

DATA INTEGRATION AND ANALYSIS

To fully understand the condition of the Upper Granite Creek Watershed, the WIC engaged in a data analysis process of integrating, or layering, the primary datasets—water quality data during critical conditions, riparian buffer data, and field survey data—as well as existing data such as land use, sewer data, parks and open space, golf courses, recreation and dispersed camping sites, trails, roads, and fire history.

The Granite Creek Subwatershed Characterization Table (**Appendix C**) is the culmination of the data integration process. It contains the subwatersheds (**Fig. 21**) and associated water quality data, description of the riparian buffer and notable land uses, and potential sources of bacteria and nutrients.

Based on the subwatershed characterization, five priority subwatersheds were identified for targeted monitoring in Phase II as well as BMP development. The five priority subwatersheds are: Lower Manzanita, Lower Aspen, Lower Butte, Lower Miller, and the North Fork Granite Creek. The WIC has begun to attribute applicable BMPs and potential project sites for subwatersheds, but it may remain general BMP categories until further monitoring and BMP development occurs in Phase II.



Figure 21: Upper Granite Creek Subwatersheds

Subwatersheds within the project area were delineated based on hydrologic and topographic characteristics as well as primary land use designations – national forest, residential and commercial development, etc. The subwatersheds are shown here with their respective names.