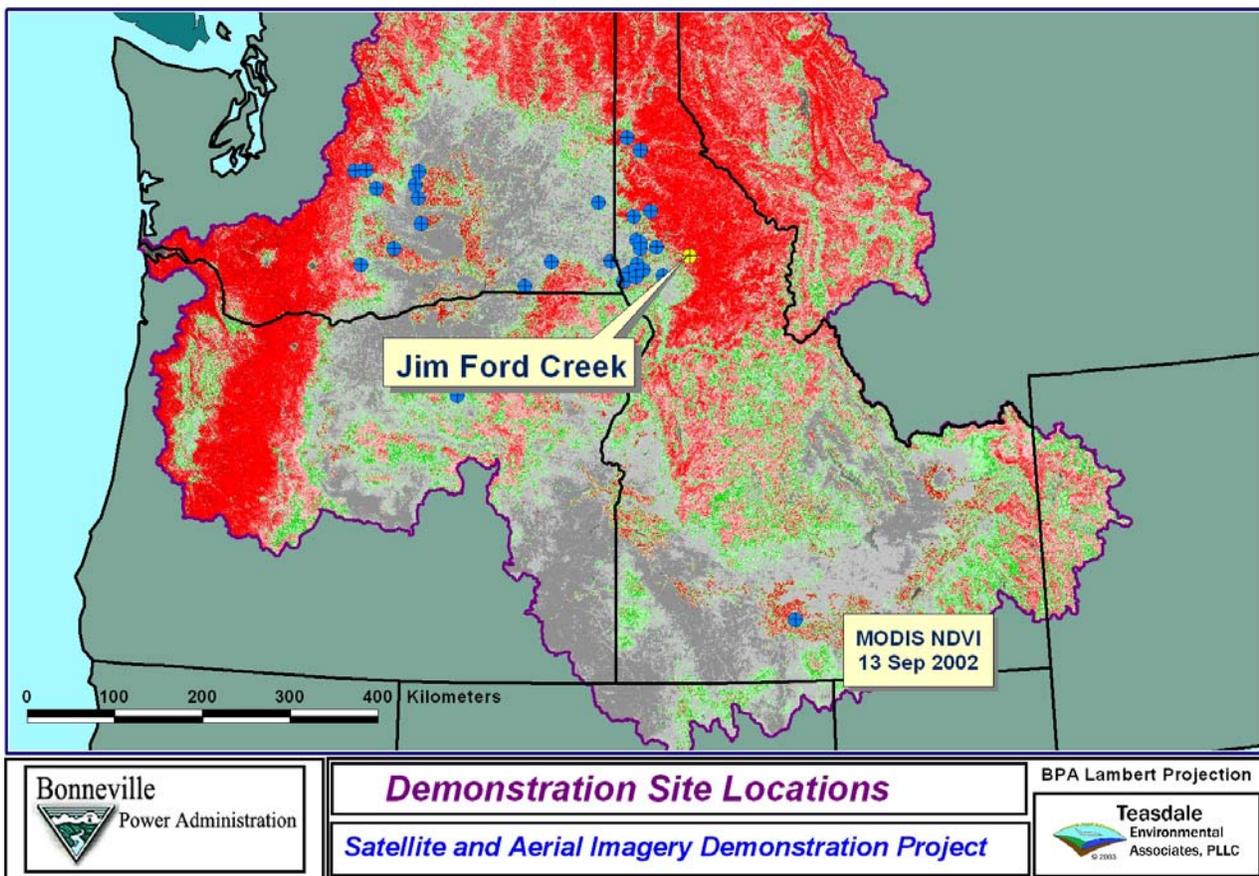


Jim Ford Creek	
Location	Weippe, Clearwater County, ID
Water body	Jim Ford Creek
Ecological Provenance	Mountain Snake
Subbasin Name	Clearwater
BPA Hydrologic Unit Code ID	3758
Hydrologic Unit Code, 6 th Level	170603061403
Watershed Name	Clearwater, ID



Unique Characteristics

Jim Ford Creek is a low gradient meandering stream that crosses the agricultural Weippe Prairie near the Town of Weippe, ID. The channel is somewhat incised in fine silt and clay soils. Vegetated riparian zones are narrow or non-existent and consist mostly of grass and forbs. Jim Ford Creek carries a high seasonal

suspended load following periods of rapid snowmelt. Lower Jim Ford Creek flows through steep forested canyon land to the Clearwater River.

Satellite imagery for this site includes Landsat 7 and ASTER. Digital color aerial imagery of the reach near Weippe was acquired on November 3, 2001. Ancillary data includes topographic DRG's, DOQ's, watershed boundaries, and national land cover data.

Objective

The primary objective was to image the Jim Ford Creek riparian zone near the town of Weippe to support soil and water conservation planning activities. Secondary objectives were to observe changes in land cover in the watershed with a time series of satellite images.

Results

The high-resolution digital aerial images reveal sloughed banks and pockets of wetland vegetation. Water color indicates a significant concentration of suspended sediment was carried by the stream following the moderate precipitation event preceding the flight. The November imagery shows the effect of sun angle on interpretability stream channel imagery and verifies the persistence of duck weed (lemna) on the surface of the wastewater treatment ponds. Progress of timber harvest can be seen in the series of satellite images.