

**DOGAMI Key Performance Measurement
Key Performance Measures 2007:**

AGENCY:
#10 Customer Service
#4: Hazard Awareness

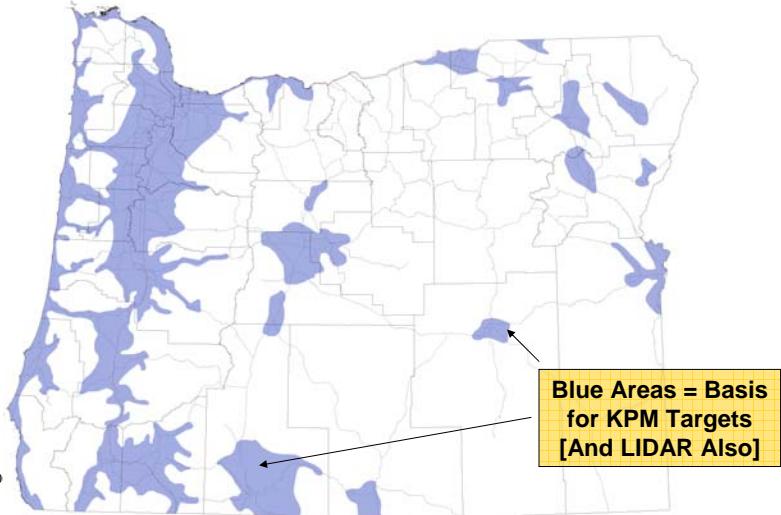
PROGRAM 1: Geologic Survey & Services
#6: Detailed Geologic Map Completion
#7: Regional Geologic Map Completion
#1: Earthquake & Landslide Map Completion
#9: Tsunami Inundation Map Completion
#2: Tsunami Evacuation Map Completion
#3: Coastal Erosion Map Completion
#1: Earthquake & Landslide Map Completion
POP 103: LIDAR DATA ACQUISITION – Links to KPM 6, 1, 9, 2, 3 plus 4, 5

PROGRAM 2: Mined Land Regulation & Reclamation
#5: Reclamation
#8: Mine Sites Inspected Annually

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Presentation to Natural Resources Subcommittee – Ways & Means

Key Performance Measurement - Basis

- **Measure KPM Progress Where Oregonians Are:**
 - Blue Areas Total About 18% of Oregon Area & About 98% Oregonians



**Blue Areas = Basis
for KPM Targets
[And LIDAR Also]**

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KPM 10 – Customer Service Satisfaction

Survey Results Very Similar For Both Programs:
Excellent Grades For Helpfulness, Expertise & Overall Quality
Customers of Both Programs Want Information to be Available on a More Timely Basis

Program 1: Geological Survey & Services 2005-2006

	Number Attendees/Visitors/Requested	14.5%	Don't Know				% Good or Excellent
	Number CS Forms received	Excellent	Good	Fair	Poor	Know	
How do you rate the timeliness of the services provided by DOGAMI?	64	43	4	1	10		96%
How do you rate the ability of DOGAMI to provide services correctly the first time?	62	39	4	2	15		94%
How do you rate the helpfulness of DOGAMI employees?	66	23	4	0	9		96%
How do you rate the knowledge and expertise of DOGAMI employees?	73	38	4	0	7		97%
How do you rate the availability of information at DOGAMI?	50	56	6	3	7		92%
How do you rate the overall quality of service provided by DOGAMI?	65	41	6	1	9		94%

Program 2: Mined Land Regulation & Reclamation 2005-2006

	Number Attendees/Visitors/Requested	21.0%	Don't Know				% Good or Excellent
	Number CS Forms received	Excellent	Good	Fair	Poor	Know	
How do you rate the timeliness of the services provided by DOGAMI?	59	63	2	1	7		98%
How do you rate the ability of DOGAMI to provide services correctly the first time?	65	54	3	0	9		98%
How do you rate the helpfulness of DOGAMI employees?	63	31	1	0	7		99%
How do you rate the knowledge and expertise of DOGAMI employees?	73	49	1	0	7		99%
How do you rate the availability of information at DOGAMI?	65	45	8	0	11		93%
How do you rate the overall quality of service provided by DOGAMI?	72	50	2	0	7		98%

2005-2007 Budget-Based Weighting System:

	GF	OF	FF	Sum	Sum All	
Program 1 Weighting Factor:	0.75	\$ 2.88	\$1.59	\$1.85	\$ 6.32	8.14
Program 2 Weighting Factor:	0.25	\$ -	\$1.82	\$ -	\$ 1.82	

Note: Prog 1 GF excludes SB2 \$0.598M

SUM ALL WITH WEIGHTING

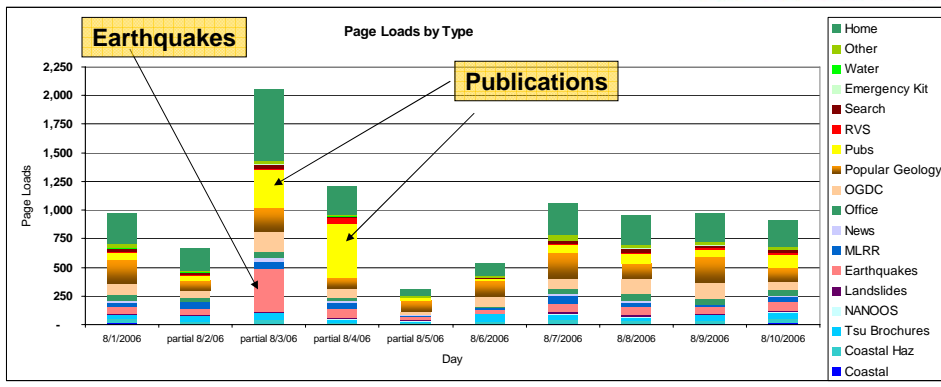
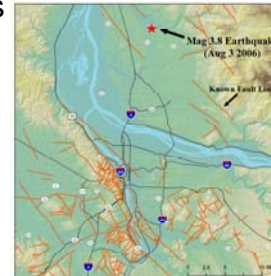
	Number Attendees/Visitors/Requested	15.8%	Don't Know				% Good or Excellent
	Number CS Forms received	Excellent	Good	Fair	Poor	Know	
How do you rate the timeliness of the services provided by DOGAMI?	63	48	4	1	9		96.1%
How do you rate the ability of DOGAMI to provide services correctly the first time?	63	43	4	2	14		95.3%
How do you rate the helpfulness of DOGAMI employees?	87	25	3	0	9		97.2%
How do you rate the knowledge and expertise of DOGAMI employees?	73	41	3	0	7		97.2%
How do you rate the availability of information at DOGAMI?	54	53	7	2	8		92.4%
How do you rate the overall quality of service provided by DOGAMI?	67	43	5	1	9		95.0%

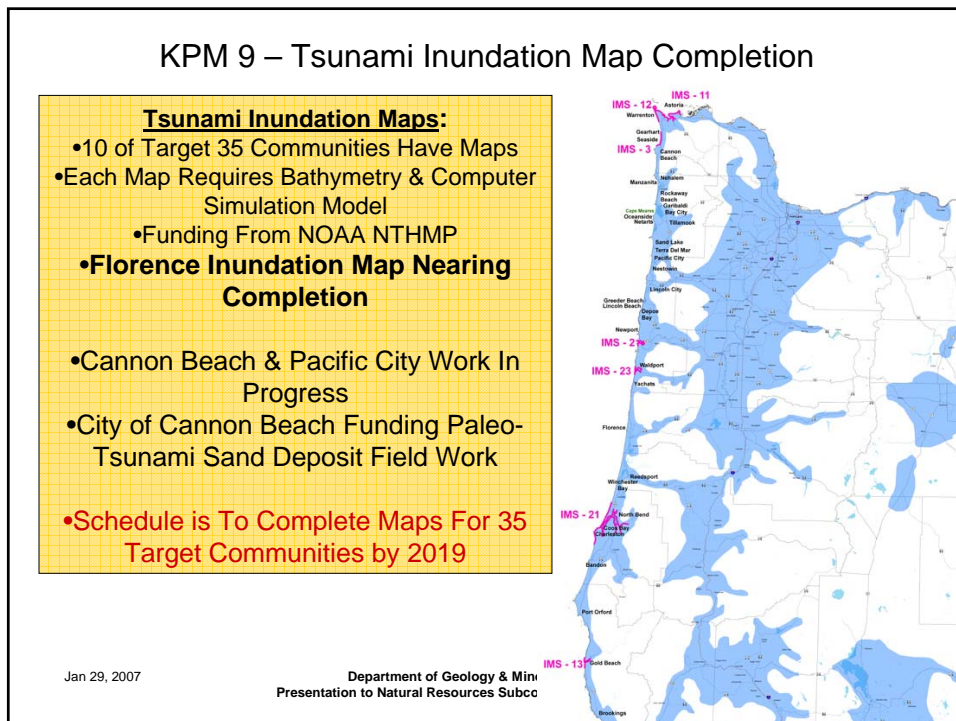
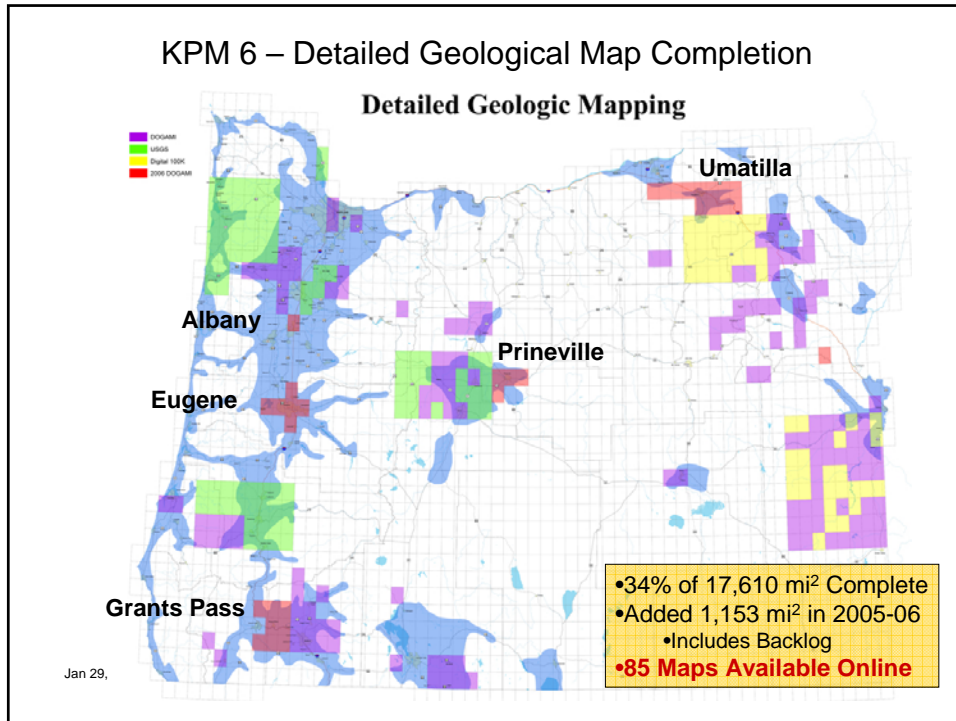
KPM 4 – Hazard Awareness

Customers Want Information On Timely Basis

•Website Activity Spikes After Earthquakes and Other Events (Including television broadcasts):

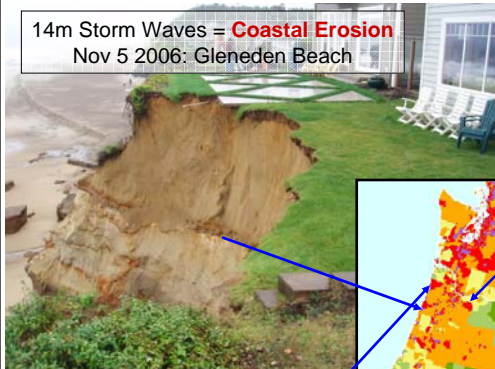
•Ex: August 3, 2006 M3.8 EQ near Battleground WA






A NOTE ABOUT WINTER STORMS = MULTIPLE HAZARDS

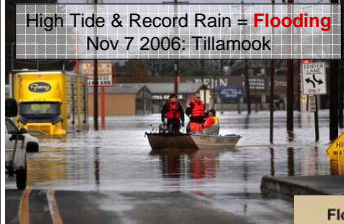
14m Storm Waves = Coastal Erosion
 Nov 5 2006: Gleneden Beach




10" Rain on Snow = Debris Flows
 2 Million yd³
 Nov 7 2006: Mt Hood




High Tide & Record Rain = Flooding
 Nov 7 2006: Tillamook

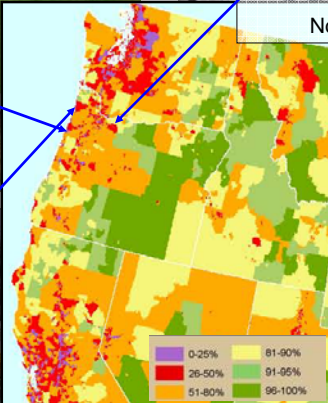


White R Bridge - Upstream Side



White R Bridge - Downstream Side





Flood Risk Percentages* by Census Block Group

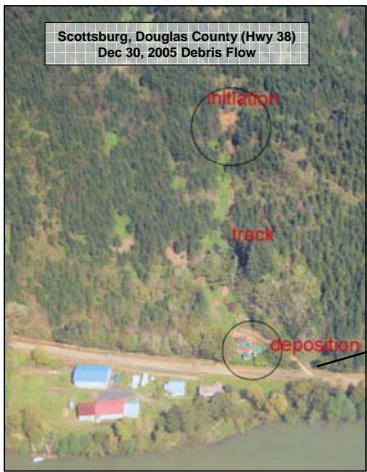
*Risk calculated from 8 parameters including total population density, historical population growth, predicted population growth, housing units, land policies, single family, apartment units, apartment base properties, and declared disasters.

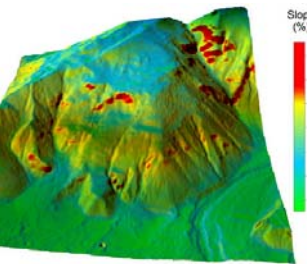
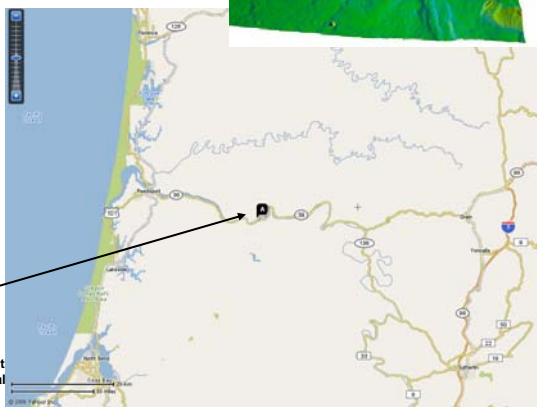
KPM 1 – Earthquake & Landslide Map Completion

Landslide Mapping:

- Fast Landslides **Initiate** on Steep Slopes, **Transport** In Gullies and **Deposit** As Fans
- Further Landslide Hazard Mapping Is Dependent on LIDAR**

Scottsburg, Douglas County (Hwy 38)
 Dec 30, 2005 Debris Flow

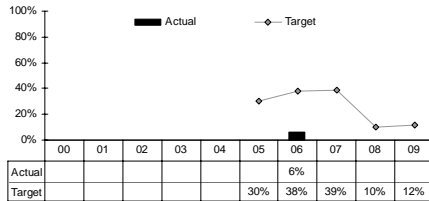


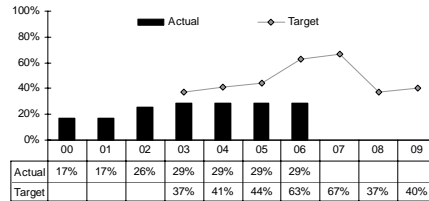
Performance Measure Results and Changes

•Analysis of KPM results used to critically evaluate programs and identify challenges – for example:

% Earthquake & Landslide Hazard Map Completion



% Tsunami Inundation Maps Completed



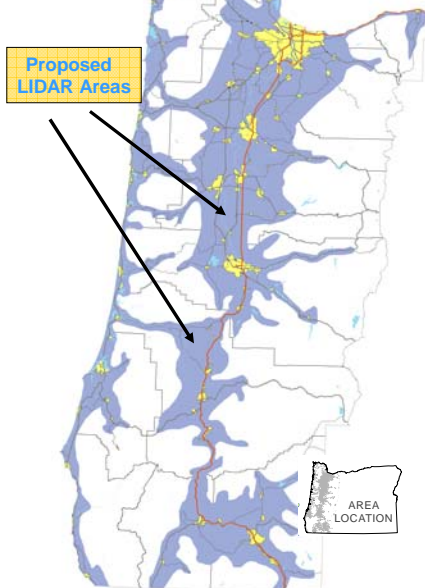
- Identified **need for LiDAR** data to complete landslide mapping and Further Review Areas for debris flows
- Identified need to devote full time staff to landslide mapping and modeling
- Illustrated that not all projects are being counted in KPM

- Identified need to address the hazard as all coastal
- Identified **need for LiDAR** and bathymetric data to accelerate inundation modeling
- Identified need to dedicate staff full time to paleotsunami mapping

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Package 103. Statewide **LiDAR** Data: Hazards Assessment & Mitigation & Natural Resource Inventory

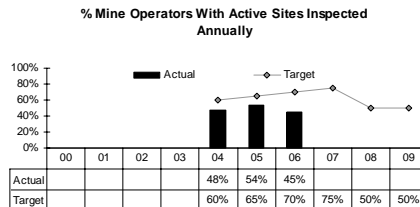
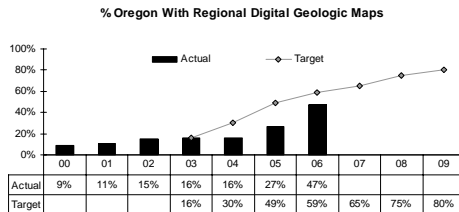


- LiDAR is linked to several KPM's
- Directly Linked to:
 - KPM 1- EQ & Landslide Mapping
 - KPM 3 – Coastal Erosion
 - KPM 6 – Detailed Geology Mapping
 - KPM 9 – Tsunami Inundation Mapping
- Indirectly Linked to:
 - KPM 2 – Tsunami Evacuation
 - KPM 4 – Hazard Awareness

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Performance Measure Results and Changes

- Analysis of KPM results used to critically evaluate programs and identify challenges – for example:



- Target values based on **projected federal funds** availability – funds are at a maximum but program costs continue to rise
- Stay on trend but must curtail staff and contract hires for efficiencies

- High impact sights can force redirection of staff
- Staff stressed to accomplish both **program needs and KPM metric**
- Management reevaluates staff priorities annually

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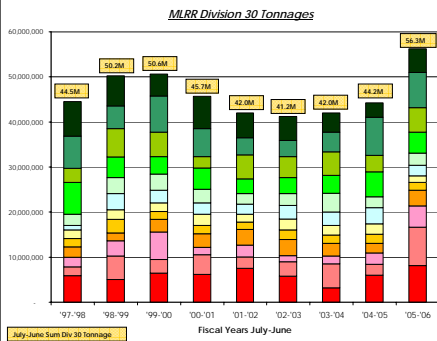
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KPM 8 – Mine Sites Inspected Annually

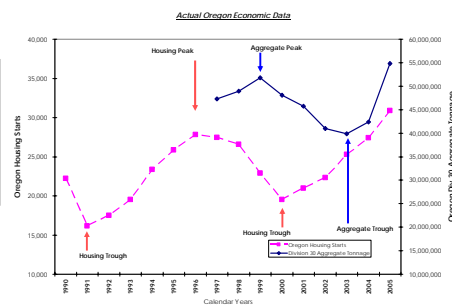
Oregon Aggregate Activity:

- Production Volume Was Up 37% in 2005-06 From 2002-03 Cyclical Bottom
- Production May Follow a 3-year Lag to Housing Activity

• This, in Combination With 2005 Fee Re-Structuring, Has Fee Revenues Now Adequately Covering the Cost of Regulatory Activities



MLRR 1997-2005 Aggregate Production Data



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