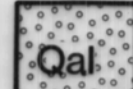
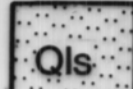
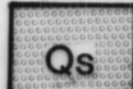
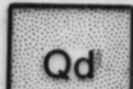
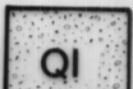


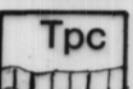



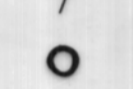




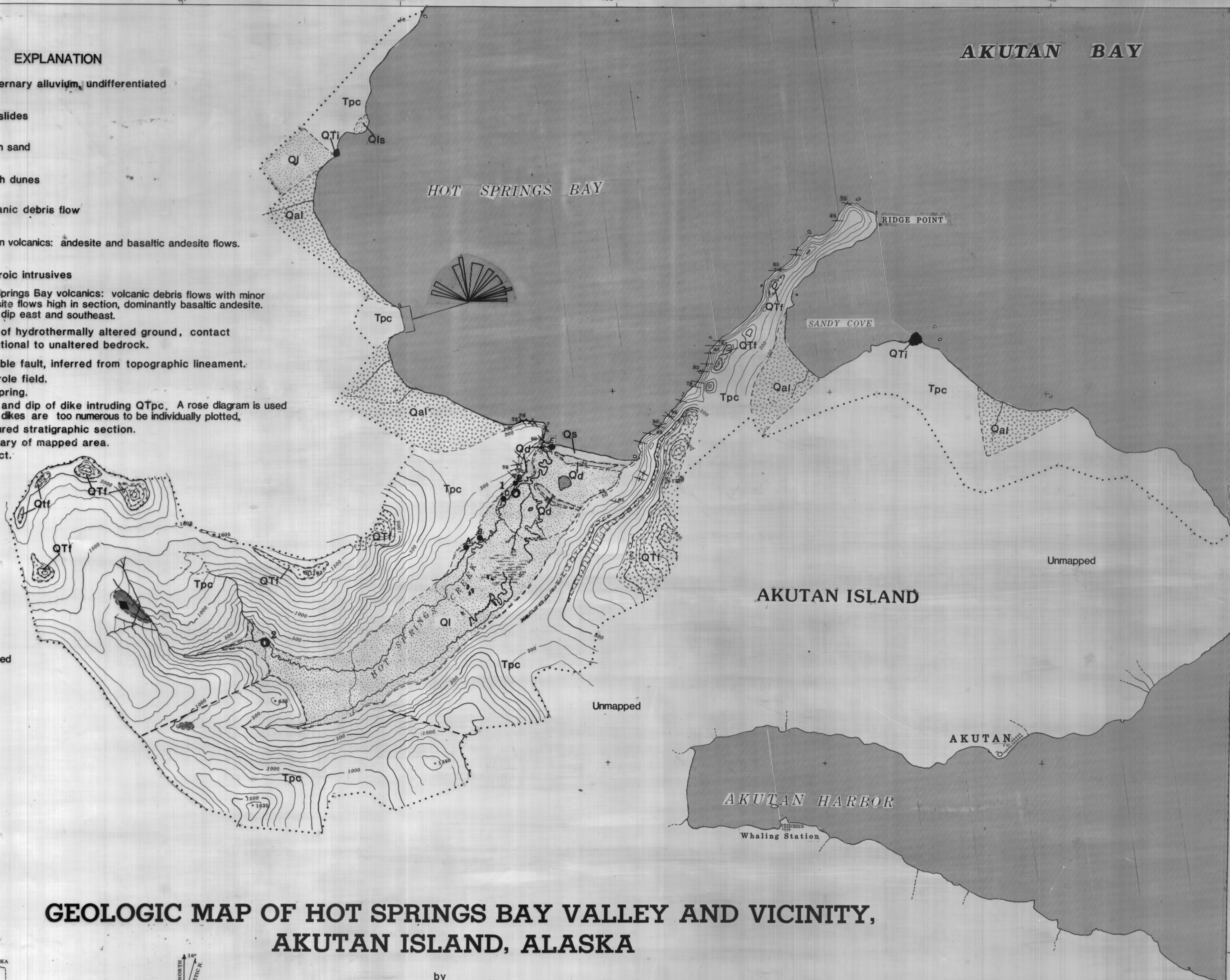


EXPLANATION

-  Qal Quaternary alluvium, undifferentiated
-  Qls Landslides
-  Qs Beach sand
-  Qd Beach dunes
-  Ql Volcanic debris flow
-  QTf Akutan volcanics: andesite and basaltic andesite flows.
-  QTl Gabbroic intrusives
-  Tpc Hot Springs Bay volcanics: volcanic debris flows with minor andesite flows high in section, dominantly basaltic andesite. Beds dip east and southeast.
-  Area of hydrothermally altered ground, contact gradational to unaltered bedrock.
-  Possible fault, inferred from topographic lineament.
-  Fumarole field.
-  Hot spring.
-  Strike and dip of dike intruding QTpc. A rose diagram is used where dikes are too numerous to be individually plotted.
-  Measured stratigraphic section.
-  Boundary of mapped area.
-  Contact.

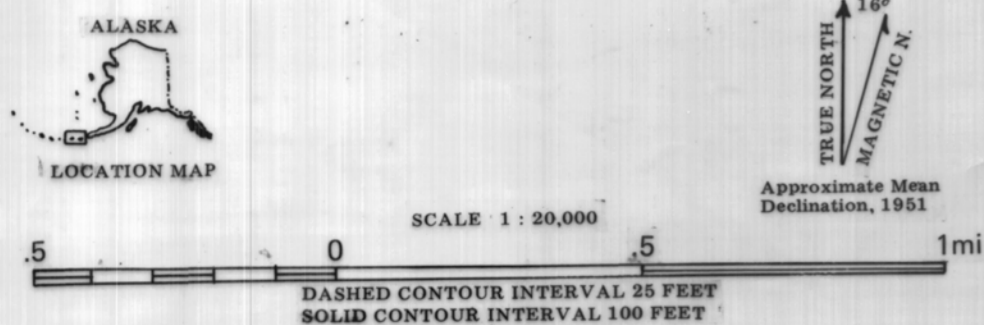


**GEOLOGIC MAP OF HOT SPRINGS BAY VALLEY AND VICINITY,
AKUTAN ISLAND, ALASKA**

by

D.L. Turner, J.D. Romick, S.E. Swanson, and R.J. Motyka

1985



Topography based on a geodetic survey & interpretation of oblique aerial photography by Roger Allely & Mark Larsen, 1981 - 1982. Cartography by Gabrielle LaRoche.

Coast outline based on U.S. Coast Guard Nautical Chart, Akutan Bay, no. 16531 (8720), 1943