

Recommended edit to the 2012 WATER MANAGEMENT PLAN (December 31, 2011) for the 2013 WMP edition.

### *7.3 Bonneville Chum Operations, page 47*

The AAs plan to operate the FCRPS to provide flows to support chum salmon spawning, incubation and egress from the Ives/Pierce Islands spawning areas. The Ives/Pierce Island complex represents approximately 12% of the natural spawning area above the I-205 Bridge and about 3.4% for the entire Columbia River chum ESU based on the 2006-2010 average distribution. ~~Non-listed~~ Listed Lower Columbia River Tule fall Chinook salmon and non-listed up-river bright fall Chinook salmon are also known to spawn in the Ives/Pierce Islands area.

#### **LOWER COLUMBIA RIVER CHINOOK ESU – THREATENED**

<http://www.nwr.noaa.gov/ESA-Salmon-Listings/Salmon-Populations/Chinook/CKLCR.cfm>

The Lower Columbia River Chinook ESU extends from the mouth of the Columbia to Hood River/White Salmon River, and up the Willamette River to the Willamette Falls (excludes Clackamas River).

Predominantly, these are Tule fall Chinook but also include some specific stocks of spring Chinook.

One source of documented Tule spawning below Bonneville Dam follows:

ODFW. 2003. Evaluation Of Fall Chinook And Chum Salmon Spawning Below Bonneville Dam. Annual Report 2002-2003.

[http://www.dfw.state.or.us/fish/OSCRP/CRM/reports/03\\_reports/03\\_bds\\_report.pdf](http://www.dfw.state.or.us/fish/OSCRP/CRM/reports/03_reports/03_bds_report.pdf)

See results (page 12) and following tables and discussion.

David Wills  
U.S. Fish & Wildlife Service  
Columbia River Fisheries Program Office  
1211 SE Cardinal Court, Suite 100  
Vancouver, Washington 98683-9684  
phone: (360) 604-2500  
e-mail: david\_wills@fws.gov