

<b>GIS Enterprise Project</b>		<b>Agency/Program #:</b> 5706-21-I1
		<b>Division:</b> Central Services
		<b>Program:</b>
<b>Agency Name:</b>	Department of Natural Resources and Conservation	
<b>Agency Contact:</b>	Ann Bauchman	444-6734
<b>LFC Contact:</b>	Representative Ripley, Representative Erickson	
<b>LFD Liaison:</b>	Barbara Smith	444-5347
<b>OBPP Liaison:</b>	Eileen Rose	444-1338

**Program or Project Description:**

Appropriation, Expenditure and Source					
Fund Name:	2008		2009		Approp & Expenditure numbers are as of October 31, 2007
	Approp.	Expended	Approp.	Expended	
General Fund					
State Special					
Federal Funds					
<b>Total:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

**Goal(s):**

Move the Department towards an Enterprise and Integrated Geographical Information System (GIS) approach to data management

**Performance Measures :**

1. Develop a detailed implementation plan
2. Develop a roadmap for moving the existing infrastructure to an enterprise environment
3. Establish a central infrastructure that eliminates duplication of hardware
4. Develop a statewide license for GIS software, or a department-wide license to improve deployment efficiency.
5. Streamline access to geographic information by providing an internal clearinghouse
6. Increase the number of department GIS users taking, advantage of new technology
7. Establish a department GIS training program

2009 Biennium Significant Milestones:	Completion Dates	
	Target	Actual
1		
2		
3		
4		
5		

**Performance Report:**

See attached report from OBPP

**LFD Narrative:****EXECUTIVE CHANGES:**

- Changes to goals/initiatives: Yes, Goal added
- Change to performance measures: No

**LFD ASSESSMENT:**

- Goal is measureable within the biennium: No, goal and performance measures do not contain targets.
- Progress towards Goal: **Warning**. The narrative provides a detail of the activities that have occurred. However, with the absence of measurements within the performance measures, it is difficult to determine if progress is being made.

**APPROPRIATION ISSUES:**

- Appropriation/Expenditures provided: No
- Other appropriation issues: No

**OPTIONS:**

The legislature may wish to request the agency draft the performance measures to contain targets.



Version	Date	Author
5706-21-11-CW-1	12/5/07	Smith

Change Description
Added LFD Narrative, inserted agency goal.





GOVERNOR'S OFFICE OF  
BUDGET AND PROGRAM PLANNING

## Goals/Objectives

**Agency Contact:** Ann Bauchman | **Phone Number:** 444-6734 |  
**Agency Name:** Dept. of Natural Resources & Conservation |  
**Division:** Centralized Services |  
**Program (identify and briefly describe):** Provides managerial, administrative support, information, computer, legal, and personnel services to all divisions of the department. |

### **List a single goal and brief description:**

Move the Department towards an Enterprise and Integrated Geographical Information System (GIS) approach to data management. |

### **Describe the performance measures related to this goal:**

- Develop a detailed implementation plan
- Develop a roadmap for moving the existing infrastructure to an enterprise environment
- Establish a central infrastructure that eliminates duplication of hardware
- Develop a statewide license for GIS software, or a department-wide license to improve deployment efficiency.
- Streamline access to geographic information by providing an internal clearinghouse
- Increase the number of department GIS users taking advantage of new technology and State Library GIS
- Establish a department GIS training program |

### **List significant milestones and target dates to be completed in the 2009 Biennium:**

- Develop a detailed implementation plan
- Develop a roadmap for moving the existing infrastructure to an enterprise environment
- Establish a central infrastructure that eliminates duplication of hardware
- Develop a statewide license for GIS software, or a department-wide license to improve deployment efficiency. These milestones would be fully implemented in 2008.
- Streamline access to geographic information by providing an internal clearinghouse
- Increase the number of department GIS users taking advantage of new technology
- Establish a department GIS training program. These milestones will be fully implemented in 2009. |

### **Describe the current status of the measurements related to the goal:**

- Develop a detailed implementation plan: Work has begun on the detailed implementation plan. Preliminary plan will be complete in 2007.
- Develop a roadmap for moving the existing infrastructure to an enterprise environment: A full roadmap for migration of the current GIS infrastructure to an enterprise environment will be developed pending the completion of the needs assessment process. Though the roadmap will not be complete until the needs assessment and subsequent consolidation of functional requirements,

we have already begun planning based on an end product will be an RDBMS based storage structure for the major GIS data sets at DNRC. This will allow multi-user editing and access to ensure that the most current data is available to users across the agency and it will reduce redundancy in data development.

- Establish a central infrastructure that eliminates duplication of hardware: Through cooperation with ITSD, DNRC has invested in an enterprise spatial database infrastructure for hosting of the water rights database and associated spatial databases necessary for the adjudication of water rights. While the water rights data is the first to be hosted in this environment, additional key departmental GIS datasets will be migrated to this hosting structure, or linked to this hosting structure, pending the outcome of the departmental GIS needs assessment evaluation.
- Streamline access to geographic information by providing an internal clearinghouse: Pending the completion of the needs assessment process, the appropriate data to be stored in an internal clearinghouse will be determined. In general, the enterprise spatial database will offer a flexible data management system which will not only offer the ability for multiple users to edit spatial data set concurrently, but it will also provide the foundation for developing a GIS data clearinghouse.
- Increase the number of department GIS users taking, advantage of new technology: Develop a statewide license for GIS software, or a department-wide license to improve deployment efficiency.
- DNRC has worked with ESRI to develop the concept of departmental licensing which would provide more useful GIS technology to a greater number of departmental users at a price that is more cost effective for our needs. At the request of the state Geographic Information Officer (GIO), Robin Trenbeath, DNRC has suspended further departmental licensing inquisition while the state attempts to negotiate a statewide license for ESRI products. DNRC is gathering recommendations and quotes for hardware to provide for a distributed system for access to agency created GIS data. This will eliminate duplication of hardware, while providing better access to GIS data across the state.
- Establish a department GIS training program: The development of a departmental GIS training program is dependant upon the implementation of department-wide or state-wide licensing of software. An often overlooked component of GIS training is an effective software support structure. To that end we are in the process of developing a GIS web presence on the DNRC intranet which will provide a variety of support options -- access to GIS training course materials, internal GIS FAQ, external GIS software knowledge bases (such as the one hosted by the ESRI support team) -- as well as a location for posting planning documents related to the enterprise GIS environment for consumption by all DNRC employees.