

149°26'W

149°24'W

149°22'W

60°8'N

60°7'N

60°6'N

60°5'N

60°4'N

60°8'N

60°7'N

60°6'N

60°5'N

60°4'N

Explanation of Map Symbols (also see text)

Tsunami inundation limits from tectonic sources:

-  Scenarios 1 & 2 - Repeat of 1964 tectonic event and modified 1964 event (PWS asperity)
-  Scenario 3 - Modified 1964 event (Kodiak asperity)
-  Scenario 4 - Hypothetical rupture of Pamplona zone
-  1964 Observed inundation limit (Lemke, 1967)

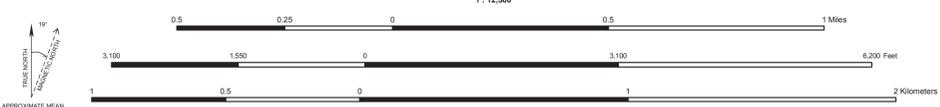
MAP ACCURACY LIMITATIONS

Although the location of inundation lines has an accuracy of approximately plus or minus 15 m horizontally relative to the model grid spacing, the true location accuracy is unknown because the lines are the result of a complex modeling process whose accuracy depends on many factors. These factors include suitability of the earthquake source model, accuracy of the bathymetric and topographic data, and the adequacy of the numerical model in representing the generation, propagation, and run-up of tsunami waves. Viewing the data at scales larger than 1:12,500 does not increase the accuracy of the line location.

TECTONIC TSUNAMI INUNDATION SCENARIOS, SEWARD, ALASKA

By
E.N. Suleimani¹, D.J. Nicolsky¹, D.A. West¹, R.A. Combellick², and R.A. Hansen¹
2010

SCALE
1 : 12,500



1 0.5 0 0.5 1 Miles
3,100 1,550 0 3,100 6,200 Feet
1 0.5 0 1 2 Kilometers

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This map is intended for emergency management use only. It is not appropriate for use in land-use regulation. See text for discussion of uncertainties.

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Orthophoto map base by Geoplys, acquired June 13, 2005

149°26'W

149°24'W

149°22'W