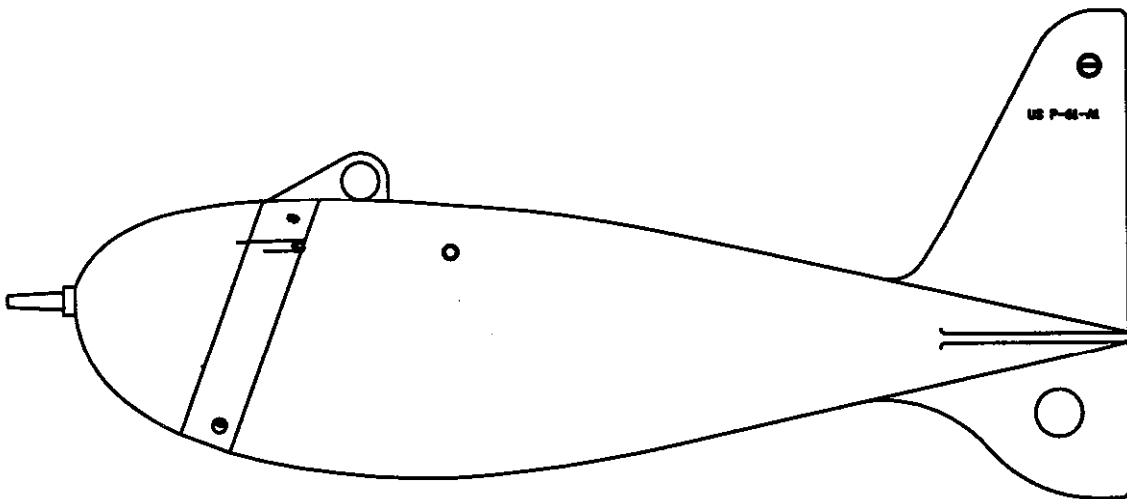


Proceedings of the

Sixth Federal Interagency Sedimentation Conference

March 10-14, 1996

Las Vegas, Nevada



Volume 1

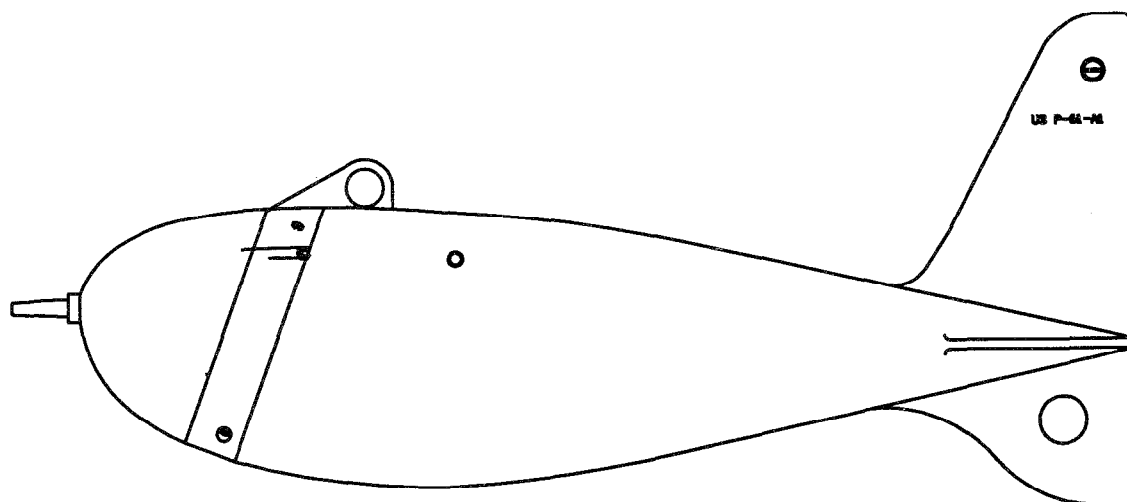
Sponsored by the Subcommittee on Sedimentation
Interagency Advisory Committee on Water Data

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Volume 2

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SIXTH FEDERAL INTERAGENCY
SEDIMENTATION CONFERENCE**

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**Interagency Advisory Committee on Water Data
Subcommittee on Sedimentation**

Agricultural Research Service (ARS)
Bureau of Indian Affairs (BIA)
Bureau of Land Management (BLM)
Bureau of Mines (BOM)
Bureau of Reclamation (USBR)
Corps of Engineers (COE)
Council on Environmental Quality (CEQ)
Department of Housing and Urban Development (HUD)
Environmental Protection Agency (USEPA)
Federal Energy Regulatory Commission (FERC)
Federal Highway Administration (FHWA)
Forest Service (USFS)
Geological Survey (USGS)
International Boundary and Water Commission (IBWC)
National Biological Service (NBS)
National Oceanic and Atmospheric Administration (NOAA)
National Park Service (NPS)
Natural Resources Conservation Service (NRCS)
Nuclear Regulatory Commission (NRC)
Office of Surface Mining Reclamation and Enforcement (OSMRE)
Tennessee Valley Authority (TVA)

PREFACE

These proceedings of the Sixth Federal Interagency Sedimentation Conference contain 175 technical papers. Additionally, about 25 technical poster displays are planned. This conference is sponsored by the 21-member Subcommittee on Sedimentation of the Interagency Advisory Committee on Water Data. The conference theme is

Sedimentation Technologies for Management of Natural Resources in the 21st Century

The enclosed technical papers document the scheduled oral presentations and poster sessions. The papers are organized into ten general sections according to broad subject matter headings.

The proceedings have been prepared in advance of the conference so that all papers could be available to conference participants during presentations.

The Subcommittee held five previous interagency sedimentation conferences--the First in Denver, Colorado, May 6 to 8, 1947; the Second in Jackson, Mississippi, January 28 to February 1, 1963; the Third in Denver, Colorado, May 22-25, 1976; the Fourth and Fifth in Las Vegas, Nevada, March 24 to 27, 1986, and March 18 to 21, 1991, respectively. The first four meetings were conferences involving federal agencies only: papers and discussions were given only by the staff of the agencies on the Subcommittee and by individuals engaged in cooperative sedimentation work with the agencies. Beginning with the Fifth and continuing with the Sixth Conference, however, a limited number of technical papers are being presented by nonfederal agencies in order to capture the full spectrum of sedimentation issues that relate to the condition of natural resources.

This conference brings together professionals and others from (1) the federal government, (2) state and local agencies, (3) universities, (4) the private sector, and (5) foreign organizations, with papers contributed by scientists from China, Egypt, Taiwan, and the United Kingdom.

Since 1946, the Subcommittee on Sedimentation has focused on interagency coordination. Some major ongoing Subcommittee activities that may be of interest include:

1. The Interagency Sedimentation Project at the Corps of Engineers Waterways Experiment Station, Vicksburg, MS.

The project, supported by six Subcommittee member agencies, is actively developing and testing sediment and water quality sampling devices.

2. Reservoir Sedimentation Survey

Every 5 years, the participating agencies publish current reservoir sedimentation data in a "Summary of Reservoir Deposition surveys Made in the United States." The data are now included in a relational data base developed by the Natural Resources Conservation Service (See the Lyle Steffen paper on RESIS).

3. Annual Activity Report

An annual report, "Notes of Sedimentation Activities," summarizing all the member agencies' sedimentation work during the calendar year, is published and distributed the following year.

The following members of the Subcommittee are actively involved in organizing this conference:

General Chairman William Boning USGS (ret.)

Technical Program Committee

Chairman: Jerry M. Bernard	NRCS
Carlos Alonso	ARS
Shou-shan Fan	FERC
David A. Farrell	ARS
Bill Garrett	COE
Warren Harper	USFS
Harvey Jobson	USGS
Joe Lyons	USBR

Operations Committee:

Chairman: G. Douglas Glysson	USGS
Robert Brose	USBR
Tony Cappellucci	USBR (ret.)
Bob Joyce	TVA (ret.)
Vito Latkovitch	USGS
Paula Maker	USBR
Ted Yang	USBR

Many thanks to all the participating agencies' representatives, who generously gave their time and efforts to make this conference a success.

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