

ASSAY SAMPLES — ANALYTICAL RESULTS

STATION	OCCURRENCE TYPE	Au ppb	Ag ppm	Hg ppb	As ppm	Sb ppm
86 JD 9.1	A	<30	<10	850	1 300	<10
86 JD 9.2	A	<30	192	40	<10	<10
86 JD 9.5	A	<30	10	2 070	200	<10
86 JD 10.3	A	<30	10	346	106	<10
86 JD 10.8	A	<30	10	960	246	<10
86 JD 11.4	A	<30	13	1 080	900	<10
86 MM 11.9	A	<30	11	69	<20	<10
86 LD 13.3	A	<30	<10	57	<20	<10
86 JD 13.7	V	25	12	220	<20	<10
86 MM 15.3	A	<30	<10	2 000	680	<10
86 MM 17.1	A	<30	<10	1 140	115	<10
86 LD 17.7	A	<30	123	2 220	300	<10
86 LD 23.3a	A	<30	<10	1 370	200	<10
86 LD 23.3b	A	<30	14	8 240	120	<10
86 LD 26.8	A	<30	<10	32	<20	<10
86 MM 27.1	A	<30	12	78	<20	<10
86 LD 31.2	A	<30	<10	694	<20	<10
86 LD 32.1	A	220	13	402	<20	<10
86 MM 35.2	F	<15	<10	104	<20	<10
86 MM 35.3	F	<15	<10	<20	<20	<10
86 MM 37.1	F	<15	<10	778	<20	<10
86 LD 39.1a	F	<15	<10	35	<20	<10
86 LD 39.1b	V	67	<10	<20	<20	<10
86 LD 39.1c	V	10	<10	27	<20	<10
86 LD 41.1a	V	<15	<10	<20	<20	<10
86 MM 41.1b	V	22	<10	37	<20	<10
86 LD 41.2	V	18	42	126	<20	<10
86 LD 42.7	V	<15	<10	28	<20	<10
86 LD 43.7	V	<15	<10	30	68	<10
86 MM 44.2	V	18	42	126	<20	<10
86 LD 45.3	V	<15	<10	<20	<20	<10
86 MM 45.6	V	659	<10	58	60	<10
86 MM 45.7	V	<15	<10	<20	<20	<10
86 LD 46.1	V	<15	<10	116	<20	<10
86 LD 47.12	V	32	<10	<20	<20	<10
86 LD 51.1	V	584	<10	51	<20	<10
86 LD 51.2	V	4 400	<10	-	-	-

V VEIN — quartz, calcite, pyrite ± arsenopyrite
 A HYDROTHERMAL ALTERATION — silica, clay minerals, pyrite ± barite
 F FAULT BRECCIA — silica, clay minerals, pyrite

MINERAL OCCURRENCES

MINFILE NO.	NAME	COMMODITIES
93E004	Ox Lake	Cu, Mo
93E036	Riverside	Au, Ag, Cu, Zn
93E040	Sea, TL	Cu, Mo, Ag
93E056	Whitesail Range, Star	Au
93E057	Whitesail Outlet, Gut	Au, Cu
93E100	Jesse	Au, Ag, Pb, Zn, Cu
93E101	Ox-B, Ox-C	Ag, Pb, Zn, Au, Cu
93E105	Lean To	Ag, Cu, Pb, Zn
93E109	Suk, Barb	Au, Ag, Cu, Pb, Zn
93E119	Ox East	Zn, Pb, Ag

OPEN FILE MAP 1987/4
GEOLOGY OF WHITESAIL REACH AND TROITSA LAKE AREAS

NTS 93E/10W AND 93E/11E
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LEGEND

VOLCANIC AND SEDIMENTARY ROCKS

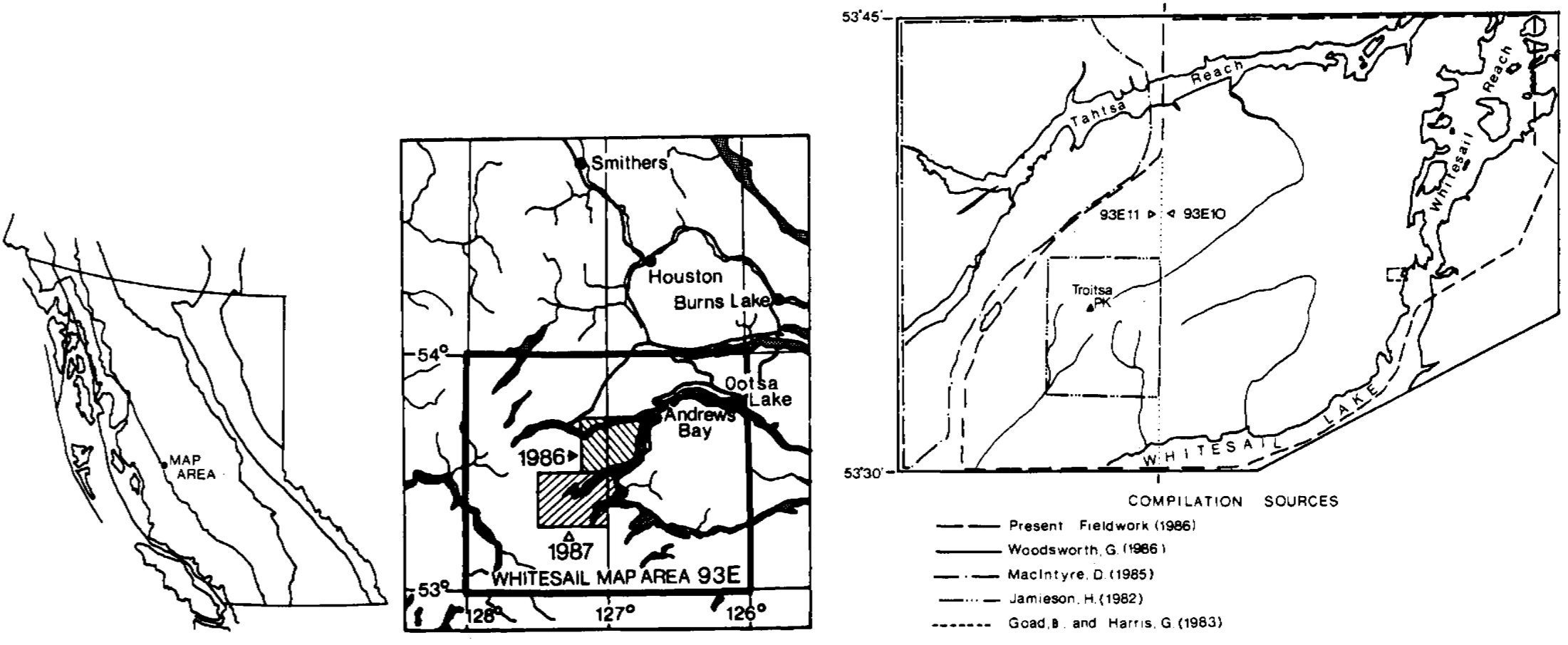
- QUATERNARY**
 Qal Glacial till and alluvium
- UPPER CRETACEOUS (?) AND TERTIARY**
OOTSALA LAKE GROUP
 II Polymictic cobble conglomerate, minor sandstone
 10 Andesitic flows, mauve, flow laminated, 2-5 per cent biotite and hornblende phenocrysts
 9 Rhyolitic flows, pink to mauve, flow laminated and locally spherulitic, sparse biotite phenocrysts; minor perlite; autoclastic breccia
 8 Andesitic flows, greyish-green to black, sparse porphyritic and locally vitrophyric; lahar (a); (b) coarse-grained plagioclase phyric flows, vesicular, vitric, similar to Unit 7a
 7 Basaltic flows: (a) green to maroon, coarse-grained plagioclase and augite phenocrysts, amygdaloidal and vesicular, thickly bedded, locally columnar jointed; interflow breccia; (b) interlayered debris flows; (c) aphyric flows, massive to columnar jointed; (d) lapilli crystal ash tuff, light grey, thinly bedded, recessive weathering
 6 Andesitic flows: (a) mauve, 1-2 per cent biotite phenocrysts; (b) grey flows interlayered with green lapilli tuff which contains rhyolitic biotite-bearing fragments; unconformably overlies Unit 2a
- UPPER CRETACEOUS**
KASALKA GROUP
 5 Amphibole-bearing ash tuff and lapilli tuff, tuff breccia, minor debris flows
- LOWER CRETACEOUS**
SKEENA GROUP
 4 Micaceous sandstone, pebble conglomerate and shale
- MIDDLE JURASSIC**
BOWSER LAKE GROUP
 3 ASHMAN FORMATION: Siltstone, shale, feldspathic sandstone, lithic arkose, medium to thickly bedded, fossiliferous
- MIDDLE TO LOWER JURASSIC**
HAZELTON GROUP
 2 SMITHERS FORMATION: (a) Siltstone, feldspathic sandstone, lithic arkose, greyish-green, minor shale, chert and limestone, thickly bedded, concretions, abundant fossils; (b) lapilli tuff, accretionary tuff, brownish-red to dark grey, thickly bedded to massive, gradational contact with Unit 2a
 1 TELKWA FORMATION: (a) Andesitic to basaltic tuffs and flows, maroon to green, minor sandstone and mudstone which contains plant debris; (b) rhyolite flows, cream, pink and green, flow laminated and spherulitic, interdigitated dacitic lapilli tuff, tuff breccia and minor marionitic ash flow tuff; widespread calcite-chlorite and zeolite alteration
- INTRUSIVE ROCKS**
 (a) Megaphyric plagioclase porphyry, probable feeders for Unit 7a; (b) quartz-biotite-feldspar porphyry
 (a) Porphyritic biotite-hornblende/diorite; (b) equigranular diorite and pegmatitic monzonite
 Granite and quartz monzonite

SYMBOLS

- Mineral Occurrence (Mineral inventory file number, location accurate to 200 meters or 500 meters) ● ▲
 Assay Sample Site (location accurate to 100 meters, one or more anomalous elements) □ ■
 Hydrothermal Alteration (silica, clay minerals, pyrite ± barite) ▨ ▩
 Main Outcrop Area ▭
 Geologic Contact (defined, approximate, assumed) —
 Bedding (horizontal, inclined, overturned) —
 Bedding, general trend (dip unknown) —
 Flow Banding (inclined, vertical) —
 Fault (solid circle on downthrown block; observed, inferred) —
 Thrust or Reverse Fault —
 Fold Axis —
 Glacial Ridge, Striae —
 Landslide —
 Limit of Geological Mapping —
 Fossil Locality —
 Radiometric Date Sample Site —

Province of British Columbia Ministry of Energy, Mines and Petroleum Resources
 Energy, Mines and Resources Canada Énergie, Mines et Ressources Canada

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Scale 1:50 000 Echelle
 Metres 1000 0 1000 2000 3000 4000 Mètres
 Miles 0 1 2 3