

A SCHEDULE FOR COOPERATIVE DEVELOPMENT OF A LONG-TERM
MONITORING AND RESEARCH PLAN
FOR THE
GRAND CANYON MONITORING AND RESEARCH CENTER, FLAGSTAFF, AZ

Development of the Long-term Monitoring and Research Plan will be a collaborative effort led by the Grand Canyon Monitoring and Research Center. The process will have extensive involvement and input from stakeholders associated with the general Grand Canyon research area, including; federal and state agencies, Native American tribes, electric power and water management groups, environmental groups, recreation and other special interest groups.

The effort will also have extensive involvement of scientists who have conducted research in the Canyon and scientists/program managers skilled in science program development. Finally, the developed plan will receive external independent science review from the National Research Council to assure quality science programming.

The following schedule is proposed for development of the Long-term Monitoring and Research Plan (LTP).

Month	Activity
June Planning Group meeting June 19 10am-3pm Phoenix	Transition Program reviewed. Specification of stakeholder monitoring and research information needs.
July Scientist LTP Workshop July 8-11 Flagstaff Planning Group LTP Workshop July 16-17 Flagstaff	Assessment of past research and NRC reviews. Revision of draft LTP by scientists. Assessment of LTP ability to meet prescribed stakeholder monitoring and research information needs.
August Scientists LTP Workshop August 5-8 Flagstaff Planning Group meeting August 20-21 Flagstaff Proposed TWG meeting August 27 Phoenix	Revision and refinements of LTP. Refinement of LTP applicability to stakeholders' needs. Review of Draft LTP with TWG.

Month	Activity
<p>September Release of draft LTP to NRC Planning Group meeting 9/17</p> <p>October Scientists/Planning Group 2-day Workshop Colorado River location October 8-9 Scientists Workshop October 10-12</p> <p>November Scientists Workshop November 11-14 Planning Group Workshop November 19-20</p>	<p>NRC review of draft plan. Establish revised plan and schedule for completion of LTP. Evaluation of probable LTP costs of implementation.</p> <p>Clarifying mechanisms for maintaining science independence while responding to management needs. Development of monitoring procedures.</p> <p>Scientists Plan for revision of LTP - refinement of ecosystem sampling procedures.</p>
<p>December Scientists Workshop December 2-10 Planning Group meeting December 10</p> <p>January - April</p>	<p>Scientists draft final LTP</p> <p>Scientists and Planning Group evaluate application of final plan to stakeholder information needs.</p> <p>Scientists workshop for defining state of art monitoring and sampling procedures. Scientists workshop to develop methodologies for designing ecosystem monitoring and sampling procedures. Scientists develop first year annual research plan with sampling procedures. Planning group/scientists workshop to review applicability of annual science plan to stakeholders needs. Program Managers convert year/annual research plan to contract CFPs, cooperative agreements, interagency agreements, etc., for program implementation.</p>

Month	Activity
May	NRC releases final review comments on LTP to Research Center and AMWG. Research Center revises LTP and first year plan as necessary and reviews changes with Planning Group and AMWG.
June	Research Center releases to Secretary of the Interior/ Assistant Secretary for Water and Science LTP, 1998 research plan for approval
July	Research Center implements contract CFPs, cooperative agreements, interagency agreements for first year program.

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