APPENDIX A:

DUNGENESS WATERSHED RESTORATION PLANS AND ACTIVITIES
(1989 – 2006)¹

[Note: References cited in the 2009 Comprehensive Flood Management Plan are in bold type.]

I. Plans and Studies

A. Major Plans and Documents

- **Dungeness River Greenway Plan.** 1994. CZM, by Clallam County.
- **Elwha-Dungeness Watershed Plan for Water Resource Inventory Area 18 and Sequim Bay in West WRIA 17.** May, 2005. Entrix, Inc. and the Clallam

¹ Updated April, 2007 by the Jamestown S’Klallam Tribe
County Dept. of Community Development for the Elwha-Dungeness Planning Unit. Clallam County, Port Angeles, WA.


- **Shoreline Master Program/Inventories.** Ongoing. Preparation for future amendments to integrate GMA/CAO/Watershed Planning.


**B. Habitat Assessment**


C. Stock Analysis / Rebuilding / Recovery


• Dungeness Chinook Captive Broodstock Program. 1992-present. WA Department of Fish and Wildlife, Jamestown S'Klallam Tribe, USFWS, volunteers.


• Dungeness Fall Pink Captive Broodstock Program and Tagging. 1995-present. WDFW, Jamestown S'Klallam Tribe, USFWS.

• Dungeness Pink Outmigration. 1994. USFWS.


Summer Chum Recovery Project. On-going. WDFW, North Olympic Salmon Coalition, Jamestown S’Klallam Tribe, volunteers.

Toward Recovery: Clallam County Response to the Endangered Species Act Listing of and Proposed Listing of Salmonids Species in Puget Sound, the Strait of Juan de Fuca and the Pacific Coast. Date Unknown. Clallam County Department of Community Development.


D. Instream Flow / Water Conservation / Water Quality / Water Resources Studies


Fish Habitat Analysis for the Dungeness River Using the Instream Flow Incremental Methodology. 1991. Wampler and Hiss, USFWS.


• **Irrigation Tailwater Quality Assessment.** 2003. Clallam Conservation District.


• **Irrigation and Stormwater Feasibility Study.** 2003. Cline Irrigation District, Clallam County Road Department, Washington Conservation Commission, Clallam Conservation District, Department of Ecology.


• **Results of a Screening Analysis for Pharmaceuticals in Wastewater Treatment Plant Effluents, Wells, and Creeks in the Sequim-Dungeness Area. November 2004.**

• **SNOTEL Gauges (2). 1998-1999.** Installation in upper Dungeness to predict instream flows, drought, flooding. NRCS, for Jamestown S’Klallam Tribe.

• **Stream flow measurements (on river, tributaries, irrigation ditches), Dungeness River. 1924-present / ongoing.** USGS. Also flow measurements are collected by WA Department of Ecology (real-time monitoring on five irrigation outtakes), Jamestown S’Klallam Tribe, Sequim-Dungeness Agricultural Water Users Association, Streamkeepers.


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II. **Restoration and Education Projects and Programs**

A. **Restoration Projects and Programs**

• **Burlingame Bridge Widening and Habitat Restoration.** 2001. Clallam County.
• **Clallam County Noxious Weed Removal / Survey.** 2003. Surveyed 130 miles and treated 37 miles in upper watershed. U.S. Forest Service, Clallam County, Department of Ecology’s WCC Program.

• **Conservation Reserve Enhancement Program (CREP).** Ongoing. Washington Conservation Commission, NRCS.

• **Derelict Fishing Gear Removal Pilot Project.** 2003. Northwest Straits Commission, NOAA, Clallam County Marine Resource Committee, Puget Sound Action Team, WDFW.


• **Stream Restoration Projects** (fencing/re-vegetation along rivers/creeks - Gray Wolf, Bell, Cassalery, Hurd, Matriotti, Meadowbrook, Siebert). 1994–present. JFE-DNR, Clallam County, Clallam Conservation District, Jamestown S'Klallam Tribe, Youth Conservation Corps, Pacific Woodrush.

### B. Public Education Projects


• **Dungeness Bay Stewardship Initiative.** 1999. Clallam County, CCWF.

• **Dungeness Bay Tour.** 1998. Clallam County.
• Dungeness Bay Watchers. 1999. Public Involvement and Education (PIE) Grant, Puget Sound Water Quality Authority, Clallam County.


• Dungeness River Riparian Landowners Education Project – “Living on the River” booklet. 1998. Clallam County, CCWF.

• Dungeness River Festival. Biennial festival featuring booths from Dungeness River stakeholder groups, and including environmental stewardship activities and information for children and adults.

• Groundwater Guardian Program. 2001-present. Clean Water District, Clallam County, Groundwater Foundation.

• Living by the Coast, Coastal Processes Workshops. 1998-1999. CZM, Clallam County.

• Matriotti Creek Environmental Learning Area. 1992 – Ongoing. Clallam County.


• Stream Keepers of Clallam County. 1999-present. Clallam County.

III. Studies / Projects in Progress 1998-2006

A. Projects / Plans / Studies / Programs in Progress


• Dungeness In-stream Flow Rulemaking. Executive and Technical Groups regularly meeting to develop Rule for in-stream flows and water management strategies. Discussions are based on recommendations in the Elwha-Dungeness Watershed Plan. Rule will guide future water right and water availability decision-making, and will protect existing water rights and water in streams for ESA-listed salmonids. Final Rule expected 2008,
• **Dungeness Irrigation System Improvements.** On-going. To improve water conveyance efficiency, water conservation, and fisheries survival. Sequim-Dungeness Agricultural Water Users Association, Clallam Conservation District, Jamestown S'Klallam Tribe, NRCS.


**B. Planning**

• **State HB2496 North Olympic Peninsula Salmon Recovery Planning (WRIA’s 17-20).** 1998-present. Clallam County lead.


• **Clallam County Marine Resource Committee.** 2001-present/ongoing.

• **Agricultural Conservation Planning and Implementation.** On-going technical assistance for: agricultural conservation and Best Management Practices, farm conservation plans, dairy nutrient management plans, restoration planning. Clallam Conservation District.