

INVESTIGATOR'S ANNUAL REPORT

United States Department of the Interior National Park Service

All or some of the information you provide may become available to the public.

OMB # (1024-0236) Exp. Date (6/30/2007) Form No. (10-226)

Reporting Year: 2006	Park: Washington Office NRPC					Select the type of permit this report addresses: Scientific Study		
Name of principal investigator or responsible official: Jim Loftis				Office Phone: 970-491-2667				
Mailing address: Department of Civil En Colorado State Univers Fort Collins, CO 80523 U.S.A.			Office FAX 970-491-7707 Office Email loftis@engr.colostate.edu					
Additional scientific so Name: Dean Tucker	: 970-225-3516	Email: dean_tucker@nps.gov						
Project Title (maximu Clean Water Act Imp			s for National Pa	rk System \	Water Re	esources (.	J2380060051 & J2380050137)	
Park-assigned Study or Activity #: Park-assign N/A			ed Permit #: Permit Sta Sep 30, 2				Permit Expiration Date: Sep 30, 2009	
Scientific Study Starti Sep 30, 2005	Estimated Scientific Study Ending Date: Sep 30, 2009							
For either a Scientific Study or a Science Education Activity, the status is:			For a Scientific Study that is completed, please check each of the following that applies:					
Continuing			A final report has been provided to the park or will be provided to the park within the next two years					
			Copies of field notes, data files, photos, or other study records, as agreed, have been provided to the park					
			All collected and retained specimens have been cataloged into the NPS catalog system and NPS has processed loan agreements as needed					
Activity Type: Research								
Subject/Discipline: Water Quality								

Purpose of Scientific Study or Science Education Activity during the reporting year (maximum 4000 characters):

Compile water-quality coverages in ArcGIS format and summarize Clean Water Act designations and regulatory status for national park water bodies. The products generated by this effort will include a website, bound reports, and GIS coverages with descriptive, graphical and tabular summaries of:

- Park water bodies that are currently listed on state 303d water-quality impaired lists
- State-designated users for water bodies in parks with significant water resources
- Parks that have designed Outstanding National Resource Waters by state water quality regulations.

Provide an inventory, conducted with a consistent national protocol, to determine what water quality standards apply to individual

parks.

The project will produce a website, hard-copy reports for agency distribution, and digital GIS products.

Findings and status of Scientific Study or accomplishments of Science Education Activity during the reporting year (maximum 4000 characters):

- Continued maintaining and updating the Designated Uses and Impairments (DUI) database; updated the hydrographic and impairments statistics for 55 parks in the Intermountain, Alaska, and Midwest Regions.
- Provided DUI information and data to NPS staff.
- Assisted parks via telephone and email in resolving issues on conflicting compilation of hydrographic statistics and with interpretation of the database. These parks included Niobrara National Scenic River, Montezumaâ s Castle, Devils Tower National Monument, and Kalaupapa National Historic Park.
- Added a table of designated uses to the database and began populating with parksa records.
- Advised key NPS points of contact on emerging problems.

For Scientific Studies (not Science Education Activities), were any specimens collected and removed from the park but not destroyed during analysis?

No

	Funding specifically used in this park this reporting year that
was provided by NPS (enter dollar amount):	was provided by all other sources (enter dollar amount):
\$28052	\$0

List any other U.S. Government Agencies supporting this study or activity and the funding each provided this reporting year:

Paperwork Reduction Act Statement: A federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. Public reporting for this collection of information is estimated to average 1.625 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the forms. Direct comments regarding this burden estimate or any aspect of this form to Dr. John G. Dennis, Natural Resources (3127 MIB), National Park Service, 1849 C Street, N.W., Washington, DC 20240.