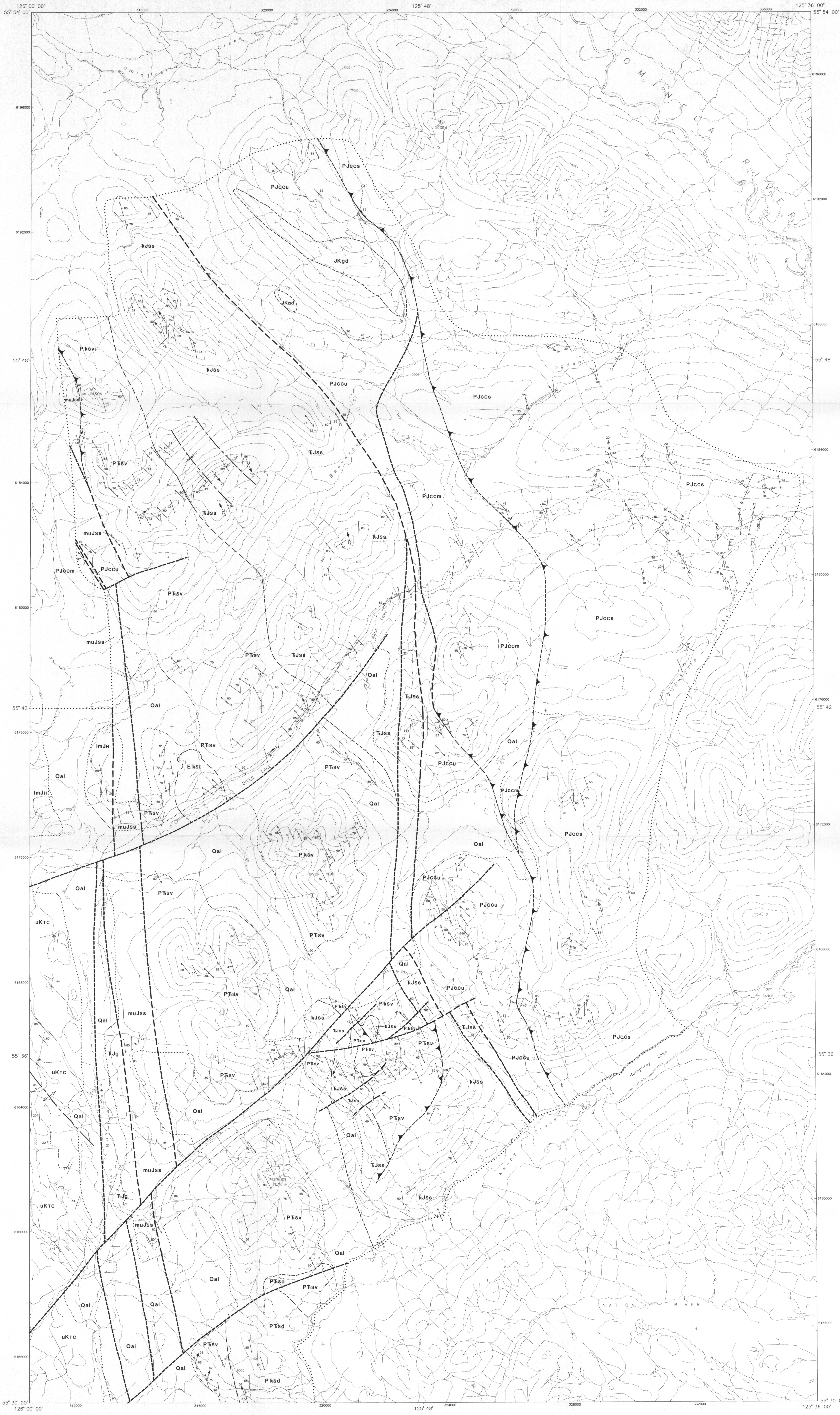

BRITISH COLUMBIA
Ministry of Employment and Investment
Energy and Minerals Division
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(Sheet 1 of 2)

GEOLOGY OF THE KENNY CREEK - MT OLSON MAP AREA BRITISH COLUMBIA

NTS 93N/12, 13

Geology by P. Schiarizza, G.J. Payie
S. Holunga and D. Wright

Scale 1:50 000

0 1 2 3 4 5
KILOMETRES

LEGEND

Pleistocene or Recent

Qal	Area underlain by unconsolidated glacial, fluvial and alluvial deposits with no, or very few, bedrock exposures

Upper Cretaceous

Sustut Group

uKTC	Tango Creek Formation: polymictic conglomerate; sandstone, shale

Jurassic or Cretaceous(?)

JKgd	Medium to coarse grained biotite granodiorite

STIKINE TERRANE

Lower to Middle Jurassic

Hazelton Group

lmJH	Medium to dark green, brownish-weathered andesite, basalt and associated breccias and tuffs; commonly feldspar or feldspar-pyroxene-phyric; lesser amounts of volcanic conglomerate, sandstone and siltstone

Late Triassic to Early Jurassic(?)

TrJg	Topley Intrusions(?): Red to pink, fine to medium-grained granite; lesser amounts of feldspar porphyry

SITLIKA ASSEMBLAGE

Middle to Upper Jurassic(?)

muJss	Western clastic unit: dark grey phyllite and slate; foliated chert-pebble conglomerate and chert-grain sandstone; lesser amounts of foliated limestone and grey phyllite containing flattened sedimentary and volcanic-lithic granules

Triassic to Jurassic(?)

TrJss	Eastern clastic unit: variably foliated siltstone, sandstone and conglomerate containing felsic volcanic and plutonic clasts; medium to dark grey slate and phyllite; locally includes foliated limestone, limestone conglomerate and green chloritic phyllite

Early Triassic

ETrst	Light grey, medium to coarse-grained tonalite; medium green, medium-grained tonalite to quartz diorite

Late Permian or Early Triassic

PTrsd	Medium-grained epidote-chlorite-feldspar schist to semischist; sericite-chlorite-feldspar schist; weakly foliated chloritized hornblende diorite

Permian to Early Triassic

PTrsv	Volcanic unit: medium to dark green chlorite schist, fragmental chlorite schist and pillowed metabasalt; chlorite-sericite schist containing felsic metavolcanic fragments; lesser amounts of quartz-sericite schist and quartz-feldspar porphyry; minor amounts of grey phyllite, metasandstone and metachert

CACHE CREEK TERRANE

Pennsylvanian to Lower Jurassic

Cache Creek Group

PJccs	Sedimentary unit: light to medium grey quartz phyllite, platy quartzite and metachert; lesser amounts of recrystallized limestone, dark grey phyllite, massive to pillowed greenstone, fragmental greenstone and chlorite schist; minor amounts of metasandstone
PJccm	Mafic unit: Medium to dark green, massive to pillowed greenstone, fragmental greenstone and chlorite schist; minor amounts of metagabbro, amphibolite, serpentinite, listwanite, slate, ribbon chert and metasandstone
PJccu	Ultramafic unit: serpentinite, serpentinized ultramafite and serpentine-magnesite-talc schist; serpentinite melange containing knockers of greenstone, diabase, amphibolite, chert and limestone; locally includes mariposite-quartz-magnesite-altered rock (listwanite), rodingite and nephrite

SYMBOLS

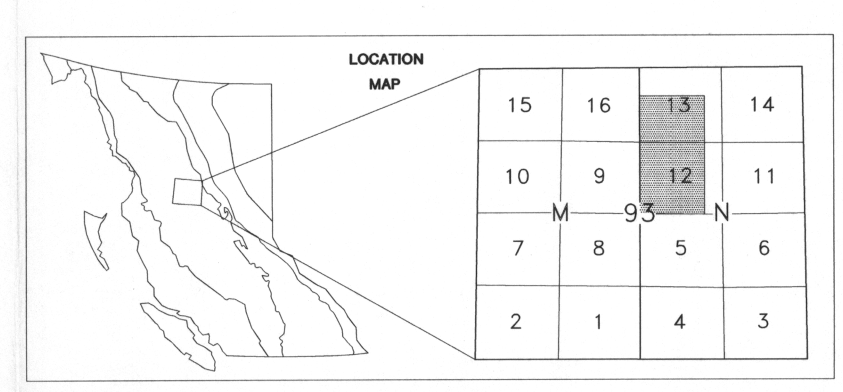
Limit of Quaternary cover
Geological contact (defined, approximate, assumed)
Fault (defined, approximate, assumed)
Thrust fault (defined, approximate, assumed)
Bedding, tops known (inclined, vertical, overturned)
Bedding, tops unknown (inclined, vertical)
Synmetamorphic schistosity, slaty cleavage (inclined, vertical)
Postmetamorphic crenulation cleavage (inclined)
Synmetamorphic mineral or stretch lineation
Crenulation lineation
Mesoscopic fold axis (synmetamorphic, postmetamorphic)
Axial trace of fold (anticline, syncline)
Limit of mapping
Road

Universal Transverse Mercator Projection

North American Datum - NAD83

UTM Zone 10

Contour interval - 100 metres



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MINERAL OCCURRENCES AND GEOCHEMISTRY OF THE KENNY CREEK - MT OLSON MAP AREA BRITISH COLUMBIA

NTS 93N/12, 13

Compiled by G.J. Payie and P. Schiarizza

Scale 1:50 000

0 1 2 3 4 5

KILOMETRES

SYMBOLS

● 1996 Lithogeochemical Sample Location

□ MINFILE Mineral Occurrences

▲ 1983 Regional Geochemical Survey (Stream Sediments)

Quartz–pyrite alteration within Sitlika volcanic unit

1996 LITHOGEOCHEMISTRY

	Element	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Cr	Mg	Ba	Ti	B	Al	W
	Units	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm
	Method	INA	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP	AICP
	Detection limit	2	1	1	3	1	0.3	1	1	2	0.01	2	5	2	1	0.2	2	2	1	1	0.01	1	0.01	3	0.01	2
Field No.	Description																									
PSC95-16-9-2	pyritic schist	3*	7	178	20	398	0.5	52	13	323	20.97	< 2	< 5	2	13	4.2	< 2	< 2	89	74	0.6	6	0.07	< 3	0.8	< 2
PSC95-19-1-1	qtz-py altd	2*	1	6	< 3	< 1	< .3	4	1	27	2.18	4	< 5	2	14	< .2	< 2	< 2	5	146	0.03	2	0.1	< 3	0.47	< 2
PSC95-19-1-3	silic py breccia	3*	3	1	5	< 1	< .3	4	2	14	17.14	29	< 5	< 2	2	0.8	< 2	< 2	1	90	< .01	3	< .01	< 3	0.08	< 2
96PSC 1-1-2	limonite altd	-2	3	67	< 3	84	< .3	67	33	1012	6.03	29	5	3	148	0.5	2	< 2	67	58	2.36	83	< .01	14	0.73	< 2
96PSC 1-3-2	rusty carb alt	-2	2	20	3	88	< .3	18	21	1358	5.74	12	6	< 2	252	0.7	< 2	< 2	47	12	3.3	58	< .01	8	0.34	< 2
96PSC 2-3-3	qtz-lim altd	-2	9	16	10	43	0.3	12	1	86	2.22	33	< 5	< 2	8	0.4	3	< 2	22	22	0.05	31	0.01	< 3	0.23	6
96PSC 4-6	qtz-carb alt	9	6	71	4	94	0.3	32	24	3739	6.22	15	< 5	4	71	0.2	< 2	< 2	87	27	0.67	143	< .01	16	1.05	< 2
96PSC 11-9	listwanite	36	2	13	< 3	14	< .3	1509	78	619	3.71	5	< 5	< 2	9	< .2	4	< 2	22	469	17.36	398	< .01	7	0.08	3
96PSC 12-3-3	qtz float with cpy	-2	4	71	< 3	10	< .3	10	1	619	1.12	< 2	< 5	< 2	58	0.2	2	< 2	7	21	0.26	50	0.01	< 3	0.18	8
96PSC 12-4-2	pyritic schists	-2	4	53	3	173	< .3	24	11	1349	7.85	< 2	< 5	< 2	15	0.4	2	< 2	127	21	2.37	31	0.53	< 3	2.87	< 2
96PSC 14-9-1	list. with qtz+py	-2	8	6	5	62	< .3	822	54	892	5.27	456	< 5	< 2	229	0.3	4	< 2	18	193	15.29	40	< .01	3	0.16	2
96PSC 14-9-2	magnesite + qtz	-2	4	6	< 3	19	< .3	245	12	206	1.73	56	< 5	< 2	15	< .2	4	< 2	8	73	3.33	10	< .01	3	0.09	10
96PSC 15-9	pyritic schist	7	2	14	< 3	138	< .3	26	4	281	6.36	10	< 5	< 2	9	0.2	4	< 2	138	154	1.59	18	0.57	< 3	2.53	< 2
96PSC 15-15-2	pyritic gossan	-2	3	47	< 3	84	< .3	38	11	972	6.23	< 2	< 5	< 2	4	0.2	< 2	< 2	147	174	3.38	13	0.66	< 3	2.78	< 2
96PSC 16-1-2	rusty qtz-carb vn	-2	3	26	< 3	48	< .3	22	16	1501	5.54	20	< 5	< 2	74	0.2	2	< 2	98	25	2.22	12	0.01	< 3	1.42	2
96PSC 16-3-2	list. with qtz veins	-2	2	21	< 3	23	< .3	1392	64	1158	5.68	379	< 5	< 2	42	0.4	4	< 2	14	419	15.53	13	0.01	< 3	0.13	3
96PSC 18-1-1	pyritic schist	-2	2	22	< 3	235	< .3	17	3	1751	4.4	< 2	< 5	< 2	5	< .2	< 2	< 2	157	68	5.59	7	< .01	< 3	4.41	< 2
96PSC 18-1-3	lim. stringers (py)	3	3	38	< 3	141	< .3	6	8	1699	7.58	2	< 5	< 2	6	< .2	5	< 2	155	10	3	5	0.37	< 3	3.12	< 2
96PSC 18-4	pyritic qtz schist	-2	3	6	< 3	24	< .3	10	< 1	140	1.67	8	< 5	< 2	2	< .2	3	< 2	2	20	0.39	8	< .01	< 3	0.48	8
96PSC 18-5	pyritic schist	-2	3	14	7	149	< .3	11	16	2752	6.71	7	< 5	< 2	4	0.3	4	< 2	304	40	3.45	6	0.14	< 3	3.69	< 2
96PSC 18-12	pyritic qtz schist	2	2	32	< 3	156	< .3	11	17	2472	7.01	< 2	10	2	2	< .2	< 2	< 2	234	16	4.32	1	0.01	< 3	3.27	< 2
96PSC 19-8-2	py-qtz alt. rock	-2	5	5	< 3	3	< .3	8	1	71	1.84	< 2	< 5	< 2	1	< .2	< 2	< 2	5	15	0.05	1	< .01	< 3	0.18	4
96PSC 19-9-1	pyritic schist	-2	4	6	< 3	1	< .3	9	2	38	2.27	< 2	< 5	< 2	4	< .2	3	< 2	2	15	0.02	26	< .01	< 3	0.1	4
96PSC 23-9-2	listwanite zone	12	3	14	< 3	31	< .3	781	40	725	3.74	60	< 5	< 2	69	0.3	5	< 2	10	289	15.53	6	< .01	3	0.09	3
96PSC23-17	listwanite zone	94	2	17	< 3	19	< .3	739	52	554	3.61	75	< 5	< 2	138	< .2	2	< 2	14	448	15.2	7	< .01	< 3	0.12	4
96PSC 23-21-2	rusty alt +qtz vn	-2	2	4	< 3	14	< .3	30	5	327	1.38	< 2	< 5	< 2	11	< .2	3	< 2	28	39	0.36	7	< .01	< 3	0.22	7
96PSC 24-6-2	pyritic gossan	-2	3	71	< 3	87	< .3	73	38	690	5.74	< 2	5	< 2	11	0.5	< 2	< 2	167	156	1.88	30	0.46	10	3.32	< 2
96PSC 24-12-2	qtz vns with cpy	-2	3	878	24	43	< .3	19	2	93	0.81	6	< 5	< 2	3	0.2	2	< 2	8	30	0.07	2	< .01	3	0.09	9
96PSC 24-12-3	pyritic carb altd	-2	1	68	< 3	105	< .3	52	32	1568	6.93	14	8	< 2	111	0.7	< 2	< 2	56	42	4.38	6	< .01	3	0.28	< 2
96PSC 25-1-2	goss. rock w. po	-2	1	75	< 3	143	< .3	92	40	934	7.3	< 2	7	< 2	13	0.8	2	< 2	92	90	1.92	8	0.78	< 3	2.01	< 2
96PSC 25-12-2	list. and qtz veins	-2	3	5	< 3	7	< .3	456	27	363	1.77	3	< 5	< 2	20	< .2	3	< 2	8	510	6.87	1	< .01	< 3	0.15	6
96PSC 26-20-3	qtz vein	-2	2	353	< 3	48	< .3	21	5	300	1.65	10	< 5	< 2	4	< .2	6	< 2	17	28	0.18	2	0.01	3	0.18	6
96PSC 26-20-4	rusty qtz-carb vn	-2	2	5	< 3	23	< .3	26	2	466	1.46	4	< 5	< 2	14	< .2	2	< 2	12	24	0.75	2	< .01	3	0.12	7
96PSC 28-12-2	qtz vein w. py/cpy	380	5	21714	< 3	107	1.8	17	86	347	7.01	121	< 5	< 2	3	1.7	383	< 2	7	33	0.02	7	< .01	< 3	0.09	14
96PSC 30-14	silic. schist w, py	-2	4	28	5	166	< .3	37	27	361	4.31	36	7	< 2	7	1.3	3	< 2	80	47	0.87	50	0.4	< 3	1.06	< 2
96SHO 2-1-2	qtz/carb alt (list.)	9	1	50	5	110	< .3	170	42	1403	6.99	170	16	2	236	0.8	14	< 2	45	92	3.97	45	< .01	14	0.54	< 2
96GPA 1-9-3	pyritic chert layer	20	45	36	4	10	0.6	7	1	49	11.44	9	< 5	4	1	< .2	4	4	2	9	0.02	25	< .01	5	0.07	3
96GPA 5-1-3	limonitic qtz vein	8	3	38	< 3	29	0.3	20	5	213	2.59	7	5	3	4	< .2	< 2	2	25	18	0.09	43	< .01	3	0.26	7
96GPA 13-3-2	limonitic qtz vein	-2	3	27	10	10	0.5	14	2	126	0.95	2	11	3	4	0.3	2	< 2	5	21	0.14	13	< .01	< 3	0.35	5
96GPA 16-3-2	limonitic qtz vein	10	3	29	22	11	0.7	16	4	116	0.93	3	< 5	3	3	< .2	3	2	4	20	0.07	22	0.01	4	0.13	7
96GPA 16-8	pyritic listwanite	-2	1	23	< 3	19	< .3	2301	147	551	6.9	14	< 5	3	10	< .2	< 2	< 2	25	1304	17.85	6	< .01	4	0.45	< 2
96GPA 21-1-2	silic. pyritic rock	-2	4	41	6	538	0.7	6	2	1482	3.29	< 2	< 5	3	1	< .2	< 2	2	68	26	3.42	2	0.24	< 3	2.49	< 2
96GPA 21-2-1	silic. pyritic rock	-2	3	9	< 3	38	0.4	19	1	190	2.09	< 2	11	3	3	< .2	< 2	2	5	23	0.43	5	0.06	< 3	0.45	3
96GPA 21-4-3	silic. pyritic rock	-2	3	8	3	13	< .3	9	2	198	3.18	< 2	< 5	2	3	< .2	< 2	< 2	40	23	0.88	7	0.06	< 3	0.94	7
96GPA 21-9	altd pyritic rock	-2	21	59	< 3	22	< .3	111	18	165	14.15	53	< 5	5	13	0.2	< 2	< 2	62	174	1.17	11	0.33	< 3	1.27	< 2
96GPA 23-1-3	lim-py-qtz altd	-2	3	51	3	17	0.4	13	9	224	3.08	77	< 5	< 2	23	< .2	2	3	84	31	0.37	25	0.68	< 3	0.92	< 2
96GPA 23-8-2	lim-py-gtz altd	-3	1	15	< 3	31	< .3	26	7	314	4.3	< 2	< 5	2	7	0.2	< 2	8	76	156	1.3	11	0.52	3	1.61	2
96GPA 24-7	pyritic intrusive	-2	< 1	41	< 3	22	< .3	4	4	442	4.17	< 2	< 5	2	33	< .2	< 2	< 2	128	11	1.82	20	0.33	< 3	2.24	< 2
96GPA 27-3	lim-qtz-py volc	-2	1	16	11	413	< .3	4	< 1	1285	2.43	< 2	< 5	2	7	0.2	< 2	< 2	5	7	1.42	26	0.01	< 3	1.28	< 2
96GPA 29-3	talc,magnesite,py	-2	< 1	10	< 3	26	< .3	1174	92	657	3.92	5	5	2	30	0.3	< 2	< 2	9	521	11.61	8	< .01	< 3	0.12	< 2

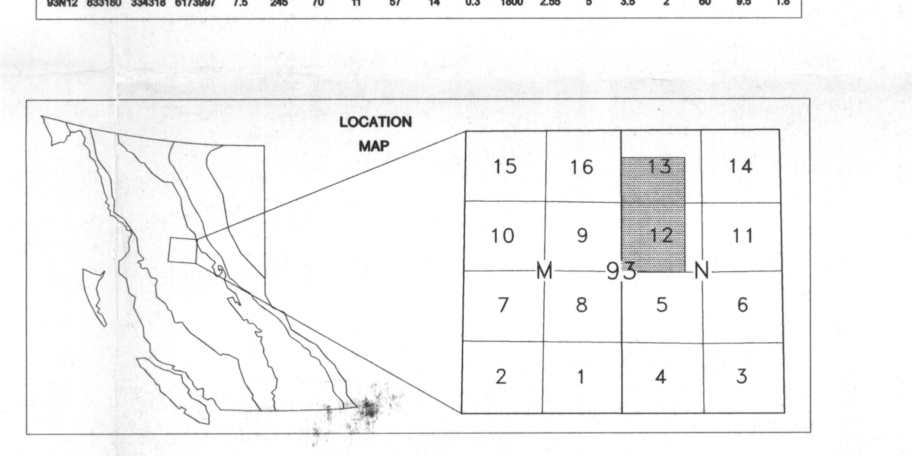
Abbreviations: AICP = Aqua regia digestion-ICPES; INA = Instrumental Neutron Activation; alt = alteration; altd = altered; carb = carbonate; cpy = chalcopyrite: lim = limonite; list = listwanite; goss = gossan; qtz = quartz; po = pyrrhotite; silc = silicified; volc = volcanic rock; vn(s) = vein(s); w = with; * = fire assay

MINFILE MINERAL OCCURRENCES

MINFILE No.	NAME	COMMODITY	DESCRIPTION
93N 004	Jo 30	Au, Cu	Chalcopyrite in skarn-altered metasedimentary rocks of the Cache Creek Group adjacent to a felsic dike
93N 045	Quartzite Creek	Au	Placer gold; also contains boulders of rhodonite and nephrite
93N 110	Source	Au, Ag	Narrow east-striking quartz vein in listwanite-altered magnesite-serpentine-talc schist of the Cache Creek ultramafic unit
93N 126	Myrinda	Nephrite	In situ nephrite within the Cache Creek mafic unit
93N 127	Jo 49	Au	Anomalous gold in quartz stringers within a large aplitic intrusion cutting Cache Creek metasedimentary rocks
93N 156	Ogden Creek	Nephrite	Placer nephrite derived from the Cache Creek ultramafic unit
93N 157	Lee	Nephrite	In situ nephrite within the Cache Creek ultramafic unit
93N 165	Ogden Mountain	Nephrite	In situ and placer nephrite within the Cache Creek ultramafic unit
93N 179	Eureka	Cu, Au, Ag, Zn	Quartz lens with pyrite and chalcopyrite, within a shear zone cutting the Sitlika volcanic unit
93N 220	Don	Cu, Au	Quartz veins with pyrite and chalcopyrite, cutting Sitlika volcanic unit
93N 221	Shane	Cu	East-striking quartz vein with chalcopyrite, cutting a large greenstone knocker within Cache Creek serpentinite melange
93N 222	Fran 3	Nephrite	In situ nephrite within the Cache Creek ultramafic unit
	Vent		Pytite-silica-altered hyrothermal breccia within felsic rocks of the Sitlika volcanic unit
	Crystal		Laminated pyrite-chert (exhalite?) within Sitlika volcanic unit

1983 REGIONAL GEOCHEMICAL SURVEY - STREAM SEDIMENT RESULTS

MAP	ID	UTME	UTMN	PH	Zn	Cu	Pb	Ni	Co	Ag	Mn	Fe	Mo	U	W	Hg	As	Sb
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb	ppm	ppm
93N13	831292	343015	6185850	7.1	36	19	1	16	16	0.1	453	2.50	1	0.8	1	30	1.5	0.6
93N13	831295	335901	6192812	7.2	39	38	2	50	8	0.1	238	1.75	1	2.3	1	40	1.5	0.5
93N13	831296	334158	6192954	8.1	75	42	3	58	12	0.1	558	2.60	3	2.1	1	60	6.0	0.9
93N13	831297	334477	6193401	7.0	22	17	1	13	4	0.1	279	1.40	1	2.4	1	20	1.5	0.6
93N13	831299	334665	6196044	7.0	16	6	6	4	1	0.1	160	0.70	1	3.8	1	20	1.0	0.3
93N13	831300	330903	6193116	7.9	110	46	10	60	14	0.3	926	2.45	4	5.9	3	440	5.5	1.6
93N13	831302	330526	6195959	8.1	73	43	4	69	14	0.1	737	2.80	1	2.1	2	120	8.0	1.3
93N13	831303	328825	6197891	7.6	68	31	1	94	13	0.2	366	2.50	1	1.9	1	40	2.5	0.6
93N13	831304	328825	6197891	6.8	68	31	2	90	13	0.2	344	2.50	1	1.5	1	40	3.0	0.6
93N13	831313	323266	6197480	7.9	65	51	5	150	16	0.1	720	2.60	2	2.1	1	30	3.0	0.6
93N13	831718	331444	6182895	7.8	71	66	6	63	12	0.2	515	2.20	4	3.1	1	70	5.5	0.4
93N13	831719	333099	6188609	8.1	66	42	1	77	13	0.1	671	2.05	2	1.5	1	80	4.5	1.4
93N13	831720	332246	6187992	7.6	77	47	3	218	20	0.2	239	1.60	2	1.5	1	50	2.5	0.4
93N13	831722	330396	6187947	7.8	60	47	3	100	14	0.1	619	2.10	2	1.9	1	60	4.5	0.6
93N13	831723	327910	6185791	7.8	62	53	4	123	10	0.3	170	1.55	1	2.4	1	70	2.0	0.4
93N13	831724	326715	6188317	7.7	71	38	1	371	28	0.2	600	2.90	2	1.6	1	40	5.0	0.2
93N13	831725	325715	6187547	7.6	91	51	4	431	31	0.2	346	2.80	1	2.3	1	60	4.5	0.4
93N13	831726	325715	6187547	7.5	68	47	2	495	35	0.1	328	2.85	1	1.8	1	30	5.0	0.2
93N13	831727	323859	6188181	7.6	49	40	1	556	35	0.1	618	2.90	1	1.5	1	20	7.5	0.2
93N13	831728	324832	6184225	7.4	68	35	3	46	15	0.1	1590	3.00	1	2.0	4	40	3.5	0.2
93N13	831729	325246	6184258	7.4	66	28	1	142	13	0.1	5500	4.95	1	1.7	1	60	7.0	0.2
93N13	831731	320828	6183748	7.5	66	35	2	27	13	0.1	612	2.65	1	1.9	1	40	4.5	0.2
93N13	831732	320442	6183576	7.6	68	53	2	47	15	0.1	592	3.20	1	1.6	1	40	6.0	0.1
93N13	831733	319513	6189633	7.4	66	31	1	351	25	0.1	277	2.15	1	1.4	1	40	3.0	0.1
93N13	831734	317482	6194039	7.7	32	26	1	1250	61	0.1	590	3.80	1	0.7	1	30	4.5	0.1
93N13	831735	316492	6193878	7.6	46	45	2	31	9	0.1	232	1.60	1	1.8	1	60	1.5	0.1
93N13	831736	313823	6194906	7.4	53	51	1	21	12	0.1	342	2.95	1	2.1	1	40	2.5	0.3
93N13	831737	320851	6196181	7.5	49	38	1	720	41	0.2	545	3.60	1	1.5	1	30	4.5	0.4
93N13	831738	320434	6195857	7.4	32	29	1	585	34	0.2	473	2.10	1	1.9	1	40	3.0	0.4
93N13	831742	316705	6198770	7.1	14	32	1	87	6	0.2	292	0.95	1	1.6	1	110	2.5	0.1
93N13	831744	314512	6191054	7.8	112	45	1	36	21	0.1	974	2.80	1	1.7	1	40	5.0	0.3
93N13	831745	315027	6188765	7.6	162	42	1	39	30	0.1	1250	3.25	1	1.8	1	40	4.5	0.2
93N13	831746	312453	6187076	7.5	82	35	4	40	16	0.1	716	3.10	1	1.9	1	40	5.5	0.6
93N12	831747	327234	6180684	7.6	69	32	1	165	22	0.1	481	3.35	1	1.5	1	50	3.5	0.4
93N12	831748	324442	6179752	7.9	62	35	1	460	41	0.1	542	3.25	1	1.4	1	50	5.5	0.4
93N12	831749	319488	6182334	7.6	88	74	3	136	24	0.1	775	3.95	2	1.3	1	40	4.5	0.1
93N12	831750	318211	6180448	7.4	92	22	1	14	15	0.1	480	4.00	2	1.5	1	40	3.5	0.2
93N12	831751	315296	6177418	7.3	41	32	1	8	4	0.3	262	1.50	3	0.4	1	70	1.5	0.1
93N12	831752	314771	6177281	7.5	425	37	18	32	10	0.3	1180	3.45	2	2.0	1	80	8.0	0.2
93N12	831753	312262	6180057	7.2	72	34	6	25	13	0.1	656	2.80	1	1.8	1	40	5.5	0.6
93N12	831754	312262	6180057	7.1	78	34	6	26	13	0.1	658	2.80	1	2.1	1	50	6.0	0.5
93N12	831755	311657	6172688	7.4	76	24	4	25	10	0.1	758	2.50	1	2.0	1	60	4.5	0.4
93N12	831756	316892	6172701	7.5	65	32	3	36	16	0.1	811	3.50	2	1.6	1	50	11.5	0.2
93N12	831758	317210	6173713	7.2	148	26	1	23	10	0.1	224	1.50	3	0.8	1	160	19.5	0.2
93N12	831759	317430	6173453	7.5	67	21	1	33	14	0.1	422	2.60	1	1.3	1	40	10.0	0.1
93N12	831760	317650	6174005	6.4	36	21	2	16	5	0.2	237	1.10	2	1.1	1	100	4.5	0.1
93N12	831762	320502	6171677	6.3	72	44	4	21	12	0.1	552	2.35	2	3.9	1	50	15.0	0.2
93N12	831763	320297	6168291	7.3	83	26	1	26	16	0.2	1130	2.95	2	1.5	1	40	5.5	0.2
93N12	831764	319863	6167167	7.5	78	35	2	36	23	0.1	1140	3.15	2	1.7	1	50	8.0	0.2
93N12	831765	319005	6168203	7.6	60	29	2	41	19	0.1	631	2.65	2	1.9	1	40	8.0	0.2
93N12	831766	323144	6169730	7.4	270	42	18	180	50	0.1	3410	4.80	2	1.4	1	40	21.5	0.4
93N12	831767	325447	6173573	7.5	72	37	1	419	37	0.2	531	3.70	1	1.4	1	30	8.5	0.2
93N12	831769	325447	6173573	7.5	74	42	1	481	42	0.1	672	3.65	1	1.5	1	30	11.0	0.4
93N12	831770	328666	6173463	7.4	90	65	10	51	9	0.1	513	1.80	2	5.6	1	50	3.0	0.2
93N12	833048	333581	6167159	7.7	122	72	6	61	13	0.4	982	2.60	4	2.3	1	50	10.0	1.4
93N12	833049	332073	6166017	7.7	80	54	5	90	12	0.2	992	2.45	2	2.2	1	30	9.5	0.5
93N12	833050	328126	6163690	7.8	142	73	5	89	15	0.3	846	3.25	3	3.2	1	40	7.5	0.5
93N12	833051	326796	6163260	7.7	52	48	1	300	19	0.3	689	2.60	1	1.9	1	50	31.5	0.2
93N12	833052	322554	6159964	7.6	74	46	1	50	14	0.2	857	2.65	1	1.6	1	40	3.5	0.1
93N12	833053	319537	6157253	7.5	45	22	1	23	8	0.2	526	1.60	1	1.5	1	40	1.5	0.1
93N12	833054	319313	6154718	7.5	50	21	1	24	9	0.3	993	1.80	1	1.7	1	30	2.0	0.1
93N12	833055	319313	6154718	7.4	50	19	1	22	8	0.1	820	1.75	1	1.5	1	20	2.0	0.1
93N12	833175	336032	6180025	7.9	114	57	5	53	13	0.4	382	1.90	4	4.0	1	90	3.0	0.6
93N12	833176	334797	6177420	7.7	280	58	10	41	10	0.1	817	1.95	5	3.5	2	70	8.0	0.8
93N12	833177	335012	6179268	7.5	94	53	5	48	10	0.3	633	1.75	3	3.1	1	80	4.5	0.7
93N12	833178	331857	6177680	7.8	102	50	3	145	14	0.1	1560	2.80	2	2.9	2	60	5.5	0.2
93N12	833179	331119	6173706	7.5	100	47	5	80	12	0.1	973	2.15	2	2.8	2	50	6.0	0.2
93N12	833180	334318	6173997	7.5	245	70	11	57	14	0.3	1800	2.55	5	3.5	2	60	9.5	1.8



Universal Transverse Mercator Projection

North American Datum – NAD83

UTM Zone 10

Contour interval – 100 metres