



GC0025 09

OREGON WATER RESOURCE DEPARTMENT **RECEIVED**
WATER CONSERVATION, REUSE AND STORAGE **SEP 02 2008**
GRANT PROGRAM

WATER RESOURCES DEPT
SALEM, OREGON

I. Grant Information

Project Name: Noth Unit Irrigation District Main Canal Conservation Project Design

Type of Grant Requested: Water Conservation Reuse Above Ground Storage
 Storage Other Than Above-Ground [Including Aquifer Storage and Recovery (ASR)]

Program Funding Dollars Requested: \$ 240,265 Total cost of planning study: \$ 510,555

Note: Request may not exceed \$500,000

II. Applicant Information

Applicant Name: <i>Scott McCaulou</i>	Co- Applicant Name: <i>Mike Britton</i>
Organization: <i>Deschutes River Conservancy</i>	Organization: <i>North Unit Irrigation District</i>
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Email: <i>scott@deschutesriver.org</i>	Email: <i>mbritton@northunitid.com</i>

Fiscal Officer Name: <i>Tamara Weaver</i>	Principle Contact: <i>Scott McCaulou</i>
Organization: <i>Deschutes River Conservancy</i>	Organization: <i>Deschutes River Conservancy</i>
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Email: <i>tamara@deschutesriver.org</i>	Email: <i>scott@deschutesriver.org</i>

Certification:

I certify that this application is a true and accurate representation of the proposed work for a project planning study and that I am authorized to sign as the Applicant or Co-Applicant. By the following signature, the Applicant certifies that they are aware of the requirements of an Oregon Water Resources Department grant and are prepared to implement the project if awarded.

Applicant Signature: *Scott McCaulou* Date: *8/29/08*

Print Name: *Scott McCaulou* Title: *Program Director*

III. Planning Study Summary

Please give a brief summary of the planning study using no more than 150 words.
Please see attached narrative response to Common Criteria and Unique Criteria (water conservation) questions.

III. Planning Study Summary

The Deschutes River Conservancy (DRC) and North Unit Irrigation District (NUID) are partnering to produce a preliminary design for a water conservation project. The project will enhance irrigation conveyance efficiencies within NUID and improve instream flows in the Deschutes and Crooked Rivers. When completed, the project will produce up to 19,300 acre feet of new supply to help meet existing agricultural and environmental water supply needs. It will enhance instream flows in 130 miles of river, including the upper Deschutes River in the winter and the middle Deschutes River and lower Crooked River during the summer.

This proposal will build on a feasibility study commissioned by the DRC and performed by HDR Engineering (2006). The study evaluated the potential water conservation benefits of lining approximately 19 miles of NUID's main canal. The proposed work would build on this study to move this conservation project from the feasibility stage to a preliminary design. The design will provide the basis for the development of a financing and implementation plan, a necessary component of a large project. Large-scale conservation projects such as this one are complex and require multiple steps to plan and implement, but they provide benefits to multiple water users that smaller projects cannot approach.