

## **BRIEFING STATEMENT**

**Date:** March 5, 2003

**Title:** USGS Recoverability and Vulnerability of Desert Ecosystems Project (RVDE)

**Issue:** DMG support and feedback to the RVDE program

### **Background:**

In 1998 the USGS embarked upon a multi-year, interdisciplinary study of the recoverability and vulnerability of the Mojave Desert. The study, originally dubbed *Where Desert Meets the City* (attachment one) has evolved beyond the Mojave and is now called *Recoverability and Vulnerability of Desert Ecosystems* (RVDE). The original concept of the RVDE was supported by the DMG. However, when the RVDE FY2000 work plan (attachment two) was drafted, both the Desert Lands Restoration Task Force (DLRTF) and Science and Data Management Team (SDMT) had serious concerns with the project's direction. Some of these concerns were:

- L Many of the questions posed by the RVDE work plan were redundant of previous research that was unrecognized in the work plan
- L Rules or models developed in one part of the desert could not be accurately extrapolated throughout the region as the work plan indicated
- L The final product would not relate to real land management decisions
- L Some of the questions posed by the DLRTF were not being considered (SDMT 1999).

The original concept of RVDE was to provide the science and create models and GIS layers that would predict an area's vulnerability to disturbance and the potential for recovery. RVDE could be used as a module to a decision support system (DSS) that could be used in the siting of facilities, rights-of-way, visitor activities, or other disturbances. It could also be used to predict the necessity of active versus passive restoration techniques and the degree of active restoration required for certain types of sites or disturbance.

Regardless to the DLRTF and SDMT concerns, RVDE was never fully funded in spite of a DMG funding initiative. Because of the funding difficulties, USGS' vision for RVDE was never fully reached. USGS has been able to continue the program on a limited basis using base funding.

### **Current Status of proposed actions:**

1. A small ad hoc workgroup be formed to provide land manager feedback to RVDE. Suggested members are: Scofield (BLM), Weigand (BLM), Kenna (BLM), Hughson (NPS), Rodgers (NPS), Collis (Edwards), Evans (MGAGCC), and Everly (DoD).

This workgroup was formed and exist as an email list on dm.gov. The group has not formally met but has reviewed the RVDE material and comments.

2. Hold an informal workshop between RVDE scientist and land management resource specialist. This should be a two-way sharing of information that includes a briefing on current RVDE science as well as agency resource management needs.

This workshop was held in December at the BLM's Riverside Office. Agencies represented were: GS, BLM, Edwards, Ft Irwin, FWS, MDEP, and CalTrans. Many comments and recommendations were generated as a result of this workshop (attachment). The staff specialist present generally thought that RVDE was a valuable program but that GS needed to insure that there would be model validation and customer service.

3. Invite the USGS to provide a brief on the current RVDE status at the December DMG meeting in Needles.

Ann Frazier, the RVDE coordinator, did present a brief at the DMG meeting in Needles.

4. Propose to USGS that the DMG's RVDE ad hoc workgroup serve as a sort of oversight committee to RVDE. This will ensure that RVDE remains focused on agency land management needs while still providing the science necessary to meet RVDE and USGS goals.

**Action Item:**

1. Adopt the attached recommendations from the DMG to USGS regarding the RVDE program.
2. Continue to work with USGS to develop a multiyear work plan for RVDE that reflects DMG and USGS priorities.

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