

Some Marine Algae on Japanese Tsunami Debris

Gayle I. Hansen, Dept. of Botany and Plant Pathology, OSU
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The Great Tohoku Earthquake and Tsunami of March 2011 generated nearly 1.5 million tons of floating debris. After 1-5 years of drifting with the currents across the Pacific, many debris items reached the NE Pacific coast carrying Japanese marine species that could colonize our shores. More than 84 marine algal species have been identified on debris and 61% of these have been reported to already occur in the NE Pacific. These are some of the first algal species that I encountered. (* = not yet known in Oregon)



*Undaria pinnatifida**



Costaria costata



*Desmarestia japonica**



*Saccharina japonica**



*Saccharina japonica f. angustata**



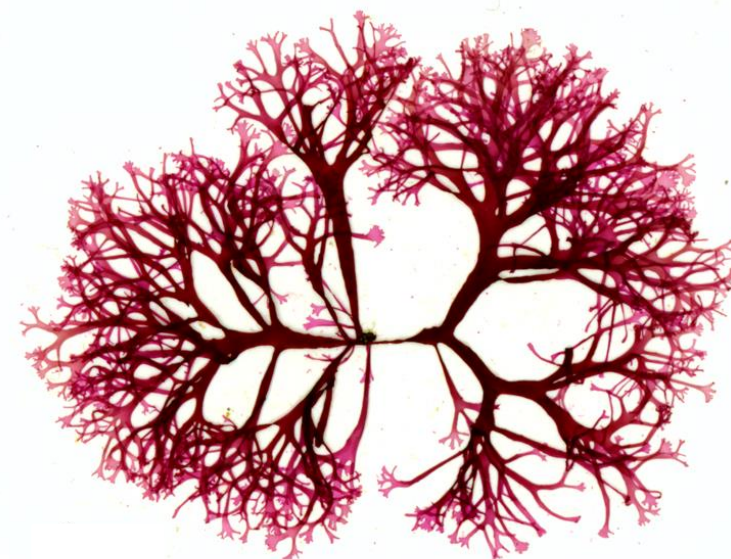
*Ptilota serrata**



Desmarestia viridis



*Codium fragile subsp. fragile**



*Leptofauchea leptophylla**



Ulva compressa



Ulva pertusa



Petalonia fascia



*Chondrus giganteus**



*Palmaria mollis**



Ulva lactuca



*Anelopus japonicus with epiphytic Pyropia yezoensis**



*Neodilsea yendoana**



jmillier



*Grateloupia turuturu**



Scytosiphon lomentaria