

3.7 MAPS

Map 1 - Montana bull trout (*Salvelinus confluentus*) distribution map.

This map was created July, 2008, by the U.S. Fish and Wildlife Service Montana Ecological Services Field Office. It is intended to serve as a guide to inform users of the known and suspected current distribution of bull trout for the State of Montana. The map is titled as a DRAFT, only to indicate that distribution of bull trout is dynamic and may change. Mapped stream segments represent approximate distribution, based on best available information, and should not be interpreted as providing an absolute indicator of bull trout presence or absence at a specific site. This map should not be used as a substitute for more comprehensive on-site field surveys. Streams color coded as “Unspecified Occupancy” indicate a historical record of bull trout presence, but lacks recent survey for confirmation. Streams color coded as “Unspecified or Unsurveyed” indicate either no historical record of bull trout, or no recent survey.

Map 2 - Montana bull trout (*Salvelinus confluentus*) local population map.

This map was created June, 2009, by the U.S. Fish and Wildlife Service Montana Ecological Services Field Office. It is intended to serve as a guide to inform users of the 6th code hydrologic units (HUC) with known bull trout spawning and rearing habitat in the State of Montana. Dominant land ownership is indicated for the 6th HUC’s with spawning and rearing habitat. Streams color coded as “Unspecified Occupancy” indicate a historical record of bull trout presence, but lacks recent confirmation. Streams color coded as “Unspecified or Unsurveyed” indicate either no historical record of bull trout, or no recent survey.

Maps 3-12 - Montana bull trout (*Salvelinus confluentus*) federally designated critical habitat maps.

- Map 3 - Swan River - Designated Critical Habitat
- Map 4 - Bitterroot River - Designated Critical Habitat
- Map 5 - Clark Fork River - Designated Critical Habitat
- Map 6 - Clearwater River - Designated Critical Habitat
- Map 7 - Kootenai River - Designated Critical Habitat
- Map 8 - Middle Fork Flathead River - Designated Critical Habitat
- Map 9 - North Fork Flathead River - Designated Critical Habitat
- Map 10 - South Fork Flathead River - Designated Critical Habitat
- Map 11 - Rock Creek - Designated Critical Habitat
- Map 12 - Saint Mary River - Designated Critical Habitat

These maps were posted in the federal register (75) #200, October 18, 2010 and were officially adopted on November 17, 2010 by the U.S. Fish and Wildlife Service. The data layers were created using U.S. Geological Survey (USGS) Hydrologic Unit Code maps (HUCs) at a scale of 1:250,000 down to the 4th level cataloging unit. In some cases, 5th and 6th level HUCs were also used and some finer scale watersheds developed using USGS 10-meter Digital Elevation Model and 1:24,000 scale hydrographic layers. Lakes and streams that are color coded in red are bull trout designated critical habitat areas.

In developing the final designation that will be managed as critical habitat throughout the range of the bull trout, the Service excluded 1,707 miles of streams (9.0 percent), 19,396 acres of lakes and reservoirs (4.0 percent) and 216 miles of marine shoreline (28.7 percent) of suitable critical habitat from the 2010 proposed designation because they are areas where key partners of the Service, including tribes, military and some state agencies and landowners with Habitat Conservation Plans, have formally committed to protect bull trout habitat; these waters are considered Essentially Excluded Critical Habitat. Essentially Excluded Critical Habitat is color coded in green on the attached critical habitat maps. The agency is required to determine effects of our practice(s) on only the individuals of bull trout within these reaches.