

*ANNUAL PERFORMANCE PROGRESS REPORT*  
*PART I, MANAGING FOR RESULTS*

<b>Agency:</b> Department of Geology and Mineral Industries	
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The following questions shed light on how well performance measures and performance data are leveraged within your agency for process improvement and results-based management.	
1 How were staff and stakeholders involved in the development of the agency's performance measures?	<i>Senior and lead staff</i> were involved in focus group discussions to develop our Strategic Plan 2003-2009 that provides the basis for Performance Measures. Our <i>Governing Board</i> provided input on Strategic Plan and Budget development. <i>Stakeholders</i> participated through Outreach and Public Education venues. <i>Legislature</i> provided input during budget review and hearings.
2 How are performance measures used for management of the agency?	Review of Performance Measure outcomes directs agency decisions at all levels of management (Governing Board, Management Meetings, and Project Design).
3 What training has staff had in the use performance measurement?	Some key staff attended classes and have provided in-house training of new staff. Key staff have reviewed information provided by Progress Board via internet sites. Performance Measures and results are agenda items at Management Meetings.
4 How does the agency communicate performance results and for what purpose? (Please include your agency's URL for Performance Measures and this Annual Report)	Submission of Annual Report to Progress Board and Legislature. The Governing Board is briefed on results and provided with written report. Results become part of minutes from Management Meeting agenda that are available to all Staff. Beginning in 2004 the Annual Report and Performance Measures will be available on our website: <a href="http://www.oregongeology.com">http://www.oregongeology.com</a> .
5 What important changes have occurred in the past year?	We are defining preliminary quantitative performance measures for Public Education Section. We have begun to re-evaluate our formulations for PM #7&8 (Geologic Mapping) to enable us to report more accurate data values in future years.  Based on review from Legislature, we are compiling data for a Customer Service report that will be added to our Program II Performance Measures in 2004.

*ANNUAL PERFORMANCE PROGRESS REPORT*  
*PART II, KEY MEASURE ANALYSIS OF PROGRESS*

**Performance measure with number.**

PM#1. Percent of Oregon cities and towns that meet community preparedness standards for geologic natural hazards.

Data					Targets					
1999	2000	2001	2002	2003	2000	2001	2002	2003	2004	2005
30%	40%	45%	46%	47%	40%	45%	50%	53%	55%	60%

**To what goal or goals is this performance measure linked?**

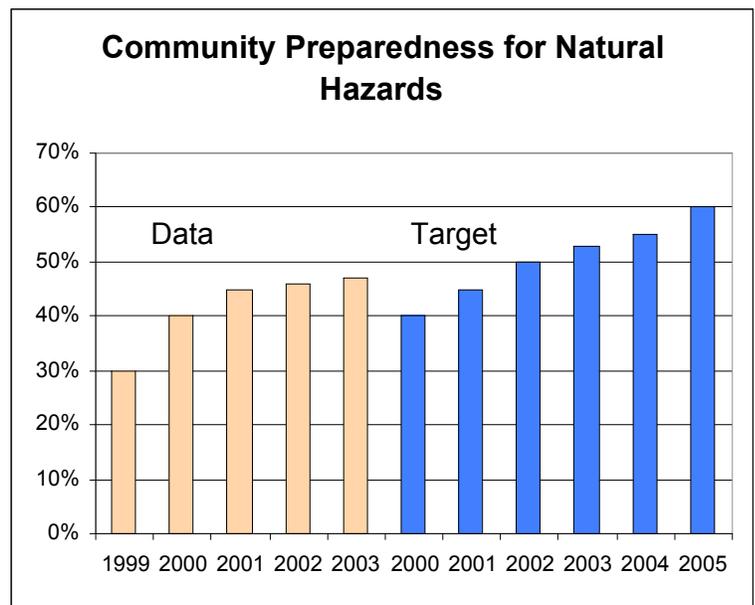
Goal 1. Reduce risk to Oregon communities from geologic natural hazards (linked to OBM 67 – Percentage of Oregon counties and communities with hazard data and mitigation plans in place).

**What does the performance measure demonstrate about the goal?**

Highlights percent of Oregon communities that have incorporated Agency data into plans to protect and mitigate against naturally occurring hazards.

**What do the data reveal?**

- Actual performance continues to show a positive trend but has fallen slightly short of targeted goals over the last two years.
- Budget shortfalls to the Agency and to local jurisdictions and the shift in focus toward Department of Homeland Security and human caused hazards have had unforeseen circumstances on achieving targeted goals set several years ago.
- Data for community preparedness are compiled by first determining which of three dominant geologic hazards (earthquake, landslide, tsunami) might affect that community. Then we determine which communities used our data for preparation of plans to mitigate the hazard or hazards.
- There are other geologic hazards that might affect Oregon communities and that are important subjects for characterization by DOGAMI (for example, volcanic eruptions) but are not included in these measures.
- Mitigation involves informed consideration by a wide range of stakeholders and professionals of hazard, risk costs, and options at a level appropriate to the risk.



**What is an example of a department activity related to the measure?**

Geohazards and Public Education Sections staff working with Clackamas County and communities in Clackamas County to provide data, risk assessments, damage evaluations, and public education and awareness from naturally occurring geologic hazards for use in the county's Hazard Mitigation Plan. The plan must meet federal mandated standards. The project was funded through grant writing to the county and through FEMA programs.

**What needs to be done as a result of your analysis?**

-Refine criteria parameters to include entities other than Oregon cities and counties. For example, Geohazards Section professional staff working with facilities staff from Oregon University System (OUS) to identify key buildings on university campuses vulnerable to earthquake damage, assessing the risk to the buildings, and providing data necessary to design mitigation strategies. Funding for this project procured through grant process with OUS.

-Redefine the target values for upcoming years based on new directions of hazard mitigation by communities.

-Confirm that primary reporting agencies for OBM 67b – Response and Recovery from Naturally Occurring Hazard Disasters – are reporting Agency involvement (for example, contributions to rewriting Mt. Hood Volcano Response Plan).

**What are the data sources?**

Federal, State, and local emergency preparedness agencies, land use agencies, natural resource agencies, and internal data accumulation.

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**Performance measure with number.**

PM#2. Percent of coastal communities with tsunami hazard maps and mitigation plans.

Data					Targets					
1999	2000	2001	2002	2003	2000	2001	2002	2003	2004	2005
65%	70%	75%	76%	77%	70%	75%	80%	85%	87%	90%

**To what goal or goals is this performance measure linked?**

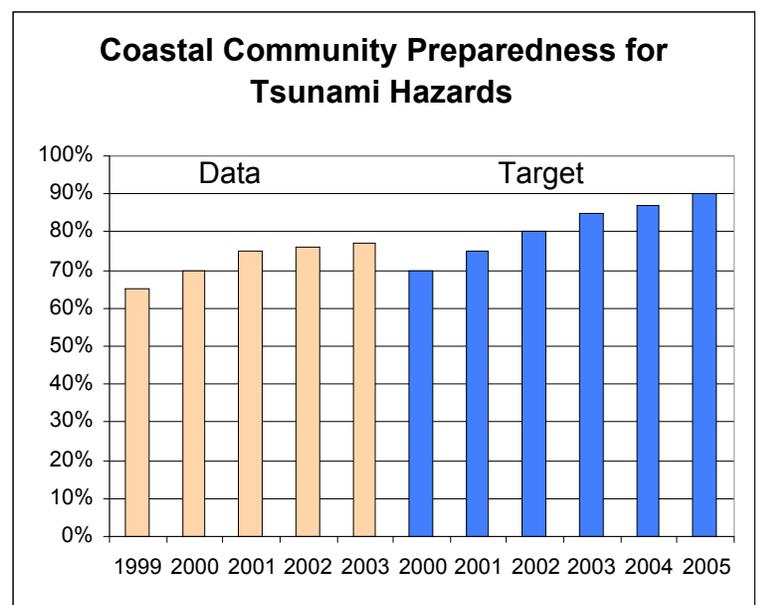
Goal 1. Reduce risk to Oregon communities from geologic natural hazards (linked to OBM 67 – Percentage of Oregon counties and communities with hazard data and mitigation plans in place).

**What does the performance measure demonstrate about the goal?**

Highlights percent of Oregon communities for which DOGAMI has produced regional or detailed hazard mapping and that have incorporated DOGAMI data into plans to protect and mitigate against tsunami hazards.

**What do the data reveal?**

- Actual performance shows modest positive trend but has fallen short of projected goals over the few years.
- Budget shortfalls in 2001-2003 resulted in loss of editor position and staff reassignment to other projects to accommodate fund shifts. These changes are reflected in fewer staff assigned to hazard projects and community education for mitigation efforts.
- Percent values represent an aggregated score of three ranking categories for a hazard: 1) General Study conducted by DOGAMI 2) Detailed Study conducted by DOGAMI and 3) Integration into Mitigation Plans.
- General Studies include regional hazard mapping for the whole coast and more detailed hazard mapping in priority communities and parks.
- Risk reduction includes but is not limited to influence on enactment of policies on construction and targeted public education, delineation and signing of evacuation routes, installation of general education signs, and institution of drills and curricula in schools.



**What is an example of a department activity related to the measure?**

Coastal Section and Public Education Section staff working with staff of the Office of Emergency Management and coastal communities to prepare brochures explaining tsunami evacuation procedures and outlining evacuation routes. The brochures are available for distribution by public officials and businesses. Funding for the project is through competitive grants to the Tsunami Hazards Program of NOAA.

**What needs to be done as a result of your analysis?**

- Explore avenues for acquiring funding, including General Funds, for editor responsibilities, thus allowing more staff time devoted to tsunami hazard projects and distribution of educational materials.

**What is the data source?**

Federal, State, and local emergency preparedness agencies, land use agencies, natural resource agencies, internal data accumulation.

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*PART II, KEY MEASURE ANALYSIS OF PROGRESS*

**Performance measure with number.**

PM#3. Percent target communities with landslide and/or coastal erosion hazard maps and mitigation plans.

Data					Targets					
1999	2000	2001	2002	2003	2000	2001	2002	2003	2004	2005
35%	42%	50%	60%	72%	45%	50%	55%	60%	70%	75%

**To what goal or goals is this performance measure linked?**

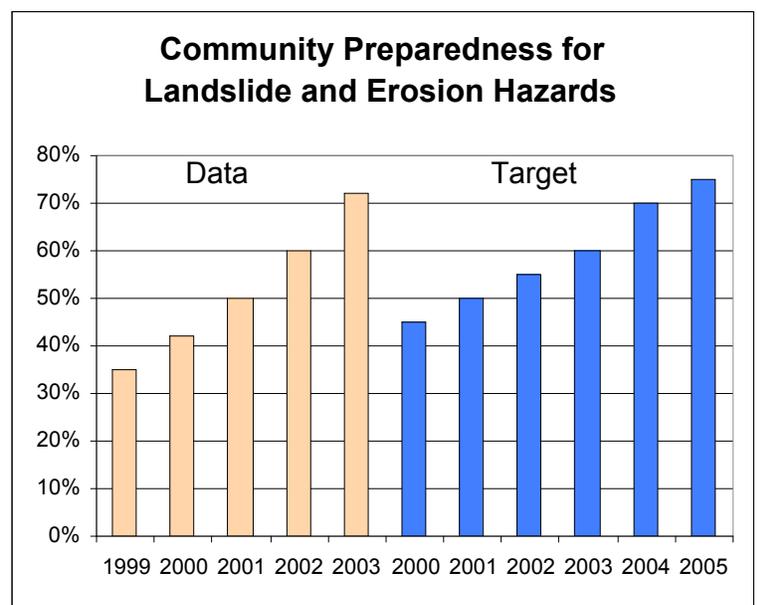
Goal 1. Reduce risk to Oregon communities from geologic natural hazards (linked to OBM 67 – Percentage of Oregon counties and communities with hazard data and mitigation plans in place).

**What does the performance measure demonstrate about the goal?**

Highlights number of Oregon communities that have incorporated Agency data into plans to protect and mitigate against landslide and coastal erosion hazards.

**What do the data reveal?**

- The trend is an increase in production of maps and use of information by communities resulting in the actual performance exceeding targeted goals in 2003.
- In 2003 data and maps were released that completed part of a multi-year project. This information was distributed in a variety of formats to cities and communities and has been incorporated into some community hazard plans.
- Percent values represent an aggregated score of three ranking categories for a hazard: 1) General Study conducted by DOGAMI 2) Detailed Study conducted by DOGAMI and 3) Integration into Mitigation Plans.
- General studies are hazard mapping conducted on a regional scale and detailed studies are conducted on a community scale.
- Risk reduction includes but is not limited to influence on enactment of policies on construction and targeted public education, delineation and signing of evacuation routes, installation of general education signs, and institution of drills and curricula in schools.



**What is an example of a department activity related to the measure?**

Geohazards Section and Public Education Section produced a spatial model to indicate areas prone to rapidly moving landslide hazards through funding by legislative mandate. During the introduction of the publication IMS-22, several workshops were sponsored by the Public Education Section of DOGAMI to brief cities and counties as to the data and to receive feedback as to its usefulness. The entire project is not complete but personnel fund shifts will restrict further work on the project.

**What needs to be done as a result of your analysis?**

- Continue to pursue legislative funding to complete data collection and modeling.
- Develop partnerships with areas that have a high potential for landslide hazard to fund detailed mapping and modeling.
- Develop partnerships with other state agencies and federal agencies and affected areas to fund detailed mapping and assessments of coastal erosion hazards.

**What is the data source?**

Federal, State, and local emergency preparedness agencies, land use agencies, natural resource agencies, internal data accumulation.

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**Performance measure with number.**

PM#4. Percent of communities with ground response maps and mitigation plans for earthquake hazards.

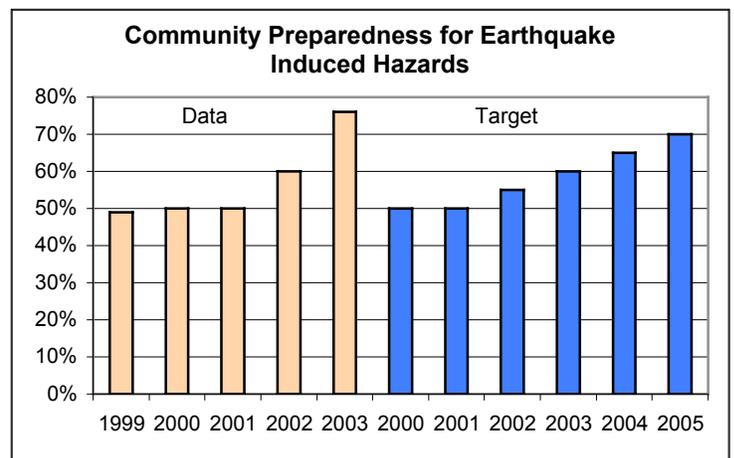
Data					Targets					
1999	2000	2001	2002	2003	2000	2001	2002	2003	2004	2005
49%	50%	50%	60%	76%	50%	50%	55%	60%	65%	70%

**To what goal or goals is this performance measure linked?**

Goal 1. Reduce risk to Oregon communities from geologic natural hazards (linked to OBM 67 – Percentage of Oregon counties and communities with hazard data and mitigation plans in place).

**What does the performance measure demonstrate about the goal?**

Highlights number of Oregon communities that have incorporated Agency data into plans to protect and mitigate against earthquake induced hazards.



**What do the data reveal?**

- Actual performance is slightly ahead of targets set several years ago.
- Percent values represent an aggregated score of three ranking categories for a hazard: 1) General Study conducted by DOGAMI 2) Detailed Study conducted by DOGAMI and 3) Integration into Mitigation Plans.
- General studies are hazard mapping conducted on a regional scale and detailed studies are conducted on a community scale.
- Risk reduction includes but is not limited to influence on enactment of policies on construction and targeted public education, delineation and signing of evacuation routes, installation of general education signs, and institution of drills and curricula in schools.

**What is an example of a department activity related to the measure?**

Geohazards Section professional staff working with facilities staff from Oregon University System (OUS) to identify key buildings on university campuses vulnerable to earthquake damage, assessing the risk to the buildings, and providing data necessary to design mitigation strategies. Funding for this project procured through grant process with OUS.

**What needs to be done as a result of your analysis?**

- Discuss target values for PM with Governing Board, staff, and Progress Board.
- Continue to pursue legislative funding to complete data collection and modeling.
- Develop partnerships with areas that have a high potential for earthquake damage to fund assessments and mitigation strategies.

**What is the data source?**

Federal, State, and local emergency preparedness agencies, land use agencies, natural resource agencies, internal data accumulation.

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**Performance measure with number.**

PM#5. Public Awareness of Geologic Hazards and Mitigation Efforts.

Draft PM - See Discussion Below									
Data					Targets				
				2003	2003				
				75%	100%				

**To what goal or goals is this performance measure linked?**

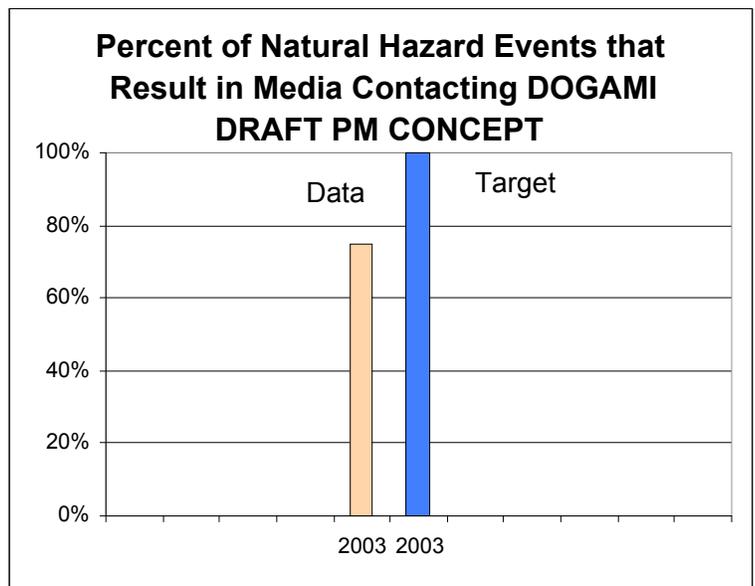
Goal 2. Improve public awareness of geologic hazards and educate communities on mitigation.

**What does the performance measure demonstrate about the goal?**

The effectiveness of our stakeholder public education program regarding geologic natural hazards and mitigation efforts.

**What do the data reveal?**

- We have not achieved our ultimate target of being the recognized official state outlet for geologic hazard information during hazardous events.
- We are hampered in our efforts to produce and disseminate geologic hazard information by budget cuts (for example, losing the editor position, fewer staff to conduct workshops) and shifts in staff priorities due to funding requirements.
- Effectiveness of Public Education Program was measured previously through random public opinion polls (canceled for cost savings) and as a narrative discussion (1999-2001 and 2001-2003 biennium). *We are in the process of revising the entire Performance Measure for the 2004 reporting schedule and are considering the data submitted in this report. This is in response to directives given during 2003 Ways and Means Subcommittee Hearings.*



**What is an example of a department activity related to the measure?**

Complete, edit, and publish geologic hazard reports and maps that are necessary for informed land use decisions and the health and welfare of Oregonians. Conduct workshops targeted to the local government users to introduce the information.

**What needs to be done as a result of your analysis?**

- Work with Governing Board, staff, and Performance Board to revise evaluation criteria for Performance Measure.
- Work with Governing Board and staff to determine funding sources and strategies, including General Fund, to increase the effectiveness of our public education program about geologic hazards.

**What is the data source?**

Internal data accumulation recording the occurrences of natural hazard events such as earthquakes, landslides, etc. or release of new department publications about hazards that result in media contacting DOGAMI.

Media contact rate is 75%.– DRAFT PM CONCEPT.

<i>Date</i>	<i>Event</i>	<i>Media contact</i>
7-1-2002	Earthquake on Mt. Hood	Yes
Fall 2002	Bulge at Sisters Volcano	No
Fall 2002	Tsunami Warning posted	No
1-15-2003	Earthquake swarm offshore	Yes
1-31-2003	Debris flow advisory issued	Yes
4-14-2003	Kelley Point earthquake swarm begins	Yes
<i>Date</i>	<i>Publications</i>	<i>Media contact</i>
11-13-2002	Landslide Loss Estimation for Oregon	Yes
03-11-2003	IMS-22 - overview map of rapidly moving	Yes

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**Performance measure with number.**

PM6a. Percent mined acres returned to secondary environmentally compatible beneficial use.

Data					Targets					
1999	2000	2001	2002	2003	2000	2001	2002	2003	2004	2005
%	20%	21%	22%	25%	20%	21%	23%	25%	25%	25%

**To what goal or goals is this performance measure linked?**

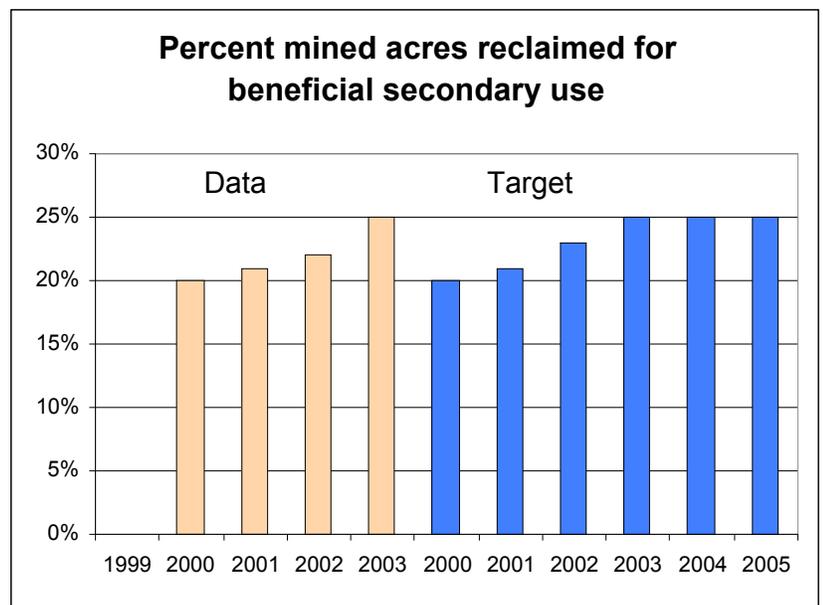
Goal 3 (Management of mineral and energy resources).

**What does the performance measure demonstrate about the goal?**

Tracks the amount of mined land that is no longer active and has been reclaimed for beneficial secondary use as compared to all disturbed mined land, both active and inactive.

**What do the data reveal?**

- Performance tracking well with target.
- The values calculated include all final reclamation and all concurrent reclamation for mining related activities and mineral exploration.
- Acres reclaimed depend on industry activity and rate of reclamation, so the trend could reverse direction.
- Inactive mined land will always be a relatively small percentage of all disturbed mined land if industry is active and healthy. Reaching the target indicates reclamation activity is maximized but does not indicate that the work is no longer required.



**What is an example of a department activity related to the measure?**

The Agency in cooperation with a consortium of public and private entities has initiated a multi-year restoration project on the Rogue River in southern Oregon. Responsibility for reclamation is complicated by sites that were abandoned and other sites not covered by present-day reclamation legislation. By involving all stakeholders, both those responsible and those who will be impacted, in the decision-making processes results in a better understanding between parties and work can be achieved. Funding for this reclamation project came from a variety of sources including state agencies, local jurisdictions, and industry.

**What needs to be done as a result of your analysis?**

- The Agency will be providing a new Performance Measure tracking customer satisfaction with our permitting process and site responses. This will be available during the next budget cycle.
- We continue to increase the accuracy of the amount of land disturbed and reclaimed due to improved remote access data collection. This will allow us to better track the industry process and our response.
- The Performance Measure does not take in consideration variations or trends in different types of mined or reclaimed permits. We will evaluate the premise of this PM during management and Governing Board meetings.

**What is the data source?**

Internal data accumulation, input from industry and public. Note: total amounts of mined and reclaimed land varies annually with industry activity and practices.

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**Performance measure with number.**

PM#6b. Active mining acres under regulation and review and/or secured financially

Data					Targets					
1999	2000	2001	2002	2003	2000	2001	2002	2003	2004	2005
6300	15200	17200	19800	20200	15000	17000	17000	17000	17000	18000

**To what goal or goals is this performance measure linked?**

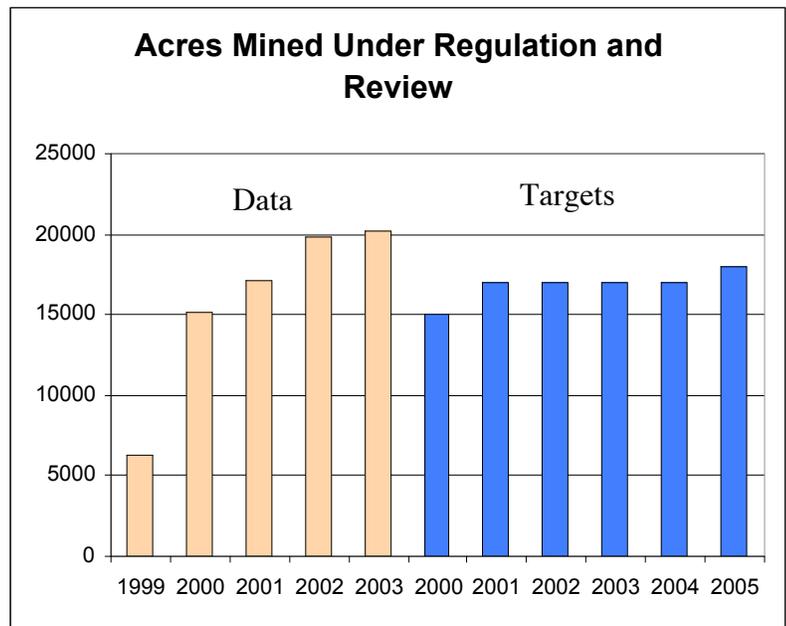
Goal 3 (Management of mineral and energy resources).

**What does the performance measure demonstrate about the goal?**

Records the amount of mined land presently in production and under regulation by the agency. Demonstrates how the market is operating and the extent of our management responsibilities.

**What do the data reveal?**

- Actual data show that the market has begun to increase beyond projected stabilization amounts.
- Most variances between actual data and target are due to annual variances in industry production. Acres are rounded to nearest thousand.
- Acres shown are being actively mined; financial security is variable depending on provisions of the law. The best and most reliable security is provided by field monitoring conducted by our staff, cooperating agencies, and the public.
- The number of acres indicated is for all hard mineral commodities (metals, industrial, sand and gravel). This excludes oil, gas, and geothermal sites from data.
- Large change between 1999 and 2000 was the result of improved remote sensing data collection that lead to more accurate data analysis and compilation.



**What is an example of a department activity related to the measure?**

Our professional staff of Surface Mined Land Reclamationists and Hydrologists work closely with industry to monitor procedures of mineral commodity extraction and reclamation for best practices to ensure environmental health and sustainable land use. By developing an atmosphere

of mutual trust and common goals between government and industry we can achieve reliable resource management.

**What needs to be done as a result of your analysis?**

Agency plans an internal review of this Performance Measure to determine if there is a more informative venue for evaluating this Program II Goal.

The increase in regulated land results in an increase in the need for field presence by Program II staff. Legislatively mandated fee increases in 2003 were designed to allow additional staff to relieve the staffing shortfall but fell short of total staff costs due to increases in benefits and costs to the program. Agency will work with Governing Board and stakeholders to address this issue in the next biennium.

**What is the data source?**

Internal data accumulation, input from industry and public. Note: total amounts of mined and reclaimed land varies annually with industry activity and practices.

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**Performance measure with number.**

PM#7. Percent of Oregon where geologic data in the form of high resolution maps have been published to be used for local problem solving.

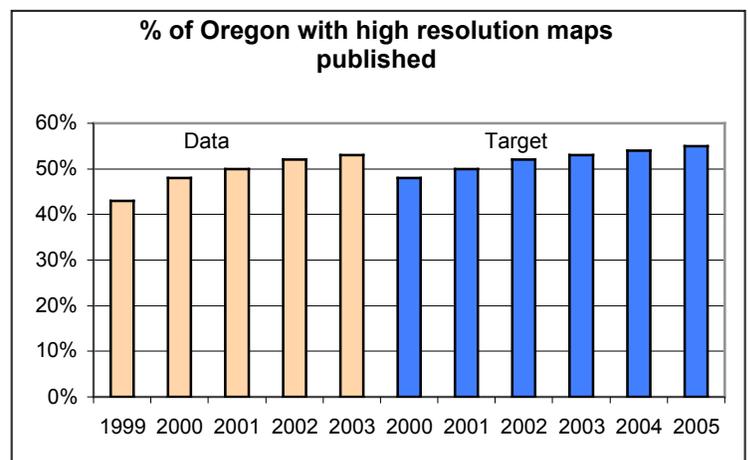
Data					Targets					
1999	2000	2001	2002	2003	2000	2001	2002	2003	2004	2005
43	48	50	52	53	48	50	52	53	54	55

**To what goal or goals is this performance measure linked?**

Goal 4. Create and compile geologic data needed in natural resource and land use problem solving.

**What does the performance measure demonstrate about the goal?**

Indicates overall progress toward having complete map coverage for problem solving at a local level in needed areas. Includes both our output of data and data from other sources that we coordinate.



**What do the data reveal?**

- Maps are funded with Federal or Other funds that require competitive grant writing, so as funding levels fluctuate our output does as well. Mapping priorities are chosen by an advisory group, which may select maps that are not urban or peri-urban high priority areas in response to resource issues like Klamath Basin water shortages.
- Maps of this type are useful for local hazards or resource evaluation but are not site-specific.
- Baseline for data accumulation stems from 1998 effort to define statewide mapping needs in concert with OGMAC (Oregon Geologic Mapping Advisory Committee). This defined map tiers based on population density, proximity to UGB's, and density of mineral resource prospects.
- Mapping strategies are reviewed annually by an OGMAC whose members represent major stakeholders.

**What is an example of a department activity related to the measure?**

Recent preliminary geologic mapping conducted at 1:24,000 scale of the Eugene-Springfield urban area. These maps, funded through the U.S. Geological Survey STATEMAP Program and matching General Funds, are important to local planners and developers to identify problems or potential natural resources, such as the possible sources of arsenic in well water.

### **What needs to be done as a result of your analysis?**

- Review baseline for data comparison and revise criteria for data accumulation to include out-of-date publications that have been prepared for new release as digital products. Evaluate how to modify the PM as stated now to incorporate Tiered mapping strategies used by Mapping and Industrial Minerals Section and not reflected in the PM as reported over past years. Also evaluate how to incorporate non Tier 1 or Tier 2 24k quadrangles mapped as part of PM #8 products, which are not now explicitly counted but represent up to 50% of agency map output in most years.
- Work to secure permanent General Funds that allow partnering with the U.S. Geological Survey STATEMAP Program to ensure completion of this work. Current target rates based on past funding levels show Tier 1 maps 100% complete by 2025, and Tier 2 maps 50% complete by 2025.

### **What is the data source?**

Internal data accumulation.

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**Performance measure with number.**

PM#8. Percent medium resolution (1:100,000 scale) digital maps completed to be used for regional problem solving.

Data					Targets					
1999	2000	2001	2002	2003	2000	2001	2002	2003	2004	2005
6	7	7	7	8	7	8	8	9	9	10

**To what goal or goals is this performance measure linked?**

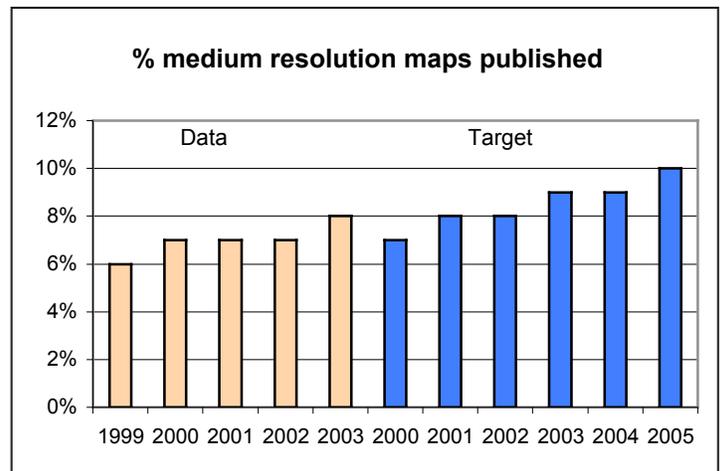
Goal 4. Create and compile geologic data needed in natural resource and land use problem solving.

**What does the performance measure demonstrate about the goal?**

Indicates our output of data to be used for problem solving at a regional level.

**What do the data reveal?**

- Our actual performance is tracking just behind targeted outcomes. Maps are funded with Federal or Other funds that require competitive grant writing, so funding levels fluctuate.
- Medium resolution geologic mapping projects are generally 3 to 5 years in duration and require staffing support from Mapping and Public Education sections.
- Maps of this type are useful for regional natural resource problem solving such as that associated with watershed health or the Oregon Plan.
- Baseline for data accumulation stems from 1998 effort to define statewide mapping needs in concert with OGMAC (Oregon Geologic Mapping Advisory Committee). These defined map tiers based on population density, proximity to Urban Growth Boundaries, and density of mineral resource prospects.
- Data accumulation consists of counting the area of the state covered by digital 1:100,000 scale maps.
- Targets up to 2003 were based on a goal of 50% completion by 2025. Targets beyond 2003 reflect new program to compile the entire state in digital 1:100,000 maps in 6 years using Federal funds, Agency General Funds and OGIC framework funding.



-Mapping strategies are reviewed annually by OGMAC whose members represent major stakeholders.

**What is an example of a department activity related to the measure?**

Recent geologic compilation and new mapping conducted at 1:100,000 scale of the Umatilla Basin area. This map, funded through the U.S. Geological Survey STATEMAP Program and matching General Funds, is important to regional land use and natural resource issues such as the development of a groundwater model for the basin and the location of aggregate resources.

**What needs to be done as a result of your analysis?**

- Review baseline for data comparison and revise criteria for data accumulation to include out-of-date publications that have been prepared for new release as digital products.
- Evaluation of PM and targets to reflect more accurate mode of calculating output and new mapping goals.
- Work to secure permanent General Funds that allow partnering with the U.S. Geological Survey STATEMAP Program to ensure completion of this work.

**What is the data source?**

Internal data accumulation.

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**Performance measure with number.**

PM#9. Regional resource assessments completed.

Data					Targets					
1999	2000	2001	2002	2003	2000	2001	2002	2003	2004	2005
20-90%	20-90%	22-90%	22-90%	22-90%	20-75%	22-75%	23-75%	23-75%	25-80%	25-80%

**To what goal or goals is this performance measure linked?**

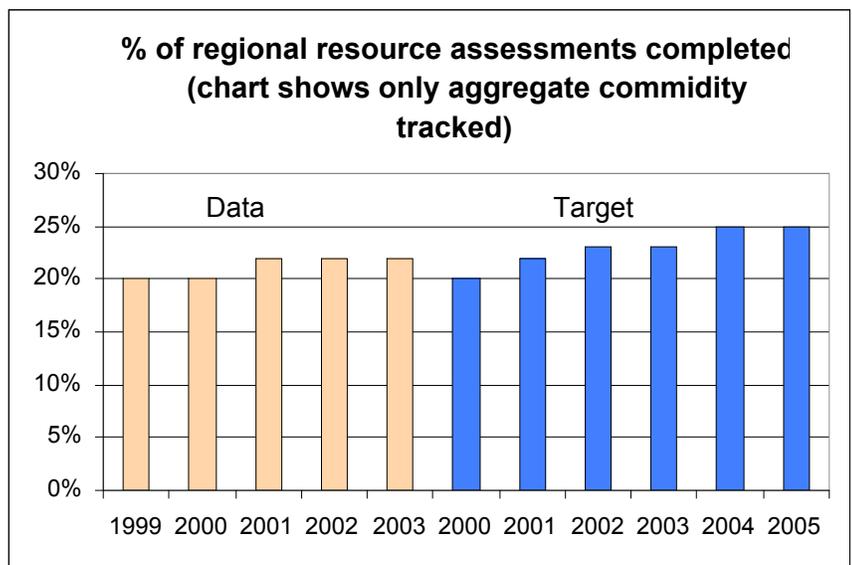
Goal 4. Create and compile geologic data needed in natural resource and land use problem solving.

**What does the performance measure demonstrate about the goal?**

Indicates completion of data available for use by major stakeholders for resource assessment.

**What do the data reveal?**

- Our actual performance is tracking with targeted goals.
- No major variance issues.
- Current emphasis is on assessment of aggregate resources in northwestern Oregon and on selected geology studies in support of state ground water programs in cooperation with Oregon Dept. of Water Resources. Emphasis is set from current strategic plans and statewide focus.
- General funding to maintain and update mineral resource databases has been reduced during budget cuts. Staff dedicated to this activity seeks Federal and Other Funds to keep information current and performance varies with funding availability.



**What is an example of a department activity related to the measure?**

Maintenance and updating of Mineral and Industrial Lands of Oregon (MILO) database, conversion to spatial database format, revisions compiled for National Natural Resources Database (U.S. Geological Survey) .

**What needs to be done as a result of your analysis?**

- Re-evaluate strategic plan emphasis for work in 2004-2006.

-Determine funding streams for completing GIS Layer and Metallic Resource Assessments.

**What is the data source?**

Federal, State, and local natural resource databases.

2001 – 2003 Performance Measure Calculations

<b>COMMODITY</b>	<b>% OF NEED MET</b>
<b>METALLIC MINERALS</b>	<b>75</b>
<b>STATEWIDE GIS MINERAL LAYER</b>	<b>80</b>
<b>INDUSTRIAL MINERALS</b>	<b>50</b>
<b>AGGREGATE STUDIES</b>	<b>20</b>
<b>OIL AND GAS</b>	<b>90</b>
<b>GEOHERMAL</b>	<b>75</b>
<b>GEOHYDROLOGY</b>	<b>10</b>
<b>AVERAGE PERCENT</b>	<b>57</b>

\*\*\*\*\*Geohydrology is 10%, not the 20% we have in the summary\*\*\*\*\*

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**Performance measure with number.**

PM#10. Local government land use management and resource assessment plans that are based on appropriate geologic data.

<b>See Discussion Below</b>										

**To what goal or goals is this performance measure linked?**

Goal 5 – Increase stakeholder awareness of geologic map input into problem solving for resource assessment and land use management.

**What does the performance measure demonstrate about the goal?**

*Performance measure is being designed at this time.*

**What is an example of a department activity related to the measure?**

Agency Public Education and Mapping Sections hold informational and technology transfer workshops for stakeholders including representatives of local governments at the completion of major map compilation projects. No workshops were held during this reporting timeframe due to budget constraints.

**What needs to be done as a result of your analysis?**

- Work with Dept. of Land Conservation and Development and Office of Emergency Management to count number of local governments that included geologic data in their approved comprehensive plans and mitigation plans.
- Work with Governing Board and staff to determine funding sources and strategies, including General Fund, to increase our effectiveness of public education about geologic hazards.

**What is the data source?**

DEVELOPMENTAL