

4.0 References

Note: Several documents cited in the References section were prepared for Taylor Resources. As a result of some corporate restructuring in September 2009, Taylor Resources was absorbed by Taylor Shellfish Company, Inc., now identified throughout the EIS as the applicant for the North Totten Inlet Mussel Farm proposal.

Alaska Department of Fish and Game (ADFG). 1986. *Alaska Habitat Management Guide: Life histories and habitat requirements of fish and wildlife*. Alaska Department of Fish and Game, Juneau, AK.

Albertson, S.L., J. Newton, R. Reynolds, and C. Ebbesmeyer. 2001. *Investigation of the mean flow in a complex multi-connected estuary: South Puget Sound*. In Proceedings of Puget Sound Research 2001: The Fifth Puget Sound Research Conference. 11 May 2004.
http://www.psat.wa.gov/Publications/01_proceedings/sessions/sess_1c.htm>

Alden Research Laboratory. 2003. *Productive capacity study of shellfish aquaculture farm*. Prepared for Pacific Shellfish Institute, Olympia WA. 31 p.

Asmus H, R.M. Asmus, and K. Reise. 1990. *Exchange processes in an intertidal mussel bed: a Sylt-flume study in the Wadden Sea*. Ber. Biol. Anst. Helgol. 6:1-79.

Bayne, B.L., A.J.S. Hawkins, and E. Navarro. 1987. *Feeding and digestion by the mussel Mytilus edulis L (Bivalvia: Mollusca) in mixtures of silt and algal cell at low concentrations*. J. Exp. Mar. Biol. Ecol. 111:1-22

Bayne, B.L., and C. Scullard. 1977. *Rates of nitrogen excretion by species of Mytilus (Bivalvia: Mollusca)*. J. Mar. Biol. Ass. UK. 57:355-369.

Bargmann, Greg. Research Scientist, Washington Department of Fish and Wildlife. May 4, 2010. Personal communication by telephone conversation with Mark Pedersen, President, Margenex International, re: recent listing of three Puget Sound rockfish species under the Endangered Species Act (ESA).

BioAquatics International. 2009. *Macroalgae survey for proposed mussel farm North Totten Inlet, Thurston County*. Prepared for Taylor Shellfish Farms, Shelton, WA. 14 p.

Blue Hill Hydraulics. 2006. *Taylor Shellfish Farms mussel raft wake study*. Report to Taylor Resources, Shelton, WA. Prepared by Blue Hill Hydraulics, Blue Hill, ME.

Brooks, K.M. 1991. *The genetics and epizootiology of hemic neoplasia in Mytilus edulis*. Ph.D. Dissertation. University of Washington. Seattle, WA.

Brooks, K.M. 2000. *Literature review and model evaluation describing the environmental effects and carrying capacity associated with the intensive culture of mussels (Mytilus edulis galloprovincialis)*. Prepared for Taylor Resources, Shelton, WA.

Brooks, K.M. 2002. *North Totten Inlet Video Survey July 17, 2002*.

Brooks, K.M. 2003. *The fouling community found in association with the intensive raft culture of Mytilus edulis galloprovincialis in Totten Inlet, Washington*. Prepared for Pacific Shellfish Institute, Olympia, WA, as cited in Newfields (2009).

- Brooks, K.M. 2005. *Supplemental study of dissolved nutrients and particulate organic matter in the waters near the proposed mussel farm in North Totten Inlet*. Report Prepared for Taylor Resources, Shelton, WA, as cited in Newfields (2009).
- Brooks, K.M. 2005a. *Baseline information describing sediment physicochemistry of Totten Inlet and the macrobenthos of the proposed North Totten Inlet mussel farm*. Aquatic Environmental Sciences, 644 Old Eaglemount Road, Port Townsend, WA 98368. 64 p.
- Brooks, K.M. 2005b. *Benthic response at the Deepwater Point mussel farm in Totten Inlet, Puget Sound, Washington State, U.S.A.* Prepared for Taylor Resources, Shelton, WA. Aquatic Environmental Sciences, 644 Old Eaglemount Road, Port Townsend, WA 98368.
- Brooks, K.M. 2007. *Totten Inlet baseline studies completed in 2002 and 2003 – Executive Summary*. Prepared for Taylor Resources, Shelton, WA. Aquatic Environmental Sciences, 644 Old Eaglemount Road, Port Townsend, WA 98368.
- Brooks, K.M. 2008. *The frequency of Mytilus edulis galloprovincialis alleles in Washington State marine waters where the species is commercially cultivated*. Aquatic Environmental Sciences, Port Townsend, WA.
- Buchanan, J. B. 2004. *Predator avoidance behaviour of a solitary willet attacked by a peregrine falcon*. International Wader Study Group Bulletin, Volume 104, p. 95.
- Cheney, D.P., A.D. Suhrnier, A.E. Christy, H.S. Beltran. Unpublished data.
- Christensen, P.B., R.N. Glud, T. Dalsgaard, and P. Gillespie. 2003. *Impacts of longline mussel farming on oxygen and nitrogen dynamics and biological communities of coastal sediments*. Aquaculture 218:567-588.
- Cloern, J.E. 2001. *Our evolving conceptual model of the coastal eutrophication problem*. Mar Ecol Prog Ser 210:223-253.
- Cromey, C.J., T.D. Nickell, K.D. Black, P.G. Provost, and C.R. Griffiths. 2002. *Validation of a fish farm waste re-suspension model by use of a particulate tracer discharged from a point source in a coastal environment*. Estuaries 25:916-929.
- D'Amore, J. 2006. *Tunicates on the Move*. Octopress, Vol. XXIV NO. 2. Port Townsend Marine Science Center. Port Townsend, WA.
- EDAW. 1998. *Visual impact and ecological concerns assessment for the Totten inlet mussel rafts project*. Report prepared by EDAW, Inc. in associates with Evans-Hamilton, Inc. and Richard Dame, PhD for Taylor Resources, Inc., Shelton, WA.
- Evans-Hamilton, Inc. (EHI). 2006. *Totten Inlet circulation study*. Report to Taylor Resources, Shelton, WA. Prepared by Evans-Hamilton, Inc. Seattle, WA.
- EHI. 2008. *Totten Inlet mussel farm drogue study*. Report to Taylor Resources, Shelton, WA. Prepared by Evans-Hamilton, Inc. Seattle, WA.

- Fagergren, D. 2005. *Northern Anchovy – The Other Forage Fish*. Puget Sound Action Team. Proceedings of the 2005 Puget Sound Georgia Basin Research Conference. URL: http://www.engr.washington.edu/epp/psgb/2005psgb/proceedings/papers/P1_FAGER.pdf.
- Federal Register. 1992. *Endangered and threatened wildlife and plants; determination of threatened status for Washington, Oregon, California population of the marbled murrelet*. 50 CFR Part 17, Vol. 57, No. 191. 45328-45337.
- Federal Register. 1996. *Endangered and threatened wildlife and plants; final designation of critical habitat for the marbled murrelet; final rule*. 50 CFR Part 17, Vol. 61, No. 102. 26255-26320.
- Federal Register. 1999. *Endangered and threatened wildlife and plants; determination of threatened status for bull trout in the coterminous United States*. 50 CFR Part 17, Vol. 64, No. 210. 58909-58993.
- Federal Register. 1999a. *Endangered and threatened wildlife and plants: threatened status for three chinook salmon evolutionarily significant units in Washington and Oregon, and endangered status for one chinook salmon ESU in Washington; final rule*. Partial 6-Month Extension on Final Listing Determinations for Four Evolutionarily Significant Units of West Coast Chinook Salmon: Proposed Rule. 50 CFR Parts 223 and 224, Vol. 64, No. 56. 14308-14328.
- Federal Register. 2005. *Endangered and threatened wildlife and plants: Designation of critical habitat for populations of bull trout*. 50 CFR Part 17, Vol. 70, No. 185, pp. 56212-56311.
- Federal Register. 2005a. *Endangered and threatened wildlife and plants: Designation of critical habitat for 12 evolutionarily significant units of west coast salmon and steelhead in Washington, Oregon, and Idaho*. 50 CFR Part 226, Vol. 70, No. 170, pp. 52630-52858.
- Federal Register. 2005b. *Endangered and threatened wildlife and plants: Endangered status for southern resident killer whales*. 50 CFR Part 224, Vol. 70, No. 222, pp. 69903-69912.
- Federal Register. 2006. *Endangered and threatened species designation of critical habitat for Southern Resident killer whales*. Final Rule. 50 CFR Part 226, Vol. 71, No. 229, pp. 69054-69070.
- Federal Register. 2007. *Endangered and threatened species: final listing determination for Puget Sound steelhead; final rule*. 50 CFR Part 223, Vol. 72, No. 91, pp. 26722-26735.
- Federal Register, 2010. *Endangered and threatened wildlife and plants: Threatened status for the Puget Sound/Georgia Basin Distinct Population Segments of yelloweye and canary rockfish and Endangered status for the Puget Sound/Georgia Basin Distinct Population Segment of bocaccio rockfish*. 50 CFR Parts 223 and 224, Vol 75, No 81. pp 22276-22289.
- Foster-Smith, R.L. 1975. *The effect of concentration of suspension on the filtration rates and pseudofaecal production of Mytilus edulis L., Cerastoderma edule L. and Vernerupis pullastra*. J. Exp. Mar. Biol. Ecol. 17:1-22.
- Fresh, K.L., R.D. Cardwell, and R.R. Koons. 1981. *Food habits of Pacific salmon, baitfish, and their potential competitors and predators in the marine waters of Washington, August 1978 to September 1979*. Washington State Department of Fisheries, Progress Report No. 145, 58 p.

- Gérard, K., N. Bierne, P. Borsa, A. Chenuil, and J.P. Féral. 2008. *Pleistocene separation of mitochondrial lineages of Mytilus spp. mussels from Northern and Southern Hemispheres and strong genetic differentiation among southern populations*. *Molecular Phylogenetics and Evolution* 49 (2008) 84–91.
- Giles, S.L. and J.R. Cordell. 1998. *Zooplankton composition and abundance in Budd Inlet, Washington*. In Puget Sound Water Quality Action Team, Puget Sound Research 1998 (on-line). Olympia, WA 634-642. URL: http://www.wa.gov/puget_sound/.
- Golder and Associates. 2003. *Kennedy-Goldsborough Watershed (WRIA14) Phase II Level I Assessment*. Prepared for WRIA 14 Planning Unit, Shelton, WA.
- Goodwin, L. 1997. Letter report from Lynn Goodwin, Strait and Sound Marine Consulting, to Robert Burkle, Area Habitat Biologist, Washington Department of Fisheries. June 8, 1997.
- Hartstein, N.D. and C.L. Stevens. 2005. *Deposition beneath long-line mussel farms*. *Aquacultural Eng.* 33(3):192-213.
- Hatcher, A., J. Grant, B. Scholfield. 1994. *Effects of suspended mussel culture (Mytilus spp.) on sedimentation, benthic respiration and sediment nutrient dynamics in a coastal bay*. *Marine Ecology Progress Series* 115:219-235.
- Jaramillo E., C. Bertran, and A. Bravo. 1992. *Mussel biodeposition in an estuary in southern Chile*. *Mar. Ecol. Prog. Ser.* 82:85-94.
- Kautsky, N. and S. Evans. 1987. *Role of biodeposition by Mytilus edulis in the circulation of matter and nutrients in a Baltic coastal ecosystem*. *Mar. Ecol. Prog. Ser.*, 38, 201–212.
- King, Gordon. Mussel Department Manager, Taylor Shellfish Company, Inc. February 17, 2009. Personal communication with Mark Pedersen, President, Margenex International, during on-site visit to Totten Inlet mussel farms.
- King, Gordon. Mussel Department Manager, Taylor Shellfish Company, Inc. April 6, 2009. Personal communication by telephone conversation with Mark Pedersen, President, Margenex International, re: proposed project baseline conditions.
- King, Gordon. Mussel Department Manager, Taylor Shellfish Company, Inc. March 6, March 17, May 19, and May 31, 2009. Personal communication by e-mail with Vicki Morris, Vicki Morris Consulting Services, re: typical mussel farm operational characteristics.
- La Rosa, T., S. Mirto, E. Favalaro, B. Savona, G. Sara, R. Danovaro, and A. Mazzola. 2002. *Impact on the water column biogeochemistry of a Mediterranean mussel and fish farm*. *Water Res.* 36:713-721.
- LeBlanc, A.R., T. Landry, and G. Miron. 2003. *Fouling organisms of the blue mussel Mytilus edulis: their effect on nutrient uptake and release*. *J. Shellfish Res.* 22(3):633-638.
- Margenex International. April 7, 2009. *Taylor Shellfish old plant site characterization, field report*. Seattle, WA.

- Mazouni, N., J.C. Gaertner, and J.M. Deslous-Paoli. 2001. *Composition of biofouling communities on suspended oyster cultures: an in situ study of their interactions with the water column*. Mar. Ecol. Prog. Ser. 214:93-102.
- McDonald JH, Seed R, Koehn RK. 1991. *Allozymes and morphometric characters of three species of Mytilus in the Northern and Southern hemispheres*. Mar Biol 111:323–33.
- National Marine Fisheries Service (NMFS). 2009. *Endangered Species Act – Section 7 programmatic consultation biological and conference opinion and Magnuson-Stevens Fishery Conservation and Management Act essential fish habitat consultation Nationwide Permit 48, Washington*. Seattle, WA.
- National Oceanographic and Atmospheric Administration (NOAA) Fisheries. 2008. *Fish Watch – US Seafood Facts: Lingcod*. URL: <http://www.nmfs.noaa.gov/fishwatch/species/lingcod.htm>. Visited January 6, 2008.
- Newfields. 2009. *An assessment of potential water column impacts of mussel raft culture in Totten Inlet*. Report to Taylor Resources, Inc., Shelton, WA. Prepared by Newfields Northwest, Port Gamble, WA.
- Office of the Attorney General, State of Washington. January 4, 2007. *Department of Fish and Wildlife – Shoreline Management Act – Department of Ecology – Extent to which hydraulic project approval permits under RCW 77.55.021 to regulate planting, growing, or harvesting of farm-raised geoduck clams by private parties*. Attorney General’s Opinion (AGO) 2007 No. 1, 2007 WL 81009.
- Pearcy, W.G. 1997. *The sea-run and the sea*. In: *Sea-Run Cutthroat Trout: Biology, Management, and Future Conservation*. Oregon Chapter, American Fisheries Society.
- Preikshot, D. and A. Beattie. 2001. *Fishing for answers: analysis of ecosystem dynamics, trophic shifts and salmonid population changes in Puget Sound WA, 1970-1999*. The Fisheries Centre, University of British Columbia, Vancouver, B.C., Canada. 33p.
- Prins, T.C., and A.C. Smaal. 1989. *Carbon and nitrogen budgets of the mussel Mytilus edulis L. and the cockle Cerastoderma edule (L.) in relation to food quality*. Topics in Marine Biology. Ros, J. E. (Ed.). Scient Mar. 53:477-482.
- Rawson, P.D., V. Agrawal, and T.J. Hilbish. 1999. *Hybridization between the blue mussels Mytilus galloprovincialis and M. trossulus along the Pacific Coast of North America*. Mar Biol 134:201–11.
- Rensel Associates and PTI Environmental Services. 1991. *Nutrients and phytoplankton in Puget Sound*. Prepared for US Environmental Protection Agency Report 910/9-91-002. Seattle, WA. 130 p.
- Riginos, C., D. Wang, and A. J. Abrams. 2006. *Geographic variation and positive selection on M7 lysin, an acrosomal sperm protein in mussels (Mytilus spp.)*. Molecular Biology and Evolution. 23(10):1952-1965; doi:10.1093/molbev/msl062.
- Rodhouse, P.G., C.M. Roden, M.P. Hensey, and T.H. Ryan. 1985. *Production of mussels, Mytilus edulis, in suspended culture and estimates of carbon and nitrogen flow: Killary Harbour, Ireland*. J. Mar. Biol. Ass. U.K. 65:55-68.
- Ruesink, J. 2009. *Productivity and nutrient sources in Totten Inlet in the context of greater Puget Sound*. South Sound Science Symposium May 6, 2009. Shelton, WA.

- Seattle Times. 2002. *If you go*. Published December 18, 2002. Seattle, WA.
- Squaxin Island Tribe. February 27, 2007. *Housing district pump station, force main, and reuse line project NEPA Environmental Report*. Prepared for the U.S. Environmental Protection Agency and the U.S. Department of Agriculture–Rural Development.
- Stick, K. C. 2005. *2004 Washington State herring stock status report*. Washington Department of Fish and Wildlife. Olympia, WA.
- Stinson, D. W., J. W. Watson, and Kelly R. McAllister. 2007. *Washington State status report for the bald eagle*. Washington Department of Fish and Wildlife. Olympia, WA. 86 + viii pp.
- Thuesen, Erik. 2009. The Evergreen State College, 2700 Evergreen Parkway NW, Olympia, Washington 98505. Personal communication, as cited in Newfields (2009), Appendix D.
- Tonnes, Dan. Biologist, National Marine Fisheries Service. May 4, 2010. Personal communication by telephone conversation with Mark Pedersen, President, Margenex International, re: recent listing of three Puget Sound rockfish species under the ESA.
- U.S. Department of Agriculture. Economic Research Service. June 2009. Aquaculture data: Volume and value of U.S. imports of selected fish and shellfish products. Website visited June 24, 2009: <http://www.ers.usda.gov/Data/Aquaculture>.
- U.S. Department of Commerce, Fisheries of the United States. 2006. Seafood trade deficit for edible products, cited in National Oceanic and Atmospheric Administration, October 2007 (page 11).
- U.S. Fish and Wildlife Service. 2009. *Endangered Species Act – Section 7 Consultation Biological Opinion Nationwide Permit 48 for shellfish aquaculture State of Washington*. U.S. Fish and Wildlife Service Reference: 13410-2008-F-0461 Lacey, WA.
- Whale Museum. 2003. The Whale Museum Orca Master 1990-2003. (DC of killer whale sighting data.) The Whale Museum, Friday Harbor, Washington. (as published in *Proposed Recovery Plan for Southern Resident killer whales (Orcinus orca)* Figure 5, prepared by National Marine Fisheries Service, Northwest Regional Office. Seattle, WA.
- Washington State Conservation Commission (WSCC). 2003. *Salmonid Habitat Limiting Factors Water Resource Inventory Area 14*. Washington State Conservation Commission. Olympia, WA.
- Washington State Department of Ecology (WDOE). 2002. *South Puget Sound water quality study*. Publication No. 02-03-021; Olympia, WA. 116 pp + Appendices.
- Washington State Department of Ecology (WDOE). 2008. *South Puget Sound oxygen study interim data report*. Publication No. 08-03-037; Olympia, WA. Page 29.
- Washington Department of Fisheries. 1992. *Salmon, marine fish and shellfish resources and associated fisheries in Washington's coastal and inland marine waters*. Technical Report Number 79. Olympia, WA.

- Washington Department of Fish and Wildlife (WDFW). 2009. *Priority fish report from the Washington Lakes and Rivers Information System database in the vicinity of T19R02W Section 5. March 10, 2009.* Olympia, WA.
- WDFW. 2009a. Kennedy Creek. URL: http://wdfw.wa.gov/fish/chum/viewingchum_kennedy.htm. Visited April 15, 2009.
- Westcott, Timothy. Private Aids to Navigation Manager, U.S. Coast Guard. May 28, May 29, and July 7, 2009. Personal communications by e-mail with Vicki Morris, Vicki Morris Consulting Services (EIS consultant) re: required and other possible private aids to navigation to identify the location of the North Totten Inlet mussel raft within the waterway, and preliminary assessment of minimal impact.
- Wonham, M.J. 2001. *Ecology and management of marine biological invasions: distribution and environmental constraints in Mytilus galloprovincialis*. PhD Dissertation. University of Washington. Seattle, WA.
- WSDOT. 2005. *Canal Bridge Project*. 2005 Summer Meeting/Conference of the Transportation Research Board ADC40 (A1F04) Noise & Vibration Committee Conference. Washington State Department of Transportation. Olympia, WA.

