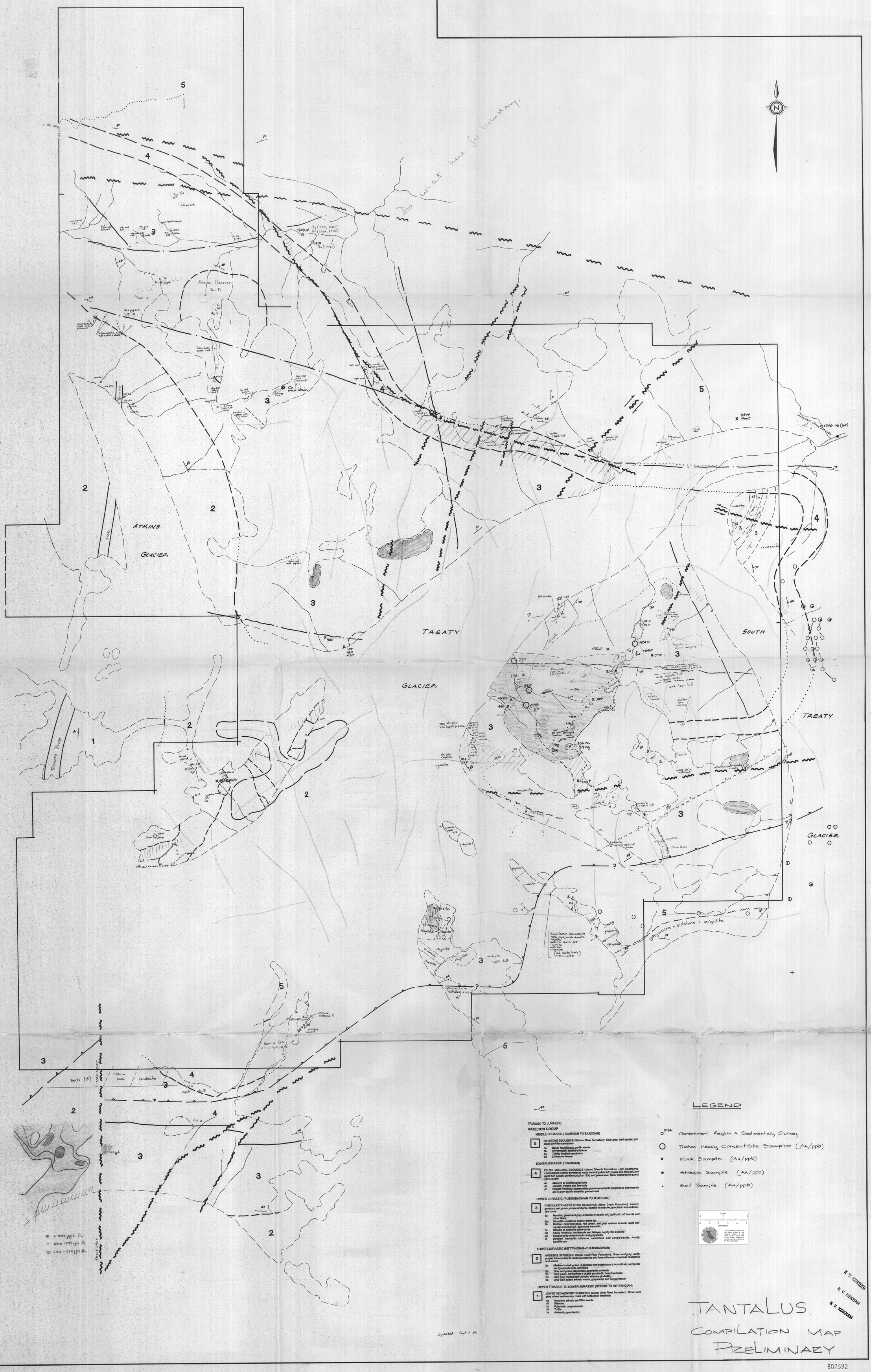
ATKINS GLACIER
TREATY GLACIER
SOUTH TREATY GLACIER
ATKINS PORPHYRY
Hb-Fs
andesite
rhyolite
greywacke + siltstone + argillite
Pillow lava
andesite
lapilli-tuff
Seds (3)
LEGEND
Government Region A Sedimentary Survey
Tueton Heavy Concentrate Samples (Au/ppb)
Rock Sample (Au/ppb)
Stream Sample (Au/ppb)
Soil Sample (Au/ppb)
TRIASSIC TO JURASSIC
HAZELTON GROUP
MIDDLE JURASSIC (TOARCIAN TO BAJOCIAN)
5 SILTSTONE SEQUENCE (Salmon River Formation): Dark grey, well bedded siltstone and fine sandstone
5a Basal, fossiliferous, pyritic wacke
5b Rhythmically bedded siltstone
5c Thickly bedded sandstone
5d Limestone lenses
LOWER JURASSIC (TOARCIAN)
4 FELSIC VOLCANIC SEQUENCE (Mount Dilworth Formation): Light weathering, intermediate to felsic pyroclastic rocks, including dust tuff, crystal and lithic tuff, and lapilli tuff. Locally pyritiferous (5 to 15%) and gossanous. Minor chalcedonic quartz veins locally
4a Massive to bedded airfall tuffs
4b Variably welded ash flow tuffs
4c Knipple Porphyry: coarse white glomeroporphyritic plagioclase phenocrysts set in grey dacitic-andesitic groundmass
LOWER JURASSIC (PLIENSBACHIAN TO TOARCIAN)
3 PYROCLASTIC-EPICLASTIC SEQUENCE (Betty Creek Formation): Heterogeneous, red, green, purple and grey, bedded to massive pyroclastic and sedimentary rocks
3a Massive, green and grey andesitic to dacitic tuff, lapilli tuff, tuff breccia and minor flows;
3ab Hematitic mudstone seams within 3a
3b Bedded, heterogeneous, red, green, and grey volcanic breccia, lapilli tuff, crystal and lithic tuff, commonly hematitic
3c Basaltic to andesitic pillow lavas
3d Atkins Porphyry: hornblende and feldspar porphyritic andesite
3e Massive grey arkosic rocks and greywacke
3f Bedded, hematitic siltstone, sandstone and conglomerate; locally fossiliferous
LOWER JURASSIC (HETTANGIAN–PLIENSBACHIAN)
2 ANDESITE SEQUENCE (Upper Unuk River Formation): Green and grey, rarely purple, intermediate to mafic pyroclastics and flows with minor interbeds of siltstone and wacke
2a Medium to dark green, K-feldspar and plagioclase ± hornblende porphyritic trachyandesite tuffs and flows
2b Grey and green plagioclase porphyritic andesite
2c Dark green, hornblende ± augite porphyritic basalt-andesite
2d Dark grey rhythmically bedded siltstone (turbidite)
2e Grey well-sorted arkosic wacke, greywacke and conglomerate
UPPER TRIASSIC TO LOWER JURASSIC (NORIAN TO HETTANGIAN)
1 LOWER SEDIMENTARY SEQUENCE (Lower Unuk River Formation): Brown and grey mixed sedimentary rocks with tuffaceous interbeds
1a Immature arkosic and lithic wacke
1b Siltstone
1c Polymictic conglomerate
1d Tuffite
1e Andesitic pyroclastics
Updated: Sept 5 '89
TANTALUS
COMPILATION MAP
PRELIMINARY
R. V. KIRKHAM
802692