

APPENDIX A | AGENCY CORRESPONDENCE

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EM: C. Lummington
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U.S. FISH AND WILDLIFE SERVICE	
<input type="checkbox"/> NO CONCERNS	
<input checked="" type="checkbox"/> CONCUR NOT LIKELY TO ADVERSELY AFFECT	
<input type="checkbox"/> NO COMMENT	
<i>Susan C. Linner</i> 1/21/14	
SUSAN C. LINNER	DATE
COLORADO FIELD SUPERVISOR	



U.S. Department of Homeland Security
FEMA DR-4145-CO
9200 E. Mineral Ave
Centennial, CO 80112

January 15, 2014

MEMORANDUM TO: United States Fish and Wildlife Service

FROM: Federal Emergency Management Agency, Region VIII

SUBJECT: Concurrence on Not Likely to Adversely Affect Determination for Various Projects in Jamestown, Boulder County, CO

Beginning on September 11, 2013, Colorado experienced a series of wide-spread rainstorms that resulted in damage to dozens of roads, bridges, and other structures. The President signed the Disaster Declaration for FEMA-4145-DR-CO on September 14, 2013. The Federal Emergency Management Agency (FEMA) requests concurrence from the U.S. Fish and Wildlife Service (USFWS) on the finding of "may effect, but not likely to adversely affect" for proposed projects to repair, relocate and replace infrastructure, acquire and demolish properties and restore, relocate or otherwise engineer rivers in the Town of Jamestown and surrounding Boulder County in the state of Colorado that were damaged as a result of the heavy rainfall and flooding caused by the storms.

Some specific items of work may include, but will not be limited to:

- Operating equipment within the waterway as needed for retrieval of flood debris, roadway material and to allow repair, replacement and relocation of damaged facilities
- Placement of buildings, bridges, crossings, utilities, staging areas, access and safety features, as needed during construction
- Repair, replacement and relocation of damaged buildings, bridges, roadways, utilities and ancillary facilities (such as paths, trails, and bike lanes)
- Channel modifications necessary to reestablish embankments and accommodate repair, replacement and relocation of facilities
- Repair, replacement and relocation of culverts, pipes and other drainage structures
- Repair, replacement and relocation of signals, signs, pavement marking, and safety features such as guardrail, etc.

The summary Town of Jamestown Stream Corridor Master Plan (Master Plan) is attached as Appendix A. Grant conditions are attached as Appendix B. Information on specific work locations is provided in the table below.

Grant Conditions for Species Protection

Preble's Meadow Jumping Mouse (Zapus Hudsonius Preblei)

General Conservation Measures for All FEMA Grant Funded Projects:

1. Obtain and comply with all applicable federal, tribal, state and local permits, including those required by the Clean Water Act Section 401 and Section 404 and floodplain development ordinance.
2. Minimize the amount of concrete, riprap, and other "hard," impermeable engineering features within the stream channel and riparian habitats. Use bioengineering techniques to stabilize stream banks when feasible.
3. Locate access routes, staging areas, and work areas within previously disturbed or modified areas when feasible.
4. Install limits of work fencing (e.g., orange barrier netting or silt fencing), signage, or other visible markers to delineate access routes and the project area from sensitive protected areas such as streams and wetlands. Use this fencing to enforce no-entry zones.
5. Hold a preconstruction briefing for onsite personnel to explain the limits of work and other conservation measures.
6. Follow regional stormwater guidelines and design best management practices (BMPs) to control contamination, erosion, and sedimentation during and after construction.
7. Locate utilities along existing road corridors, and if possible, within the roadway or road shoulder. Bury overhead utilities whenever possible. Directionally bore utilities and pipes underneath wetlands and streams.
8. To the maximum extent practicable, limit disturbing (e.g., crushing, trampling) or removing (e.g., cutting, clearing) all vegetation within riparian and adjacent upland habitats. Minimize the use of heavy machinery and use smaller equipment when possible.
9. During the Preble's active season (May 1 through November 1), work only during daylight hours to avoid disrupting Preble's nocturnal activities
10. Use native, weed-free seeds, plants, and mulch to re-vegetate all areas of disturbance.
11. For movement of construction vehicles over wetlands - Utilize cut/cover approach during active season, but post-weaning period. This approach entails the cutting of sandbar willows (*Salix interior*) to a height of 6-inches and placement of geotextile fabric over the trimmed willows and placement of 12-inches of loose straw, followed by 2-feet of clean fill material. Once construction activities have been completed in that area, the soil and straw lifts and geotextile membrane are removed with a toothless bucket of a front end loader.
12. Temporary lighting will be used with directional shielding to focus the lighting onto the driving surface or project construction area. All permanent lighting must be dark-sky compliant. Lighting will be limited to the extent necessary to meet safety requirements.

Conditions Specific to FEMA Grant Funded Projects in Boulder County

1. During the Preble's active season (May 1 through November 1), work only during daylight hours to avoid disrupting Preble's nocturnal activities.
2. Limit construction activities to outside of the breeding season of Mexican Spotted Owl (mid-February through the end of September).

3. Limit construction activities to outside of the rearing season for Canada Lynx (May through July).
4. Limit construction activities to outside of the rearing season for North American Wolverine (January through April).
5. Box culverts must meet culvert size requirements according to FHWA guidelines, in order to not impede movement for the Canada Lynx or North American Wolverine. Box culverts must be equal to or greater than the existing culvert size. (For culvert size requirements, please refer to:
http://www.cflhd.gov/programs/techDevelopment/wildlife/documents/02_Title_Forward_TO_C.pdf)
6. Conduct activities outside of spawning season for Greenback Cutthroat Trout (late May - mid July).
7. Bridge deck debris must be captured and/or contained to prevent material from entering the channel.
8. Install protective netting over water intake devices to prevent fish from being harmed.