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NG DISTRIBUTION OF ANOMALOUSLY ABUNDANT ELEMENTS IN THE NONMAGNETIC, HEAVY-MINERAL-ION OF STREAM SEDIMENT FROM THE ANCHORAGE 1° × 3° QUADRANGLE, SOUTHERN ALASKA

Geologic map

Geologic map

Suggested types of mineral occurrences
, unit(s)

Jtr, Jaqd

Jtr, Jaqd

Jtr, Jaqd

Jtr, Jaqd

Suggested types of mineral occurrences

TKa, Tv

Tin-tungsten greisen or veins(?); molybdenum
porphyry(?).

Jtr, Jaqd

Jtr, Jaqd

Jtr, Jaqd

Llement suite similar to Willow Creek district,
but without detectable Au in concentrates,
and in different geologic unit.

Jqd, Jls,

Jqd, Jls,

Massive sulfides and ultramafic rocks in unit
Jt, Tar.

Jgd, Jls

Mo and Cu.

Ts, Tc, Tmi,
Massive sulfides in lower Boulder Creek,
several miles northeast of Puddingstone Hill.
Au may be from paleoplacer Au in unit Ts.

JPzpm, Kmc.

Massive and disseminated sulfides and (or)

placer Au(?).

Kv, Tc,
JPzpm, Kw,
Massive and disseminated sulfides and Au from
JPzpm, Kv,
and (or) Au-bearing veins in unit Kv.

JPzpm, Jg,
Magmatic segregation of sulfide minerals
and creek mineral occurrences
(this quadrangle) or Rusaw Creek mineral occurrences
(this quadrangle).

Mafic and felsic(?) intrusions and shale enriched
in metals(?). Similar in geology and geochemistry to Alfred Creek and Knob Lake areas.



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MAP I—1977

Irrea, concentrates from a number of areas also are geoefrom the Girdwood district. These areas include Harvard and and E9b), Mount Grosvenor (area E9c), and College and 3d).

In the cier, mostly in red, iron-stained rock outcrops sampled high in noraines are exposed (area E3); (2) on a glacier north of Mar-(4); and (3) in a rock sample from uppermost Glacier Creek, ant Robinson (area E7). In McHugh Creek (area E1), the suite om the McHugh Complex lacks gold but contains base metals. samples from the area of McHugh and Rabbit Creeks, and in 28 are (1) uppermost Glacier Creek (area E7), where a numundant (over 1,000 ppm) tin and cassiterite; and (2) the east 0). The tin may have been derived from felsic intrusive rocks ll, unmapped exposures of unit Tfi.



