Chapter 4 - Environmental Commitments

The following environmental commitments would be implemented as an integral part of the Proposed Action.

1. **Standard Reclamation Management Practices**—Standard Reclamation management practices would be applied during construction activities to minimize environmental effects and would be implemented by Reclamation construction forces or included in construction specifications. Such practices or specifications include sections in the present report on public safety, dust abatement, air pollution, noise abatement, water pollution abatement, waste material disposal, erosion control, archaeological and historical resources, vegetation, and wildlife.

2. **Additional Analyses**—If the Proposed Action were to change significantly from that described in the EA because of additional or new information, or if other construction areas are required outside the areas analyzed in this EA, additional environmental analysis including cultural and paleontological analyses would be undertaken if necessary.

3. **Clean Water Act Compliance**—If Congress approves this project, before beginning construction activities associated with modification or relocation of recreation facilities, Reclamation or its contractor would obtain from the U.S. Army Corps of Engineers, a 404 Permit, Clean Water Act of 1977 (P.L. 95-217). The conditions and requirements of the 404 Permit would be strictly adhered to by Reclamation and the District. Also, in compliance with the provisions of the Utah Water Quality Act, Title 19, Chapter 5, Utah Code Annotated 1953, the contractor would be required to get a General Construction Storm Water Permit as part of the Utah Pollutant Discharge Elimination System (UPDES) from the State of Utah Division of Water Quality, if the area of disturbance is or exceeds 1 acre. The contractor would need to implement erosion and sediment controls according to a storm water pollution prevention plan prepared in compliance with the general permit.

4. **Appropriate measures** would be taken to ensure that construction related sediments would not enter Willard Reservoir either during or after construction.
5. Cultural Resources--Although no effect to cultural resources is anticipated, the construction activity will be monitored by the Provo Area Office archaeologist to ensure that cultural resources or historic properties will not be adversely affected.

Any person, who knows that he/she has inadvertently discovered possible human remains on Federal land, must provide immediate telephone notification of the discovery to Reclamation’s Provo Area Office archaeologist. Work would stop until the proper authorities were able to assess the situation onsite. This action would promptly be followed by written confirmation to the responsible Federal agency official with respect to Federal lands. The Utah State Historic Preservation Office and interested Native American tribal representatives would be promptly notified (see Section 3.2.9.2 for list of tribes contacted). Consultation would begin immediately. This requirement is prescribed under the Native American Graves Protection and Repatriation Act (43 CFR Part 10); and the Archaeological Resources Protection Act of 1979 (16 U.S.C. 470).

The above process is listed on a “yellow card,” to be placed in the cabs of heavy equipment used during construction of the proposed project. This card would be distributed to the equipment operators and verbal direction and description of possible inadvertent discovery scenarios would be given at a preconstruction meeting by the Provo Area Office archaeologist prior to any ground-disturbing activity.

6. Construction Activities Confined to Previously Disturbed Areas--All construction activities would be confined to previously disturbed areas, to the extent practicable. All winter construction activities occurring within ½-mile of any bald eagle roost site would be restricted to hours between 9 a.m. and 4 p.m. from November 1st to March 31st, and into April, if necessary until all bald eagles have left the area.

7. Public Access--Construction sites would be closed to public access. Temporary fencing, along with signs, would be installed to prevent public access. Reclamation and the District would coordinate with Willard Bay State Park personnel as necessary to ensure public safety.

8. Disturbed Areas--All disturbed areas would be smoothed, shaped, seeded, contoured, and rehabilitated to as near their preproject construction condition as practicable. After completion of the recreation facility construction and restoration activities, disturbed areas would be seeded at appropriate times with weed-free, native
seed mixes. The composition of seed mixes would be coordinated with wildlife habitat specialists. Weed control on all disturbed areas would be required.

9. Appropriate steps would be taken to prevent the spread of, and to otherwise control undesirable plants and animals within areas affected by construction activities. Equipment used for the project would be inspected for reproductive and vegetative parts, foreign soil, mud or other debris that may cause the spread of weeds, invasive species and other pests, and for removing such material before moving vehicles and equipment onto any Federal land or out of any area on Federal project land where work is performed. Upon the completion of work, decontamination would be performed within the work area before the vehicle and/or equipment are removed from Federal project lands.

10. Environmental Commitment Plan (ECP) and Environmental Commitment Checklist (ECC)--An ECP and an ECC would be prepared and used by the Provo Area Office to ensure compliance with the environmental commitments and the environmental quality protection requirements. A post-construction environmental summary (PCES) would be completed within 1 year after completion of the project to assess the effectiveness of the mitigation measures.
Chapter 5 - Consultation and Coordination

5.1 Introduction

This chapter details the consultation and coordination between Reclamation and other Federal, state, and local government agencies, Native American Tribes, and the public during the preparation of this EA. Compliance with NEPA is a Federal responsibility that involves the participation of all of these entities in the planning process. NEPA requires full disclosure about major actions taken by Federal agencies and accompanying alternatives, impacts, and potential mitigation of impacts.

5.2 Public Involvement

The Draft EA for this project was made available for public review and comment from October 31 to November 26, 2007. Two comment letters were received, and revisions to this final EA were made as appropriate based upon those comments.

Interested parties may view a copy of the Final EA on the internet at Reclamation’s Provo Area Office website at www.usbr.gov/uc/provo/index.html (look under the section “Current Focus” and click on the EA). They may also obtain a copy by submitting a written request to Mr. W. Russ Findlay, Bureau of Reclamation, Provo Area Office. The address is 302 East 1860 South, Provo, Utah 84606-7317, or e-mail, rfindlay@uc.usbr.gov.

5.3 Native American Consultation

Consultation regarding cultural resources for this Proposed Action has been completed with all interested tribes, including the Ute Tribe of the Uintah and Ouray Reservation near Fort Duchesne, Utah; the Northwest Band Shoshone Nation of Brigham City, Utah; the Paiute Indian Tribe of Utah, Cedar City, Utah; the Skull Valley Goshute Tribe of Salt Lake City, Utah; the Zuni Indian Tribe of Zuni, New Mexico; the Hopi Tribe of Kykotsmovi, Arizona; the Pueblo of Zia of Zia, New Mexico; the Kaibab Band of Paiute Indians of Fredonia, Arizona; the Pueblo of Laguna, Laguna, New Mexico; the Pueblo of Nambe, of Santa Fe, New Mexico, and the Confederated Goshutes of Ibapah, Utah.

This consultation was conducted in compliance with 36 CFR 800.2(c)(2), on a government-to-government basis. Through this effort, the tribes were given a
reasonable opportunity to (1) identify any concerns about historic properties; (2) advise on the identification of historic properties, including those of traditional religious and cultural importance; (3) express their views on the undertaking’s effects on such properties; and (4) participate in the resolution of adverse effects.

5.4 **Coordination with Other Agencies**

Consultation has been completed with the Utah SHPO to comply with Section 106 of the NHPA for cultural resources.
## Chapter 6 - Preparers

The following contributors to the EA are part of the U.S. Department of the Interior, Bureau of Reclamation, Provo Area Office.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position Title</th>
<th>Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linda Andra</td>
<td>Secretary</td>
<td>Visual Identity</td>
</tr>
<tr>
<td>Michael Berry, PhD</td>
<td>Archaeologist</td>
<td>Cultural Resources; Indian Trust Assets; Paleontology</td>
</tr>
<tr>
<td>Gary Carlson</td>
<td>Supervisory Civil Engineer</td>
<td>Public Safety, Access, and Transportation; System Operations, Water Resources</td>
</tr>
<tr>
<td>Alan Christensen</td>
<td>Civil Engineer</td>
<td>Lands</td>
</tr>
<tr>
<td>Peter Crookston, MS</td>
<td>Environmental Protection Specialist</td>
<td>NEPA Review</td>
</tr>
<tr>
<td>Troy Ethington, MS</td>
<td>Geographer</td>
<td>Mapping; Graphic Design</td>
</tr>
<tr>
<td>W. Russ Findlay, MS</td>
<td>Fish and Wildlife Biologist</td>
<td>Wetlands and Vegetation, Fish and Wildlife, T&amp;E Species, EA Coordinator, NEPA Compliance</td>
</tr>
<tr>
<td>Beverley Heffernan, AB</td>
<td>Supervisory Environmental Protection Specialist</td>
<td>NEPA Compliance, Environmental Justice</td>
</tr>
<tr>
<td>Jim Jensen, LA³, LS⁵</td>
<td>Landscape Architect; Land Surveyor</td>
<td>Recreation; Visual</td>
</tr>
<tr>
<td>Johnn Sterzer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rafael Lopez, BA</td>
<td>General Biologist</td>
<td>CWA 404 permit</td>
</tr>
<tr>
<td>Malaina Gaddis</td>
<td>Biological Science Aid</td>
<td>Coordination, Review</td>
</tr>
<tr>
<td>Stephen Noyes, PE³</td>
<td>Civil Engineer</td>
<td>Water Quality</td>
</tr>
<tr>
<td>Tyler Olson, MBA</td>
<td>Economist</td>
<td>Socioeconomics</td>
</tr>
<tr>
<td>Curt Pledger, PE³</td>
<td>Supervisory Design Engineer</td>
<td>Design Review</td>
</tr>
<tr>
<td>Justin Record, PE³</td>
<td>Civil Engineer</td>
<td>Water Rights</td>
</tr>
<tr>
<td>Kerry Schwartz, MPA</td>
<td>Resource Program Manager</td>
<td>Project Oversight</td>
</tr>
<tr>
<td>Cary Southworth, PE³</td>
<td>Supervisory Civil Engineer</td>
<td>Project Design</td>
</tr>
<tr>
<td>Edward Vidmar, PE³</td>
<td>Supervisory Civil Engineer</td>
<td>Agency Review</td>
</tr>
<tr>
<td>Scott Winterton, PE³</td>
<td>Civil Engineer</td>
<td>Project Design</td>
</tr>
</tbody>
</table>

a = Registered Professional Engineer  
b = Registered Landscape Architect  
c = Registered Land Surveyor
Chapter 7 - References


Utah Governor’s Office of Planning and Budget, Location: [http://governor.state.ut.us/dea/demographics/200_census_data_2000/census_data.html].


Utah Department of Environmental Quality, Division of Water Quality, Salt Lake City, Utah. Utah’s 2006 Integrated Report, Volume II - 303(d), List of Impaired Waters, April 1, 2006.


Berry, Michael S. and Claudia F. Berry, 2003. An Archaeological Analysis of the Prehistoric Fremont Culture for the Purpose of Assessing Cultural Affiliation with Ten Claimant Tribes. Ms. on file, Bureau of Reclamation, Upper Colorado Regional Office, Salt Lake City, Utah.

Chadwick, Raymond S., et al., June 1975. Soil Survey of Box Elder County, Utah - Eastern Part. USDA, NRCS, Washington, D.C.


Hassel, Francis K. and Mark E. Stuart, no date. Surface Sites in the Willard Reservoir Basin, Box Elder County, Utah. Unpublished manuscript, Ogden, Utah.


Sommerfeldt, T.E., 1984. Initial assessment of the introduction of spottail shiner (Notropis hudsonius) and delta smelt (Hypomesus transpacificus) into Willard Bay Reservoir, Utah, 81pp.


Summers, Kent, 1970. Willard Bay 1970 Fiscal and Biological Inventory. State of Utah Department of Natural Resources Division of Wildlife Resources, Salt Lake City, Utah.


Utah Department of Environmental Quality, Standards of Quality for Waters of the State (Rule R317-2 Utah Administrative Code) as in effect on July 1, 2007. Salt Lake City, Utah.


Utah Department of Natural Resources, 1997. Willard Bay State Park Visitor Survey Results, prepared by the Division of Parks and Recreation.

Utah Department of Natural Resources. Annual visitation records for Utah State Parks, 1981-1996, prepared by the Division of Parks and Recreation.
Utah Department of Natural Resources. Monthly Use Reports for Willard Bay State Park, 1995-1996, prepared by the Division of Parks and Recreation.

Utah Department of Natural Resources. Monthly visitation records for Utah State Parks, 1990-1996, prepared by the Division of Parks and Recreation.

Utah Department of Transportation, 1993. Traffic on Utah Highways, Utah Department of Transportation, Salt Lake City, Utah.

Utah Department of Transportation, 1995. Traffic on Utah Highways, Utah Department of Transportation, Salt Lake City, Utah.


Utah Governor’s Office of Planning and Budget, 1999. 1999 Economic Report to the Governor. Prepared by the Demographic and Economic Analysis Section. Tables 23 and 27 and Figure 47.

Utah Geological and Mineral Survey, 1989. Geologic Resources of Box Elder County, Utah. UGMS Miscellaneous Publication 89-3, Utah Department of Natural Resources, Salt Lake City, Utah.
