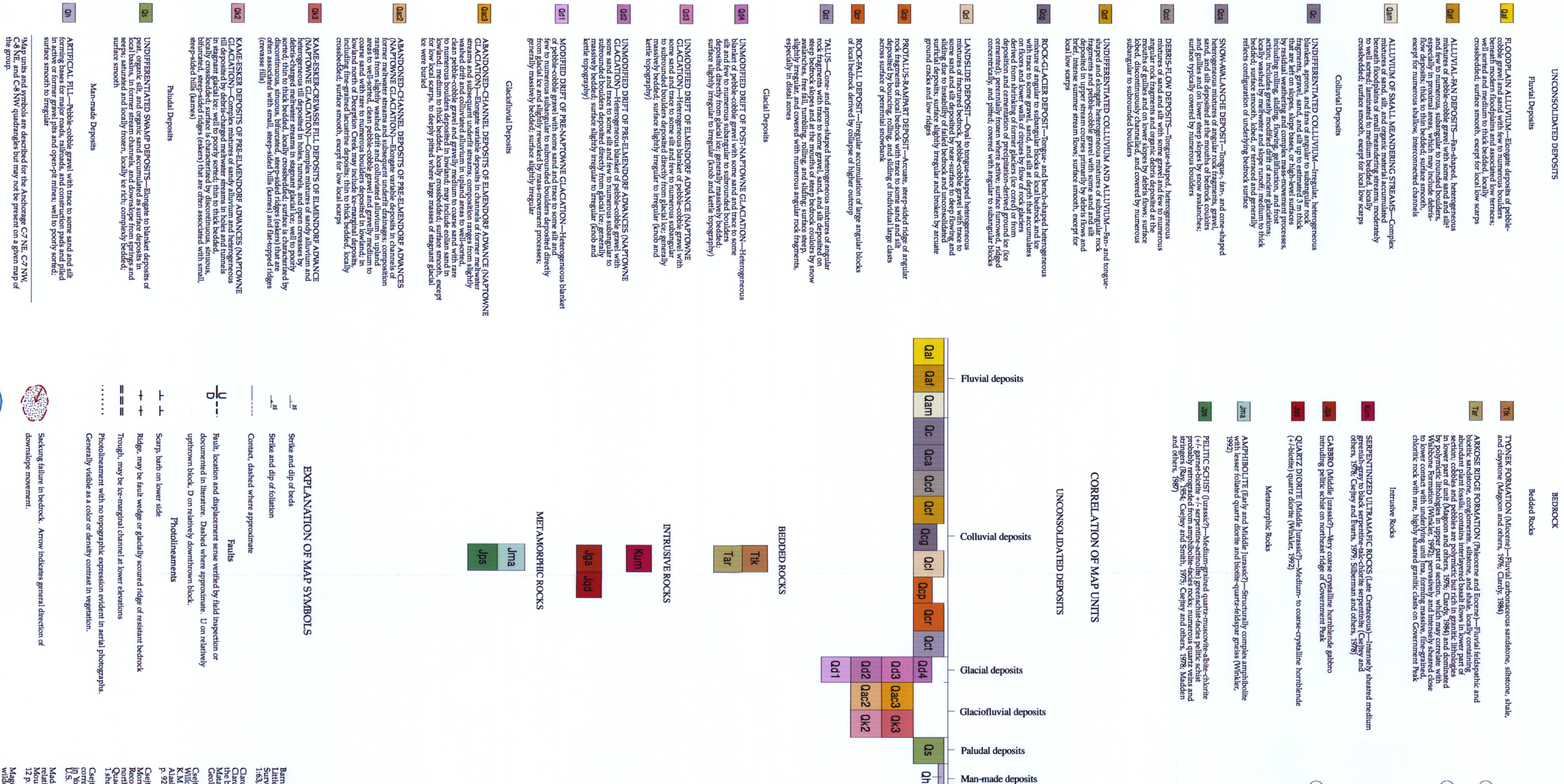


REPORT OF INVESTIGATIONS 94-25
Rager and others, 1994, sheet 1 of 2



1° x 3° Quadrangle, southern Alaska: U.S. Geological Survey Miscellaneous Investigations Map I-2283, 1 sheet, scale 1:250,000.

By
Richard D. Reger, Rodney A. Combellick, and DeAnne S. Pinney
1994

This DCGS Report of Investigations is a final report of scientific research. It has received technical review and may be cited as an agency publication.

UNCONSOLIDATED DEPOSITS

UNCONSOLIDATED DEPOSITS

TX **TONK FORMATION** (Miocene)---Fluvial carbonaceous sandstone, siltstone, shale and claystone (Magoon and others, 1976; Clardy, 1984)


INTRUSIVE ROCKS

PELTIC SCHIST (Jurassic?)—Medium-grained quartz-muscovite-albite-chlorite (+/- garnet-chlorite +/- serpentine-actinolite) greenschist-facies pelitic schist probably retrograded from amphibolite-facies rocks; numerous quartz veins and stringers (Ray, 1954; Cuthbert and Smith, 1975; Cuthbert and others, 1978; Madden

CORRELATION OF MAP UNITS

Colluvial
Glacial
Glaciofluvial

Qd1	Qd2	Qd2	Qd2
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Strike and dip of foliation
Contact, dashed where approximate

Scarp, butt on lower side

Ridge, may be fault wedges or glacially scoured ridge of resistant bedrock

Trough, may be ice-marginal channel at lower elevations

SLICKENING FAILURE IN BEDROCK. ARROW INDICATES GENERAL DIRECTION OF DOWNSLOPE MOVEMENT.

ridges in the eastern scoured C-8 NE Quadrangle that appear resistant, glacially sourced bedrock marked with Eimendorf-ages drill (Qd5). These linear ridges are parallel to the ice-flow direction. The linement at 2 may be a fault-bounded wedge of conglomerate or the surface expression of a glacially scoured, steeply dipping, resistant bed that is standing in relief and

channels, some of which are filled with abandoned-channel deposits (Quac3).

deposits

Elmendorf
advance of
Napowmte glaciation

te
aceous

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