

TITLE AND LOCATION (<i>City and State</i>)	YEAR COMPLETED	
	PROFESSIONAL SVCS	CONSTRUCTION
Paleontology of the Owens Valley (Inyo County, CA)	2003-04; 06-07	ongoing
a. PROJECT OWNER Great Basin Unified Air Pollution Control District	b. POINT OF CONTACT NAME Theodore D. Schade	c. POINT OF CONTACT TELEPHONE (760) 872-8211
BRIEF DESCRIPTION OF PROJECT AND RELEVANCE		

Description:

Cogstone Resource Management Inc. was retained to provide the first paleontology assessment of Owens Lake Valley and several years later to assess additional areas of proposed impacts. The record search and research discovered previously recovered fossils in a local museum and in the Los Angeles County Museum. A sampling survey was designed based on the record search and geology. Several fossil localities were discovered during the survey and Pleistocene and Holocene fossils were collected, identified and analyzed.

All of the background research, record search results and survey results were used to determine the overall paleontological sensitivity of the lake sediments and to assess the probably impacts of proposed dust control measures. Mitigation recommendations were provided.

Size:

Owens Lake bed is roughly 16.8 miles long and 9.5 miles wide.

Scope of Work:

1) Research- Consultation of geological maps and publications (including prior paleontological surveys/ assessments) to determine the formations present and their relative potential to contain fossils. Additionally museum records searches were performed to locate fossils from the lake bed.

2) Survey- Budget was available for a 1% survey. Cogstone determined the areas of focus after completing the background research and record searches. These most sensitive areas were primarily near Keeler and the southern end of the lake.

3) Reporting- The final report described known localities from the lake and the banks of the Owens River at the north end of the lake, as well as the paleontological resources recovered during the survey, and provided a mitigation plan for future work.



Reports:

2007 Gust, S., and K. Scott. **Paleontological Evaluation of 2008 Supplemental Control Requirements for the Owens Valley PM10 Planning Area Demonstration of Attainment State Implementation Plan, Inyo County, California.** Performed survey of areas for new dust controls measures in Owens Lake Valley, prepared evaluation of impacts due to new dust control measures and provided mitigation measures for the Great Basin Unified Air Pollution Control District under contract to Sapphos Environmental, Inc.

2003 Gust, S. **Paleontological Assessment Report and Mitigation Plan for the Owens Valley Project, Inyo County, California.** Performed record search, research, sampling survey of Owens Lake Valley, fossil recovery and preparation, fossil analysis, prepared evaluation of impacts due to dust control measures and provided mitigation measures for the Great Basin Unified Air Pollution Control District under contract to Sapphos Environmental, Inc.