

FEASIBILITY STUDY PROGRESS



IDENTIFY ~1000 ACRES POTENTIALLY SUITABLE FOR ENVIRONMENTAL RESTORATION

- Includes vacant property
- Excludes area over landfills
- Excludes archeological sites
- Excludes areas with known development plans



FEASIBILITY STUDY PROGRESS

- Community and stakeholder input used to compile possible restoration measures
- Combinations of possibilities produced a large array of alternative plans
- 14 of the alternatives replicated natural systems and allowed flood conveyance
- These 14 alternatives were analyzed for biologic, hydrologic, and economic conditions



FEASIBILITY STUDY PROGRESS

- The biological analysis (HGM-Hydrogeomorphic Method) produced a relative habitat score used for the ranking of biological outputs
- Using Cost-Benefit Analyses, Corps determined that 9 of the 14 restoration alternatives were 'Cost Effective'
- Using Incremental Cost Analysis, Corps determined that 3 of the 9 were 'Best Buys'





The 3 Best Buys Plans, Plus the No Action Option

- "HHM" → Hydro-mesoriarian restoration approach
- "MMM" → Mesoriarian restoration approach
- "XXX" → Xeroriarian restoration approach
- No Action → End Feasibility Study



IMPORTANT POINTS

- Nothing has been approved or finalized
- Alternatives represent only a “broad-brush” approach
- All restoration alternatives will include passive recreation opportunities



“HHM” Hydro-Meso Riparian Alternative

- Flowing water and emergent marsh communities in stream channel
- Cottonwood-willow & mesquite communities on terraces
- Mesquite bosque and shrub communities on overbank
- Uses 4000-9000 acre-feet/year of water
- Expected increase in abundance of ~95 native wildlife species
- Trees and shrubs would provide improved habitat for wildlife and a pleasant setting for passive recreation





HHM - Assets

- Best habitat diversity
- Provides irrigation to project area

HHM - Drawbacks

- Extreme water consumption and cost
- High construction costs
- High maintenance costs
- Density of in-channel trees limited by flood conveyance issues



“MMM” Mesoriparian Alternative

- Mesquite communities on terraces, with some cottonwoods where conditions permit
- Mesquite bosques and shrub communities on overbank
- Uses 2000 acre-feet/year of water
- Expected increase in abundance of ~80 native wildlife species
- Trees and shrubs would provide improved habitat for wildlife and a pleasant setting for passive recreation

