

Protection, Response & Recovery – Infrastructure Protection 101

IDAHO OFFICE OF EMERGENCY MANAGEMENT

For the

Water Source Protection Workshops – Nov. 14 & 16, 2016



https://ioem.Idaho.gov

The screenshot shows the homepage of the Idaho Office of Emergency Management (IOEM). The browser address bar displays "https://ioem.idaho.gov". The website header includes the IOEM logo, the text "Office of Emergency Management", and a search bar. A navigation menu at the top right contains links for "Home", "Contact Us", and "Sitemap". The main content area is divided into several sections:

- Left Sidebar:** A vertical menu with links for "About Us", "Response and Recovery", "Hazardous Materials", "Preparedness and Protection", "Grant Management", "IPSCC", "Public Private Partnerships", "How You Can Prepare", "News Room", "Reservist", "WebEOC", and "EOPT Login". Below the menu are social media icons for Facebook and Twitter.
- Hot Topics:** A yellow box titled "Hot Topics" with the sub-heading "Keeping safe in Idaho". It lists several topics with right-pointing arrows: "Are you and your family prepared?", "SEE SOMETHING, SAY SOMETHING", "A Guide to the Disaster Declaration Process", "Cyber Security Liability Information", and "Cyber Security Incident Reporting".
- Current Situation:** A box titled "Current Situation" stating that the IOEM is currently operating at normal levels. It lists "Current Sitrep", "InciWeb", "BEACON (Online Map)", and "National Weather Service".
- News Subscription:** A box titled "News Subscription" with the text "There are no active watches, warnings or advisories".
- Photo Gallery:** A section with two image thumbnails. The top one is labeled "Photo Gallery" and the bottom one is labeled "A History of Idaho Disasters".
- NTAS Alert:** A blue box for the National Terrorism Advisory System (NTAS) with the text "NO ACTIVE ALERTS".
- Ready Campaign:** A box featuring the "Ready" logo with a green checkmark and the slogan "Prepare. Plan. Stay Informed.".
- QuakeSmart:** A box for the "QuakeSmart" campaign with the slogan "Mitigation Works For Business".

The footer of the website includes a small map of Idaho, a "Privacy Policy" link, and copyright information: "©2016 Idaho Office of Emergency Management".

WebEOC

WebEOC 8.2

https://webserver.imd.idaho.gov/eoc7/controlpanel.aspx

Welcome, mstephensen (Logout). You are logged in as IOEM AFO Liaison in Daily Ops 2016

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Boards

- Southwest Region Event Calendar
- County / Tribe Contact List
- Demo RAT
- IDEOC Check In Out
- IDEOC County / EOC Status
- IDEOC Daily Activity Schedule
- IDEOC Document Library
- IDEOC Event and Unit Log
- IDEOC IAP Communications
- IDEOC Input for Sitrep
- IDEOC Mission Assignment
- IDEOC Personnel Status
- IDEOC Position Job Aids
- IDEOC Request for Assistance
- IDEOC Statewide Resources
- IFCA Statewide Fire Resources
- IOEM Contacts
- IOEM Haz Mat Duty Officer
- IOEM RAT
- Public Health Statewide Resources
- Statewide Shelters
- WebEOC Requested Change

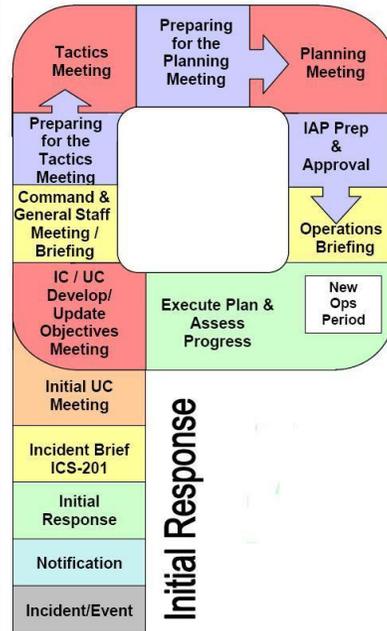
Menus

- Fire Information - Current
- FMAG Help for County / Tribe Coordinators

ormal Operations.

en created for the Henry's Creek Fire; ID-02-2016 Idaho Wildfires. Please use this ted information.

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*Don't know
NIMS?
Take IS-552 online
course*



National Response Framework

- Purpose
 - Guides how the nation conducts all-hazards incident response
- Key Concepts
 - Builds on the National Incident Management System (NIMS) with its flexible, scalable, and adaptable coordinating structures
 - Aligns key roles and responsibilities across jurisdictions
 - Links all levels of government, private sector, and nongovernmental organizations in a unified approach to emergency management
 - Always in effect: can be partially or fully implemented
 - Coordinates Federal assistance without need for formal trigger



Homeland Security

Remember: critical infrastructure and key resources are what you build and maintain every day. When your stuff breaks, it is life threatening to people, property and commerce.

EMERGENCY PLANNING

- Federal – it's what the US government does
- State – Establish emergency operational and all-hazard mitigation plans as an effective means of identifying risk, assessing vulnerabilities, facilitating operational direction and creating basis for response and recovery operations
- Local – All counties and tribes must have these plans current in order to be eligible for certain federal assistance
- Commercial – smart and enhances rapid business resumption
- Private Individuals – reduces or eliminates reliance upon public emergency services, increases resiliency

Emergency Preparedness for Public Water Systems

- Emergency Response Planning
 - Establish a procedure for the management and staff of a water system to follow in case of an emergency
 - Integration of response into local emergency management planning (ICS ?)
 - Establishing standard operating procedures to include formal damage assessment process
 - Create regular inter-agency training and exercise components
 - DEQ website page for Contamination Emergencies – Call 911 during normal working hours and State Comm after working hours (possible consideration of all calls going to State Comm?)
 - Executive Order No. 2010-09 addresses emergency management activities (enough guidance?)

EMERGENCY RESPONSE PROCESSES

- LOCAL - Protect lives, preserve property, provide for resumption of normal operations as well as identify damaged CI/KR
- STATE – Provide immediate and long-term support to the Local jurisdiction(s) and maintain continuity of government
- FEDERAL – Provide immediate and long-term support to the State
- COMMERCIAL – business resumption, continuity of operations
- PRIVATE INDIVIDUAL – recovery, return quickly to normalcy

DAMAGE ASSESSMENT PROCESS

- Planning is essential to ensure effective and timely assessment. Without prior planning, damage assessment will delay disaster declarations, delay response/recovery efforts, may cause a denied Presidential declaration, obscure priorities, cause ill-informed decisions, create cascading impacts, preclude discovery of “hidden damages”, compound environmental impacts and add to public safety and health issues.
- Planning should provide for timely, expert and accurate damage assessments.

IOEM Damage Assessment

- <https://ioem.idaho.gov/Pages/Operations/DisasterAssistance/DamageAssessment.aspx>
- “The assesement of damages serves as the basis for both fiscal and functional assistance in providing life sustaining and recovery assistance to individuals impacted by a disaster/emergency event.” IOEM website, 2016
- “Damage assessments begin at the local level.” IOEM website, 2016
- If the event is of sufficient magnitude, the PDA documents the scope, impact and need for either state and/or federal assistance.

CAT D – PDA sheet

IDAHO BUREAU OF HOMELAND SECURITY

PRELIMINARY DAMAGE ASSESSMENT ESTIMATES - CATEGORY D SITES				DATE
				1/0/00
PART I - APPLICANT / INSPECTOR INFORMATION - (REQUIRED INFORMATION)				
COUNTY	APPLICANT	APPLICANT CONTACT	EMAIL	PHONE
0	0	0	0	0
INSPECTOR/AGENCY			E-MAIL	PHONE
County	0		0	0
State	0		0	0
PART II - SITE INFORMATION (Use additional sheets as necessary for each category)				
KEY FOR DAMAGE CATEGORY (Use appropriate letter in the "Category" box. One category per page)				CATEGORY: D
A. DEBRIS REMOVAL		D. WATER CONTROL FACILITIES		G. PARKS/OTHER
B. PROTECTIVE MEASURES		E. PUBLIC BUILDINGS		CATEGORY TOTAL \$0
C. ROADS AND BRIDGES (Indicate On/Off Roads)		F. PUBLIC UTILITIES		COUNTY: \$0
				APPLICANT: \$0
SITE NO.	APP ID NO.	LOCATION (Use map location, address, etc.)	LAT	LONG
1	N/A			
DESCRIPTION OF DAMAGE				
IMPACT TO JURISDICTION				IMPACTED DEPARTMENT
				% Complete
COUNTY COMMENTS			COST ESTIMATE-APPLICANT	COST ESTIMATE-COUNTY
SITE NO.	APP ID NO.	LOCATION (Use map location, address, etc.)	LAT	LONG
2	N/A			
DESCRIPTION OF DAMAGE				
IMPACT TO JURISDICTION				IMPACTED DEPARTMENT
				% Complete
COUNTY COMMENTS			COST ESTIMATE-APPLICANT	COST ESTIMATE-COUNTY
SITE NO.	APP ID NO.	LOCATION (Use map location, address, etc.)	LAT	LONG
3	N/A			
DESCRIPTION OF DAMAGE				
IMPACT TO JURISDICTION				IMPACTED DEPARTMENT
				% Complete
COUNTY COMMENTS			COST ESTIMATE-APPLICANT	COST ESTIMATE-COUNTY

CAT D – Photo Sheet

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PHOTO SHEET - CAT D - WATER CONTROL FACILITIES - SITE # 1

APPLICANT: 0	COUNTY: 0	DATE: 01/00/00
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<p style="text-align: center; margin: 0;">PICTURE 1</p> <div style="border: 1px solid black; height: 150px; margin: 5px 0;"></div> <p style="text-align: center; font-size: 8px; margin: 0;">TO INSERT A PICTURE, SELECT THIS BOX AND CLICK THE INSERT TAB IN THE MENU OPTIONS ABOVE, THEN CLICK SELECT PICTURE.</p>	<p style="text-align: center; margin: 0;">PICTURE 2</p> <div style="border: 1px solid black; height: 150px; margin: 5px 0;"></div> <p style="text-align: center; font-size: 8px; margin: 0;">TO INSERT A PICTURE, SELECT THIS BOX AND CLICK THE INSERT TAB IN THE MENU OPTIONS ABOVE, THEN CLICK SELECT PICTURE.</p>
<p style="text-align: center; margin: 0;">PICTURE 3</p> <div style="border: 1px solid black; height: 150px; margin: 5px 0;"></div> <p style="text-align: center; font-size: 8px; margin: 0;">TO INSERT A PICTURE, SELECT THIS BOX AND CLICK THE INSERT TAB IN THE MENU OPTIONS ABOVE, THEN CLICK SELECT PICTURE.</p>	<p style="text-align: center; margin: 0;">PICTURE 4</p> <div style="border: 1px solid black; height: 150px; margin: 5px 0;"></div> <p style="text-align: center; font-size: 8px; margin: 0;">TO INSERT A PICTURE, SELECT THIS BOX AND CLICK THE INSERT TAB IN THE MENU OPTIONS ABOVE, THEN CLICK SELECT PICTURE.</p>
<div style="border: 1px solid black; height: 80px; margin: 5px 0;"></div>	<div style="border: 1px solid black; height: 80px; margin: 5px 0;"></div>

Photo - Cat D Site 1

EMERGENCY DECLARATIONS

- LOCAL – when emergency events unfold and county/city response is imminent or is overwhelmed, the Commissioners will declare a disaster
- STATE – when one or more counties declare a disaster, upon request, the Governor will declare a state disaster
- FEDERAL – when damage thresholds are exceeded, the Governor may apply to the President for a Presidential Declaration. (Not guaranteed)

RECOVERY

- Effective recovery must be planned and the planning team must include all public works supervisors or functional directors, private utilities, etc.
- Recovery includes not only the timely and effective repair of infrastructure, but also the resumption of essential services, government and normal socio-economic functions (i.e. schools, health care, commerce, transportation, etc.)
- Includes the facilitation of an often large, complex, multi-agency, time-consuming and inherently expensive operation (hint: Katrina still has most of its projects still open)

RECOVERY (con't)

- Infrastructure (immediate disaster assistance to repair/replacement)
 - Time frame: days, weeks, months, years (HMGP projects can take up to 3 years)
 - Contractor availability
- Residential
 - Time frame: days, weeks, months (insured vs. uninsured losses/when do people just leave?)

RECOVERY (con't)

- Commerical businesses
 - FEMA will provide immediate disaster support and, when the jurisdictions are eligible, grant funding to municipal, county and state agencies for hazard mitigation
 - Doesn't apply to businesses
 - Only mitigation offered now are SBA loan guarantees
 - If schools aren't available, usually one parent can't go to work
 - Fewer employees, fewer customers, reduced revenues, fewer employees, etc, etc
 - Certain percentage of businesses will never return

Mitigation – Core Capabilities

Threats and Hazard Identification

Risk and Disaster Resilience Assessment

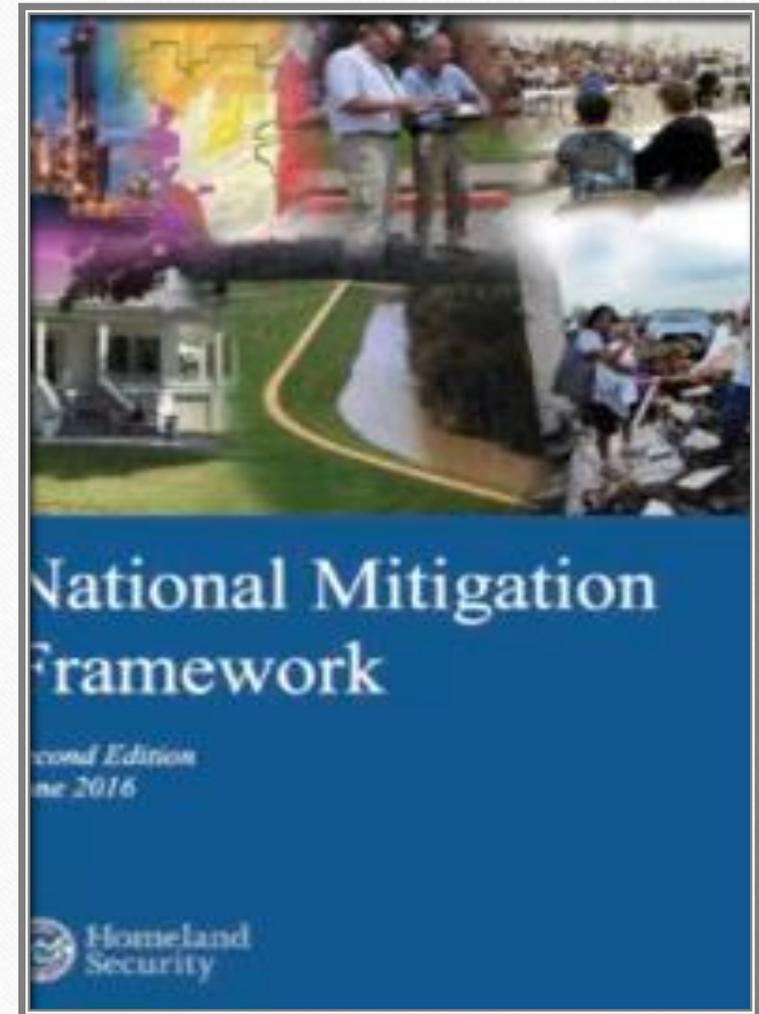
Planning

Community Resilience

Public Information and Warning

Long-term Vulnerability Reduction

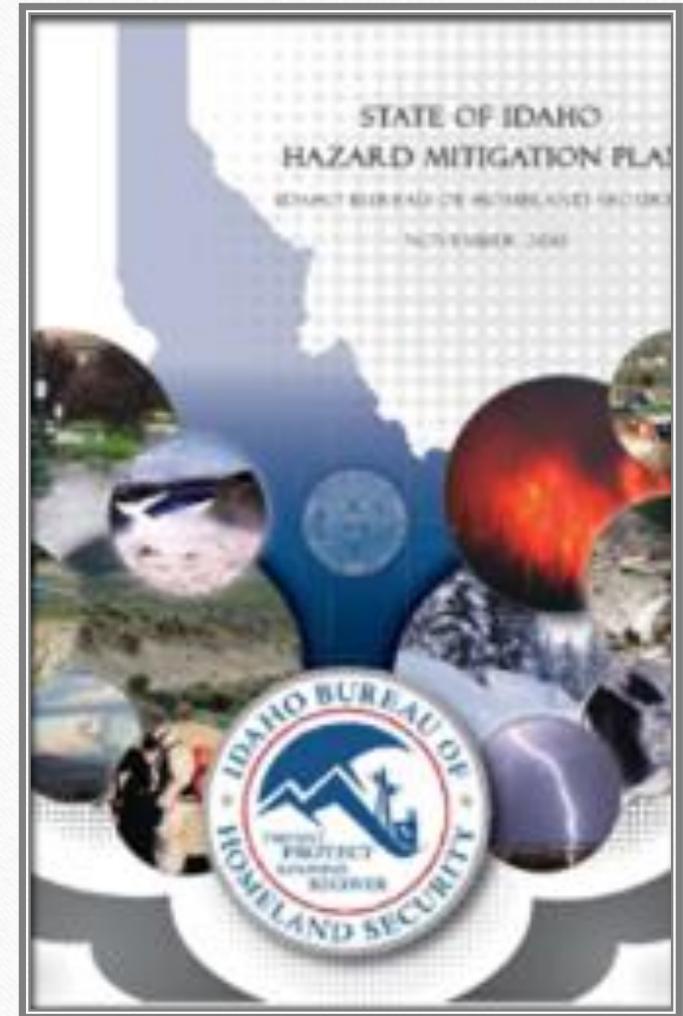
Operational Coordination



Idaho Hazard Mitigation Plan

Needs to include, at the minimum, reference to both the Continuing Planning Process (CPP), the Idaho Water Quality Management Plan (WQMP) and DEQ's Strategic Plan

- Integration would include identification of pollutant and contamination sources as threats.
- Would also include identified mitigation-type actions



IOEM MITIGATION

- STATE/LOCAL PLAN UPDATES
- HAZARD MITIGATION GRANT PROGRAM
 - PDM SUBAWARDS
 - Bonner County Acquisition



Local mitigation projects

- FMA SUBAWARDS

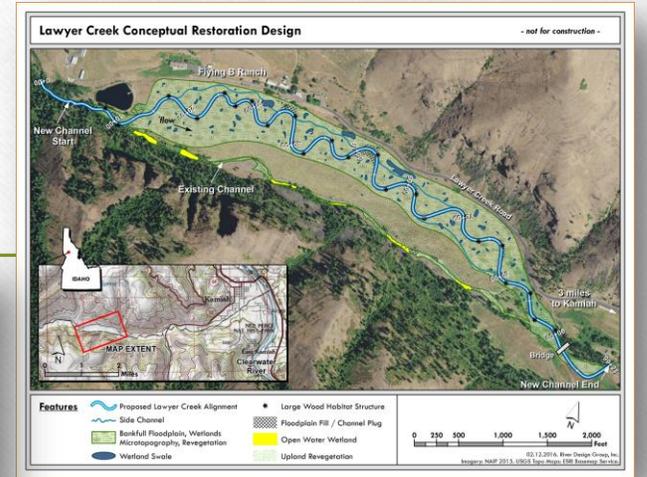


Local mitigation projects

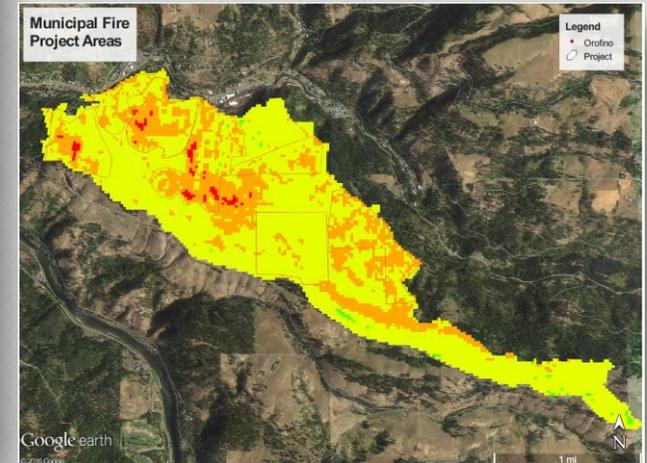
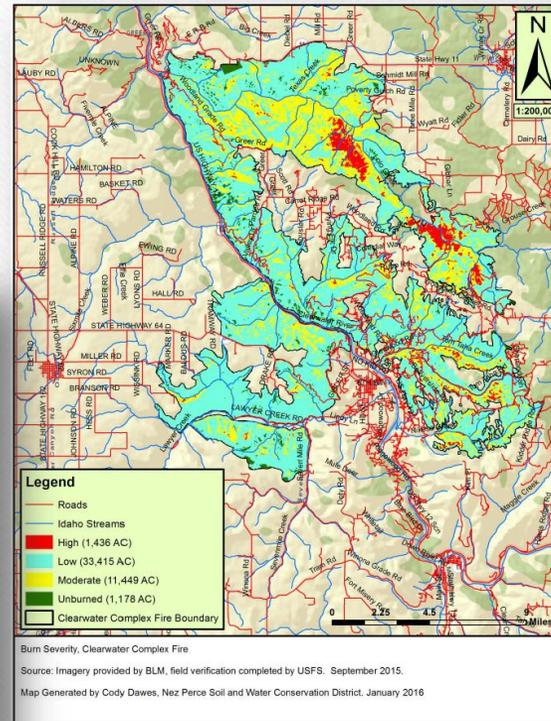
- FMA SUBAWARDS - Teton Creek Restoration



FMAG-HMGP



Tepee Springs Flash Flood Potential



Resiliency Planning

- Understand the risks to source water facilities (local/state all hazard mitigation plan risk assessments and threat analysis)
- Identify projects to reduce risk (actions to mitigate identified risks)
- Seek out funding opportunities for mitigation planning and projects, to augment existing Source Water Protection Grants, **when funding allows**
- Maintain on-going initiatives to refine and adjust mitigation actions recognizing that hazards are variable and mitigation technologies are evolving

INTEGRATION INTO THE PLANNING PROCESS

- Baseline assessment of community water systems
 - State assessment (What significant threats were determined? Are unregulated contamination sources a factor for protection?)
- Water system operators need to be an integral part of emergency management planning and implementation – implementation of Source Water Protection Plans
- Determination of staffing/resource needs, mutual aid agreements, etc.
- Presidential Executive Order 13603 of March 16, 2012, §201(a)(5)

Questions?

- IOEM Mitigation Section
 - Susan Cleverley, Mitigation Section Chief (208)258-6545
 - Lorrie Pahl, Mitigation Planner (208)442-3001
- Local emergency manager
- IOEM Area Field Officers
 - Mark Stephensen, SEAFO, (208)251-0185