

March 28, 1964 Gulf of Alaska Tsunami

Date (UTC)	Time (UTC)	Source Location	Magnitude	Source Type	Maximum Runup (m)	Fatalities
March 28, 1964	03:36:14	61.05N 147.48W	9.2 Mw	Earthquake and Landslides	67.1	122

Let’s calculate an approximate travel time from Seward, Alaska to 3 locations:



Valparaiso Chile



Brisbane, Australia



and Victoria, British Columbia

You can use the website <http://www.timeanddate.com/worldclock/distance.html> to calculate approximate distances to cities near these locations. For example Seward is very near Anchorage, Alaska.

Then:  
Fill in the following chart:

	Average Ocean depth (m)	Average wave speed (m/s)	Average Wave Speed (km/hr)	Distance (km)	Approximate Travel Time (hrs)
		$= \sqrt{(9.81 * \text{depth})}$	$= (\text{m/s}) * 3600 / 1000$		Time = distance/speed
Seward - Valparaiso					
Seward - Brisbane					
Seward - Victoria					





