PROJECT PERFORMANCE MEASURES TROUT CREEK RESTORATION (REACHES 4 & 5)					
Project Goals	Desired Outcomes	Output Indicators	Outcome Indicators	Measurement Tools and Methods	Targets
Improve natural geomorphic function of Reaches 4 and 5 of Trout Creek by project completion.	Reconstructed creek channel that provides improved sediment transport.	Construction of creek channel that provides sinuosity and variability.	Density and distribution of sediment within creek channel.	Evaluate density and distribution of fine sediment along creek channel using Rapid Assessment Monitoring guidelines identified in the Town of Truckee Water Quality Monitoring Plan QAPP.	10% reduction in fine sediment deposition.
Improve ecological and aesthetic value of Reaches 4 and 5 of Trout Creek by creating a riparian corridor and improved aquatic habitat by project completion.	Create a functioning riparian corridor by creating a stabilized and vegetated bank and floodplain and a reconstructed creek corridor with natural appearance, native vegetation, sinuosity, and variable slopes.	Planting of riparian vegetation along creek corridor (banks and floodplain)	Percentage of plantings that establish.	1 year after project construction is complete, conduct visual inspection of 10' by 10' sample plots to determine plant establishment rate (percentage of plants that were planted that survive after first year).	75 % plant establishment rate.
Improve ecological value Reaches 4 and 5 of Trout Creek by creating improved aquatic habitat by project completion.	Improved vegetative cover and fish habitat.	Pre- and post-project temperature measurements.	Reduced temperature.	Pre and post project temperature gauge reading at consistent location once a month June, July, and August.	10% reduction in average temperature.

Provide 100-year flood protection to property along Reaches 4 and 5 of Trout Creek.	Contain 100-year flood water within restored Reach 4 and 5 Trout Creek channel and floodplain.	Reconstructed creek with defined natural floodplain. Post construction visual inspections during rain events.	Post project mapped floodplain that indicates minimal flooding in developed or previously disturbed and non-vegetated areas. No observed flooding.	Evaluate acres of floodplain that are vegetated ("natural") or disturbed/developed (non-natural") During post project monitoring phase, note any flooding outside restored creek channel and floodplain during major storm events.	90 % "natural" floodplain. Verification that no flooding occurred.