

WER CALDERA

Oregon Department of Geology and Mineral Industries

Joint Committee on Ways and Means Subcommittee on Natural Resources February 15, 2023





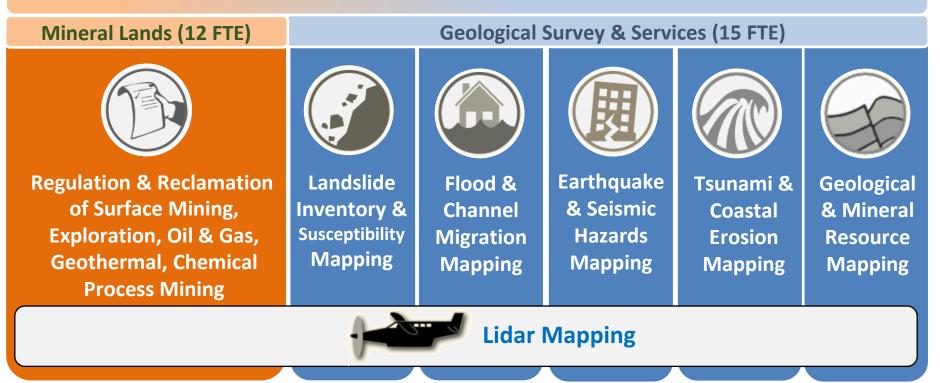
DOGAMI Programs Delivers Science & Stewardship

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Five Person Governing Board Confirmed by Senate

Agency Leadership (Administration, IT and Finance 8 FTE)

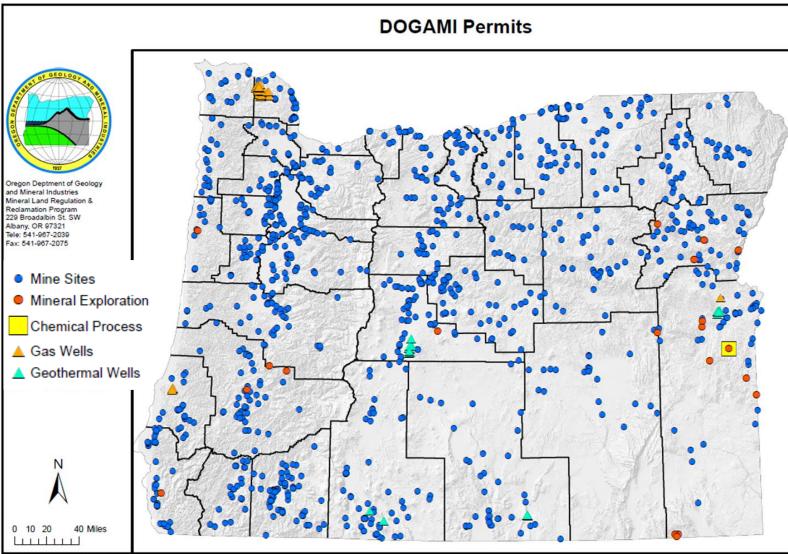


Mineral Land Regulation and Reclamation (MLRR)

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2019 Proposed Permit Area 2013 Proposed Permit Area 1999 Original Permit Area

Approx, Stout Mtn Rattlesnake Dens Natura

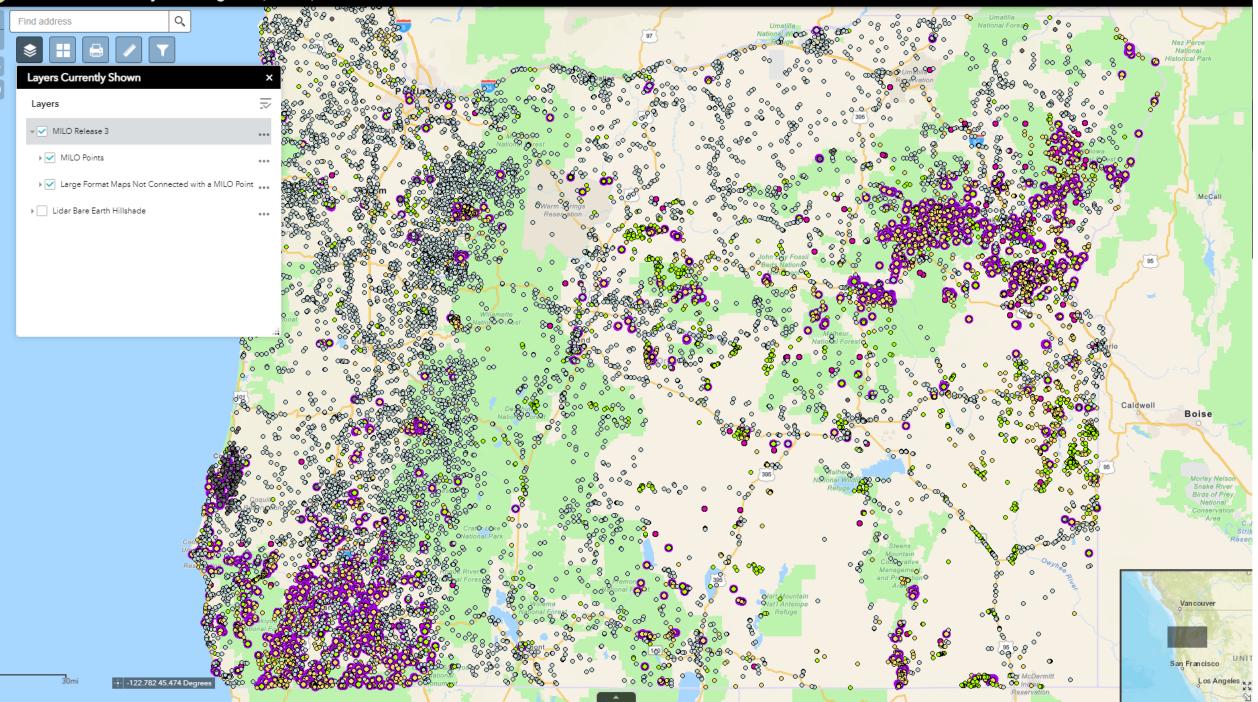
Disturbance Area Approx. Area to Halt Mine Operation:

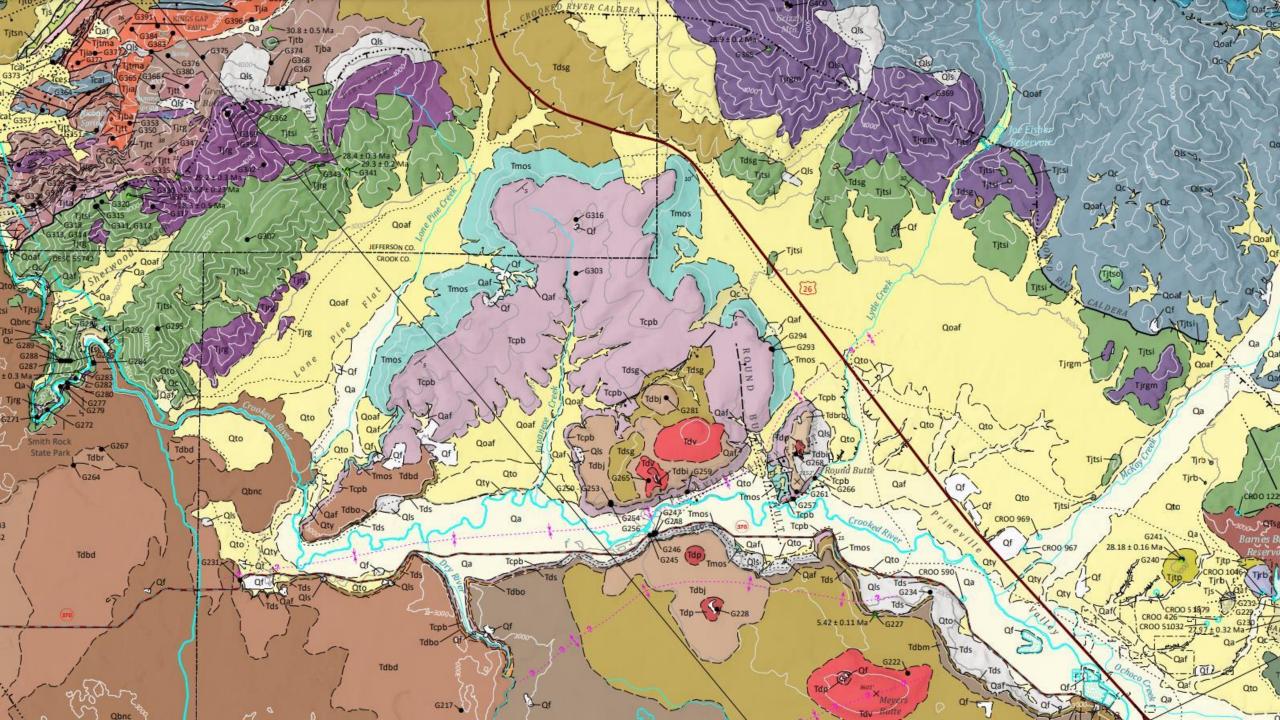


Prepared By: E. Buchner / 8-8-2022

S Mineral Information Layer for Oregon v3 (MILO-3)

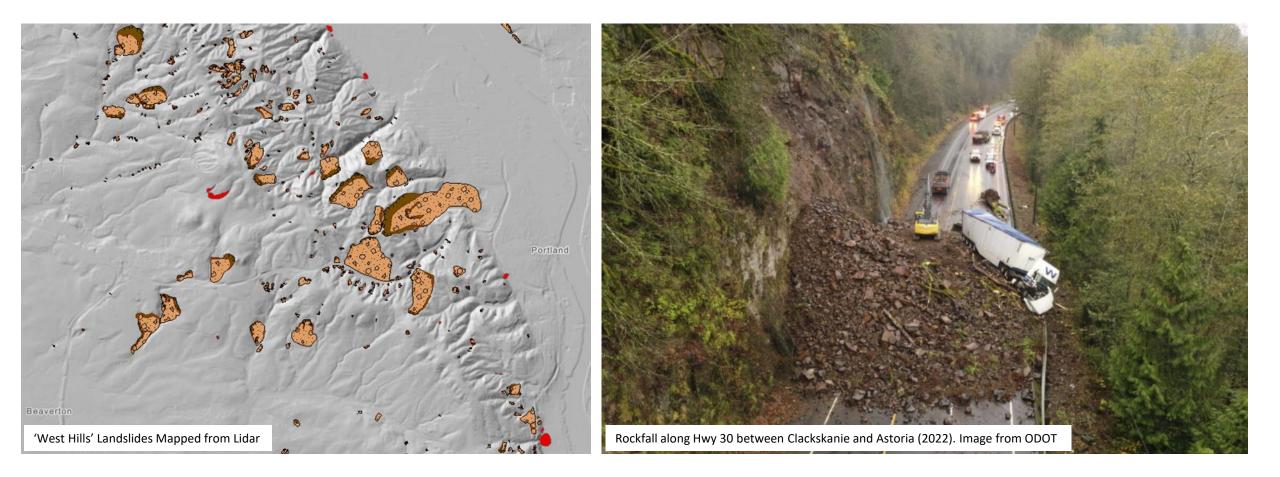
Oregon Department of Geology and Mineral Industries Source Data





Geological Survey & Services (GS&S)

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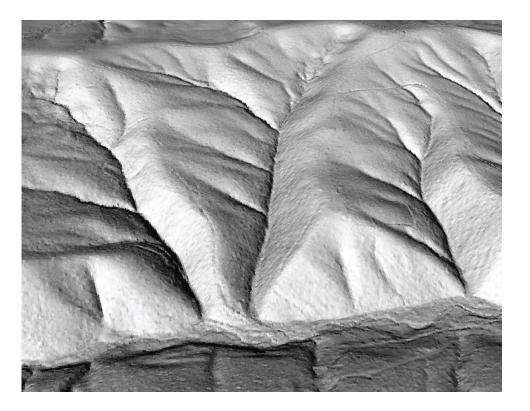
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Geological Survey & Services (GS&S)

Post-Fire Debris Flow Risk after Wildfire

January 2021 Fatal Post-Fire Debris Flow. Source of debris flow within the2017 Eagle Creek Fire, Columbia River Gorge, Oregon (photo courtesy of ODOT)





 DOGAMI collaborates with local communities to leverage technical expertise and federal funding to assess erosion and debris flow risk

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Long-Term Vacancies

• The Agency has no positions that qualifies for long-term vacancy status

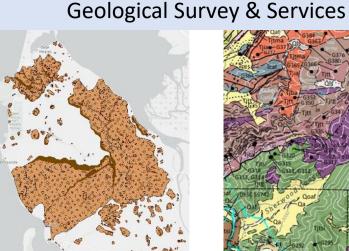
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- Currently no vacant position in the Agency
- 2022 was an exceptionally successful year in hiring for vacant positions
 - Workload necessitated hiring:
 - Limited Duration Staff
 - Intern
- Increase in both the number of Staff who hold Registered Geologist Licenses in Oregon and/or an advanced degrees



Key Performance Measures and Focus Areas

Strategic Focus Areas





MLRR

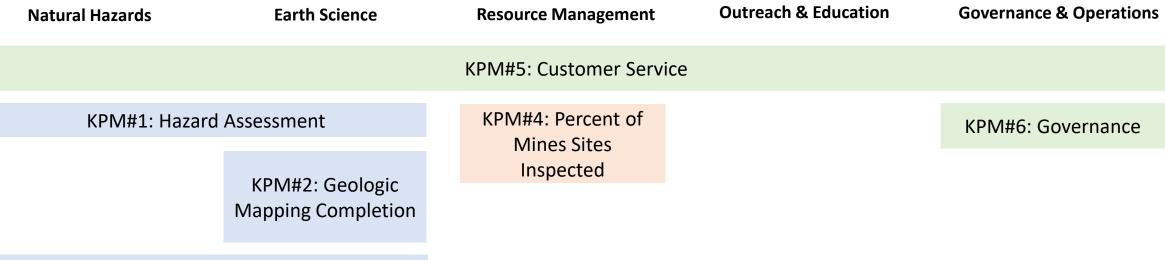
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All Agency







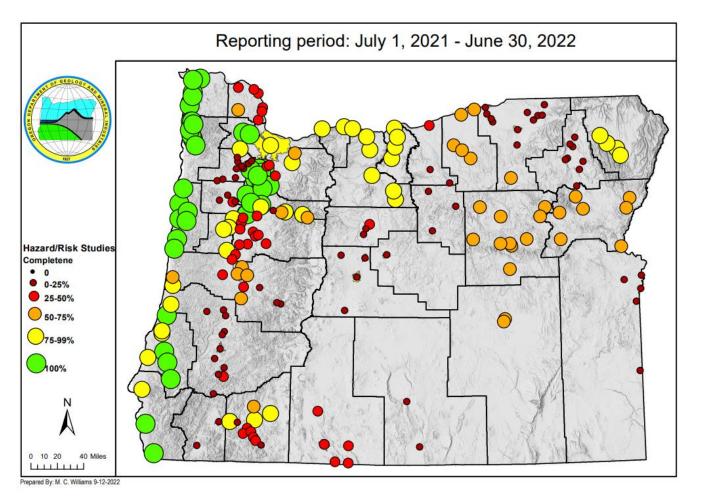
KPM#3: Lidar Coverage

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KPM#1 Geologic Hazard and Risk Assessment Completion

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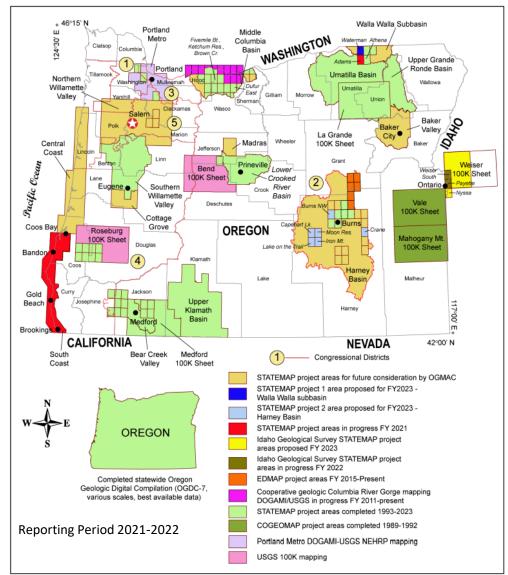
 Percent of population residing in Oregon Urban Growth Boundary Areas (UGBs) that have completed geologic hazard and risk assessments

Report Year	2021	2022
Target	57%	62%
Actual	57%	68%



KPM#2 Detailed Geologic Map Completion

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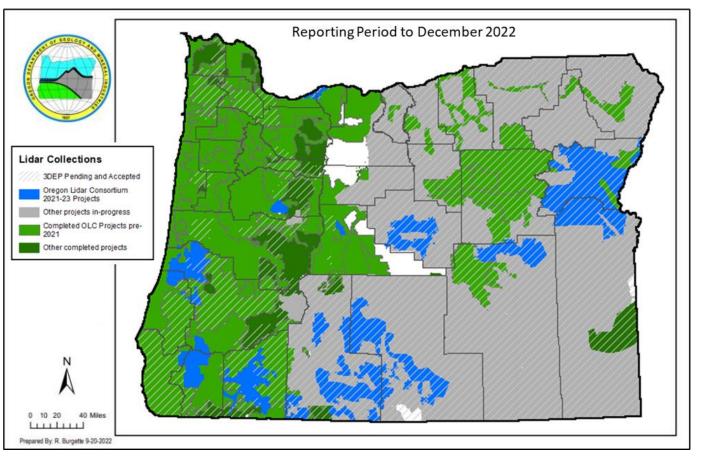
 Percent of Oregon (inhabited) where geologic data in the form of high-resolution maps have been completed to be used for local problem solving.

Report Year	2021	2022	
Target	65%	66%	KPM
Actual	62.7%	62.8%	
Year/Scale	2021	2022	e
1:100k	31.1%	31.5%	atewid
1:24k	21.1%	22.1%	Sta

KPM#3 Lidar Data Completion

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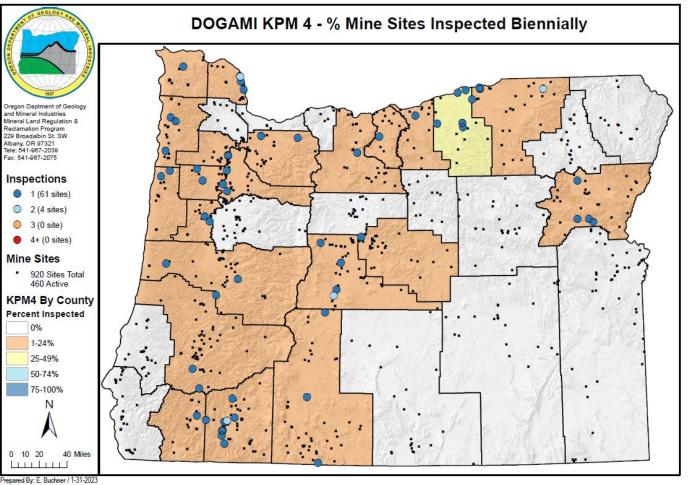
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 Percent of Oregon (sq. miles) with Lidar data at USGS quality level 2 or better.

Report Year	2021	2022
Target	54%	56%
Actual	56.1%	60.50%

KPM#4 Permitted Mines Sites Inspected



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- Percent of Permitted Surface Mine Sites Inspected Biennially (with 1 year of data reported)
 - Total sites: 920
 - Unique Inspections: 65

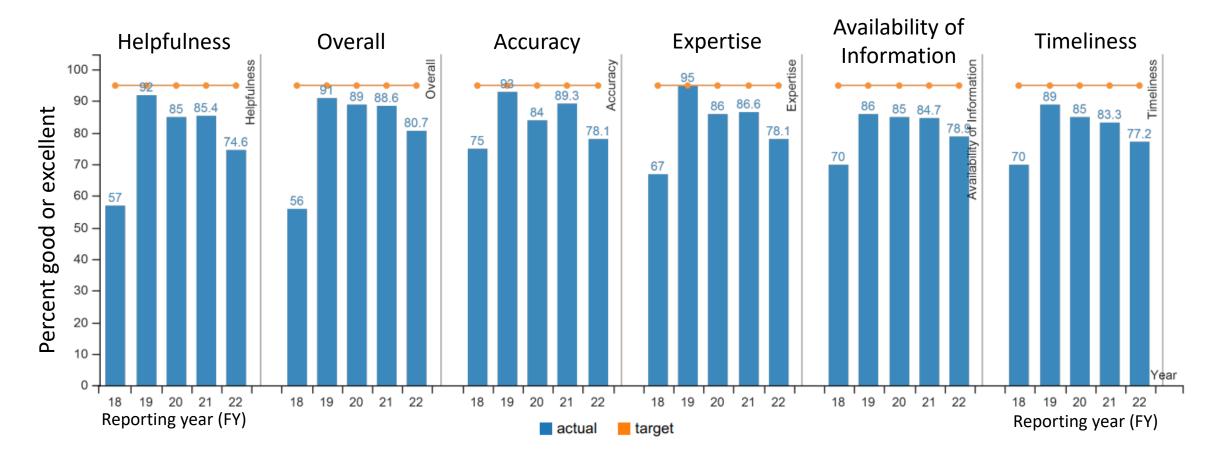
Report Year	2021	2022	Proposed
Target	50% (100%)	50%	20%
Actual	6% (15%)	7%	15-20%

 Revised KPM #4 proposed -Percent of *Active* Mine Sites Inspected Annually

KPM#5 Customer Service

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• Percent of customers rating their satisfaction with the agency's customer service as "good" or "excellent" in six categories.



KPM#6 Governance

Board Evaluation Criteria

1) Executive Director's performance expectations are current

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- 2) Executive Director receives annual performance feedback
- 3) The agency's mission and high-level goals are current and applicable
- 4) The Board reviews the Annual Performance Progress Report
- 5) The Board is appropriately involved in review of the agency's key communications
- 6) The Board is appropriately involved in policy-making activities
- 7) The agency's policy option packages are aligned with their mission and goals
- 8) The Board reviews all proposed budgets
- 9) The Board periodically reviews key financial information and audit findings
- 10) The Board is appropriately accounting for resources
- 11) The agency adheres to accounting rules and other relevant financial controls
- 12) The Board members act in accordance with their roles as public representatives
- 13) The Board coordinates with others where responsibilities and interests overlap
- 14) The Board members identify and attend appropriate training sessions
- 15) The Board reviews its management practices to ensure best practices are utilized

 Percent of yes responses by Governing Board members to the set of best practices.

Report Year	2021	2022
Target	100%	100%
Actual	100%	100%

Agency Budget Overview

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General Fund

• Agency is provided balance, draws down over Biennium, and ends at or near zero.

MLRR Revenues (Other Funds – Fees)

- Revenues from permit applications, renewals, tonnage fees and cost-recovery.
- A small operating balance carries over from year-to-year.

GS&S Grants (Federal Funds and Other Funds)

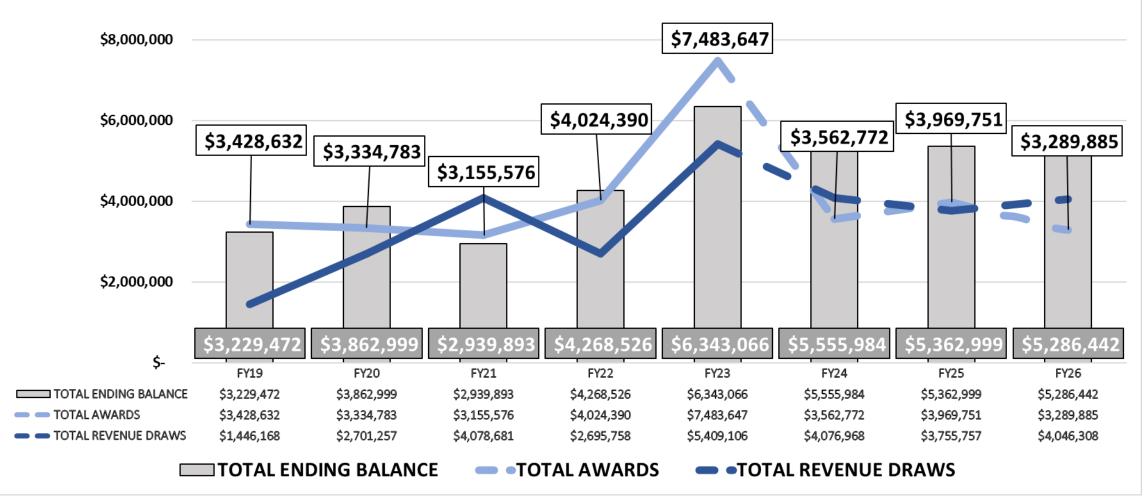
- Grant awards provide staff salary and research funds; new grants added each year as existing grants are drawn down.
- Grant award periods may cover several years.

GS&S Grant Activity

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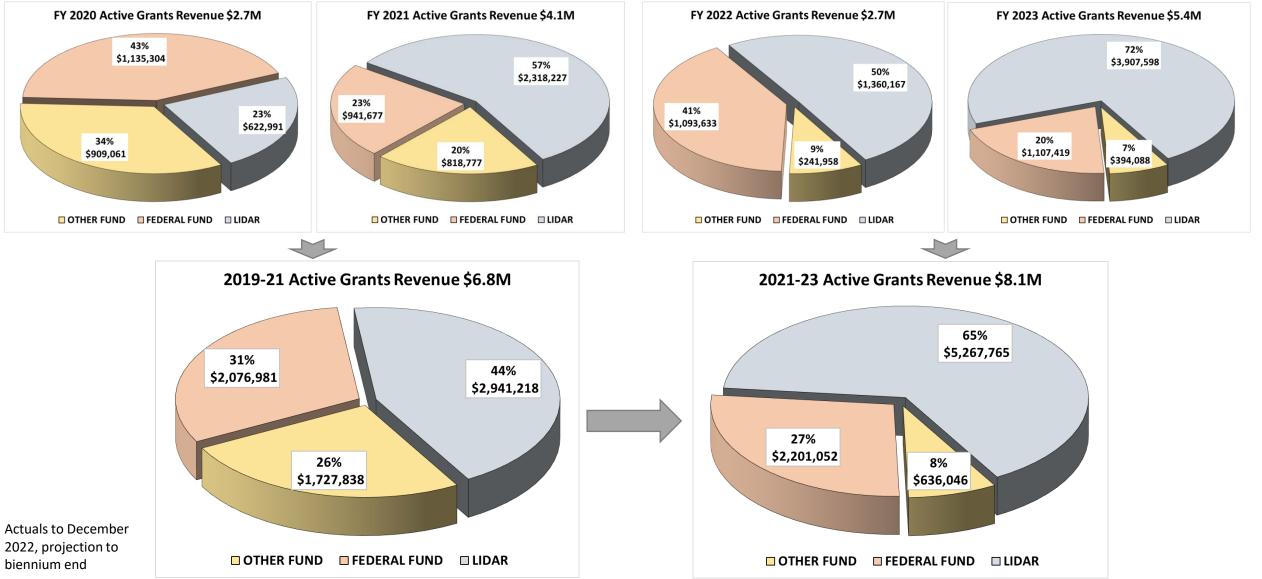
Actuals to December 2022, with forward looking projections



GS&S Grants Revenue - Funding Mix Trend

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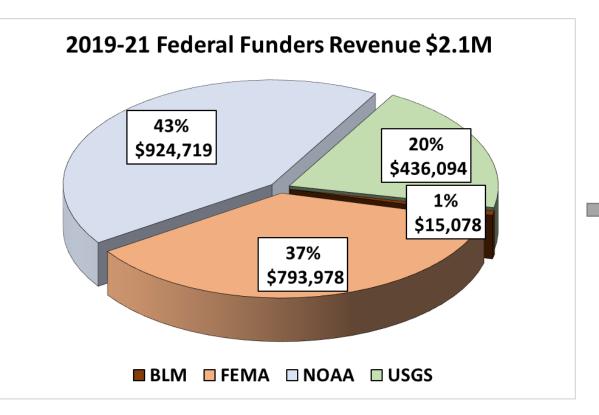


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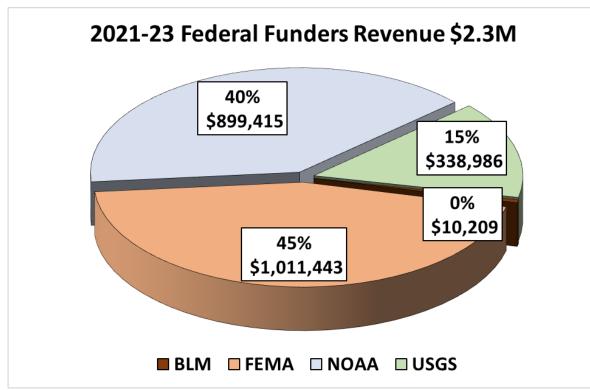
GS&S Non-Lidar Federal Fund Revenue - Funders Mix Trend

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Actuals to December 2022, projection to biennium end



Proposals pending funder decisions

- \$50k USGS Geologic Data Preservation (FY24)
- \$500k USGS STATEMAP Geologic Mapping (FY24)
- \$330k USGS Earth MRI Resource Mapping (FY24-26)
- \$350k DOE Carbon Sequestration Siting (FY24-25)

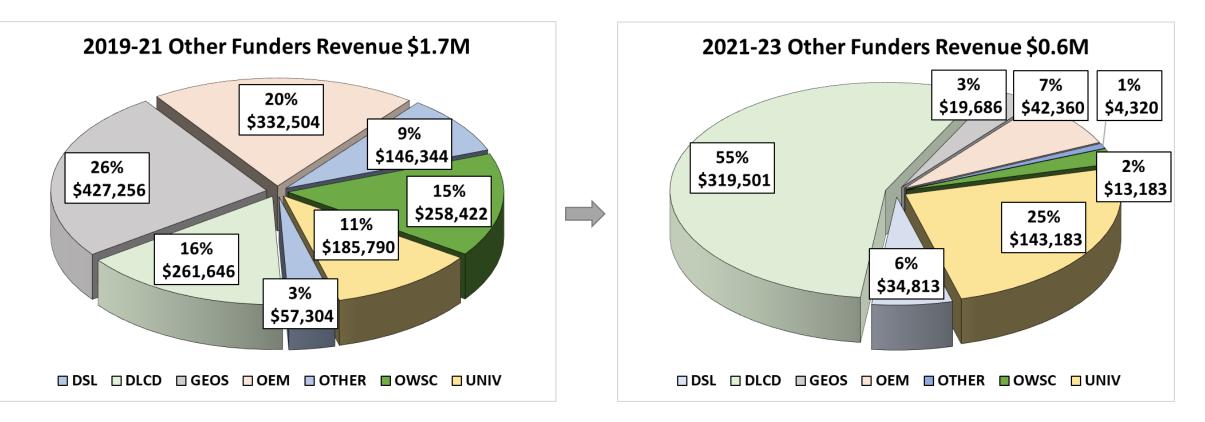


GS&S Non-Lidar Other Fund Revenue - Funders Mix Trend

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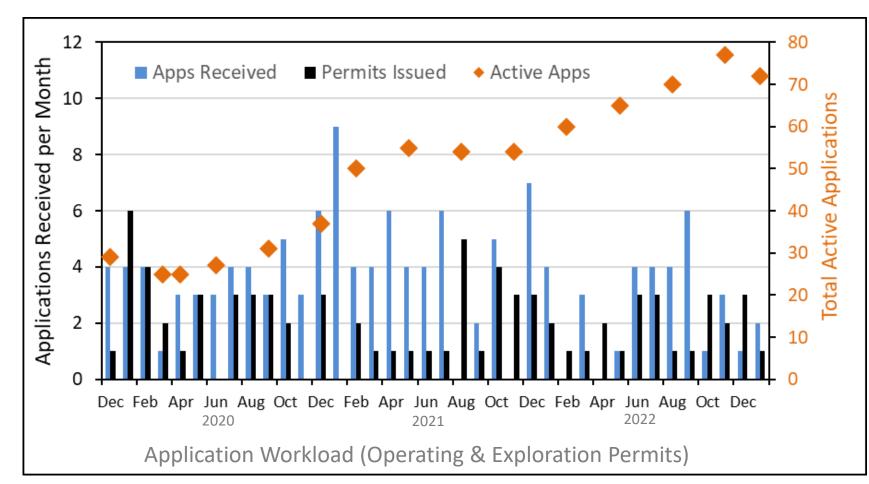


Actuals to December 2022, projection to biennium end



2021-23 Unresolved Issues Addressed by Policy Option Packages

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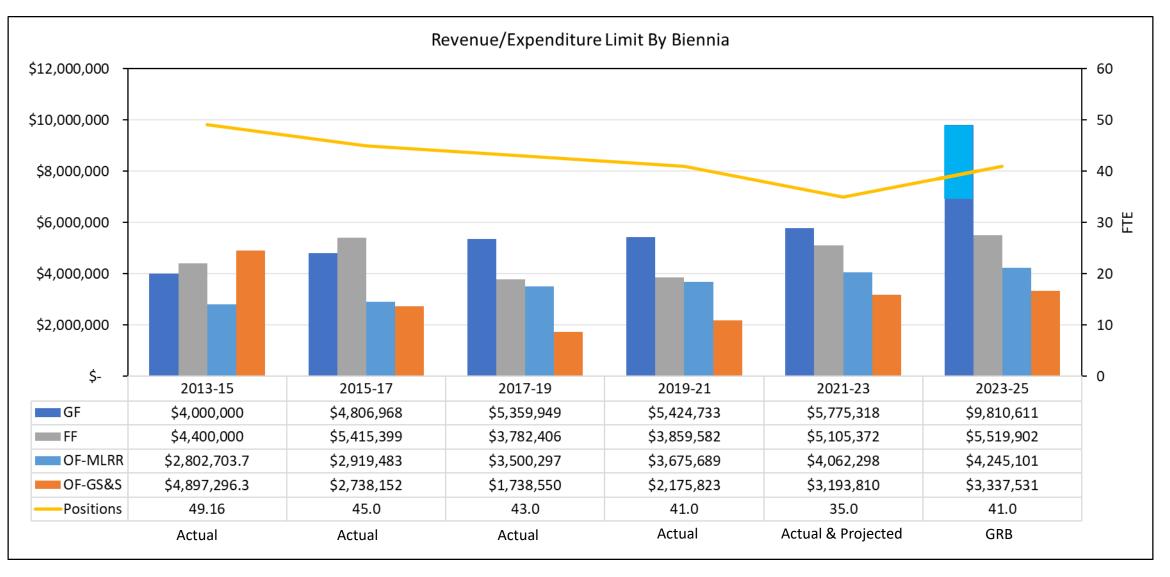
MLRR

- Permit applications outpace staffing levels
- Permittee and Staff frustration at backlog
- Continued applications anticipated with federal and state investments in infrastructure

Biennial Revenue History

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Budget Drivers, Risks & Information Technology

Information Technology:

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- ePermitting, modernize customer interface and improve customer service
- IT Resiliency Initiative

Budget Drivers:

- Build and Implement ePermitting
- Match Federal Funds
- Grow the Geologic Mapping Program focused on Water and Mineral Resources
- Address the needs of Oregonians through Agency KPMs

Risks:

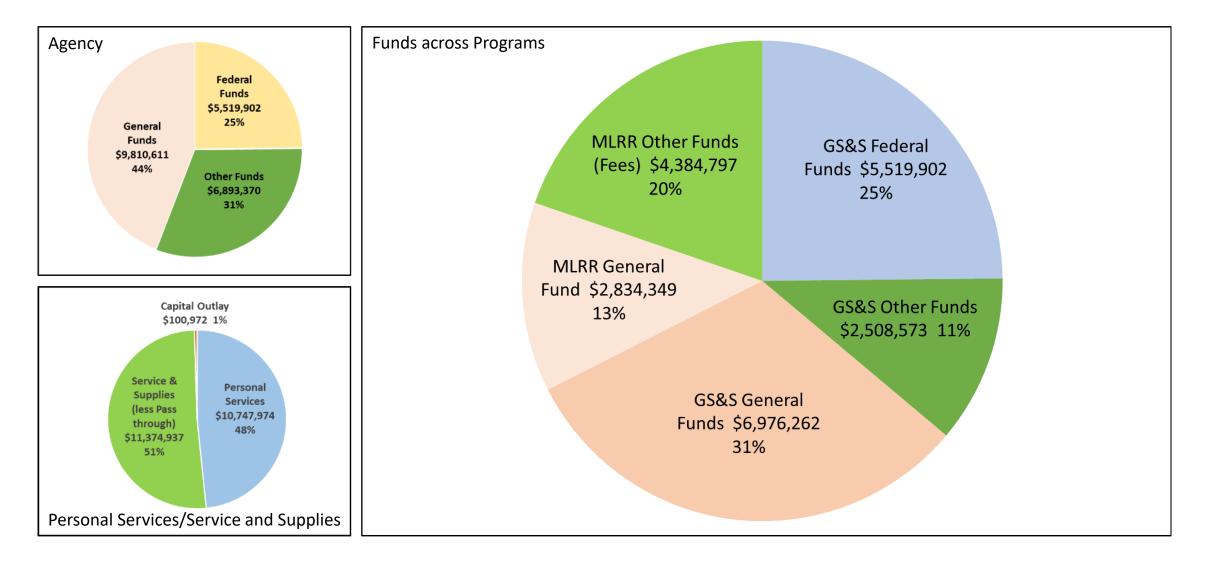
 Inability to match and leverage unprecedented levels of Federal Funds (Bipartisan Infrastructure Law, Inflation Reduction Act, US Dept Interior Appropriations funding in 2023)



Governor's Recommended Budget

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Policy Option Package 101: ePermitting & IT Modernization

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(Otigeton) (Sen	Submittals	
State Stat	D MY SUBMITTALS	(Pending Submitted) NEW SUBMITTALS (My Fangilies
ANNOUNCEMENT		Stormwater Construction: Apply for 1200-C NPDES General Permit
	Permits & Transaction History	
	MY ACTIVE PERMITS	TRANSACTION HISTORY
	No Record Found.	
5		
	Upcoming Obligations & Unpaid Submittals	
	NEW OBLIGATIONS	UNPAID SUBMITTALS

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Example of an online permitting portal

Solid business case built at legislative direction, using enterprise guidance, and leveraging existing state resources.

Goal: IT Modernization to develop online permitting and payment system (ePermitting)

Structure: General Fund to configure and build system. Fees modified (earliest 2025) to maintain system.

 Includes Vendor Contract and two staff positions (Project Manager & IT Systems Support Specialist)

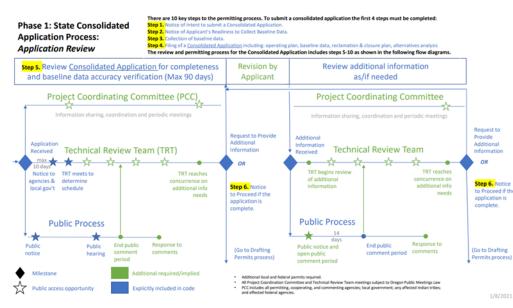
Results: Key Performance Measure (KPM) #4 – Percent of mine sites inspected and #5 – Customer Service

Revenue Sources:

• General Fund: \$2,000,0000



Policy Option Package 104: Consolidated Mining Permitting



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Flow chart for Phase 1 of Consolidated Mining Permit Process

Consolidated Mining Permitting is a complex multi-agency process led by DOGAMI requiring coordination and communication. **Goal:** Streamline Consolidated Mining Permitting. Consolidated Mining Permit requires inter-agency coordination and groundwork for future Consolidated Mining Permit.

Structure: FTE increase from 0.75 to 1.0. Funded via cost recovery

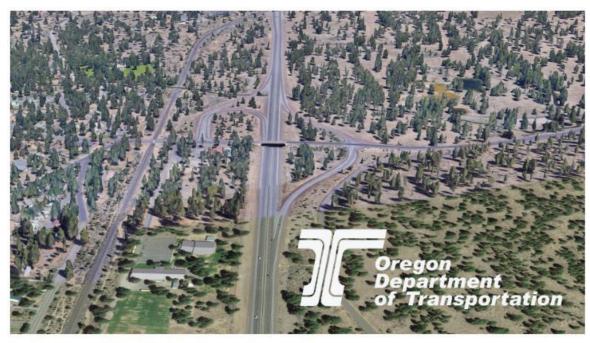
Results: Key Performance Measure (KPM) #5 – Customer Service

Revenue Sources:

• MLRR Other Fund (Cost Recovery): \$239,308



Policy Option Package 106: Infrastructure Permit Support



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ODOT to receive \$1 billion through federal infrastructure package

Short-term infrastructure spending will place additional pressure on application processing, potentially disrupting business as usual and long-term program improvements.

Goal: State agencies and mining industry anticipate increased need for aggregate materials in support of construction and infrastructure projects under State and Federal Infrastructure Investment.

Structure: General Fund request for LD positions to address workload and reduce permit timelines for all

 Includes two staff positions (Interagency Coordinator & Permit Reviewer)

Results: Key Performance Measure (KPM) #4 – Percent of mine sites inspected and #5 – Customer Service

Revenue Sources:

• General Fund: \$422,700

BY CENTRAL OREGON DAILY NEWS SOURCES | Sunday, November 7th 2021



Policy Option Package 107: Unpermitted Surface Mining



Qa 30.8 ± 0.5 Ma

~20% of MLRR staff time is spent responding to complaints and compliance issues around unpermitted or non-compliant mining operations.

Goal: Protect State resources. Current staff capacity limits enforcement to only the most egregious transgressions.

- State takes responsibility for protecting its resources
- Active permittees do not fund this compliance activity
- Allows existing staff to focus on permits/renewals

Structure: General Fund request for LD positions to address workload and level the playing field for compliant operators

 Includes two staff positions (Mining Compliance Coordinator & Permit Reviewer)

Results: Key Performance Measure (KPM) #4 – Percent of mine sites inspected and #5 – Customer Service

Revenue Sources:

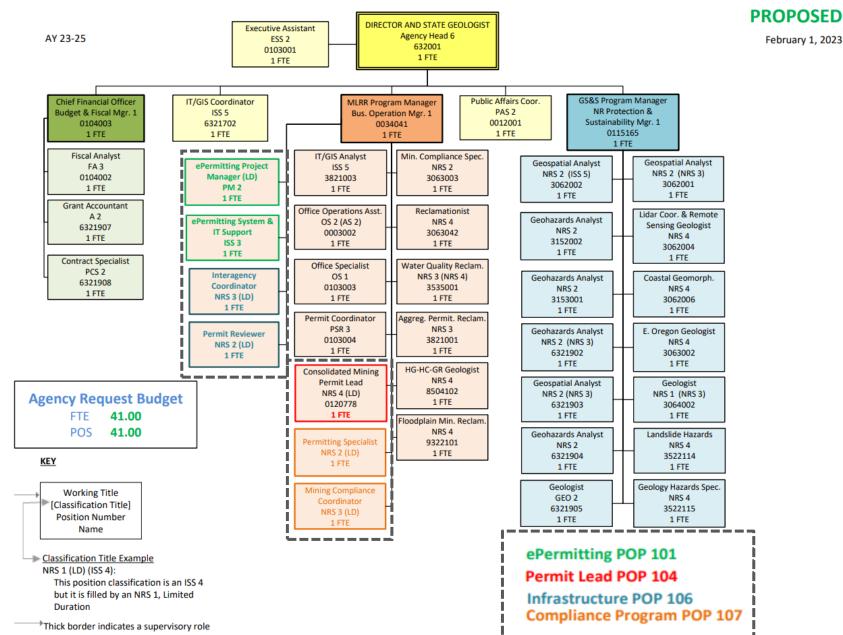
• General Fund: \$411,649



Legislation to Implement Governor's Request Budget

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Relating to the financial administration of the State Department of Geology and Mineral Industries; declaring an emergency.
Appropriates moneys from General Fund to State Department of Geology and Mineral Industries for biennial expenses.
Relating to the State Department of Geology and Mineral Industries electronic permitting system.
Establishes Electronic Permitting System Subaccount.
Relating to payments to State Department of Geology and Mineral Industries by credit card.
Authorizes State Department of Geology and Mineral Industries to accept payments by credit card and to add fee
to credit card transactions.
Relating to state agencies' acceptance of credit cards as payment.
Permits state agency to accept credit card as payment for charge or fee state agency imposes or collects for goods
or services state agency provides to individual who is member of public and to add surcharge to amount person
tenders to offset fees charged to state agency for accepting credit card as payment.



OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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February 1, 2023

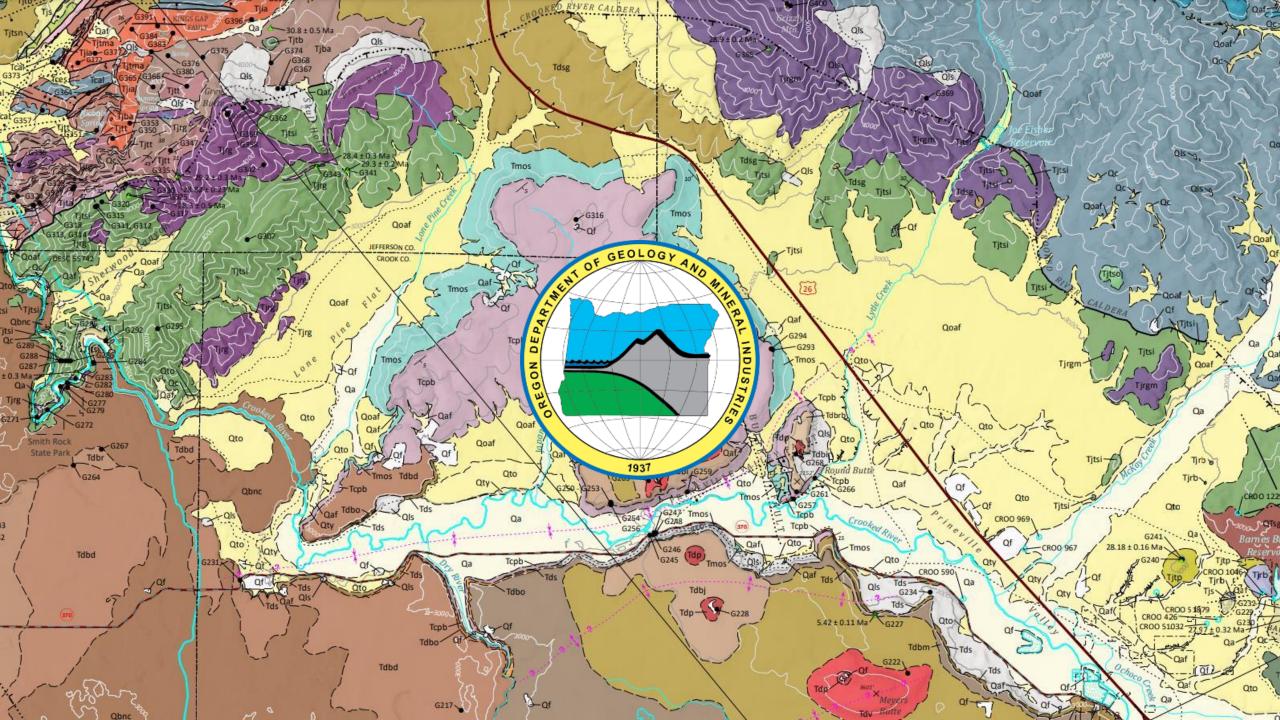
Budget Summary

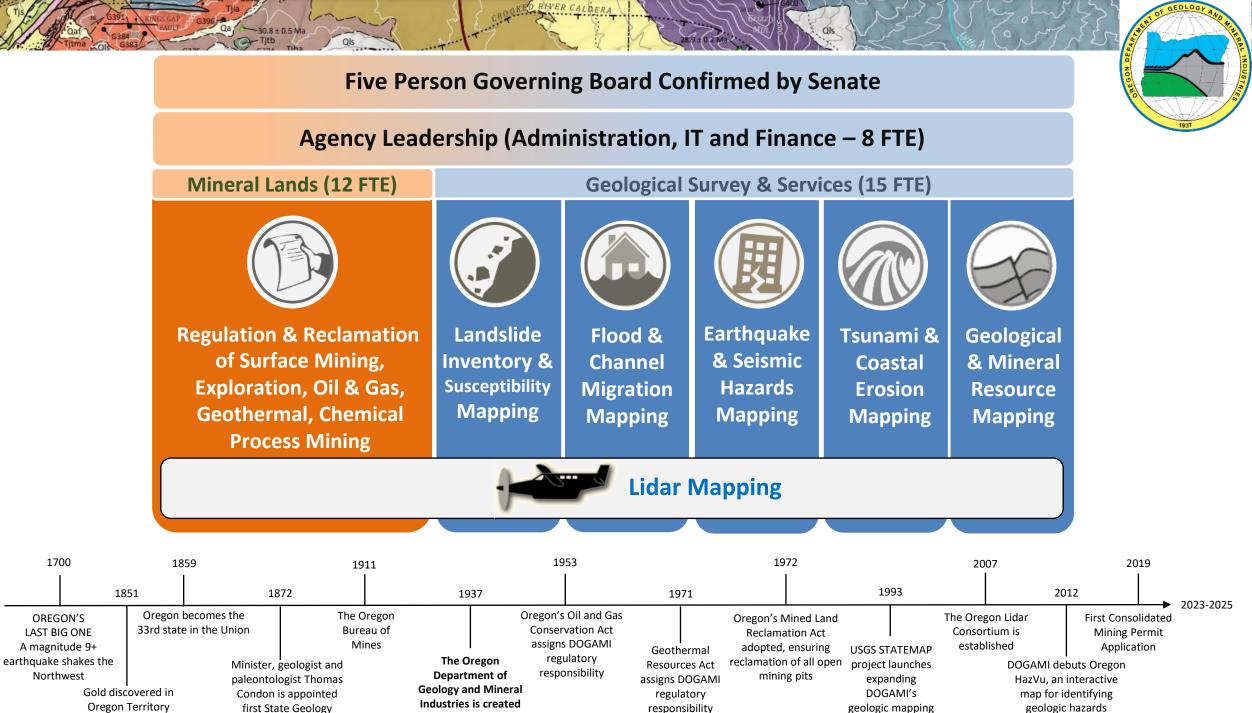
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2023-25 Governor's Request Budget seeks to:

- Maintain the agency strength in geological mapping and hazard mitigation
- Build IT infrastructure to enhance customer service and agency efficiency
- Enable critical infrastructure projects while protecting Oregon's resources



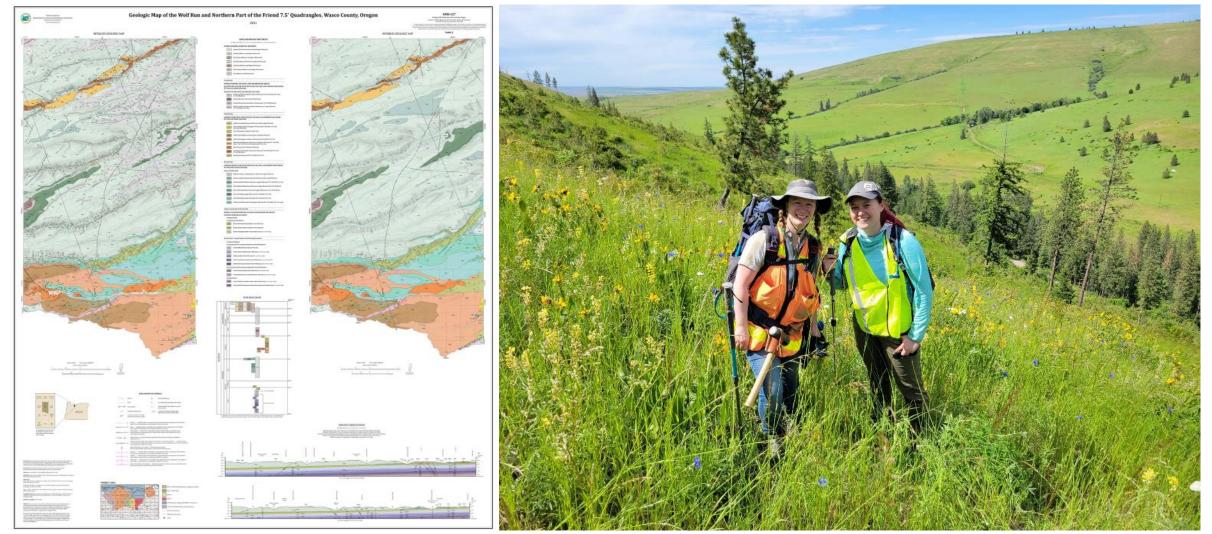




GS&S: Earth Science Focus Area

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Geologic Map from Wasco County

Geologic Mapping near Milton-Freewater (image curtesy of Katy Ely CTUIR)

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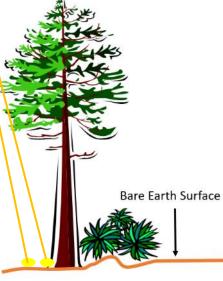
GS&S: Oregon Lidar Consortium

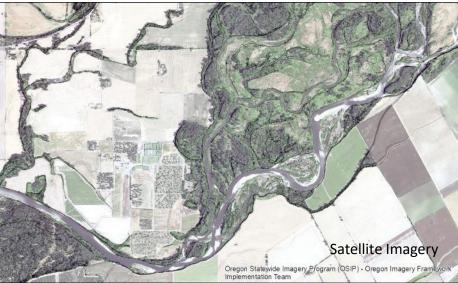
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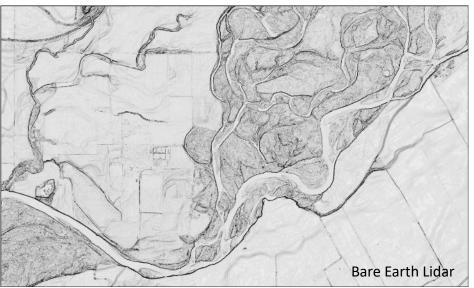
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Lidar, *Light Detection and Ranging*, uses light in the form of a pulsed laser to measure ranges (variable distances) to the surface Earth.

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North Santiam River near Wiseman Island



GS&S: Natural Hazards Focus Area

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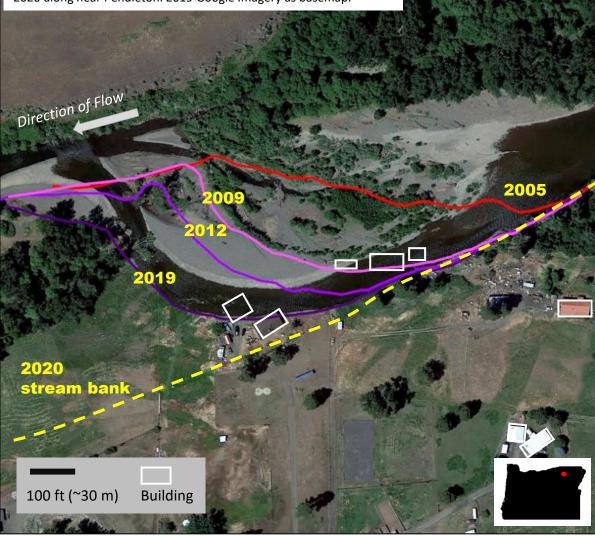
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Image: Appleby, C.A., unpublished. Umatilla River bank erosion 2005-2020 along near Pendleton. 2019 Google Imagery as basemap.





GS&S: Natural Hazards Focus Area

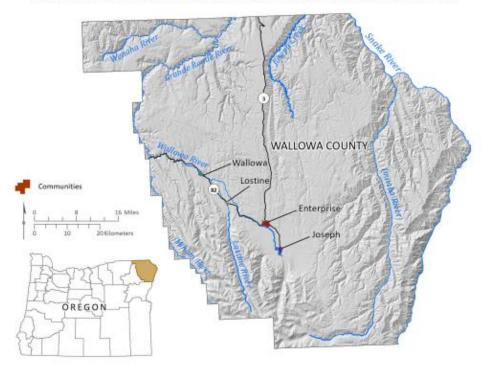
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MULTI-HAZARD RISK REPORT FOR WALLOWA COUNTY, OREGON

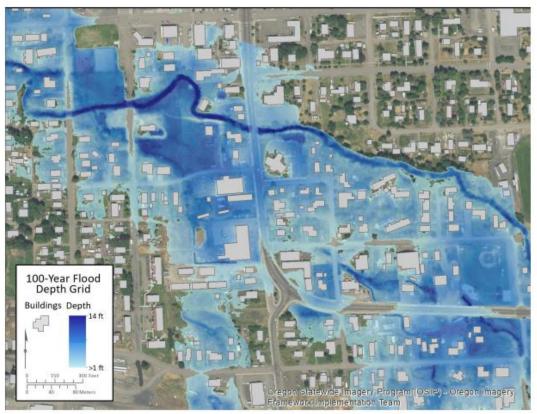
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Qa 30.8 ± 0.5 Ma

INCLUDING THE CITIES OF ENTERPRISE, LOSTINE, JOSEPH, AND WALLOWA



Flood depth grid example in the City of Enterprise, OR



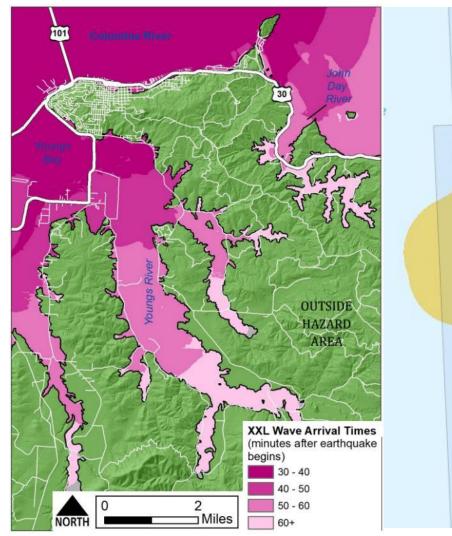


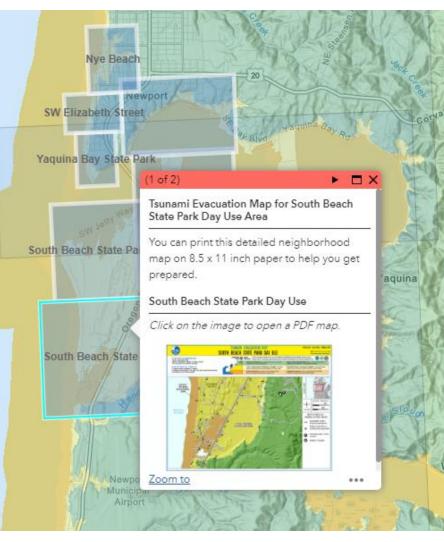
GS&S: Natural Hazards Focus Area

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Evacuation Route Plans



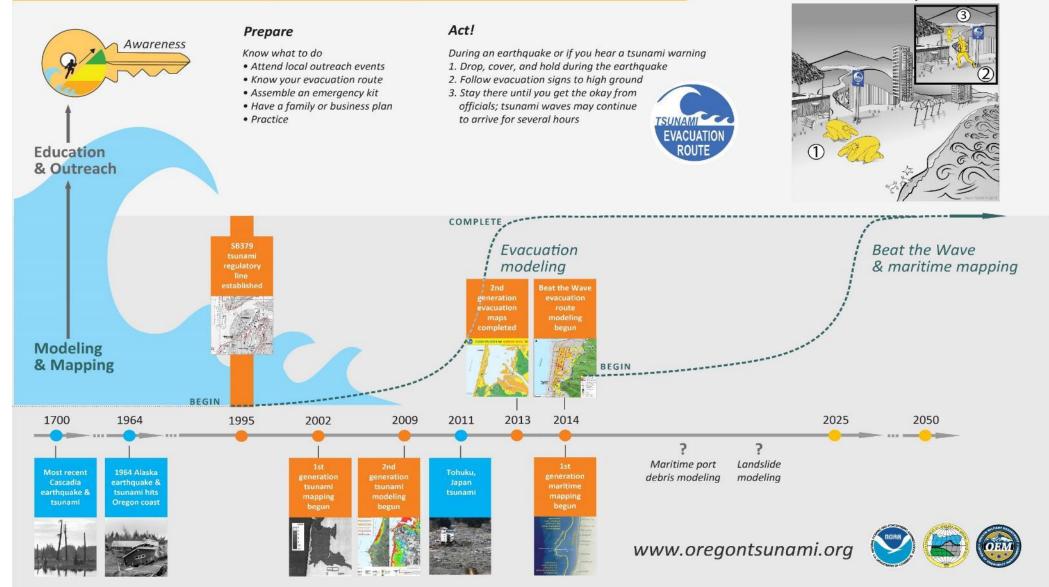


Goal: instinctive response

Oregon's Tsunami Program Building a Culture of Awareness

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