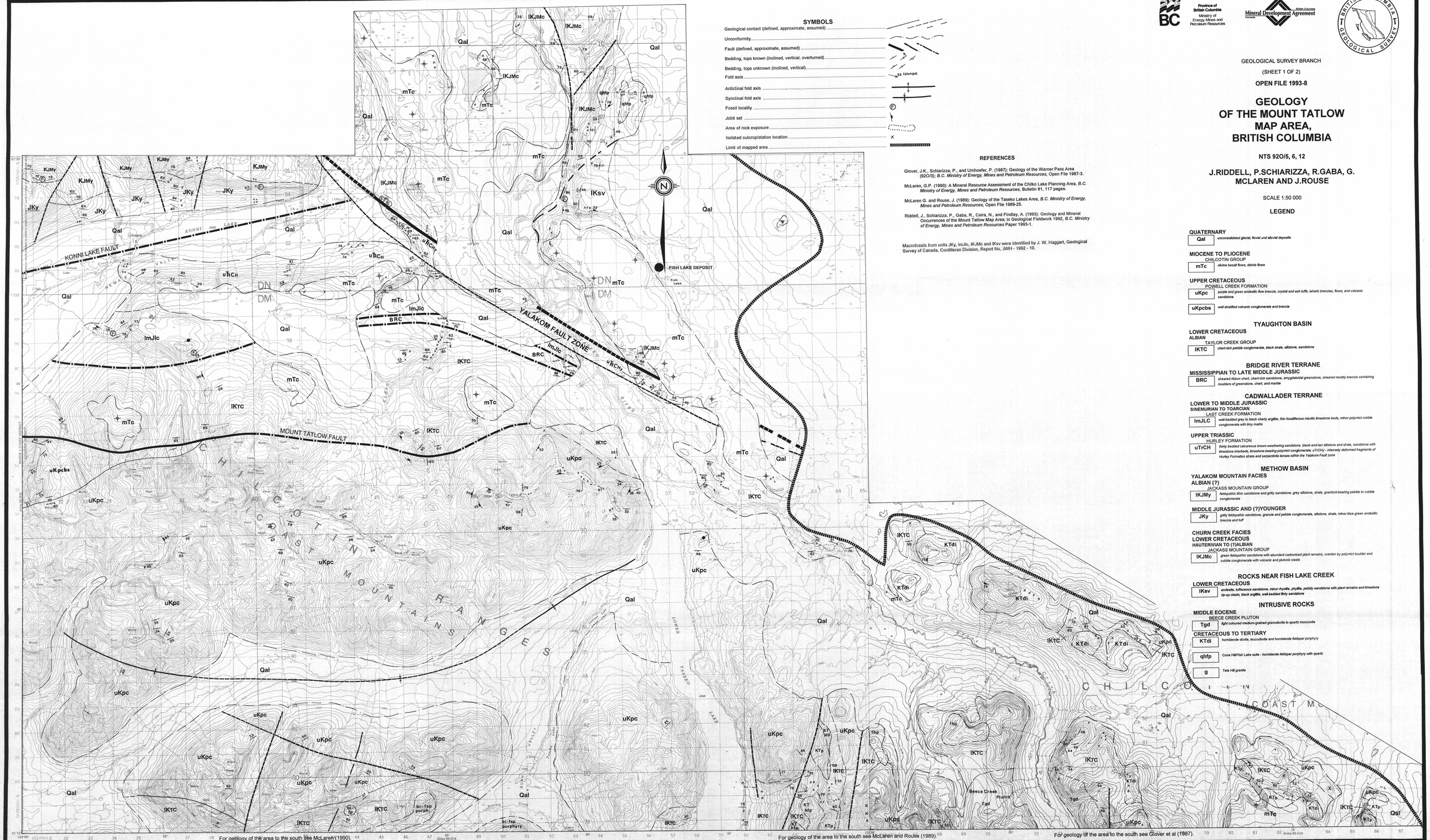

SYMBOLS

Geological contact (defined, approximate, assumed)
Unconformity
Fault (defined, approximate, assumed)
Bedding, tops known (inclined, vertical, overturned)
Bedding, tops unknown (inclined, vertical)
Fold axis — 23 (plunge)
Anticlinal fold axis
Synclinal fold axis
Fossil locality — F
Joint set
Area of rock exposure
Isolated outcrop/station location — ×
Limit of mapped area

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Riddell, J., Schiarizza, P., Gaba, R., Caira, N., and Findlay, A. (1993): Geology and Mineral Occurrences of the Mount Tatlow Map Area; in Geological Fieldwork 1992, *B.C. Ministry of Energy, Mines and Petroleum Resources* Paper 1993-1.

Macrofossils from units JKy, lmJlc, lKJMc and lKsv were identified by J. W. Haggart, Geological Survey of Canada, Cordilleran Division, Report No. JWH - 1992 - 10.

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

Mineral Development Agreement
British Columbia Canada

BRITISH COLUMBIA GEOLOGICAL SURVEY

GEOLOGICAL SURVEY BRANCH

(SHEET 1 OF 2)

OPEN FILE 1993-8

GEOLOGY OF THE MOUNT TATLOW MAP AREA, BRITISH COLUMBIA

NTS 92O/5, 6, 12

J.RIDDELL, P.SCHIARIZZA, R.GABA, G. MCLAREN AND J.ROUSE

SCALE 1:50 000

LEGEND

QUATERNARY

Qal — *unconsolidated glacial, fluvial and alluvial deposits*

MIOCENE TO PLIOCENE

CHILCOTIN GROUP

mTc — *olivine basalt flows, debris flows*

UPPER CRETACEOUS

POWELL CREEK FORMATION

uKpc — *purple and green andesitic flow breccia, crystal and ash tuffs, lahartic breccias, flows, and volcanic sandstone*

uKpcbs — *well stratified volcanic conglomerate and breccia*

TYAUGHTON BASIN

LOWER CRETACEOUS

ALBIAN

TAYLOR CREEK GROUP

lKTC — *chert-rich pebble conglomerate, black shale, siltstone, sandstone*

BRIDGE RIVER TERRANE

MISSISSIPPIAN TO LATE MIDDLE JURASSIC

BRC — *sheared ribbon chert, chert-rich sandstone, amygdaloidal greenstone, sheared muddy breccia containing boulders of greenstone, chert, and marble*

CADWALLADER TERRANE

LOWER TO MIDDLE JURASSIC

SINEMURIAN TO TOARCIAN

LAST CREEK FORMATION

lmJLC — *well-bedded grey to black cherty argillite, thin fossiliferous micritic limestone beds, minor polymict cobble conglomerate with limy matrix*

UPPER TRIASSIC

HURLEY FORMATION

uTrCH — *thinly bedded calcareous brown-weathering sandstone, black-and-tan siltstone and shale, sandstone with limestone interbeds, limestone-bearing polymict conglomerate; uTrCHy - intensely deformed fragments of Hurley Formation strata and serpentinite lenses within the Yalakom Fault zone*

METHOW BASIN

YALAKOM MOUNTAIN FACIES

ALBIAN (?)

JACKASS MOUNTAIN GROUP

lKJMy — *feldspathic lithic sandstone and gritty sandstone, grey siltstone, shale, granitoid-bearing pebble to cobble conglomerate*

MIDDLE JURASSIC AND (?)YOUNGER

JKy — *gritty feldspathic sandstone, granule and pebble conglomerate, siltstone, shale, minor blue-green andesitic breccia and tuff*

CHURN CREEK FACIES

LOWER CRETACEOUS

HAUTERIVIAN TO (?)ALBIAN

JACKASS MOUNTAIN GROUP

lKJMc — *green feldspathic sandstone with abundant carbonized plant remains, overlain by polymict boulder and cobble conglomerate with volcanic and plutonic clasts*

ROCKS NEAR FISH LAKE CREEK

LOWER CRETACEOUS

lKsv — *andesite, tuffaceous sandstone, minor rhyolite, phyllite, pebbly sandstone with plant remains and limestone rip-up clasts, black argillite, well-bedded flinty sandstone*

INTRUSIVE ROCKS

MIDDLE EOCENE

BEECE CREEK PLUTON

Tgd — *light coloured medium-grained granodiorite to quartz monzonite*

CRETACEOUS TO TERTIARY

KTdi — *hornblende diorite, leucodiorite and hornblende feldspar porphyry*

qhfp — *Cone Hill/Fish Lake suite - hornblende feldspar porphyry with quartz*

g — *Tete Hill granite*

Lithogeochemical Sample Data

Sample	Au ppb*	Ag ppm	Cu ppm*	Pb ppm	Zn ppm *	Co ppm	Ni ppm	Mo ppm	Hg ppb *	As ppm	Sb ppm
RM-416	22	<.5	520	7	26	27	21	<7	96	13	1
RM-417	17	0.6	0.24%	15	26	41	49	77	49	22	0.9
RM-431	4	<.5	340	10	21	23	22	<7	57	5	<.5
RR-01	8	<.5	37	20	31	17	9	<7	190	24	0.7
RM-301	72 ppm	86	0.20%	37	229	no data	no data	<10	7.0 ppm	560	26
RM-302	760	1	161	10	60	no data	no data	<10	710	38	<20
RM-303	180	<0.3	0.54%	18	240	no data	no data	<10	134	<10	<20
92JRI 30-2	1	0.6	13	7	37	no data	5	1		14	<0.5
92JRI30-5	1	0.4	40	4	76	no data	31	1		19	1
92JRI29-4	1	0.2	7	4	73	no data	39	1		22	2
92JRI29-7	86	2.2	14	39	20	no data	6	42		105	45
92IKIA 2-1	11	0.6	26	14	58	no data	47	1		145	73
92BGA 19-5-1	3	1.5	234	90	121	no data	11	1	<1	<0.5	
92JRI 33-2-2	1	0.2	211	4	51	no data	20	4	<1	<0.5	
PSC 92-32-8-2	27	0.3	5	55	12	no data	6	1	<1		11
PSC 92-32-8-3	1	0.2	12	4	13	no data	5	1	<1	<0.5	
92JRI 23-2-2	6	0.3	55	10	143	no data	4	1		1	<0.5
92BGA 8-3	93	2	555	16	3.85%	no data	58	1		4	1
92JRI 23-5	1	0.2	3	4	145	no data	50	1		15	0.5

*except where noted otherwise

Regional Geochemical Survey Data

Sample	Au	Ag	As	Ba	Cu	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	Zn
	ppb	%	ppm	ppm	%	ppm	ppm	%	ppb	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
92JRI 101-2	1	0.2	8	140	1.13	20	42	47	4.72	.70	0.07	1.06	873	1	0.04	34	700	0	120	0.18	113
92JRI 102-1	1	0.2	10	130	0.35	34	29	27	5.05	.400	0.07	0.35	971	1	0.00	70	340	10	31	0.05	56
92JRI 102-2	1	0.2	10	130	1.34	19	34	39	4.70	.150	0.08	1.03	530	0	0.05	33	670	0	110	0.21	122
92JRI 103-1	1	0.2	8	140	1.19	18	42	47	5.04	.110	0.09	1.08	786	0	0.07	22	1420	0	180	0.35	140
92JRI 103-2	1	0.2	8	140	0.71	14	40	45	5.04	.1000	0.09	1.79	986	0	0.07	22	1420	0	180	0.35	140
92JRI 104-1	1	0.2	7	160	0.51	16	77	41	6.04	.60	0.06	0.95	1030	0	0.03	23	1140	0	107	0.49	387
92JRI 104-2	1	0.2	7	160	0.51	16	77	41	6.04	.60	0.06	0.95	1030	0	0.03	23	1140	0	107	0.49	387
92JRI 105-1	1	0.2	5	80	1.73	20	49	52	5.44	.30	0.08	1.30	883	0	0.05	30	1040	0	176	0.34	176
92JRI 105-2	1	0.2	5	80	1.73	20	49	52	5.44	.30	0.08	1.30	883	0	0.05	30	1040	0	176	0.34	176
92JRI 106-1	1	0.2	5	100	1.23	18	40	45	5.05	.200	0.08	1.27	883	0	0.03	35	1000	0	134	0.33	137
92JRI 106-2	1	0.2	5	100	1.23	18	40	45	5.60	.70	0.06	1.38	795	0	0.04	21	1110	0	192	0.29	143
92JRI 107-1	1	0.2	7	100	1.33	19	40	45	5.74	.40	0.08	1.35	873	0	0.04	21	1130	0	204	0.35	144
92JRI 107-2	1	0.2	5	100	1.86	22	42	53	5.67	.60	0.09	1.53	879	0	0.06	28	1270	0	204	0.35	193
92JRI 108-1	1	0.2	5	100	1.86	22	42	53	5.67	.60	0.09	1.53	879	0	0.06	28	1270	0	204	0.35	193
92JRI 108-2	1	0.2	5	100	1.34	19	41	45	5.95	.1000	0.07	1.63	942	0	0.05	27	890	0	149	0.42	261
92JRI 109-1	1	0.2	5	110	0.66	21	47	38	5.44	.50	0.08	1.20	864	0	0.01	15	530	2	60	0.04	64
92JRI 109-2	1	0.2	5	110	0.66	21	47	38	5.04	.400	0.08	0.44	1238	0	0.01	15	530	2	60	0.01	64
92JRI 110-1	80.0	0.2	30	140	0.42	26	41	43	5.24	.240	0.10	0.98	973	1	0.01	39	430	1	71	0.01	34
92JRI 110-2	5	2.11	30	390	0.51	35	41	43	5.24	.240	0.10	0.98	973	1	0.01	39	430	1	71	0.01	34
92JRI 111-1	1	0.2	5	70	1.29	17	134	49	9.62	.30	0.05	0.94	1472	1	0.05	27	1410	0	248	0.51	267
92JRI 111-2	1	0.2	5	70	1.29	17	134	49	9.62	.30	0.05	0.94	1472	1	0.05	27	1410	0	248	0.51	267
92JRI 112-1	16.0	3.98	5	50	2.52	12	30	26	7.29	.40	0.08	0.91	1237	1	0.07	9	1360	0	227	0.51	266
92JRI 112-2	16.0	3.98	5	50	2.52	12	30	26	7.29	.40	0.08	0.91	1237	1	0.07	9	1360	0	227	0.51	266
92JRI 113-1	1	0.2	5	60	1.08	14	60	31	5.30	.40	0.07	1.02	844	0	0.05	31	1280	0	183	0.45	248
92JRI 113-2	1	0.2	5	60	1.08	14	60	31	5.30	.40	0.07	1.02	844	0	0.05	31	1280	0	183	0.45	248
92JRI 114-1	1	0.2	5	70	1.03	13	102	34	6.06	.40	0.06	0.76	913	0	0.06	27	980	0	193	0.39	231
92JRI 114-2	1	0.2	5	70	1.03	13	102	34	6.06	.40	0.06	0.76	913	0	0.06	27	980	0	193	0.39	231
92JRI 115-1	1	0.2	5	60	1.39	15	65	39	6.07	.30	0.06	1.09	838	1	0.06	34	1220	0	178	0.41	223
92JRI 115-2	1	0.2	5	70	2.27	13	28	22	7.12	.40	0.10	0.94	1280	0	0.07	9	1430	0	230	0.54	259
92JRI 116-1	1.0	1.84	5	70	0.83	11	41	36	6.88	.40	0.08	0.61	1017	1	0.07	10	940	0	149	0.42	261
92JRI 116-2	0.5	1.63	5	70	1.06	15	342	40	9.77	.60	0.05	0.71	1144	1	0.06	44	1140	0	190	0.53	368
92JRI 117-1	0.5	1.37	5	60	0.91	13	67	33	6.23	.30	0.05	0.70	836	0	0.05	18	980	0	208	0.37	217
92JRI 117-2	0.5	1.37	5	60	0.91	13	67	33	6.23	.30	0.05	0.70	836	0	0.05	18	980	0	208	0.37	217
92JRI 118-1	0.5	2.13	5	60	0.88	15	39	38	4.90	.30	0.07	1.02	728	0	0.04	16	980	0	124	0.31	169
92JRI 118-2	0.5	2.13	5	60	1.46	15	64	24	3.96	.30	0.07	0.80	673	0	0.04	16	1360	0	124	0.26	124
92JRI 119-1	0.5	2.88	5	60	2.38	16	71	48	5.45	.80	0.03	1.40	630	0	0.10	26	3090	0	172	0.39	197
92JRI 119-2	0.5	2.88	5	60	2.38	16	71	48	5.45	.80	0.03	1.40	630	0	0.10	26	3090	0	172	0.39	197
92JRI 120-1	11.0	4.54	5	150	0.77	16	37	53	4.52	.170	0.12	1.35	881	0	0.07	22	1360	0	196	0.29	158
92JRI 120-2	11.0	4.54	5	150	0.77	16	37	53	4.84	.160	0.03	1.23	642	0	0.02	19	960	0	81	0.22	153
92JRI 121-1	4.0	3.33	5	150	1.22	14	34	37	5.79	.10	0.08	1.47	851	0	0.06	19	1090	0	153	0.29	184
92JRI 121-2	1.0	3.00	5	130	1.22	14	34	24	5.57	.60	0.10	1.15	927	0	0.04	10	1190	2	178	0.26	173
92JRI 122-1	0.5	4.08	5	140	1.40	12	27	34	4.52	.30	0.09	0.93	968	0	0.05	21	1390	0	231	0.43	209
92JRI 122-2	0.5	4.08	5	140	1.40	12	27	34	4.52	.30	0.09	0.93	968	0	0.05	21	1390	0	231	0.43	209
92JRI 123-1	0.5	3.70	5	60	2.09	14	29	36	6.93	.30	0.09	1.07	1035	0	0.06	30	1200	0	203	0.44	249
92JRI 123-2	0.5	4.28	5	60	2.38	14	24	20	5.80	.30	0.09	0.92	1052	0	0.08	5	1290	0	230	0.41	176
92JRI 124-1	0.5	4.54	5	50	2.76	12	20	23	5.31	.20	0.11	0.94	982	0	0.09	7	1290	0	231	0.40	171
92JRI 124-2	0.5	4.54	5	50	2.76	12	20	23	5.31	.20	0.11	0.94	982	0	0.09	7	1290	0	231	0.40	171
92JRI 125-1	0.5	2.58	5	30	1.11	18	80	30	10.80	.40	0.07	0.91	1483	1	0.04	23	1090	0	165	0.67	431
92JRI 125-2	0.5	2.58	5	30	1.11	18	80	30	10.80	.40	0.07	0.91	1483	1	0.04	23	1090	0	165	0.67	431
92JRI 126-1	0.5	3.25	5	120	1.51	17	44	33	5.44	.40	0.11	1.07	999	0	0.08	18	1600	0	243	0.32	197
92JRI 126-2	0.5	3.25	5	120	1.51	17	44	33	5.44	.40	0.11	1.07	999	0	0.08	18	1600	0	243	0.32	197
92JRI 127-1	0.5	2.73	5	110	1.48	15	63	35	5.29	.60	0.12	0.97	804	0	0.04	24	1030	0	182	0.41	174
92JRI 127-2	0.5	2.73	5	110	1.48	15	63	35	5.29	.60	0.12	0.97	804	0	0.04	24	1030	0	182	0.41	174
92JRI 128-1	4.0	1.94	5	40	1.13	15	46	26	4.58	.30	0.06	1.06	501	0	0.04	21	870	0	149	0.36	149
92JRI 128-2	4.0	1.94	5	40	1.13	15	46	26	4.58	.30	0.06	1.06	501	0	0.04	21	870	0	149	0.36	149
92JRI 129-1	0.5	2.39	5	70	1.19	17	69	37	5.50	.30	0.06	0.95	754	0	0.05	23	830	0	159	0.35	195
92JRI 129-2	0.5	2.39	5	70	1.19	17	69	37	5.50	.30	0.06	0.95	754	0	0.05	23	830	0	159	0.35	195
92JRI 130-1	4.0	4.31	5	60	0.62	14	103	29	4.59	.30	0.12	1.18	748	0	0.04	22	1460	2	240	0.33	215
92JRI 130-2	0.5	2.24	5	80	1.31	16	112	35	6.65	.30	0.05	1.09	925	0	0.05	34	1280	0	177	0.44	246
92JRI 130-5	0.5	2.24	5	80	1.31	16	112	35	6.65	.30	0.05	1.09	925	0	0.05	34	1280	0	177	0.44	246
92JRI 131-1	0.5	2.51	5	110	1.51	15	90	32	5.51	.40	0.06	1.15	701	0	0.04	29	1190	0	154	0.37	199
92JRI 131-2	0.5	2.51	5	110	1.51	15	90	32	5.51	.40	0.06	1.15	701	0	0.04	29	1190	0	154	0.37	199
92JRI 132-1	0.5	2.42	5	140	1.82	17	108	29	5.74	.60	0.06	1.17	917	0	0.06	27	1110	0	176	0.43	215
92JRI 132-2	0.5	2.42	5	140	1.82	17	108	29	5.74	.60	0.06	1.17	917	0	0.06	27	1110	0	176	0.43	215
92JRI 133-1	0.5	2.39	5	130	1.34	18	71	36	5.82	.30	0.09	1.25	956	0	0.07	28	1300	0	214	0.47	220
92JRI 133-2	0.5	2.39	5	130	1.34	18	71	36	5.82	.30	0.09	1.25	956	0	0.07	28	1300	0	214	0.47	220
92JRI 134-1	0.5	3.02	5	140	1.48	17	77	75	6.01	.30	0.11	0.87	835	0	0.07	17	1190	0	214	0.54	223
92JRI 134-2	1.0	2.70	5	130	1.52	19	35	60	5.68	.30	0.13	0.96	936	0	0.08	14	1260	0	187	0.51	211
92JRI 135-1	1.0	2.92	5	130	1.26	15	40	29	5.50	.30	0.09	0.82	721	0	0.02	31	830	0	183	0.44	215
92JRI 135-2	0.5	2.65	5	100	1.22	15	79	29	5.78	.40	0.09	1.18	946	0	0.08	30	1170	0	213	0.47	223
92JRI 136-1	0.5	3.00	5	40	1.21	16	86	29	6.31	.30	0.07	1.32	1063	0	0.08	33	1130	0	192	0.52	248
92JRI 136-2	5.0	3.01	5	150	1.39	16	20	22	4.72	.40	0.11	0.98	771	0	0.05	18	1440	0	188	0.32	155
92JRI 137-1	1.0	2.39	5	70	1.14	17	39	34	3.88	.30	0.12	1.18	748	0	0.07	22	1460	2	240	0.33	215
92JRI 137-2	1.0	2.39	5	70	1.14	17	39	34	3.88	.30	0.12	1.18	748	0	0.07	22	1460	2	240	0.33	215
92JRI 138-1	0.5	2.24	5	80	1.31	16	112	35	6.65	.30	0.05	1.09	925	0	0.05	34	1280	0	177	0.44	246
92JRI 138-2	0.5	2.24	5	80	1.31	16	112	35	6.65	.30	0.05	1.09	925	0	0.05	34	1280	0	177	0.44	246
92JRI 139-1	0.5	2.51	5	110	1.51	15	90	32	5.51	.40	0.06	1.15	701	0	0.04	29	1190	0	154	0.37	199
92JRI 139-2	0.5	2.51	5	110	1.51	15	90	32	5.51	.40	0.06	1.15	701	0	0.04	29	1190	0	154	0.37	199
92JRI 140-1	2.0	2.59	5	90	1.16	15	83	39	5.00	.30	0.09	1.20	792	0	0.04	28	1120	0	216	0.39	171
92JRI 140-2	2.0	2.59	5	90	1.16	15	83	39	5.00	.30	0.09	1.20	792	0	0.04	28	1120	0	216	0.39	171
92JRI 141-1	0.5	3.25	5	140	1.40	17	44	33	5.83	.50	0.08	1.08	952	0	0.06	22	1390	0	213	0.13	183
92JRI 141-2	5.0	3.32	5	90	1.64	15	44	33	5.83	.50	0.08	1.08	952	0	0.06	22	1390	0	213	0.13	183
92JRI 142-1	0.5	2.87	5	130	1.28	15	40	29	5.50	.60	0.09	0.82	721	0	0.02	31	830	0	183	0.08	77
92JRI 142-2	0.5	3.19	5	70	1.28	18	35	50	5.49	.100	0.05	1.46	836	0	0.05	25	700	0	60	0.19	130

Notes: All Ag results are less than or equal to 2ppm except for the following: 92JRI 101-2 (3 ppm).
All Au results are less than or equal to 20 ppb except for the following: PSC 92-32-8-2 (27 ppb).
All Sb results are less than or equal to 20 ppm except for the following: Rxx, x28, x32, x33, x38, x39, x40, x41, x42, x43 and x48 all equal 30 ppm.
All Cd results are less than or equal to 5 ppm.
All Tl, W results are less than or equal to 10 ppm.
All Au values of 0.2 ppb represent analysis below the detection limit.
All Ag values of 0.2 ppm represent analysis below the detection limit.
All Sb values of 2 ppm represent analysis below the detection limit.

Sources: McLaren, (1986a & b, and 1990)

Stream Sediment Sample Data

Sample No.	Au ppb	Al %	As ppm	Ba ppm	Ca %	Cd ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
807	1.0	2.48	10	140	1.13	20	42	47	4.72	70	0.07	1.06	873	1	0.04	34	700	0	120	0.18	113	80
808	1.0	0.52	70	100	0.35	34	29	27	5.05	400	0.07	0.35	971	1	0.00	70	340	10	31	0.05	56	130
809	0.5	2.21	10	130	1.34	19	34	39	4.70	150	0.08	1.03	530	0	0.05	33	670	0	110	0.21	122	80
813	0.5	4.40	5	160	1.19	18	42	47	5.04	110	0.09	1.08	786	0	0.07	22	1420	0	180	0.35	140	80
814	6.0	4.63	5	160	0.71	14	40	45	5.04	1000	0.09	1.79	986	0	0.07	22	1420	0	180	0.35	140	80
815	0.5	3.17	5	160	0.51	16	77	41	6.04	60	0.06	0.95	1030	0	0.03	23	1140	0	107	0.49	387	180
816	0.5	3.17	5	160	0.51	16	77	41	6.04	60	0.06	0.95	1030	0	0.03	23	1140	0	107	0.49	387	180
817	0.5	4.13	5	80	1.73	20	49	52	5.44	30	0.08	1.30	883	0	0.05	30	1040	0	176	0.34	176	90
818	0.5	4.20	5	80	1.73	20	49	52	5.44	30	0.08	1.30	883	0	0.05	30	1040	0	176	0.34	176	90
819	1.0	3.33	5	100	1.23	18	40	45	5.05	200	0.08	1.27	883	0	0.03	35	1000	0	134	0.33	137	90
820	1.0	3.33	5	100	1.23	18	40	45	5.60	70	0.06	1.38	795	0	0.04	21	1110	0	192	0.29	143	70
821	0.5	3.17	5	100	1.33	19	40	45	5.74	40	0.08	1.35	873	0	0.04	21	1130	0	204	0.35	144	70
822	1.0	0.64	5	100	1.86	22	42	53	5.67	60	0.09	1.53	879	0	0.06	28	1270	0	204	0.35	193	90
823	1.0	0.64	5	100	1.86	22	42	53	5.67	60	0.09	1.53	879	0	0.06	28	1270	0	204	0.35	193	90
402	2.0	3.56	5	100	0.66	21	47	38	5.95	1200	0.07	1.63	942	0	0.05	27	890	0	149	0.42	261	100
403	2.0	3.00	5	110	0.66	21	47	38	5.44	50	0.08	1.20	864	0	0.01	15	530	2	60	0.04	64	100
404	80.0	1.32	30	140	0.40	26	41	43	5.04	400	0.08	0.44	1238	0	0.01	15	530	2	60	0.01	64	100
405	5	2.11	30	390	0.51	35	41	43	5.24	240	0.10	0.98	973	1	0.01	39	430	1	71	0.01	34	130
406	1.0	3.18	5	70	1.29	17	134	49	9.62	30	0.05	0.94	1472	1	0.05	27	1410	0	248	0.51	267	130
407	0.5	3.18	5	70	1.29	17	134	49	9.62	30	0.05	0.94	1472	1	0.05	27	1410	0	248	0.51	267	130
410	16.0	3.98	5	50	2.52	12	30	26	7.29	40	0.08	0.91	1237	1	0.07	9	1360	0	227	0.51	266	140
411	6.0	4.0	5	50	2.52	12	30	26	7.29	40	0.08	0.91	1237	1	0.07	9	1360	0	227	0.51	266	140
412	0.5	2.63	5	60	1.08	14	60	31	5.30	40	0.07	1.02	844	0	0.05	31	1280	0	183	0.45	248	130
413	0.5	2.63	5	60	1.08	14	60	31	5.30	40	0.07	1.02	844	0	0.05	31	1280	0	183	0.45	248	130
414	0.5	3.78	5	70	1.03	13	102	34	6.06	40	0.06	0.76	913	0	0.06	27	980	0	193	0.39	231	110
417	4.0	1.73	5	70	1.03	13	102	34	6.06	40	0.06	0.76	913	0	0.06	27	980	0	193	0.39	231	110
418	0.5	2.22	5	60	1.39	15	65	39	6.07	30	0.06	1.09	838	1	0.06	34	1220	0	178	0.41	223	140
419	0.5	2.22	5	60	1.39	15	65	39	6.07	30	0.06	1.09	838	1	0.06	34	1220	0	178	0.41	223	140
420	0.5	4.06	5	70	2.27	13	28	22	7.12	40	0.10	0.94	1280	0	0.07	9	1430	0	230	0.54	259	140
421	1.0	1.84	5	70	0.83	11	41	36	6.88	40	0.08	0.61	1017	1	0.07	10	940	0	149	0.42	261	140
422	0.5	1.63	5	70	1.06	15	342	40	9.77	60	0.05	0.71	1144	1	0.06	44	1140	0	190	0.53	368	130
423	0.5	1.37	5	60	0.91	13	67	33	6.23	30	0.05	0.70	836	0	0.05	18	980	0	208	0.37	217	140
424	0.5	1.37	5	60	0.91	13	67	33	6.23	30	0.05	0.70	836	0	0.05	18	980	0	208	0.37	217	140
425	0.5	2.13	5	60	0.88	15	39	38	4.90	30	0.07	1.02	728	0	0.04	16	980	0	124	0.31	169	90
427	0.5	3.12	5	60	1.46	15	64	24	3.96	30	0.07	0.80	673	0	0.04	16	1360	0	124	0.26	124	70
430	0.5	2.88	5	60	2.38	16	71	48	5.45	80	0.03	1.40	630	0	0.10	26	3090	0	172	0.39	197	90
431	0.5	2.88	5	60	2.38	16	71	48	5.45	80	0.03	1.40	630	0	0.10	26	3090	0	172	0.39	197	90
432	11.0	4.54	5	150	0.77	16	37	53	4.52	170	0.12	1.35	881	0	0.07	22	1360	0	196	0.29	158	40
433	11.0	4.54	5	150	0.77	16	37	53	4.84	160	0.03	1.23	642	0	0.02	19	960	0	81	0.22	153	70
434	4.0	3.33	5	150	1.22	14	34	37	5.79	10	0.08	1.47	851	0	0.06	19	1090	0	153	0.29	184	70
435	1.0	3.00	5	130	1.22	14	34	24	5.57	60	0.10	1.15	927	0	0.04	10	1190	2	178	0.26	173	100
436	0.5	4.08