

GIS STRATEGIC PLAN

For
LAKE COUNTY
March 2003

OVERVIEW

Lake County is in the South Central ORMAP Region along with Klamath County. Jim McClellan, from Klamath County, is the Regional Coordinator for this region.

Lake County uses the Oregon Department of Revenue's Cartographic Unit for maintenance of their assessment maps. The county completed ORMAP Goal 1, in April of 2002, when the DOR Cartographic Unit developed tiff images of all 699 maps. The Cartographic Unit updates these tiff images quarterly for the county.

Lake County plans to reach ORMAP Goal 3 in the rural areas and Goal 4 in the urban areas by January 1, 2006. Lake County plans on having the DOR Cartographic Unit do our digital map conversion by control point matching and resolution to existing record surveys and deed records. The Bureau of Land Management's, BLM Geographic Coordinate Data Base, GCDB control points will be used extensively, although additional control points for the more densely populated areas of Lake County will be required to obtain Goal 4 accuracy. DOR Cartography will continue to provide maintenance of the maps during and after the conversion.

Lake County plans to make GIS digital map data available by July 1, 2006 to the public for "view only" and creation of maps for requests by the public using the digitized Assessor's map data in conjunction with any other available digitized map layers from other agencies.

TIMELINE

Phase 1:

Lake County is submitting a grant request for ORMAP Regional and Discretionary funds to scan all survey records and deed records from 1950 to current. These digital records will be available to DOR Cartography for the conversion project and for future map maintenance work. This grant request also includes funding for additional GPS control points. This data and the GCDB data will provide the necessary information to achieve Goal 3/4 digital maps for Lake County.

Phase 1 will be completed by May 1, 2004.

Phase 1 Cost:

Survey Record Scanning	\$7,500
Deed Record Scanning	\$10,500
Additional GPS Control Point Monumentation	\$13,000
8 1/2" Deed Record Scanner	<u>\$800</u>

Total Phase 1 cost

\$31,800

The scanning projects and the GPS control point monumentation will begin when funding is available. The grant request will be for 100% funding of these projects except for \$500 participation by the Lake County Clerk for the document scanner.

Phase 2:

Lake County will submit a grant request for ORMAP discretionary funds in January of 2004 (spring ORMAP funding cycle) for the DOR Cartography conversion project to begin approximately July of 2004. That request will include purchase of a public “view only” work station, and two other work stations for Lake County Departments which will allow creation of additional map layers referenced to the Goal 3/4 Assessor’s digital maps. It will also include estimated cost for the required server and software to allow use of the Assessor’s maps to create the additional map layers and public access.

Lake County is currently incurring cost to update the County’s computer equipment, wiring for network system, and mainframe software. This effort will, in part, allow public access to the County GIS assessment maps and subsequently, additional map layers which will be created using the County Goal 3/4 GIS maps. Lake County’s cost for the computer and software update is approximately \$360,000, with completion by July 1, 2004. A grant request has been submitted to National Fire Plan (NFP) for phase 2 funding for \$40,000 in partnership with the Lakeview Oregon Department of Forestry’s grant request for an additional \$65,000 to NFP totaling \$105,000 for use in phase 2. The NFP grants, if successful, will include the purchase of the necessary GIS hardware, software and training for Lake County. DOR would participate with 50% of the conversion at \$150,000. Lake County is exploring additional financial participation and partnerships for this phase of the project. The balance of unfunded cost will be requested in a spring 2004 ORMAP grant application. The completion date for map conversion to Goal 3/4 and completion of Phase 2 is January 1, 2006.

Phase 2 Estimated Cost:

DOR Conversion achieving Goal 3	\$300,000
Public use PC for “view only”	\$800
Two work station PCs	\$6,400
Software for Public use PC (ArcIMS)	\$6,845
Software for 2 work station (ArcView 8.2)	\$2,460
Printer/plotter	\$5,400
Server equipment for GIS	\$5,000
Training: GIS Equipment & software use	<u>\$3,000</u>
Total Phase 2 Cost	\$329,905

Phase 3:

This phase will make the GIS digital map data available to the public as well as the ability for creation of maps for requests by the public using the digitized Assessor’s map data in conjunction with any other available digitized map layers from other agencies. This phase will also create additional Lake County Department map layers for Road

Network and right of way maps, Planning and Zoning maps, and Assessor's soil class maps.

The costs for phase 3 is yet to be determined, and grant funding will be sought, whether from ORMAP as may be appropriate for Assessor's soil class map creation, or other grant sources. Costs for training and staffing will be part of the necessary considerations. Phase 3 is estimated to be completed by January 1, 2008.

BENEFITS

Achieving Goal 3/4 digitized assessment maps will provide the South Central Region of ORMAP with seamless ties between Lake and Klamath County as well as adjacent Oregon counties. It will provide quality data for reference to other digital public map layers, such as the Rural Addressing project. Additional public benefit will be achieved by allowing the creation of additional Lake County map layers.

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