

Glen Canyon Dam Adaptive Management Program

Science Advisors Program FY 2016 Accomplishments FY 2017 Plans

David P. Braun, Executive Coordinator for Science
Advisors Program
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Presentation outline

- Science Advisors Program FY 2016 Accomplishments
 - SAP Charter and Operating Protocols
 - Fisheries PEP (joint effort with GCMRC)
 - SAP archives
 - FY 2017 work plan and potential longer-term needs
- Science Advisors Program FY 2017 Plans
 - “State of knowledge” review
 - AMP integration of tribal cultural perspectives
 - FY 2018-2020 Triennial Work Plan
 - SAP archives

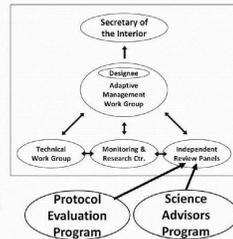
[bullets self-explanatory]

Independent Review Panels and Science Advisors Program

- 1995 FEIS & 1996 ROD established “Independent Review Panels,” coequal with TWG and GCMRC

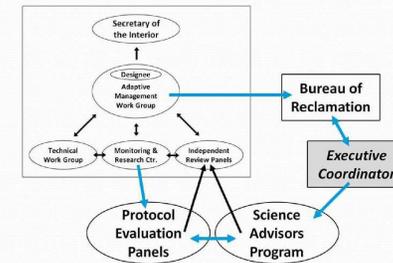
“... responsible for periodically reviewing resource specific monitoring and research programs and for making recommendations to the AMWG and the center [GCMRC] regarding monitoring, priorities, integration, and management” (1995 FEIS)

- “Science Advisors” and “Protocol Evaluation” programs established in 1998-2000 to fulfill IRP roles



A version of this slide has appeared in several presentations by the Science Advisors program Executive Coordinator to the AMWG and TWG during FY16. However, feedback indicates that some members remain a little uncertain about the relationship of the Science Advisors Program to the Protocol Evaluation Program (PEP) managed by the GCMRC, and how these two together comprise the “Independent Review Panels” effort mandated by the 1995 FEIS and its 1996 ROD. This slide also sets up Slide 4, which goes into further details about the Executive Coordinator’s office itself.

Science Advisors Program Structure & Reporting



- Contractor to Reclamation (not federal staff)
- Manages SAP planning, actions, reports, archives
- Responds to priorities per Secretary, AMWG, TWG, GCMRC, BoR
- Carries out tasks only as authorized per BoR Task Orders
- Assembles separate panel for each review task (per Task Order)

This slide is intended to help further clarify the place of the office of the Executive Coordinator for Science Advisors in the larger GCAMP effort.

1. The Protocol Evaluation Program is administered by GCMRC, with an original focus on reviews of research & monitoring practices.
2. The Executive Coordinator office was established in 2000 to manage the Science Advisors program, the original focus of which was all other IRP functions envisioned in 1995 FEIS but not handled by the PEP.
 1. Normally represented by one person (today, Braun, for Sound Science LLC; formerly, Garrett)
 2. Other Sound Science team members available to contribute as needed
3. Executive Coordinator office administered by Reclamation (prior to FY15, by GCMRC) on behalf of AMP
4. Potential exists for collaboration between PEPs and SAP, and PEPs have addressed more than “research & monitoring practices”
5. Key features of Executive Coordinator office:
 1. Contractor to Reclamation – not federal staff
 2. Managed SAP planning, actions, reporting, archives
 3. Responds to priorities per Secretary, AMWG, TWG, GCMRC, Reclamation
 4. Carries out tasks ONLY with authorization through Reclamation Task Orders
 5. Assembles a separate panel for each review – an important difference from previously, which relied on a standing panel, but TWG has proposed amending this to allow for standing panels under some circumstances – see next slide.

FY 2016

SAP Charter and Operating Protocols

- Actions
 - Integrated all previous amendments
 - Incorporated OMB (2004) external review standards
 - Incorporated changes due to transfer of administration to Reclamation
 - Reclamation & TWG reviews & revisions
- Status
 - Further action currently tabled for government-to-government consultation with Tribes

FY 2016

Fisheries Protocol Evaluation Panel

- Assisted GCMRC per request from GCMRC and Reclamation
 - Potential panelists identified by GCMRC & cooperator scientists, Executive Coordinator, stakeholders
 - Panel 'charges' developed by GCMRC and Executive Coordinator with review by cooperators, TWG
- Workshop August 1-5 (on river and at GCMRC); report expected October-November

A major focus in FY16 was updating the SAP charter and operating protocols.

Actions included:

- Preparing a draft update that:
 - Integrated amendments approved by AMWG and Secretary in 2004 and 2009 but not previously merged into charter document
 - Incorporated guidance from OMB (2004) standards for external peer review of government programs and reports
 - Incorporated changes arising from transfer of administration from GCMRC to Reclamation, FY15
- Shepherding drafts and revisions through Reclamation and through TWG, via SCAHG
 - TWG has proposed and internally approved some further changes, e.g., to allow for standing panels under some circumstances
- Current status:
 - Document is a matter of discussion in government to government consultation between Reclamation and Tribes
 - Further TWG and Reclamation action tabled pending outcomes of these discussions
 - No implementation without AMWG and Secretary approval
 - Program continuing to operate under existing charter, protocols, amendments, OMB guidelines and Reclamation contractual requirements

- See separate discussion of the PEP by the GCMRC Chief
- At request of Reclamation and GCMRC, SAP Executive Coordinator assisted with planning and implementation of a Fisheries Protocol Evaluation Panel (PEP)
 - PEP is included in FY14-17 Triennial Work Plan for GCMRC
 - Potential panelists identified by GCMRC & cooperator scientists, Executive Coordinator, stakeholders
 - Panel 'charges' developed by GCMRC and Executive Coordinator with review by cooperators, TWG
- Provided opportunity to explore SAP-PEP relationship w/r/t original "Independent Review Panels" mandate
- Provided opportunity to discuss tribal cultural concerns & options w/r/t monitoring and research impacts

FY 2016
Other Major SAP Activities

- SAP archive
- Identifying options and priorities for SAP for FY 2017
- SAP FY17 plan and budget

Other SAP Executive Coordinator activities in FY16 included:

- Beginning to reassemble SAP archive
 - Document archives spread across GCMRC and AMP
 - GCMRC and Dr. David Garrett (previous SAP-EC) providing assistance
 - Began working with Craig Ellsworth to develop Wiki site page and resources for SAP
- Identifying options and priorities for SAP for FY17
 - Consulted extensively with GCMRC, TWG/AMWG member groups, federal agencies incl. Reclamation, Secretary's Designee
 - Reviewed past SAP emphases & current GCDAMP priorities (per documents and meeting attendance)
- SAP FY17 plan and budget
 - Submitted to and revised with Reclamation
 - Submitted by Reclamation as part of its larger FY17 plan and budget, via normal budgeting process with TWG

FY 2017
“State of knowledge” review

- GCMRC-TWG-SAP collaboration
- Review to focus on two questions:
 - *What is the current state of knowledge concerning: Strategic Science Questions (SSQs), Core Monitoring Information Needs (CMINs), Research Information Needs (RINs), and Desired Future Conditions (DFCs)?*
 - *Where are the most important certainties and uncertainties in this body of knowledge?*
- Recommendations will inform development of FY18-20 Triennial Work Plan (1st plan under LTEMP)

- Review is a collaborative effort with the GCMRC and TWG, integrated into the Annual Reporting process
- Executive Coordinator team to provide external evaluation,
 - via development of a visual representation of drivers, linkages, outcomes, and state of knowledge/certainty
- Will incorporate Fisheries PEP findings
- Recommendations will help inform development of FY18-20 Triennial Work Plan, which will also be the 1st triennial work plan for implementing the LTEMP

FY 2017
Tribal cultural perspectives

- Review(s) will address final guidance from Secretary's Designee Gimbel (July 2016):
 - *"Priorities for the Science Advisors Program should include reviewing the GCDAMP cultural resources program and working with Tribal members to identify how Tribal perspectives and traditional knowledges can be better integrated into the GCDAMP."*
- Review planning will follow government-to-government Tribal consultations

- Planning currently on hold for government-to-government consultation with Tribes.
- Timing of availability of findings therefore presently unknown.
- If available in time, recommendations will help inform development of FY18-20 Triennial Work Plan

FY 2017
FY 2018-20 Triennial Work Plan (1)

- Executive Coordinator team to review DRAFT FY18-20 GCDAMP plan, to advise TWG
 - *Review focus: Does suite of proposed investigative activities optimally meet AMP needs for timely, comprehensive, efficient, unbiased, objective, scientifically sound information?*
- Time-sensitive: must be prepared during brief window between draft and final revisions

Executive Coordinator will contribute to development of FY 2018-2020 Triennial Work Plan in TWO WAYS.

First:

- Executive Coordinator team will provide independent review of the DRAFT TWP
- Purpose of the review: To provide advice on whether the *suite of proposed investigative activities optimally meet AMP needs for timely, comprehensive, efficient, unbiased, objective, scientifically sound information.*
- Review will need to be completed rapidly during a brief window of time, between completion of DRAFT TWP and final revisions
 - Narrow time window best addressed by using same team that will have assisted the State of Knowledge review earlier in FY17

FY 2017 FY 2018-20 Triennial Work Plan (2)

- Executive Coordinator team to develop SAP elements of DRAFT FY18-20 GCDAMP plan
 - Incorporate suggestions & priorities from Secretary, AMWG, TWG, GCMRC, Reclamation, 'State of Knowledge' review
 - TWG SCAHG oversight; GCMRC coordination
- Reviews: Reclamation, TWG, AMWG, Secretary

Secondly, Executive Coordinator will contribute to development of FY 2018-2020 Triennial Work Plan by preparing draft plans specifically for the **Science Advisor Program elements** of the Triennial Work Plan.

- Planning will incorporate suggestions & priorities from Secretary, AMWG, TWG, GCMRC, Reclamation, "State of Knowledge" review
- Process established with TWG SCAHG oversight
- Plan development also requires close coordination with GCMRC
- SAP draft plans subject to review by Reclamation, TWG, AMWG, Secretary

FY 2017 SAP Archives

- Complete reassembling SAP archive on GCDAMP 'Wiki' site
- Copy to Reclamation (deliverable)

Other SAP Executive Coordinator activity presently planned for FY17:

- Completing reassembling SAP archive
 - Complete work with AMP archives, GCMRC, and Dr. David Garrett
 - Work with Craig Ellsworth to complete Wiki site page redesign & update for SAP