

# OREGON DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES

## Annual Performance Progress Report (APPR) for Fiscal Year 2008-09

2009-11 Budget Form 107BF04c

To obtain additional copies of this report, contact Oregon Department of Geology & Mineral Industries at (971)-673-1555, Suite 965, 800 NE Oregon Street, Portland, OR 97232, or at [www.oregongeology.org](http://www.oregongeology.org), or visit [http://www.oregon.gov/DAS/OPB/GOVresults.shtml#Annual\\_Performance\\_Reports](http://www.oregon.gov/DAS/OPB/GOVresults.shtml#Annual_Performance_Reports).

### Agency Mission

Provide earth science information and regulation to make Oregon safe and prosperous.

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# ABOUT THIS REPORT

## Purpose of Report

The purpose of this report is to summarize the agency's performance for the reporting period, how performance data are used and to analyze agency performance for each key performance measure legislatively approved for the 2007-09 biennium. The intended audience includes agency managers, legislators, fiscal and budget analysts and interested citizens.

1. PART I: EXECUTIVE SUMMARY defines the scope of work addressed by this report and summarizes agency progress, challenges and resources used.
2. PART II: USING PERFORMANCE DATA identifies who was included in the agency's performance measure development process and how the agency is managing for results, training staff and communicating performance data.
3. PART III: KEY MEASURE ANALYSIS analyzes agency progress in achieving each performance measure target and any corrective action that will be taken. This section, the bulk of the report, shows performance data in table and chart form.

## KPM = Key Performance Measure

The acronym "KPM" is used throughout to indicate **Key Performance Measures. Key performance measures are those highest-level, most outcome-oriented performance measures that are used to report externally to the legislature and interested citizens. Key performance measures communicate in quantitative terms how well the agency is achieving its mission and goals. Agencies may have additional, more detailed measures for internal management.**

## Consistency of Measures and Methods

Unless noted otherwise, performance measures and their method of measurement are consistent for all time periods reported.

# TABLE OF MEASURES

Agency Mission: Produce and use geologic information to promote the health, safety, and welfare of Oregonians.

2005-07 KPM#	2007-09 Key Performance Measures (KPMs)	Page #
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Agency Mission: Produce and use geologic information to promote the health, safety, and welfare of Oregonians

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## 1. SCOPE OF REPORT

- Program 1, Geological Survey & Services, progress is measured by KPM 1, 2, 3, 4, 6, 7, 9 and 10. Certain projects and activities not captured by the KPM, such as geothermal resource assessment for DOE, digital flood insurance rate map re-delineation for FEMA and DLCD, and LIDAR data acquisition and quality control for BLM, USFS, USGS, FEMA, EPA, USACE, NRCS, BOR, USFWS, ODOT, ODF, OPRD, DLCD & Lincoln, Clackamas, Washington, Lane, Polk, Marion, Linn, Benton, and Malheur Counties, & the Cities of Eugene, Salem, Lincoln City, Springfield, Medford, Philomath, Yachats, and Turner & the Tribes of the Coquille and Siletz.
- Program 2, Mined Land Regulation & Reclamation, activity and progress is measured by KPM 4, 5, 8 and 10.

## 2. THE OREGON CONTEXT

The Agency provides services relating to life & property safety and towards sustainable natural resource utilization, including rural economic development. We partner extensively with federal agencies, state agencies, counties and cities. KPM 1, 2, 3, 8 and 9 link to the results measured by Oregon Benchmark 67a (Emergency Preparedness – Geologic Hazards).

## 3. PERFORMANCE SUMMARY

KPM Progress Summary	Key Performance Measures (KPMs) with Page References	# of KPMs
KPM MAKING PROGRESS at or trending toward target achievement	Earthquake and Landslide Map Completion (KPM 1), Tsunami Evacuation Brochure Completion (KPM 2), Coastal Erosion Map Completion (KPM 3), Reclamation (KPM 5), Detailed Geologic Map Completion (KPM 6), Regional Geologic Map Completion (KPM 7), Mine Sites Inspected Annually (KPM 8), Tsunami Inundation Map Completion (KPM 9), Customer Service (KPM 11), and Best Practices Governance (KPM 11)	10
KPM NOT MAKING PROGRESS not at or trending toward target achievement		0
KPM - PROGRESS UNCLEAR target not yet set	Hazard Awareness (KPM 4) [This KPM shall be deleted and replaced by new KPM 12 in 2009-10]	1
Total Number of Key Performance Measures (KPM)		11

## 4. CHALLENGES

The Geologic Survey and Services program has a constant challenge to source, sign and execute fee for hazard assessment service contracts from federal, and state agencies and communities with similar vested interests.

## 5. RESOURCES USED AND EFFICIENCY

The agency utilized \$1697,715 in General Funds, \$1,223,403 in Lottery Funds, \$3,803,818 in Other Funds, and \$1,073,990 in Federal Funds during '08-'09.

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**The following questions indicate how performance measures and data are used for management and accountability purposes.**

<p><b>1 INCLUSIVITY</b> Describe the involvement of the following groups in the development of the agency's performance measures.</p>	<ul style="list-style-type: none"> <li>• Staff: Semi-annual to quarterly discussions with section leaders &amp; project staff.</li> <li>• Elected Officials: The Joint Natural Resources Sub-Committee reviewed, discussed and approved the KPM in 2005; targets were modified by the Legislature in 2007 and again in 2009.</li> <li>• Stakeholders: Input has been sought and received from coastal communities, OSSPAC, OCAPA and key federal and state natural resource and emergency management agencies.</li> <li>• Citizens: The five-person Governing Board, selected from different geographic areas of Oregon, reviews and approves proposed and modified KPM.</li> </ul>
<p><b>2 MANAGING FOR RESULTS</b> How are performance measures used for management of the agency? What changes have been made in the past year?</p>	<p>The KPM are directly used to measure program and project progress. Results and Measure targets impact project selection and focus fund solicitation efforts. KPM are a frequent discussion item at monthly management meetings. Nine of the ten KPM have been revised in recent biennia.</p>
<p><b>3 STAFF TRAINING</b> What training has staff had in the past year on the practical value and use of performance measures?</p>	<p>The Statewide Mapping &amp; Minerals, GeoHazards, Technical Services and Coastal sections have had KPM briefings on content, objectives, targets, measurement criteria, standards and results of their assigned KPM. These KPM are a driving influence used to craft Statements of Work for the Agency's numerous contracts for services.</p>
<p><b>4 COMMUNICATING RESULTS</b> How does the agency communicate performance results to each of the following audiences and for what purpose?</p>	<ul style="list-style-type: none"> <li>• Staff: KPM relative progress is a component of performance expectations and appraisal.</li> <li>• Elected Officials: The annual report is available online at the Agency and Progress Board websites.</li> <li>• Stakeholders: KPM objectives and targets manifest themselves within contract Statements of Work.</li> <li>• Citizens: The general public is briefed during Governing Board meetings when KPM are on the agenda; KPM are described and results reported on at numerous public presentations that Agency staff present regarding geologic hazards in order to increase awareness and facilitate personal accountability towards mitigation.</li> </ul>

Agency Mission: Produce and use geologic information to promote the health, safety, and welfare of Oregonians.

KPM #1	EARTHQUAKE AND LANDSLIDE MAP COMPLETION % of communities and other stakeholders with hazard maps and risk studies for earthquake & landslide hazards.	Measure since: 2005
<b>Goal</b>	LIFE & PROPERTY SAFETY: Agency Goal #1 Reduce risk to Oregonians from naturally occurring hazardous events.	
<b>Oregon Context</b>	OBM 67a: Community Preparedness For Natural Hazards.	
<b>Data source</b>	Department records.	
<b>Owner</b>	Geologic Hazard & Technical Services Sections; contact Don Lewis, 971-673-1555, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

**1. OUR STRATEGY**

Provide earthquake-related & landslide hazard maps for populated areas and key infrastructure areas of Oregon; reduce risk to loss of life and property. We partner with USGS, FEMA, OEM, and numerous Oregon counties & cities.

**2. ABOUT THE TARGETS**

The targeted area of Oregon constitutes 17,610 square miles.

**3. HOW WE ARE DOING**

Through 2008-09 the department has produced earthquake-induced landslide, ground motion amplification and liquefaction hazard maps for 62,162 square miles of Oregon, including **9,884** square miles of inhabited area (**56%**).

Through 2008-09 the department has produced new LIDAR-based detailed landslide inventory and hazard maps for 328 square miles overall including **313** square miles of inhabited area (**2%**). The combined degree of map completion is thereby **29%**. As a result, the trend has moved ahead of target.

**4. HOW WE COMPARE**

No comparable data for similar jurisdictions available at this time.

**5. FACTORS AFFECTING RESULTS**

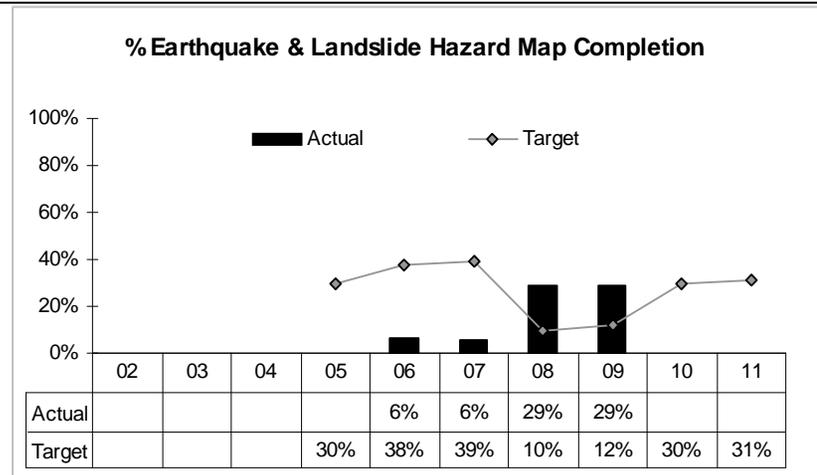
The Legislature provided \$1.5 million in Lottery Funds during 2007-09 to initiate LIDAR-based landslide hazard analysis in Western Oregon. The Agency used this to leverage an additional \$3.1 million of other funds to accelerate the landslide, tsunami and coastal change hazard assessment programs. This \$4.6 million of LIDAR data will cover **40%** of Oregon’s targeted inhabited area. Having this data will provide the opportunity to radically improve the quality and precision of hazard identification, measurement and assessment in these areas. This program continues to grow in 2009-11.

**6. WHAT NEEDS TO BE DONE**

The Agency is initiating landslide hazard assessment funding partnerships with federal and state agencies and with various Cities and Counties in northwest and southwest Oregon.

**7. ABOUT THE DATA**

The target area matches the methodology utilized and more fully described in KPM 6. The actual score reported for KPM 1 is the simple average of the two sub-measures.



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KPM #2	TSUNAMI EVACUATION MAP COMPLETION % target communities with official, reviewed evacuation map brochures produced by DOGAMI.	Measure since: 2005
<b>Goal</b>	LIFE & PROPERTY SAFETY: Agency Goal #1 Reduce risk to Oregonians from naturally occurring geologic hazardous events.	
<b>Oregon Context</b>	OBM 67a: Community Preparedness For Natural Hazards.	
<b>Data source</b>	Department records.	
<b>Owner</b>	Coastal Section; contact Don Lewis, 971-673-1555, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

**1. OUR STRATEGY**

Eliminate the future loss of life of Oregonians and visitors to the Oregon Coast by working with local city officials, county emergency managers and other state & federal agencies to effectively increase awareness, personal accountability and positive action. NOAA’s National Weather Service is a lead sponsor and OEM is a key partner.

**2. ABOUT THE TARGETS**

There are 39 identified at-risk communities along the Coast, including all incorporated cities representing a 2003 population of 109,624. Note that these targets do not include unincorporated areas at risk.

**3. HOW WE ARE DOING**

Tsunami evacuation brochures have been completed for **34** of the 39 target communities. 205,000 brochures were reprinted and distributed during 2005-06 following the Dec 2004 Indian Ocean earthquake and tsunami.

**4. HOW WE COMPARE**

There are 30 Washington communities at risk, most clustered at the southern end of the state along a length of coast about 1/3 as long of that at risk in Oregon. Washington has produced similar evacuation brochures for 27 communities, however these do not provide recommended evacuation routes.

**5. FACTORS AFFECTING RESULTS**

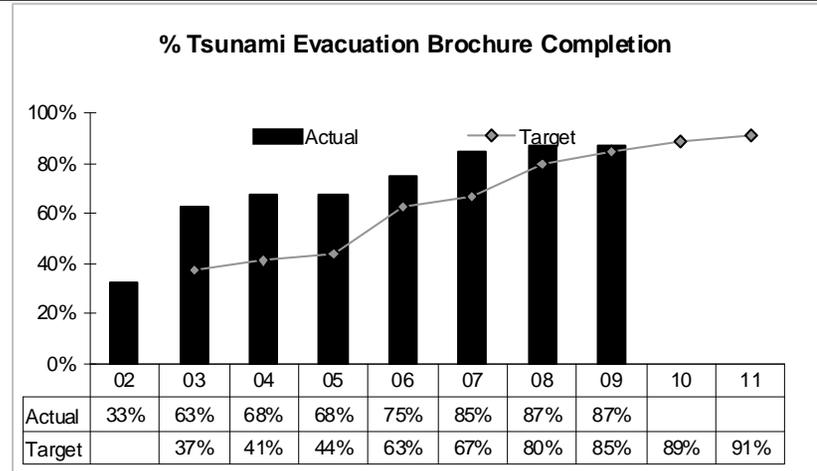
The agency sources funds from the federal National Tsunami Hazard Mitigation Program administered by NOAA to produce these brochures, model and create inundation maps, and to provide awareness education campaigns. The 2004 Sumatra tsunami disaster increased awareness levels of similar risk here along the Oregon coast.

**6. WHAT NEEDS TO BE DONE**

Brochure completion and revisions are driven by tsunami inundation map completion (KPM 9). The Agency has initiated a plan to re-assess tsunami inundation along the entire Oregon coast using new LIDAR-derived detailed topography to significantly improve true elevation accuracy. This plan has a schedule for LIDAR acquisition during 2008-09 to be followed by inundation modeling in 2009-11 and new inundation brochures in 2010-2013.

**7. ABOUT THE DATA**

The data are for the Oregon fiscal year. Tsunami evacuation brochures are at <http://www.oregongeology.com/sub/earthquakes/Coastal/Tsubrochures.htm> .



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KPM #3	COASTAL EROSION MAP COMPLETION % target communities with standardized, 4-risk zone erosion hazard maps.	Measure since: 2005
<b>Goal</b>	LIFE & PROPERTY SAFETY: Agency Goal #1 Reduce risk to Oregonians from naturally occurring geologic hazardous events.	
<b>Oregon Context</b>	OBM 67a: Community Preparedness For Natural Hazards.	
<b>Data source</b>	Department records.	
<b>Owner</b>	Coastal Section; contact Don Lewis, 971-673-1555, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

**1. OUR STRATEGY**

Reduce the risk of losses to property and infrastructure by identifying minimum and maximum potential coastal change erosion distances for bluff- and dune-backed shorelines over the next 60-100 years; for use by land use planners. DLCDD, OPRD, USACE and coastal counties and communities are active partners.

**2. ABOUT THE TARGETS**

30 selected communities represent the coastline of interest and at risk.

**3. HOW WE ARE DOING**

These four-zone erosion maps (“Imminent, High, Moderate, and Low Hazard Zones”) have been completed for 23 of 30 communities. Extensive supportive work is in progress focused on coastal change on the northern Oregon coast. See a portion of this work assessing estuaries and shores at <http://www.oregongeology.com/sub/Nanoos1/index.htm> .

**4. HOW WE COMPARE**

A direct comparable has not been located. Various jurisdictions, including the State of Hawaii, have active coastal erosion studies incorporated as part of their coastal zone management programs.

**5. FACTORS AFFECTING RESULTS**

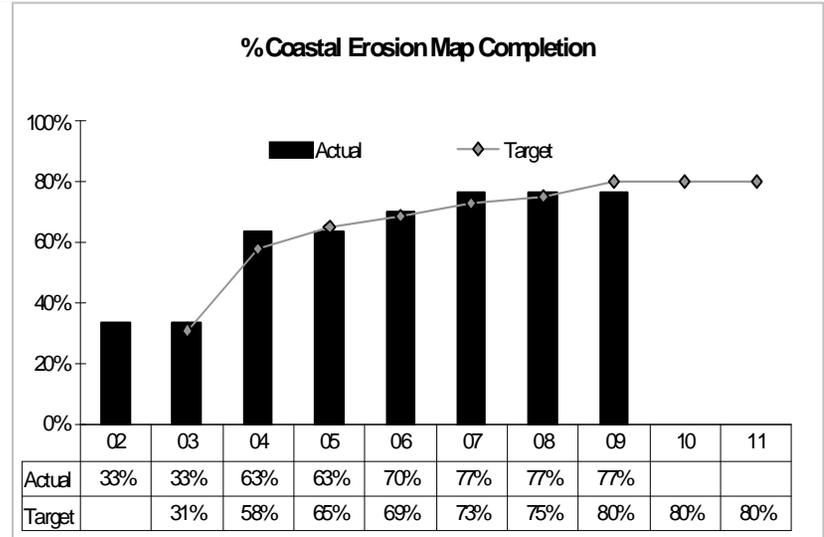
Hazard assessment efforts have focused on the northern half of Oregon where beaches are more prevalent, exposed, populated and there is greater risk due to rising sea levels exceeding plate tectonic uplift; the reverse is generally true for southern Oregon. Funding source priorities have followed this perceived risk.

**6. WHAT NEEDS TO BE DONE**

Partnerships with state and local authorities are necessary to advance this work for the communities located in Curry, Coos, Douglas and Lane counties.

**7. ABOUT THE DATA**

The seven Open File Reports (OFR 01-03, 01-04, 04-09, 04-11, 04-18, 04-20, and 07-03) documenting these studies are available from the Nature of the Northwest Information Center at <http://www.naturenw.org/> . Information concerning ongoing hazard mitigation activities along the coast can be found at <http://www.oregongeology.com/sub/earthquakes/Coastal/CoastalHazardsMain.htm> .



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KPM #4	HAZARD AWARENESS Public awareness of geologic hazards and mitigation efforts.	Measure since: 2003
<b>Goal</b>	LIFE & PROPERTY SAFETY: Agency Goal #2 Improve public awareness of geologic hazards and educate communities on mitigation.	
<b>Oregon Context</b>	OBM 67a: Community Preparedness For Natural Hazards.	
<b>Data source</b>	Department records.	
<b>Owner</b>	Both programs & All Sections; contact Don Lewis, 971-673-1555, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

1. **OUR STRATEGY**

Deliver reliable hazard information to Oregonians at risk so as to positively affect awareness, behavior and personal accountability.

2. **ABOUT THE TARGETS**

*THIS KPM IS SUBJECT TO REVISION/DELETION.*

3. **HOW WE ARE DOING**

4. **HOW WE COMPARE**

5. **FACTORS AFFECTING RESULTS**

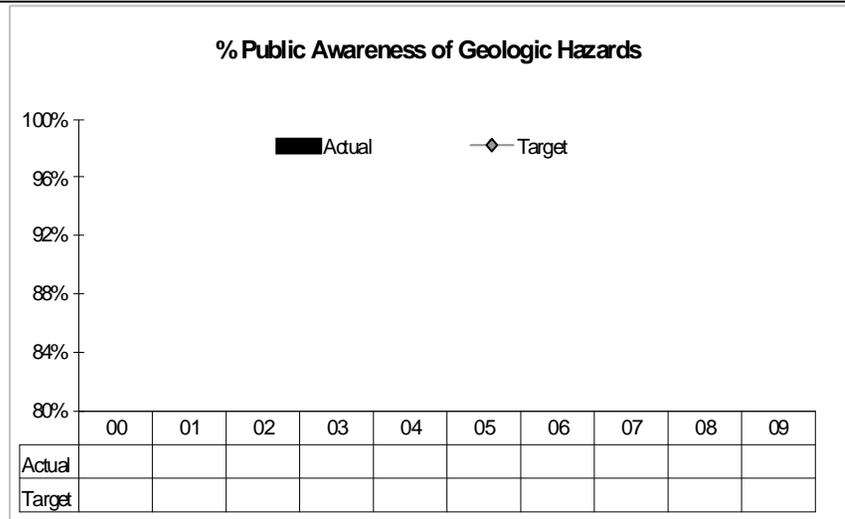
6. **WHAT NEEDS TO BE DONE**

Adopt benchmark 67a as the KPM.

7. **ABOUT THE DATA**

The data and results through 2005-06 were qualitative; reflecting simply the high response rate of the department in responding to queries following natural hazard events.

The Legislature approved deletion of this KPM and it shall be replaced by KPM 12: Percent of Oregon Communities with Geologic Hazard Data and Prevention Activities in Place. New KPM 12 has targets for 2010 and 2011 of 33% and 36%, respectively.



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PM #5	RECLAMATION Total number of mining acres that have been reclaimed and returned to secondary beneficial use.	Measure since: 2005
Goal	SUSTAINABLE NATURAL RESOURCE MANAGEMENT: Agency Goal #3: Resource management via prompt reclamation of acres disturbed during exploration or mining or fluid mineral drilling of mining sites.	
Oregon Context	Rural Economic Development and Sustainability of State Resources.	
Data source	Department records.	
Owner	Mined Land Regulation & Reclamation Program; contact Don Lewis, 971-673-1555, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

1. **OUR STRATEGY**

Administer reclamation plans of operating permit holders to minimize disturbance and efficiently return the land of **closed** sites to secondary beneficial use. The MLRR Awards program is found at: <http://www.oregongeology.com/sub/mlr/2005MLRR Awards4.htm> .

2. **ABOUT THE TARGETS**

A review of legacy data resulted in these modified targets. The actual performance in any one year is not within agency control since the operator makes the decision when to close a site.

3. **HOW WE ARE DOING**

During 2008-09 **401** acres of disturbed land at **29** closed sites were reclaimed to secondary use. The trend is moving onto target. Of the 5,654 acres reclaimed, the leading secondary beneficial use categories are for agriculture (19.3%), open space and range (17.2%), wildlife and wetlands (10.1%), forestry (8.4%) and housing (7.4%).

4. **HOW WE COMPARE**

Comparison to a similar jurisdiction is not available.

5. **FACTORS AFFECTING RESULTS**

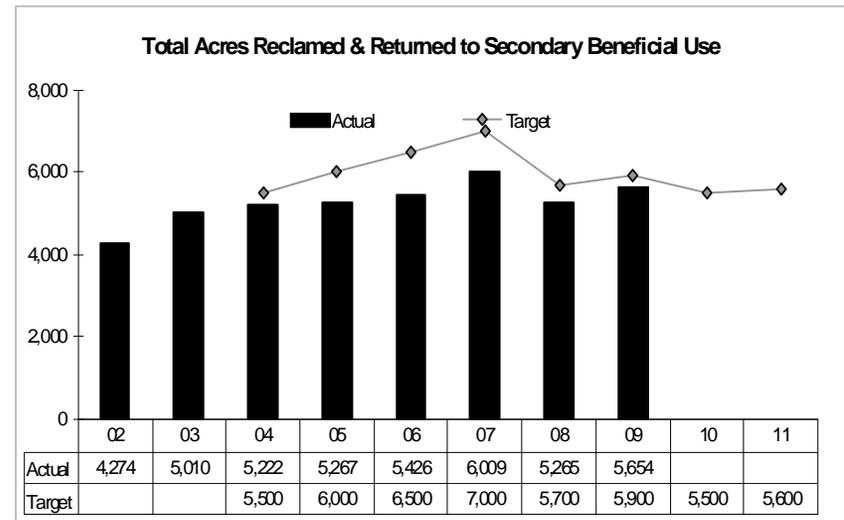
The timing, pace and location of site closure, and subsequent reclamation, is independent of agency activity.

6. **WHAT NEEDS TO BE DONE**

Continuously improve the program, including the spatial database.

7. **ABOUT THE DATA**

There are approximately **2,060** closed sites in the MLRR database (comprising an undetermined amount of disturbed acres of mined land) as compared with approximately 1,126 sites with active site permits (comprising in excess of 21,500 disturbed acres).



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KPM #6	DETAILED GEOLOGIC MAP COMPLETION % of targeted areas in Oregon where geologic data in the form of high resolution maps have been completed to be used for local problem solving.	Measure since: 2005
<b>Goal</b>	SUSTAINABLE NATURAL RESOURCE MANAGEMENT: Agency Goal #4: Create and compile geologic data needed in natural resource and land use problem solving.	
<b>Oregon Context</b>	Rural Economic Development and Sustainability of State Resources.	
<b>Data source</b>	Department records.	
<b>Owner</b>	Statewide Mapping & Minerals Section; contact Don Lewis, 971-673-1555, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

1. **OUR STRATEGY**

Collect geologic data at a map scale of 1:24,000 in targeted high priority areas in Oregon to support resource and hazard assessment. USGS is a key partner.

2. **ABOUT THE TARGETS**

Target areas are defined by population concentration. The total targeted inhabited area is **17,610** square miles, or 18% of Oregon.

3. **HOW WE ARE DOING**

In 2008-09 the Agency published **8** new detailed maps covering 426 square miles, adding **322** qualifying square miles in the Portland, Corvallis and Lebanon areas. The trend is moving in parallel with targets. Maps at: <http://www.oregongeology.com/sub/publications/gms/gms.htm> .

4. **HOW WE COMPARE**

Washington State does not currently have this scale of map available online. Nevada has PDF of 77 1:24,000 scale maps available at <http://www.nbmgs.unr.edu/dox/dox.htm#3> . Idaho has 61 1:24,000 scale maps available at <http://www.idahogeology.org/Products/> . California has 42 1:24,000 scale maps available at [http://www.consrv.ca.gov/cgs/rghm/rgm/preliminary\\_geologic\\_maps.htm](http://www.consrv.ca.gov/cgs/rghm/rgm/preliminary_geologic_maps.htm) .

5. **FACTORS AFFECTING RESULTS**

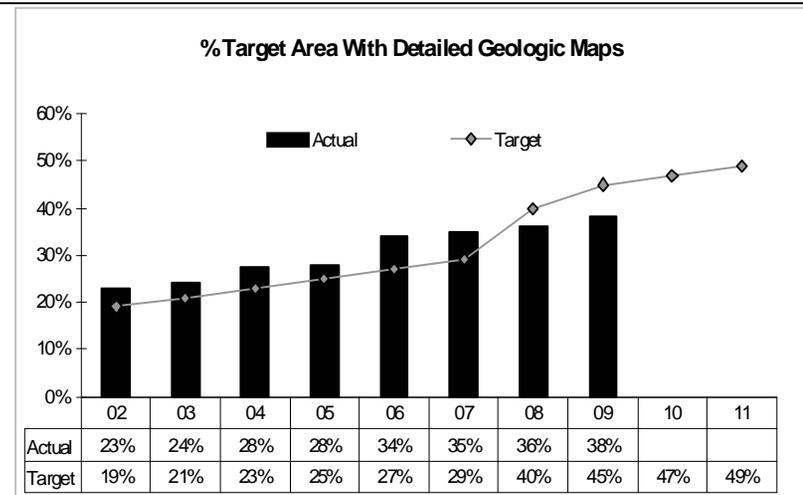
During 2008-09 the USGS did not release any new maps in Oregon at this scale. We anticipate they will release several during 2010-11.

6. **WHAT NEEDS TO BE DONE**

The Agency is collecting LIDAR topographic data in targeted areas. This data will significantly improve the positioning of rock formation outcrops, contacts, fault lines, landslides and other key features, and thereby will improve the natural resource and hazard assessments drawn from the data. The Agency prioritizes new geologic mapping in areas with LIDAR data coverage. New DOGAMI work is in progress to the north of Eugene.

7. **ABOUT THE DATA**

Map areas comply with the national 7.5minute quadrangle grid system.



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KPM #7	REGIONAL GEOLOGIC MAP COMPLETION % of Oregon where geologic data in the form of medium resolution maps have been completed to be used for regional problem solving.	Measure since: 2005
<b>Goal</b>	SUSTAINABLE NATURAL RESOURCE MANAGEMENT: Agency Goal #4: Create and compile geologic data needed in natural resource and land use problem solving.	
<b>Oregon Context</b>	Rural Economic Development and Sustainability of State Resources.	
<b>Data source</b>	Department records.	
<b>Owner</b>	Statewide Mapping & Minerals Section; contact Don Lewis, 971-673-1555, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

**1. OUR STRATEGY**

Compile and deliver on-line a digital geologic map database and map interface for resource, land use and hazard planning in Oregon; utilize best available legacy data derived from the >1,000 geologic maps in Oregon. Key partners include USGS, USFS, BOR, ODOT and DAS EISPD GEO.

**2. ABOUT THE TARGETS**

Complete 100% coverage and on-line delivery by June 2011.

**3. HOW WE ARE DOING**

During 2008-09 the “Northwest” portion was completed, and shall be released during '09-'10. The trend is ahead of target. The preliminary data are online at <http://www.oregongeology.com/sub/ogdc/index.htm> .

**4. HOW WE COMPARE**

No nearest state neighbor, nor the USGS, has a similar product online. A few nations have generalized products, including the British Geological Survey: <http://www.bgs.ac.uk/education/makeamap/home.html> .

**5. FACTORS AFFECTING RESULTS**

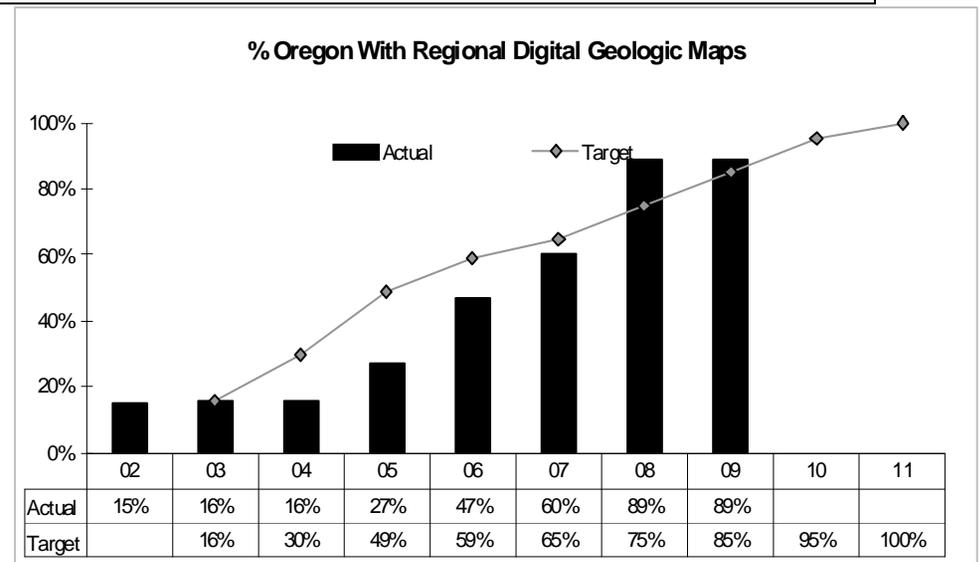
The Agency collaborated with Portland State University on the web applications to accelerate web development. The project page may migrate to the Agency website during 2008-09 in order to add functionality and to link with other Agency hazard data such as the Statewide Landslide Information Database for Oregon at <http://www.oregongeology.com/sub/slido/index.htm> .

**6. WHAT NEEDS TO BE DONE**

Complete the initial data gathering portion of the project that is to select the best available map units data, capture the spatial polygons where the rock units exist, trace the fault lines, populate the attributes within the geodatabase, and document the sources; this initial phase is to be completed by June 30, 2009. During 2010-11 the project will move into the data synthesis and presentation phase to populate data layer presentation on the web.

**7. ABOUT THE DATA**

The geographic information system (GIS) layers of the data are available on CD at <http://www.oregongeology.com/sub/ogdc/background.htm#purchase> .



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KPM #8	MINESITES INSPECTED ANNUALLY % of mine operators with active sites inspected annually by MLRR staff.	Measure since: 2005
Goal	SUSTAINABLE NATURAL RESOURCE MANAGEMENT: Agency Goal #3: Resource management via prompt reclamation of acres disturbed during exploration or mining or fluid mineral drilling of mining sites.	
Oregon Context	Rural Economic Development and Sustainability of State Resources.	
Data source	Department records.	
Owner	Mined Land Regulation & Reclamation; contact Don Lewis, 971-673-1555, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

1. **OUR STRATEGY**

Annually inspect 50% of the operators with active sites. As of June 2009 there were 573 unique permit holders with active, amended, and new permits.

2. **ABOUT THE TARGETS**

The intent of the target is to physically visit 100% of mine operators with active sites every biennium.

3. **HOW WE ARE DOING**

During 2008-09 **405** sites were inspected one or more times of **191** unique operators. The reported trend is upward from 2007-08. It is noteworthy that some 71 sites required 285 inspections, or average of 4 each.

4. **HOW WE COMPARE**

No comparable data for neighboring states available.

5. **FACTORS AFFECTING RESULTS**

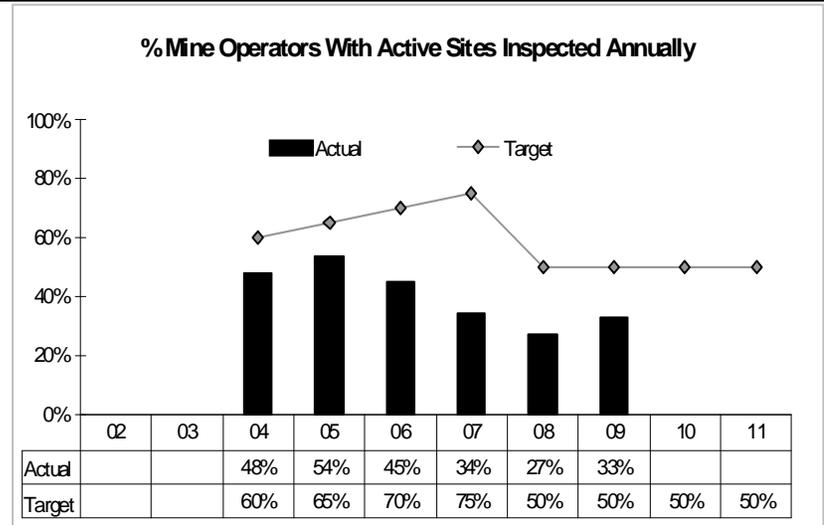
The upward trend was reflects a 55% increase in total inspections and a 28% increase in unique permittee inspections as compared with 2007-08.

6. **WHAT NEEDS TO BE DONE**

The Agency is pursuing a strategy to perform more field inspections by hiring limited duration administrative assistance to relieve the field inspectors from some of the paperwork associated with new permit applications.

7. **ABOUT THE DATA**

A list of permit sites and related information is available at <http://www.oregongeology.com/sub/mlr/mlrhome.htm> .



Agency Mission: Produce and use geologic information to promote the health, safety, and welfare of Oregonians.

KPM #9	TSUNAMI INUNDATION MAP COMPLETION % of coastal communities provided with detailed tsunami inundation maps for local emergency planning.	Measure since: 2005
<b>Goal</b>	LIFE & PROPERTY SAFETY: Agency Goal #1 Reduce risk to Oregonians from naturally occurring geologic hazardous events.	
<b>Oregon Context</b>	OBM 67a: Community Preparedness For Natural Hazards.	
<b>Data source</b>	Department records.	
<b>Owner</b>	Coastal Section; contact Don Lewis, 971-673-1555, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

**1. OUR STRATEGY**

Provide computer simulation-based tsunami inundation hazard maps for at-risk communities. NOAA, OHSU and OEM are key partners. Coastal communities are invested through a “Technical Advisory Committee”. During 2006-07 Cannon Beach funded mapping of paleo-tsunami sand deposits to calibrate tsunami events.

**2. ABOUT THE TARGETS**

35 at-risk incorporated communities have been identified.

**3. HOW WE ARE DOING**

Progress on the southern Oregon pilot project area at Bandon was in progress during 2008-09, and follows on the completion of the northern Oregon project at Cannon Beach during 2007-08. The trend is below target, but the agency has successfully sourced federal funding to facilitate re-mapping of every target community and of the entire coast by July 2013; five years ahead of schedule.

**4. HOW WE COMPARE**

Oregon is one of the 5 Pacific states that has examined inundation hazards.

**5. FACTORS AFFECTING RESULTS**

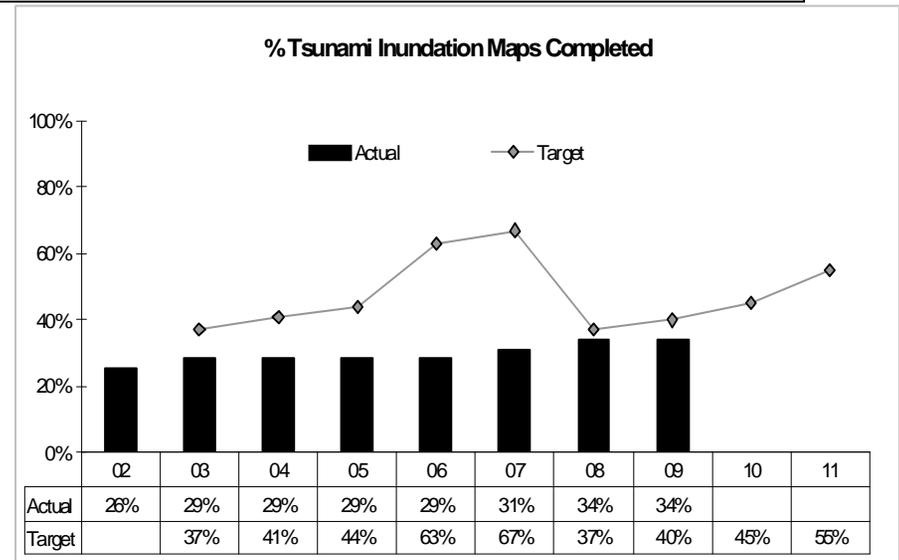
During the 2003-07 period delays in map completion occurred due to delays in receiving high quality bathymetric and topographic data, and by expert staff turnover at a key subcontractor. These factors have been overcome.

**6. WHAT NEEDS TO BE DONE**

The Agency lead the effort to acquire high resolution LIDAR-derived topographic data for the entire Oregon coast during 2008-09. Also, an improved geologic source model methodology has been implemented to more accurately reflect probable earthquake-induced ground motion; this includes lessons learned from Sumatra. The combination of better data and improved methodology will facilitate state-of-the-science “100 year” and “500 year” tsunami hazard maps. The key constraint to source adequate funding from NOAA for computer simulation modeling has been overcome and work is in progress.

**7. ABOUT THE DATA**

Tsunami inundation maps are published as Interpretative Map Series (IMS) maps 2,3,11,12,13,21,23 and also GMS-99 and are available at <http://www.naturenw.org/geo-tsunamis.htm>.



Agency Mission: Produce and use geologic information to promote the health, safety, and welfare of Oregonians.

KPM #10	CUSTOMER SERVICE : Percent of customers rating their satisfaction with the agency’s customer service as “good” or “excellent”: overall, timeliness, accuracy, helpfulness, expertise, availability of information	Measure since: 2005
<b>Goal</b>	Improve collaboration and deliver the highest level of customer service possible.	
<b>Oregon Context</b>	Statewide Mission.	
<b>Data source</b>	Department survey results.	
<b>Owner</b>	Don Lewis, 971-673-1541, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

1. **OUR STRATEGY**

Invite customer input; respond positively to constructive criticism.

2. **ABOUT THE TARGETS**

90% customer satisfaction is the target. This shall increase to 95% for 2009-11.

3. **HOW WE ARE DOING**

Survey data collected during 2007-08 illustrates that the Agency is on track with every category. The tabled results are a blend of results from both Agency Programs. The results display that the category where each Program can improve the most is in Timeliness; this was the same outcome in previous surveys.

4. **HOW WE COMPARE**

Agency results are similar in range and kind to other Oregon Natural Resource Agencies.

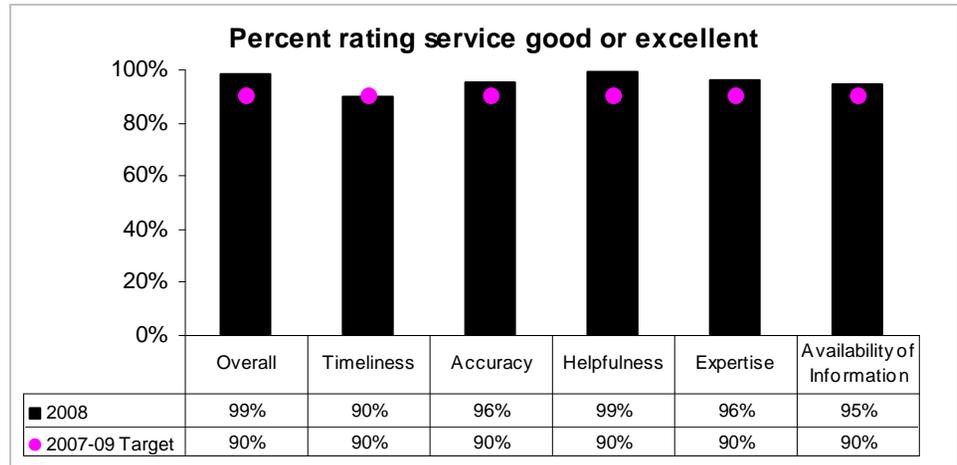
5. **FACTORS AFFECTING RESULTS**

6. **WHAT NEEDS TO BE DONE**

The Agency shall strive for continuous improvement in each category of customer satisfaction; and will improve satisfaction in Timeliness by augmenting the availability and improving customer success in locating data, maps, reports, permit and related information via the internet.

7. **ABOUT OUR CUSTOMER SERVICE SURVEY**

The 2007-08 surveys utilized the approved customer satisfaction question format and sampled varying customers at various forums. Program 2 performed a census of its 138 Stormwater discharge permit-holders (compliers). Program 1 collected convenience samples of constituents, clients and consumers that attended a Landslide Symposium workshop and the Klamath Falls Geology Field Trip, a census of advisory committee constituents, and a random sample of consumers at the Nature of the Northwest Information Center. A total of 482 customers had the opportunity to respond, and 168 did (35% response rate).



Agency Mission: Produce and use geologic information to promote the health, safety, and welfare of Oregonians.

KPM #11	GOVERNANCE : Percent of yes responses by Governing Board to the set of best practices	Measure since: 2007
<b>Goal</b>	Ensure discussion of governance best practices.	
<b>Oregon Context</b>	Statewide Mission.	
<b>Data source</b>	Governing Board survey results.	
<b>Owner</b>	Don Lewis, 971-673-1541, <a href="mailto:don.lewis@dogami.state.or.us">don.lewis@dogami.state.or.us</a>	

Adopted May 5, 2007; results discussed at October 9, 2008, Governing Board Mtg.

Best Practices Criteria	Consensus '07-'08	
	Yes	No
1. Executive Director's performance expectations are current.	X	
2. Executive Director's receives annual performance feedback.	X	
3. The agency's mission and high-level goals are current and applicable.	X	
4. The board reviews the <i>Annual Performance Progress Report</i> .	X	
5. The board is appropriately involved in review of agency's key communications.	X	
6. The board is appropriately involved in policy-making activities.	X	
7. The agency's policy option packages are aligned with their mission and goals.	X	
8. The board reviews all proposed budgets.	X	
9. The board periodically reviews key financial information and audit findings.	X	
10. The board is appropriately accounting for resources.	X	
11. The agency adheres to accounting rules and other relevant financial controls.	X	
12. Board members act in accordance with their roles as public representatives.	X	
13. The board coordinates with others where responsibilities and interests overlap.	X	
14. The board members identify and attend appropriate training sessions.	X	
15. The board reviews its management practices to ensure best practices are utilized.	X	
<i>Totals</i>	15	0
<b>Total Number</b>	15	15
<b>Percentage of Total</b>	100%	0%

The agency did not complete a review during 2009 but shall in mid-2010 for the 2009-10 KPM report.