Small In-stream Restoration Project Process

1. Define Restoration Goals
2. Consider Costs
3. Identify relevant federal, state, and local laws & regulations; pre-consultation advised
4. Secure Site Location
5. Determine property boundaries, obtain landowner approval, assess local support & obtain public comments, analyze past & present conditions, determine if contaminants are present
6. Registered landscape architects, engineers (civil, structural, hydraulic), geomorphologists, hydrologists, fisheries biologists, wildlife biologists, botanists...
7. Obtain expert technical team to design project
8. Design using known methodologies
9. Estimate cost
10. Consistent with Stream Habitat Restoration Manual, recovery plans, and/or peer-reviewed literature
11. Consider construction, labor, regulatory & permitting fees
12. Secure Funding
   - May take up to 1.5 years
   - It is critical to locate funding before applying for permits. Full funding is necessary for project completion
13. Determine where funding will come from, prepare & submit grant applications
14. Secure all necessary permits, clearances, & approvals
   - CESA ITP: 4-6 months
   - LSA Standard: 2-3 months
   - Determine appropriate permits, then prepare & submit permit applications
15. Monitor the stream through time to assess success
16. Restore the Stream

Pre-Plan
- 2 days – 2 months