

TAMWG Meeting September 13, 2010

Phase 1 - Lessons Learned:

- Importance and use of Large Woody Debris
 - Large Wood being is now being incorporated
- Importance of side channels
 - Side channels incorporated wherever possible (12 have been constructed to date)
- Projects features changed significantly from concepts conceived by scientists to as-built condition
 - Gaeuman on DOI design team and participates in Design Team meetings
 - Program partner site designers scoped for 2 site visits during construction
- Poor documentation of design concepts, expected evolution of features, etc.
 - Design reports required for all sites starting with Sawmill project in 2009
 - Construction contractor responsible for implementation report
- Appropriate channel scaling to match flow/sediment regimes is critical
 - Channel design guide being prepared
- Potential for channel migration is limited and "Aggressive" mainstem work is causing the Program to lose support from local community
 - Focus on bar-scale features in channel and complex floodplain surfaces
 - Anabranching channels under consideration
- Good things happen with the presence of coarse sediment, but there is such thing as too much of a good thing
 - Rate of introduction in pools needs to be considered
 - Erosion impacts, flooding potential, and maintenance of adult holding areas being monitored

Phase 1 - Lessons Not Learned:

- Importance of an Implementation plan that has been agreed upon by all TMC, TAMWG and all Partners – the following table illustrates the difference between the plan and the actual work completed.

Table 1 – Record of Decision versus Actual Implementation

EIR/EIS	Actual
Removal of portions of riparian sand berms to create floodplains	Terrace lowering to create floodplains
3 side channels	12 side channels, so far
15 acres per site	9 acres per site
Construction duration of 6 weeks	Similar
\$300,000 per site	\$550,000 per site *
Construct 24 sites in 3 years and evaluate before proceeding	Program is budgeted and resourced to continue with Phase 2 sites

* Includes one no action site and disputes about Vitzhum Gulch and Bucktail sites

- Cost-benefit of lowering terraces and forced meanders
- Effects on site evolution from flows – only one site has seen more than a normal year
 - 2006 = wet year
 - 2007 = dry year
 - 2008 = normal year (barely)
 - 2009 = dry year
 - 2010 = normal year
- Desired future condition of riparian vegetation unknown
- Limited success of riparian re-vegetation efforts
 - RFP in process
 - Site designs starting to incorporate features to raise groundwater elevations to assist in the establishment of riparian vegetation and wetlands.