

Downstream examples



Erosion immediately downstream

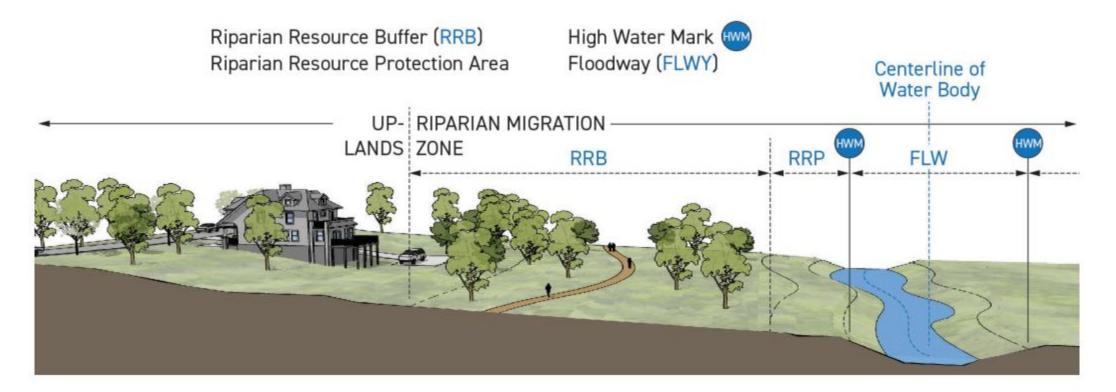


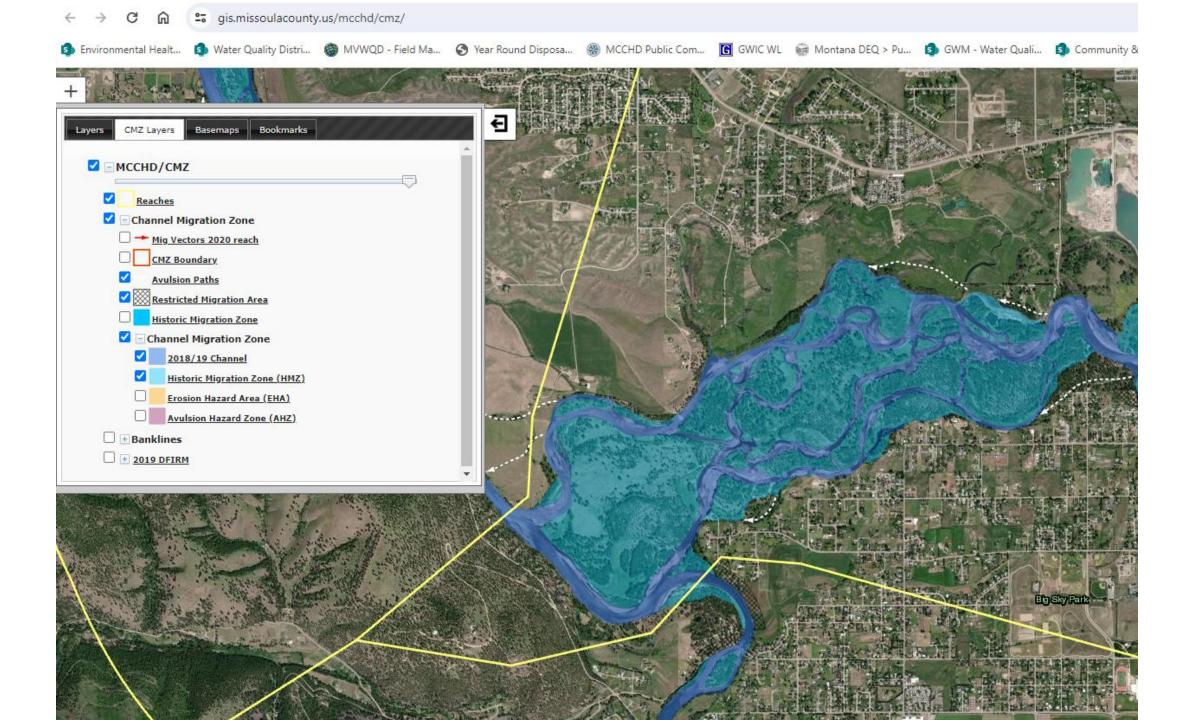


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FIG. 4 Riparian Resource Measurements





C) Riparian Resource Protection Area (RRPA) Required.

- 1. A minimum 50-foot setback whose measurement is described in Section 7.4.E. is required to protect all riparian resources as defined by these regulations.
- 2. Those areas within the 50-foot Riparian Resource Protection Area (RRPA) absent of riparian and/or hydrophilic vegetation, including canopy cover of said vegetation, as mapped by a qualified professional specializing in riparian resource systems and species, may be excluded from the RRPA and designated within the Riparian Resource Buffer described in Section 7.4.D. below.
- Riparian or hydrophilic vegetation shall not be removed or altered so as to eliminate it from inclusion in the Riparian Resource Protection Area. Where riparian or hydrophilic vegetation has been removed or altered within the 50-foot protection area, that area shall be designated as included within the RRPA and subject to all standards for Riparian Resource Protection Areas.
- 4. Riparian Resource Protection Areas are not required adjacent to wetlands.

- The Riparian Resource Protection Area (RRPA) shall be measured as a horizontal distance landward from one of the following:
 - a. Where the Channel Migration Zone (CMZ) is mapped, the edge of the 2018/2019 channel, or
 - b. Where the CMZ is not mapped, the mean high-water mark of rivers, streams, creeks, natural lakes, and ponds.
 - c. There is no requirement for a Riparian Resource Protection Area adjacent to wetlands.
- 2. The Riparian Resource Buffer shall be measured landward as a horizontal distance as ___ an additional area from the established edge of the Riparian Resource Protection Area in accordance with Table 3, subject to the following:
 - a. Where the CMZ is mapped and the Historic Migration Zone (HMZ) extends beyond the Riparian Resource Buffer listed in Table 3, the boundary of the Riparian Resource Buffer shall be extended to include the HMZ plus an additional 50-feet from the boundary of the HMZ.
 - b. Riparian Resource Buffers measuring 50 feet in width shall be established around wetlands, measured from the upland edge of the wetland, in accordance with Table 3.