

Integration and Compliance

Multi-Jurisdiction Study Session Rowan Fairfield, Associate Land Use Planner, RVCOG November 2024





# Welcome

# **Meeting Guidelines**

- Hold **questions** until the end of each section.
- Provide your **name** when you speak.
- Raise your "hand" to speak.
- Stay on **mute** when not speaking.
- Be mindful of your speaking time.



# **Meeting Guidelines**

- Zoom Chat is reserved for technical difficulties.
- No actions will be taken at this study session
- If you're an elected or appointed city official, hold your **deliberations** for a public hearing.

# Background

About the NFIP

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# National Flood Insurance Program (NFIP)

- Flooding is the single greatest source of damage from natural hazards in the United States
- National Flood Insurance Program created in 1968
  - To protect lives and property and to reduce taxpayer costs due to floods
- Based on community participation
  - FEMA provides flood insurance coverage
  - The Community adopts and enforces ordinances

# National Flood Insurance Program (NFIP)

CID	Community	Initial FHBM	Initial FIRM	Curr Eff Map Date
410091	BUTTE FALLS	11/8/1974	6/30/1976	6/30/1976
410107#	CAVE JUNCTION	11/8/1974	6/1/1982	12/3/2009
410094#	GOLD HILL	1/9/1974	9/17/1980	5/3/2011
410095#	JACKSONVILLE	6/21/1974	12/4/1979	5/3/2011
410098#	ROGUE RIVER	5/31/1974	1/2/1980	5/3/2011
410099C	SHADY COVE	8/23/1974	9/30/1980	1/19/2018
410100#	TALENT	5/31/1974	2/1/1980	5/3/2011

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**Recent History** 

# The Endangered Species Act (1973)

### Section 7(a)(1)

Protect and conserve endangered and threatened species and their habitats.

### Section 7(a)(2)

Ensure that any action federal agencies authorize, fund, or carry out is unlikely to jeopardize the continued existence of any endangered or threatened species; or result in the destruction or adverse modification of their habitat.

# **Recent History**

- In 2009, FEMA was sued by several environmental groups in Oregon
- In 2010, FEMA settled
  - agreed to consult about the effects of the NFIP on endangered and threatened species and designated critical habitat
- In 2016, NMFS issued the Biological Opinion (BiOp) and the Reasonable and Prudent Alternatives (RPA)

# **Recent History**

- The **BiOp** concluded FEMA's implementation of the NFIP in Oregon would:
  - likely jeopardize the continued existence of 16 anadromous fish species and the Southern Resident Killer Whale
  - result in the destruction or adverse modification of designated or proposed critical habitat for the 16 anadromous fish species
  - In other words, violates the Endangered Species Act.
- The **RPA** is recommendations for reconciling the NFIP and the ESA, with a focus on new floodplain development and redevelopment.







### **Recent History**

- On August 1, 2024, FEMA temporarily suspended applications for LOMRs and CLOMRs.
- On September 26, 2024, Governor Tina Kotek sent a letter to FEMA expressing concerns about PICM.
- On October 4, 2024, DLCD released a "FAQ" document to assist.

# Background

Near Future



# **Near Future**

- The Final Implementation Plan is anticipated by 2026
  - after completing the EIS process
- FEMA will fully implement the plan in 2027
- Until then, communities need to begin taking action to protect habitat and achieve "no net loss"

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# **Overview of PICM**

"No Net Loss" as a new objective for the NFIP

# "No Net Loss"

- A standard where adverse impacts must be **avoided**, **minimized**, and/or **offset**, so that there is no net change in the existing floodplain functions.
- For all three PICM pathways, the objective is to ensure **no net loss** to the function of the floodplain, to endangered species or to their critical habitats.
- The **floodplain functions** of floodwater storage, water quality, and riparian vegetation must be maintained.



# Pathway 1: Prohibition on New Development

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# Pathway 1: Prohibition on New Development

• FEMA does not have the authority to prohibit development.

- · Could be accomplished with either
  - A) Temporary Moratorium, or
  - B) Permanent Rezoning
- **Permanent Rezoning** might make sense if the floodplain area is small, is unlikely to develop, and/or is publicly owned.

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# Pathway 2: New Model Code

























# Table 1: No Net Loss Standards

	Undeveloped Space (cubic ft)	Impervious Surface (sq ft)	Trees (6" <dbh≤20")< th=""><th>Trees (20"<dbh≤39")< th=""><th>Trees (39"<dbh)< th=""></dbh)<></th></dbh≤39")<></th></dbh≤20")<>	Trees (20" <dbh≤39")< th=""><th>Trees (39"<dbh)< th=""></dbh)<></th></dbh≤39")<>	Trees (39" <dbh)< th=""></dbh)<>
Basic Mitigate Ratios					
RBZ and Floodway	2 : 1	1:1	3 : 1	5 : 1	6 : 1
RBZ-Fringe	1.5 : 1	1:1	2 : 1	4 : 1	5 : 1
Mitigation multipliers					
Offsite, same reach	100%	100%	100%	100%	100%
Offsite, different reach, same watershed (5th field)	200%	200%	200%	200%	200%

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# Table 1: No Net Loss Standards

<u>"Reach"</u>

Definition: A section of stream with similar conditions such as depth, slope, and discharge

Usually between two smaller tributaries



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### • "Fifth Field Watershed"

Not defined in the Code.

A standard size of watershed, used often for research and projects.

- "First Field" is the entire shed, millions of acres
- "Seventh Field" are the most local, a few thousand acres





# Pathway 3: Permit-by-Permit + Habitat Assessment













# **Conducting a Habitat Assessment**

- 3. Describe the Project
  - the final product and the construction process
  - describe measures to Avoid, Minimize, and Mitigate
  - describe ongoing activities and uses after completion
- 4. Assess the Environmental Effects
  - · Direct impacts such as clearing and grading the site
  - · Indirect impacts like disrupting stream flows and destabilizing banks
  - Cumulative effects: past, current, and pending actions
  - Determine if "no net loss" standard is met



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Mitigation multipliers					
Offsite, same reach	100%	100%	100%	100%	100%
Offsite, different reach, same watershed (5th field)	200%	200%	200%	200%	200%



# City Responsibilities

- Review Habitat Assessments
- Document the details of the mitigation plan
- **Identify** which mitigation measures are **required** rather than recommended
- Monitor the implementation.
- **Measure** the effectiveness of the plan, **track** any enforcement actions taken, and provide that information to FEMA, if requested





### SUMMARY: Permit-by-Permit + HA

• Requiring applicants to submit a HA will still need a text amendment to your Ordinance for Flood Hazard Prevention

# COMPARISON

### Model Code

- Performance standards
- "No net loss"
- Mitigation ratios
- "Beneficial Gain" in the RBZ
- Reporting requirements

### Permit-by-Permit + HA

- Professional research report
- "No net loss"
- Mitigation ratios
- "Beneficial Gain" in the RBZ
- Reporting requirements



# New Reporting Requirements

- Begin collecting on January 31st, 2025
- Must report all to FEMA, on January 31st, 2026
- Cities will need to collect this info during the permit process
- FEMA will have a reporting tool online (eventually)



# New Reporting Requirements Applicant, project title, description, location

- Size of project in SFHA, Riparian Buffer Zone (RBZ), and Floodway;
- Amount of fill added and compensatory storage created
- Area of clearing and grading that occurred
- Acres disconnected and reconnected to/from the floodplain
- Amount of new impervious surface added
- Type and amount of water quality mitigation provided
- Number of trees removed and their size
- Number of trees planted

# Data for Context

Sourced from Jackson and Josephine County data

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### Floodplain Tax Lots: Unimproved Cave Jacksonville Shady Cove Rogue River Talent Gold Hill Junction 376 421 213 357 70 94 71 46 41 36 20 34 Unimproved % 12% 10% 17% 20% 29% 36% \* These lots have Improvement Value = 0 in the County Assessor's data

# Floodplain Tax Lots: "dry" area outside SFHA

	Jacksonville	Shady Cove	Rogue River	Talent	Gold Hill	Cave Junction
Total # of FP Tax Lots	376	421	213	357	70	94
# of FP Tax Lots with <b>5,000 sq ft</b> or less outside the SFHA	86	56	92	166	14	58
% with <= 5k	23%	13%	43%	46%	20%	62%
# of FP Tax Lots with more than <b>5,000 sq ft</b> outside the SFHA	290	365	121	191	56	36
% with > 5k	77%	87%	57%	54%	80%	38%

\* 5,000 sq ft is used here as a benchmark for enough area to build a single, modest home

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# Unimproved & less than 5,000 "dry" sq ft

	Jacksonville	Shady Cove	Rogue River	Talent	Gold Hill	Cave Junction
Total # of FP Tax Lots	376	421	213	357	70	94
# of FP Tax Lots that are both Unimproved AND <= 5k sq ft dry	19	16	14	53	9	34
% both	5%	4%	7%	15%	13%	36%

\* 5,000 sq ft is used here as a benchmark for enough area to build a single, modest home

# Closing

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# Data requests?

- These data will be included in staff reports
- If you have a request for more data like this, please contact Rowan via email at least 2 weeks before your first evidentiary hearing
- Likewise, any questions we can't answer today, please contact Rowan via email

# More Information

- From FEMA
  - Model Floodplain Management Ordinance
  - Floodplain Habitat Assessment and Mitigation, Regional Guidance for Oregon
  - PICM Fact Sheet
  - NFIP-ESA Integration webpage, webinar slides, newsletters
- From DLCD
  - FAQ

