnoids	Upper Triassic, probably Carnian	3
F69	386950	6305010	Pc2	conodont	barren	
F70	386900	6304920	Pc2	macro - in progress		
F71	386900	6304910	Pc2	conodont	barren	
F72	384060	6304100	Pc1	conodont	barren	
F73	386700	6304080	Pc2	conodont	barren	
F74	386320	6303760	Pc2	conodont	barren	
F75	386320	6303760	Pc2	conodont	barren	
F76	386320	6303750	Pc2	(?)hydrozoans	indeterminate	1
F77	384240	6303720	Pc2	conodont	barren	
F78	386720	6303720	Pc1	conodont	barren	
F79	386720	6303720	Pc1	echinoderm columnals, rare foraminifers (not yet studied)	middle Carboniferous to Early Permian	1
F80	402900	6303600	Ptc	conodont**	probably Permian (?Early)	2
F81	385960	6302220	Pc1	macro - in progress		
F82	384050	6303650	Pc1	conodont	barren	
F83	384580	6303000	Pc2	micro - in progress		
F84	385705	6301960	Pc1	macro - in progress		
F85	382540	6302900	Mc	conodont	Early to Middle Mississippian	2
F86	380960	6302840	Mc	conodont	frags, indeterminate	2
F87	380960	6302840	Mc	solitary corals (clasts)	(?)Late Carboniferous	1
F88	403500	6302600	Ptc	conodont**	Early Permian	2
F89	385595	6301430	Pc1	conodont	Early Permian, Artinskian	2
F90	385580	6301430	Pc1	productoid and spiriferid brachiopods, fusulinacean foraminifers	Early (?)Permian	1
F91	380970	6302010	Pcg	solitary coral, foraminifers (not yet studied)	probably middle Carboniferous	1
F92	381050	6301930	Pc	conodont	barren	
F93	382320	6301840	Mc	conodont	barren	
F94	382320	6301840	Mc	fusulinacean foraminifers	Early Permian	1
F95	382830	6300760	Pc2	micro - in progress		
F96	382750	6300720	Pcg	micro - in progress		
F97	382200	6300700	Pvs	conodont	barren	
F98	382200	6300700	Pvs	conodont	barren	
F99	396650	6300650	Pms	echinoderm columnals, solitary coral	indeterminate	1
F100	396520	6296100	Pms	conodont	barren	
F101	394720	6295440	lDc	tabulate coral Favosites sp.	Silurian or Devonian	1
F102	394740	6295430	lDc	conodont	barren	
F103	394740	6295430	lDc	conodont	barren	
F104	396340	6293800	Pms	conodont**	Early Permian	2
F105	396250	6293700	Pms	conodont**	Early Permian	2
F106	398150	6293200	uTSv	conodont**	Late Triassic, probably Early Norian	2
F107	398150	6292920	uTSv	conodont**	probably Triassic	2
F108	400850	6292400	Pc	conodont**	Early Permian, early Sakmarian	2
F109	394200	6291920	lDc	conodont	barren	
F110	394225	6291620	lDc	conodont**	middle Early Devonian, Pragian	2
F111	396680	6291310	Pc	conodont**	late Early Permian, late Artinskian	2
F112	396610	6291210	Pc	micro - in progress		
F113	400760	6291150	Jw	conodont**	probably no older than late Paleozoic	2
F114	402130	6290920	Jw	conodont**	Permo-Triassic probably late Triassic??	2
F115	396400	6290600	Pc	conodont**	Early Permian, late Sakmarian	2
F116	393580	6290520	lDc	conodont	barren	
F117	393600	6290350	lDc	conodont**	middle Early Devonian, Pragian	2
F118	392400	6289120	lDc	conodont	barren	
F119	380930	6288120	Pc	conodont	barren	

STRAT UNIT:
* For descriptions, see legend on sheet 1 of Open File 1990-2(this publication).

FAUNA:
** Data from: Read, P.B., Brown, R.L., Psutka, J.F., Moore, J.M., Journeay, M., Lane, L.S. and Orchard, M.J. (1989): Geology of Parts of Snippaker Creek (104B/10), Forrest Kerr Creek (104B/15), Bob Quinn Lake (104B/16), Iskut River (104G/1), and More Creek (104G/2); *Geological Survey of Canada*, Open File 2094.

FAUNA IDENTIFICATION:
1 = E.W. Bamber, Preliminary identifications, Report in press; ISPG, G.S.C. Calgary, Alberta.
2 = M.J. Orchard, Report in press; G.S.C. Vancouver, British Columbia.
3 = E.T. Tozer, Report Tr 10 ETT 1989; G.S.C. Ottawa, Ontario.
4 = B.S. Norford, Report No. S 4 1989 BSN; ISPG G.S.C. Calgary, Alberta.

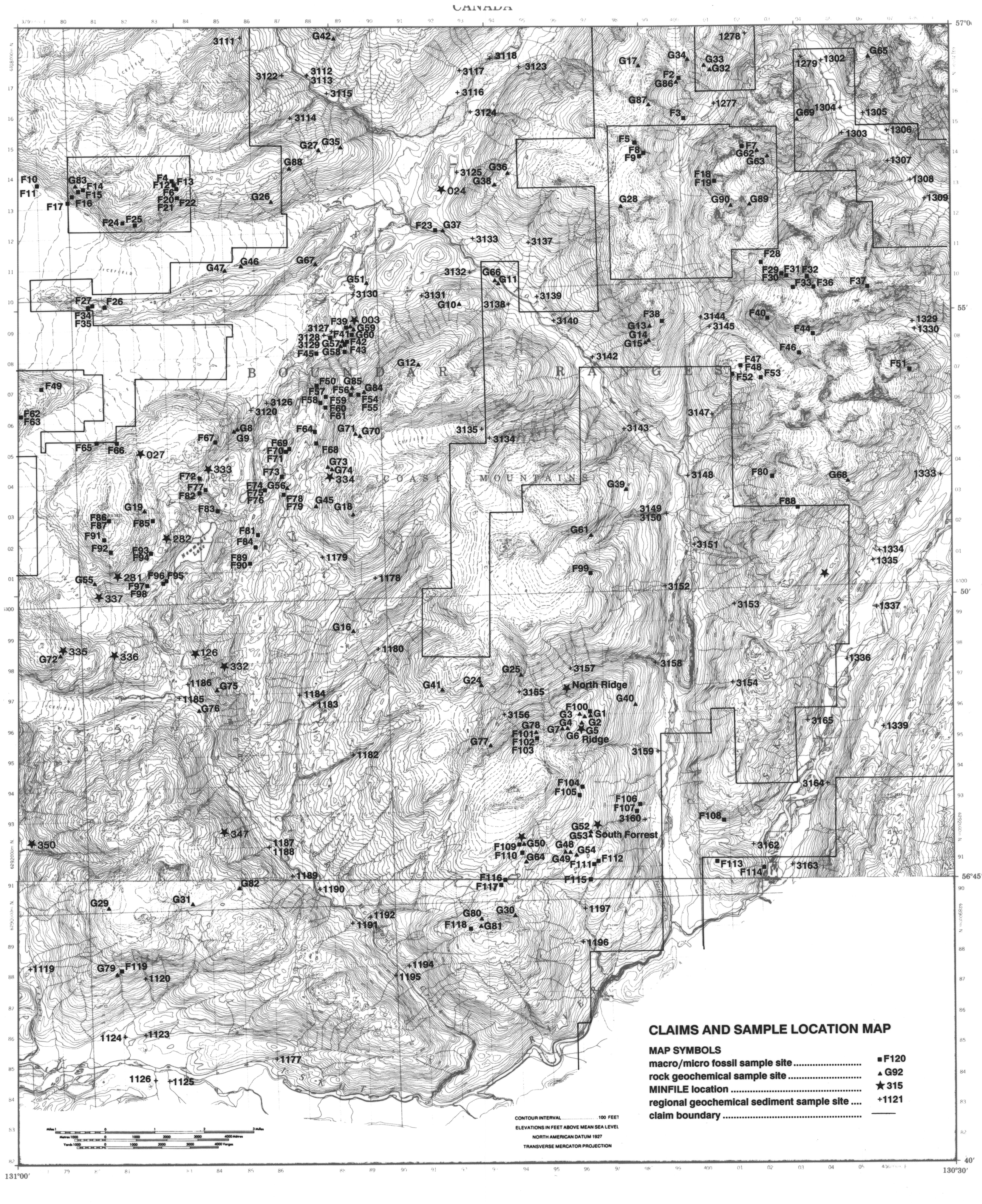

TABLE 1990-2-2 : REGIONAL GEOCHEMICAL SURVEY STREAM SEDIMENT SAMPLES FOR THE FORREST KERR CREEK/ISKUT RIVER MAP AREA 104B/15 AND PART OF 104B/10

ID No.	UTM EAST	UTM NORTH	ROCK UNIT	Cu	Au1	Ag	Pb	Zn	Ba	Ni	Co	Mo	Sn	W	F	U	As	Sb	Hg
RECENT VOLCANICS (n=3)																			
871176	394679	6282617	Rvb	44	17	0.1	9	58	1100	6	12	2	3	3	560	3.0	11	0.5	5
871199	399336	6284991	Rvb	51	5	0.3	7	102	550	39	20	3	1	2	360	1.5	10	0.4	20
871170	394128	6282431	Rvb	44	53	0.2	14	165	1200	11	12	2	2	3	540	3.8	9	0.2	5
JURASSIC HAZELTON GROUP (n=16)																			
873212	406436	6283102	JKs	40	1	0.2	15	140	980	94	20	3	2	3	360	2.5	15	0.9	160
873211	406473	6283476	JKs	36	4	0.1	11	146	890	100	18	2	1	6	330	2.1	9	0.7	130
873164	404212	6293516	JKs	60	1	0.3	13	340	1100	130	20	4	2	3	500	3.2	11	1.6	95
871203	404069	6285706	JKs	49	10	0.2	15	220	1100	101	20	4	1	3	320	3.4	26	4.1	110
871339	406139	6295361	JKs	30	3	0.2	8	127	960	80	16	1	2	3	260	2.0	10	0.2	85
873213	405726	6283169	JKs	39	1	0.1	9	120	840	57	22	2	2	3	320	1.5	5	0.4	65
873214	404923	6284352	JKs	54	3	0.2	14	225	1300	108	17	3	1	4	470	2.9	13	1.6	125
871204	402941	6289188	JKs	50	3	0.1	16	200	1200	105	23	3	1	3	440	2.7	18	2.2	105
871305	406093	6315373	Jp	70	10	0.4	20	238	1400	37	13	7	4	2	530	3.0	23	1.8	120
871304	405382	6315574	Jp	46	5	0.4	14	182	1200	22	11	5	1	2	380	3.0	21	1.6	250
871303	405208	6314679	Jp	71	3	0.2	8	121	750	20	16	2	2	3	260	1.5	18	0.6	40
871302	404698	6317080	Jp	43	7	0.3	11	170	1000	39	16	3	2	2	520	2.2	24	0.8	125
871200	403448	6281919	lJv	77	6	0.1	20	254	970	33	18	3	1	3	400	2.0	8	0.2	10
871174	397666	6282127	lJv	46	13	0.1	7	110	460	16	14	4	4	2	390	3.3	8	0.2	25
871173	396769	6281439	lJv	59	205	0.1	6	67	890	10	19	3	3	3	520	2.7	26	0.2	15
871202	402393	6282879	lJv	37	15	0.1	4	54	880	5	13	2	1	2	440	2.3	19	0.1	5
UPPER TRIASSIC STUHINI GROUP (n=47)																			
871126	382006	6284537	Ts	95	7	0.3	21	166	1000	48	22	4	1	4	500	2.5	30	2.0	55
871112	379838	6282913	Ts	110	81	0.6	31	152	1000	77	23	3	3	2	560	2.1	33	3.3	45
871125	382501	6284520	Ts	55	174	0.3	12	106	980	42	15	3	1	5	380	3.9	16	0.5	45
871111	378304	6282920	Ts	106	15	0.7	23	137	1000	68	22	4	2	3	540	2.1	33	3.0	40
871334	406188	6301066	uTs	65	7	0.4	7	200	1100	32	18	3	2	2	400	1.6	25	1.8	70
871330	407602	6308177	uTs	53	8	0.2	7	81	1400	16	14	3	1	3	530	2.0	32	0.8	70
871337	406056	6299050	uTs	62	8	0.4	8	220	1100	40	20	3	2	4	350	1.6	25	1.8	70
871310	408532	6312060	uTs	50	5	0.3	10	254	1000	104	23	3	2	3	260	2.3	25	0.9	180
871309	407947	6312641	uTs	51	3	0.3	10	410	1100	92	18	5	2	2	300	3.1	22	1.8	105
871308	407597	6313141	uTs	62	24	0.3	10	94	1400	24	16	4	3	2	440	2.3	35	0.7	140
871307	406878	6313804	uTs	40	6	0.2	8	137	780	48	18	3	2	3	280	2.7	10	0.4	95
871306	406894	6314730	uTs	76	24	0.4	14	158	1500	30	18	7	2	2	570	2.9	30	1.8	185
871329	407601	6308475	uTs	48	11	0.2	12	100	1200	20	13	2	1	3	360	2.6	19	2.0	90
871333	408297	6303521	uTs	64	4	0.3	12	140	880	13	16	2	2	2	310	1.3	9	0.4	60
871335	406012	6300768	uTs	42	2	0.3	6	189	440	86	40	3	1	2	210	1.6	58	6.0	155
871119	378006	6288275	uTsv	105	45	0.2	10	113	930	12	20	8	2	3	280	3.0	5	0.5	25
871120	381747	6287870	uTsv	119	31	0.3	11	110	930	11	20	13	2	3	350	2.8	6	0.5	30
871123	381691	6286013	uTsv	31	7	0.1	16	170	890	21	11	8	1	3	300	20.8	11	0.5	60
871124	381006	6285966	uTsv	73	9	0.2	8	80	620	10	17	3	1	4	280	2.8	5	0.5	10
873139	395254	6309661	uTvd	64	6	0.1	9	79	1400	20	16	2	1	4	480	2.7	48	1.4	35
873140	395599	6308839	uTvd	79	2	0.1	13	105	710	26	19	4	1	4	390	3.6	48	2.0	25
873142	396935	6307753	uTvd	68	7	0.1	2	64	420	19	19	1	1	2	150	1.6	6	0.5	55
873138	394444	6309405	uTvd	136	3	0.1	1	53	300	10	22	3	1	3	190	0.4	38	0.4	40
873144	400645	6308831	uTvd	57	2	0.2	16	118	1100	28	16	1	1	2	370	1.8	19	1.6	30
873145	400925	6308521	uTvd	62	15	0.1	6	90	1100	20	15	3	1	3	410	1.5	39	0.6	60
873147	400904	6305675	uTvd	45	8	0.1	9	95	1000	24	15	4	1	3	440	2.6	17	1.0	70
873148	400023	6303732	uTvd	82	11	0.1	5	115	900	34	24	6	1	2	570	1.7	19	0.8	100
873149	399337	6302494	uTvd	49	487	0.1	2	50	910	13	13	1	1	2	240	1.8	15	0.6	10
873143	398008	6305323	uTvd	46	4	0.1	1	40	420	12	13	2	1	2	170	1.1	6	0.2	5
873150	399337	6302494	uTvd	60	9	0.1	2	49	920	14	13	1	1	2	230	1.5	13	0.5	10
873116	392815	6316340	uTvd	62	2	0.1	9	99	390	12	13	1	2	2	310	1.2	6	0.4	30
873137	395051	6311436	uTvd	92	8	0.1	13	190	1000	42	22	6	1	4	500	3.0	77	5.8	90
873154	401316	6296713	uTvd	30	1	0.1	10	192	720	37	13	4	4	3	240	3.3	8	0.8	120
873124	393280	6315740	uTvd	57	3	0.1	4	56	1200	6	9	1	1	3	390	2.6	11	4.0	240
873123	394866	6317166	uTvd	47	1	0.1	4	78	450	13	11	1	1	3	330	1.2	5	0.4	20
873153	401446	6299490	uTvd	40	4	0.2	8	240	640	80	32	5	2	4	300	2.2	17	4.6	95
871279	404089	6317350	uTvd	59	65	0.2	10	158	1300	18	14	2	1	2	300	2.2	32	3.2	240
871278	402362	6318048	uTvd	62	5	0.2	9	106	1100	20	17	1	1	3	220	2.2	26	1.3	45
871277	401242	6315806	uTvd	68	13	0.2	8	118	1400	22	18	2	1	3	300	2.3	33	1.2	65
873162	401785	6291396	uTvd	58	6	0.3	13	220	920	90	22	3	1	2	380	2.3	15	1.2	125
873163	402959	6291185	uTvd	68	10	0.3	13	145	980	75	22	3	2	3	460	2.0	16	1.4	110
873132	393134	6310554	uTvd	91	3	0.1	8	135	850	15	14	2	1	3	270	1.6	17	1.2	100
873165	403584	6295384	uTvd	48	4	1.0	14	780	1100	36	14	7	1	2	440	3.9	55	10.0	325
873133	393269	6311613	uTvd	75	8	0.1	16	152	1400	22	12	5	1	3	310	7.3	42	3.4	110
873151	400190	6301470	uTvd	55	6	0.4	12	480	1200	44	20	5	1	3	390	2.5	24	4.4	105
873125	392793	6313786	uTvd	77	4	0.1	4	53	760	3	4	9	1	2	170	14.9	7	2.8	100
871336	405015	6297538	uTvd	57	7	0.3	10	130	950	71	20	2	1	2	380	1.8	22	0.8	135
873117	393015	6317064	CPsn	75	1	0.1	10	99	640	15	14	11	1	3	340	2.4	17	1.0	115
873111	386260	6318390	CPsn	93	1	0.1	3	93	370	22	20	1	1	4	240	0.6	6	0.4	15
INTRUSIONS (n=43)																			
873118	393946	6317416	JKqd	63	10	0.1	9	100	530	14	14	2	1	2	320	1.4	7	0.4	35
871177	385903	6285172	KTqm	15	3	0.1	8	92	990	10	7	5	4	5	380	77.5	4	0.2	110
871178	389714	6300729	KTqm	37	4	0.1	2	40	370	6	10	1	3	3	180	1.6	1	0.2	5
871179	388070	6301439	KTqm	148	17	0.2	7	106	480	12	25	9	1	2	280	2.8	9	0.7	70
871175	397455	6282696	KTqm	62	7	0.2	9	116	810	49	20	6	1	2	410	4.7	18	0.2	30
873160	398314	6292563	KTqm	48	8	0.1	4	76	950	13	12	2	1	2	340	2.1	11	0.9	100
871184	387097	6296954	KTqm	38	1	0.1	2	47	700	6	10	1	1	2	180	1.6	2	0.2	10
871180	389773	6298365	KTqm	30	5	0.1	2	38	780	5	9	1	1	2	160	2.1	2	0.5	5
871187	386203	6291753	KTqm	38	4	0.1	7	60	870	6	9	2	1	3	360	1.5	5	0.2	5
871192	389145	6289678	KTqm	19	15	0.1	2	57	1200	8	7	2	1	2	260	2.5	3	0.4	10
871189	386947	6290976	KTqm	57	7	0.2	12	115	1100	17	15	3	1	2	340	2.8	19	0.4	25
871190	387665	6290611	KTqm	24	16	0.1	4	56	1500	10	7	1	1	3	280	1.8	4	0.2	20
871191	388714	6289638	KTqm	38	14	0.2	5	75	860	17	11	5	1	2	300	5.9	9	0.4	25
871188	386203	6291753	KTqm	36	8	0.1	7	60	870	6	9	1	2	2	220	1.6	5	0.2	5
871194	390412	6288066	KTqm	158	14	0.3	9	108	960	28	24	4	1	3	400	4.4	30	0.4	10
871195	389842	6287893	KTqm	46	4	0.1	7	76	1100	10	13	2	1	3	260	1.3	21	0.4	35
871196	395995	6288644	KTqm	194	14	0.3	4	100	1200	42	28	3	1	4	380	2.4	25	0.6	15
871197	396130	6289734	KTqm	181	20	0.3	4	92	1200	39	26	3	1	3	340	2.1	23	0.8	15
871198	398867	6283316	KTqm	35	19	0.1	4	68	330	7	13	2	1	2	380	1.2	6	0.1	5
871186	383526	6297404	KTqm	62	5	0.2	8	82	1700	8	16	2	1	3	340	1.1	47	0.4	100
871185	383243	6296972	KTqm	71	63	0.4	12	104	1600	20	14	3	1	15	600	3.0	58	2.8	50
871182	388834	6294964	KTqm	22	1	0.1	2	50	860	8	5	1	1	3	240	2.9	1	0.2	5
871183	387586	6296652	KTqm	44	1	0.1	2	44	810	6	12	1	1	3	140	1.7	2	0.2	5
873159	398801	6294676	KTqm	90	5	0.3	8	90	2000	39	18	4	2	3	540	2.7	34	1.4	55
873126	386404	6306460	KTqm	12	8	0.1	3	44	710	1	7	1	1	3	230	2.7	5	0.4	30
873134	393661	6305066	KTqm	64	1	0.1	1	46	290	13	18	1	1	4	140	0.8	2	0.2	10
873135	393304	6305395	KTqm	57	2	0.1	1	47	250	10	18	1	1	5	150	0.5	2	0.5	15
873157	396045	6297569	KTqm	107	55	0.3	6	90	2400	31	23	4	1	3	570	3.1	41	2.4	25
873152	399212	6300160	KTqm	76	28	0.1	9	86	1400	18	21	3	1	3	420	1.8	31	1.1	25
873131	391488	6309807	KTqm	128	13	0.1	8	144	520	16	16	2	1	4	260	1.2	9	0.8	90
873112	388002	6316983	KTqm	170	7	0.3	6	92	880	24	24	5	1	2	250	2.3	35	0.6	35
873130	389333	6309869	KTqm	68	5	0.1	9	92	910	9	12	2	1	3	330	1.6	18	1.4	140
873155	394274	6296694	KTqm	19	1	0.1	2	36	1300	6	5	1	2	3	170	2.7	1	0.3	10
873128	388308	6308650	KTqm	29	3	0.1	3	54	990	4	8	2	1	2	330	1.7	10	0.7	65
873158	398873	6297605	KTqm	43	11	0.1	3	60	1500	12	11	1	3	3	240	2.4	9	0.6	10
873113	388002	6316983	KTqm	169	4	0.3	9	89	900	25	24	5	1	3	260	2.0	37	0.5	40
873129	388308	6308650	KTqm	23	3	0.1	3	54	970	4	7	1	1	2	320	2.0	10	0.8	130
873127	388569	6308725	KTqm	35	5	0.1	8	110	1900	4	10	1	1	3	570	2.4	21	3.7	140
873122	387171	6317126	KTqm	84	7	0.1	8	96	390	26	20	2	1	3	260	0.6	12	0.4	15
873120	385872	6306256	KTqm	24	17	0.1	5	48	440	4	9	1	1	4	280	1.6	6	0.5	60
873156	393851	6296065	KTqm	33	1	0.1	2	58	1400	9	9	1	1	4	230	1.9	3	0.5	5
873115	388681	6316529	KTqm	12	1	0.1	2	40	1200	3	4	1	2	3	240	2.3	2	0.1	5
873114	387397	6315808	KTqm	55	1	0.1	6	83	530	7	12	2	1	2	330	1.2	11	0.4	35

Data from National Geochemical Reconnaissance 1:250 000 Map Series, Iskut, Sumdum-Telegraph Creek and Tulsequah, British Columbia (NTS 104B, G, F and K), GSC Open File 1645 MEMPR BC RGS 18, GSC Open File 1646 /MEMPR BC RGS 19, GSC Open File 1647 MEMPR BC RGS 20, (1988).

Note: values in bold are 95th percentile or greater and underlined are 75th percentile or greater as calculated for the three RGS data sets above.

TABLE 1990-2-2a : REGIONAL STREAM SEDIMENT 75th AND 95th PERCENTILES FOR SELECTED ROCK UNITS OF 104B, G AND K.

UNIT		Cu	Au	Ag	Pb	Zn	Ba	Ni	Co	Mo	Sn	W	F	U	As	Sb	Hg
HAZELTON	75%	55	9	0.3	14	160	1200	106	19	3	3	3	410	2.9	22	1.6	130
(n=538)	95%	109	63	0.8	35	352	1700	141	27	8	5	4	570	5.0	95	5.4	300
STUHINI	75%	88	14	0.3	14	120	1100	41	20	3	4	3	380	3.1	21	1.6	90
(n=583)	95%	137	103	0.6	32	227	1614	91	30	6	8	5	530	8.2	64	4.6	220
STIKINE	75%	76	15	0.2	11	92	1100	36	17	3	3	3	420	3.4	18	1.0	30
(n=327)	95%	125	72	0.5	27	152	1484	92	25	6	13	5	620	13.2	63	4.5	110
INTRUSIONS	75%	54	11	0.2	13	80	1200	21	14	3	3	3	430	10.8	6	0.5	25
(n=610)	95%	149	65	0.5	41	146	1700	55	24	9	6	8	630	29.2	34	1.4	95

Note:
The entire Regional Geochemical Survey database for 104B, G and K was sorted on rock codes for the three groups above. The rock code assigned is based on the lithology at the sample site (based on 1:100 000 geology maps). It may not necessarily reflect the source lithology. Values tabulated are the 75th and 95th percentile for respective elements. Gold in ppb, all other values in ppm.

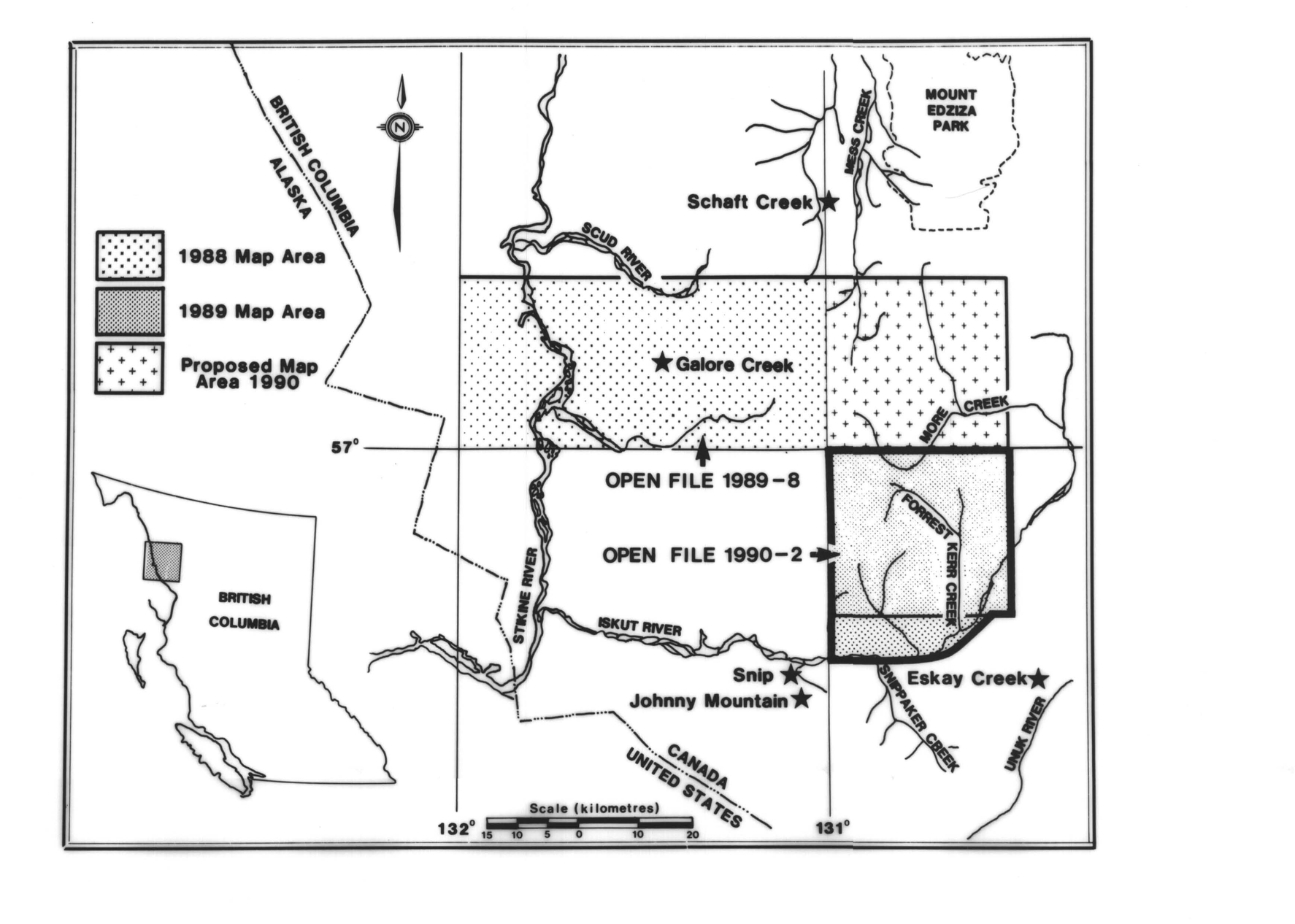

TABLE 1990-2-4 : MINFILE OCCURRENCES FOR THE FORREST KERR CREEK/ISKUT RIVER MAP AREA 104B/15 AND PART OF 104B/10

MINFILE No.	NAME	COMMODITY	DEPOSIT TYPE	DESCRIPTION
104B 003	Don,Don 12,Don 40	Cu,Ag,Au	SKARN	Skarn mineralization occurs near the contact between Permian limestone and a Jurassic(?) diorite intrusion; mineralization includes disseminated pyrite, chalcopyrite,and tetrahedrite.
104B 024	Mag	Fe,Cu	SKARN	Skarn mineralization occurs near the contact between Permian limestone and a Jurassic diorite intrusion; mineralization consists of massive magnetite with minor pyrite and chalcopyrite.
104B 027	Ken,Dirk,Glacier,Rope	Au,Cu	SKARN	Limey beds within a Permian volcanic/sedimentary package of rocks contains gold-bearing skarn mineralization consisting of garnet, epidote, magnetite, chalcopyrite, pyrite and possibly tetrahedrite; grab samples returned assay values to 33.7 grams per tonne gold.
104B 126	McLymont,Camp	Au,Ag,Cu	VEIN	Northwest-trending pyrite-chalcopyrite-quartz-carbonate-barite veins hosted by a quartz-rich granite.
104B 281	Northwest,Warrior 4	Au,Ag,Cu,Ba	SKARN	Mineralized zones consisting of barite, calcite, gypsum, coarse-grained magnetite, hematite, pyrite, chalcopyrite, sphalerite and galena occur as stratabound bands within chert layers and along bedding contacts between marble and chert; hostrocks are of probable Mississippian or Permian age.
104B 282	Gab 9,Gab 7,Warrior 7	Au,Ag,Cu	SHEAR-FAULT	A northeast-trending fault structure hosts gold-bearing sulphide and oxide material; 1988 diamond drilling reports indicate 900 metres in five holes.
104B 332	NE McLymont	Au,Ag	VEIN	Narrow auriferous quartz-pyrite veins cut a granitic intrusion; narrow rusty limonitic dikes of granite cut Permian and Mississippian stratified rocks; hornfelsed siltstone pendants within the granite body contain massive and disseminated pyrite and some sphalerite.
104B 333	Gab NW	Au	SKARN	Mineralization consisting of tetrahedrite, malachite and barite occurs along a northeast-trending fault thought to be an extension of the McLymont Northwest zone (MINFILE 104B 281); ten diamond holes totalling about 900 metres returned best assay value of 4.78 grams per tonne gold over an interval of 2.5 metres.
104B 334	Cuba,Gab 8	Ag,Pb,Zn,Ba,Cu	SKARN	Mineralization consisting of silver, sphalerite, galena and barite is found within a northeast-trending fault that cuts Permian limestone; seven best samples from two copper-barite areas returned values averaging 1023.0 grams per tonne silver.
104B 335	Gab 12,SW	Ag,Zn,Pb,Cu,As,Au	VEIN	Mineralization consisting of magnetite, chalcopyrite, galena, and sphalerite is associated with a northeast trending fault crosscutting sediments of probable Permian and Mississippian age; gold mineralization occur within iron-carbonate veins and pods mineralized with pyrite and coarse-grained magnetite; assay samples from 1988 diamond-drill hole intersections returned values grading 77.14 grams per tonne gold over 60.0 centimetres.
104B 336	Gab 11,SE	Au,As,Fe,Cu,Ag	SHEAR-FAULT	Massive fine-grained pyrite occurs within sedimentary rocks of Permian and Mississippian age; grab samples from a pyritized zone returned values of 23.5 grams per tonne gold and 116.9 grams per tonne silver.
104B 337	Gab 12 NE	Au	SHEAR-FAULT	A northeast-trending fault within Permian and Mississippian sedimentary rocks contains massive and disseminated magnetite, chalcopyrite, sphalerite, and galena; grab samples from this gossan contain values as high as 26.7 grams per tonne gold.
104B 347	Egg,Verjoy,Ret 7	Au	VEIN	Quartz-barite veins infilling shear or fracture systems are mineralized with pyrite, chalcopyrite, galena, hematite, magnetite and malachite; gold values are low but silver, cobalt and copper values are elevated above background; massive pyrite veins to 5.0 centimetres width contain chalcopyrite, hematite and magnetite.
104B 350	Adrian	Au,Ag,Cu,Pb,Zn	VEIN	Quartz veins hosted by quartz rich-granite returned gold values ranging from 2.7 grams per tonne to 30.0 grams per tonne.
	North Ridge,Ridge, South Forrest	Au,Ag,Cu,Pb,Zn	VEIN	Mineralization consists of gold and silver-bearing chalcopyrite South Forrest -quartz stockwork veins and shears with one or more of the following: malachite/azurite, arsenopyrite, galena, bornite, and hematite; these mineralized veins are hosted within Eastern assemblage rocks of the Paleozoic Stikine assemblage.