EXPLANATION

Unconsolidated alluvial or colluvial deposits: roadway fill or rubble. Unless otherwise indicated conceals metabasalt.

Gold-copper mineralized zone at the hanging wall of the Road Cut fault zone. The mineralized zone is more copper-gold rich near its surface outcrop, at most locations, than the remainder of the fault zone. It contains the quartz-calcite zone which contains up to 22.7 percent copper and 33.26 ppm gold. Arrow shows dip, dotted where concealed. The gold-copper mineralized zone is crossed by sample lines 5 - 36 and splays to the east north of sample line 5 and is under cover south of sample line 36.

Ultramafic dike outcrop, sheared into discontinued lenses at some locations, characterized by phlogopite books up to 4 in. across in a gray-green groundmass.

Metadiorite outcrop, epidote altered, merocrystalline and locally porphyritic.

Road Cut fault zone, hanging wall and footwall boundaries. Contains the gold-copper mineralized zone at its hanging wall where shown. Composed of silicified brecciated metabasalt and, at some locations, contains low gold values at most drill intercepts. The Road Cut fault zone, excluding the gold-copper mineralized zone, is termed the DDH zone for resource discussion purposes. Question marks where estimated.

Prospect pit

DDH5 *elev 160* — XS1

Diamond drill hole number, elevation and cross section number (see figures 9 - 13). All holes inclined between -43 and -46, NQ core.

5 — 37

Sample line and sample locations. Numbers refer to sample profiles shown on figure 9.

Note: North and baseline established by transit or compass bearing and subject to error of local disturbances.

DDH6 *elev 194*

DDH5 *elev 194*

DDH3 *elev 208*

DDH2 *elev 183*

DDH7 *elev 176*

DDH4 *elev 188*

DDH1 *elev 179*

Sta A + 0 *elev 170*

Mt. Riley Trail

3.0 miles to Haines

Baseline N 39° W

MUD BAY

ROAD

TOP OF ROAD CUT

TOE OF ROAD CUT

HANGING WALL OF ROAD CUT FAULT ZONE

FOOTWALL OF ROAD CUT FAULT ZONE

TOP OF ROAD FILL

TOE OF ROAD FILL

XS1 XS2 XS3 XS4 XS5

210 200 190 180 170 160

0 20 40 60 80 100

Scale, feet

Contour interval is 10 ft.

Mapping and Geology by J. Still and K. Weir
Bureau of Mines
Juneau, Alaska
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Figure 7.— Road Cut Prospect showing geology, diamond drill holes and sample locations.