

GEOLOGY OF THE TELKWA RIVER AREA

NTS 93L/11

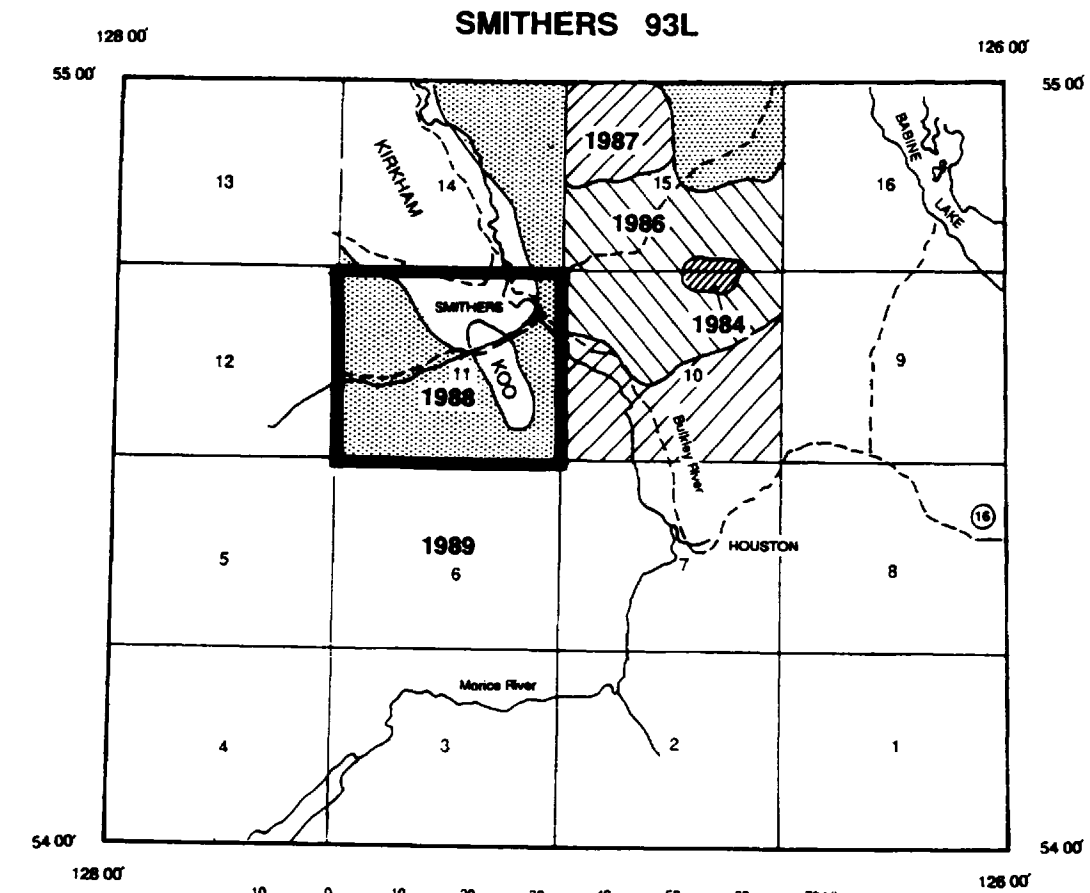
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SCALE 1:50,000

LEGEND

- ### LAYERED ROCKS
- #### LOWER CRETACEOUS (ALBIAN)
- SKEENA GROUP**
- IKS Red Rose Formation: shale, micaceous greywacke, chert pebble conglomerate, mudstone, coal bearing
- #### LOWER TO UPPER JURASSIC
- HAZELTON GROUP**
- MUJA Ashman Formation: marine black shale, siltstone, greywacke
- #### MIDDLE TO UPPER JURASSIC (CALLOVIAN TO OXFORDIAN)
- MJS Smithers Formation: felsitic sandstone, greywacke, siltstone, shale, minor pebble conglomerate, very fossiliferous
- #### MIDDLE JURASSIC (BAJOCIAN TO CALLOVIAN)
- LJT Nihiwasa Formation, Red Tuff Member: red, well-bedded air fall tuff, minor ash flow tuff
- #### LOWER JURASSIC (PLEINSBACHIAN TO TOARCIAN)
- LJN Nihiwasa Formation: marine shale, calcareous siltstone, limestone, minor chert, conglomerate at base
- #### LOWER JURASSIC (SINEMURIAN TO LOWER PLEINSBACHIAN)
- LJTa Talawa Formation: unbedded andesite, diorite, rhyolite, basalt, flows and pyroclastics
 - LJTb Basalt Flow-Rad Tuff Facies: amygdaloidal aegle phyric basalt, basaltic tuff, red tuff and apatite
 - LJTc Siliceous Pyroclastic Facies: quartz-feldspar phyric ash flows, ignimbrite, breccia, siliceous air fall tuff, red tuff, basalt, rhyolite flows
- ### INTRUSIVE ROCKS
- #### LATE CRETACEOUS TO EOCENE
- GD granodiorite, quartz diorite
 - DR diorite, quartz diorite
 - RH rhyolite, felsite
 - FP felsitic porphyry
 - BFP biotite - felsitic porphyry
 - HFP hornblende - biotite - felsitic porphyry
 - QFP quartz - felsitic porphyry

- ### SYMBOLS
- area of outcrop
 - geologic contact (defined, assumed)
 - fault (defined, assumed)
 - thrust fault (defined, assumed)
 - bedding (inclined, vertical)
 - foliation (inclined, vertical)
 - dyke (inclined, vertical)
 - vein (inclined, vertical)
 - fossil locality
 - mineral occurrence locality
 - 1986 Regional Geochemical Survey sample site
 - 1988 Rock Geochemistry sample site



1986 REGIONAL GEOCHEMICAL SURVEY - STREAM SEDIMENT ANALYSES - NTS MAP 93L/11

MAP NO.	RCS NO.	AU ppm	AG ppm	AS ppm	SB ppm	CU ppm	MO ppm	W ppm	BA ppm	PB ppm	ZN ppm	AG ppm	NI ppm	CO ppm	MN ppm	FE%	LO%	PH
1	861186	1	30	7.0	0.1	36	1	2	960	8	91	0.1	14	8	890	3.15	1.4	7.0
2	861189	1	15	4.0	0.1	36	1	2	314	6	69	0.1	37	18	800	4.21	7.6	7.5
3	861192	1	60	4.0	0.5	31	1	2	354	6	69	0.1	37	18	800	4.21	7.6	7.5
4	861242	1	60	4.0	0.5	31	1	2	354	6	69	0.1	37	18	800	4.21	7.6	7.5
5	861288	3	40	5.0	0.6	17	1	1	430	7	67	0.1	21	11	700	3.41	4.0	7.2
6	861291	3	60	5.0	0.8	28	1	1	621	11	110	0.1	15	13	520	2.40	4.2	7.2
7	861292	3	75	8.0	0.3	28	1	1	883	12	143	0.1	38	14	700	3.35	13.6	7.4
8	861301	3	60	5.0	0.8	28	1	1	621	11	110	0.1	15	13	520	2.40	4.2	7.2
9	861302	3	75	8.0	0.3	28	1	1	883	12	143	0.1	38	14	700	3.35	13.6	7.4
10	861411	1	20	4.0	0.1	25	1	1	540	7	68	0.2	17	11	640	2.93	2.4	7.5
11	861412	1	20	4.0	0.1	25	1	1	540	7	68	0.2	17	11	640	2.93	2.4	7.5
12	861413	1	20	4.0	0.1	25	1	1	540	7	68	0.2	17	11	640	2.93	2.4	7.5
13	861414	1	20	4.0	0.1	25	1	1	540	7	68	0.2	17	11	640	2.93	2.4	7.5
14	861428	1	25	10.0	0.4	32	1	1	697	12	152	0.1	21	15	740	4.66	4.2	7.5
15	861429	1	25	10.0	0.4	32	1	1	697	12	152	0.1	21	15	740	4.66	4.2	7.5
16	861470	60	40	8.0	1.4	12	1	1	821	5	81	0.1	22	16	780	3.37	3.4	7.6
17	861480	80	45	4.0	2.3	19	2	1	911	17	81	0.1	6	5	430	2.76	2.6	6.6
18	861484	19	30	26.0	1.6	450	8	5	689	16	290	0.1	18	28	1320	4.76	3.2	6.6
19	861485	30	27.0	1.0	227	4	20	538	27	438	0.5	30	45	1800	3.90	7.4	6.8	
20	861486	7	30	26.0	1.6	450	8	5	689	16	290	0.1	18	28	1320	4.76	3.2	6.6
21	861487	4	20	10.0	2.0	49	1	1	788	18	202	0.1	19	16	1400	3.78	-1.0	7.5
22	861488	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
23	861489	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
24	861490	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
25	861491	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
26	861492	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
27	861493	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
28	861494	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
29	861495	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
30	861496	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
31	861497	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
32	861498	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
33	861499	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
34	861500	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
35	861501	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
36	861502	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
37	861503	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
38	861504	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
39	861505	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
40	861506	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
41	861507	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
42	861508	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
43	861509	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
44	861510	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
45	861511	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
46	861512	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
47	861513	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
48	861514	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
49	861515	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
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51	861517	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
52	861518	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
53	861519	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
54	861520	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
55	861521	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
56	861522	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
57	861523	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
58	861524	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
59	861525	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
60	861526	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
61	861527	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
62	861528	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
63	861529	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
64	861530	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
65	861531	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
66	861532	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
67	861533	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
68	861534	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
69	861535	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
70	861536	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
71	861537	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
72	861538	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2	7.6
73	861539	1	20	3.0	2.9	40	1	1	490	5	68	0.1	22	16	880	3.44	5.2</	