

Minutes of the
Thursday, January 18, 2024 meeting of the
State Interagency Hazard Mitigation Team (State IHMT)

Meeting location: This meeting was remote-only.

1) Welcome

At 9:02 a.m. Oregon Department of Emergency Management Director Erin McMahon thanked everyone for getting together and extended a welcome to this quarter's meeting of the State IHMT.

2) Introductions

Joseph facilitated introductions using the Zoom meeting chat.

The following 32 people participated in the meeting:

| | |
|--|---------------------|
| Governor's Office, State Resilience Officer | Jonna Papaefthimiou |
| Department of Administrative Services (DAS) | Jennifer Potter |
| Department of Environmental Quality (DEQ) | Don Pettit |
| Division of Financial Regulation (DFR) | Craig Vattiat |
| Dept. of Geology and Mineral Industries (DOGAMI) | Bill Burns |
| Dept. of Land Conservation and Development (DLCD) | Matt Crall |
| | Rhiannon Bezore |
| | Gianna Alles |
| | Trisha Patterson |
| | Chris Shirley |
| | Cynthia Smidt |
| | Deanna Wright |
| | Katherine Daniel |
| | Marian Lahav |
| | Susan Millhauser |
| Oregon Dept. of Emergency Management (OEM) | Erin McMahon |
| | Stephen Richardson |
| | Anna Feigum |
| | Althea Rizzo |
| | Mike Crop |
| | Jason Gately |
| | Joseph Murray |
| | Ross Ziesemer |
| Oregon Department of Fish and Wildlife (ODFW) | Nancy Taylor |
| Oregon State Fire Marshal (OSFM) | Chris Sutton |
| Department of State Lands (DSL) | Mike De Blasi |
| Burns Paiute Tribe | Suzanne Settle |
| Confederated Tribes of the Coos, Lower Umpqua and Siuslaw Indians | Armando Martinez |
| Federal Emergency Management Agency (FEMA) | Christine Brown |
| | Mary DeBacker |
| U.S. Army Corps of Engineers (USACE) | Paul Sclafani |
| U.S.D.A. Forest Service | Sara Wall |

3) Act on draft minutes from the October 19, 2023 meeting

Stephen facilitated. Cynthia moved the minutes as drafted and Bill offered a second.

4) Report from Landslide Mitigation Subcommittee (Oregon Landslide Risk Reduction Team, OLRRT)

Bill talked from the three slides displayed as follows.

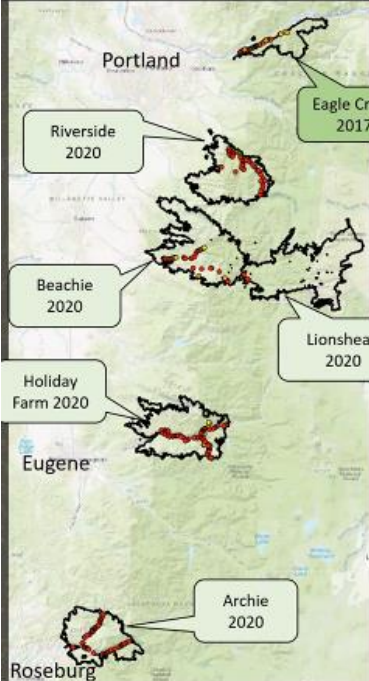
Field Work After Storms

- Seasons: 2020-21, 2021-22, 2022-23, 2023-24
- Fieldwork: yes/no debris flow occurrence, field notes, photos. Arc Collector
- Desktop GIS: correct the point locations, add attributes, add initiation point, transport line, and deposition if possible.




Burns, 2023

Results

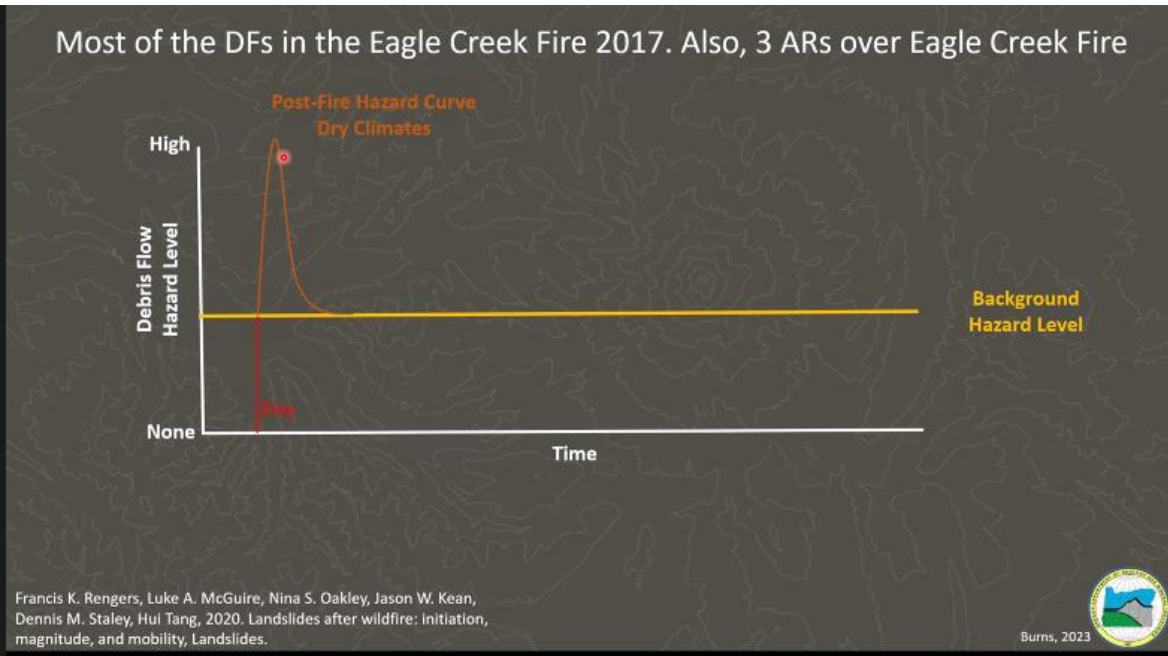


- 2020-21**
315 total points
 - 35 debris flows
 - 19 flood scour, 6 rockfall / 19 shallow landslides
 - 226 no response
- 2021-22**
335 total points
 - 23 debris flows
 - 34 flood Scour, 4 Rockfall / 14 Shallow Landslides
 - 233 No Response
- 2022-23**
~50 total points
 - ~10 debris flows, still pulling this data together

(USGS, 2017; Burns and Calhoun, 2022, unpublished)



Burns, 2023



Bill would like us to create a landslide emergency response plan. He is working with Sarah Puls of the Oregon Department of Emergency Management on this idea. In response to a question, Bill said that debris flows are primarily produced by heavy precipitation events, but he expects not so much by a Cascadia Subduction Zone (CSZ) event.

5) Oregon Post-Fire Research and Monitoring Collaborative

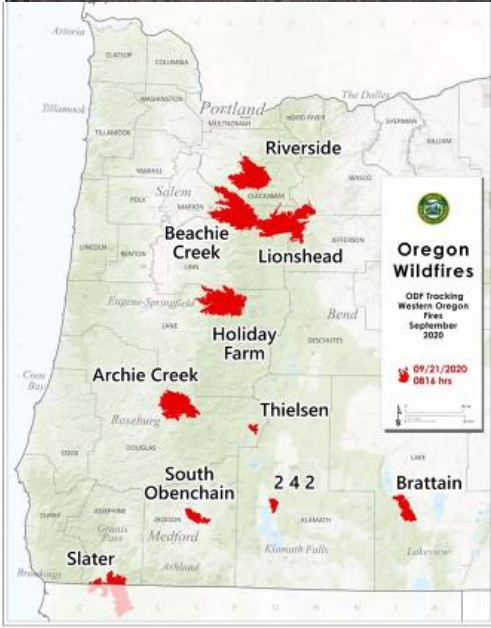
Sara also had a presentation, pasted-in as follows.






Background

Following the 2020 Labor Day Fires in Oregon:








- Originally operated as an element of the Oregon Governor's Natural and Cultural Resources Recovery Task Force
- State and federal agencies, universities, and Tribes formed a collaborative to coordinate post-fire research and monitoring

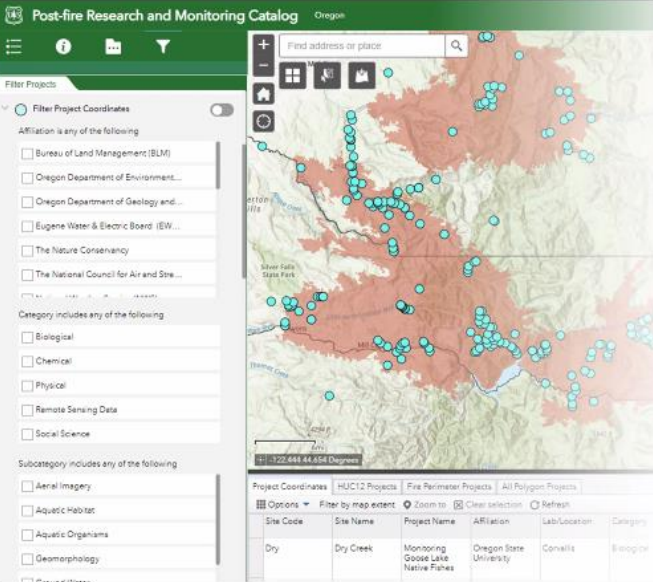


Team Goals

-  Increase awareness among those conducting post-fire research and monitoring work in Oregon
-  Promote collaboration across agencies and other groups
-  Promote the leveraging of resources across agencies and other groups responsible for post-fire research and monitoring

Team Goals

-  Increased awareness
 -  Science Team Meetings and Lightning Talks
-  Promote collaboration
 -  Post-fire Catalog
-  Leveraging of resources
 -  Post-fire Playbook
 -  Post-fire Symposium

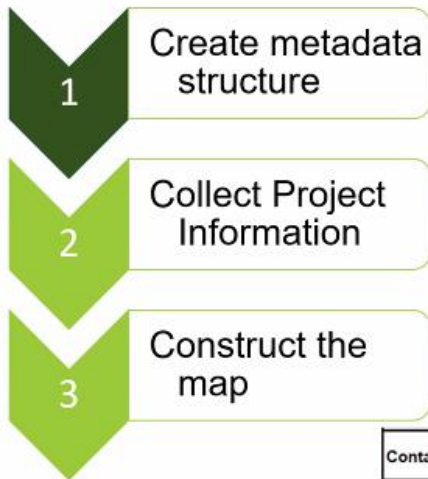


| Site Code | Site Name | Project Name | Affiliation | Lab/Location | Category | Status |
|-----------|-----------|-------------------------------------|-------------------------|--------------|------------|--------|
| Dry | Dry Creek | Monitoring Goose Lake Native Fishes | Oregon State University | Corvallis | Biological | Active |

Post-Fire Catalog

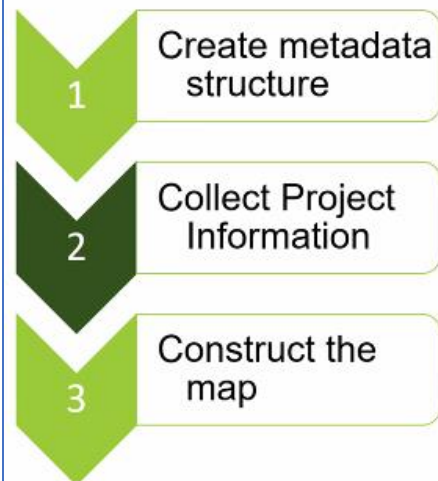
- Geospatial catalog of post-fire research and monitoring activities in Oregon since the 2020 wildfire season
- Who is doing what where?
- Hosted as an interactive web map
 - Provide information about research and monitoring work that is easy to query, filter, and search

Post-Fire Catalog



| Field | Definition | |
|--|--|--|
| Location | Lat | If your study site locations can be described using a coordinate include the Latitude of study site or research area. Please report latitude in decimal degrees . |
| | Long | If your study site locations can be described using a coordinate include the Longitude of study site or research area. Please report longitude in decimal degrees . |
| | Wildfire Name | If the spatial extent of your project is better defined by the wildfire perimeter, include the name of the wildfire(s) |
| | HUC12 | If the spatial extent of your project is better defined by the watershed, include the HUC12 in which your study takes place. |
| <small>Other Code: _____ (If you have a specific code, include it in this field.)</small> | | |
| Affiliation | Agency or Organization Name | |
| Lab/Location | If relevant, specify your more specific affiliation (e.g. University lab, agency department, research station, etc.) | |
| You can choose multiple for each of these fields | Category | Broadest research/monitoring field category: Biological, Physical, Chemical, Social Science, or Remote Sensing. You may select multiple if applicable. |
| | Subcategory | Research/monitoring subcategory. Select one subcategory for your research or monitoring if possible. If applicable, select more than one subcategory to accurately capture the research and monitoring work. All options for subcategories can be found under the Categories & Keywords tab |
| | Keywords | Identify which research or monitoring keywords can be used to best describe your work. Keyword options can be found under the Categories & Keywords tab. You may choose as many keywords to include as necessary to adequately describe the research or monitoring effort. Separate all keywords entered into the field by a comma. |
| <small>Include any additional notes about the work that was not touched on in the other fields. This</small> | | |
| Contact Name | Name of contact person for this project. | |
| Email | Contact person's email address. | |

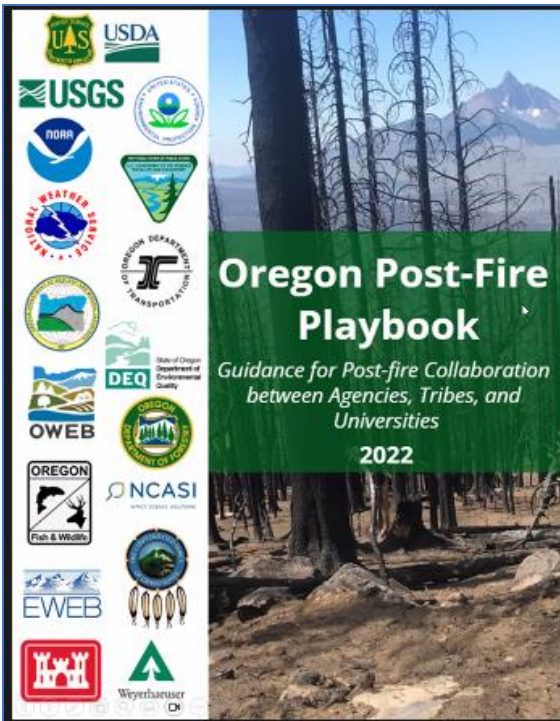
Post-Fire Catalog



| Affiliation | Lab/Location | Category | Subcategory |
|--|---|---|-------------------------------|
| Oregon State University | Conville | Biological | Aquatic Organisms |
| Oregon State University | Conville | Biological | Aquatic Organisms |
| USDA-FS | RE, Conville | biological, chemical, physical, Remote Sensing Data | Aquatic Habitat, Aquatic Org |
| USDA-FS | RE, Conville | biological, chemical, physical, Remote Sensing Data | Aquatic Habitat, Aquatic Org |
| USDA-FS | RE, Conville | biological, chemical, physical, Remote Sensing Data | Aquatic Habitat, Aquatic Org |
| USDA-FS | RE, Conville | biological, chemical, physical, Remote Sensing Data | Aquatic Habitat, Aquatic Org |
| USDA-FS | RE, Conville | biological, chemical, physical, Remote Sensing Data | Aquatic Habitat, Aquatic Org |
| Oregon State University | Conville | Biological | Aquatic Organisms |
| Oregon State University | Conville | Biological | Aquatic Organisms |
| Oregon State University | Conville | Biological | Aquatic Organisms |
| USFS PRW Research Station | Pacific Wetland Fire Sciences Lab (Seattle) | Biological | Terrestrial and Riparian Vege |
| Oregon State University | Conville | Biological | Aquatic Organisms |
| Rogue Valley Council of Governments, DEQ | Apex Labs -Tigard, OR, APPL Labs -Clatski, CA, City of Medfo... | Chemical, Physical | Surface Water |
| Rogue Valley Council of Governments, DEQ | City of Medford Wastewater Reclamation Facility, Central P... | Chemical, Physical | Surface Water |
| Rogue Valley Council of Governments, DEQ | City of Medford Wastewater Reclamation Facility, Central P... | Chemical, Physical | Surface Water |
| Rogue Valley Council of Governments, DEQ | City of Medford Wastewater Reclamation Facility, Central P... | Chemical, Physical | Surface Water |

Contributions from 37 different research and monitoring groups


- We collected coordinate and polygon spatial information
- The map contains **over 600 unique sites or polygons** that represent research and monitoring taking place associated with the 2020 Oregon wildfires



Post-Fire Playbook

Goal: promote collaboration by identifying the post-fire research and monitoring done by different entities

- Outlining the current post-fire research and monitoring capacity of each group.
- Identifying the resources each group has that could be leveraged by others
- Identifying contacts at each group doing post-fire research and monitoring work.



National Weather Service

Provide weather, water, and climate data, forecasts, warnings, and impact-based decision support services for the protection of life and property and enhancement of the national economy.

Overview

The National Weather Service (NWS) provides weather, water, and climate forecasts and warnings for the United States, its territories, adjacent waters, and ocean areas. These services include forecasts and observations, warnings, impact-based decision support services, and education to build a "weather-ready" nation. The goal of the NWS is to have a society that is prepared for and responds to weather events. NWS forecasts, warning, and data products form a national information database and infrastructure used by other governmental agencies, the private sector, and the public to inform decision making.

Post-fire Priorities

- Collect burn severity data using NWS satellite data
- Monitor for storm events that could result in post-fire debris flows and flash flooding

Key Post-fire Questions

- What are the rainfall thresholds for debris flows in Oregon and how do the thresholds change after a fire?
- When debris flows occur, where were they initiated and what was the initiating storm intensity? What were the consequences?

Examples of post-fire work

- Work in partnership with the USGS Post-fire Hazards Team and Burned Area Emergency Response Team to evaluate burn severity post-fire and to identify post-fire debris flow hazards.

Data Resources

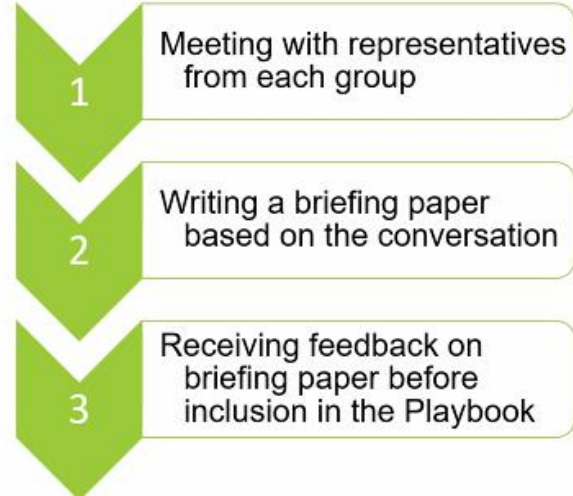
- Extensive radar and satellite data available at: radar.weather.gov. These data include current weather, weather records, and forecasting.
- Realtime Multi-Radar Multi-Sensor (MRMS) data, including MRMS-estimated rainfall rates and MRMS Flooded Locations and Simulated Hydrographs (FLASH) products
- Automated rain gauges over and near burn scars

Contacts

Tyler Krans, Meteorologist, tyler.krans@noaa.gov

Tanja Fransen, Meteorologist in Charge, tanja.fransen@noaa.gov

Post-Fire Playbook



Sara said that 19 different groups are represented in the Playbook. It is not yet published, but Sara would share a draft and/or add new entities.

Post-Fire Playbook

19 groups currently represented:

- Confederated Tribes of Grand Ronde
- Confederated Tribes of Warm Springs*
- Eugene Water and Electric Board
- National Council for Air and Stream Improvement
- National Weather Service
- Oregon Department of Environmental Quality
- Oregon Department of Fish and Wildlife
- Oregon Department of Forestry
- Oregon Department of Geology and Mineral Industries
- Oregon Department of Transportation
- Oregon Water and Electric Board
- Universities
- US Army Corps of Engineers
- US Bureau of Land Management
- US Environmental Protection Agency: Region 10
- US Environmental Protection Agency: Research and Development
- US Forest Service: PNW Research Station
- US Forest Service: Post-disturbance Restoration Team
- US Geological Survey

**Briefing paper is in review*

- 1 Meeting with representatives from each group
- 2 Writing a briefing paper based on the conversation
- 3 Receiving feedback on briefing paper before inclusion in the Playbook

Post-fire landscapes: What can they tell us?

Oregon Post-Fire Research and Monitoring Symposium

Event Details

February 7-9, 2023

LaSells Stewart Center, OSU, Corvallis, Oregon or join us virtually

Cost: FREE! A meeting management package will be signed by the Regional Forester to support attendance of Forest Service employees.

Corvallis Hotels: Click [here](#) to learn more. We will not be holding a block of rooms.

RSVP by January 15, 2023 to attend in person or via weblink. To RSVP click [HERE](#).

Interested in presenting a talk or a poster? Submit your abstracts by clicking [HERE](#). Submissions are due November 30, 2022.

The agenda will be finalized and sent out by early January, 2023.

Symposium Goals

- To provide an opportunity for scientists to **share what they are learning or hoping to learn from recent westside Oregon fires.**
- To provide an opportunity for practitioners and policy makers to **begin discussions on how new discoveries can inform future decisions.**
- To **promote collaboration** between institutions and agencies involved in post-fire research and monitoring.

Outcome

- A **shared understanding** of on-going research and monitoring, which can be used to **identify opportunities for collaboration, gaps in knowledge, and new approaches to management.**

Target Audience

- Natural resource professionals, science providers, policy makers, and others interested in this topic.

The event will also be live streamed and recorded for later viewing!

Post-Fire Symposium

- 38 speaker presentations and 3 panels
- 45 poster presentations
- ~750 participants attended some portion of the conference, with nearly half in person
- Recordings are uploaded on the NW Fire Consortium Webpage
- Symposium Summary Report by EPA currently in review

Sara noted that turnout for this event was great. The presentations are online at the Consortium webpage. Bill commented that the recordings of the Symposium are fantastic.

<https://www.fs.usda.gov/research/pnw/products/dataandtools/datasets/postfire-catalog-research-and-monitoring-projects-after-2020>

6) Update on the National Flood Insurance Program (NFIP) in Oregon, and Oregon Silver Jackets (the Flood Mitigation Subcommittee to the State IHMT)

Deanna talked first, briefly summarizing the FEMA grant that funds her work, and explaining what a CAC¹ and CAV² is. She noted her work with local planners and floodplain administrators, which sometimes result in revised code or standard operating procedures at the local level. These visits to local communities also provide rapport and education. Deanna also noted the quarterly newsletter she produces which is available via GovDelivery.³ There is also an Oregon floodplain managers group that meets quarterly.

She gave a quick update on the Oregon BioOp.⁴ The full draft Environmental Impact Statement (EIS) is expected summer of 2024 with implementation in 2025. DLCD is a cooperating agency.

Paul then gave a brief Flood Mitigation Subcommittee update noting work on Santiam and Sandy watershed remapping (hydraulic analysis), and watershed analysis work above Heppner. USACE also continues to help FEMA with floodplain remapping in Umatilla County. Paul then gave an overall summary of the kinds of things that Silver Jackets does, and asked people to reach out to Deanna or him. He also talked about the assistance Silver Jackets is giving to Chris Shirley on the flood aspects of the State Risk Assessment Upgrade Project.

7) Update on local-tribal mitigation work being done by DLCD, OPDR, and DOGAMI

Susan provided a summary table.⁵ She noted her focus on mitigation planning wildfire and – at the moment – is also focused managing the work that DLCD does on local and tribal mitigation planning. She then shared her screen and provided highlights from the summary table, including giving an overview of OPDR projects for Michael Howard who couldn't be here today.

She noted the approval of the La Grande NHMP on January 7 and the nexus with a HHPD Rehabilitation Grant and OWRD.

She also talked about the critical need to get Community Wildfire Protection Plans (CWPPs) updated. Stephen mentioned the workgroup he has been running on CWPPs.

8) Report from the Climate Change Adaptation Framework Implementation Team (CCAFIT)

Chris simply said that the CCAF⁶ is under review and will be released within the month. In the chat and verbally Chris invited everyone to her Friday meetings.⁷

¹ FEMA guidance notes that “the CAC is a telephone call or brief visit to an NFIP community for the purpose of establishing or re-establishing contact to determine if any program-related problems exist and to offer assistance.”

² FEMA notes that “the CAV is a visit to a community by a FEMA staff member or staff of a state agency on behalf of FEMA that serves the dual purpose of providing technical assistance to the community and assuring that the community is adequately enforcing its floodplain management regulations.”

³ https://public.govdelivery.com/accounts/ORDAS/subscriber/new?topic_id=ORDAS_118

⁴ https://www.fema.gov/sites/default/files/documents/fema_draft-oregon-implementation-plan_10052021.pdf and <https://www.fema.gov/about/organization/region-10/oregon/nfip-esa-integration>

⁵ The summary table was attached to the calendar invitation for this meeting.

⁶ <https://www.oregon.gov/lcd/cl/pages/adaptation-framework.aspx>

⁷ Climate Change Adaptation Framework Implementation Team, Friday 10:00 am calls: <https://us02web.zoom.us/j/81253291216?pwd=N3FwaWltc1IYnFiQlJieHhtdERHdz09>

9) Overview of 2023 HMA post-disaster; update on HMGP-PF-FM-5457-OR

Anna gave an overview of what happened during 2023 and talked about an upcoming grant round. She displayed the following slideshow:

Overall Subgrant Status Breakdown

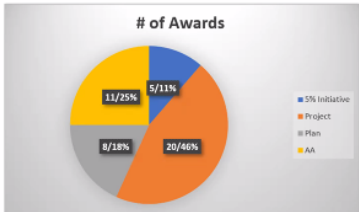
- 4 in OEM subapplication review – 1 grant
- 55 in FEMA subapplication review – 7 grants
- 91 Awarded – 11 grants
- 8 in Closeout – 4 grants

- Currently: \$161,457,957.13 in federal funds over 12 grant rounds

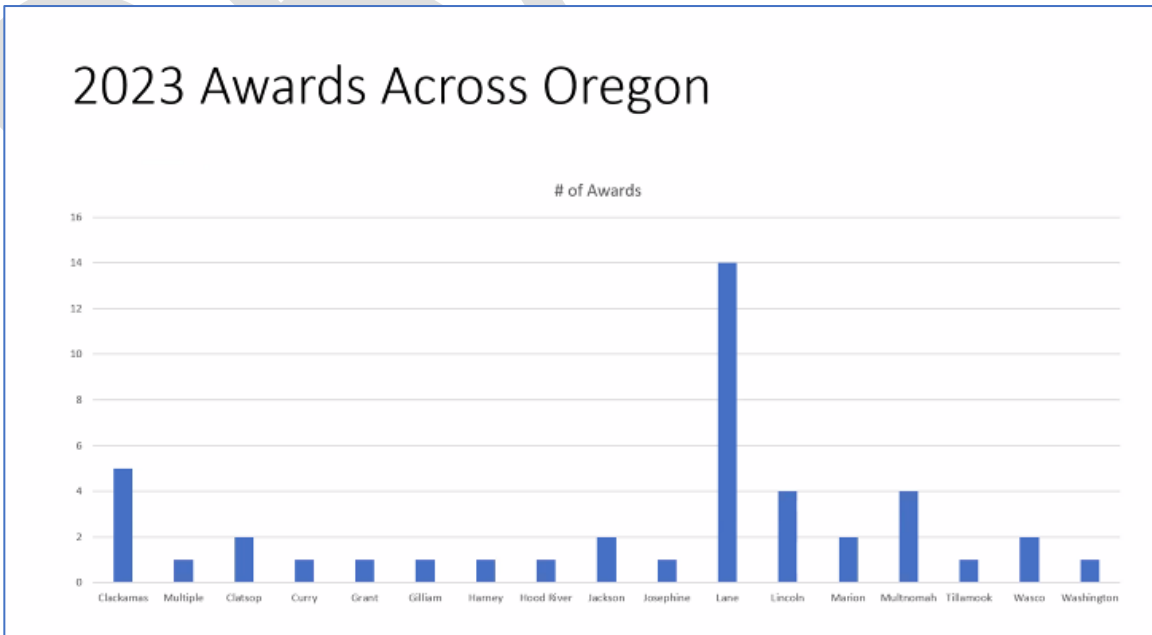
2023 Subgrants

- 44 Awarded – 8 grants
- \$21,385,479.21 in federal funds

- Quite a few withdrawals
 - 8 grant rounds 2020-2023
 - Elongated award timeline
 - Local capacity/turnover
 - Additional state funds available



| Award Type | Count | Percentage |
|---------------|-------|------------|
| 5% Initiative | 5 | 11% |
| Project | 20 | 46% |
| Plan | 8 | 18% |
| AA | 11 | 25% |



The following grant round is pending.

HMGP-PF-FM-5457-OR Funds Available

| Plan Type | Last 10 Year Average Obligations >\$100,000 (adjusted for inflation) |
|---------------------------------------|--|
| | \$6,125,161 |
| Standard (15% of the 10-year average) | \$918,774 |
| Enhanced (20% of the 10-year average) | \$1,225,032 |

| HMP Type | 5446 FMAGs | Total Fed Funds, FFY 2023 |
|----------|------------|---------------------------|
| Enhanced | 3 | \$2,756,322 |
| Standard | 3 | \$3,675,096 |

Difference: \$918,774

HMGP-PF-FM-5457-OR

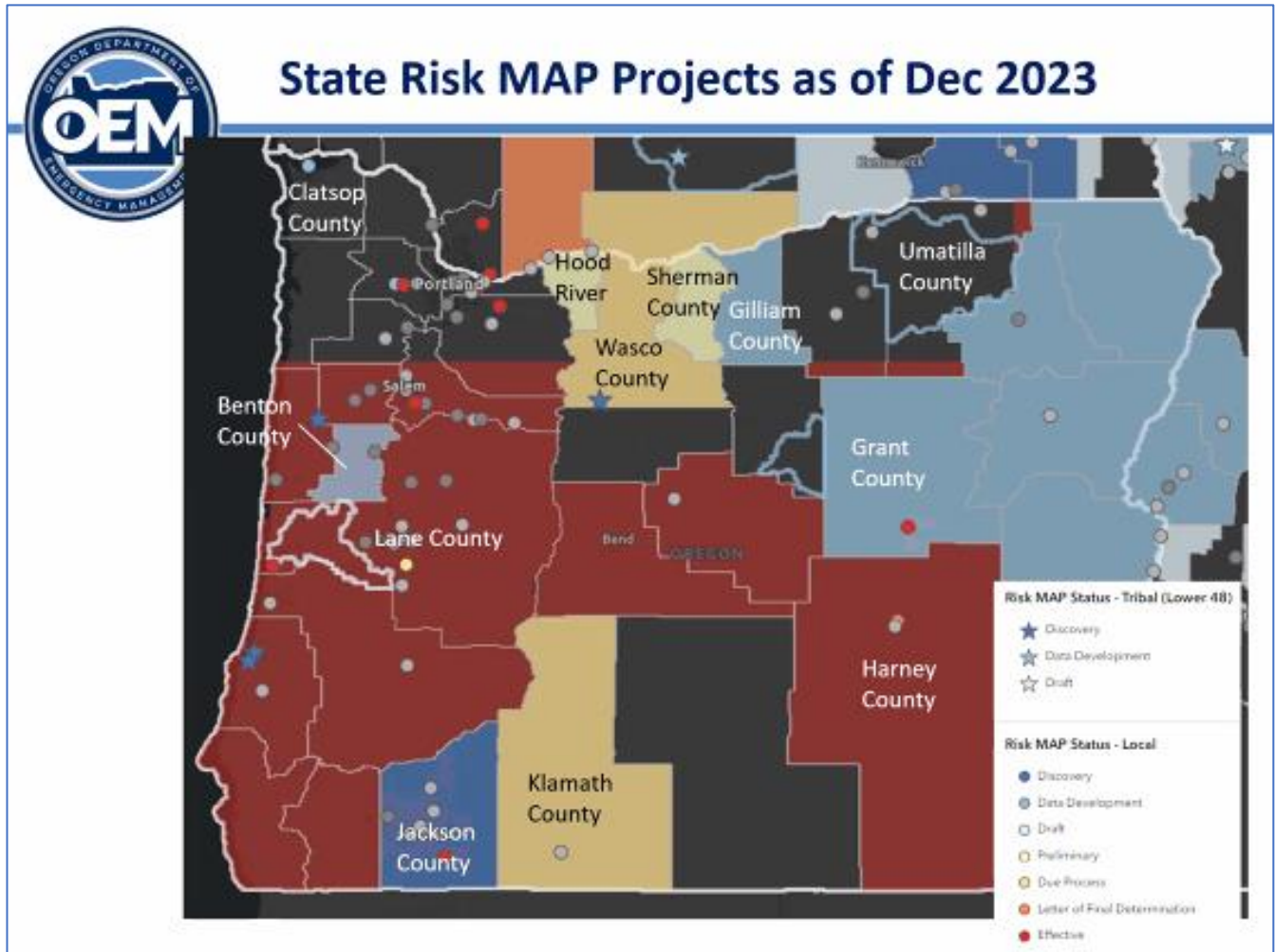
Disaster-Related Dates & Information

| | |
|--|---|
| Incident Period | Sep 9, 2022+ |
| Type of Incident | 3 Fire Management Assistance Grants (FMAGs), FM-5457 (Cedar Creek Fire), FM-5471 (Golden Fire), & FM-5483 (Liberty Fire) |
| Declaration Date/Pre-award Costs Start Date | January 27, 2023 (First FMAG declaration – FM-5457 Cedar Creek Fire) |
| Directly Affected Areas | Lane, Klamath, & Marion Counties |
| Total Federal Funds Available | \$2,756,322 |
| Federal Funds Available by Proposal Category | <ul style="list-style-type: none"> • Projects: \$1,598,666.76 • Planning: \$192,942.54 • 5 Percent Initiative: \$137,816.10 • 5 Percent Codes and Standards: \$137,816.10 • Advance Assistance (AA): \$689,080.50 |
| Cost Share | 75% Federal; 25% Non-Federal |

Updated HMA Guidance

- [Hazard Mitigation Assistance Program and Policy Guide](#)
 - March 23, 2023
 - HMGP-PF-FM-5457-OR
- [Summary of Changes](#)
 - POP: 36 to 48 months
 - Clarifying language & additional information
 - 2015 Guidance: “water quality infrastructure”
 - 2023 Guidance: “Projects that address water quality improvement without mitigating hazards to water quality infrastructure”
 - Added 5% Codes and Standards to proposal categories

10) RiskMAP update



Hannah provided this update – in part – with information provided by information provided by Rynn Lamb of FEMA Region Ten.

Flood Studies:

- Harney (Silvies Phase 2) – goes effective on Feb. 8, 2024
- Klamath (Revised Prelim.) – comment period closed
- Middle Columbia Hood Watershed:
 - Sherman (Prelim.) – appeal period opens soon
 - Wasco (Prelim.) – appeal period ended on Jan. 17; comments received; next step is comment review
 - Hood River (Revised Draft) – internal review of revisions (Jan. 18); next step is to share with communities and Flood Risk Review (FRR) in Feb.
- Central Lane (CFMF⁸ Willamette) – working on additional analysis with refined hydrology
- Lane (Amazon Creek) – working on revised draft
- Lane (Siuslaw) – draft maps have been shared with communities; currently working revisions around Florence (Munsel Creek)
- Clatsop Coastal (Columbia Prelim.) – Flood Risk Report in Feb. to March timeframe

⁸ Coast Fork Middle Fork

Engineering:

- Benton
- Grant
- Gilliam
- Umatilla

Discovery:

- Jackson

Cooperating Technical Partners (CTP) updates:

- CTP (FY24 cycle):
 - Budgets unknown but anticipated to be tight for this year.
 - Request for Exec Summaries sent in Dec.; proposals due Feb. 15; initial selections ~March timeframe
- FY23 CTP partners/projects getting started:
 - City of Portland,
 - UO OPDR/IPRE
 - DOGAMI

Staffing updates:

- Ted Perkins fully transitioned to Dam Safety Engineer position
- Dale Meck is regional engineer-at-large

Hannah also talked about the collaboration she is doing with Silver Jackets and with Deanna.

11) Update on the Oregon NHMP and the State Risk Assessment Upgrade Project (SRAUP)

Marian talked about invitations that have gone out recently inviting Subject Matter Experts to hazard-specific brainstorming sessions. Marian noted that we still don't have the funding for the Oregon NHMP update. Once received it will take about one month to get up and running. We're down to about one year to do the update. It's going to be a fast turnaround.

Paul asked what happens if the existing Oregon NHMP "expires." Marian said there is no failsafe, and then talked about consequences. Paul said this could also affect his ability to help the state with USACE money.

Stephen said this is a 2021 grant we are waiting on. He noted the delay is at FEMA National, not at the FEMA Region.

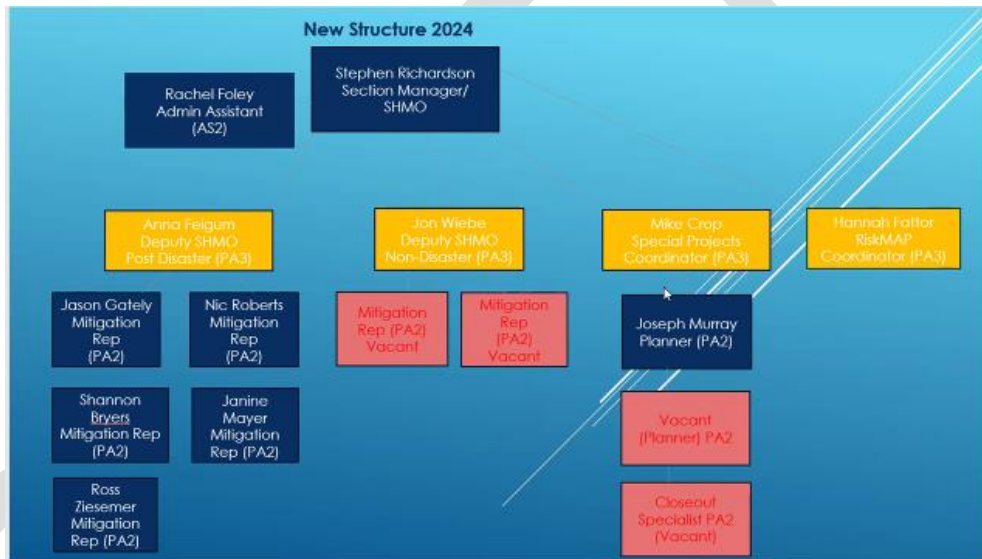
12) Public comment

There were no "general public" participants in the meeting to provide comments.

13) Other business

- a) Stephen talked about organization of and points of contact with the Mitigation Team. He thanked the State IHMT for help given in the review of BRIC and FMA subapplications, as well as review of the State IHMT Charter. Paul asked if the State IHMT Charter has been officially adopted. Stephen said that it has not.

- b) Deanna noted that the Charter should include how we demobilize following flood events. Stephen noted his interest in Silver Jackets working with his agency on an update to the Flood Annex to the State EOP. Paul talked about the USACE structure that exists for flood response. Paul also talked about the need for a non-emergency communications plan. Paul would also like to see us update the Silver Jackets Charter.
- c) Stephen talked about his interest in having a guest speaker at each meeting. Stephen asked for people’s thoughts on our focus for 2024. (No immediate response was given.)
- d) Bill noted that he has been working with the USGS Landslide Hazards Program on implementation of the National Landslide Preparedness Act. Bill said that our State IHMT has caught the attention of this group, noting that not very many states have something like the State IHMT.\
- e) Stephen then talked a little about the changes occurring at the Oregon Department of Emergency Management including the “90-Day Assessment.” Stephen showed the new organization chart for our Mitigation Team and explained it.



He then gave an update on the STORM Act, which the Oregon Department of Emergency Management hopes to implement with help from Business Oregon during 2025.

14) Adjourn

Stephen offered Jonna the opportunity for closing comments. She noted that she is delighted to be part of this group, noting that one of her past jobs was hazard mitigation planning for the City of Portland. She intends to be our advocate.

Stephen noted the next meeting will likely be hybrid.

Stephen adjourned the meeting at 10:43 a.m.

The next quarterly meeting is currently scheduled for 9:00 a.m. to 11:00 a.m. PDT on April 18.