

**Evaluation of Transition of Science to
Management Actions in Adaptive
Management Programs**

GCDAMP Science Advisors

**TWG Presentation
September 29-30, 2009
Phoenix, AZ**

1

AMWG Charge to SAs

“AMWG requests that the Science Advisors survey other adaptive management programs and develop a report which describes their definitions of criteria for defining science based management actions and the transition from research to management. The report should be provided to the TWG and AMWG members, and TWG should review the report and forward to AMWG options for AMWG to consider with regard to how GCDAMP should handle these issues”

2

**Questions Have and Continue to Exist Within
GCDAMP Regarding This Issue As Follows:**

- In AM what does it mean to move from science to management actions or conservation measures?
- Can we learn from other AMP examples?
- Where does monitoring fit?
- Does implementation of management actions fall on a continuum of needed science depending upon associated penalties and managers risk aversion?
- What are important consideration in defining criteria for management actions?

3

SA Objectives

- A. Evaluate 5-10 federal, state, and other AM and/or similar programs to evaluate how they transition from science to management.
- B. Identify criteria and/or guidelines that assist scientists managers and stakeholders in the transition

4

Criteria for Selecting Case Study Programs

- Federal, state or other programs
- Utilize AM or similar process
- Long term programs with authorities to resolve landscape level natural and social resource issues
- Implementing actions to improve resources is critical goal
- Science learning to resolve uncertainty and risk is critical goal
- Needs exist to transition to management actions

5

Steps in Assessment

1. Evaluate literature that contribute criteria, guidelines, models, information, etc; that clarify opportunities for movement from scientific to management actions
9/09-11/09
2. Screen 20-30 programs for 5-10 case studies;
(9/09/11/09)
3. Define criteria, guidelines, information for appropriate transition etc. (10/09-12/09)
4. Develop report of findings (12/15/09)

6

Examples of Potential Programs for Screening

- Sonoita Valley Planning Partnership
- South Florida Restoration Task Force
- Northwest Forest Plan
- Upper Colorado RIP
- Bridge River of British Columbia
- Chesapeake Bay Program
- Lower Colorado - MSCP

7