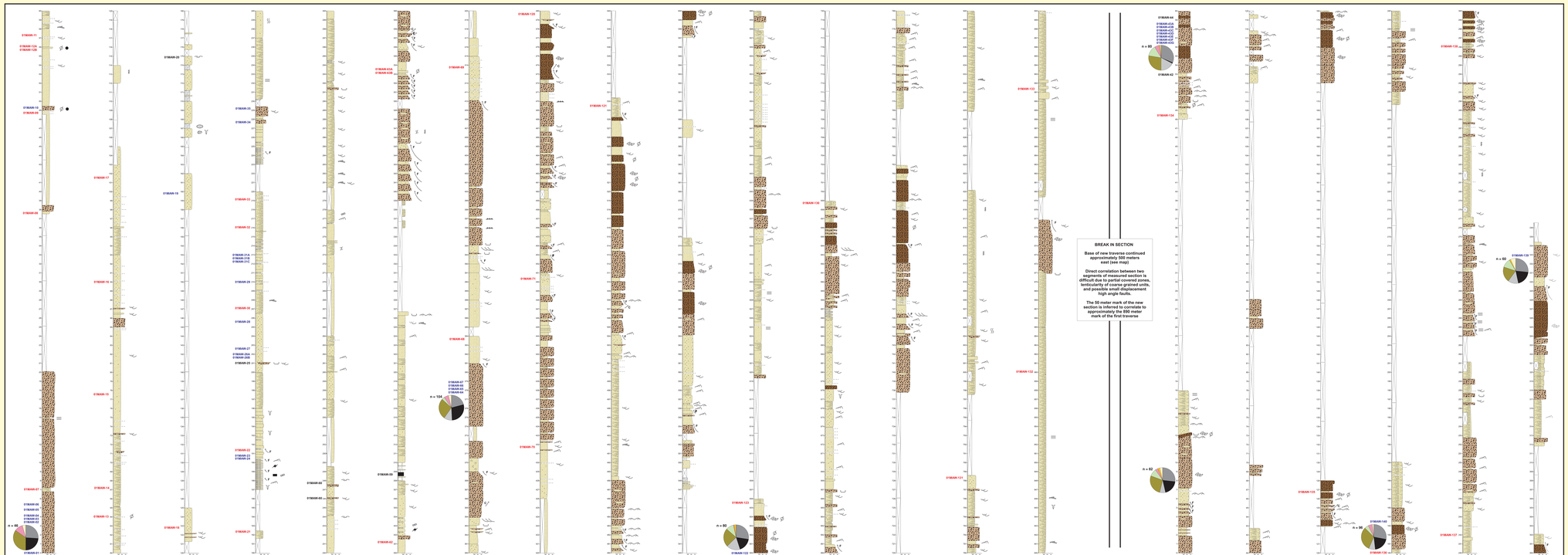
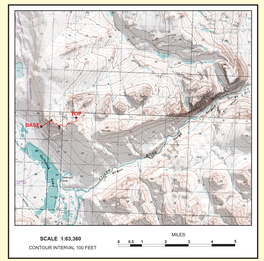
ALASKA DIVISION OF GEOLOGICAL &
GEOPHYSICAL SURVEYS

PIR 2008-1B Sheet B-1 (1 of 1)
Wartes

Atigun Syncline West Face



Location Map



Legend

Lithofacies
(generalized from lithofacies codes in table 1)

- Conglomerate (Poor-Fair Sorting)
- Conglomerate (Moderate-Excellent Sorting)
- Massive Sandstone
- Massive Pebbly Sandstone
- Thin-bedded Sandstone
- Thin-bedded Pebbly Sandstone
- Gravel Lag
- Siltstone

Clast Count
(see table 3 and text for discussion)

- dark gray chert & siliceous mudstone
- black chert & siliceous mudstone
- light to medium chert & siliceous mudstone
- gray-green chert & siliceous mudstone
- turqoise and green chert & siliceous mudstone
- other varicolored chert & siliceous mudstone
- Brookian siltstone & sandstone (graywacke)
- quartzite and vien quartz

GRAIN SIZE SCALE

cobble
pebble
granule
sand
silt
clay

vf = Very Fine
f = Fine
m = Medium
c = Coarse
vc = Very coarse
Md = Mud
Sd = Sand
Gr = Gravel

01MAW-08 Lithology Sample
01MAW-08 Clast Collection
01MAW-08 Thin Section Sample

Symbols

- Isolated Bivalve
- Bivalve Coquina
- Vertical Burrow
- Bioturbation
- Carbonaceous Matter
- Woody Debris
- Rip-up Clast
- Clast Imbrication
- Irregular Bedding Top
- Scour
- Plane Parallel Lamination
- Ripple
- Mega-ripple
- Planar Tabular Cross-bedding
- Trough Cross-bedding
- High Angle Foresets
- Low Angle Cross-bedding
- Fining-upward Trend
- Coarsening-upward Trend
- Calcareous Concretion
- Visible Porosity
- Solid Hydrocarbon
- Intense Fracturing
- Small Fault
- Covered Section