Puget Sound Geology Resources: Online and Books

Feeder Bluffs, Spits, and other Northwest Geology

Online.

Encyclopedia of Puget Sound. Puget Sound Institute.

A major resource of all things ecological in the Sound. Select: shoreline habitats, maps, keywords, and more.

Salish Sea Wiki. Salish Sea Restoration.

> A dense and important resource including introductory and advanced materials. Select: Ecosystems menu, and more.

Puget Sound Feeder Bluffs
Department of Ecology, State of Washington April 2014. Pub # 14-06-016
Authors: **Hugh Shipman**, Jim Johannessen, Andrea MacLenna.

> PDF published version of Hugh's talk, with much more detail than he was able to give in class. Includes numerous illustrations.

Beaches and Bluffs of Puget Sound.
Puget Sound Nearshore Partnership. Technical Report 2007-04
Authors: Jim Johannessen, Andrea MacLennan.
Pub: U.S Army Corp of Engineers, Seattle, WA

> Written earlier than the above article with Hugh, authors have some different materials. Especially good for additional illustrations.

Geology of Puget Lowland Bluffs & Ravines. botanic gardens.uw.edu……
Botanic Gardens. University of Washington.

> Focuses on glacial history and effects on Puget Sound bluffs, which is what we primarily see at Double Bluff. Excellent illustrations and descriptions. Essential reading.

Books.

Geology Underfoot in Western Washington. Author: Dave Tucker. Mountain Press Publishing, 2015.

> Possibly the best book out for the newcomer to geology, this has an entire chapter, "Buried in Ice —Repeatedly", about Double Bluff. Another chapter includes Whidbey's Waterman Erratic, one of the largest glacial erratics in Puget Sound.
> Book touches on many topics we will cover in future classes. Clear explanations and great maps on everything geologic in Puget Sound.

The Natural History of Puget Sound Country. Author: Arthur R. Kruckeberg. University of Washington, 1991.

"Introduction" and the first chapter, "Lay of the Land: Landforms and Geology of the Puget Sound Basin", does not focus on beach processes, but does introduce them and set them within a greater geological context.

Beauty from the Beast: Plate Tectonics and the Landscapes of the Pacific Northwest. Author: Robert J. Lillie. Wells Creek Publishers, Philomath, Oregon. 2015.

Clear and superb texts, maps, photos and other illustrations makes the complex simple.

Tides, Ecosystems, Estuaries .

The Northwest Coast: A Natural History. Author: Stewart T. Schultz. Timber Press, Portland, Oregon. 1990.

This book covers clearly and throughly major ecosystems and almost everything else we will cover in this class. One to consider for your personal library.

for **Tides**

See chapter 1 "Earth, Wind and Sea" and the section on tides. Good illustration and a chart that clearly shows what all those confusing names for tide levels mean.

for **Estuaries**

*See Chapter 4. "*Estuaries." Geology, composition, wave action, and inhabitants. Best in-print explanation we have found.

for **Ecosystems**

See the entire book.

The Natural History of Puget Sound Country. Author: Arthur R. Kruckeberg. University of Washington, 1991.

THE definitive book on all major Puget Sound ecosystems. Almost every class this spring will have this book listed as advised reading.

Seashore Life of the Northern Pacific Coast. Author: Eugene N. Kozlofff. University of Washington, 1973, 1983.

THE core book in the field on the life forms that live in the Salish Sea, grouped by ecosystem. Still the best introduction to marine biology and a major reference to those who want to learn who lives where in the ecosystem.

JMc. 6/26/20