

Smallbone N. Bays and estuaries
of Oregon: A literature review of
Ph. D. and master theses at OSU
and U of O..., 1974.

BAYS AND ESTUARIES OF OREGON

A literature review of PhD and Master
theses from Oregon State University
and the University of Oregon.

by

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A literature search of Ph.D. and Master theses, at Oregon State University and the University of Oregon, disclosed the following theses which dealt wholly or in part with research work conducted in Oregon's bays and estuaries. The theses are listed according to the bay in which the study took place. Unless the titles are self explanatory a brief description of the contents is included.

The bays and estuaries are listed in alphabetical order and include: Alsea Bay, Columbia River, Coos Bay, Rogue River, Siletz Bay, Sixes River, Umpqua River and Yaquina Bay. The last section deals with estuarine environments in general. There appears to be no theses dealing with other Oregon estuaries or bays. All theses are on file in the Oregon State University library or the University of Oregon library.

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I would like to express my appreciation to Dr. McCauley and Danil Hancock for their valuable advice on the research and writing of this bibliography. I would also like to thank Judy Brenneman for all her patience in the typing of this manuscript.

ALSEA BAY

- Andrews, Rupert Earle. 1959. Factors influencing the seaward migration of smelt steelhead trout, Salmo gairdnerii gairdnerii Richardson, in the Alsea River, Oregon. Corvallis, Oregon. M.S. thesis. OSC. 90 p. (Discusses seaward migratory smolts entering the tidal estuary in spring - and return of fish in the estuary in the fall with regard to salinity changes. Appendix has salinity readings for May and September 1956 at head of Tidewater, U.S. 101 bridge, Drift Creek and Oregon 34 bridge.)
- Boley, Scott Lyman. 1974. Discharge coefficient of an estuarine entrance. Corvallis, Oregon. M.S. thesis. OSU. 83 p. (photo. Alsea Bay entrance-study site.)
- Goodwin, Carl Raymond. 1974. Estuarine tidal hydraulics - one dimensional model and predictive algorithm. Corvallis, Oregon. Ph.D. thesis. OSU. 220 p. ("The results of this study can be used to predict modifications in tidal response due to proposed physical changes in an estuary, such as entrance dredging or filling of tidal flats." Field data of velocity, temperature and salinity for the Yaquina, Alsea and Siletz estuaries are included in the paper.)
- Jones, Robert Wakeman. 1959. Lower tertiary foraminifera from Waldport, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 81 p. (Discusses beds which are exposed along the north and south sides of Alsea Bay.)
- Lyford, John Higgins, Jr. 1966. Primary productivity and community structure of an estuarine impoundment. Corvallis, Oregon. Ph.D. thesis. OSU. 67 p. (Aerial photo and impoundment study of Lint Slough.)
- Matson, Adrian L. 1964. Dissolved silicate in waters offshore Oregon and four adjacent rivers. Corvallis, Oregon. M.A. thesis. OSU. 98 p. (Water samples were taken from off Oregon coast, Yaquina and Coos Bays, the Columbia and Alsea Rivers, from Nov. 1962 to Feb. 1964, and analyzed for dissolved silicate content.)
- Matson, Adrian Luther. 1972. Zooplankton and hydrography of Alsea Bay, Oregon September 1966 to September 1968. Corvallis, Oregon. Ph.D. thesis. OSU. 228 p.
- Weise, Harry Gordon. 1974. Airphoto analysis of estuarine circulation. Corvallis, Oregon. M.OcE. thesis. OSU. 98 p. (Circulation patterns and aerial photos of Siletz Bay and Lint Slough.)

COLUMBIA RIVER

- Cissell, Milton Charles. 1969. Chemical features of the Columbia River plume off Oregon. Corvallis, Oregon. M.S. thesis. OSU. 45 p.
- Cutshall, Norman H. 1967. Chromium-51 in the Columbia River and adjacent Pacific Ocean. Corvallis, Oregon. Ph.D. thesis. OSU. 71 p.

- Enfield, David Bruce. 1974. Prediction of hazardous Columbia River bar conditions. Corvallis, Oregon. Ph.D. thesis. OSU. 204 p.
- Evans, David William. 1973. Effects of ocean water on the soluble suspended distribution of Columbia River radionuclides. Corvallis, Oregon. M.S. thesis. OSU. 57 p.
- Evans, Richard H. 1972. Physical parameters as tracers of Columbia River water. Corvallis, Oregon. M.S. thesis. OSU. 55 p.
- Haertel, Lois S. 1970. Plankton and nutrient ecology of the Columbia River estuary. Corvallis, Oregon. Ph.D. thesis. OSU. 81 p.
- Hanson, Peter. 1967. Vertical distribution of radioactivity in the Columbia River estuary. Corvallis, Oregon. M.S. thesis. OSU. 86 p.
- Jennings, C.D. 1966. Radioactivity of sediments in the Columbia River estuary. Corvallis, Oregon. M.S. thesis. OSU. 73 p.
- Johnson, Vernon Gene. 1966. Retention of zinc-65 by Columbia River sediment. Corvallis, Oregon. M.S. thesis. OSU. 56 p.
- Kantz, Kent W. 1973. Chemistry and hydrography of Oregon coastal waters and Willamette and Columbia River. Corvallis, Oregon. M.S. thesis. OSU. 70 p.
- Matson, Adrian L. 1964. Dissolved silicate in waters offshore Oregon and four adjacent rivers. Corvallis, Oregon. M.A. thesis. OSU. 98 p. (Water samples were taken from off Oregon coast, Yaquina and Coos Bays, the Columbia and Alsea Rivers, from Nov. 1962 to Feb. 1964, and analyzed for dissolved silicate content.)
- Neal, Victor T. 1965. A calculation of flushing times and pollution distribution for the Columbia River estuary. Corvallis, Oregon. Ph.D. thesis. OSU. 92 p.
- Pak, Hasong. 1970. The Columbia River as a source of marine light scattering particles. Corvallis, Oregon. Ph.D. thesis. OSU. 110 p. (Experiment was carried out in Columbia River plume region. Appendix contains description of Columbia River estuary.)
- Pearson, John Philip. 1969. The abundance and distribution of harbor seals and stellar sea lions in Oregon. Corvallis, Oregon. M.S. thesis. OSU. 23 p. (Noted decline in harbor seals, Phoca vitulina richardi. Most of population found outside estuaries on offshore islands. Some inhabit the Columbia River semi-annually.)
- Pope, Stephen V. 1970. Antimony-124 in the lower Columbia River. Corvallis, Oregon. M.S. thesis. OSU. 65 p.
- Reimers, Paul Edward. 1964. Distribution of fishes in tributaries of the lower Columbia River. Corvallis, Oregon. M.S. thesis. OSU. 75 p. (Contains list of fishes of lower Columbia. Most fish are marine - most widespread is a species of Cottus.)

- Renfro, William C. 1968. Radioecology of ^{65}Zn in an arm of the Columbia River estuary. Corvallis, Oregon. Ph.D. thesis. OSU. 96 p.
- Severtson, Dale. 1958. The role of Columbia River transportation in Pacific Northwest resource development. Corvallis, Oregon. M.S. thesis. OSU. 74 p.
- Sobolewski, William Joseph. 1971. Effect of deposits in Columbia Slough on algae growth in Smith and Bybee Lakes. Corvallis, Oregon. M.S. thesis. OSU. 55 p. (Bottom deposits of Columbia Slough contains phosphorus which was seen to be a possible cause of algal "blooms" in the lakes, thus spoiling recreation. Study was made of outfall from Associated Meat Packers Inc. plant.)
- Tennant, David Alan. 1968. Distribution of ^{65}An , ^{54}Mn and ^{51}Cr in the tissues of the dungeness crab, Cancer magister Dana. Corvallis, Oregon. M.S. thesis. OSU. 86 p. (Crab were collected from the Columbia River estuary.)
- Tonjes, Stephen D. 1971. Zinc-65 uptake by a bacterium isolated from Alder Slough, Columbia River estuary. Corvallis, Oregon. M.S. thesis. OSU. 38 p.

Coos Bay

- Blanton, Jackson Orin. 1964. Energy dissipation in a tidal estuary. Corvallis, Oregon. M.S. thesis. OSU. 80 p. (Temp., salinity, current measurements, tidal observations. Annual circulation patterns.)
- Darby, Richard Lowell. 1969. Patterns of growth and reproduction in a colonial marine hydroid. Eugene, Oregon. Ph.D. thesis (Bio). U. of O. 80 p. (Concerns Obelia caught in Coos Bay. However, study concentrates on lab experimentation.)
- Evans, John Williams. 1966. The ecology of the rock-boring clam Penitella penita (Conrad 1837). Eugene, Oregon. Ph.D. thesis (Bio). U. of O. 112 p. (Collected North side of Cape Blanco, South side of South Jetty at Coos Bay, at Fossil Point in Coos Bay or "Pigeon Point". Estimates of growth rates, growth rates of animals on different substrates, burrow shapes.)
- Feichtinger, John Rudolph. 1950. A geographic study of the city of Coos Bay and its hinterland. Eugene, Oregon. M.S. thesis (Geol & Geog). U. of O. 198 p. (Aerial photo of North Bend, very brief discription of harbor.)
- Hanson, Alfred Warren. 1970. The symbiotic relationships and morphology of Paravortex sp. nov. (Tubellaria, Rhabdocoelida) a parasite of Macoma nasuta Conrad 1837. Corvallis, Oregon. M.S. thesis. OSU. 42 p. (Monthly samples of bent-nosed clams, Macoma nasuta taken from mud flat at Coquille Point in Yaquina Bay. One large single sample was taken from South Slough, Coos Bay. Rhabdocoels (Paravortex) are parasites of marine molluscs and percent infection increases as the size of clams increased. Rhabdocoels were not found in collections from Coos Bay or Puget Sound, Washington.)

- Hartman, Michael Colyn. 1972. A green algal symbiont in Clinocardium nuttallii. Corvallis, Oregon. Ph.D. thesis. OSU. 65 p. (Monthly 100 cockles were collected from Yaquina Bay - raked or picked by hand. Other collection sites included Netarts Bay, Coos Bay and dredging the channel of King Slough in Yaquina Bay. Clams harbor an algal symbiont in the siphon, mantle and occasionally the foot tissues. Degree and frequency of infection increases with age groups. Cockles under one year are not susceptible to infection.)
- James, Ellen Louise. 1950. A new miocene marine invertebrate fauna from Coos Bay, Oregon. Eugene, Oregon. M.S. thesis (Geol & Geog). U. of O. 75 p. (Study done on a spoil bed from a 1949 dredging.)
- Matson, Adrian L. 1964. Dissolved silicate in waters offshore Oregon and four adjacent rivers. Corvallis, Oregon. M.A. thesis. OSU. 98 p. (Water samples taken from off Oregon coast, Yaquina and Coos Bays, the Columbia and Alsea Rivers, from Nov. 1962 to Feb. 1964, and analyzed for dissolved silicate content.)
- McConnaughey, Edward A. 1973. Coos Bay study: an interdisciplinary study of man and the estuary. Conducted by NSF student-originated-studies program participants, University of Oregon. Student project director, Edward A. McConnaughey. 205 p. Eugene, Oregon. Honors thesis. U. of O. Cover title: An interdisciplinary study of the Coos Bay estuary. (Study of tidal flats, fish plankton studies, background o the dredging proposal, economics of dredging.)
- Parr, Robert Alexander. 1973. Harbor dredging and benthic infauna: a case study. Corvallis, Oregon. M.S. thesis. OSU. 114 p.
- Peterson, Paul Edward. 1973. Factors that influence sulfide production in an estuarine environment. Corvallis, Oregon. M.S. thesis. OSU 1974. 97 p. (Includes Yaquina Bay - core samples.)
- Queen, John C. 1930. Marine decapod crustacea of the Coos Bay, Oregon district. Eugene, Oregon. M.S. thesis (Bio). U. of O. 61 p. (Study of all decapoda and where found in the Bay, also map showing collection sites.)
- Reish, Donald James. 1949. The intertidal polychaetous annelids of the Coos Bay, Oregon region. Corvallis, Oregon. M.A. thesis. OSU. 89 p.
- Riechers, Mildred. 1943. A survey of the genera of the Foraminifera of the littoral zone in Coos Bay area. Eugene, Oregon. M.A. thesis (Bio). U. of O. 60 p. (Taxonomic study of forms found in bay.)
- Shearer, Gilbert Marshall. 1943. A study of marine isopods of the Coos Bay region. Corvallis, Oregon. M.S. thesis. OSC. 64 p.
- Sowell, Robert Rowland. 1950. Taxonomy and ecology of the nudibranchiate mollusca of the Coos Bay, Oregon region. Corvallis, Oregon. M.S. thesis. OSC. 54 p.
- Touche, Robert James. 1972. Biodegradability and oxygen uptake studies on resuspended estuarine bottom sediments. Corvallis, Oregon. M.S. thesis. OSU. 52 p. (Includes UMPQUA and COOS ESTUARIES, discussion on dredging practices.)

NETARTS BAY

- Hartman, Michael Colyn. 1972. A green algal symbiont in Clinocardium nuttallii. Corvallis, Oregon. Ph.D. thesis. OSU. 65 p. (Monthly 100 cockles were collected from Yaquina Bay - raked or picked by hand. Other collection sites included Netarts Bay, Coos Bay and dredging the channel of King Slough in Yaquina Bay. Clams harbor an algal symbiont in the siphon, mantle and occasionally the foot tissues. Degree and frequency of infection increases with age groups. Cockles under one year are not susceptible to infection.)
- Hunger, Arthur A. 1966. Distribution of foraminifera, Netarts Bay, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 112 p.
- Lannan, James Edmund, Jr. 1973. Genetics of the Pacific oyster; biological and economic implications. Corvallis, Oregon. Ph.D. thesis. OSU. 104 p. (Breeding stocks of Crassostrea gigas were maintained in off-bottom culture facilities at Yaquina Bay and Netarts Bay.)
- Squire, Douglas Richard. 1972. The Japanese oyster drill, Ocenebra japonica, in Netarts Bay, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 65 p.
- Zimmerman, Steven T. 1972. Seasonal succession of zooplankton populations in two dissimilar marine embayments on the Oregon coast. Corvallis, Oregon. Ph.D. thesis. OSU. (Comparison of Netarts and Yaquina Bay zooplankton populations, with a species list. Descriptions of the physical factors and classifications of Yaquina and Netarts Bays.) 212 p.

ROGUE RIVER

- Davis, Roger Keith. 1966. The lower Rogue River, recreation resources: development and potential. Corvallis, Oregon. M.S. thesis. OSU. 78 p. (Includes discussion of harbor area and accessibility.)

SILETZ BAY

- Goodwin, Carl Raymond. 1974. Estuarine tidal hydraulics - one dimensional model and predictive algorithm. Corvallis, Oregon. Ph.D. thesis. OSU. 220 p. ("The results of this study can be used to predict modifications in tidal response due to proposed physical changes in an estuary, such as entrance dredging or filling of tidal flats." Field data of velocity, temperature and salinity for the Yaquina, Alsea and Siletz estuaries is included in the paper.)
- Weise, Harry Gordon. 1974. Airphoto analysis of estuarine circulation. Corvallis, Oregon. M.OcE. thesis. OSU. 98 p. (Circulation patterns and aerial photos of Siletz Bay and Lint Slough.)
- Zinn, Jeffrey Arthur. 1972. Analysis of resident property owner perception of resources and the management system of Siletz Bay Estuary, Oregon. Corvallis, Oregon. Ph.D. thesis. OSU 1973. 230 p.

SIXES RIVER, OREGON

Jones, Charles Alan. 1972. A study of sediment transport and dispersal in the Sixes River estuary, Oregon, utilizing fluorescent tracers. Eugene, Oregon. Ph.D. thesis (Geol & Geog). U of O. 126 p. (Study concerns Sixes River estuary, determined extent of marine sands carried into estuary by flood tide, sand prevented from returning to ocean by presence of a sill at upstream end of outflow channel, during winter high fluvial discharge greatly reduces amount of seawater and marine sand flowing into estuary at high tide.)

UMPQUA ESTUARY

Korpalski, Thomas Paul. 1973. A study on the oxidation of sulfides in estuarine waters. Corvallis, Oregon. M.S. thesis. OSU. 51 p.

Touchev, Robert James. 1972. Biodegradability and oxygen uptake studies on resuspend estuarine bottom sediments. Corvallis, Oregon. M.S. thesis. OSU. 52 p. (Includes UMPQUA and COOS ESTUARIES, discussion on dredging practices.)

YAQUINA BAY

Barnes, James Ray. 1967. The morphology and ecology of Echinorhynchus lageniformis Ekbaum, 1938 (Acanthocephala). Corvallis, Oregon. M.S. thesis. OSU. 42 p. (The acanthocephalan Echinorhynchus lageniformis Ekbaum is a common intestinal parasite of the starry flounder Platichthys stellatus (Pallas) of Yaquina Bay. As size of flounder increased, the percent infection decreased. The peak of worms found to be April.)

Batie, Robert Edward. 1974. Population structure of the intertidal shore crab Hemigrapsus oregonensis (Brachyura, Grapsidae) in Yaquina Bay, a central Oregon coast estuary. Corvallis, Oregon. Ph.D. thesis. OSU. 128 p.

Beardsley, Alan Jackson. 1969. Movement and angler use of four foodfishes in Yaquina Bay, Oregon. Corvallis, Oregon. Ph.D. thesis. OSU. 173 p.

Becker, Clarence Dale. 1955. Larval setting and survival of young oysters, Ostrea lurida Carp., under laboratory conditions. Corvallis, Oregon. M.S. thesis. OSU. 97 p. (Collected shell from piles located on banks of Yaquina Bay near Oysterville.)

Berglund, Lisette Aline. 1972. Laboratory studies of successional patterns in assemblages of attached estuarine diatoms. Corvallis, Oregon. M.S. thesis. OSU. 71 p.

Bourke, Robert Hathaway. 1969. Monitoring coastal upwelling by measuring its effects within an estuary. Corvallis, Oregon. M.S. thesis. OSU. 54 p. (Monitoring upwelling by measurement of temperature, salinity, and oxygen concentrations of bottom water near mouth.)

- Butler, Jerry Allan. 1968. Effects of the insecticide Sevin on the cockle clam Clinocardium nuttallii (Conrad). Corvallis, Oregon. M.S. thesis. OSU. 54 p. (Clams collected from intertidal sand and mud flats in Yaquina Bay.)
- Crandell, George Frank. 1967. Seasonal and spatial distribution of Harpacticoid Copepods in relation to salinity and temperature in Yaquina Bay, Oregon. Corvallis, Oregon. Ph.D. thesis. OSU. 137 p.
- Crook, Gene Ray. 1970. In situ measurement of the benthal oxygen requirements of tidal flat deposits. Corvallis, Oregon. M.S. thesis. OSU. 113 p. (Work conducted at Parker Slough, MSCOSU and Toledo.)
- Deleyiannis, Steven James. 1969. Vertical distribution of surface zooplankton in Yaquina Bay, Oregon. Corvallis, Oregon. M.S. paper. 49 p.
- DeMort, Carole Lyk. 1970. The culture and biochemical analysis of some estuarine phytoplankton species. Corvallis, Oregon. Ph.D. thesis. OSU. 157 p.
- DeRycke, Richard James. 1967. An investigation of evaporation from the ocean off the Oregon coast, and from Yaquina Bay, Oregon. Corvallis, Oregon. M.S. thesis. OSU.
- Elvin, Patricia J. 1972. An ultrastructural study of early cleavage in Mytilus. Corvallis, Oregon. M.A. thesis. OSU. 60 p. (Large M. edulis collected from boat docks in Yaquina Bay - spring through early fall.)
- Gilbert, William Earl. 1967. A study of seiching in Yaquina Bay, Oregon. Corvallis, Oregon. M.S. paper. 17 p.
- Gnose, Charles Einar. 1968. Ecology of the striped seaperch, Embiotoca lateralis, in Yaquina Bay, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 53 p. (Collected from Nov. 62 to Nov. 63. Tagging experiment indicated homing instinct of seaperch. Fish captured near rocky banks, pilings and edges of mud flats by use of otter trawl and angling. Adults only found in water with 26‰ salinity and below 16°C. Found to feed on Ampithoe and Anisogammarus amphipods.)
- Goodwin, Carl Raymond. 1974. Estuarine tidal hydraulics - one dimensional model and predictive algorithm. Corvallis, Oregon. Ph.D. thesis. OSU. 220 p. ("The results of this study can be used to predict modifications in tidal response due to proposed physical changes in an estuary, such as entrance dredging or filling of tidal flats." Field data of velocity, temperature and salinity for the Yaquina, Alsea and Siletz estuaries is included in the paper.)
- Goodwin, Clinton John. 1972. Stratigraphy and sedimentation of the Yaquina formation, Lincoln County, Oregon. Corvallis, Oregon. M.S. thesis 1973. OSU. 121 p.

- Grenney, William James. 1971. Modeling estuary pollution by computer simulation. Corvallis, Oregon. M.S. thesis. OSU. 77 p.
- Hanson, Alfred Warren. 1970. The symbiotic relationships and morphology of Paravortex sp. nov. (Tubellaria, Rhabdocoelida) a parasite of Macoma nasuta Conrad 1837. Corvallis, Oregon. M.S. thesis. OSU. 42 p. (Monthly samples of bent-nosed clams, Macoma nasuta taken from mud flat at Coquille Point in Yaquina Bay. One large single sample from South Slough, Coos Bay. Rhabdocoels (Paravortex) parasites of marine molluscs. Percent infection increases as the size of clams increased. Rhabdocoels not found in collections from Coos Bay or Puget Sound, Washington.)
- Hartman, Michael Colyn. 1972. A green algal symbiont in Clinocardium nuttallii. Corvallis, Oregon. Ph.D. thesis. OSU. 65 p. (Monthly 100 cockles were collected from Yaquina Bay - raked or picked by hand. Other collection sites included Netarts Bay, Coos Bay and dredging the channel of King Slough in Yaquina Bay. Clams harbor an algal symbiont in the siphon, mantle and occasionally the foot tissues. Degree and frequency of infection increases with age groups. Cockles under one year are not susceptible to infection.)
- Hawkins, Dan Lee. 1971. Metabolic responses of the burrowing mud shrimp, Callinassa californiensis, to anoxic conditions. Corvallis, Oregon. M.S. thesis. OSU. 43 p. (Shrimp collected on mud flats directly east of MSC laboratories.)
- Heacock, Robert Leon. 1952. Stratigraphy and foraminifera of the Upper part of the Nye formation, Yaquina Bay, Oregon. Corvallis, Oregon. M.S. thesis. OSC. 48 p.
- Jarman, Gary Davis. 1962. Recent foraminifera and associated sediments of the continental shelf in the vicinity of Newport, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 111 p. (Yaquina Bay - also samples taken off Newport in 365 m of water.)
- Kjeldsen, Chris Kelvin. 1967. Effects of variations in salinity and temperature on some estuarine macro-algae. Corvallis, Oregon. Ph.D. thesis. OSU. 157 p.
- Kulm, LaVerne Duane. 1965. Sediments of Yaquina Bay, Oregon. Corvallis, Oregon. Ph.D. thesis. OSU. 184 p.
- Krygier, Earl Eldon. 1973. Distribution and reproductive biology of Crangon franciscorum (Stimpson) and Crangon nigricauda (Stimpson) in Yaquina Bay, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 76 p.
- Lannan, James Edmund, Jr. 1973. Genetics of the Pacific oyster; biological and economic implications. Corvallis, Oregon. Ph.D. thesis. OSU. 104 p. (Breeding stocks were maintained in off-bottom culture facilities at Yaquina Bay and Netarts Bay.)

- Lidrich, Joseph Stanley. 1970. The behavior of the pea crab Fabia subquadrata in relation to its mussel host, Mytilus californianus. Corvallis, Oregon. Ph.D. thesis. OSU. 53 p. (Pea crabs unevenly distributed in an intertidal bed of Mytilus californianus at Yaquina Head. Tests were made on responsiveness of Fabia to chemical secretions of the mussels with a choice between sea water conditioned by live mussels and water drawn directly from Yaquina Bay.)
- Lough, Robert Gregory. 1969. The effects of temperature and salinity on the early development of Adula californiensis (Pelecypoda - Mytilidae). Corvallis, Oregon. M.S. thesis. OSU. 92 p.
- Main, Stephen Paul. 1972. The distribution of epiphytic diatoms in Yaquina Estuary, Oregon. Corvallis, Oregon. Ph.D. thesis. OSU. 112 p.
- Manske, Douglas Charles. 1968. Distribution of recent foraminifera in relation to estuarine hydrography, Yaquina Bay, Oregon. Corvallis, Oregon. Ph.D. thesis. OSU. 176 p.
- Markham, John Charles. 1967. A study of the animals inhabiting laminarian holdfasts in Yaquina Bay, Oregon. Corvallis, Oregon. M.A. thesis. OSU. 62 p.
- Martin, John Varick. 1970. Salinity as a factor controlling the distribution of benthic estuarine diatoms. Corvallis, Oregon. Ph.D. thesis. OSU. 114 p.
- McCormick, Jon Michael. 1969. Hydrographic and trophic relationships of hydromedusae in Yaquina Bay, Oregon. Corvallis, Oregon. Ph.D. thesis. OSU. 125 p.
- McCrow, Lynne Tucker. 1972. The ghost shrimp, Callinassa californiensis Dana, 1854, in Yaquina Bay, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 56 p.
- Morrison, George Edwin. 1966. An investigation of the distribution of Nephtys caecoides in Yaquina Bay. Corvallis, Oregon. M.S. thesis. OSU. 35 p.
- O'Flaherty, Mary Louise. 1966. Taxonomy of some endophytic and epiphytic genera of Phaeophyta on the Oregon Coast. Corvallis, Oregon. M.S. thesis. OSU. 65 p. (Includes collections from Yaquina Bay and Boiler Bay - describes new species found.)
- Parrish, Loys Phillip. 1966. The predicted influence of Kraft mill effluent on the distribution of some sport fishes in Yaquina Bay, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 88 p.
- Peterson, Paul Edward. 1973. Factors that influence sulfide production in an estuarine environment. Corvallis, Oregon. M.S. thesis. OSU 1974. 97 p. (Includes Yaquina Bay and Coos Bay core samples.)

- Riznyk, Raymond Zenon. 1969. Ecology of benthic microalgae of estuarine intertidal sediments. Corvallis, Oregon. Ph.D. thesis. OSU. 196 p. (Southbeach tidal flat and Sally's Bend tidal flat.)
- Russell, Howard, Jr. 1964. The endemic zooplankton population as a food supply for young herring in Yaquina Bay. Corvallis, Oregon. M.S. thesis. OSU. 40 p.
- Steinfeld, James David. 1972. Distribution of Pacific herring spawn in Yaquina Bay, Oregon, and observations on mortality through hatching. Corvallis, Oregon. M.S. thesis. OSU. 75 p.
- Swanson, Robert L. 1965. Tidal prediction and the variation of the observed tide for the predicted tide at Newport, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 106 p.
- Swedberg, Stephen Ernferd. 1966. Age-fecundity relationships in the striped seaperch Embiotoca lateralis from Yaquina Bay, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 41 p.
- Thompson, Rogene Kasperek. 1967. Respiratory adaptations of two macrurous-anomuran mud shrimps, Callinassa californiensis and Upogebia pugettensis (Decapoda, Thalassinidea). Corvallis, Oregon. M.S. thesis. OSU. 63 p. (Shrimp collected from south and north side of Yaquina Bay.)
- Thum, Alan Bradley. 1972. An ecological study of Diatomovora amoena, an interstitial acoel flatworm, in an estuarine mud flat on the central coast of Oregon. Corvallis, Oregon. Ph.D. thesis. OSU. 185 p. (Northernmost portion of Southbeach tidal flat.)
- Toner, Richard Charles. 1961. An exploratory investigation of the embryonic and larval stages of the bay mussel, Mytilus edulis L., as a bioassay organism. Corvallis, Oregon. M.S. thesis. OSU. 51 p. (Mussels collected from floating log docks in Yaquina Bay from Feb.-Aug. 1958.)
- Voth, David Richard. 1972. Life history of the caligoid copepod Lepeophtheiros hospitalis Fraser 1920 (Crustacei Caligoida). Corvallis, Oregon. Ph.D. thesis. OSU. 114 p. (Specimens of starry flounder, Platichthys stellatus infected with Lepeophtheirus hospitalis were collected in Yaquina Bay, July 1970-August 1971. Seasonal abundance of the parasite in Yaquina Bay correlated to amount of fresh water flowing through the bay.)
- Walker, John David. 1974. Effects of bark debris on benthic macrofauna of Yaquina Bay, Oregon. Corvallis, Oregon. M.S. thesis. OSU. 94 p.
- Wilson, William Joseph. 1974. The effects of concentration and particle size of suspended materials on growth and condition of the Pacific oyster (Crassostrea gigas). Corvallis, Oregon. M.S. thesis. OSU. 65 p. (Animals were obtained from commercial stock grown in the middle portion of Yaquina Bay near river mile 5 during spring of 1971.)
- Zimmerman, Steven T. 1972. Seasonal succession of zooplankton populations in two dissimilar marine embayments on the Oregon Coast. Corvallis, Oregon. Ph.D. thesis. OSU. 212 p. (Comparison of Netarts and Yaquina Bay zooplankton populations, with a species list. Descriptions of the physical factors and classifications of Yaquina and Netarts bays.)

ESTUARINE (General)

- Bruce, Herbert Ernest. 1969. The role of dissolved amino acids as a nitrogen source for marine phytoplankton in an estuarine environment in southeastern Alaska. Corvallis, Oregon. Ph.D. thesis. OSU. 124 p.
- Goodwin, Carl Raymond. 1974. Estuarine tidal hydraulics - one dimensional model and predictive algorithm. Corvallis, Oregon. Ph.D. thesis. OSU. 220 p.
- Iverson, Richard Lowell. 1972. A systems approach to pelagic ecosystem dynamics in an estuarine environment. Corvallis, Oregon. Ph.D. thesis. OSU. 107 p. (Auke Bay, Alaska)
- Kirk, Deborah K. 1973. Physical hydrography and nutrient nitrogen budget of Auke Bay, Alaska. Corvallis, Oregon. M.S. thesis. OSU. 70 p.
- Martin, Duane Collins. 1969. The effect of mixing on the oxygen uptake rate of estuarine bottom deposits. Corvallis, Oregon. M.S. thesis. OSU. 50 p.
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