

# **WAVE BEACH GRASS NURSERY**

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Linda Sarnoff  
Community Development Director  
City of Florence  
250 Hwy 101  
Florence, OR 97439

Re: Initial Siuslaw estuary *Zostera* locations

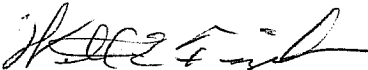
Dear Linda:

As you requested on 5/16/06 we visited sites in the lower Siuslaw estuary where *Zostera* formerly existed. Added to this list was the Highway 101 bridge location. All sites visited were on the north side of the river.

As the enclosed photos show there was only one site where significant stands of *Zostera* exist today. Our field inspection was done on a minus low tide.

There is zero *Zostera* under the Highway 101 bridge area. Out going tide velocity due to restricted passage presents it from growing at this location. The only significant *Zostera* stands are just below the Port of Siuslaw Boardwalk. Large areas where it formerly was located are now gone. *Zostera* comes and goes with a whole set of conditions that affects its survival. Further study by boat is needed.

Sincerely,



Wilbur E. Ternyik  
Wetland Consultant



Location: North side of Highway 101 Bridge; looking south to under side of bridge. Note zero evidence of *Zostera* above and below the bridge.



Photo 2

by Wilbur E. Ternyik

5/16/06



Location: Port of Siuslaw commercial fishing boat moorage. Dense stand of *Zostera* just out board of north walkway.

Photo 3

by Wilbur E. Ternyik

5/16/06



Location: Port of Siuslaw commercial fishing boat moorage. Looking north from same walkway. *Zostera* stand just up river.



Photo 4

by Wilbur E. Ternyik

5/16/06



Location: Port of Siuslaw commercial fishing boat moorage. Looking SE from Boardwalk at Zostora areas shown in photos 2 & 3.

Photo 5

by Wilbur E. Ternyik

5/16/06



Location: Port of Siuslaw commercial fishing boat moorage. Same as photo 4 only further upstream. More Zostora beds growing in still water conditions.



Photo 6 by Wilbur E. Ternyik 5/16/06



Location: Looking over mud flats just east of Port of Siuslaw property. Similar conditions but no Zostora.

Photo 7 by Wilbur E. Ternyik 5/16/06



Location: Cushman Store looking downstream. Former Zostora beds now gone .





Location: Lower Siuslaw estuary near Wild Winds Subdivision site. Right elevation and salinity but no *Zostora*.



Location: Port of Siuslaw Boardwalk float area. *Zostora* and juvenile ?