Pacific Northwest (PNW) sand dune ecology

The sand dunes of the PNW are home to 3 dune-building grasses.



These grasses build dunes via a positive feedback loop between trapping sand and vertical growth.



Ecosystem services:

Both *Ammophila* species build taller dunes than the native *Leymus*. These dunes provide critical **coastal protection**. However the invasive *Ammophila* grasses outcompete native plants and **decrease habitat** for some native birds.

A new hybrid:

In 2012, a hybrid Ammophila beach grass was discovered in the PNW. The first step in understanding the impact of this hybrid on coastal protection and biodiversity management is to map how much of it exists. You can help! Simply upload your beach grass photos to iNaturalist.

Want to learn more?

Scan this code to visit our iNaturalist project!



Special thanks to:





OREGON SHORES









A guide to beach grasses of the Pacific Northwest

> Learn to identify American marram grass, European marram grass, and their hybrid grass



Oregon State University

