SCIENCE ADVISORS
REVIEWS OF
GCMRC STRATEGIC SCIENCE PLAN
GCMRC CORE MONITORING PLAN

BY

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SAs REVIEWS OF GCMRC’S STRATEGIC SCIENCE PLAN AND CORE MONITORING PLAN

1ST REVIEW OCTOBER, 2003
2ND REVIEW JUNE, 2004
SA RECOMMENDATIONS ON GCMRC STRATEGIC SCIENCE PLAN

- Increased emphasis on collaborative planning and integration by TWG/GCMRC/AMWG of science and management programs
- Science Center should aggressively coordinate and lead science planning and implementation
- Focus science efforts on critical management questions
SA RECOMMENDATIONS ON GCMRC STRATEGIC SCIENCE PLAN

- More aggressive science and adaptive management efforts on critical science issues
- Increased efforts to implement an integrated ecosystem science paradigm
- Explicit linkage of research/monitoring program
OUTCOMES OF STRATEGIC PLAN REVIEW

PLAN REVISION HAS:

- INCREASED COLLABORATIVE EFFORTS OF GCMRC/AMWG/TWG IN SCIENCE AND MANAGEMENT PLANNING
- MORE AGGRESSIVE APPROACHES IN SCIENCE AND MANAGEMENT PROGRAM PLANNING AND IMPLEMENTATION
- EFFORTS TO DESIGN AND IMPLEMENT IMPROVED INTEGRATED ECOSYSTEM SCIENCE PROCESSES
- FOCUS OF SCIENCE EFFORTS ON CRITICAL MANAGEMENT PROBLEMS
REVIEW OF CORE MONITORING PLAN

SA RECOMMENDATIONS INCLUDED:

- NEED FOR IMPROVED PRIORITIZATION OF MONITORING PROGRAMS
- NEED FOR MORE CLEAR SCIENCE BASIS FOR SOME MONITORING PROGRAMS
- EFFORTS TO INVOKE IMPROVED INTEGRATED ECOSYSTEM CONCEPTS
- NEED FOR GREATER LINKAGE AND INTEGRATION OF SCIENCE AND MANAGEMENT PLANS AND PROGRAMS; I.E., LTEP, CMP, HBC
OUTCOMES OF REVIEW:

- TWG/GCMRC/AMWG AD HOC/SA COLLABORATIVE EFFORTS TO REVISE CMP
- PLANNED STATUS OF KNOWLEDGE
- SA CHARGE TO RECOMMEND INTEGRATED/ECOSYSTEM SCIENCE APPROACHES
- ATTEMPTS AT PRIORITIZATION
- EFFORTS TO LINK RESEARCH AND MONITORING EFFORTS
A REVIEW OF THE GLEN CANYON DAM ADAPTIVE MANAGEMENT PROGRAM
EVALUATE

- MISSION AND GOAL CLARITY
- ISSUES OF ROLES AND RESPONSIBILITIES
- GENERAL ORGANIZATIONAL EFFECTIVENESS
- PROCESSES OF MANAGEMENT, SCIENCE, REPORTING, REVIEWS
- PRODUCTIVITY OF MANAGEMENT, SCIENCE, REPORTING, REVIEWS
AREAS OF REVIEW INQUIRY

- MISSION, GOALS, OBJECTIVES
- LEADERSHIP
- ORGANIZATION
- BUDGET
- COMMUNICATION
- PROCESS
- OUTCOMES
QUESTIONS DRIVE THE REVIEW AND EVALUATIONS

MISSION/GOALS/OBJECTIVES

- ARE GOALS/OBJECTIVES CLEAR AND APPROPRIATELY ARTICULATED FROM MANAGERS TO SCIENTISTS/TECHNICAL SPECIALISTS?

ORGANIZATION

- ARE THE ROLES/RESPONSIBILITIES FOR EACH AMP AREA (I.E., AMWG/TWG/GCMRC/SA) EFFECTIVELY DEFINED OPERATIONALLY AND ARE THEY UNDERSTOOD AND AGREED TO?

PROCESS

- WHAT ARE THE BEST APPROACHES TO ECOLOGICAL INTEGRATION WITHIN GCMRC, AND ORGANIZATIONAL INTEGRATION WITHIN GCD AMP?
- HOW WELL DOES THE AMP DETERMINE LIFE CYCLES, ESPECIALLY TERMINATION OF PROJECTS AND PROGRAMS?
QUESTIONS DRIVE THE REVIEW AND EVALUATIONS

BUDGET
- WHAT PRIMARY IMPROVEMENTS ARE NEEDED IN THE CURRENT BUDGET PROCESS, I.E., PLANNING, PRIORITIZATION ETC?
- WHAT BUDGET STRATEGIES NOT CURRENTLY ENGAGED WOULD BE HELPFUL TO GCD AMP?

COMMUNICATION
- ARE THE MANAGEMENT, TECHNICAL, SCIENCE RECOMMENDATIONS OF THE TWG COMMUNICATED WELL TO AMWG AND ACTED ON APPROPRIATELY?

RESULTS
- ARE RECOMMENDATIONS TO THE SECRETARY THE RESULT OF AN EFFECTIVE ADAPTIVE MANAGEMENT PROGRAM?
REVIEW AND REPORTING PROCEDURE

• DATA ASSIMILATION, RECORD ASSESSMENT AND INTERVIEW; MARCH-MAY
• EVALUATE DATA AND QUALITATIVE ASSESSMENT; DRAFT REPORT; MAY-JUNE
• EXTERNAL REVIEW; JULY
• DRAFT REPORT AND AMWG PRESENTATION; AUGUST
• SUBMIT FINAL REPORT; OCTOBER