

Research Meeting Agenda:

(Attendees: David, Robyn, Mark, Deanne, and Kristin by phone)

Experimental Component

- Hypotheses – Review and/or revise
- Identify Primary research
 - Control method efficacy / cost / rates of regrowth
 - Native plant regeneration after Arundo removal
 - Stream channel capacity after Arundo removal
 - Active versus passive revegetation
 - Regional eradication program efficacy
- Secondary research (piggyback)
 - Water use (evapotranspiration study)
 - Control timing efficacy (chlorophyll content and plant density)
 - Comparison of conditions affecting control (access, density, mixed vegetation, etc.)
- Consider adoption of current and existing experimental designs
 - Joel Trumbo's eradication methodology
 - Karen Gaffney's eradication methodology
 - Jean Hubble's vegetation
 - Rich Holmans' hydrology (HEC model?) (Kristin)
- Stratified design to ensure representation of all the different site characteristics in our study area (eg., urban streams, rural streams in ag environment, rural streams in park environment, etc.)
- Potential role of partners (data collected)
 - Pre and post treatment monitoring
 - Control method costs
 - Photo-documentation
 - Measure vegetation cover
 - Cross sections
 - Measure area treated per year
- Budget costs for research component and partner contributions

Database component

Determine next steps for the Arundo treatment and monitoring database

- Discontinue on-line data entry
- Simplify Access version for partner use in project management
- Incorporate current edits
- Develop new queryable Access database that is modifiable to use for other weeds (riparian)
- Develop advanced level of data entry for calibrating with research data
- Standardize on EDAW's method of estimating area infested by Arundo – **Aerial photo, field truthing, draw on photo, GPS, and digitize to estimate area and removal costs**