



Grand Canyon Monitoring and Research Center

*Update on Strategy for Developing
Information Needs Derived from
AMP Goals and Management
Objectives for the Colorado River
Ecosystem*

GCMRC Program Staff

Flagstaff, AZ



Presentation Outline

- The GCMRC's IN Development Strategy
- Timeline and Schedule for 2001 - 2002
- Recent Activities for Biology and Physical MO's
- Recent Activities for Socio-Cultural MO's
- First Workshop Outcome – Terrestrial/Aquatic
- Call for Comments from TWG and SAB
- Schedule for Future IN Development Activities

MO's – IN's and GCMRC

- Follow Integrated Structure of GCMRC
- Group MO's into Ecosystem Organization
- Detail How IN's Relate to MO's - within the GCMRC Strategic/Annual Science Plans
- Initial “Sequencing” Determined - on basis of Science Rationale and Fiscal Program Limitations
- Limit Initial Development of IN's - to those Pursued in GCMRC's 2002-2006 Strategic Plan

Information Need Development

2001 – 2002 Timeline

- Participation by GCMRC in Development of MO's
Draft IN's Follow PEP and NRC Guidance (*Hierarchical*)
- IN's Follow GCMRC Science Program (*Ecosystem*)
Workshop I - Scientists and Stakeholders (April)
- Presentation of Draft IN's to TWG (May 30th)
TWG Comment Period and Revision (June 2001)
- SAB Comment Period and Revision (July - August 2001)
Workshop II - TWG and Scientists in Flagstaff (August)
- Incorporation of Revised IN's into GCMRC Strategic Plan
Seek Approval of IN's from Strategy in January 2002

Recent IN Activities

Biology/Physical and Socio-Cultural

- **Biology/Physical IN's Workshop in April 2001**
Workgroup Participants Organized into Aquatic and Terrestrial Ecosystem Sessions
- **Socio-Cultural/Recreation Workshop in May 2001**
Ongoing Process for Seeking Comments, with Intent for Joint-Participation in Workshop II

First Workshop Outcome

(Biology/Physical)

- Aquatic Ecosystem Group Focus

Fish “Population Estimates and Dynamics”,
followed by “Limiting Factors”

- Terrestrial Ecosystem Group Focus

Mapping Riparian Vegetation Distributions
Throughout the Ecosystem

- Written Comments Solicited

Received 5 Spreadsheet Replies from Scientists,
Including Information on “Sequencing”

Seeking TWG Comment

- Electronic Spreadsheet Format Distributed on **(June 1st)**
Comments Back to Serena Mankiller by e-mail **(June 21st)**
- Comment on Existing Draft IN Language
Evaluate Relative Need for “Sequencing” (low, med, high)
- Commit to Full TWG Participation in Workshop II
Provide Additional Draft IN’s that May not be Listed
(Need to Establish Date)

Future IN Development

Summer 2001

- Next Draft will Identify Research vs. Monitoring IN's
- GCMRC's '03 Annual Plan will Describe IN's in Projects
- Some Target Levels are Known, Others Need Research
- Workshop II – Will Focus on Strategic Science Planning
- Integration of Physical, Biological and Socio-Cultural

THANK YOU FOR YOUR
ATTENTION

*Grand Canyon Monitoring and
Research Center
U.S. Geological Survey*