1

Frenchtown

Frenchtown Ditch

I-90

Huson

Six Mile Creek Confluence

Downstream Extent of Study Area

Reach 4

Reach 3

Figure 1: Bendway Migration from 1955-2005

2005

1972

1955

2

Stone Container Plant

Mullan Road

Frenchtown Ditch

Reach 3

Reach 2

Reach 2

Reach 1

Council Grove State Park

Council Hill

Grass Valley Ditch

Clark Fork/Bitterroot Confluence

Big Flat Ditch

Upstream Extent of Study Area

Floodway

2005 Channel

Historic Migration Zone (1955-2005)
-area of mapped channel occupation based on 1955, 1972 and 2005 air photos (see Fig. 1)

Erosion Buffer *-100-yr erosion buffer based on reach-scale mean migration distance; extended from 2005 banklines*

Alluvium Buffer, 2 x Mean Migration Distance

Alluvium Buffer, 2 x 75th Percentile Migration Distance

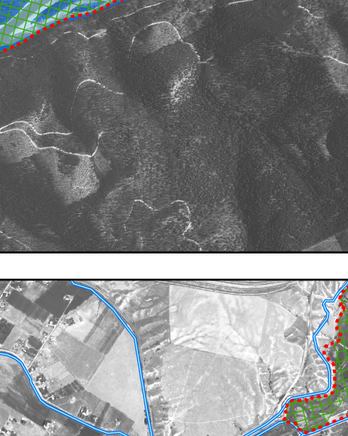
Avulsion Potential Zone *-area with relic channel remnants prone to reactivation*

Irrigation Ditches/Canals

Bank Armor: Rock and/or Tire Riprap

Dike/Levee

100-year Floodplain from Revised Prelim. DFIRM *-1% annual chance of flooding*



Clark Fork River Channel Migration Zone

Bitterroot River Confluence to Huson

Missoula County, Montana

1:18,000

0 0.5 1 Mile

0 0.5 1 Kilometer

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Development and Purpose of A Channel Migration Zone

The boundaries on this map are intended to provide a basic screening tool to help guide management decisions on the Clark Fork River, and do not provide regulatory boundaries. This map identifies a 100-year migration corridor for the Clark Fork River based on measured migration rates between 1955 and 2005. It includes the 2005 channel, historic channel locations since 1955, and an erosion buffer based on measured rates of ateral movement. Also identified are areas with relic channels prone to reactivation (Avulsion Potential Zone).

December 15, 2009