List of References


Burke, J. 1997. ODFW Aquatic Inventory Project Stream Report; Crooked River. Survey from Lake Billy Chinook to Bowman Dam. Oregon Department of Fish and Wildlife, Corvallis.


References


References


IBIS. 2004. Interactive Biological Information System. Northwest Habitat Institute, Corvallis, OR www.nhi.org


Lower Deschutes Local Advisory Committee (LDLAC). 2002. Lower Deschutes Agricultural Water Quality Management Area Plan. Lower Deschutes Local Advisory Committee with assistance from Oregon Department of Agriculture and Wasco County Soil and Water Conservation District, The Dalles, Oregon.


Middle Deschutes Local Advisory Committee (MDLAC). 2001. Middle Deschutes Agricultural Water Quality Management Area Plan. Middle Deschutes Local
Advisory Committee with assistance from Oregon Department of Agriculture and
Jefferson County Soil and Water Conservation District, Redmond, Oregon.

Minear, P.J. 1999. Historical Riparian Conditions and Large In-channel Wood,
Deschutes River Oregon. Prepared for Portland General Electric, Hydro Licensing
Department, Portland Oregon.

Attributes. P.71. Vashon, Washington

Mobrand Biometrics. 2003a. Guidelines for Rating Selected Level 2 Environmental
Attributes. P.67. Vashon, Washington

Mobrand Biometrics. 2003b. Guidelines for Rating Selected Level 2 Environmental
Attributes. P.86. Vashon, Washington

Moore, D., Z. Willey and A. Diamant. 1995. Restoring Oregon’s Deschutes River,
Developing Partnerships and Economic Incentives to Improve Water Quality and
Springs Reservation of Oregon.


Peterson, D.L Peterson, R. Slaughter, A. Snover. 2003. Preparing for Climatic
Change: The Water, Salmon, and Forests of the Pacific Northwest. JISAO/SMA
Climatic Impacts Group, University of Washington, Seattle, Washington.

Mote, P., M. Holmberg, N. Mantua. 1999. Executive Summary: Impact of Climate
Change on Pacific Northwest. JISAO/SMA Climatic Impacts Group, University of

Murray, D. F. 1961. Some factors affecting the production and harvest of beaver in the

Myers, J.M., R.G. Kope, G.J. Bryant, D. Teel, L.J. Lierheimer, T.C. Wainwright, W.S.
of Chinook Salmon from Washington, Idaho, Oregon and California. U.S. Dept. of


Nehlsen, W. 1995. Historical Salmon and Steelhead of the Upper Deschutes River and
Their Environments. Prepared for Portland General Electric, Portland, Oregon.

Prepared for the Northwest Power Planning Council. Oregon Department of Fish
and Wildlife.


Oregon Department of Environmental Quality (ODEQ). 2002. State of Oregon 303(d) list for water quality limited streams.


Upper Deschutes Local Advisory Committee (UDLAC). 2003. Upper Deschutes Agricultural Water Quality Management Area Plan. Upper Deschutes Local Advisory Committee with assistance from Oregon Department of Agriculture and Deschutes Soil and Water Conservation District, Redmond, Oregon.


Prineville District, Bureau of Land Management and Pacific Northwest Region, Bureau of Reclamation.


References


References


Personal Communications


Carey, C. Wildlife Biologist, Oregon Department of Fish and Wildlife, Bend, Oregon. Personal communication. 2004.


Acronyms and Abbreviations

AIP    Aquatic Inventory Project
AU    Assessment Unit
BLM    Bureau of Land Management
BPA    Bonneville Power Administration
BOR    Bureau of Reclamation
cfs    cubic feet per second
COIC    Central Oregon Intergovernmental Council
COID    Central Oregon Irrigation District
Council    Northwest Power and Conservation Council
CRLAC    Crooked River Local Advisory Committee
CTWS    Confederated Tribes of the Warm Springs Reservation of Oregon
CRITFC    Columbia River Inter-Tribal Fish Commission
CRP    Conservation Reserve Program
CWA    Clean Water Act
DCG    Deschutes Coordinating Group
DEQ    Oregon Department of Environmental Quality
DMA    Designated Management Area
DO    dissolved oxygen
EDT    Ecosystem Diagnosis and Treatment
EIS    Environmental Impact Statement
ENSO    El Nino – Southern Oscillation
EPA    U.S. Environmental Protection Agency
ESA    Endangered Species Act
ESU    Evolutionary Significant Unit
FERC    Federal Energy Regulatory Commission
GIS    Geographic Information System
HCP    Habitat Conservation Plan
HE    Habitat Element
HEP    Habitat Evaluation Procedures
HGMP    Hatchery Genetic Management Plan
Huc    habitat
IBIS    Interactive Biological Information System
IHN    Infectious Hematopoietic Necrosis
ISG    Independent Scientific Group
ISRP    Independent Scientific Review Panel
JAR    Juvenile Adult Ratio
KEC    Key Environmental Correlate
KEF    Key Environmental Function
KEG    key environmental correlates
LAC    Local Advisory Committee
LWD    large woody debris
MDLAC    Middle Deschutes Local Advisory Committee
n/a    not available or not applicable
NEPA    National Environmental Protection Act
NOAA    National Oceanic and Atmosphere Administration
NOAA Fisheries    National Marine Fisheries Service (formerly NMFS)
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMFS</td>
<td>National Marine Fisheries Service</td>
</tr>
<tr>
<td>NPCC</td>
<td>Northwest Power and Conservation Council</td>
</tr>
<tr>
<td>NRC</td>
<td>National Research Council</td>
</tr>
<tr>
<td>NRCS</td>
<td>USDA National Resources Conservation Service</td>
</tr>
<tr>
<td>NTUs</td>
<td>Nephelometric Turbidity Units</td>
</tr>
<tr>
<td>OAR</td>
<td>Oregon Administrative Rules</td>
</tr>
<tr>
<td>OCG</td>
<td>Oregon Coordinating Group</td>
</tr>
<tr>
<td>ODA</td>
<td>Oregon Department of Agriculture</td>
</tr>
<tr>
<td>ODEQ</td>
<td>Oregon Department of Environmental Quality</td>
</tr>
<tr>
<td>ODFW</td>
<td>Oregon Department of Fish and Wildlife</td>
</tr>
<tr>
<td>ORS</td>
<td>Oregon Revised Statutes</td>
</tr>
<tr>
<td>OOSE</td>
<td>Out of Subbasin Effects</td>
</tr>
<tr>
<td>OWEB</td>
<td>Oregon Watershed Enhancement Board</td>
</tr>
<tr>
<td>OWRD</td>
<td>Oregon Water Resources Department</td>
</tr>
<tr>
<td>PasRas</td>
<td>Passage Risk Assessment Simulation</td>
</tr>
<tr>
<td>PDO</td>
<td>Pacific Decadal Oscillation</td>
</tr>
<tr>
<td>PGE</td>
<td>Portland General Electric</td>
</tr>
<tr>
<td>pH</td>
<td>Alkalinity-Acidity Scale</td>
</tr>
<tr>
<td>PNAMP</td>
<td>Pacific Northwest Aquatic Monitoring Partnership</td>
</tr>
<tr>
<td>PFT</td>
<td>Pelton Fish Trap</td>
</tr>
<tr>
<td>PUD</td>
<td>Public Utility District</td>
</tr>
<tr>
<td>QHA</td>
<td>Qualitative Habitat Assessment</td>
</tr>
<tr>
<td>RM</td>
<td>river mile</td>
</tr>
<tr>
<td>RBH</td>
<td>Round Butte Fish Hatchery</td>
</tr>
<tr>
<td>SAR</td>
<td>Smolt Adult Ratio</td>
</tr>
<tr>
<td>SWCD</td>
<td>Soil and Water Conservation District</td>
</tr>
<tr>
<td>TID</td>
<td>Tumalo Irrigation District</td>
</tr>
<tr>
<td>TMDL</td>
<td>Total Maximum Daily Load</td>
</tr>
<tr>
<td>TOAST</td>
<td>Technical Outreach and Assistance for Subbasin Teams</td>
</tr>
<tr>
<td>TRT</td>
<td>Technical Recovery Team</td>
</tr>
<tr>
<td>TSS</td>
<td>Total Suspended Sediment</td>
</tr>
<tr>
<td>UDLAC</td>
<td>Upper Deschutes Local Advisory Committee</td>
</tr>
<tr>
<td>UGB</td>
<td>urban growth boundary</td>
</tr>
<tr>
<td>USDA</td>
<td>U.S. Department of Agriculture</td>
</tr>
<tr>
<td>USFS</td>
<td>U.S. Forest Service</td>
</tr>
<tr>
<td>USFWS</td>
<td>U.S. Fish and Wildlife Service</td>
</tr>
<tr>
<td>USGS</td>
<td>U.S. Geological Service</td>
</tr>
<tr>
<td>Warm Springs Hatchery</td>
<td>Warm Springs National Fish Hatchery</td>
</tr>
<tr>
<td>Warm Springs Tribes</td>
<td>Confederated Tribes of the Warm Springs Reservation of Oregon</td>
</tr>
<tr>
<td>WSNFH</td>
<td>Warm Springs National Fish Hatchery</td>
</tr>
<tr>
<td>WQI</td>
<td>water quality index</td>
</tr>
</tbody>
</table>
Draft
Deschutes Subbasin Plan

May 28, 2004

Deschutes Subbasin Planning Team Leaders

Project Manager, Joanne Palmer
Writer/Planner, Barbara Taylor
Fish Assessment, Jim Newton
Wildlife Assessment, Gary Hostick
Outreach, Patricia Gainesforth
Inventory, Darcy McNamara
Mapping, Mark Garner
Disclaimer

The goal of the Northwest Power and Conservation Council was for the subbasin plans to result from collaborative efforts within each subbasin. In the Deschutes Subbasin, all parties with information relevant to the planning process were provided the opportunity to participate in this process. As a result, there were many different stakeholders providing information contributing to the plan results. Submission of this plan does not imply that all parties who participated agree with the specific results in all sections of the plan. We intend that all parties have an additional opportunity to respond to the plan during the public comment period that will be provided by the Council.