

NORTHWEST REGION
Clatsop County, Columbia County, and Tillamook County
ORMAP Regional Project Strategy
October 2002



REGIONAL STRATEGY TARGETS

Regional Objectives:

- Regionally integrated control construction – Summer 2003
- Consistent data set development and maintenance for county mapping - Spring 2006
- Engage regional partner in support of program – Ongoing
- Consortium to define mapping for economic development issues – Spring 2000

REGIONAL PROJECTS

Clatsop County: Clatsop County's GIS program is now in its fourth year of existence as an active provider of products and services. The primary focus of the County's GIS program remains the conversion of approximately 800 paper tax maps containing 30,700 tax lots to a digital format. This process is a cooperative effort between our Public Works, Survey Section and Assessment and Taxation cartographers. The conversion utilizes the survey record, field GPS work, government corner restorations and coordinate geometry to build the digital tax map. The County has contracted with the Oregon Department of Revenue (DOR) to assemble the tax maps by adding annotation and other features to produce tax maps that comply with DOR's standards. We anticipate finishing the conversion in 2003. Other activities include the acquisition and building of other data layers; distribution of GIS access and data to County departments; integration with the County's Oracle database; and the development of interactive GIS for the County's web site. Out budgeted amounts for the conversion and other GIS-related activities total approximately \$938,000 for the four-year period covering fiscal years 1998-2001.

Total Cost, Clatsop County = \$938,000

Columbia County: Two years ago, Columbia County completed a six square mile GIS Pilot project including control and seven data layers with tax parcel data layer and a GIS Program Implementation Plan. The County's Implementation Plan calls for phased digital tax parcel base map development using geodetic control and tax parcel map standards consistent with regional partners Clatsop County and Tillamook County as well as ORMAPP. In February of 2002 the County received an ORMAPP grant to expand the tax lot layer of the pilot to 5 more sections (phase 2) and fund training and purchase software for the County Cartographer to maintain the digital tax lot maps. The County anticipates completing the second phase expansion and to have maintenance procedures in place by December 2002. 80 of the County's 1060 maps will be completed (7.5%). Control for the remaining 980 tax parcel

maps, assuming an average of at least 2 points per map and \$500 per point survey costs, would require approximately \$980,000 for control. The conversion of the approximately 23,000 remaining tax parcels to digital GIS format at \$7 per parcel (currently with Department of Corrections) will cost an estimated \$161,000. Technical assistance and training to establish maintenance procedures as well as contract management and other administrative costs are expected to be approximately \$ 15,000 per year for the next two years (Total of \$30,000). The County plans to hire a GIS Specialist in FY 2004 to manage and maintain its growing GIS data base and application program from other revenue sources with an annual salary and benefit cost of \$42,000 (3 year cost is \$126,000).

Total Cost, Columbia County = \$1,297,000

Tillamook County: Tillamook County is actively involved in many GIS/Mapping projects including the conversion of the tax maps into thematic layers. In 1997, the County began exploring GIS technology and completed a needs assessment, pilot study and implementation plan. Based on the plan the County acquired a GIS Managing Coordinator FY1999 to oversee the implementation and organization a county GIS basemap. (estimated 3 year cost \$300,000) Several data layers gathered in the last eight years from the National Estuary Project, these layers include orthophotos, DEMs, DRGs, hydrology, estuary, administrative boundaries, road centerlines, zoning, and soils. The County tax lot map is an essential data layer in of itself as well as to use for rectifying future data with for improved accuracy. The County established a high accuracy resolution network (HARN). Presently, survey staff is gathering necessary survey control for a denser grid available to use for GIS mapping by establishing GPS control and densification in between. The Commissioners plan to hire survey staff FY 2002 to FY 2003 to gather GIS quality survey data (estimated project cost \$230,000). . The County contracts with the Department of Revenue to convert approximately 26,500 tax parcels to digital GIS format at \$9 per parcel (estimated project cost \$238,500). Tillamook County has received to date eight survey sections of tax parcel data comprising a majority of the City of Tillamook with an anticipated completion date of 2006. October 2002, Tillamook County contracted with the Department of Corrections to perform a pilot area of one township to explore the feasibility of changing conversion vendors. The cost per parcel will not change.

Total Cost, Tillamook County = \$768,500

Region Cost Summary

| County | Cost |
|-------------------|---------------------|
| Clatsop County | \$ 938,000 |
| Columbia County | \$ 1,297,000 |
| Tillamook County | \$ 768,500 |
| TOTAL COST | \$ 3,003,500 |

Partnerships/Matching Monies

Clatsop County None.

Columbia County None.

Tillamook County Tillamook County Assessors Office, Tillamook County Office of Information Services, Property Tax Program Grant, Tillamook County Community Development, Tillamook County Board of Commissioners, and Tillamook County Survey Office