

# KATHERINE LANDING - LAKE MOHAVE RESORT



**Project Size:**

**+\$750,000**

**Project Service Dates:**

**August 1999 - 2008**

**Project Location:**

**Lake Mead National Park (Bullhead City, AZ)**



## Project Description:

- This turn-key design/build project required (1) site characterization and remedial work plan preparation; (2) site characterization & remedial investigation; (3) design and installation of a full-scale air sparge (AS) / soil vapor extraction (SVE) system using thermal and catalytic (therm-cat) off-gas treatment; and (4) operation & maintenance of a 500-scfm AS/SVE therm-cat system on the shores of Lake Mead National Park.
- Completed under direct supervision of the Arizona Department of Environmental Quality, and with direct-participation of the National Park Service, this motorboat fueling station remediation project is essential to protection of Lake Mead National Park, as well as the drinking water resources of downstream Colorado River water consumers.
- Project work tasks included:
  - corrective action plan design & preparation;
  - site characterization & remedial investigation;
  - groundwater monitoring & reporting;
  - soil boring installation & sample collection;
  - monitor well, SVE well, and air sparge well design & installation;
  - remedial infrastructure design & installation;
  - AS/SVE remedial system design & operation;
  - thermal & catalytic oxidation off-gas treatment;
  - remedial progress reporting;
  - management and disposal of investigative derived waste and construction debris;
  - delineation of public and private utility service lines;
  - coordination with the Arizona Department of Environmental Quality;
  - management of state assurance fund cost recovery.

