

Tepee Ck/IXL Meadows Stewardship Plan

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Will Conley – YN Hydrologist

David Lindley – YN Habitat Specialist

Monitoring

Photo Documentation: Visit site twice annually to take photos of project elements - constructed riffles, engineered log jams, and vegetation.

Groundwater Monitoring: Conduct at least 5 visits per year to measure instantaneous groundwater depths in three wells. Compile well data in electronic spreadsheet and generate graphs to visually display changes in groundwater elevations through time.

Adult spawning Survey: Minimum of one pass redd count survey through project reach to enumerate adult Steelhead spawning.

Juvenile Steelhead Usage: A single electrofish pass was conducted in 2009 to capture juvenile steelhead. Fish over 65mm in length were tagged with a PIT and sampled for length and weight. This data will be used to evaluate survival, seasonal movement, and adult returns.

Residual Pool Depths: The stream profile has been surveyed in 2007 and 2008 to evaluate whether riffle crest elevations are being maintained and to document pool depths over time.

Maintenance

Invasive Plant Species Control: Site visits are made throughout the growing season to evaluate and address invasive plant species. The past two years bull thistle has been the primary species of concern. Bull thistle is pulled by hand. When removal occurs after the plant has gone to seed, plants are bagged and removed from the site. A recent plant survey indicated the presence of sulfur cinquefoil; in 2010 we will begin to remove this species via hand pulling.

Fence Maintenance: A four-strand barb wire fence was constructed around the perimeter of the project upon completion of the in-stream work. Each Spring the fence perimeter is evaluated and places where it has been compromised are repaired. Throughout the grazing season the fence is reevaluated and repairs made as

necessary. The fence will be maintained for at least five years at which time adjacent grazing pressure will be assessed to determine whether continued maintenance is necessary.

Riffles: There is a stockpile of rock on-site to be used in the event repair of control elevations is necessary. Funding for installation to be determined in the event such action is necessary