



Sea Water Analysis, Oregon Coast 2012

The following data is collected from sea water samples taken from the Oregon coast. The samples are analyzed for Cesium 137 and Iodine 131.

Sample Date	Location	Cesium - 137	Iodine - 131
		Activity pCi/L	Activity pCi/L
12/05/2012	Heceta Beach	<MDA*	<MDA*
11/28/2012	Oswald State Park	<MDA*	<MDA*
11/19/2012	Harris Beach	<MDA*	<MDA*
11/09/2012	Heceta Beach	<MDA*	<MDA*
10/29/2012	Oswald State Park	<MDA*	<MDA*
10/16/2012	Harris Beach	<MDA*	<MDA*
10/09/2012	Heceta Beach	<MDA*	<MDA*
09/24/2012	Oswald State Park	<MDA*	<MDA*
09/17/2012	Harris Beach	<MDA*	<MDA*
09/11/2012	Heceta Beach	<MDA*	<MDA*
08/22/2012	Harris Beach	<MDA*	<MDA*
08/21/2012	Heceta Beach	<MDA*	<MDA*
08/20/2012	Oswald State Park	<MDA*	<MDA*
07/25/2012	Harris Beach	<MDA*	<MDA*
07/24/2012	Heceta Beach	<MDA*	<MDA*
07/23/2012	Oswald State Park	<MDA*	<MDA*
06/27/2012	Harris Beach	<MDA*	<MDA*
06/26/2012	Heceta Beach	<MDA*	<MDA*
06/25/2012	Oswald State Park	<MDA*	<MDA*
06/06/2012	Harris Beach	<MDA*	<MDA*
06/05/2012	Heceta Beach	<MDA*	<MDA*
05/29/2012	Oswald State Park North	<MDA*	<MDA*
04/13/2012	Bandon	<MDA*	<MDA*
04/12/2012	Newport	<MDA*	<MDA*
04/11/2012	Seaside	<MDA*	<MDA*

*Minimum Detectable Activity

Units

Picocurie (pCi): A unit of measurement that tells your the rate of decay of a sample of radioactive material.

Millirem (mrem): Equals 1/1000 of a rem (Roentgen equivalent man). Measures the biological effect (risk of illness) of a dose of radiation on a person.