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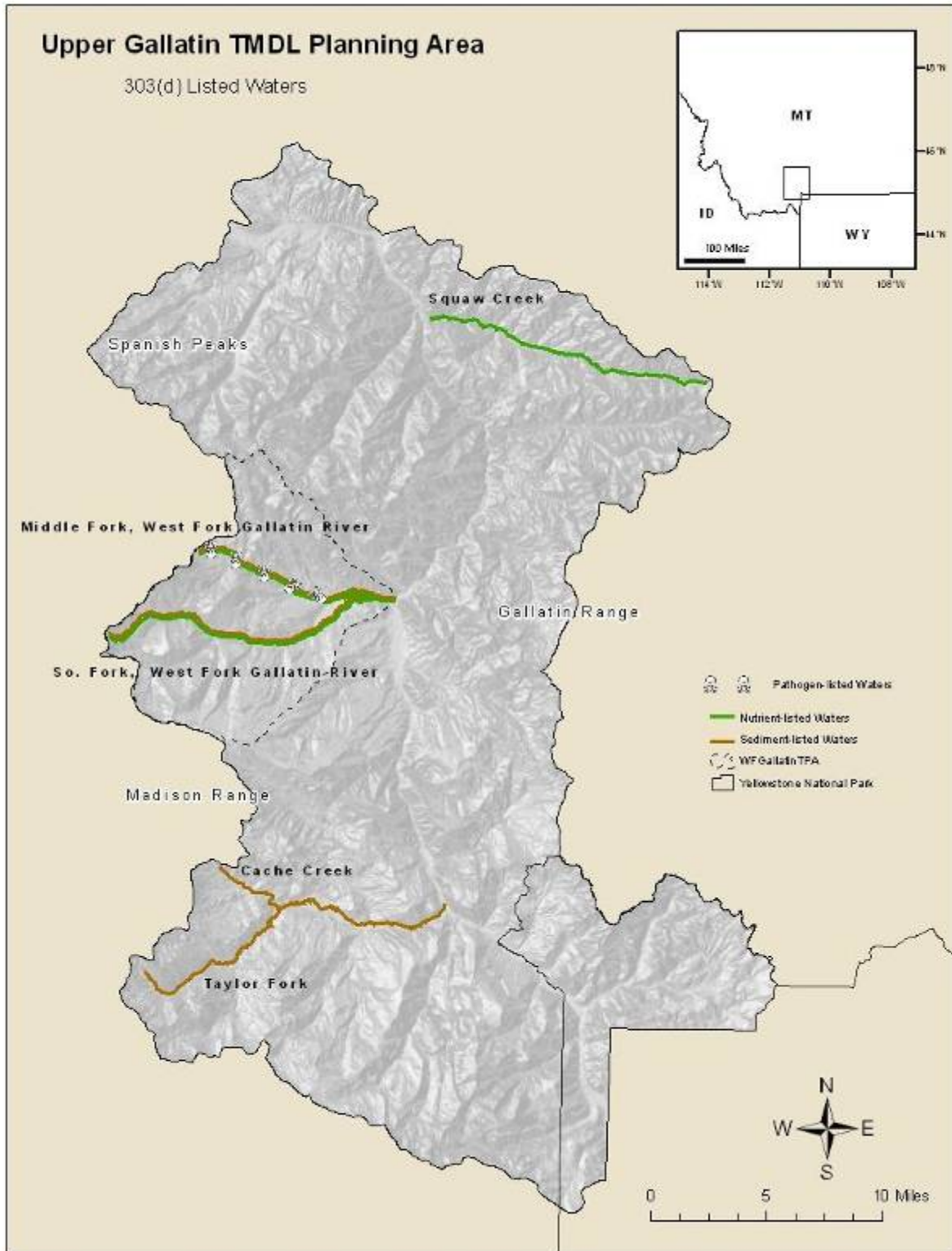


Figure 2-1. 303 (d) Listed Waters in the Upper Gallatin TMDL Planning Area

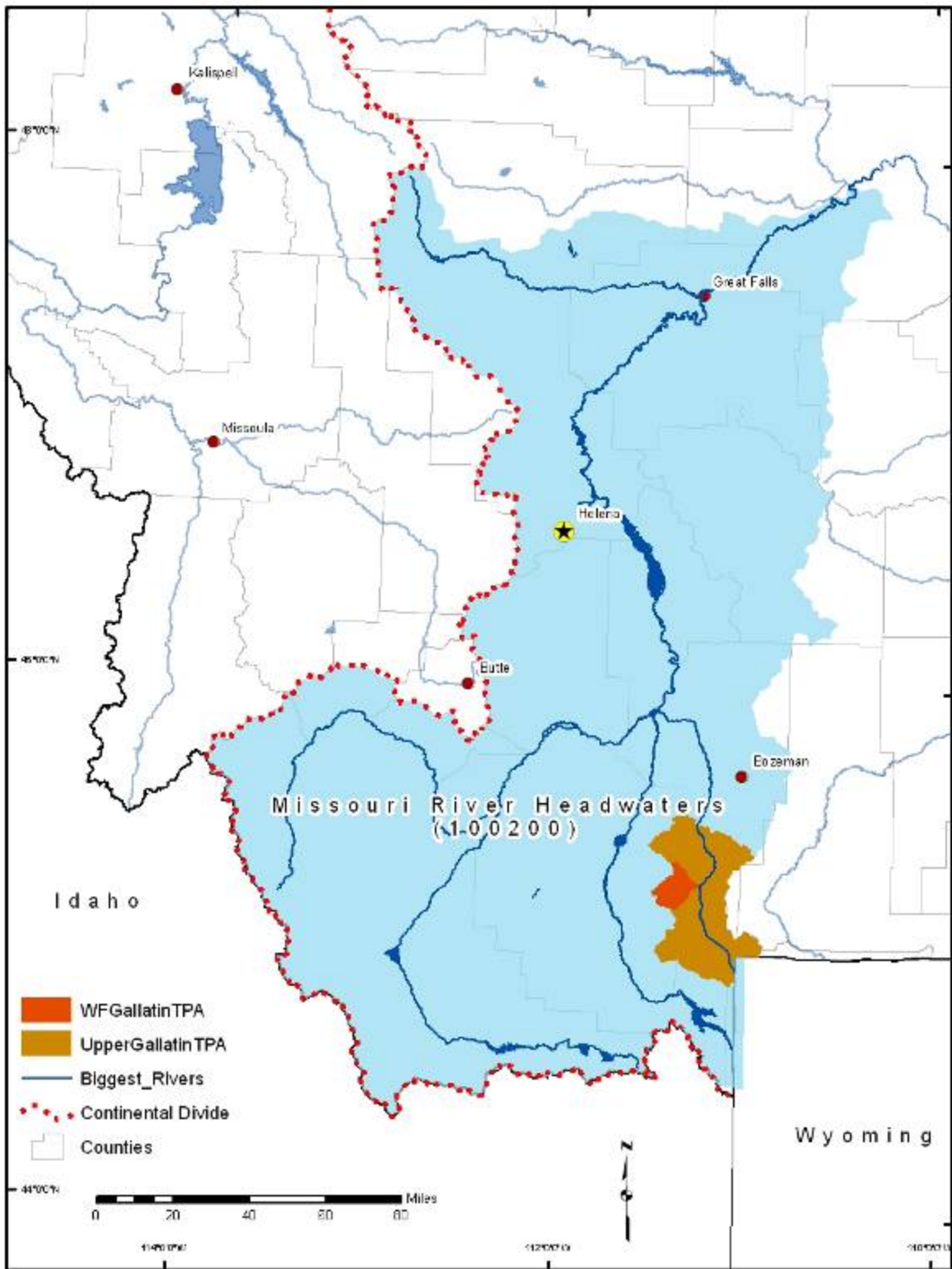


Figure 2-2. Overview Map: Upper Gallatin TMDL Planning Area

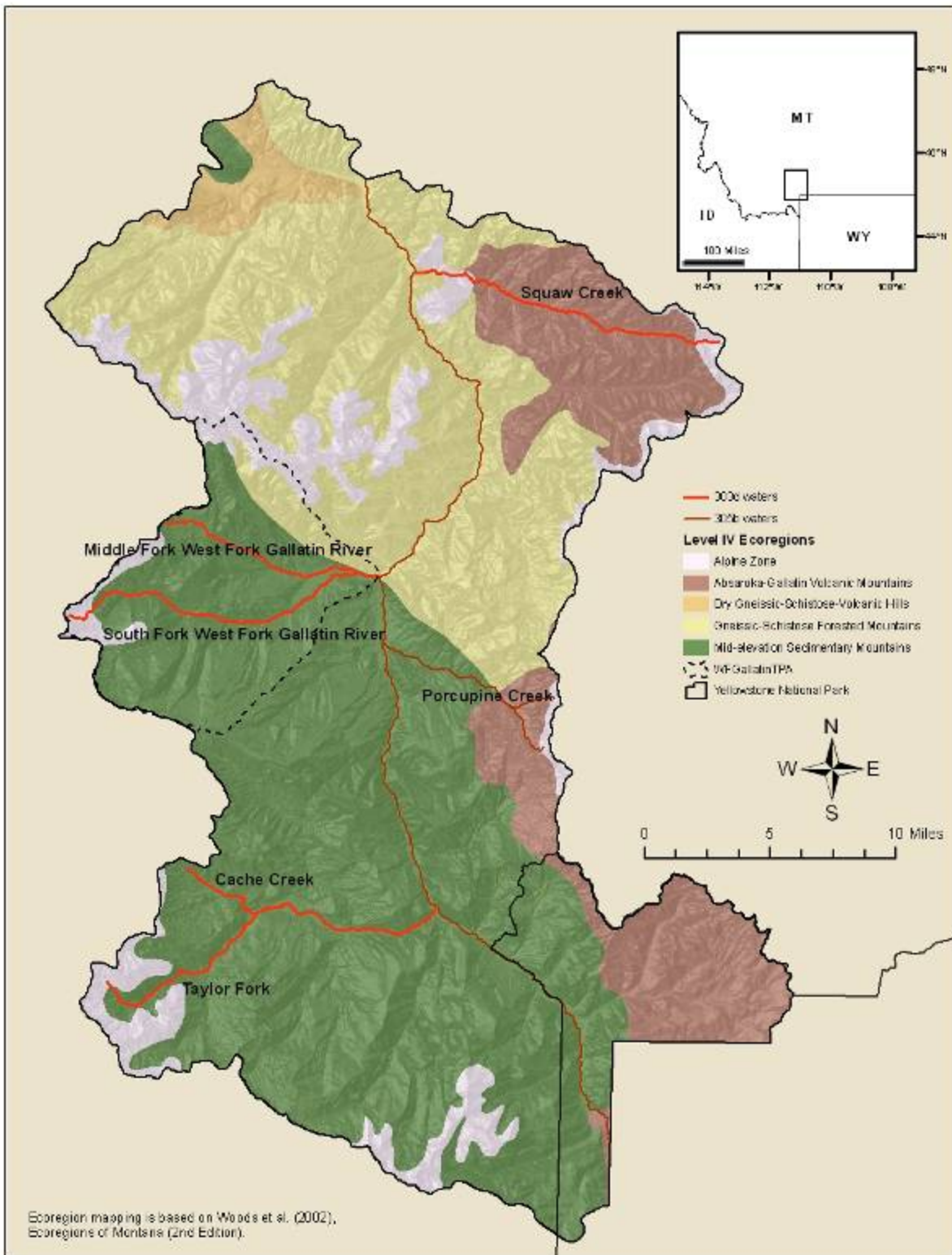


Figure 2-3. Level IV Ecoregions in the Upper Gallatin TMDL Planning Area

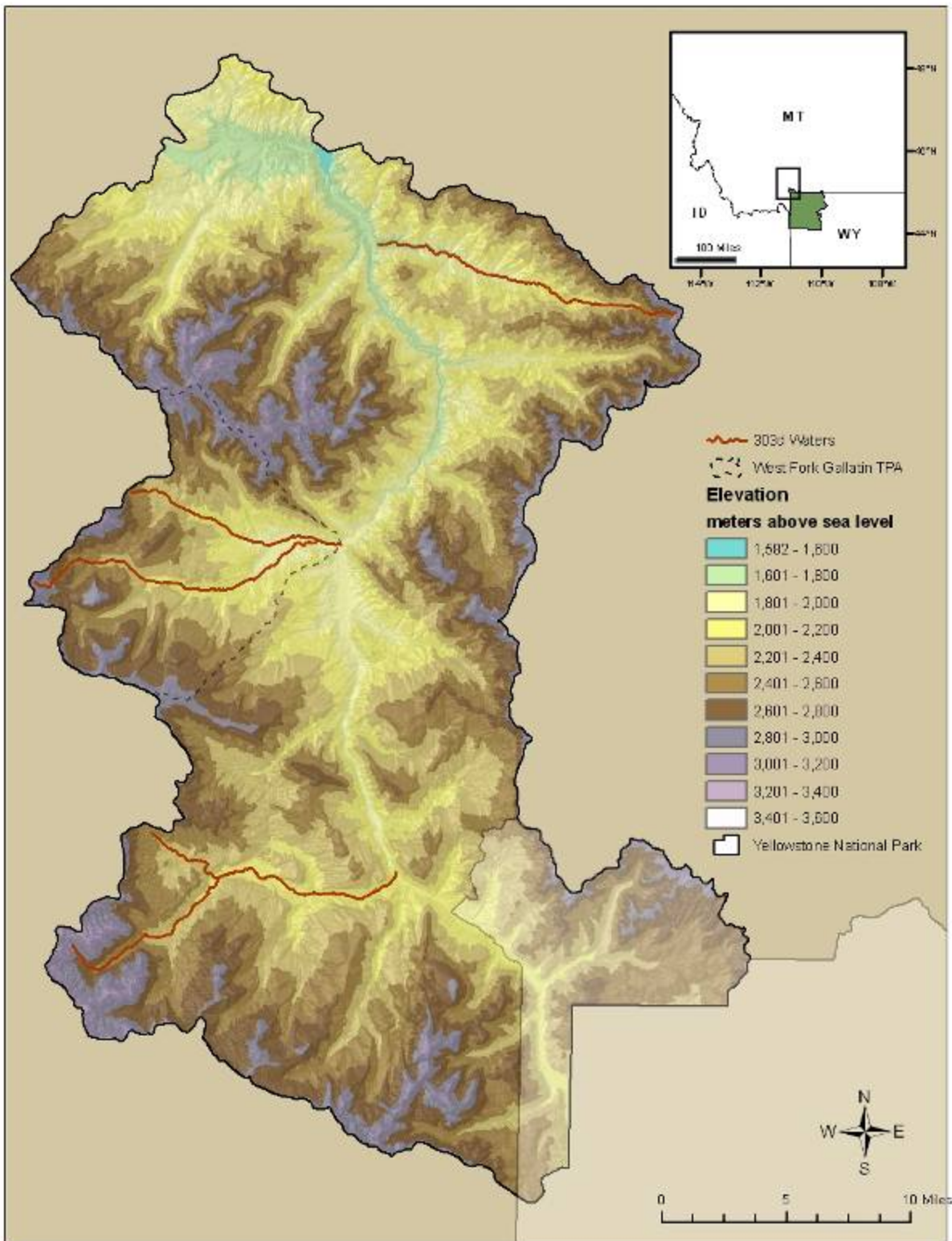


Figure 2-4. Topography of the Upper Gallatin TMDL Planning Area

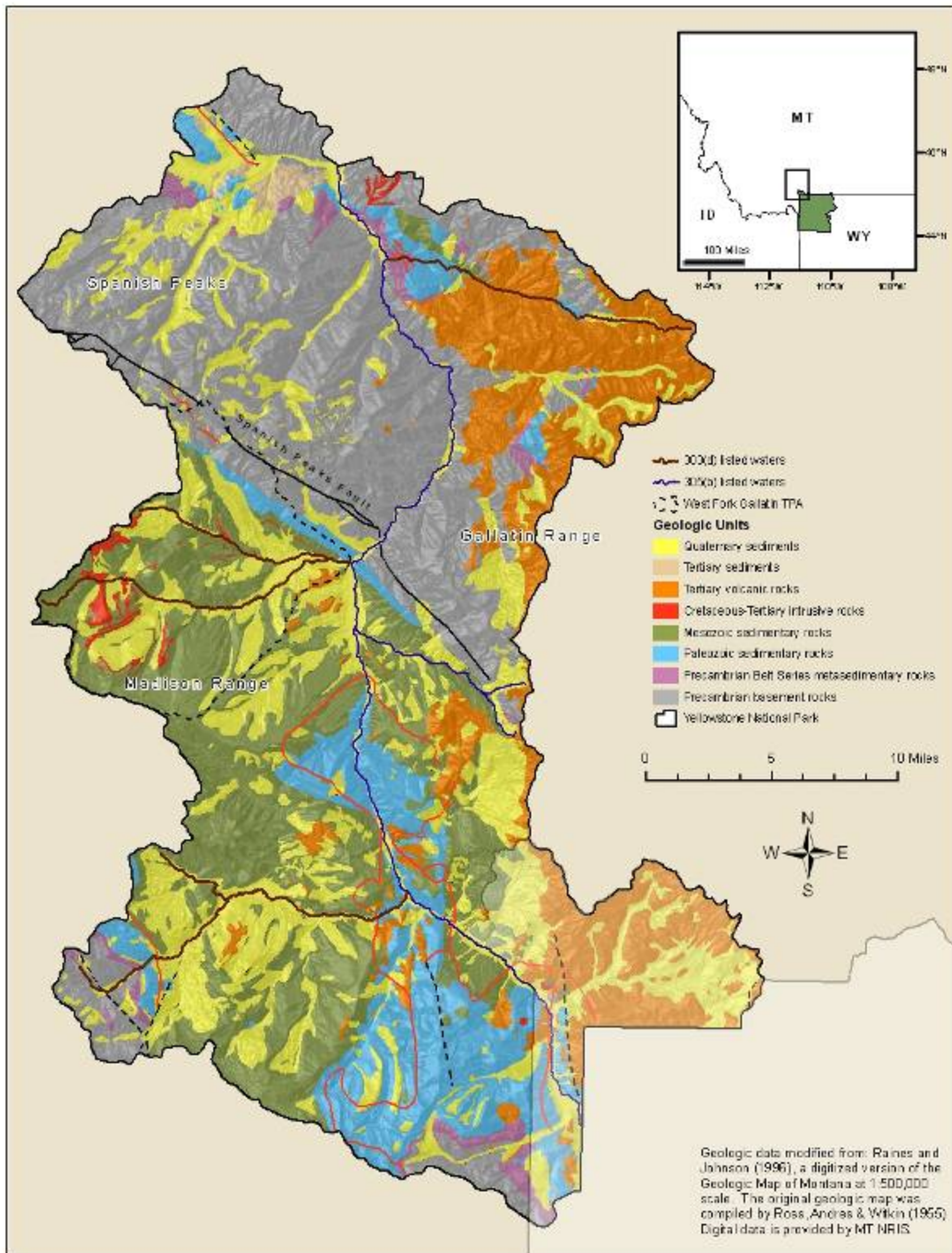


Figure 2-5. Geologic map of the Upper Gallatin TMDL Planning Area

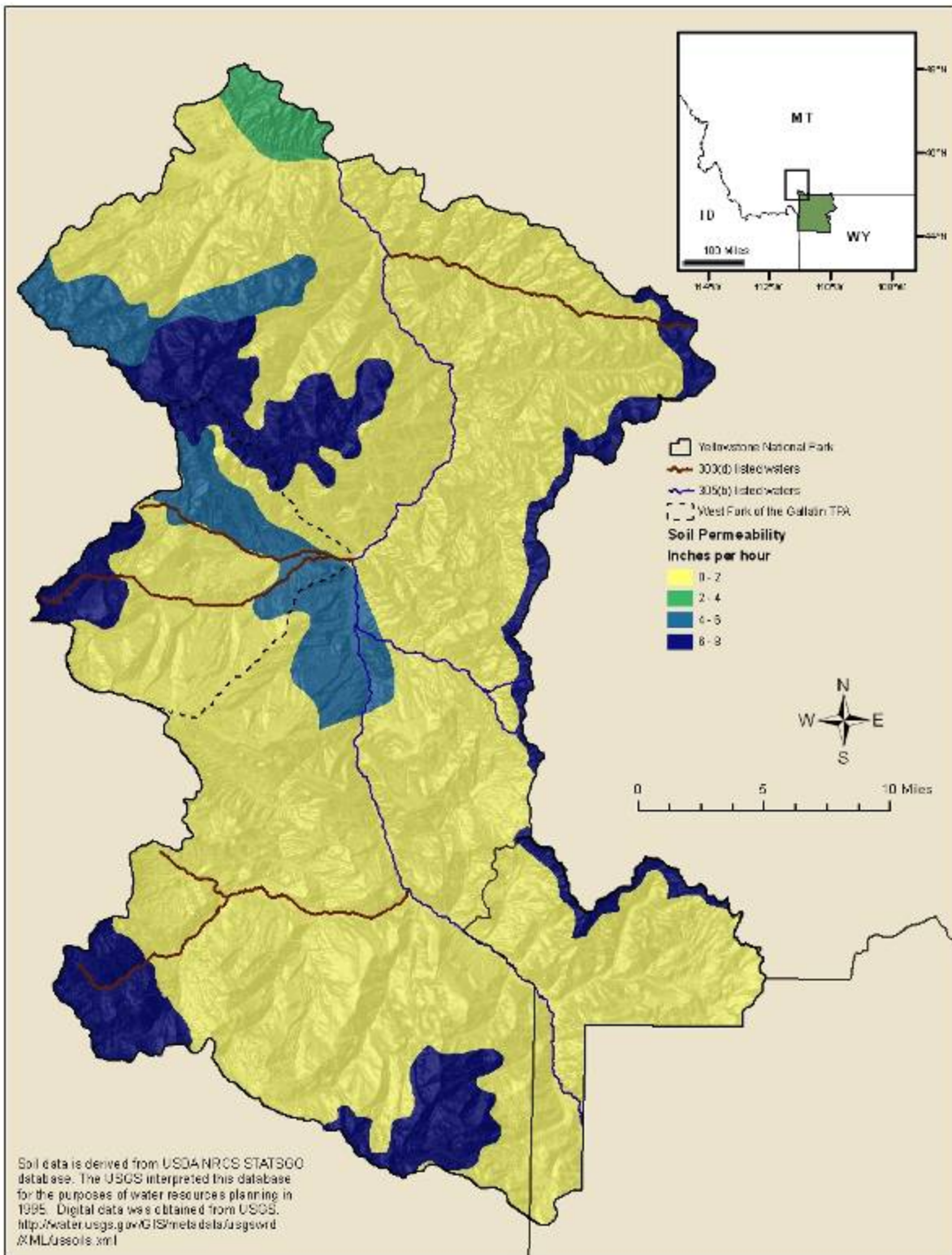


Figure 2-6. Soil permeability in the Upper Gallatin TMDL Planning Area



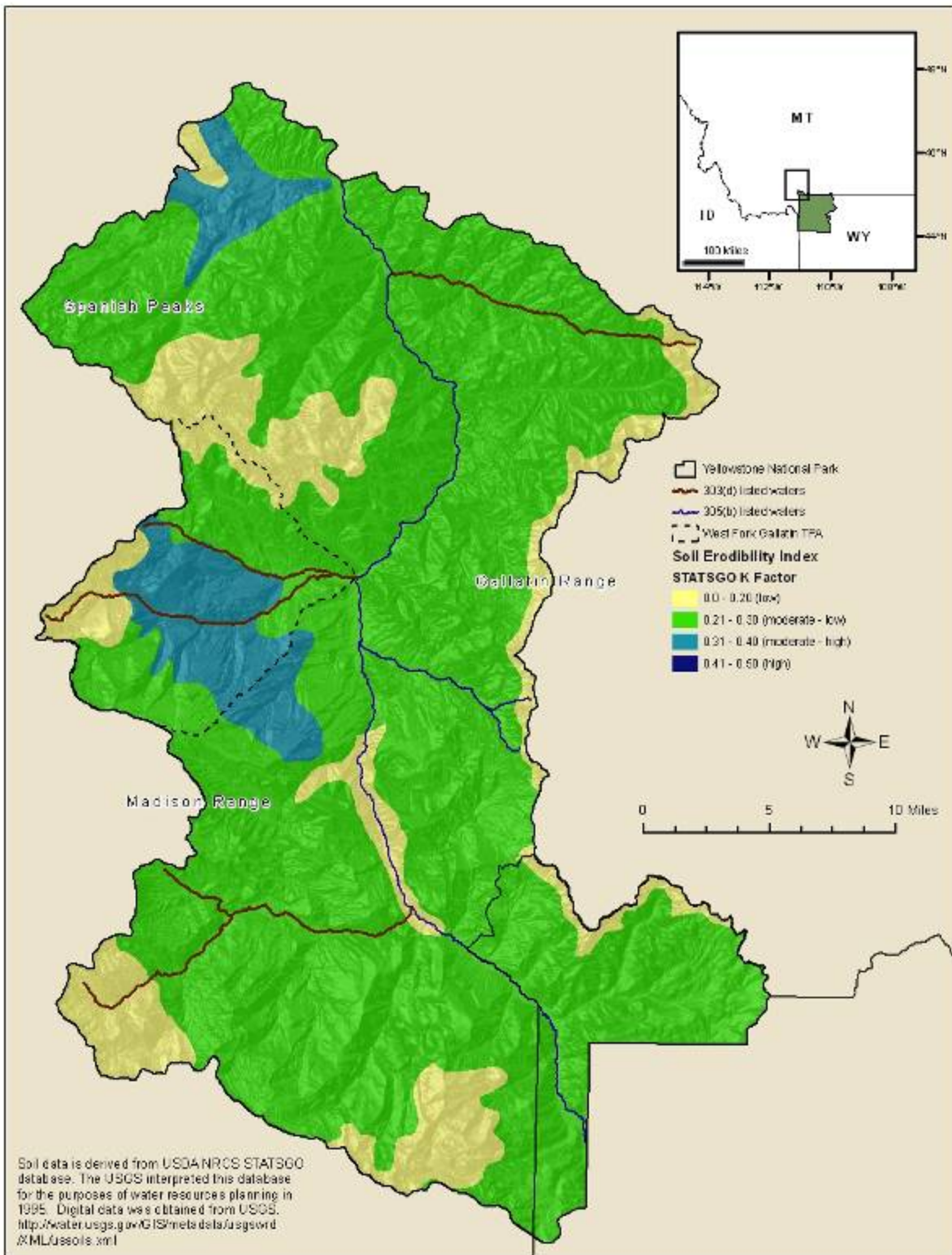
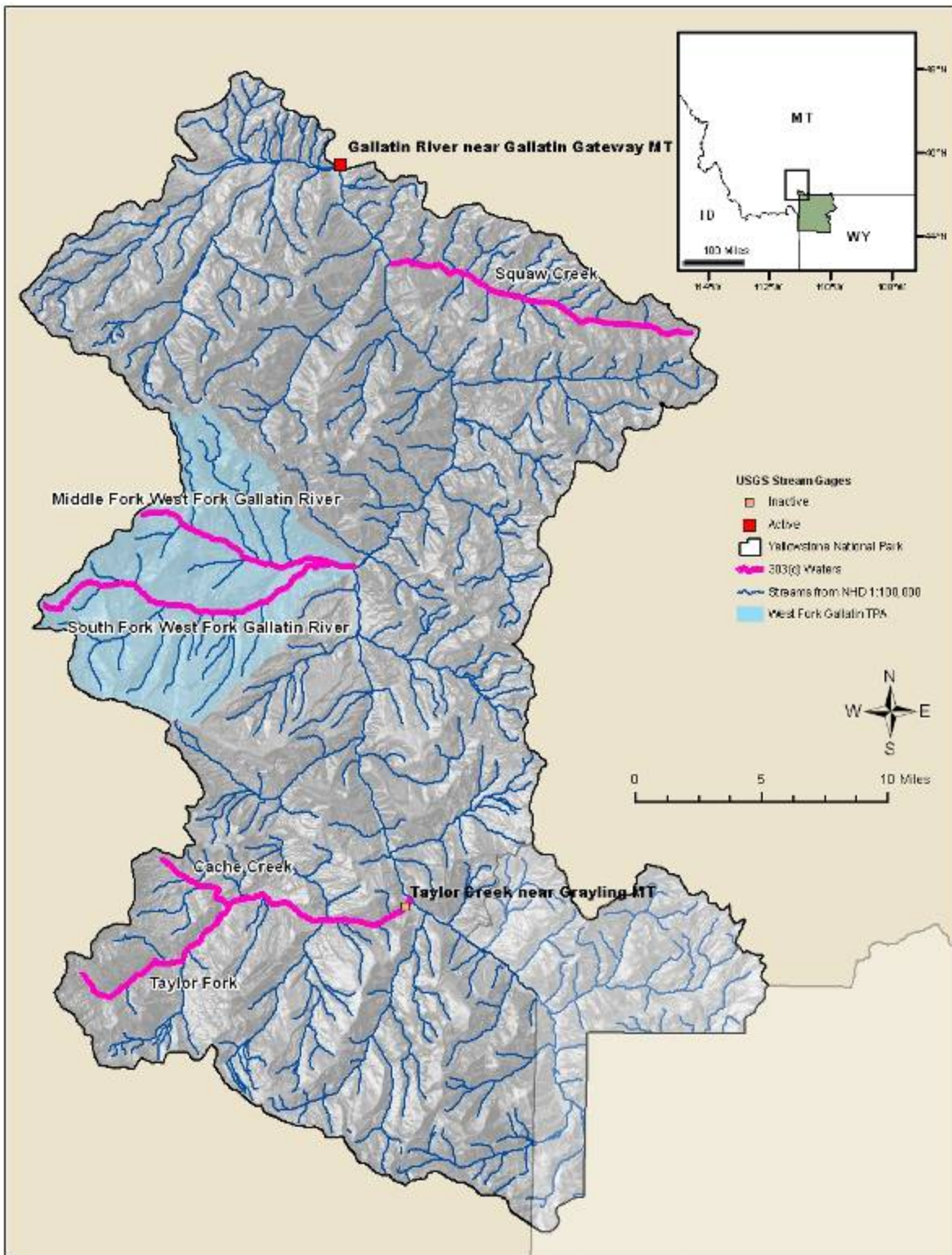
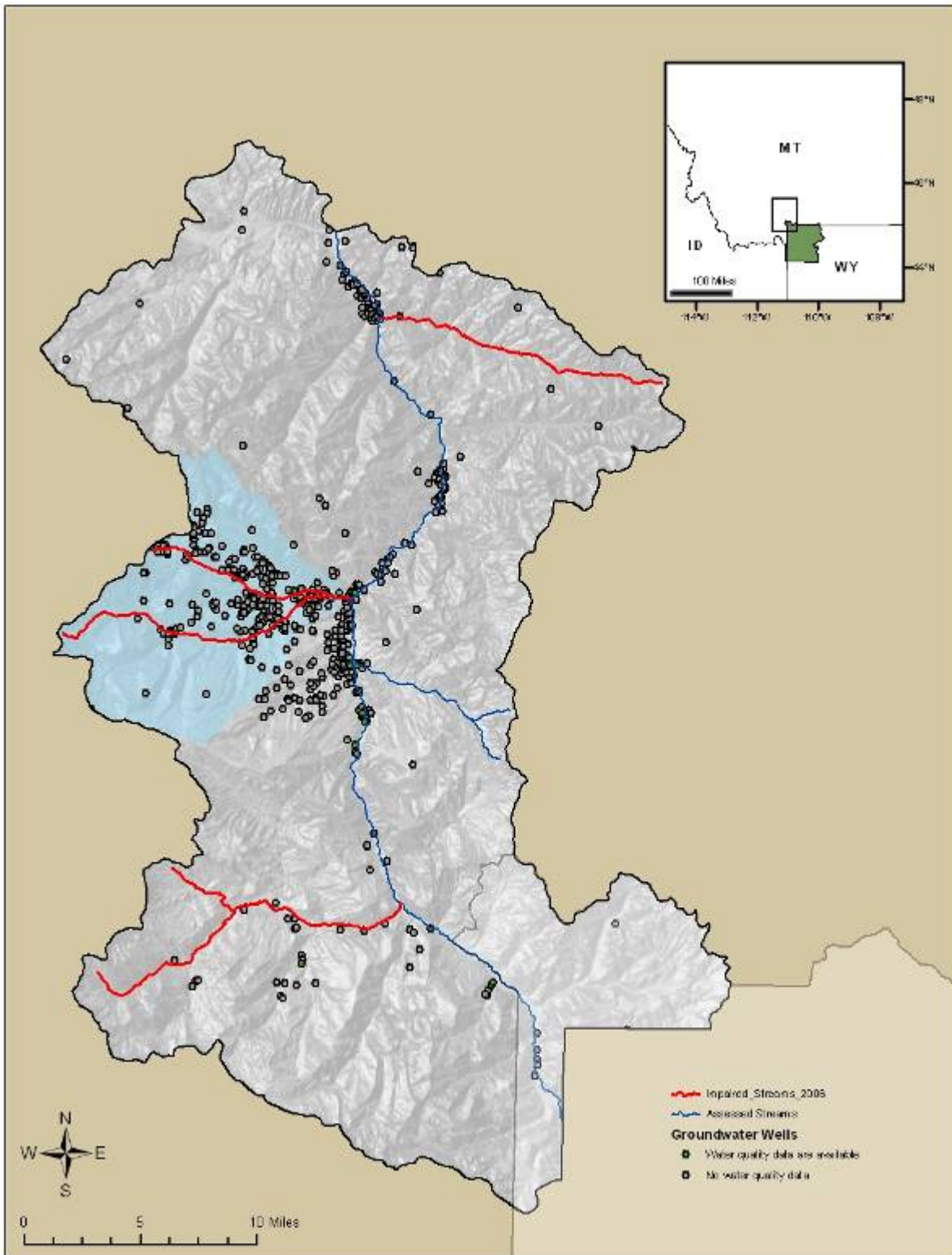


Figure 2-7. Soil erodibility in the Upper Gallatin TMDL Planning Area



**Figure 2-8. Hydrography and stream gaging stations in the Upper Gallatin TMDL Planning Area**



**Figure 2-10. Groundwater wells in the Upper Gallatin TMDL Planning Area**

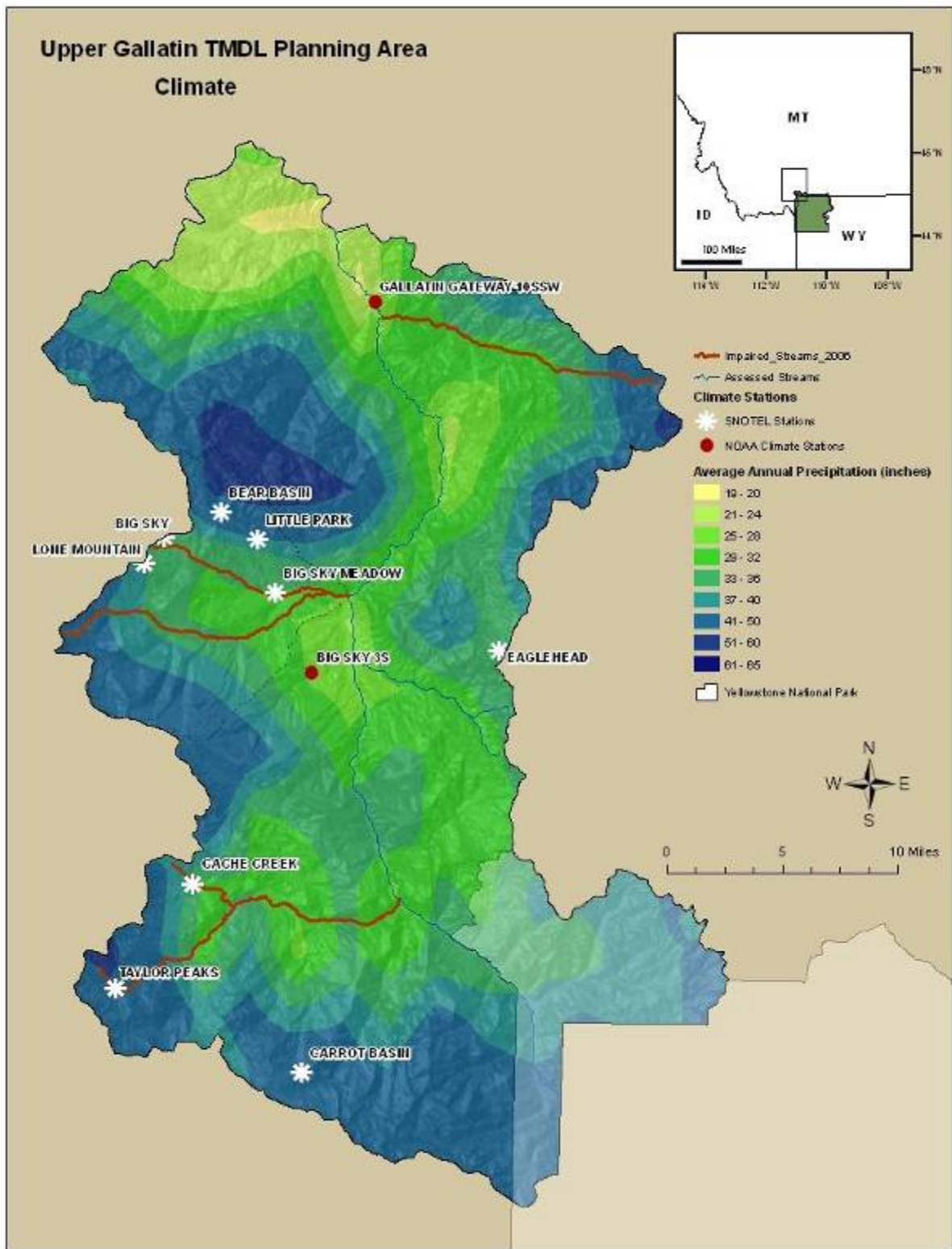


Figure 2-11. Average annual precipitation in the Upper Gallatin TMDL Planning Area

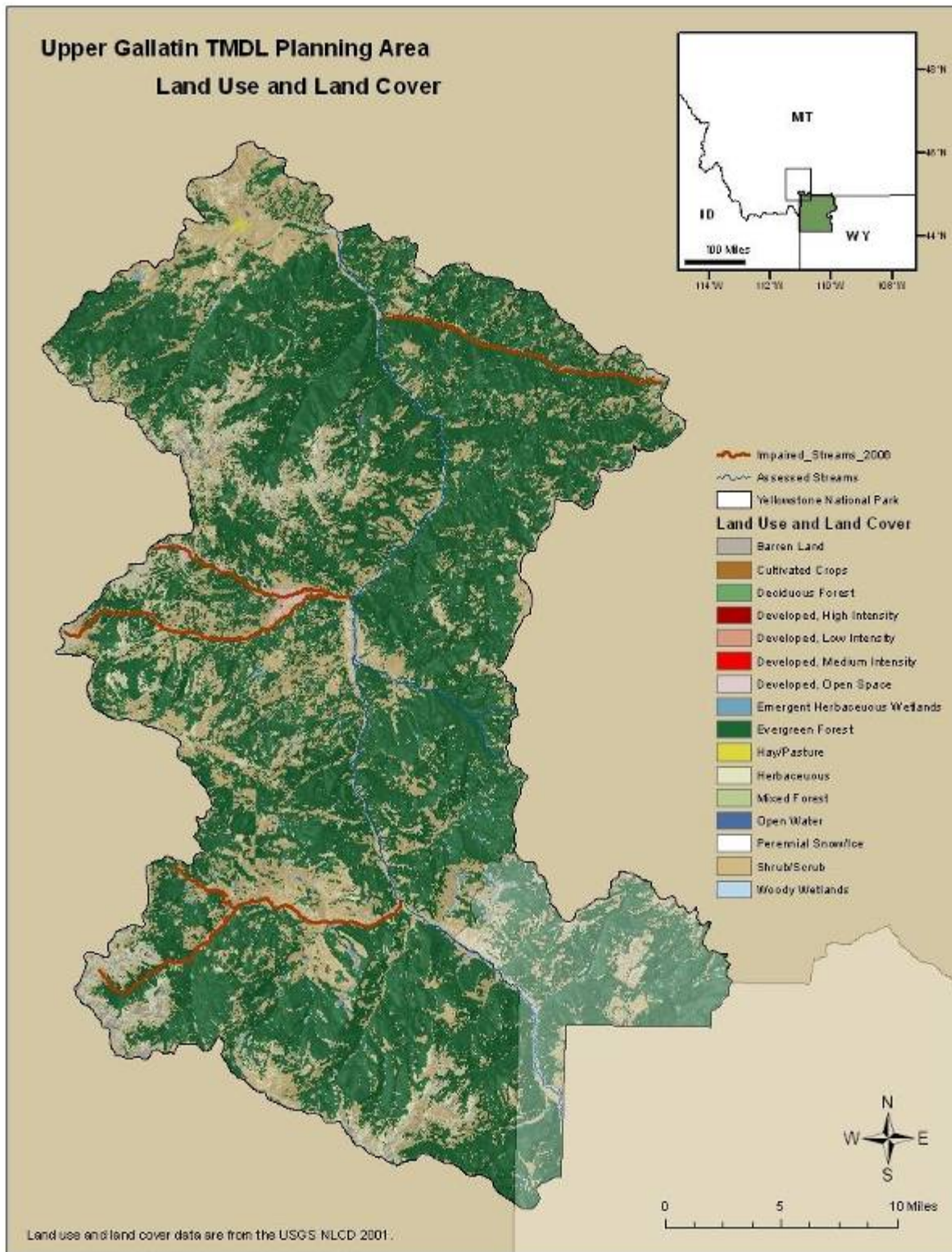


Figure 2-12. Land cover in the Upper Gallatin TMDL Planning Area

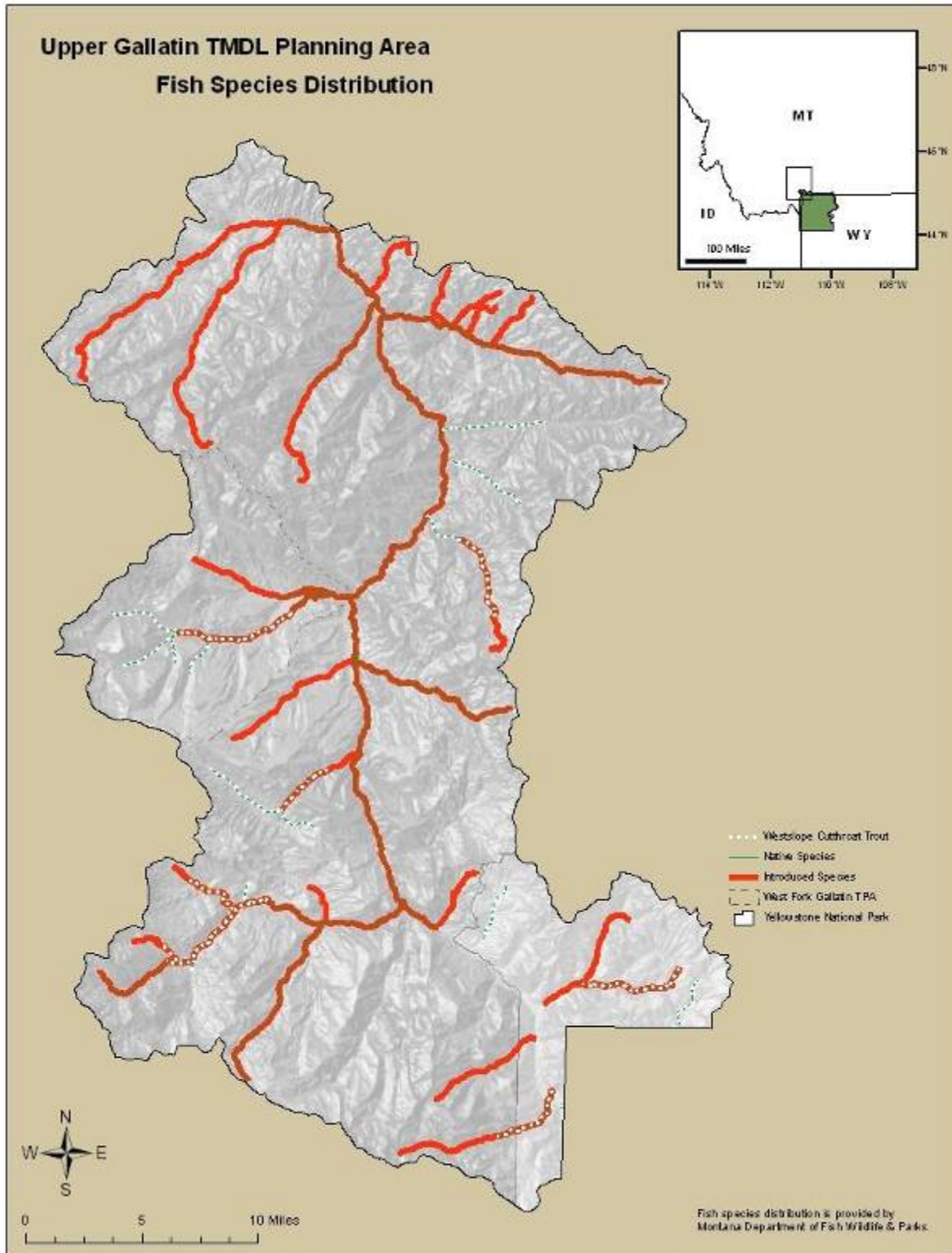
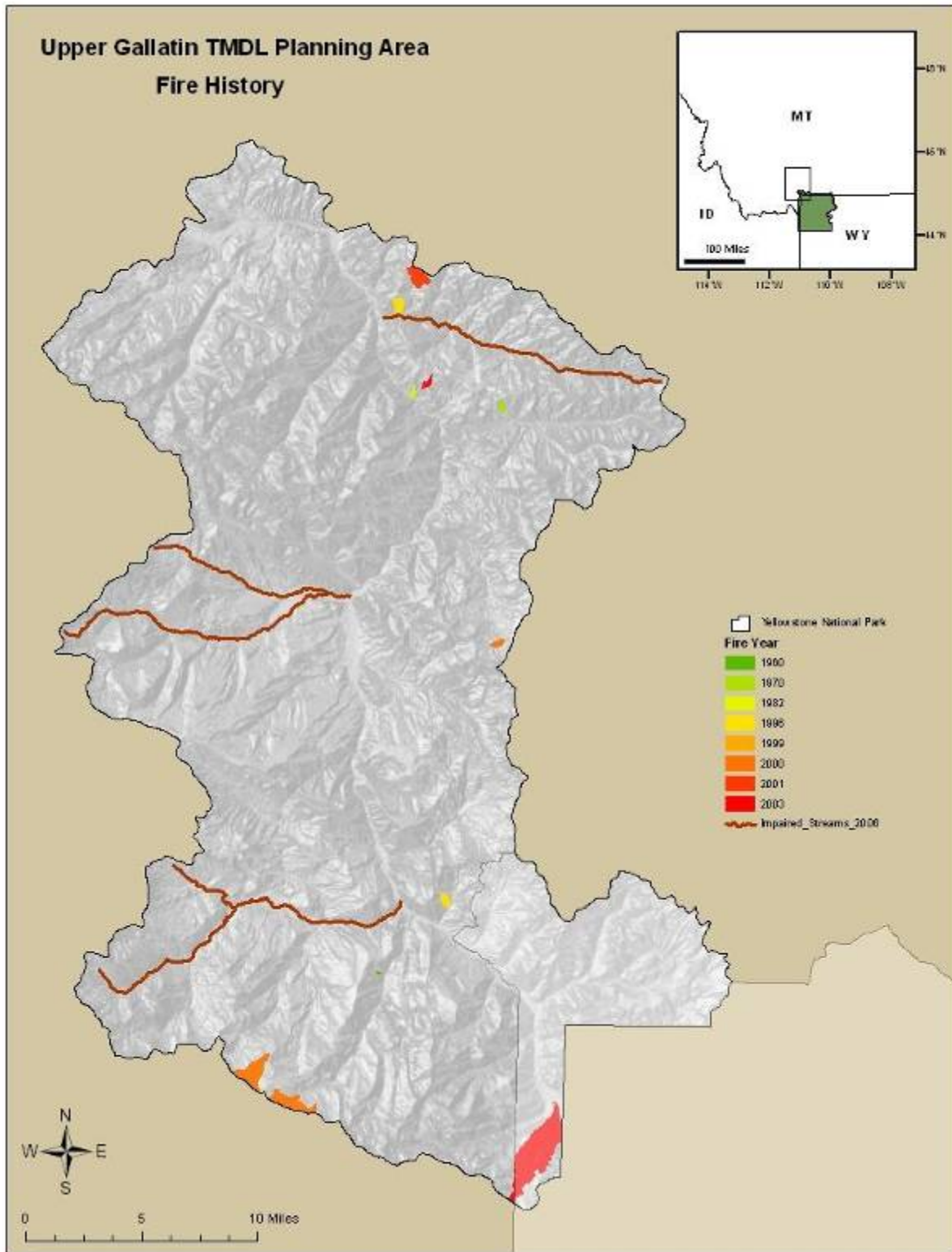


Figure 2-13. Fish species distribution in the Upper Gallatin TMDL Planning Area



**Figure 2-14. Wildfire history in the Upper Gallatin TMDL Planning Area**

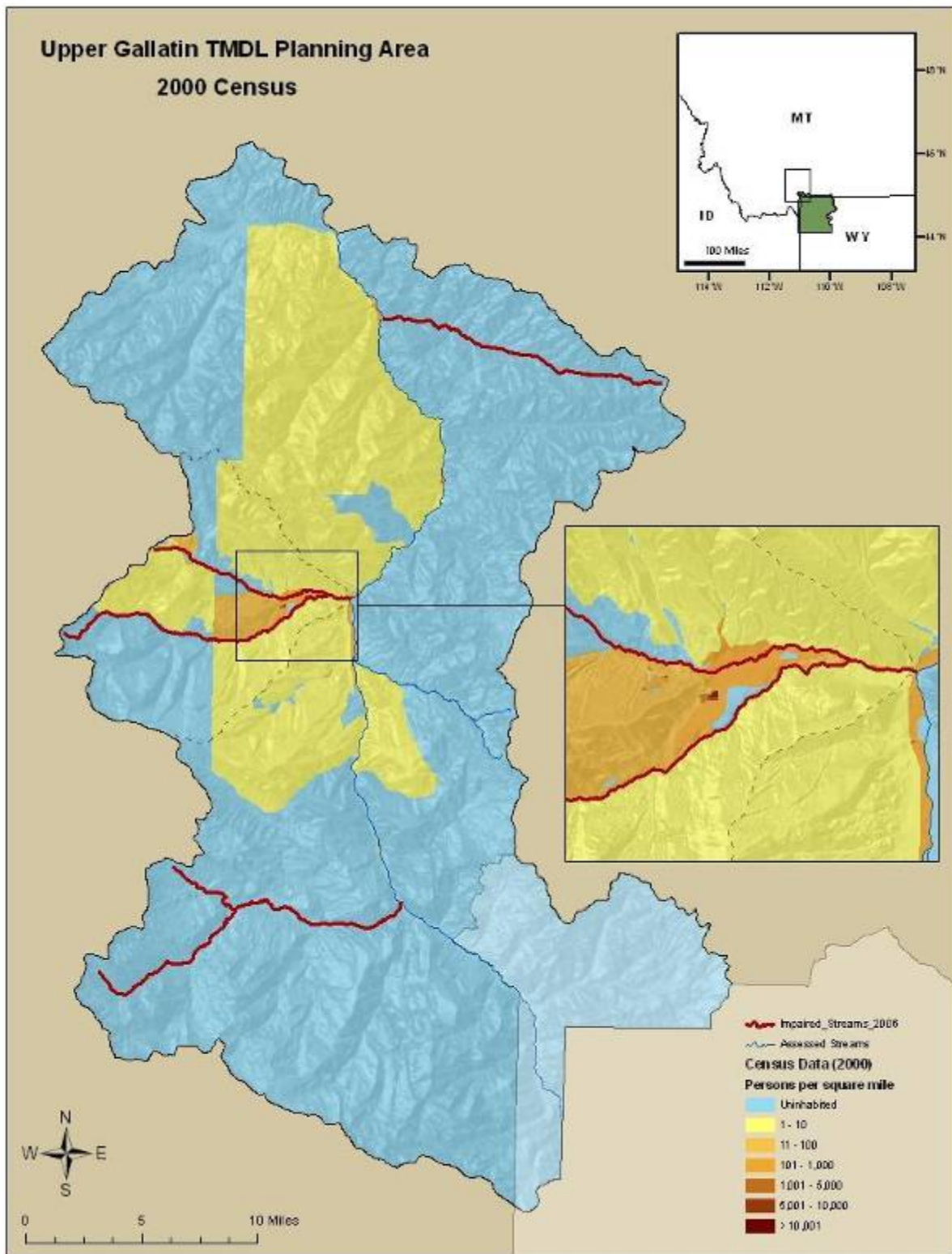


Figure 2-15. Population in the Upper Gallatin TMDL Planning Area (2000 Census)



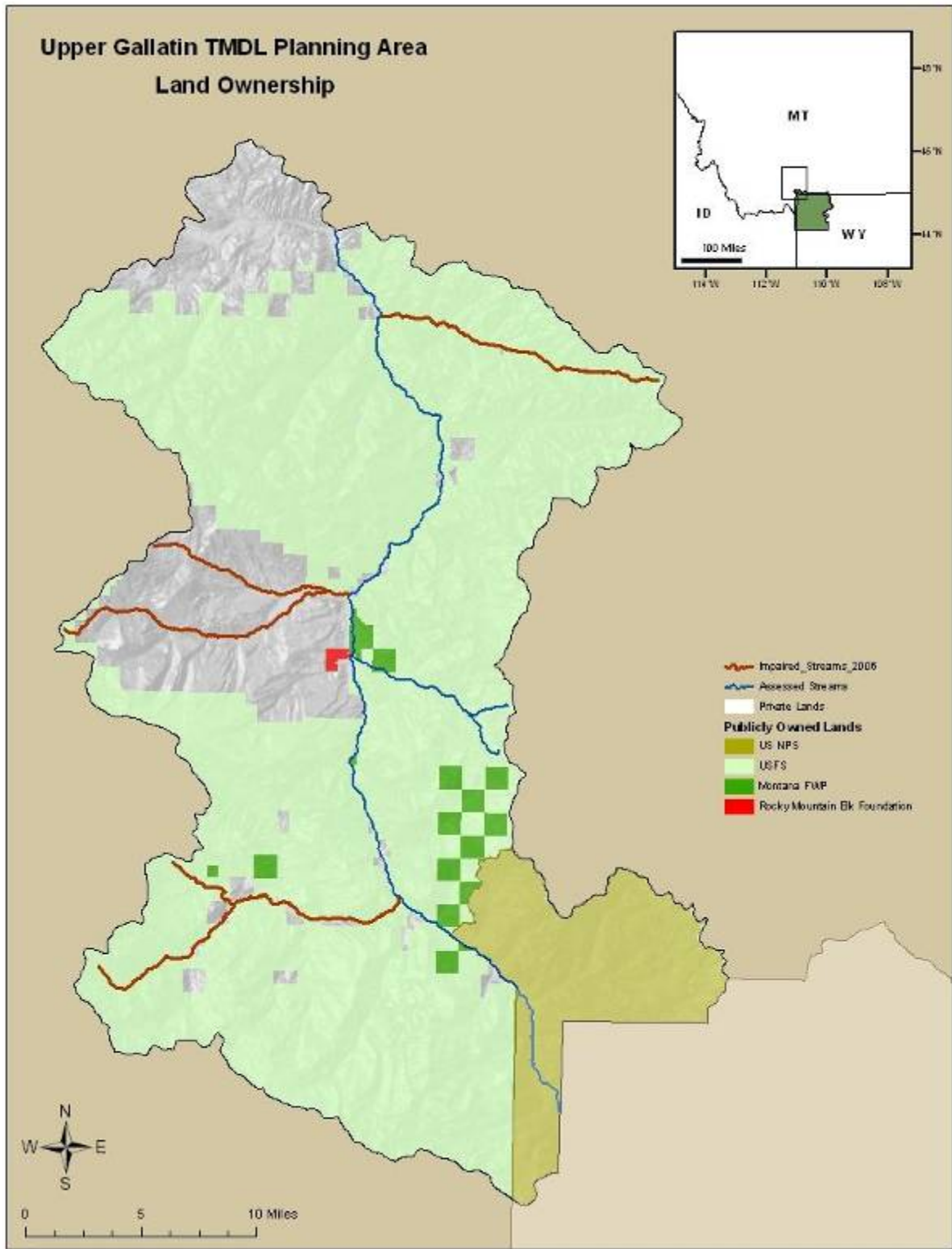


Figure 2-16. Land Ownership

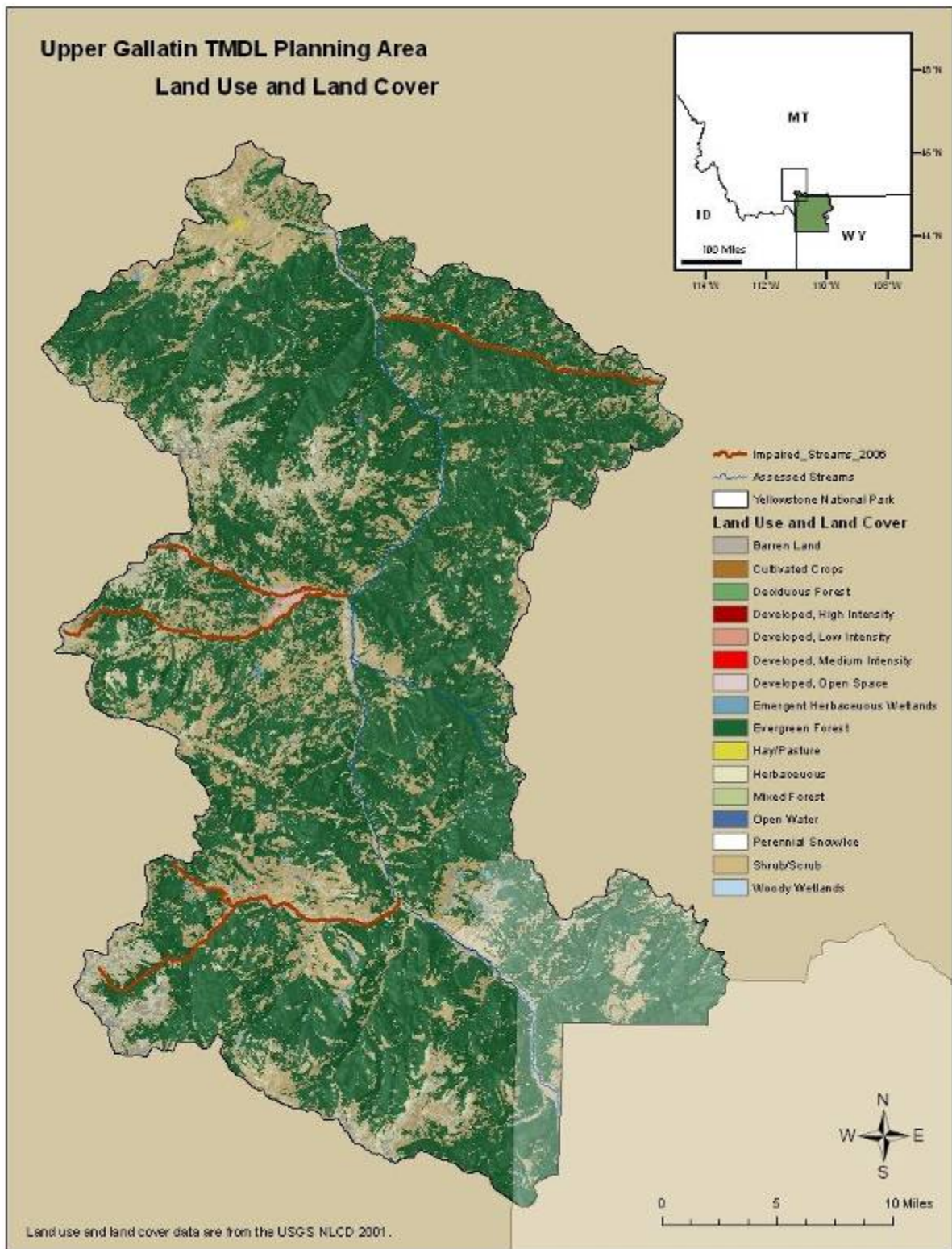


Figure 2-17. Land Use

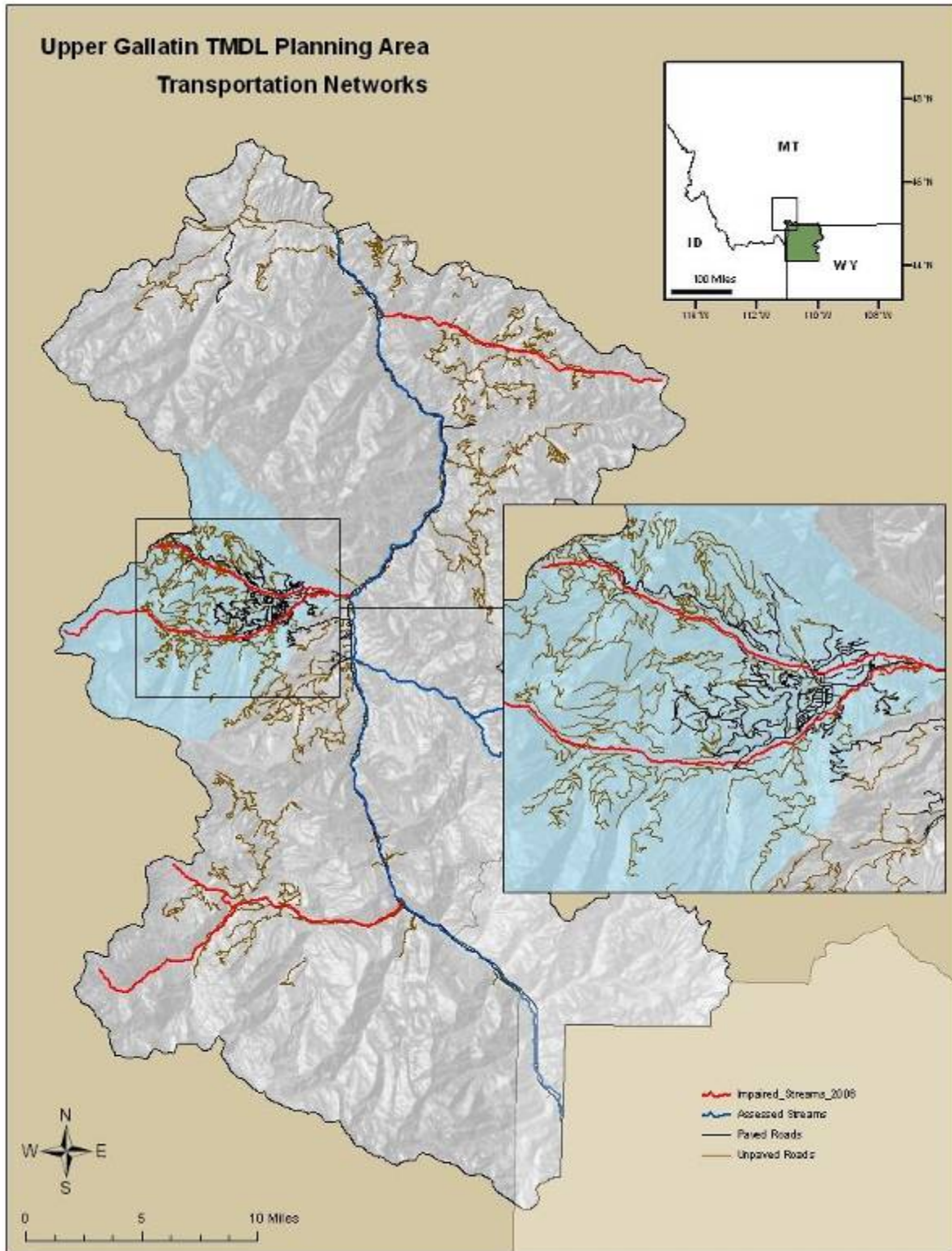
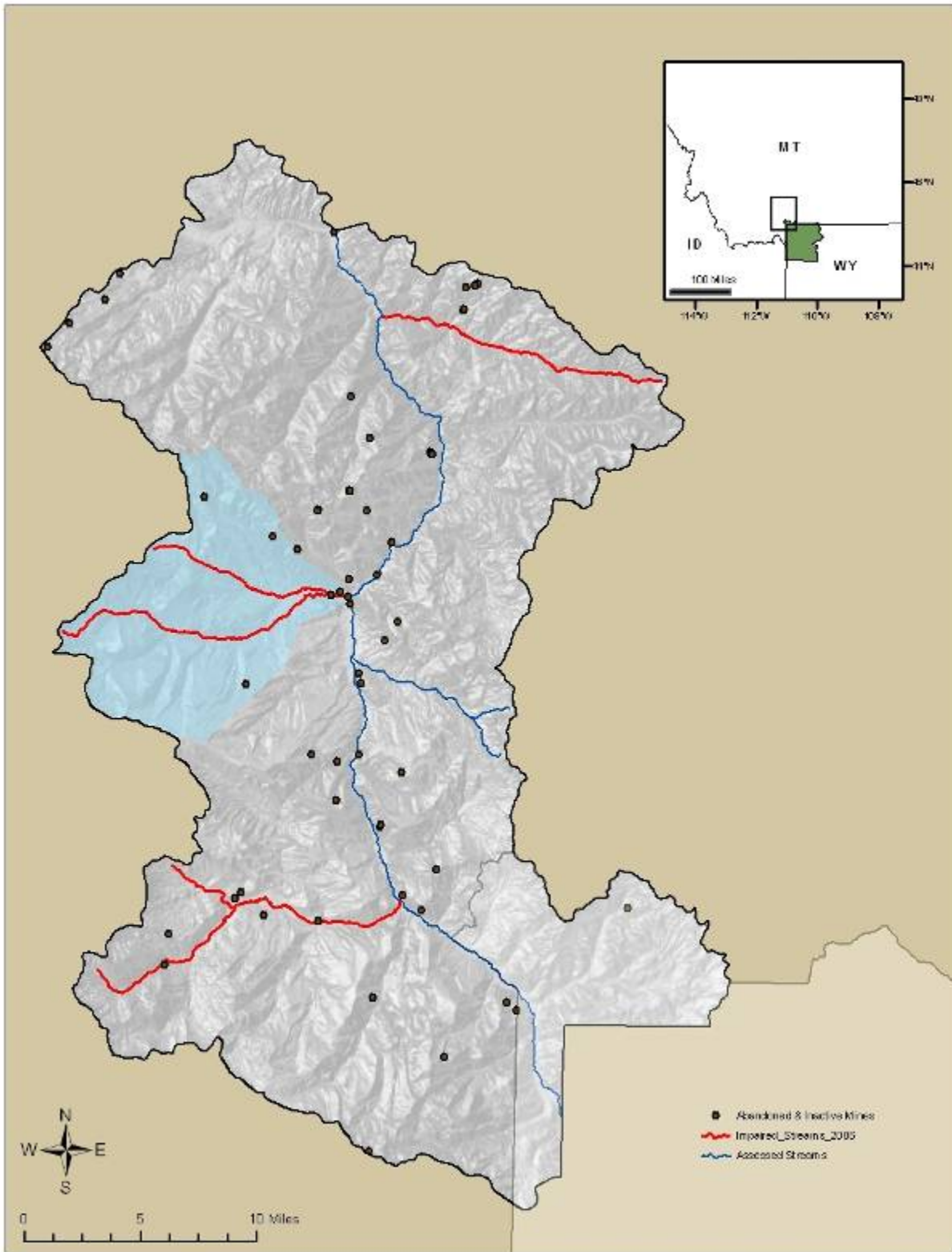


Figure 2-18. Transportation networks



**Figure 2-19. Abandoned and inactive mines are present**

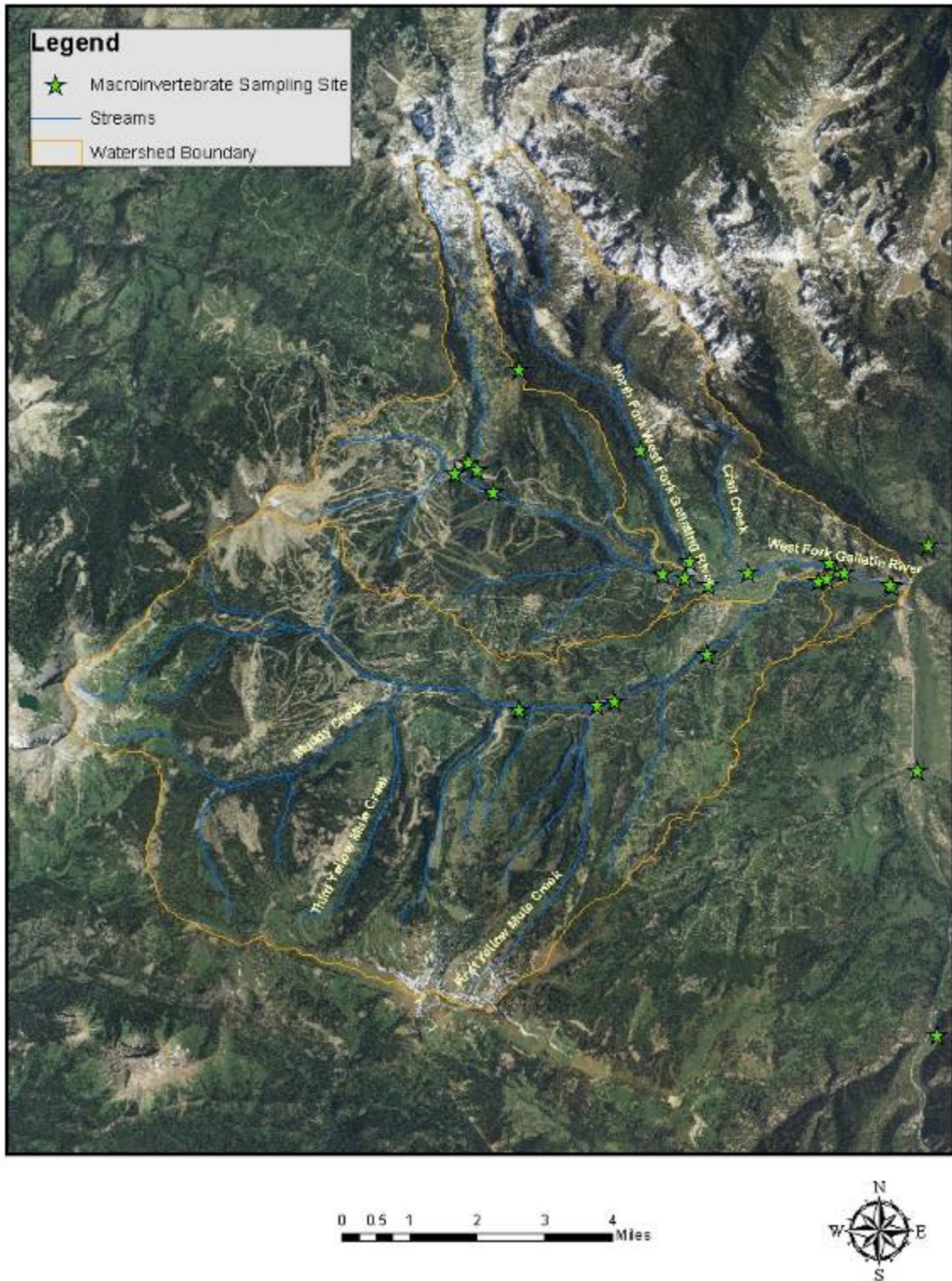
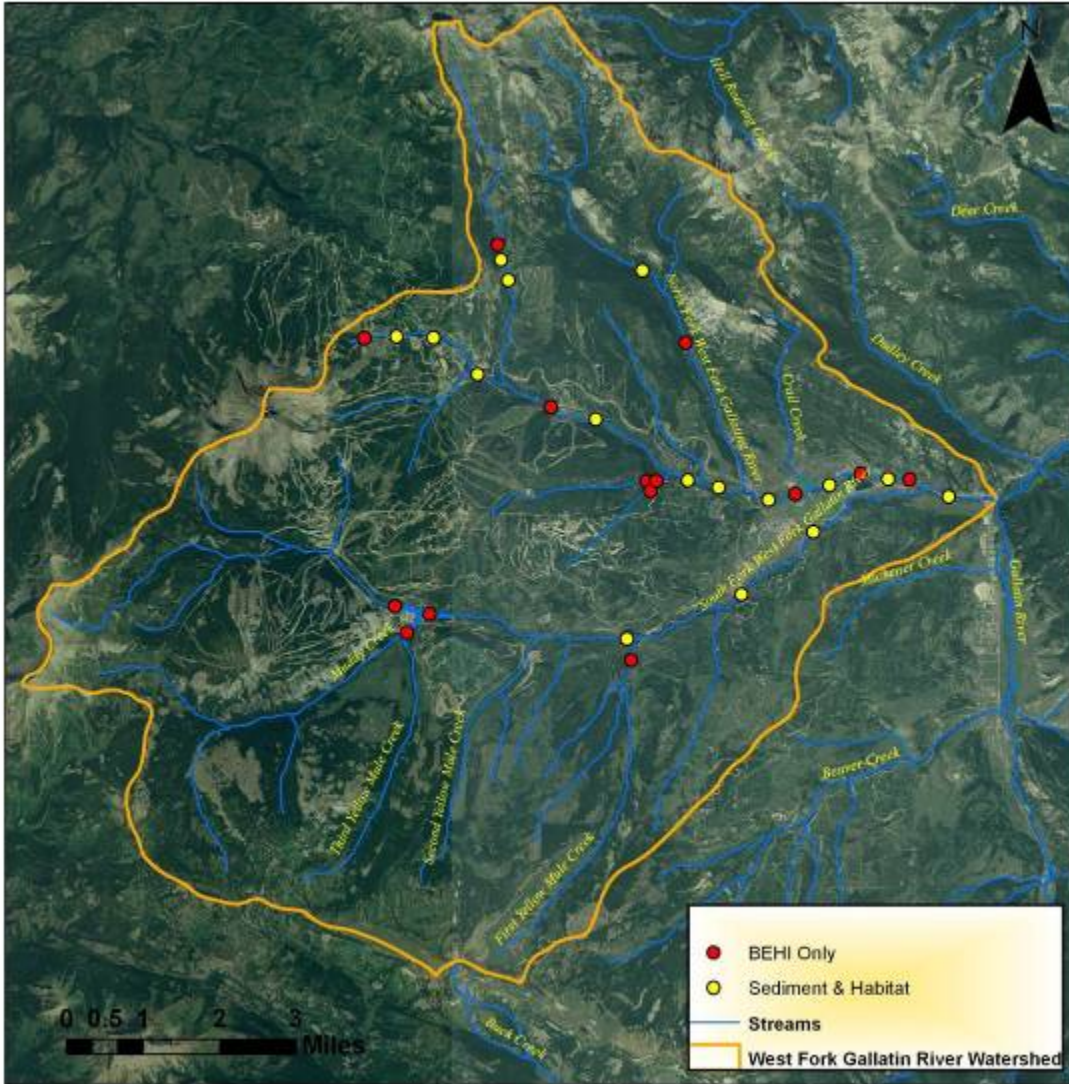


Figure 5-1. Macroinvertebrate sampling sites in the West Fork Gallatin Watershed



**Figure 5-2. 2008 DEQ sediment and habitat assessment sites in the West Fork Gallatin Watershed**

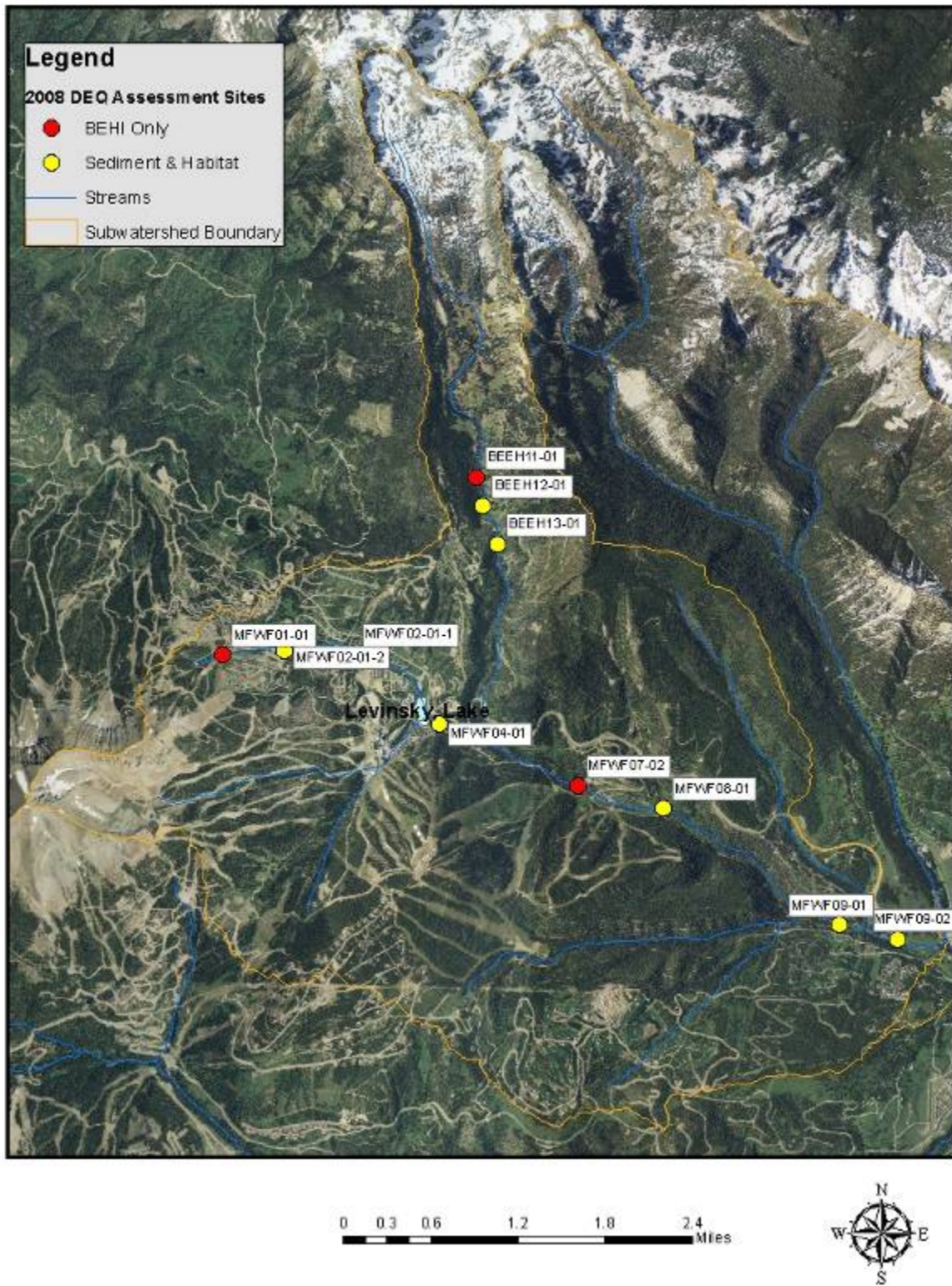


Figure 5-3. 2008 DEQ sediment and habitat assessment sites Middle Fork Watershed

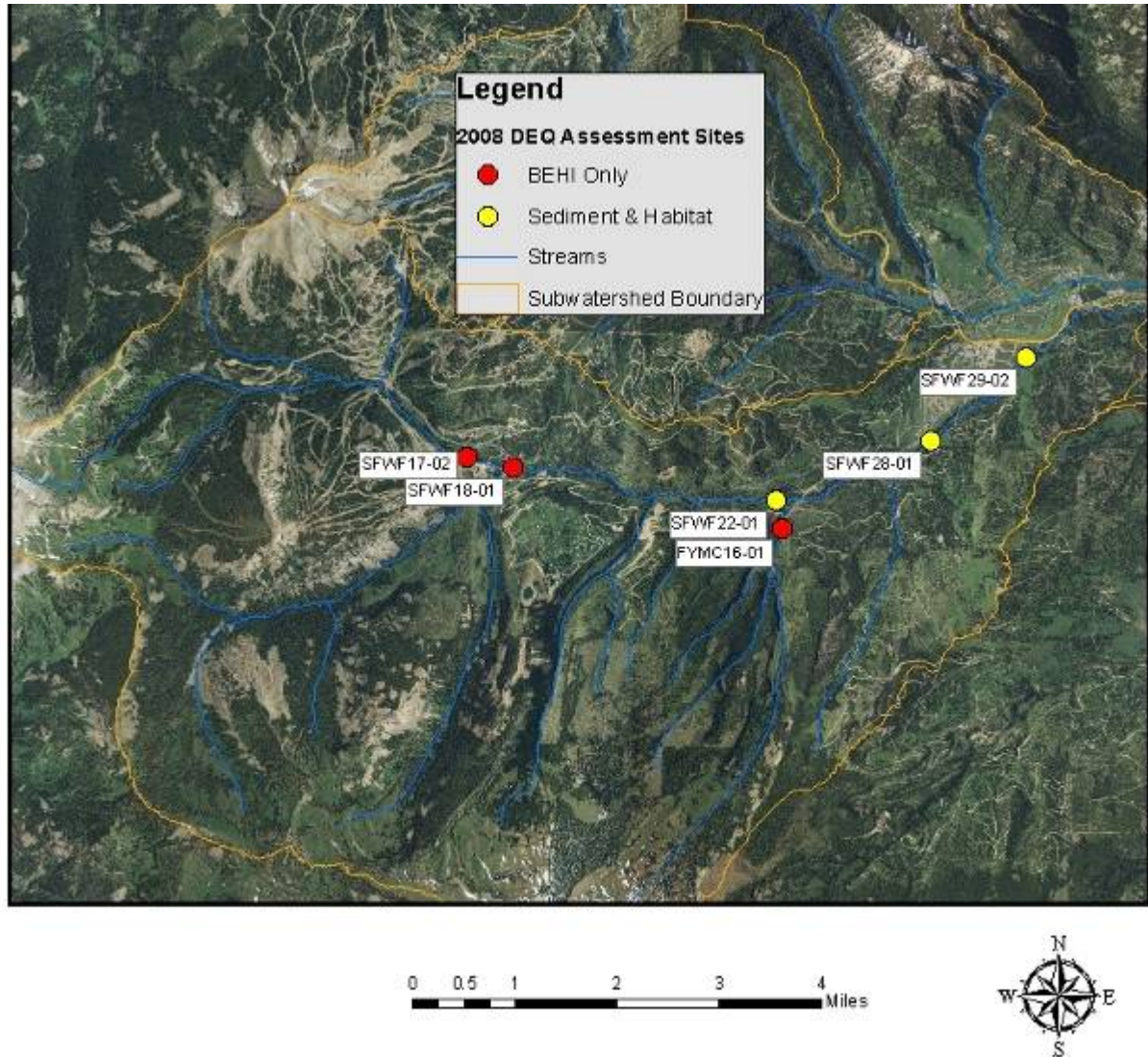


Figure 5-4. 2008 DEQ sediment and habitat assessment sites South Fork Watershed



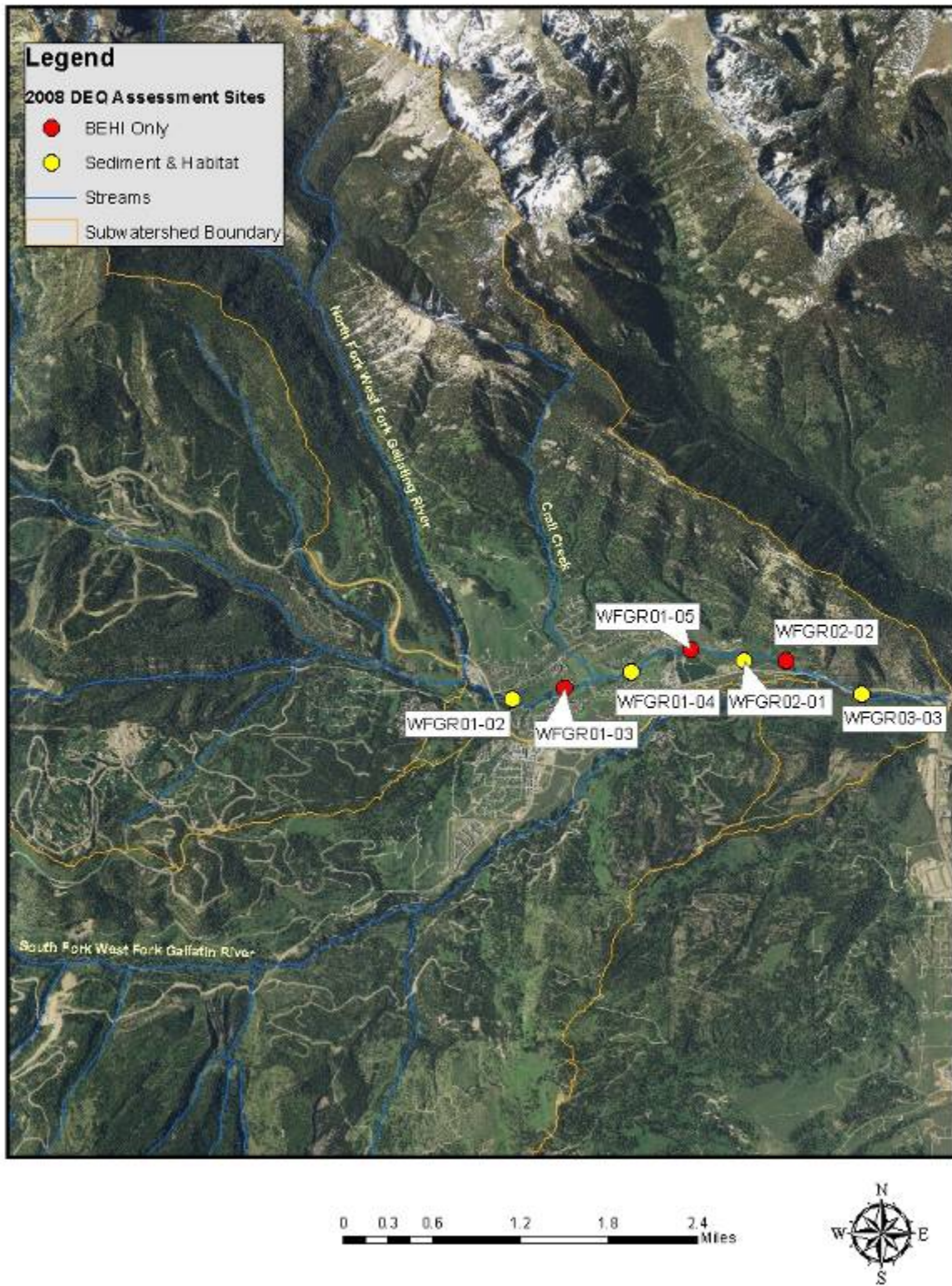


Figure 5-5. 2008 DEQ sediment and habitat assessment sites West Fork Watershed

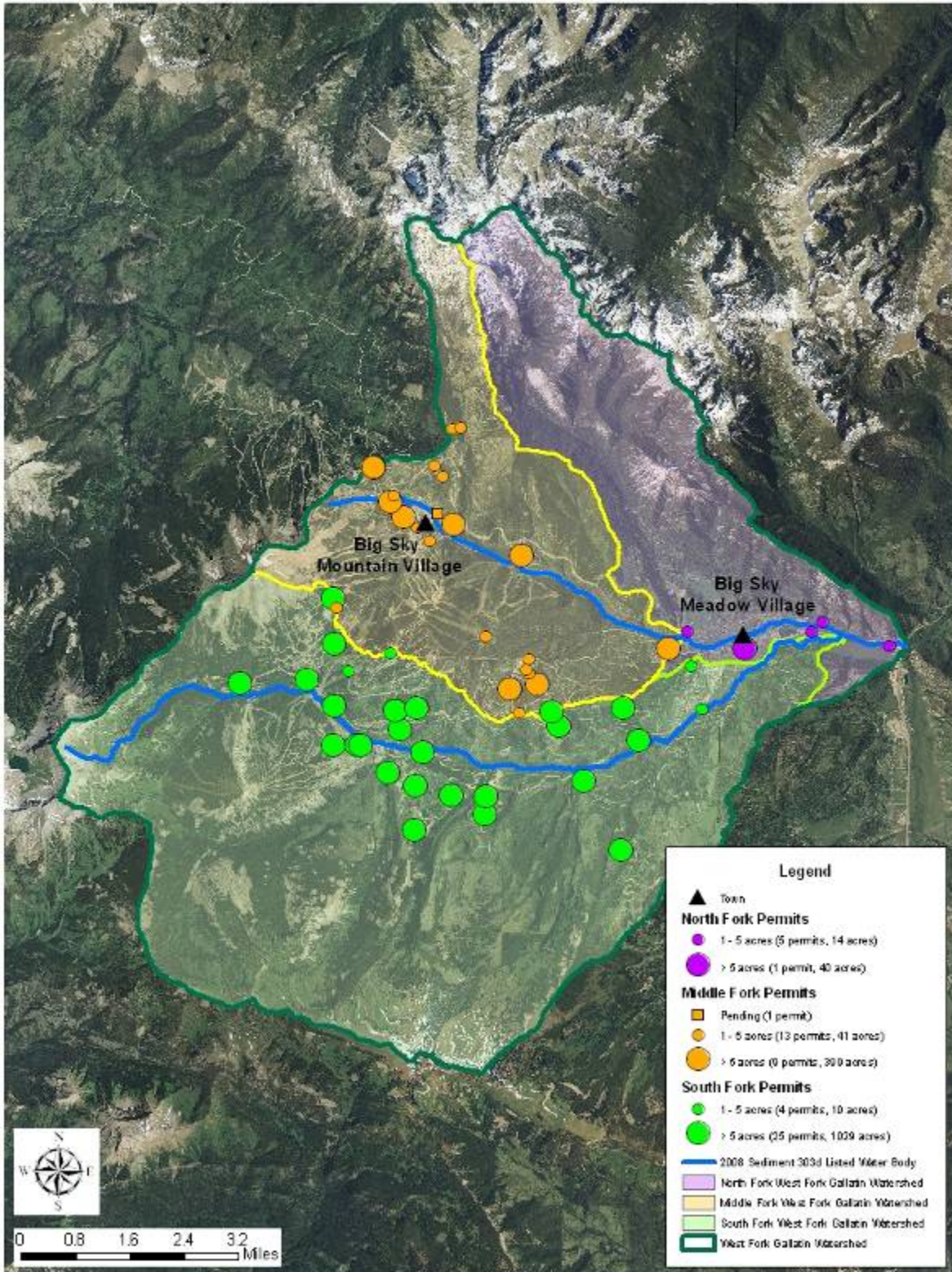
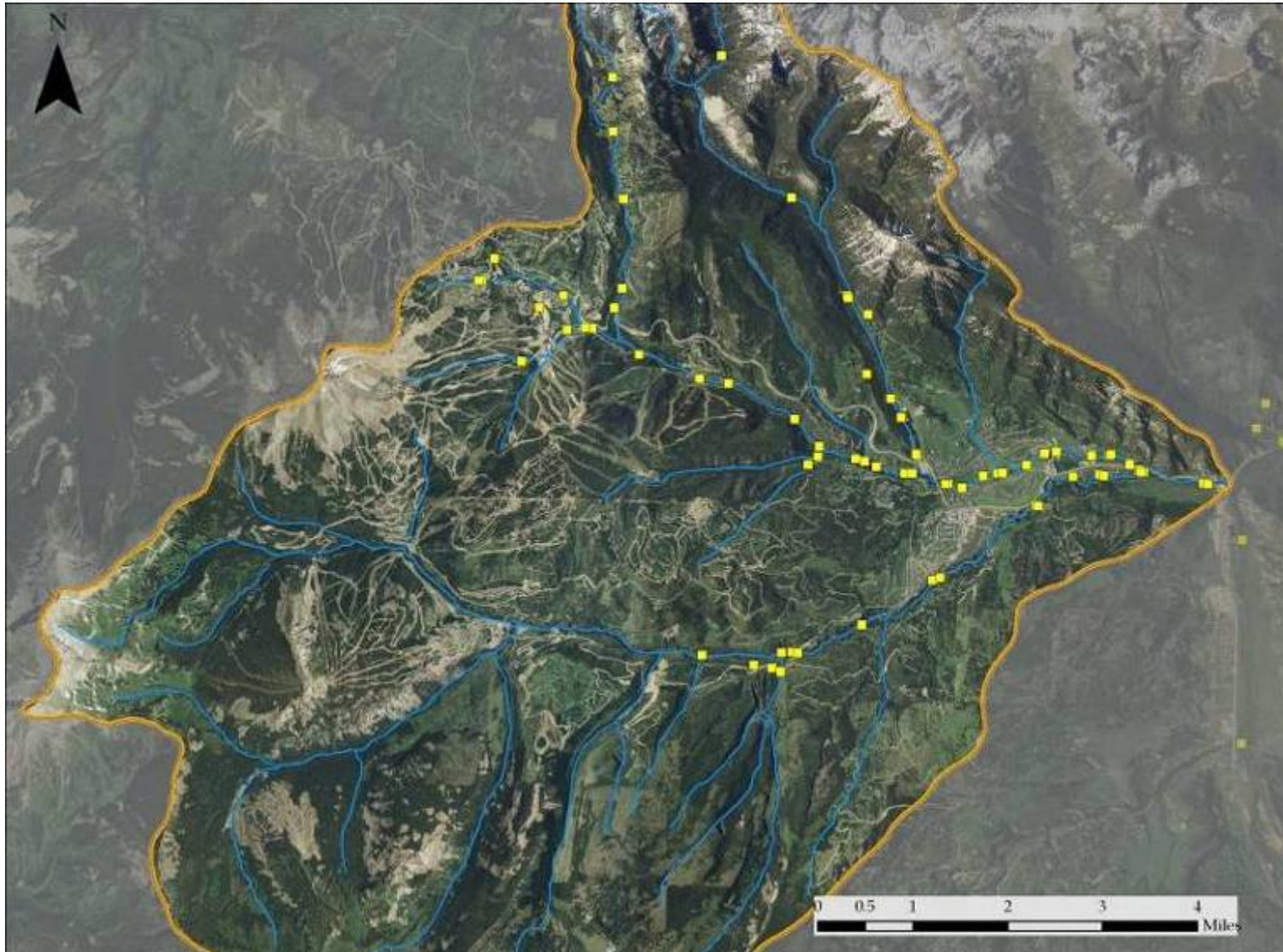


Figure 5-10. Storm water construction permits in the West Fork Watershed as of January 28, 2010



**Figure 6-1. 2006-2008 Nutrient sampling sites in the West Fork Gallatin watershed**

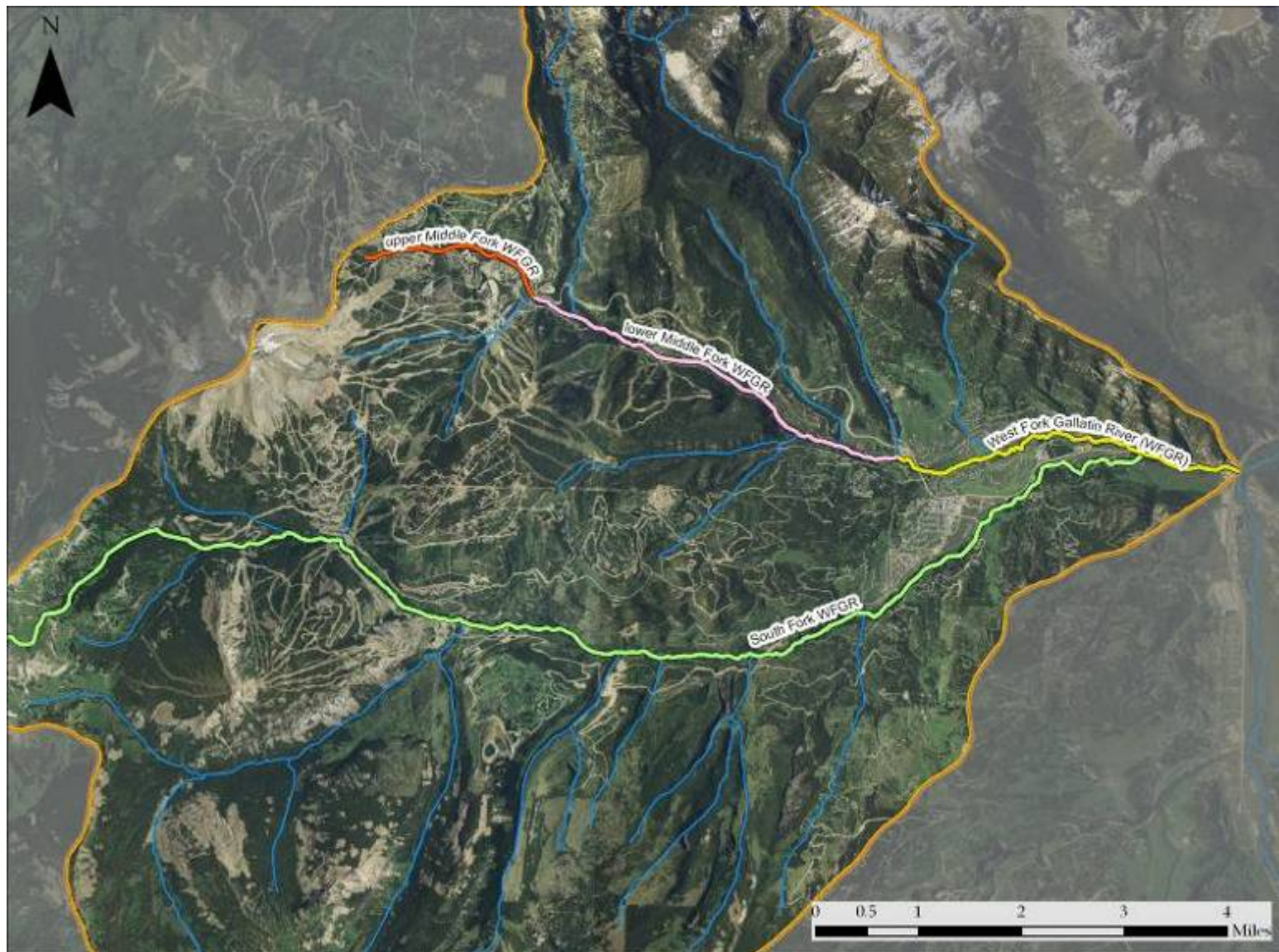


Figure 6-2. Nutrient Assessment Reaches



Figure 6-6. South Fork West Fork Gallatin River: Nutrient Sampling Sites



**Figure 6-7. Upper Middle Fork West Fork Gallatin River watershed showing resort land use**



**Figure 6-8. Lake Levinsky, looking upstream. Upper Middle Fork West Fork Gallatin River watershed**

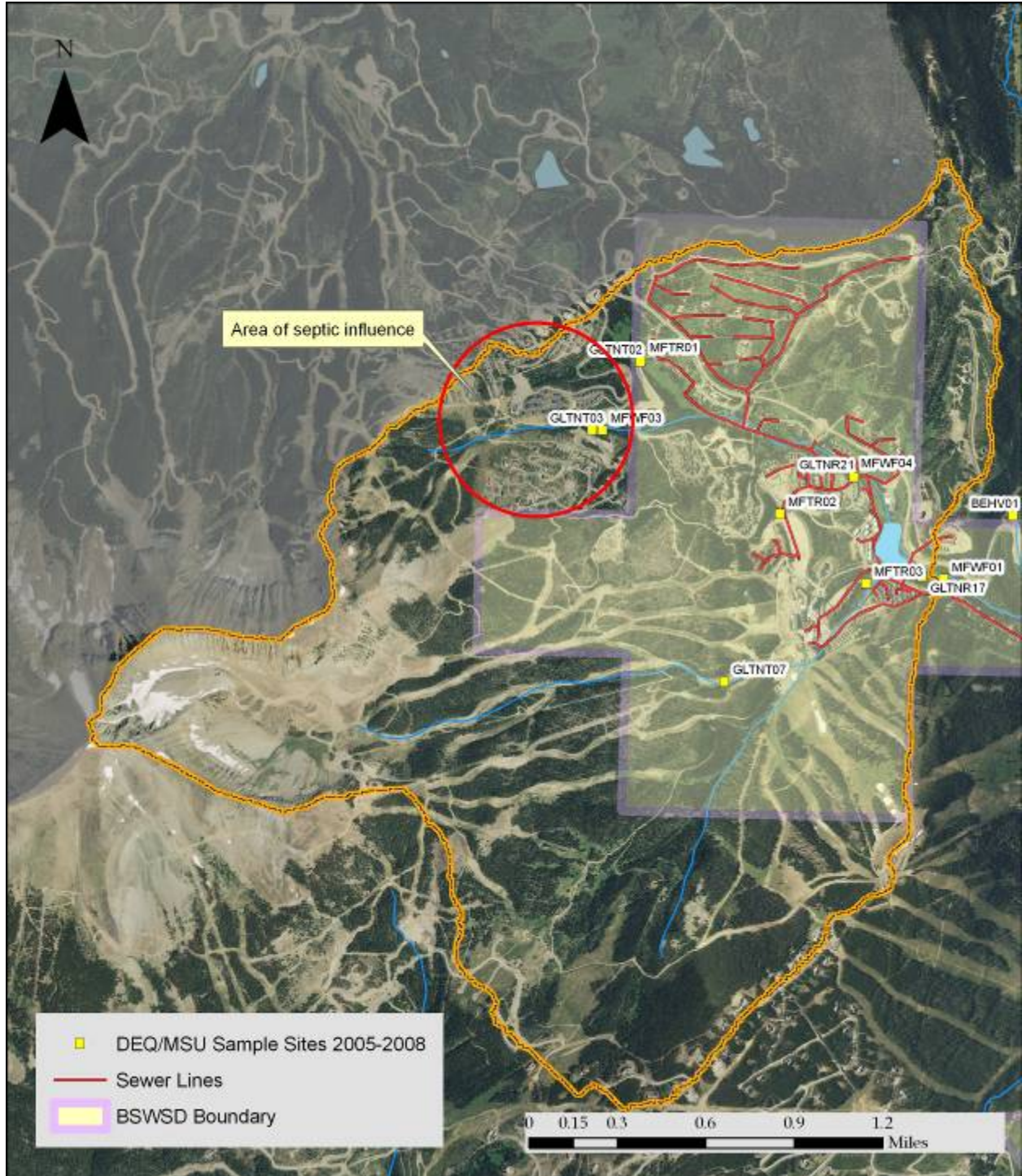


Figure 6-9a. Areas served by sewer and septic systems in the upper Middle Fork West Fork Gallatin River



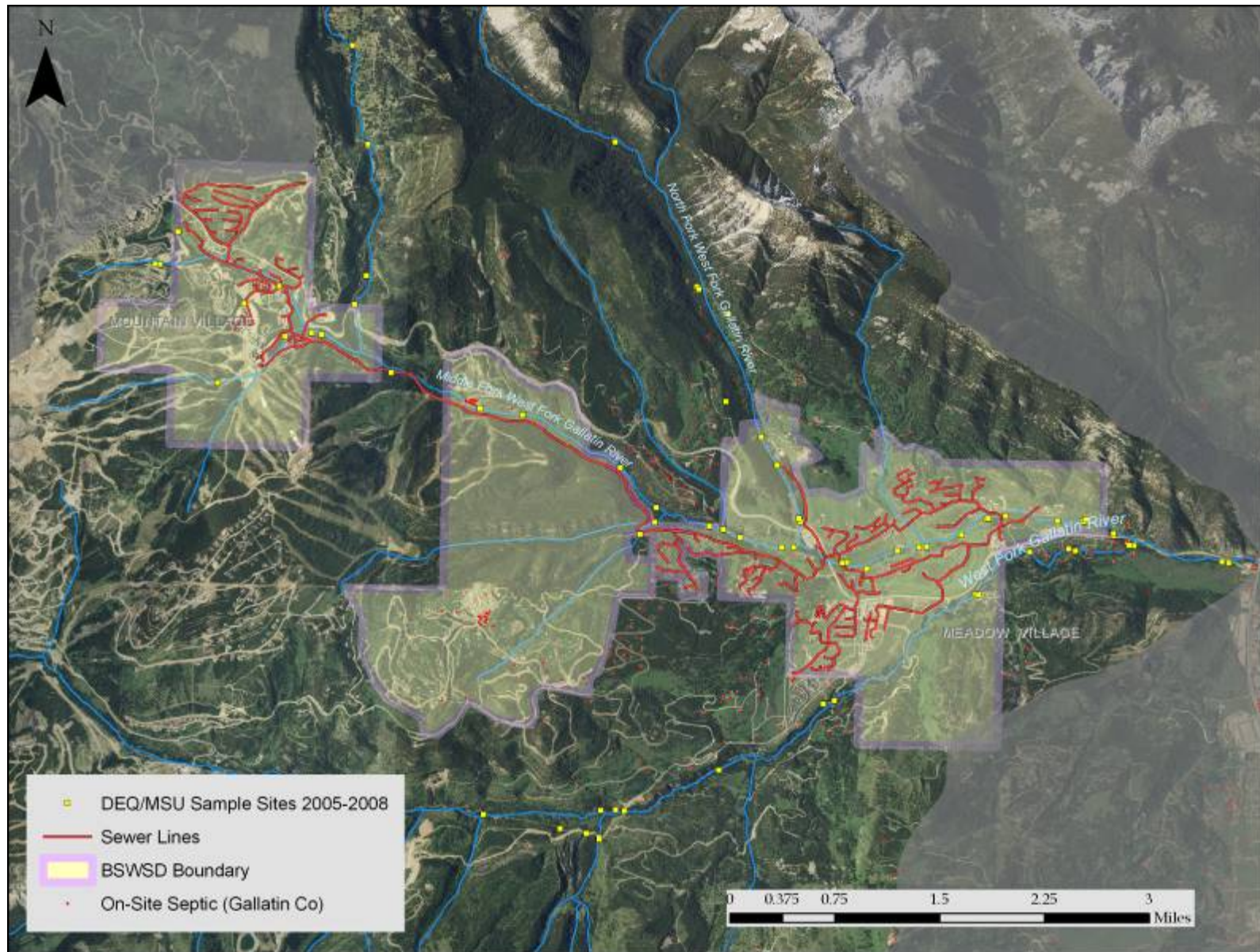


Figure 6-9b. Sewer and Septic coverage, West Fork Gallatin River watershed



**Figure 6-17a. Substrate at site WFGR01 August 2008**



**Figure 6-17b. Stream cobbles at site WFGR01 August 2008**



**Figure 6-17c. Substrate at site WFGR04 August 2008**



**Figure 6-17d. Stream cobbles at site WFGR04 August 2008**



**Figure 6-17e. Substrate at site WFGR06 August 2008**



**Figure 6-17f. Stream cobbles at site WFGR06 August 2008**



**Figure 6-17g. Substrate at site WFGR03 August 2008**



**Figure 6-17h. Stream cobbles at site WFGR03 August 2008**

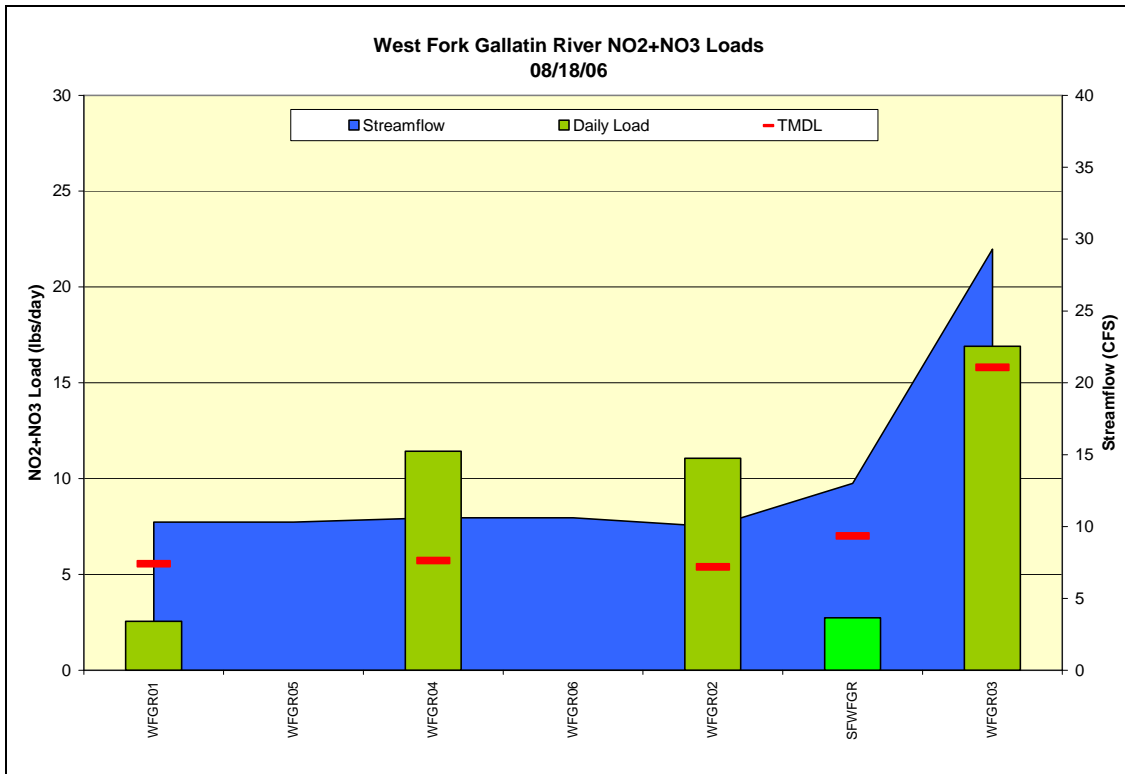


Figure 6-19. August 18<sup>th</sup>, 2006 NO<sub>2</sub>+NO<sub>3</sub> Loads, West Fork Gallatin River

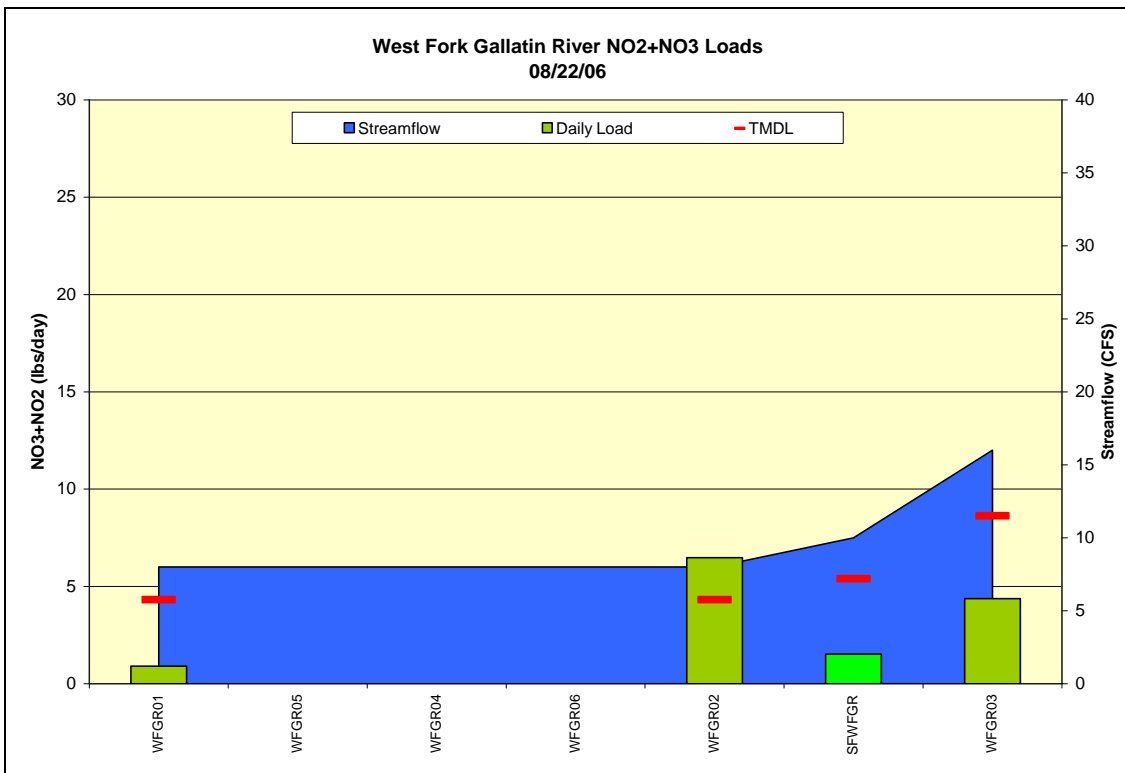


Figure 6-20. August 22<sup>nd</sup> 2006 NO<sub>2</sub>+NO<sub>3</sub> Loads, West Fork Gallatin River

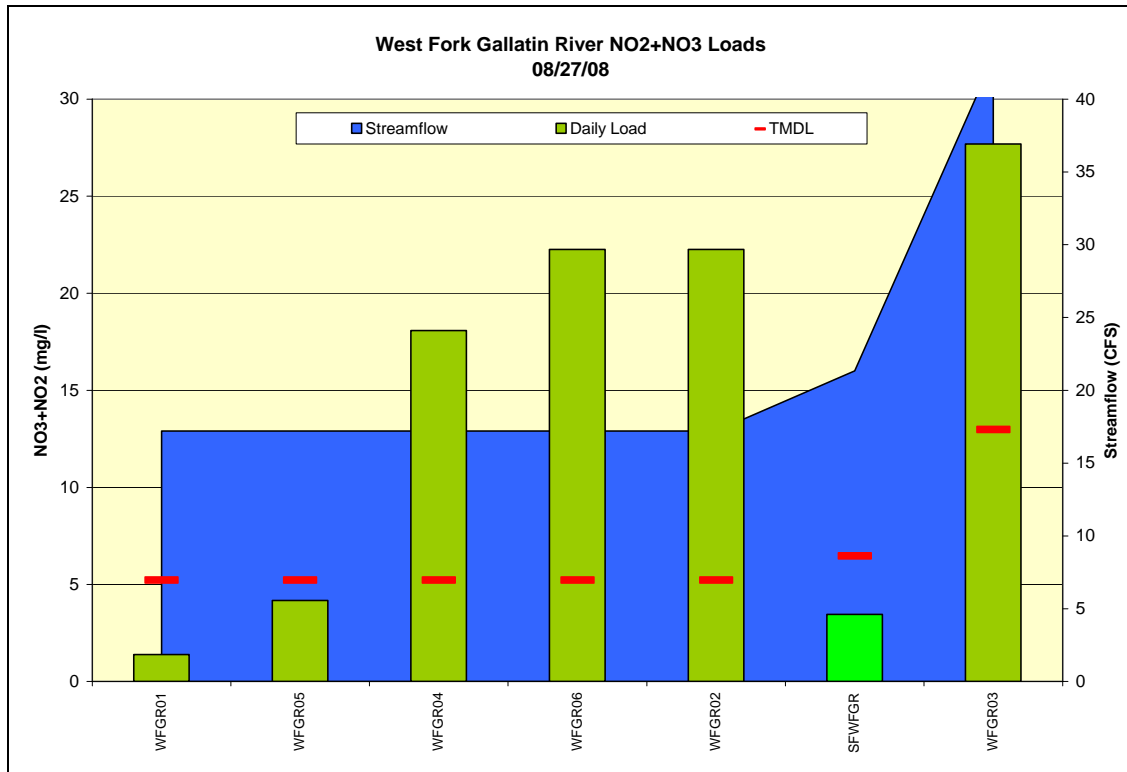


Figure 6-21. August 27<sup>th</sup> 2008 NO<sub>2</sub>+NO<sub>3</sub> Loads, West Fork Gallatin River

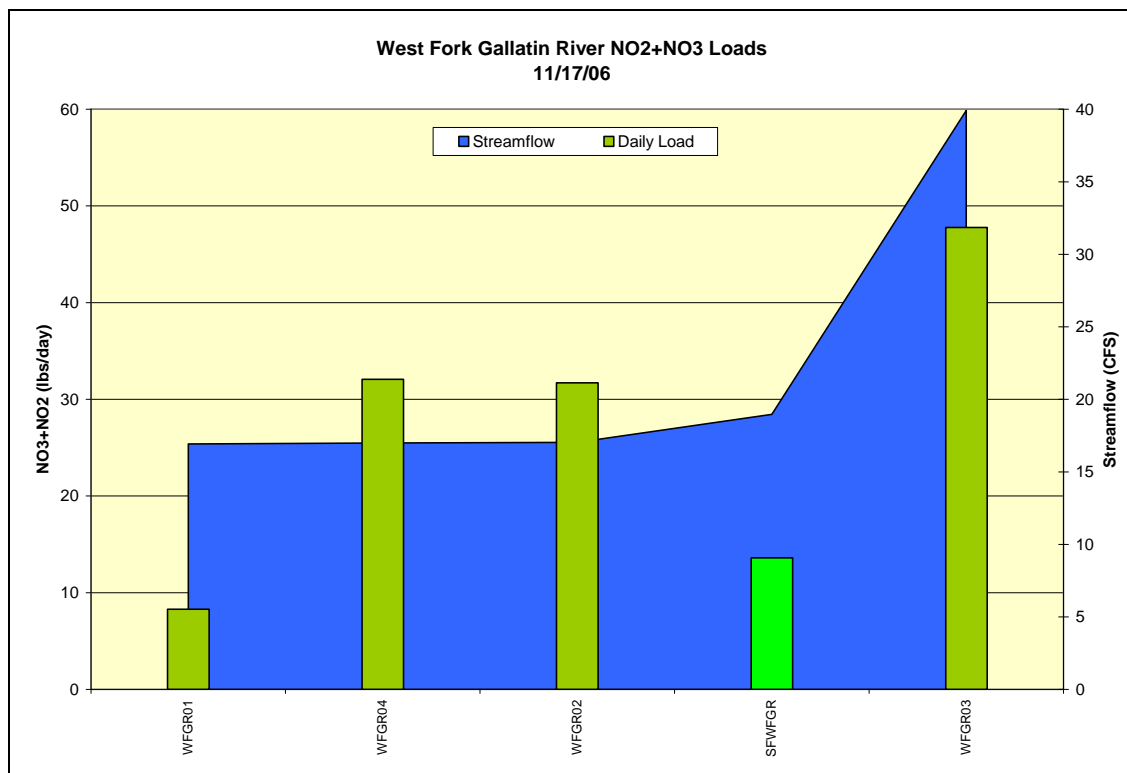


Figure 6-22. November 17<sup>th</sup> 2006 NO<sub>2</sub>+NO<sub>3</sub> Loads, West Fork Gallatin River

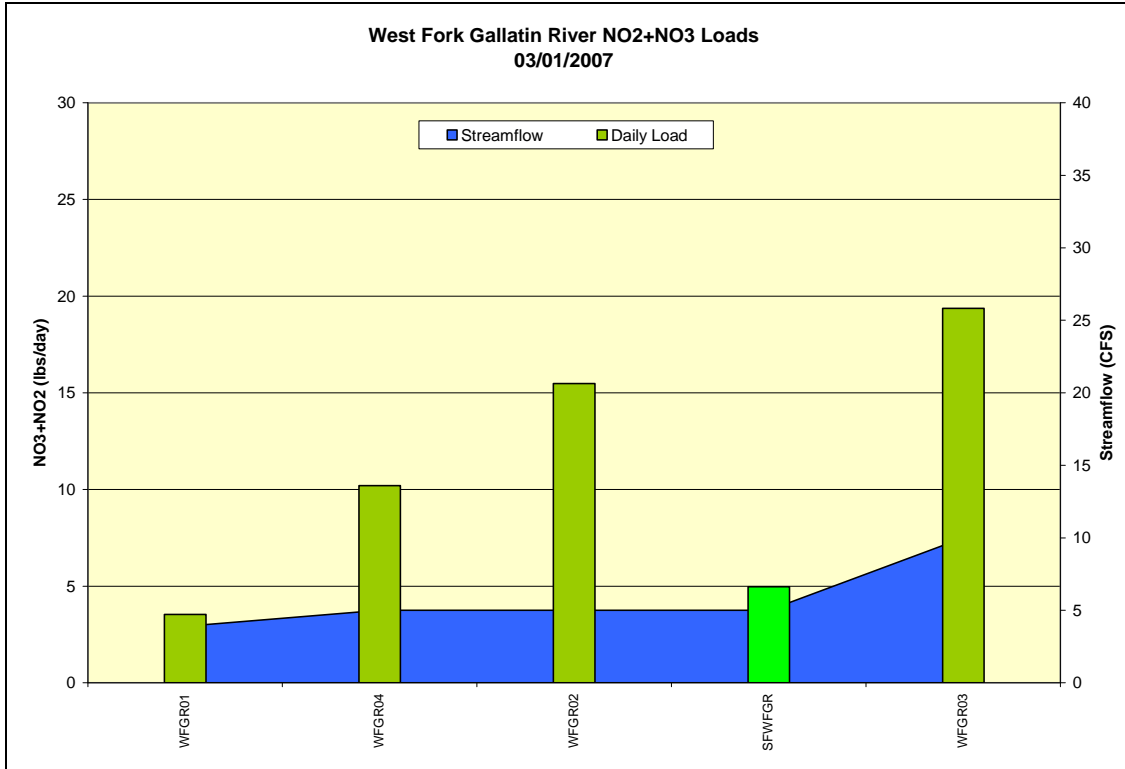


Figure 6-23. March 1<sup>st</sup>, 2007 NO<sub>2</sub>+NO<sub>3</sub> Loads, West Fork Gallatin River



**Figure 6-24. Cross-drain on the Big Sky Golf Course fairway**



**Figure 6-25. Cross-drain discharges to the West Fork Gallatin River**

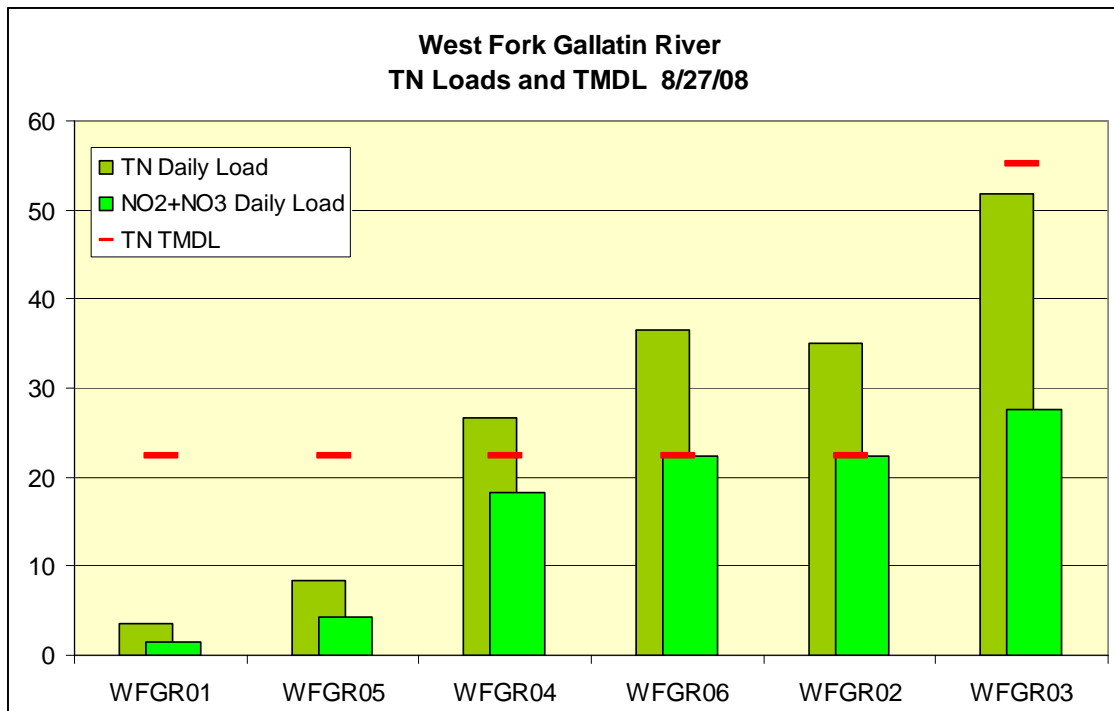


Figure 6-28. August 27<sup>th</sup> 2008 TN Loads, West Fork Gallatin River

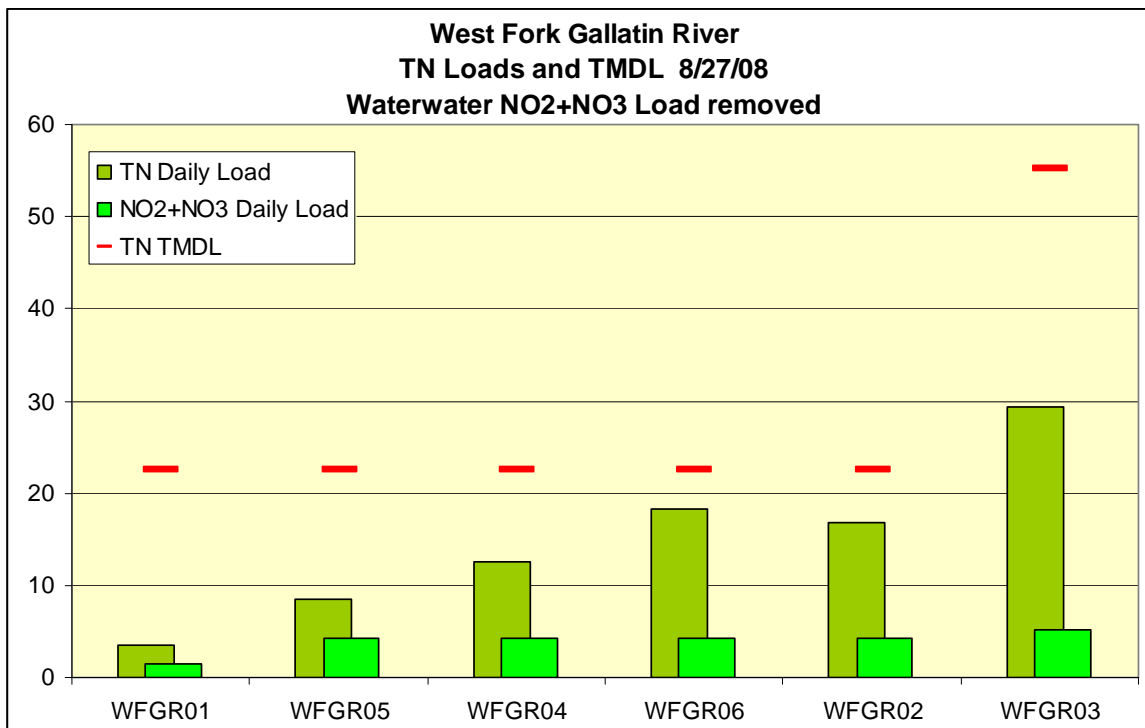


Figure 6-29. August 27<sup>th</sup> 2008 TN Loads with wastewater load removed





**Figure 6-31. Algae-free substrate at site SFWF01 September 2005**



**Figure 6-32. Substrate at site SFWF01 August 2008**



**Figure 6-33. Stream cobbles at site SFWF01 August 2008**



**Figure 6-34. Substrate at site SFWF02 September 2005**



**Figure 6-35. Substrate at site SFWF02 August 2008**



**Figure 6-36. Stream cobbles at site SFWF02 August 2008**



**Figure 6-37. Substrate at site SFWF03 September 2005**



**Figure 6-38. Substrate at site SFWF03 August 2008**



**Figure 6-39. Stream cobbles at site SFWF03 August 2008**



**Figure 6-40. Substrate at site SFWF03 August 2010**

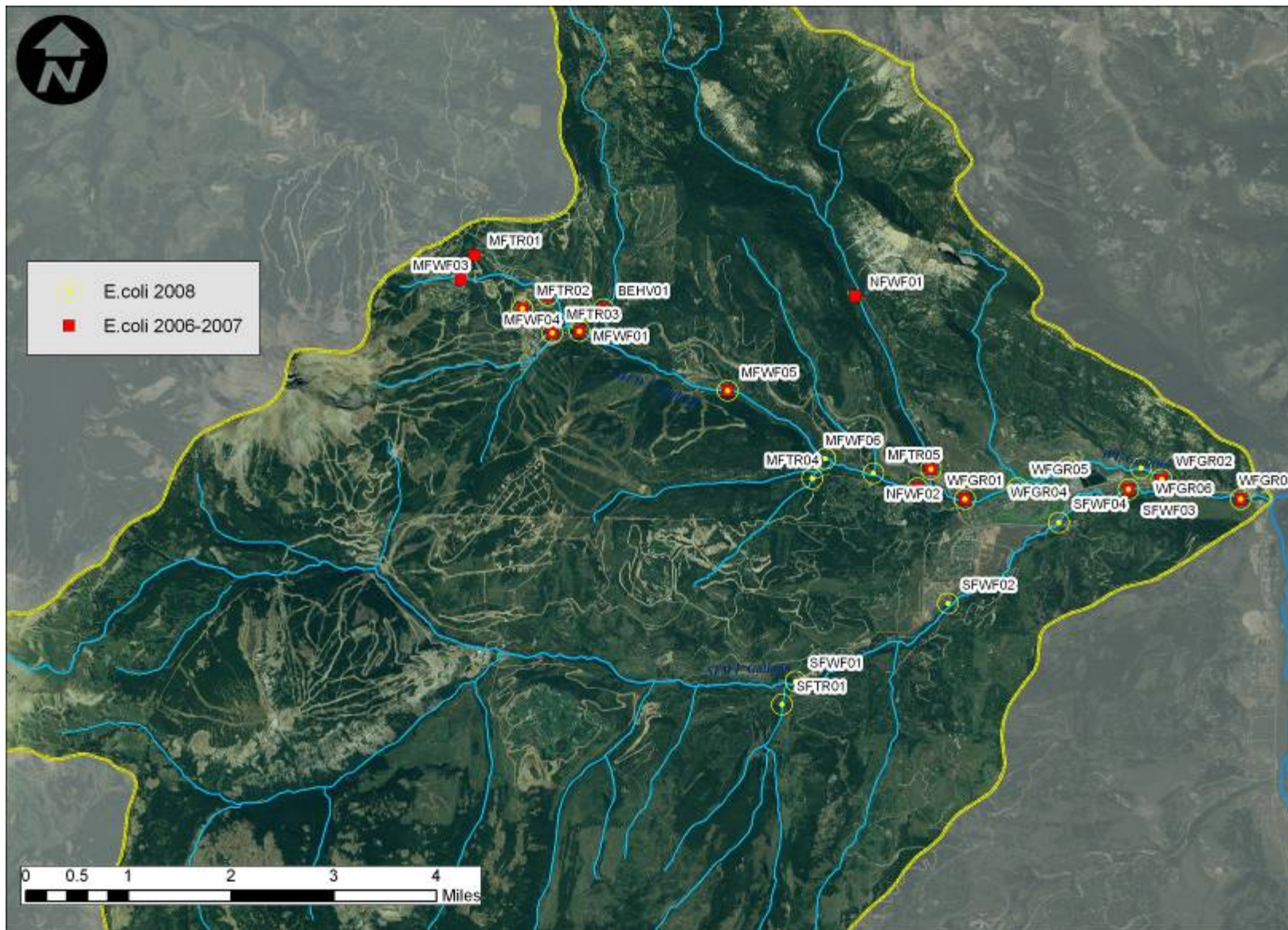


Figure 7-1. 2006-2008 E. coli sampling sites in the West Fork Gallatin watershed

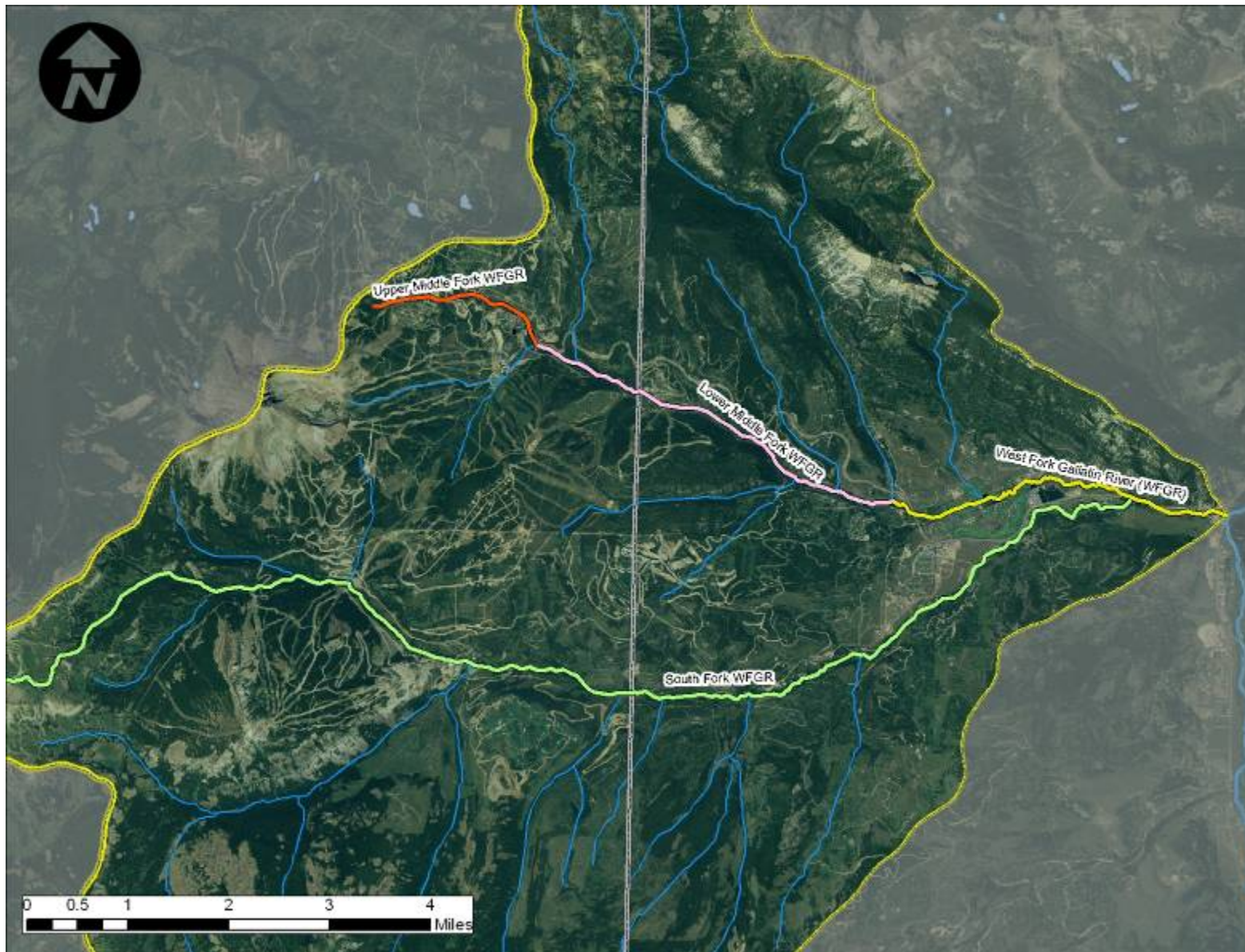


Figure 7-2. E. Coli Assessment Reaches

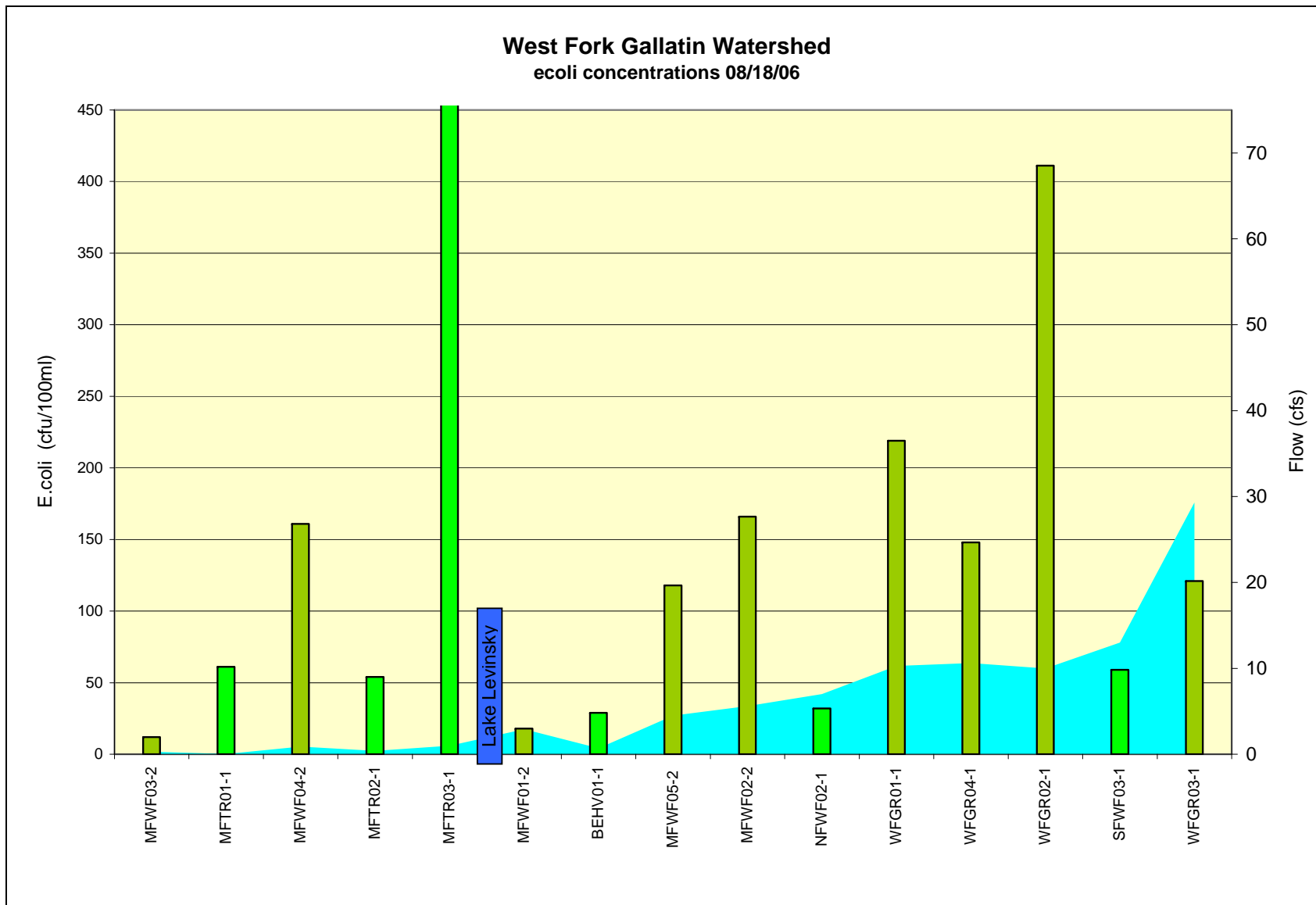


Figure 7-9. E. Coli concentrations on 08/18/06

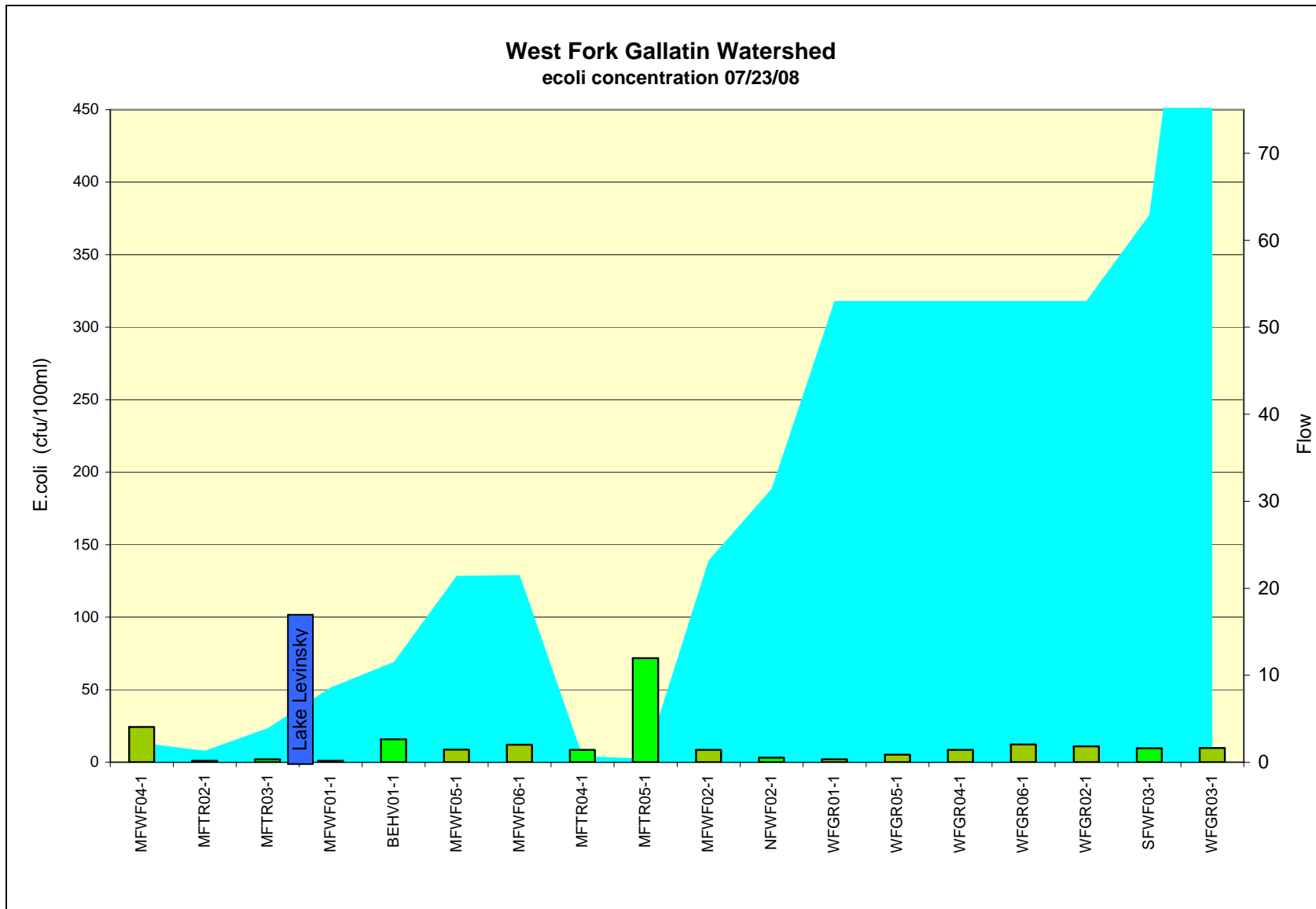


Figure 7-10. E. Coli concentrations on 07/23/08



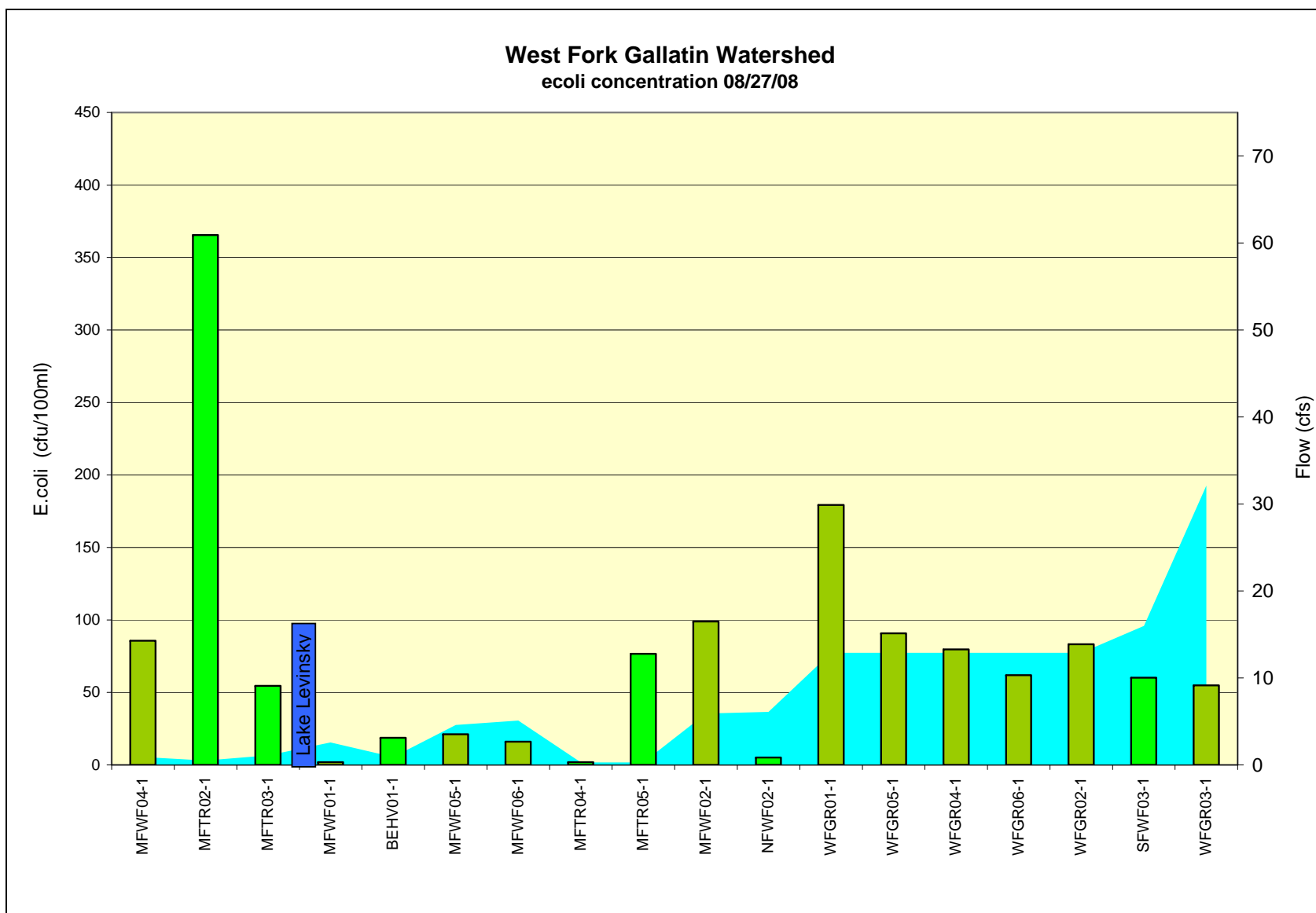


Figure 7-11. E. Coli concentrations on 08/27/08

