



MONTANA FLOODPLAIN 2023 RESOURCE SEMINAR

November 14- November 16, 2023

‘Unraveling the Complexities of the Floodplain Program’

The DNRC’s Montana Floodplain Resource Seminar offers no-cost training on topics related to management and administration of Montana’s floodplain program. Workshops are available to community members and professionals, including floodplain administrators, county planners, and DES personnel, and any other interested parties. All sessions will be hosted via Zoom.

Please use the link(s) below to access to the Resource Seminar.

To access/attend the seminar, a link for each day is given below. You can access one or all workshops and adjust your participation to best fit your schedule.

For assistance, questions, or more information, please contact:

Traci Sears, Montana NFIP/CAP Coordinator at Ph (406) 444-6654 / Email: tsears@mt.gov

Shylea Wingard, MT NFIP/CAP Assistant at Ph (406) 581-5254 Email: shylea.wingard@mt.gov

SEMINAR ACCESS VIA ZOOM

DAY 1: Topic: Know Your Risk - Mapping -- Montana Floodplain Resource Seminar

Time: NOVEMBER 14th, 2023, 08:00 AM Mountain Time (US and Canada)

Join Zoom Meeting

<https://mt-gov.zoom.us/j/83204055875?pwd=VmtGaHtSFZJYndrVmc4K1pBMWQ3QT09>

Meeting ID: 832 0405 5875

Password: 441700

DAY 2: Topic: Permitting Process During and After a Disaster-- Montana Floodplain Resource Seminar

Time: NOVEMBER 15th, 2023, 08:00 AM Mountain Time (US and Canada)

Join Zoom Meeting

<https://mt-gov.zoom.us/j/82288237379?pwd=OFVxTUo0ZWwhEUKtyeS83OUJEMy9tQT09>

Meeting ID: 822 8823 7379

Password: 936477

DAY 3: Topic: Community Preparedness -- Montana Floodplain Resource Seminar

Time: NOVEMBER 16th, 2023, 08:00 AM Mountain Time (US and Canada)

Join Zoom Meeting

<https://mt-gov.zoom.us/j/82280674589?pwd=OEhlelhNNGFnMUJsMVZEbm5yMjUyZz09>

Meeting ID: 822 8067 4589

Password: 071340



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AGENDA

Tuesday, November 14th, 2023,

Mapping Workshops - (CECs for CFMs has been approved for this day with active participation)

8:00 am – 8:05 am

2023 Resource Seminar Kickoff and DNRC Staff Introductions

Description

The 2023 Resource Seminar is a three-day event packed with a variety of training sessions and excellent speakers. Kicking off the event with a quick overview of the Seminar and introduction of DNRC Floodplain Staff

CECs: Approved for CFMs – with active chat participation.

Presenter:

Traci Sears, CFM – MT NFIP Coordinator | MT DNRC | Water Operations | Tsears@mt.gov
DNRC Program Staff

8:05 am – 8:30 am

USACE Ice Jams Overview

Description

This presentation will help prepare local communities for ice jam season. Presenters from USACE Cold Regions Research and Engineering Laboratory (CRREL) will go over:

- General discussion of ice jams and why CRREL is interested in documenting them.
- What data is useful to collect, i.e. location, impacts, photos etc.
- High level overview of the updates and future plans for the Ice Jam Data Base (IJDB)

CECs: Approved for CFMs – with active chat participation.

Presenters:

Chandler S. Engel, PE –Cold Regions Research and Engineering Lab| USACE| Chandler.s.engel@erdc.dren.mil
Blaine F. Morriss, PE –Cold Regions Research and Engineering Lab| USACE| Blaine.f.morriss@erdc.dren.mil

8:30 am – 9:50 am

Maintaining your Community’s Effective Floodplain Studies

Description

Most communities have multiple hydraulic models that are the basis for their effective floodplain maps and profiles. These models are often decades old, and it can be difficult to track down a copy. Copies of these models can be requested from FEMA, which includes a fee and can take a month or more, but ideally a community will both 1) have their own copies of their regulatory models, and 2) continuously update these models to capture changes to the floodplain, such as development in the floodplain that had less than 0.5-ft of rise and so did not require a Letter of Map Revision. In practice this has been prohibitively difficult for many communities, but current technologies such as cloud storage have made it increasingly manageable to obtain and maintain these effective models.

CECs: Approved for CFMs – with active chat participation.

Presenters: **Doug Brugger** -Floodplain Mapping Program Engineer| Montana DNRC | Douglas.Brugger@mt.gov



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▶ 9:50 am – 10:00 am

Break

▶ 10:00 am – 10:30 am

Updating Flood Risk Across Montana

Description

This presentation will provide an overview of Montana’s Floodplain Mapping Program. We will explain how new flood studies are funded, what products come from those studies, and how we collaborate with FEMA and communities to update and produce new floodplain maps. We will also give a brief overview of current floodplain mapping update projects around the state.

CECs: Approved for CFMs – with active chat participation.

Presenter: **Nadene Wadsworth**–Mapping Outreach | Montana DNRC| Floodplain Program |Nadene.Wadsworth@mt.gov

Hannah Shultz–Mapping Outreach | Montana DNRC| Floodplain Program |Hannah.Shultz2@mt.gov

▶ 10:30 am – 11:00 am

Best Available Information

Description

There are 23 counties across Montana that are in various stages of receiving updated Flood Insurance Studies, typically replacing flood studies that are decades old. However, there is often five or more years between the start of a new study and the update to these communities’ effective regulatory products. Many public and private stakeholders in these communities are interested in utilizing these new studies as soon as they can, and in order to do so the community should formally adopt the new study as Best Available Information. This presentation will unpack this process and provide examples of how Best Available Information can be used.

CECs: Approved for CFMs – with active chat participation.

Presenters: **Doug Brugger** -Floodplain Mapping Program Engineer| Montana DNRC |Douglas.Brugger@mt.gov.

Tom Birney – NFIP Specialist| FEMA Region VIII | Thomas.birney@fema.dhs.gov

▶ 11:00 am – 11:30 am

FFRMS Floodplain Determination, Job Aids, and FEMA Proposed Policy Rule

Description

The Federal Flood Risk Management Standard (FFRMS) is intended to result in a more resilient future by directing federal agencies to prepare for and protect federally funded projects from future flood risks. Over the past year the Flood Resilience Interagency Working Group developed the FFRMS Floodplain Determination Job Aid intended to help determine if a federal action is located in the FFRMS floodplain. Hear about this and other exciting resources being created to help with full implementation of the FFRMS.

CECs: Approved for CFMs – with active chat participation.

Presenter:

Matt Buddie – FFRMS Coordinator | Mitigation | FEMA Region VIII Office | Matthew.Buddie@fema.dhs.gov



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AGENDA

Wednesday, November 15th, 2023

Permitting Process for Local, State, or Federal Programs- During and After a Disaster Workshop - (CECs for CFMs has been approved for this day with active participation)

Reviewing both the Emergency Process and Permit Application Process for a Bridge, Culvert, Road, and Bank Stabilization Project that was impacted during a natural disaster event. How the design, construction, materials, and permitting could impact reimbursement requests.

▶ 8:30 am – 10:00 am

Project Overview – Taking Emergency Action After a Disaster Impacts an Area

Description

Reviewing an application for a state or local road department to repair and possibly replace a bridge, culvert, road, and bank stabilization project that was impacted during a natural disaster event. How the design, construction, materials, and permitting could impact reimbursement requests.

The following agencies or department will discuss the permitting or notification process for emergency work within or near a stream and/or floodplain:

8:30 – 8:40 – Introduction of scenario and speakers

8:40 – 9:00 – 318 Permit (401 Water Certification) – Department of Environmental Quality (Keenan Storrar)

9:00 – 9:20 – 124 Permit – MT Fish, Wildlife, and Parks – Shannon Blackburn

9:20 – 9:40 – 404 Permit – USACE (Sage Joyce)

9:40-10:00 – Navigable Waterways – DRNC – (Joe Holzwarth)

10:00 – 10:20 – Floodplain Management – DNRC (Traci Sears)

10:20 – 10:30 – Case review

▶ 10:30 am – 10:45 am

Break

▶ 10:45 am – 11:10 am

Montana State Historic Preservation Officer (SHPO) and FEMA Environmental Historic Preservation (EHP)

Discussion on the environmental requirements for emergency projects and activities for local, state, and federal projects.

CECs: Approved for CFMs – with active chat participation.

Presenters: Jessica Bush | State Archaeologist | Montana SHPO | JBush2@mt.gov.



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▶ 11:10 am – 11:40 am

Montana Disaster and Emergency Service Department (DES)

Description

Discussion on pre-disaster preparations Applicants can do to set themselves up for success with the Public Assistance process.

Presenter: Allison Taylor – Recovery Program Manager | MT DES | Allison.Taylor@mt.gov

▶ 11:40 am – 12:30 pm

Break

▶ 12:30 pm – 12:45 pm

Project Overview – Permitting After a Disaster Impacts an Area

Description

Reviewing an application for a state or local road department to repair and possibly replace a bridge, culvert, road, and bank stabilization project that was impacted during a natural disaster event. How the design, construction, materials, and permitting could impact reimbursement requests. Agency application or follow-up procedures even if emergency temporary work was completed.

Presenter: Traci Sears – MT NFIP Coordinator | MT DNRC | Water Operations | Tsears@mt.gov

▶ 12:45 pm – 1:05 pm

318 Permit – Department of Environmental Quality

Description

318 Authorizations are issued for stream-related construction activities that elevate Total Suspended Sediment (TSS) and turbidity above background or naturally occurring levels. Applies only for work carried out in water. Regional FWP Fisheries Biologist may issue 318 Authorizations for small projects (headgate work, small bank repairs, etc.) during the 310 or 124 permitting processes. For larger projects, the FWP biologist refers the applicant to DEQ to issue the 318 Authorization.

401 Water Quality Certifications are required for activities that may adversely affect state water quality standards. 401 certification is tied to the U.S. Army Corps of Engineers 404 permit. Depending on the type of 404 permit you may have obtained from the Corps, a 401 Water Quality Certification of that 404 permit by DEQ might be necessary.

CECs: Approved for CFMs – with active chat participation.

Presenter: Keenan Storrar–401 certification/318 Authorization Coordinator | Montana DEQ | Keenan.Storrar@mt.gov.



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1:05 pm – 1:25 pm

124 Permit -MT Fish, Wildlife, and Parks

Description

A 124 permit is required by any government entity that proposes to work in or near a stream on public or private land. The permit is necessary for any activity that physically alters or modifies the bed or banks of any stream. The presentation will cover the basic framework of the Stream Protection Act for planned and emergency projects and how it is applied by Montana Fish, Wildlife & Parks in Montana.

CECs: Approved for CFMs – with active chat participation.

Presenter: Shannon Blackburn – Fish Biologist | Montana FWP | Fisheries | Shannon.Blackburn@mt.gov.

1:25 pm – 1:45 pm

404 Permit -U.S. Army Corps of Engineers

Description

Section 10 Permits are required for the temporary or permanent construction of any structure in or over any federally listed navigable waters of the United States, the excavation from or depositing of material in such waters, or the accomplishment of any other work affecting the course, location, condition, or capacity of such waters. Work needing authorization includes boring or tunneling under navigable waters, suspending structures, utility lines, or other facilities over navigable waters, as well as all work within the Ordinary High Water Mark of navigable waters. Federally listed navigable waters in Montana include the Missouri River, Yellowstone River downstream of Emigrant, and a portion of the Kootenai River.

Section 404 Permits are required for any activity that will result in the temporary or permanent discharge or placement of dredged or fill material into waters of the United States, including wetlands. Fill material includes, but is not limited to: rock, sand, soil, clay, plastics, timber, mats, construction debris, wood chips, overburden from mining or other excavation activities, and materials used to create any structure or infrastructure in the waters of the United States. The term fill material does not include trash, garbage, or waste material. Dredged material is material excavated or dredged from any water of the United States. This workshop will present on the Section 10 and 404 Permit Process.

CECs: Approved for CFMs – with active chat participation.

Presenter: Sage Joyce – MT Program Manager / Regulatory Offices Chief | Montana USACE | Regulatory Program | Sage.L.Joyce@usace.army.mil

1:45 pm – 2:00 pm

Break



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▶ 2:00 pm – 2:20 pm

Navigable Water Ways (Tentative)

Description

A Navigable Waterway Land Use License, Lease, or Easement authorization is required by any private, nongovernmental person or entity that proposes to work in or along the riverbed of rivers owned by the State of Montana State Trust Lands. The presentation will cover the history and process of how the State Trust Lands determine ownership, along with the process of applying for a permit to authorize said work.

CECs: Approved for CFMs – with active chat participation.

Presenter: Joe Holzwarth - Area Planner, Southern Land Office | Montana DNRC | Trust Lands Management Division | jholzwarth@mt.gov

▶ 2:20 pm – 3:40 pm

Basic Floodplain Encroachment Documentation and Model Review

Description

Local floodplain administrators are responsible for the enforcement of local floodplain ordinances. This includes reviewing and commenting on documentation provided to them in support of Floodplain Development Permits. Some developments may require a Floodplain Encroachment Analysis that supports No-Rise Certifications. This training will equip attendees with the skills to identify when a floodplain encroachment analysis is needed and the basic steps to review model documentation. This knowledge will help make better informed decisions as to how each proposed project impacts their community's floodplain and flood risk.

CECs: Approved for CFMs – with active chat participation.

Presenters

Rachel Mares, PE, CFM – Water Resource Engineer | WSP | Rachel.mares@wsp.com

Ben Rood, PE, CFM – Associate Engineer | WSP | ben.rood@wsp.com

▶ 3:40 pm – 4:00 pm

Floodplain Program

Description

The National Floodplain Insurance Program (NFIP) was implemented as a unified program administered at the local level to reduce flood losses and damage. Floodplain Permits are required by anyone doing development in and around a designated floodplain. This presentation will cover the basic floodplain program information, permit applications, and local floodplain programs.

CECs: Approved for CFMs – with active chat participation.

Presenter

Traci Sears – MT NFIP Coordinator | MT DNRC | Water Operations | Tsears@mt.gov



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▶ 4:00 pm – 4:30 pm

Streamlining the Permitting Process for Recovery

Description

This presentation will go over the fundamentals of both the PA and IA funding programs and touch on environmental and historic preservation requirements of both. When a disaster strikes, the capacity of local and state governments is often exceeded, and property damages may trigger federal thresholds for assistance. The Federal Emergency Management Agency (FEMA) offers recovery support programs in the form of Public Assistance (PA) and Individual Assistance (IA).

CECs: Approved for CFMs – with active chat participation.

Presenter:

Kyle Flesness – Environmental Advisor | FEMA | Kyle.flesness@fema.dhs.gov



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AGENDA

Thursday, November 16th, 2023

**Additional Floodplain Management Tools –
(3.5 CECs for CFMs has been approved for this day with active participation)**

▶ 8:00 am – 9:30 am

Determining a BFE in a Zone A

Description

Approximate Zone A's are areas on a FEMA Flood Insurance Rate Map (FIRM) not studied by detailed hydrologic/hydraulic methods. These areas are shown as "Zone A" without a Base Flood Elevation (BFE) identified on the FIRM or the Flood Insurance Study (FIS). Determining the BFE in these areas can be challenging, but guidance and new technology is available to assist in determining a BFE where there is no other information available. This training will review and provide guidance on various methods to determine a BFE in an Approximate Zone A.

CECs: Approved for CFMs – with active chat participation.

Presenters:

Rachel Mares, PE, CFM – Water Resource Engineer | WSP | Rachel.mares@wsp.com

Ben Rood, PE, CFM – Associate Engineer | WSP | ben.rood@wsp.com

▶ 9:30 am – 9:45 am

Break

▶ 9:45 am – 10:15 am

New Elevation Certificate

Description

FEMA issued a new edition of the Elevation Certificate. This presentation will go over the changes and new requirements for the document. We will go over the how-tos whether looking at compliance, LOMCs or insurance.

CECs: Approved for CFMs – with active chat participation.

Presenters: **Diana Herrera** -Flood Insurance Specialist| FEMA Region VIII | Diana.Herrera@fema.dhs.gov



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▶ 10:15 am – 12:00 pm

Floodproofing Certificate

Description

FEMA issued a new edition of the Floodproofing Certificate. This presentation will go over the changes and new requirements for the document. We will go over the how-tos whether looking at compliance, LOMCs or insurance.

CECs: Approved for CFMs – with active chat participation.

Presenter: **Diana Herrera** -Flood Insurance Specialist | FEMA Region VIII | Diana.Herrera@fema.dhs.gov

▶ 12:00 pm – 1:00 pm

Break

▶ 1:00 pm – 2:30 pm

HUD Manufactured Homes Installation Regulations

Description

Discussion on the HUD Model Manufacture Home Installation Standards that serve as the basis for developing the manufacturers’ installation instructions as required by federal regulations.

Presenters

Angelo Wallace – |HUD| Angelo.M.Wallace@hud.gov

Thank you for attending!