



Bank stabilization using rip-rap along the Yellowstone River.

Study Area

The upper Yellowstone River was mapped from the northern boundary of Yellowstone National Park near Gardiner, Montana to the bridge which crosses the river at Springdale, Montana (Figure 1). This is a reach of approximately 84 river miles and is bounded laterally by specific elevation contours identified on USGS topographic maps. The mapped area of approximately 85 square miles encompasses the majority of the area that has been flooded by the river in the last 300 years and therefore includes all wetland and riparian habitat adjacent to the river as well as surrounding land use. The study area covers all of the Paradise Valley where the majority of channel modifications have taken place. Portions of 14 topographic quads are covered in the study area including: Gardiner, Electric Peak, Dome Mountain, Miner, Dailey Lake, Emigrant, Pray, Dexter Point, Chimney Rock, Brisbin, Livingston, Mission, Elton and Springdale.