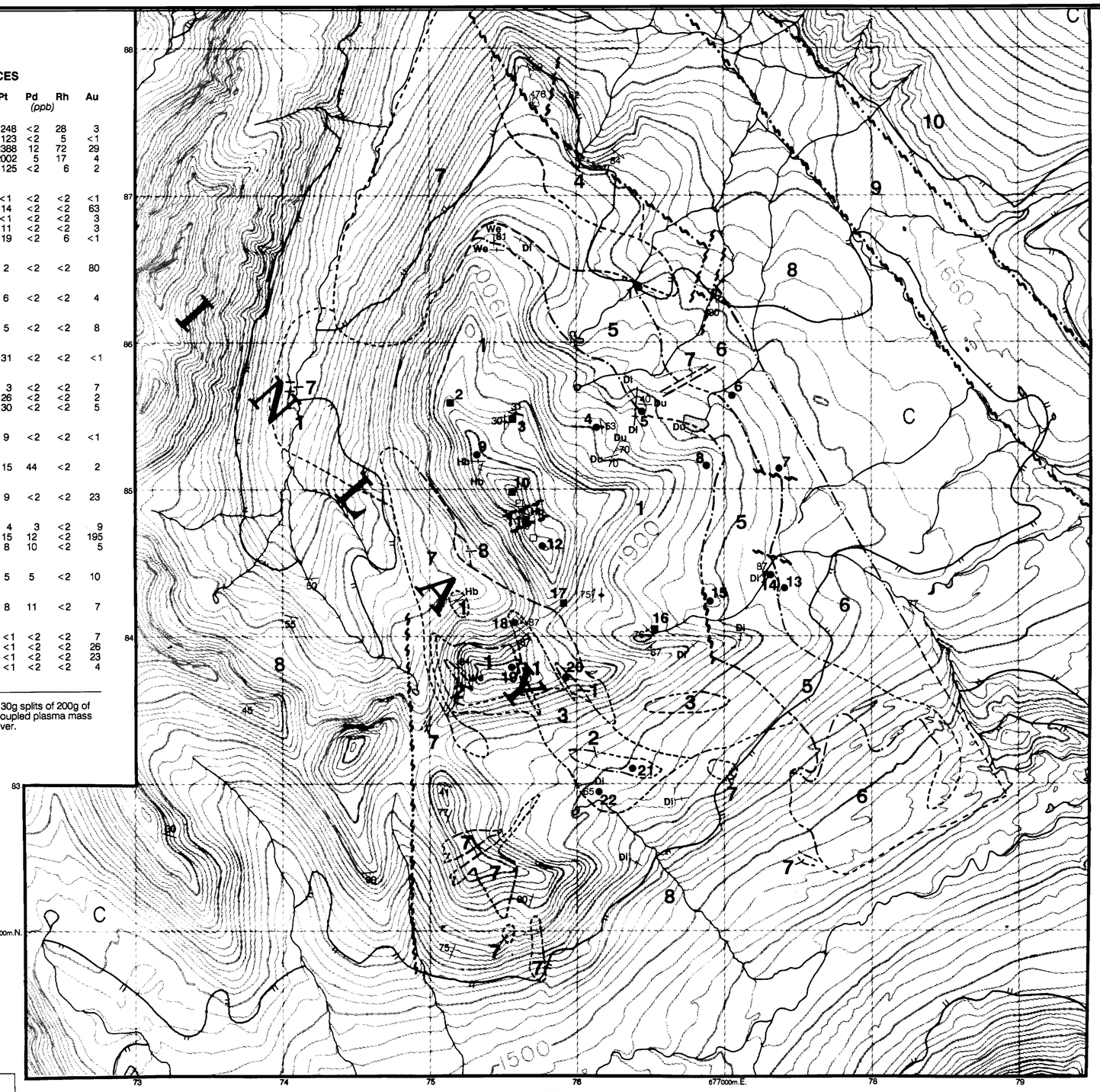
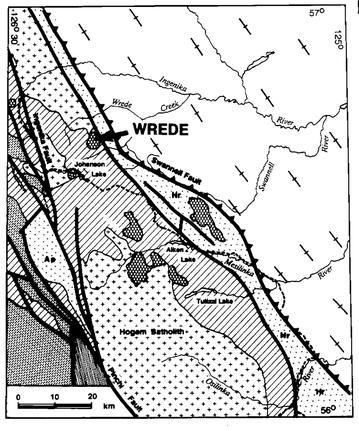
NOBLE METAL ABUNDANCES

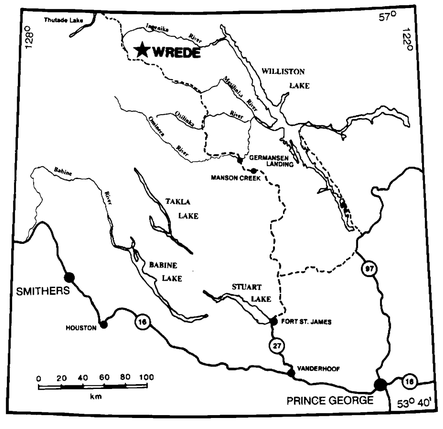
LOCALITY	UTM ZONE 9V Northing	Easting	SAMPLE	Pt	Pd	Rh	Au
				(ppb)			
CHROMITITE							
2	6285600N	675140E	GN-89-6006-1	248	<2	28	3
3	6285490N	675580E	GN-89-8002B	123	<2	5	<1
10	6284980N	675570E	GN-89-8000A	2388	12	72	29
16	6284050N	676520E	GN-89-7027A	2002	5	17	4
17	6284230N	675900E	GN-89-6026	125	<2	6	2
DUNITE WITHIN CHROMITE RICH ZONE							
2	6285600N	675140E	GN-89-6006-2	<1	<2	<2	<1
3	6285490N	675580E	GN-89-8002A	14	<2	<2	63
4	6285425N	676120E	GN-89-8017A	<1	<2	<2	3
10	6284980N	675570E	GN-89-8000B	11	<2	<2	3
16	6284050N	676520E	GN-89-7027B	19	<2	6	<1
DUNITE							
12	6284610N	675770E	GN-89-7005	2	<2	<2	80
DUNITE DIKE							
5	6285530N	676430E	GN-89-6008-1	6	<2	<2	4
CARBONATIZED DUNITE							
19	6283800N	675550E	GN-89-6024	5	<2	<2	8
WEHRLITE							
21	6283100N	676370E	GN-89-8020	31	<2	<2	<1
OLIVINE CLINOPYROXENITE							
5	6285530N	676430E	GN-89-6008-2	3	<2	<2	7
8	6285180N	676880E	GN-89-8011	26	<2	<2	2
15	6284260N	676900E	GN-89-9030	30	<2	<2	5
OLIVINE CLINOPYROXENITE DIKE							
5	6285530N	676430E	GN-89-6008-3	9	<2	<2	<1
CLINOPYROXENITE							
22	6282950N	676150E	GN-89-8018B	15	44	<2	2
HORNBLENDE CLINOPYROXENITE							
14	6284420N	677310E	GN-89-9026	9	<2	<2	23
CLINOPYROXENE-HORNBLENDE GABBRO							
6	6285645N	677040E	GN-89-7007A	4	3	<2	9
6	6285645N	677040E	GN-89-7007B	15	12	<2	195
13	6284340N	677400E	GN-89-7032	8	10	<2	5
HORNBLENDE GABBRO							
7	6285150N	677370E	GN-89-7011	5	5	<2	10
HORNBLENDITE							
1	6286400N	676420E	GN-89-6023	8	11	<2	7
HORNBLENDE PEGMATITE							
9	6285250N	675315E	GN-89-6004	<1	<2	<2	7
11	6284800N	675650E	GN-89-7001	<1	<2	<2	26
18	6284100N	675590E	GN-89-7041Z	<1	<2	<2	23
20	6283725N	675910E	GN-89-7043Z	<1	<2	<2	4

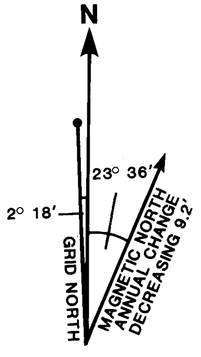
Noble metals were preconcentrated by fire assay using 30g splits of 200g of rock powder (-200 mesh) and analyzed by inductively-coupled plasma mass spectroscopy by Acme Analytical Laboratories, Vancouver.
Detection limits: Pt and Au 1 ppb; Pd and Rh 2 ppb.





GENERALIZED GEOLOGIC SETTING OF THE WREDE CREEK COMPLEX





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

Energy, Mines and Resources Canada | Énergie, Mines et Ressources Canada

OPEN FILE 1990-14

GEOLOGY AND NOBLE METAL GEOCHEMISTRY OF THE WREDE CREEK MAFIC-ULTRAMAFIC COMPLEX

NTS 94D/9

JANET L. HAMMACK, GRAHAM T. NIXON, RUSS H. WONG, WILLIAM P. E. PATERSON AND CAROLE NUTTALL

THIS PROJECT IS A CONTRIBUTION TO THE CANADA/BRITISH COLUMBIA MINERAL DEVELOPMENT AGREEMENT, 1985 - 1990

SCALE 1:16 000

LEGEND

INTRUSIVE ROCKS

GRANITOID ROCKS - MIDDLE JURASSIC

7 — *HORNBLENDE-BEARING QUARTZ MONZONITE/MONZONITE/QUARTZ DIORITE/DIORITE: BUFF-WHITE WEATHERING, WHITE TO PALE GREY, MEDIUM GRAINED, EQUIGRANULAR; INCLUDES RARE PLAGIOCLASE PORPHYRY*

WREDE CREEK MAFIC-ULTRAMAFIC COMPLEX - LATE TRIASSIC(?)

6 — *HORNBLENDE GABBRO/CLINOPYROXENE-HORNBLENDE GABBRO (10-40% PLAGIOCLASE; 50-90% HORNBLENDE; 0-30% CLINOPYROXENE) AND HORNBLENDITE/CLINOPYROXENE HORNBLENDITE (0-10% PLAGIOCLASE; 90-100% HORNBLENDE; 0-50% CLINOPYROXENE): PALE GREY TO BLACK WEATHERING, FINE TO COARSE GRAINED*

5 — *HORNBLENDE CLINOPYROXENITE (50-90% CLINOPYROXENE; 10-50% HORNBLENDE): MEDIUM BROWN WEATHERING, COARSE GRAINED*

4 — *UNDIFFERENTIATED CLINOPYROXENITE INCLUDES HORNBLENDE CLINOPYROXENITE (50-90% CLINOPYROXENE; 10-50% HORNBLENDE)/CLINOPYROXENITE (90-100% CLINOPYROXENE)/OLIVINE CLINOPYROXENITE (60-90% CLINOPYROXENE; 10-40% OLIVINE)/OLIVINE-HORNBLENDE CLINOPYROXENITE (50-90% CLINOPYROXENE; 10-50% HORNBLENDE; 5-15% OLIVINE): DARK TO MEDIUM GREY-GREEN WEATHERING, MEDIUM TO COARSE GRAINED*

3 — *OLIVINE CLINOPYROXENITE (10-40% OLIVINE; 60-90% CLINOPYROXENE): MEDIUM TO PALE GREY-GREEN WEATHERING, MEDIUM TO COARSE GRAINED*

2 — *WEHRLITE (40-65% OLIVINE; 35-60% CLINOPYROXENE): DARK TO MEDIUM BROWN WEATHERING, PREDOMINANTLY MEDIUM GRAINED OR MEDIUM TO COARSE GRAINED*

1 — *DUNITE (90-100% OLIVINE; 0-10% CLINOPYROXENE): PALE BUFF-ORANGE WEATHERING, DARK GREY TO BLACK, FINE TO MEDIUM GRAINED*

STRATIFIED ROCKS

TAKLA GROUP - UPPER TRIASSIC

8 — *BROWN TO DARK GREY WEATHERING, MEDIUM GREY-GREEN AND DARK GREY AUGITE AND AUGITE-PLAGIOCLASE CRYSTAL TUFFS, FLOWS AND VOLCANIC BRECCIA*

LAY RANGE ASSEMBLAGE (HARPER RANCH GROUP) - UPPER PALEOZOIC

9 — *PHYLLITE, PHYLLITIC QUARTZITE, CHLORITE SCHIST, CHERT, LITHIC TUFF, VOLCANIC BRECCIA AND MINOR PILLOW BASALT*

EAGLE BAY ASSEMBLAGE - UPPER PROTEROZOIC TO PALEOZOIC

10 — *CLASTIC AND VOLCANIC ROCKS*

SYMBOLS

- Geological boundaries (defined or approximate, gradational, assumed)
- Geological boundary inferred from aeromagnetic data
- Bedding attitude (inclined, vertical) — 40
- Magmatic layering — 50
- Schistosity or foliation attitude (inclined, vertical) — 60
- High-angle fault or shear zone (defined, inferred)
- Dikes (Di - diorite, quartz diorite, monzonite and quartz monzonite; We - wehrlite; Du - dunite; Hb - Horblende-feldspar pegmatite) — 70 Di We
- Chromitite schlieren orientation — 80
- Other chromitite localities — □
- Chromitite geochemical sample site — ■2
- Geochemical sample site — ●5
- Outcrop

0 1 2 km