

## Work Task C2: Sticky Buckwheat and Threecorner Milkvetch Conservation

FY08 Estimates	FY08 Actual	Cumulative Accomplishment Through FY08	FY09 Approved Estimate	FY10 Proposed Estimate	FY11 Proposed Estimate	FY12 Proposed Estimate
\$11,000	\$10,000.00	\$30,000.00	\$11,000	\$11,000	\$11,000	\$11,000

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**Start Date:** FY06

**Expected Duration:** FY30

**Long-term Goal:** Support existing conservation programs for covered plant species.

**Conservation Measures:** STBU1 and THMI1.

**Location:** Reach 1, Nevada.

**Purpose:** Provide funding to support existing conservation programs for sticky buckwheat and threecorner milkvetch.

**Connections with Other Work Tasks (past and future):** These are stand-alone conservation measures described in the HCP.

**Project Description:** Sticky buckwheat and threecorner milkvetch are covered species within the Clark County MSHCP, as well as the LCR MSCP. Funding in the amount of \$10,000 per year will be provided to the Clark County MSHCP Rare Plant Workgroup to support implementation of conservation measures for these two plant species, which are beyond the permit requirements of the Clark County MSHCP. Funding may be advanced for up to 5 years, depending on availability, to keep administrative costs at a minimum.

**Previous Activities:** In FY07, \$10,000 was provided to the Clark County MSHCP Rare Plant Workgroup via a 5-year agreement between Reclamation and the NPS.

**FY08 Accomplishments:** In FY08, \$10,000 was provided to the Clark County MSHCP Rare Plant Workgroup via a 5-year agreement between Reclamation and the NPS. These funds were used in 2007 and 2008 for a pilot study to determine a new survey protocol for sticky buckwheat and threecorner milkvetch.

For sticky buckwheat, data collected included associated plant species, cover estimates of all plant species occurring within plots, threats, disturbance, and number and location of all sticky buckwheat plants within each plot. Exotic plant species occurred more frequently within plots, which suggests that as relative cover of exotics increases, native species cover decreases. A cattle

exclosure study determined the effects of grazing and trampling on sticky buckwheat, and no significant difference was found between exclosure plots and control plots from one year of data.

For threecorner milkvetch, data collected included presence/absence of threecorner milkvetch for spatial patterning, plant species composition, cover estimates for each species, disturbance, threats, and threecorner milkvetch counts and locations. Native species had a higher cover than exotics, consecutive years of data will allow for more detailed analyses.

**FY09 Activities:** Funds in the amount of \$10,000 will be transferred to the NPS through a 5-year agreement. A report will be provided to Reclamation summarizing monitoring of threecorner milkvetch and sticky buckwheat.

**Proposed FY10 Activities:** Funds in the amount of \$10,000 will be transferred to the NPS through a 5-year agreement. A report will be provided to Reclamation summarizing monitoring of threecorner milkvetch and sticky buckwheat.

**Pertinent Reports:** The scope of work is available upon request from the LCR MSCP. *Report on Astragalus geyeri var. triquetrus (Threecorner Milkvetch) and Eriogonum viscidulum (Sticky Buckwheat) within Lake Mead National Recreation Area - 2008* will be posted on the LCR MSCP Web site.