

2013 Coarse Sediment Augmentation Recommendation

By: TRRP Physical Workgroup

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Existing Guidance

- ROD
 - Mandated coarse sediment augmentation program
 - Recommended
 - 0 to 67,000 CY per year depending on water year
 - Average 10,300 CY per year
- Gaeuman (2008)
 - Recommended 6,700 CY per year

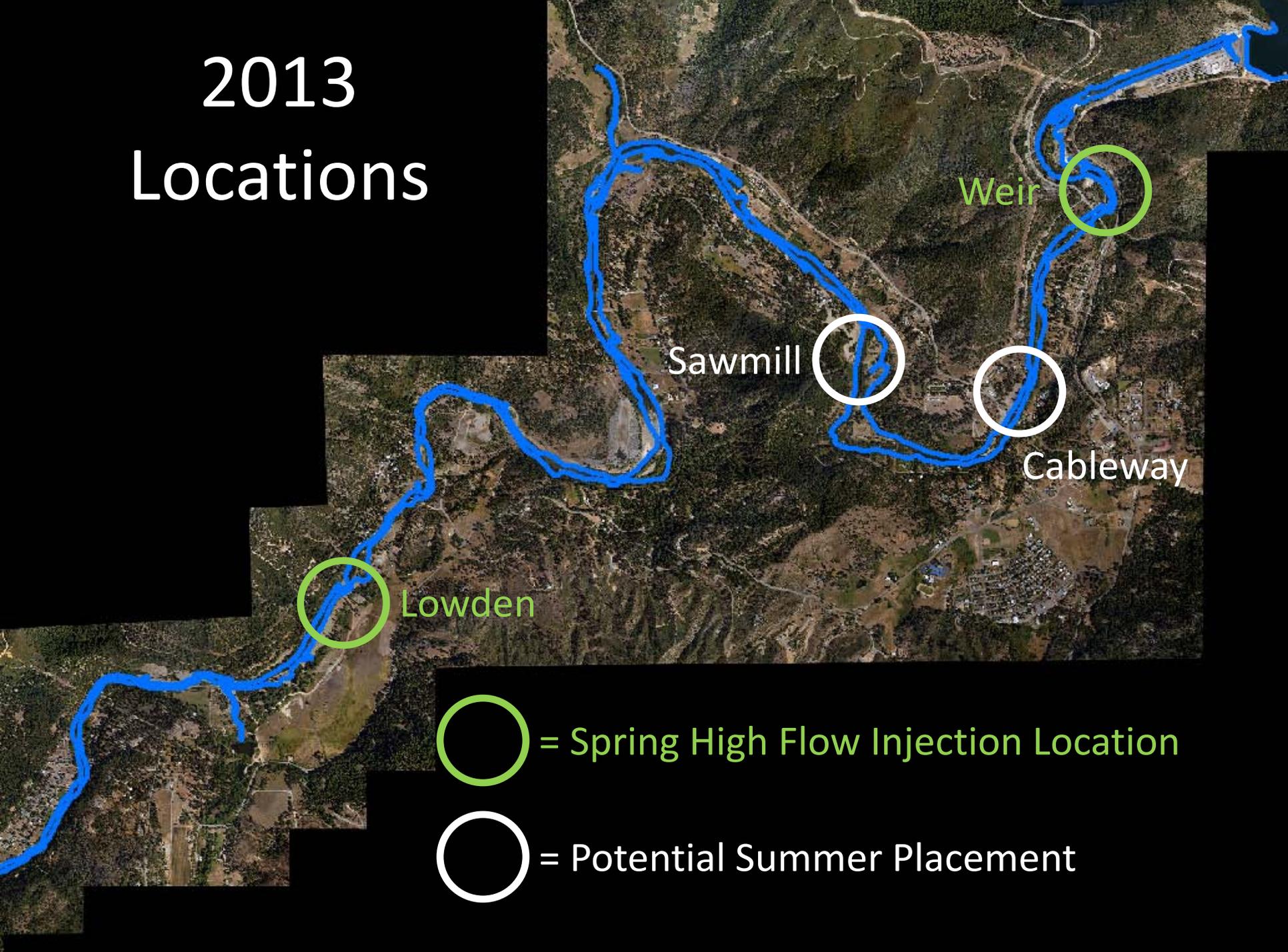
Considerations

- Program goals and objectives
- General volume recommendations
 - ROD
 - Gaeuman 2008
- Water year type
- Sediment balance
- Site specific issues
 - Opportunities / constraints
 - Ability to accommodate sediment
 - Downstream Impacts
- Regulatory compliance
- Recent scientific information
- Other

2013 Recommendation

- Spring High Flow Injection
 - up to 3,000 CY depending on water year determination
 - Total volume < recommended by ROD or Gaeuman 2008
- Potential Summer Placements
 - Bar supplementation
 - Floodplain modifications
 - Awaiting basic engineering and more discussion

2013 Locations



Weir

Sawmill

Cableway

Lowden

 = Spring High Flow Injection Location

 = Potential Summer Placement

2013 High Flow Injections



Potential Bar Supplementation (Lewiston Cableway)



Potential Bar Supplementation (Sawmill)



Potential Floodplain Modification(Sawmill)



Future Plans

- 2013 Potential Summer Placements
 - Finalize recommendation in Feb. 2013
- Overall Coarse Sediment Augmentation Program
 - Review existing guidance documents
 - Consider new information
 - Phase 1 review
 - Pool Depth Analysis
 - Updated Sediment Budget
 - If necessary, update and revise:
 - Objectives / Recommendations
 - Coarse Sediment augmentation
 - High flow releases