

# Reading Material

On reserve in:

Ocean-Fisheries library

(Oceanography Teaching Building)

Through the following web site:

<https://eres.lib.washington.edu/eres/coursepage.aspx?cid=4291&page=docs>

Type in your UW Net ID when prompted and accept the Copyright statement.

“The Estuarine Environment”, from “The World Ocean”

W.A. Anikouchine and R.W. Sternberg, Prentice-Hall

“River Deltas”, from “The Coast of Puget Sound”

J.P. Downing, Puget Sound Books

“River Deltas”, from “Coasts”

P.A. Davis, Prentice-Hall

# Impact of sea-level rise on fluvial and glacial valleys

20,000 y to 7,000 y ago

valleys flooded, all sediment trapped

7,000 y ago to present

if little sediment supply – estuaries and fjords still filling  
trapping mechanisms very important  
(Chesapeake Bay)

if moderate sediment supply – estuaries nearly full  
some sediment leaks to continental shelf  
(Columbia River)

if much sediment supply – estuaries full and sediment overflowing

deltas build seaward  
(Mississippi Delta)

Chesapeake and  
Delaware Bays

Coastal-Plain  
Estuaries

Drowned river  
valleys

