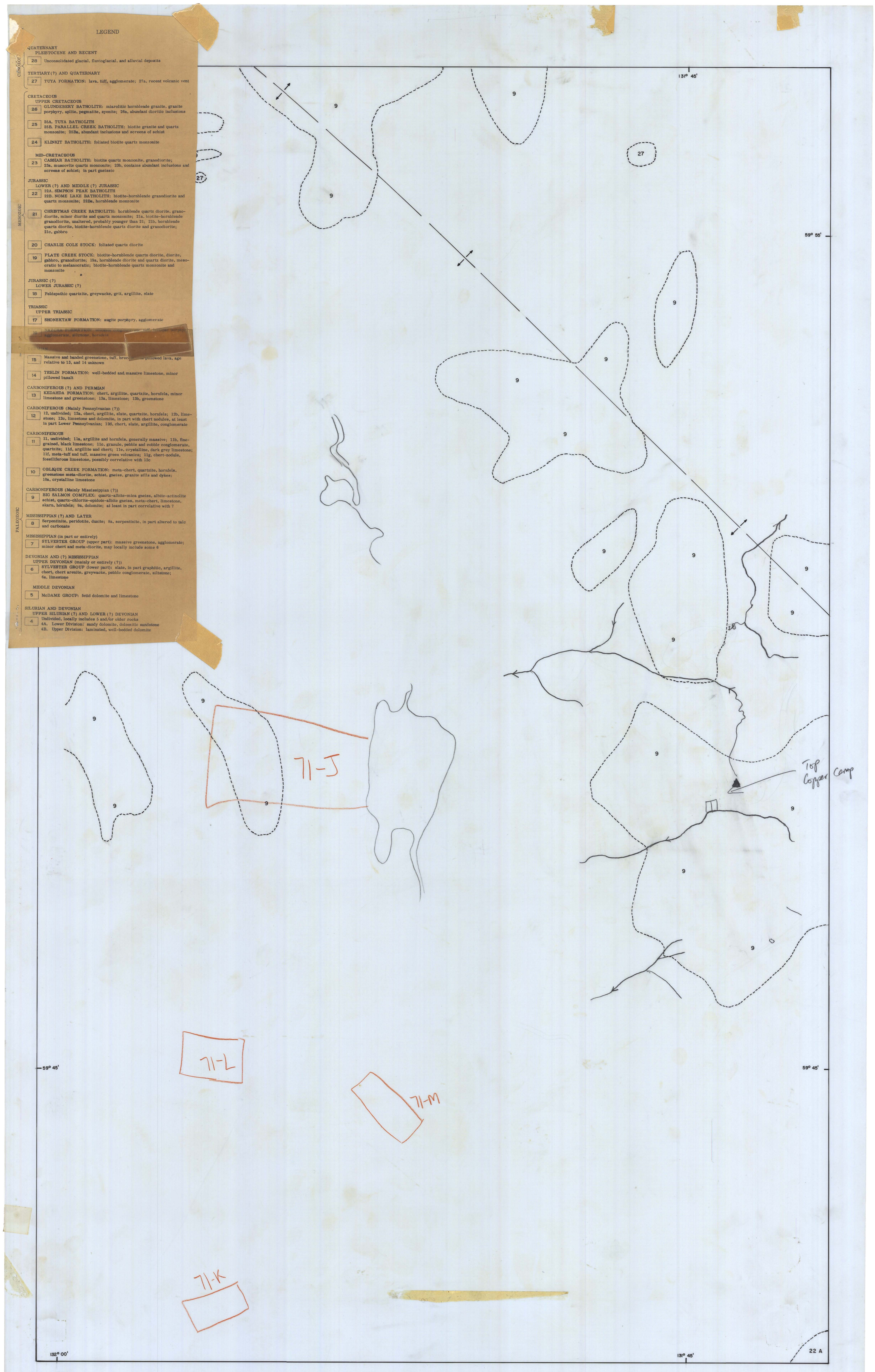

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

28	Unconsolidated glacial, fluvioglacial, and alluvial deposits

TERTIARY(?) AND QUATERNARY

27	TUYA FORMATION: lava, tuff, agglomerate; 27a, recent volcanic vent

MESOZOIC

CRETACEOUS
UPPER CRETACEOUS

26	GLUNDEBERY BATHOLITH: miarolitic hornblende granite, granite porphyry, aplite, pegmatite, syenite; 26a, abundant dioritic inclusions
25	25A. TUYA BATHOLITH 25B. PARALLEL CREEK BATHOLITH: biotite granite and quartz monzonite; 25Ba, abundant inclusions and screens of schist
24	KLINKIT BATHOLITH: foliated biotite quartz monzonite

MID-CRETACEOUS

23	CASSIAR BATHOLITH: biotite quartz monzonite, granodiorite; 23a, muscovite quartz monzonite; 23b, contains abundant inclusions and screens of schist; in part gneissic

JURASSIC
LOWER (?) AND MIDDLE (?) JURASSIC

22	22A. SIMPSON PEAK BATHOLITH 22B. NOME LAKE BATHOLITH: biotite-hornblende granodiorite and quartz monzonite; 22Ba, hornblende monzonite
21	CHRISTMAS CREEK BATHOLITH: hornblende quartz diorite, granodiorite, minor diorite and quartz monzonite; 21a, biotite-hornblende granodiorite, unaltered, probably younger than 21; 21b, hornblende quartz diorite, biotite-hornblende quartz diorite and granodiorite; 21c, gabbro
20	CHARLIE COLE STOCK: foliated quartz diorite
19	PLATE CREEK STOCK: biotite-hornblende quartz diorite, diorite, gabbro, granodiorite; 19a, hornblende diorite and quartz diorite, mesocratic to melanocratic; biotite-hornblende quartz monzonite and monzonite

JURASSIC (?)
LOWER JURASSIC (?)

18	Feldspathic quartzite, greywacke, grit, argillite, slate

TRIASSIC
UPPER TRIASSIC

17	SHONEKTAW FORMATION: augite porphyry, agglomerate
16	NAZCHA FORMATION: volcanic conglomerate, tuff, feldspar porphyry, agglomerate, siltstone, hornfels

PERMIAN

15	Massive and banded greenstone, tuff, brec[illegible] pillowed lava, age relative to 13, and 14 unknown
14	TESLIN FORMATION: well-bedded and massive limestone, minor pillowed basalt

PALEOZOIC

CARBONIFEROUS (?) AND PERMIAN

13	KEDAHDA FORMATION: chert, argillite, quartzite, hornfels, minor limestone and greenstone; 13a, limestone; 13b, greenstone

CARBONIFEROUS (Mainly Pennsylvanian (?))

12	12, undivided; 12a, chert, argillite, slate, quartzite, hornfels; 12b, limestone; 12c, limestone and dolomite, in part with chert nodules, at least in part Lower Pennsylvanian; 12d, chert, slate, argillite, conglomerate

CARBONIFEROUS

11	11, undivided; 11a, argillite and hornfels, generally massive; 11b, fine-grained, black limestone; 11c, granule, pebble and cobble conglomerate, quartzite; 11d, argillite and chert; 11e, crystalline, dark grey limestone; 11f, meta-tuff and tuff, massive green volcanics; 11g, chert-nodule, fossiliferous limestone, possibly correlative with 12c
10	OBLIQUE CREEK FORMATION: meta-chert, quartzite, hornfels, greenstone meta-diorite, schist, gneiss, granite sills and dykes; 10a, crystalline limestone

CARBONIFEROUS (Mainly Mississippian (?))

9	BIG SALMON COMPLEX: quartz-albite-mica gneiss, albite-actinolite schist, quartz-chlorite-epidote-albite gneiss, meta-chert, limestone, skarn, hornfels; 9a, dolomite; at least in part correlative with 7

MISSISSIPPIAN (?) AND LATER

8	Serpentinite, peridotite, dunite; 8a, serpentinite, in part altered to talc and carbonate

MISSISSIPPIAN (in part or entirely)

7	SYLVESTER GROUP (upper part): massive greenstone, agglomerate; minor chert and meta-diorite, may locally include some 6

DEVONIAN AND (?) MISSISSIPPIAN
UPPER DEVONIAN (mainly or entirely (?))

6	SYLVESTER GROUP (lower part): slate, in part graphitic, argillite, chert, chert arenite, greywacke, pebble conglomerate, siltstone; 6a, limestone

MIDDLE DEVONIAN

5	McDAME GROUP: fetid dolomite and limestone

SILURIAN AND DEVONIAN
UPPER SILURIAN (?) AND LOWER (?) DEVONIAN

4	Undivided, locally includes 5 and/or older rocks 4A. Lower Division: sandy dolomite, dolomitic sandstone 4B. Upper Division: laminated, well-bedded dolomite

JENNINGS RIVER GEOLOGY

SHEET 1

inches
0 1 2
0 1 2 3 4 5
centimetres