



## Sea Water Analysis, Oregon 2016

The following data was obtained from sea water samples that were collected from various locations along the Oregon Coast. Samples are collected quarterly and are analyzed for cesium-137 and iodine-131 content. Data is updated on the website quarterly.

Sample Date	Location	Cesium - 137 Activity pCi/L	Iodine - 131 Activity pCi/L
02/11/2016	Heceta Beach	* <MDA	* <MDA
02/12/2016	Harris Beach	* <MDA	* <MDA
02/18/2016	Peter Iredale	* <MDA	* <MDA
05/09/2016	Harris Beach	* <MDA	* <MDA
05/12/2016	Heceta Beach	* <MDA	* <MDA
05/18/2016	Fort Stevens	* <MDA	* <MDA

\*Minimum Detectable Activity (MDA): The MDA is defined as the smallest quantity of radioactivity that can be distinguished from background radiation under specified conditions.

\*\* Insufficient Quantity: There was not adequate precipitation to complete the water analysis.

### Units

Picocurie (pCi): A unit of measurement that tells you the rate at which a sample of radioactive material decays.

1 pCi = 0.037 Becquerel (Bq) = 2.22 radioactive decays per minute