Amoco Production Company

Surface Log

Name North Unga Island Section

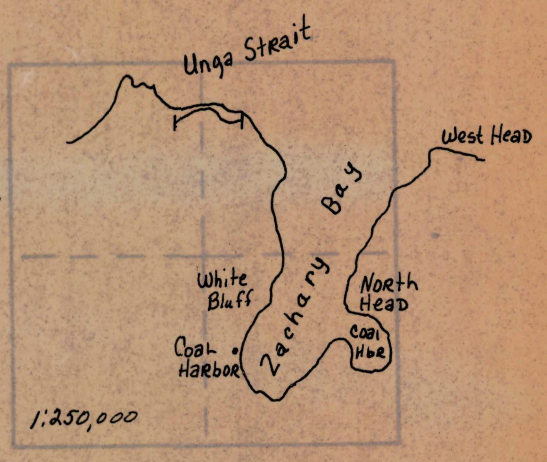
AREA OR QUAD Port Moller STATE Alaska

LOCATION Zachary Bay x) 55 S 74,75W Sec. TWP. RNG

MEASURED BY L. Smirnov, S. Williams DATE June 77

INTERVAL Unga Conglomerates

REMARKS This section exactly at the place Buzk's section 16a along Unga strait (see another section – Zachary Bay)



LOCATION 55° 21' N 160° 41' W

x) See. 24 – T55S, R 75 W
See. 19, 29, 30 – T55S, R 74 W

PLOTTED BY L. Smirnov DATE June 25/77

PERIODS | EPOCHS | GROUP or FM. | MEMBER | AGES (Ma est) | Main paleocurrent trend | CORES | SHOWS | DEPTH | LITHOLOGY | POROSITY | SAMPLES

DESCRIPTION

Top of the section placed at the first outcrop to the east of Unga Spit

0' — Unit 1: Ss-green-gray, vc-g, extremly poorly sorted, angular, contains volcanic gravel size material, massive.

Unit 2: Conglomerate-dark, vc-g, clasts of volcanic rocks, ss, argillites up to 6', rounded, matrix – vc-g ss, a lot of wood debris

45' — Unit 3: Interbedded: ss-gray-brown c-f-g, poorly sorted, lithic and volcanic clasts, carbonaceous with calcareous ss concretions; thin conglomeratic interbeds with lithic and volcanic clasts.

111' — Unit 4: Breccia-dark, angular clasts up to 4' of volcanic rocks, lenses of ss as above.

!xx) 135' — AP 3030 PP

AP 3029 Pf — Tuff-yellowish, weathered with argillite lenses and silicified wood debris.

157' — Unit 5: Interbedded: ss, breccias and conglomerates as above

Tuff-yellowish with volcanic debris up to 3' and a lot of wood fragments.

Breccia as in Unit 4

240' — Unit 6: Conglomeratic ss – brown, poorly sorted, subrounded volcanic and lithic, argillicious massive matrix. There are thin mudstones lenses up to 1" thick

280' — AP 3031 Pf

295' — AP 3032 Pf

300' — AP 3033 L

305' — AP 3034 L

S40W

Interbedded: ss – f-g, tan-yellow, friable, moder. sorted, arkosic, cross-bedded; silty argillites.

375' — AP 3035 L

390' — AP 3036 Pf Unit 7 — Conglomerate – volcanic and lithic clasts up to 3', tuffecious matrix. Argillite

Ss and argillites as above

AP 3037 Pf

Conglomerate as above

463'

End of the section placed at the beach.

633' — AP 3038 Pf — Argillite. This outcrop placed in the tidal zone, on the bottom between pebbles.

!xx) This breccia is a correlative horizon at long distance along Zachary Bay's cliff.