

Work Task C6: Insect Population Biology in Riparian Restoration Sites

Contact:	Bill Wiesenborn, LC-8226
Purpose:	Investigate insects utilizing riparian areas, especially riparian restoration sites, to determine prey availability for riparian obligate bird species, including southwestern willow flycatcher, and to develop recommendations for increasing this prey base.
Conservation Measure:	MRM1 and MRM2
Long-term Goal(s):	Information obtained from this study will be used to help plan riparian habitat restoration projects.
FY2006 Estimate:	\$126,000 includes Reclamation staff, travel, and a contract for insect identification.
FY2007 Estimate:	0
FY2008 Estimate:	0
Project Description:	Nine LCR MSCP covered bird species utilize riparian habitat for breeding. All nine species utilize insects as their main diet. The main objectives of this study are to measure insect diversity in riparian habitat, especially Hymenoptera; to measure insect availability in restored habitats; and, in conjunction with C5, make recommendations on how to increase insect populations to provide increased food base for riparian birds.
Specific FY2006 Work Tasks:	<ol style="list-style-type: none">a) Coordinate with wildlife agencies and other interested parties to review the scope of the

research on insects and other arthropods. This will be accomplished via conference calls.

- b) Collect insects within selected riparian stands.
- c) Identify insect species present within riparian stands.
- d) Develop recommendations for increasing prey base for LCR MSCP covered species.