



US Army Corps  
of Engineers  
Northwestern Division

# NORTHWESTERN DIVISION Environmental Restoration Program



June 18, 2002

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# ENVIRONMENTAL BUZZ WORDS



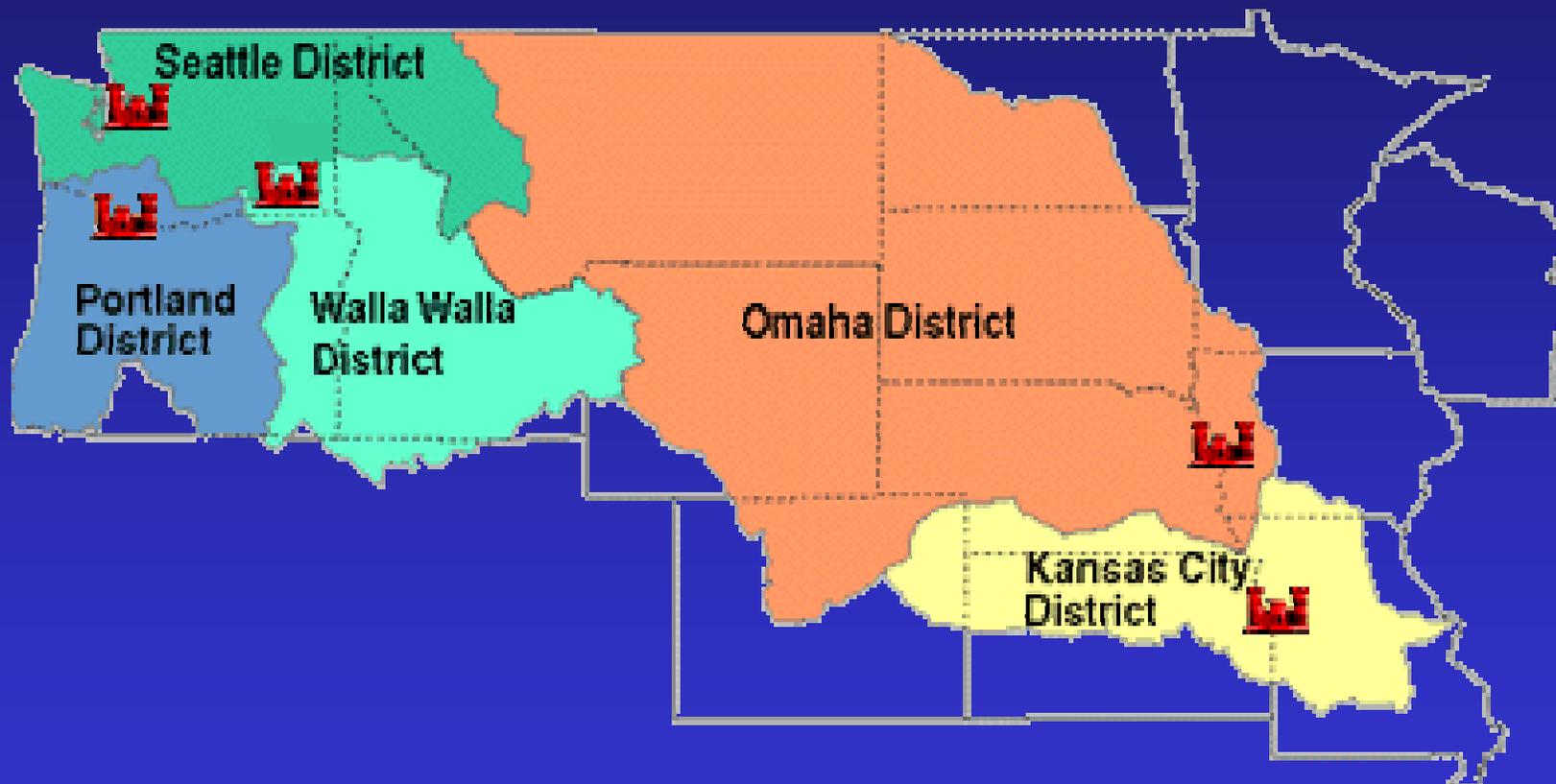
- Environmental Restoration
- Ecosystem Values
- Environmental Operating Principles
- Brown Fields
- Environmental Sustainability
- Ecological Diversity

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# Boyer Chute Restoration Section 1135 Project Inlet 1972



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# Boyer Chute Restoration Section 1135 Project



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# Boyer Chute Restoration Section 1135 Project Upstream Chute



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# Boyer Chute Restoration Section 1135 Project Upstream Chute After Restoration



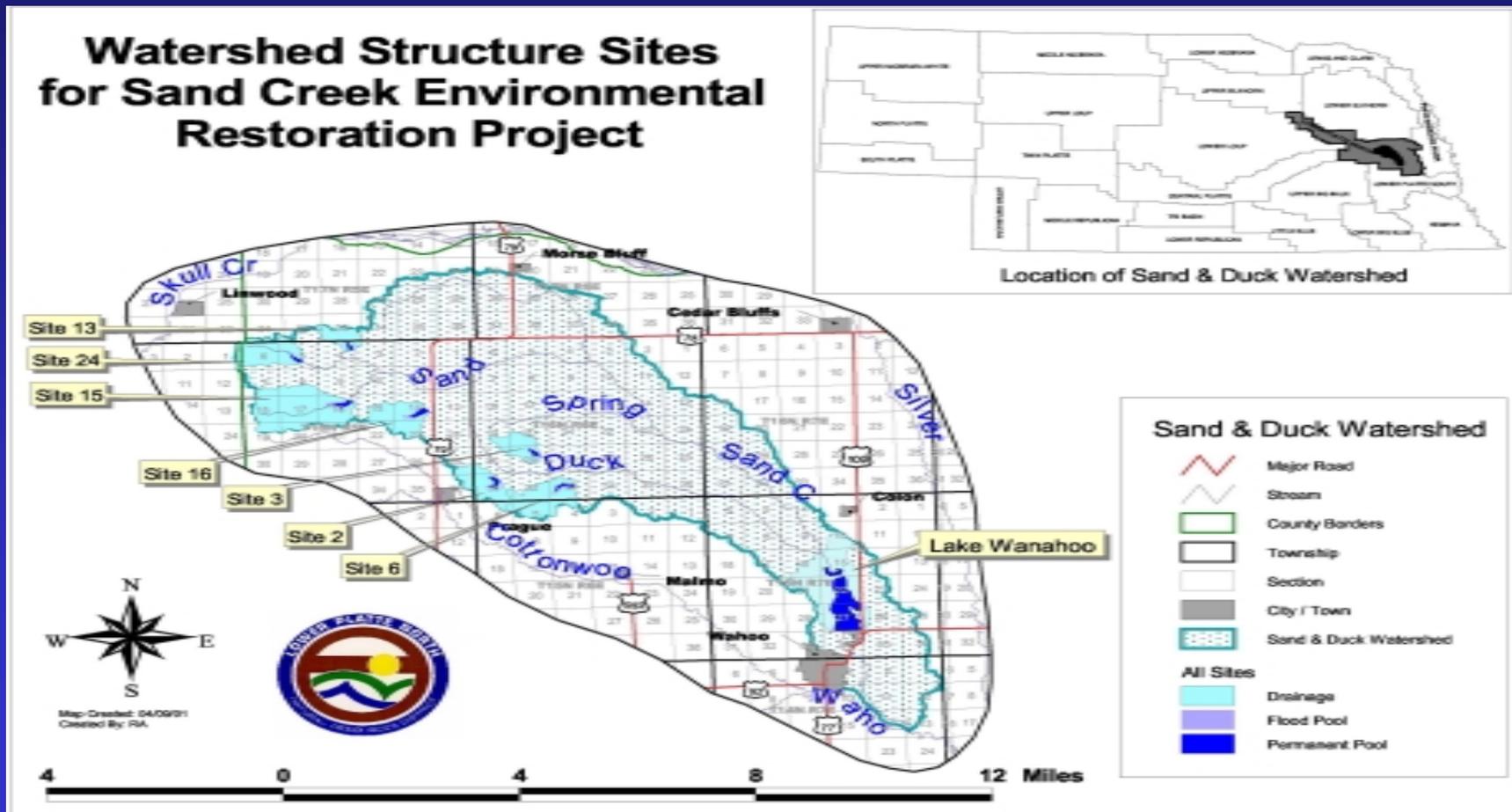
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# Sand Creek Project Features

## Sand Creek, Nebraska



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# Sand Creek Channel Cross Section



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# Sand Creek Wetlands Restoration



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# Denver's Degraded Colfax & Zuni Reaches on the South Platte River



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# Colfax Reach Restoration



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# Colfax Reach Restoration Artist Conception



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# Denver County/Zuni Reach Fabridam Proposed for Removal



**Zero Discharge over dam and 100 percent restriction to aquatic habitat**

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# Goldsborough Dam, WA



Photo 5 Goldsborough Creek dam and powerhouse  
with original fishway. 1920's-1930's.



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# Goldsborough Dam, WA



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# Skagit River Flood Control Project



This proposed project has been redesigned and reformulated from earlier proposals to blend engineering and environmental restoration principles to become environmentally sustainable. Environmentally friendly treatment of structural flood control features has garnered broad public support for the project.



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# Missouri River Fish & Wildlife Mitigation Project



In recognition of the environmental effects associated with the BSNP, the mitigation project continues to embrace environmentally sustainable principles. One mitigation site recorded the only young-of-year pallid sturgeon in nearly two decades.



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# Dredged Material Management Plan (DMMP)



Walla Walla District developed a long term management plan for dredged material disposal on the lower Snake River, in partnership with all stakeholders. This included an evaluation of cumulative effects of material disposal to benefit shoreline erosion, to protect cultural resources and to develop fish and wildlife habitat.

**Before**



**After**



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# NWD STRENGTHS & CAPABILITIES



- **Broad Diversity of Disciplines**
- **Experience With Diverse Environments**
- **Large Watershed Systems**
- **Strong Team Ethic**
- **Proven PM Capabilities**
- **Multi-Agency Team Building**
- **Stakeholder Involvement**

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