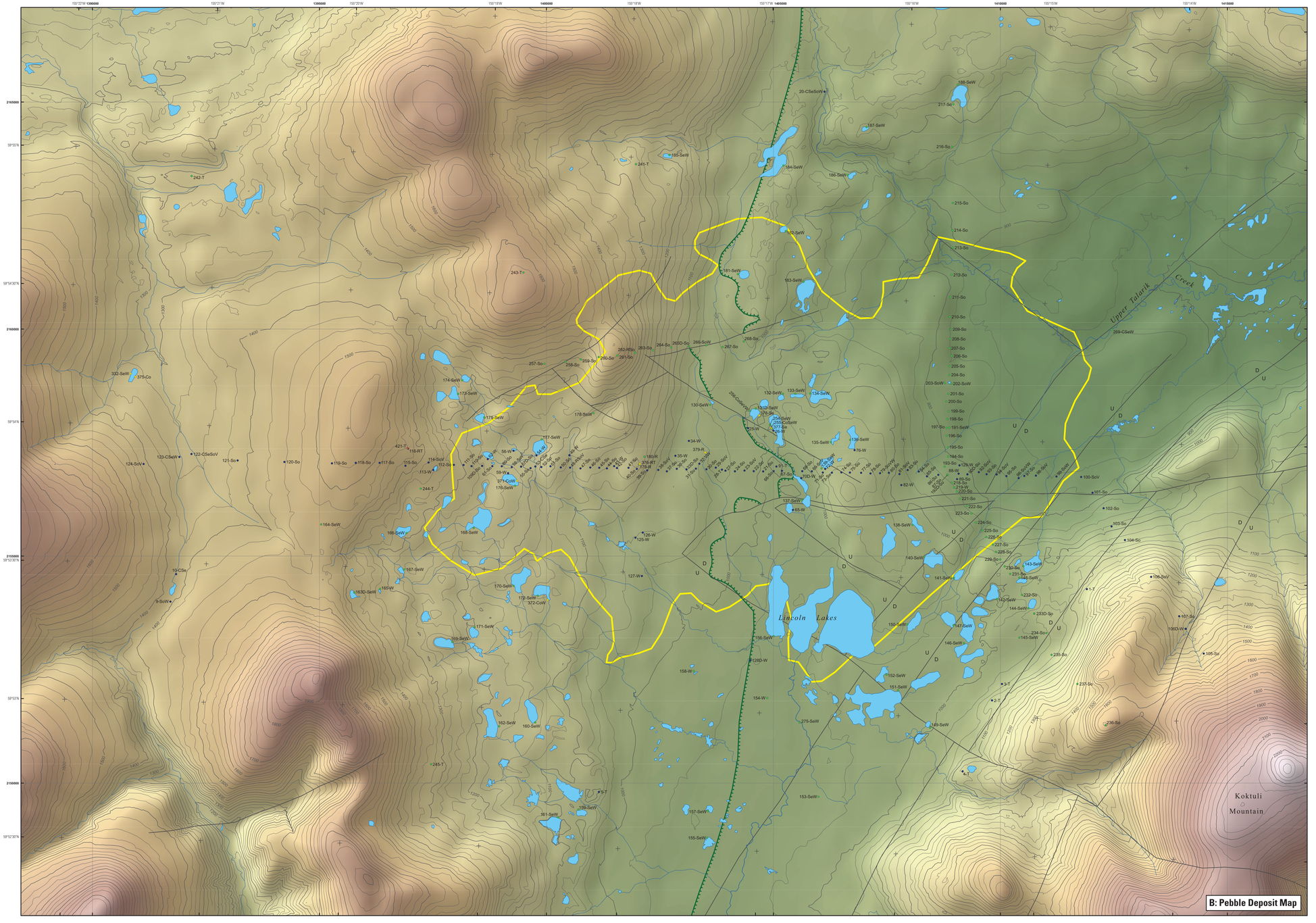
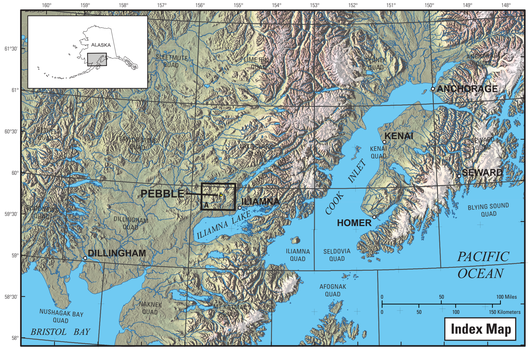
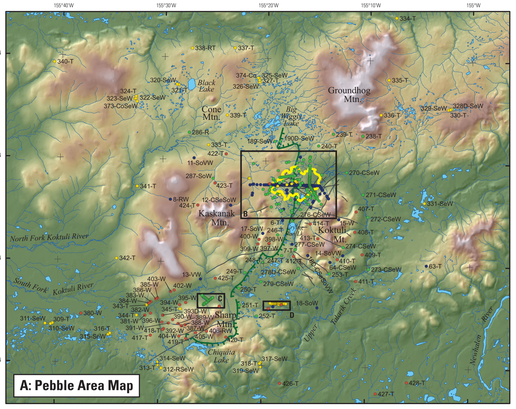
USGS
science for a changing world

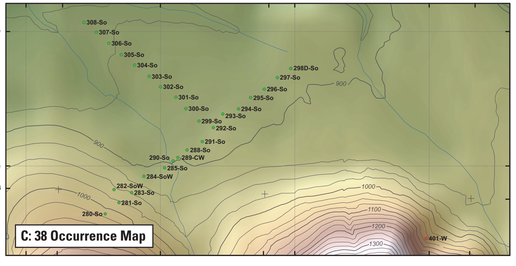
U.S. Department of the Interior
U.S. Geological Survey

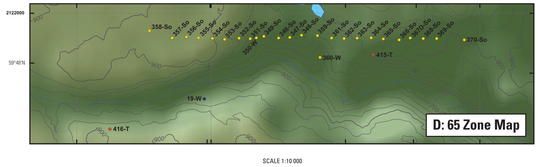
DATA SERIES 608
Plate 2 of 2











Geochemistry sample sites, quadrangle and state boundaries, cities and towns, topography and shaded relief: U.S. Geological Survey
Ore zone boundary, faults, drill hole locations, elevation contours, and extent of Tertiary cover: Northern Dynasty Minerals/Pebble Limited Partnership.
Hydrography: National Hydrological Dataset and unpublished aerial photography.

Pebble Area, Pebble Deposit, 38 Occurrence, and 65 Zone maps:
Projection: Alaska State Plane zone 5 (feet). Datum: NAD 83.
Central meridian: -154° W. Latitude of origin: 54° N.

Southwest Alaska map:
Projection: Albers equal-area (Alaska). Datum: NAD 83.
Central meridian: -153° W. Latitude of origin: 50° N.
Standard parallel 1: 55° N. Standard parallel 2: 65° N.

16°
APPROXIMATE MEAN DECLINATION, 2011

SCALE 1:10 000
0 1/2 1 2 MILES
0 5 1 2 3 KILOMETERS

Cartography by Stuart A. Giles.
Manuscript approved for publication May 27, 2011

GEOCHEMISTRY SAMPLE SITES

Geophysical, Geochemical, and Mineralogical Data from the Pebble Cu-Au-Mo Porphyry Deposit Area, Southwest Alaska: Contributions to Assessment Techniques for Concealed Mineral Resources

By

Eric D. Anderson, Steven M. Smith, Stuart A. Giles, Matthew Granitto, Robert G. Eppinger, Paul A. Bedrosian, Anjana K. Shah, Karen D. Kelley, David L. Fey, Burke J. Minsley, and Philip J. Brown

2011

Any use of trade names is for descriptive purposes only and does not imply endorsement by the United States Federal Government.

Suggested citation: Anderson, E.D., Smith, S.M., Giles, S.A., Granitto, Matthew, Eppinger, R.G., Bedrosian, P.A., Shah, A.K., Kelley, K.D., Fey, D.L., Minsley, B.J., and Brown, P.J., 2011, Geophysical, geochemical, and mineralogical data from the Pebble Cu-Au-Mo porphyry deposit area, southwest Alaska: Contributions to assessment techniques for concealed mineral resources: U.S. Geological Survey Data Series 608, 46 p., 2 plates, http://pubs.usgs.gov/ds/608.

SAMPLE SITE LABELS

[Sample site label suffixes indicate the sample media collected at each site]

C—Concentrate
Co—Pond sediment core
R—Rock
Se—Stream or pond sediment
So—Soil
T—Glacial till
V—Vegetation
W—Water

EXPLANATION

Sample sites
- 2007
- 2008
- 2009
- 2010

- Pebble 0.3% Cu eq. ore zone
- Limit of Tertiary cover
- Fault (U=upthrown, D=downthrown)

Pebble Area Elevation
- High: 2,800 feet (Groundhog Mtn.)
- Low: 400 feet (Upper Talarik Ck.)