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INTEGRATED DEVELOPMENT PROJECT (IDP)  
USAID/OMVS  
MID-TERM PROJECT DESIGN REVIEW  
MARCH 22 - 30  
DAKAR, SENEGAL

A. Agenda for the Week

- |  |                |
|--|----------------|
| 1. Review Team Arrival   | March 20 to 22 |
| 2. Field Visits  | March 23 to 25 |
| 3. Review Team Meeting with USAID Mission Directors, Coordinator, Design Officer | March 26       |
| 4. Formal Review   | March 27, 28   |
| 5. Review Team Meeting with USAID Mission Directors, Coordinator, Design Officer | March 29       |
| 6. Review Team Departure   | March 30       |

B. Participants

<u>AID/Washington</u>	<u>ETA</u>	<u>Hotel</u>
1. Donald Fiester, ST/AFR	3/22	Independance
2. Joseph Hartman, AFR/DR/ARD	3/22	"
3. Dayton Maxwell, AFR/SWA	3/22	"
4. Carole Scherrer, AFR/DR/ARD	3/19	"
5. Ann McDonald, AFR/DR/SWAP	3/22	"
6. Jack Snead, AFR/DR/ENG	3/22	"
7. Joseph Stockard, AFR/DR/H	3/19	"
8. Jerome Wolgin, PPC/PDPR	3/22	"
<del>9. Robert Kramer, PPC/PE</del>	3/22	"
<u>REDSO/WA</u>		
10. Tridib Mukherjee, AF/ECON	3/25	Independance
11. Glenn Anders, AG/ENG	3/25	Lagon
12. Vernita Fort, ENV	3/25	Lagon
13. Belinda Barrington, A/RLA	3/25	Independance
<u>USAID/Mali</u>		
14. David Wilson, Director	3/26	Independance
15. Lew Lucke, OMVS liaison	3/20	Independance
16. Rollo Ehrich, ADO	3/27	Croix du Sud
<u>USAID/Mauritania</u>		
17. Peter Benedict, Director	3/26	Independance
18. Thomas Kellerman OMVS Liaison	3/25	Independance
<u>USAID/Senegal</u>		
19. David Shear, Director		
20. Vito Stagliano, OMVS Coordinator		
21. Ben Stoner, IDP Project Manager		
22. Michael White, RHO		
23. John Balis, ADO		
24. Peter Freeman, Environmentalist		

C. Design Team

1. Michael Mau, Design Officer
2. William Emerson, River Basin Planner
3. Sheldon Gellar, Political Scientist
4. Ronald Schwartz, Sociologist
5. Mohamed Radwan, Soil Scientist
6. Jacques Ternoy, Agronomist
7. Jacques Merlo, Civil Engineer
8. Geoffrey Howard, Institutional Dev.
9. Richard Taylor, Training
10. Craig Buxton, Private Sector
11. Dirck Strycker, Economist
12. Jeffrey Metzger, Ag. Econ.
13. Kathryn Craven, Marketing Econ.
14. Wilbur Downs, Health
15. Herbert Sacks, Health
16. Robert Tesh, Sanitation
17. George Silver, Health
18. Lucie Colvin, Land Tenure
19. John Bernotavicz, Legal
20. Anna Bathily, Women's Participation
21. Richard Gold, Donor Coordination
22. André Riou, Irrigation Eng.

D. Support Team

1. Dennis Bilodeau, Manager
2. Christine Lyons, Administrative Officer

E. Daily Agenda

1. Day One March 22

- . Arrivals 11:15 a.m
- . Distribution of Orientation Kit
- . Distribution of Draft Project Paper
- . Afternoon free
- . General Programmatic and Administrative  
Orientation USAID Conference Room 4th Fl. 5:30 p.m

2. Day Two March 23 (Field Visit)

- . Departure from Hotel 6:30 a.m
- . Departure from Dakar Airport (Charter) 7:30 a.m
- . Arrival Boghe, Mauritania 9:20 a.m
- . Drop-off Boghe Group
- . Departure Boghe 9:50 a.m
- . Arrival Bakel, Senegal 10:50 a.m
  
- . In Boghe
  - Courtesy visit to SONADER (Société  
Nationale pour le Développement Rural)  
Representative 10-10:30 a.m
  - Courtesy visit to Prefet of Boghe 10:30 a.m
  - Visit to Proposed Project Sites 10:45 a.m
  - Picnic Lunch
  - Continued Visits to Sites 6:00 p.m
  - Overnight Boghe Guest House

In Bakel

- Courtesy Visit to Préfet 11:15 a.m
- Courtesy Visit to SAED (Société  
d'Aménagement du Delta) Delegate 11:45 a.m
- Visit to Proposed Project Sites 12:30 p.m

Day Two March 23 (Continued)

(Goye Superieure Perimeters)

-Picnic Lunch

-Continued Site Visits

6:30 p.m

-Overnight Bakel Guest House

Composition Boghe Group

AID/W

1. Fiester
- ~~2. Hartman~~
3. Maxwell
4. Snead
5. Kramer

Design Team

6. Emerson
7. Bernotavicz
- Mauritania
8. SONADER Representative

. Composition Bakel Group

AID/W

1. McDonald
2. Scherrer
3. Stockard
4. Wolgin

Design Team

5. Schwartz
6. Stoner (USAID/OMVS)

Senegal

8. SAED Representative

(Chartered Aircraft Overnights Bakel)



4. Day Four March 25

- . Courtesy Visit to OMVS Representative in St-Louis (Small Delegation Composed of two AID/W Representatives and Design Team Member Emerson) 8:00 a.m
- . Courtesy visit to SAED President/Director General. (Small Delegation Composed of two AID/W Representatives and Design Team Member Schwartz) 8:45 a.m
- . Visit to Diama Dam Construction Site Pass by SOCAS Perimeters and factory 9:30 a.m
- . Lunch at Richard-Toll 12:30 a.m
- . Visit C.S.S. 2:45 p.m
- . Depart St-Louis for Dakar by Aircraft 5:30 p.m
- . Arrive Dakar 6:20 p.m
- . Arrive Hotel 7:30 p.m

5. Day Five      March 26

- . General Meeting Between Review Team, Mission Directors, OMVS Coordinator, Design Officer. Discussion of Review Format. (USAID Conference Room, Place Independence, 4th floor) 9:00 a.m.
  
- . Visit to Design Team Headquarters\* for Informal Contacts with Design Team Members 10:00 a.m.
  
- . Access to USAID/OMVS Documentation Center for Reference Material
  
- . Unprogrammed Afternoon for Reading, Personal Business, Confirmation of Return Flights, etc.

\*Teledyne Villa (off Corniche, near University)  
map enclosed.



Taylor  
Buxton  
Bernotavicz

Barrington  
Maxwell

Group Three - Socio-Economic - Chair: Shear

Schwartz  
Colvin  
Strycker  
Bathily  
Metzel

Kramer  
Mukherjee  
Scherrer  
Ehrich  
Stoner

. Return to Hotel

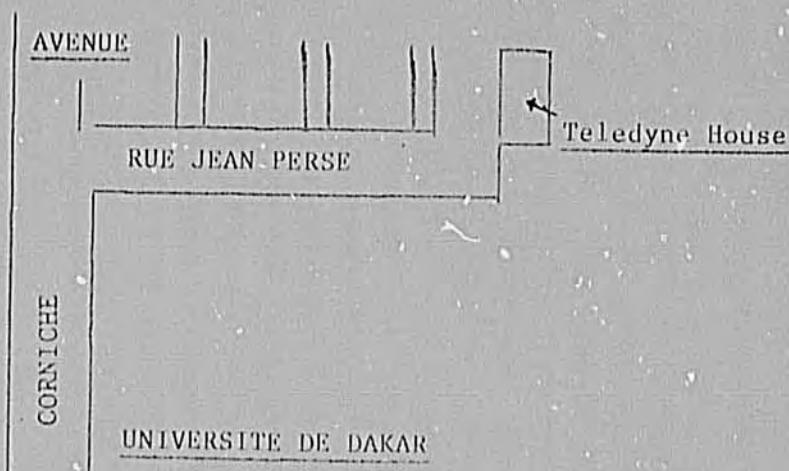
6:30 p.m





F: USEFUL INFORMATION

1. Independence Hotel, Place de l'Independance, Tel 23.10.19
2. Lagon Hotel , Corniche Tel 22.17.80/21.34.14
3. USAID/SENEGAL, Place de l'Independance Tel 22.58.80/22.62.49
  - Mission Director, 4th Floor Tel 21.16.02 Ext 247
  - Conference Room , 4th Floor " " "
  - USAID/OMVS Office, 5th Floor Tel 21.53.79
4. Teledyne Villa Tel 23.04.22



5. USAID/SENEGAL CONTACTS

- . David Shear, Director
- . Floyd Spears, Management Officer
- . Vito Stagliano, OMVS Coordinator
- . Ben Stoner, Project Manager
- . Joe Carvin, USAID Liaison Office, St-Louis Tel 61.15.23/61.19.81

6. SUPPORT

- . Dennis Bilodeau (Teledyne Villa) Administration
- . Christine Lyons " " " Logistics
- . Fatima Bengeloune (USAID/OMVS Office) Protocol
- . Bernadette Daluz (USAID/OMVS Office) Secretary

7. USAID/OMVS PROJECTS

- a. Integrated Development Project (IDP) under design (PP)
- b. Agronomic Research II Project (AR II) " " (PP)
- c. Ground Water Monitoring Project (GM) " " (PP)
- d. Fiscal Allocation Project (FAP) under implementation
- e. Manantali Resettlement Project (MRP) under design (PID)

8. GLOSSARY

- a. OMVS - Organisation Pour la Mise en Valeur du Fleuve Sénégal. Headquarters, Dakar.
- b. SAED - Société d'Aménagement des Terres du Delta et des Vallées du Sénégal et de la Falémé. Headquarters, St-Louis, Senegal.
- c. SONADER - Société Nationale pour le Développement Rural. Headquarters, Nouakchott, Mauritania.
- d. OVSTM - Operation Vallée du Senegal, Térékolé, Magui. Headquarters, Kayes, Mali.

9. PERSONALITIES

- |       |   |                             |
|-------|---|-----------------------------|
| e.    | OMVS High Commissioner                        | Moctar Ould HAIBA           |
|       | OMVS Secretary General                        | Founeke KEITA               |
|       | OMVS Director of Planning<br>and Coordination | Mouhamedine Baba Ould HAMET |
| <hr/> |   |                             |
| f.    | SAED President Director<br>General            | Oumar Kassimou DIA          |
| g.    | Director of Planning &<br>Development.        | Abdou DIA                   |
| h.    | SONADER Director General                      | Cheikh Bati BENANI          |
| i.    | Director of Development &<br>Production.      | Soumare BIRANE              |
| j.    | OVSTM Director General                        | Abdoulaye TRAORE            |

k. Donors in OMVS

- . I.B.R.D. - World Bank
- . C.C.E. - Caisse Centrale (French- (Loans)
- . F.A.C. - French (Grants)
- . K.F.W - German (Loans)
- . F.R.G - Federal Republic of Germany (Grants)
- . F.E.D - European Economic Community (Grants/Loans)
- . CIDA - Canada (Grants/Loans)
- . IFAD/FIDA - UN (Grants)
- . UNDP - (Grants)
- . Kuwaiti Fund - Loans/Grants
- . AFDB/BAD - African Development Bank (Loans)
- . Abu Dhabi Fund - Loans/Grants
- . OPEC Fund - Loans/Grants
- . Saudi Royal Fund - Loans/Grants
- . USAID - Grants
- . Netherlands - Grants
- . Italy - Loans
- . Iraqi Fund - Loans/Grants

10. OMVS INFRASTRUCTURE

. Diama Dam, anti-salinity and water control; construction begun 1981; construction firm SGE of Marseille.

. Manantali Dam, water control and electricity production; construction firm selected is ZUBLIN of Germany. Cornerstone to be laid April 27, 1982.

. Financial Plan (enclosed)

11. CHRONOLOGY OF U.S. INVOLVEMENT IN OMVS

12. CURRENT USAID PROGRAM ACTIVITIES

O.M.V.S. ACTIVITIES

1. The Senegal River Basin Development Organization, created by the governments of Senegal, Mali and Mauritania, is charged with the integrated development of the Senegal River Valley. Known by its French language acronym of OMVS, this regional organization is headed by a High Commissioner who is responsible to a Council of Ministers. The three Heads of State of the countries involved set policy for the OMVS.

The principal development plans of OMVS are to construct a salt intrusion barrier at St-Louis in Senegal, the Diama dam; to build a water control and hydroelectric dam at Manantali in Mali; to establish a navigable river system and ports extending from Kayes in Mali to Saint-Louis in Senegal; and to develop irrigated agriculture in an area covering nearly 400,000 hectares of land to be brought under production by the year 2028.

AID involvement in OMVS activities includes the following:

- (1) An aerial photography and mapping project completed in 1981, which has provided to OMVS and interested donors, detailed maps of the basin at a scale of 1:50,000;
- (2) an environmental assessment and plan of action, completed in 1981, to assure a balance between physical development of the basin and its long-term effects on its flora and fauna.
- (3) an on-going fiscal allocation project to permit the three member states to partition development costs and benefits according to a computerized socio-economic formula;
- (4) a groundwater monitoring project to assess the underground water resources of the basin;
- (5) an agricultural research project to improve farming practices through applied research and extension at three stations in the basin;
- (6) in November 1981, AID launched the design of a six-year integrated project aimed at developing five thousand hectares of irrigated agriculture, constructing 150 kilometers of farm-to-market roads, establishing three health monitoring and surveillance posts; completing pre-feasibility studies for twenty thousand hectares of irrigable land, and, for the long-term, defining and studying major policy constraints which affect the development of the basin. This integrated development effort is part of a broader multi-donor operation in support of the OMVS and its member states.

II. Project specific information is as follows :

Under the rubric of data and institutional development, two projects are underway:

- (A) OMVS Fiscal Allocation & Responsibility Project : 625-0620 A
  - Project Duration : FY 81 - FY 83
  - Total Cost of Project : \$ 640,000
  - Funded to Date : \$ 564,000

This is the second of three projects designed to increase the capacity of the Senegal River Basin Development Organization (OMVS) to manage water, land, and human resources. (The first, as noted, was the Survey and Mapping Activity). The purpose of this activity is to promote the use by OMVS of accepted methods of economic and financial analysis in applying the Separable Costs Reimbursable Benefits method of cost allocation between the three member states : Senegal, Mali, and Mauritania.

Under a technical assistance contract with Utah State University, AID is helping the OMVS develop and apply a methodology for decision makers to apportion costs of using the mainstream infrastructure components, in relation to the benefits accruing to each member state. The project will finance the installation of the first OMVS-operated computer and will train OMVS staff in the use and management of data. The project will also aid OMVS in planning the most efficient use of water resources.

- (B) OMVS Groundwater Monitoring Project : 625-0620B
  - Project Duration : FY 82 - FY 85
  - Total Cost of Project : \$4.0 million estimated
  - Funded to Date : 0

The purpose of this project is to assist the OMVS in groundwater monitoring, data collection and analysis, in accordance with water management objectives. The project will develop a network of wells for monitoring water tables, and offer technical assistance for data interpretation and analysis in such fields as water quality, groundwater hydraulics, water budget/salt balance analysis, and mathematical modeling. Initial project activities will be concentrated in the Delta and Middle Valley with later expansion to cover the entire Basin.

In the Agricultural Development Sector, two important initiatives comprise AID's interventions. These are :

- 1. OMVS Agricultural Research Project : 625-0605
  - Project Duration : FY 82 - FY 87
  - Total Cost of Project : \$13 million, estimated
  - Funded to Date : 0

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This project will improve the capacity of Senegal, Mali and Mauritania to more effectively implement agricultural development activities in the Senegal River Basin by strengthening national agricultural research programs at Fanaye, Senegal; Kaedi, Mauritania; and Same, Mali. The project builds upon and expands earlier OMVS and AID support for agricultural research in the Senegal River Basin and will strengthen regional cooperation in agricultural research.

For Senegal, the work at Fanaye will support the screening of cereal varieties at both the experiment station and at the farmers' fields. The project will expand agronomic trials and demonstration projects, will improve extension services, and will strengthen OMVS and Member States institutional capabilities to manage, coordinate, and share agricultural research activities.

This effort, along with the Agriculture Research and Planning project (0223) and work scheduled under Title III, the Cereals II project (0235), and the Casamance Integrated Development project (0205), forms part of a multi-donor program to reorganize and decentralize agriculture research in Senegal.

2. OMVS Integrated Development Project	: 625-0621
Project Duration	: FY 82 - FY 86
Total Cost of Project	: \$60 million, estimated
Funded to Date	: 0

This project will work towards increasing agricultural production in the Senegal River Basin and insuring a satisfactory rate of development, both before and after construction of the Diama and Manantali dams. To this end, the project proposes an integrated agricultural development plan, involving economic, agronomic, social, transportation, and health components. The final design of this project is expected to be completed in June, 1982. Project implementation activities are expected to get underway in October 1982.

UNAID/MANUAL  
OBVS FINANCED PROJECTS.

Agronomic Research I  
(625-0605)

FY 78	\$100,000	
FY 79	\$173,000	
	\$273,000	\$273,000

Agronomic Research I  
(625-0616)

FY 77	\$300,000	
FY 78	\$960,000	
	\$1,260,000	\$1,260,000

Environmental Assessment  
(625-0617)

FY 80	\$232,000	
FY 79	500,000	
FY 77	10,000	
FY 77	446,000	
FY 76	2,500,000	
	\$3,738,000	\$3,738,000

Study of Nitrate Percolation  
(625-0618)

FY 76	\$993,508.00	
FY 77	56,352.40	
	\$1,055,410.40	\$1,055,410.40

Organization, Manpower and Training  
(625-0619)

FY 76	\$7,815.08	
FY 76	\$60,000.00	
	\$67,815.08	\$67,815.08

Rural Survey & Mapping  
(625-0621)

FY 76	1,200,000	
FY 77	4,700,000	
FY 79	125,000	
FY 80	2,993,000	
FY 81	750,000	
FY 81	864,000	
	\$10,332,000	\$10,332,000

Fiscal Allocation

GRAND TOTAL	\$17,306,225.48
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OMVS - Chronology of U.S. Involvement

- 1963 "Comite Inter-Etats pour L'Amenagement du Basin Fleuve Senegal" established by Guinea, Mali, Mauritania and Senegal for general development of Senegal River Basin. Evolved into OERS (Organisation des Etats Riverain du Fleuve Senegal).
- 1970 OERS Council of Ministers agreed first step in Integrated Basin Development would be establishment of regulated river annual flow of 300 ms.
- 1971 AID grant of \$850,000 (Proj 625-602) as "Support to Regional Organizations - OERS" provides for service of three U.S. contract technicians to OERS through FY 1977 as well as funds to respond to other requests for assistance from Regional West/Central African areas. U.S. provided services of several consultants to OMVS in hydrology (Riley) International Law (Purney) and agricultural planning (Kulp) to OMVS.
- 1971 With withdrawal of Guinea, OERS became OMVS (Organisation pour La Mise en Valeur du Fleuve Senegal).
- July 1972 OMVS Council of Ministers reconfirmed that first state of Basin development regulated river flow with major projects to be the Manantali Dam, Diama Dam, ports at St. Louis and Kayes and improvement of ports of call along river.
- Jan 1973 OMVS Council of Ministers approved principal of mid-term program of action for integrated Basin Development. Established national coordinating committees, decided to convene prospective donors meetings. In preparation, began synthesis (Beyard report), with UNDP financing, of the \$10 million worth of already written basin studies and reports. Synthesis to establish sequential order of priorities and serve as analytical base for Indicative Development Plan of Senegal River. Report, "The Objectives and Main Outline of the Integrated Development," completed just prior to July 1974 Nouakchott Donors meeting.
- July 1974 1st OMVS Donors Conference - Nouakchott - discussion of mid-term projects (including 2 dams). \$160 million in pledges received. U.S. represented by AA/AFR Sam Adams. Statement indicated willingness to undertake activities in which U.S. had a unique technical competence (i.e. from Burec, Army Corps of Engineers or private sector). Specific possibilities for assistance included environmental assessment, assistance to OMVS Secretariat (organization, management and training), agronomic research, alternative irrigation methods and river basin planning).
- Comment FY 1977 OMVS ABS (July 75) "Throughout the U.S. Delegate's presentation and subsequent commentary on other issues, the primary interest of the USG in food production in the basin was underlined. It was made clear that the USG would not seek to participate in any of the major mainstream infrastructure projects."
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Fall 1974 AID/W - position of OMVS Coordinator established within AFR/CWR to provide liason with OMVS and other donors and design projects in which AID has interest.

Feb 1975 Management and training advisory team (Stevens, Thompson and Runyan, Inc.) study on proposed AID assistance in operations and management of OMVS Secretariat.

Feb 1975 PID Team to investigate participation in irrigated food production project (Matam perimeter). Prepared scope of work for in-depth investigation. Project could be basis for \$15-20 million loan. AID would consider participation with one or several other donors.

March 1975 Multi-sector team sent to field to draft TOR for environmental assessment of basin.

March 1975 DAP - Strong U.S. interest in supplementary investments to basic infrastructure of OMVS, enabling infrastructure to be effective. U.S. not likely to participate directly in dam financing nor to large degree in navigation infrastructures. U.S. aid to be in four areas of special U.S. expertise and interest (OMVS organization and management, training for personnel of OMVS and member states, environmental safeguards, agricultural research and development). U.S. investment in these and other activities might total \$50 million.

1975 BuRec continuing analysis of Beyrard synthesis (\$100,000) - PASA funding.

June 1975 Grant Agreement signed for Agronomic Research (625-616) for \$960,000.

July 1975 ABS (1977) recommends \$5 million in grants and \$20 million in loans for FY 1976, and \$1.3 million in grants and \$15 million in loans in FY 1977.

July 16 1975 Approval by AID Deputy Administrator of basic direction of AID participation in development of Senegal River Basin - memorandum noted that AID now investigating possibility of participating in development of system of irrigated perimeters (i.e. Matam). Possibility of participating in FY 1976 \$15-20 million loan. Thinking in terms of \$25 million program in 1975-76 and up to 30 contract technicians in 4 projects (Environmental Assessment, Study of Matam, OMVS Secretariat Management, Agronomic Research). Approved ceilings for OMVS positions in field and AID/W.

Aug. 1975 Position of OMVS Coordinator established in Dakar. Office eventually included Coordinator, Program Officer, Ass't Program Officer and Engineer.

Oct 1975 Draft statement for Stanley Scott, AA/AFR, at 2nd Donor Conference (scheduled October 16-17 but postponed). U.S. has prepared aid program totalling over \$40 million to be made available over next 20 months. In keeping with the directives of the U.S. Congress, the proposed assistance will focus primarily on the agricultural health, environmental and sociological aspects of the development plan.

- 1976 Grant Agreement for OMVS Environmental Assessment Project (625-0617) - \$2,500,000.
- June 14-15 1976 OMVS 2nd Donors Conference (Dakar). Stanley Scott (AA/AFR) reiterated U.S. interest. Noted initiative taken with U.S. Congress to have foreign assistance legislation interpreted to allow AID participation in all sectors related to improvement of agricultural activity. Said AID would explore means of assisting in institutional development of OMVS and member country agency. Would consider assistance in water rights and contribution to 'Common Fund' to be used to support operational costs now borne by member states.
- June 1976 FY 78 ABS - Revision of DAP pertaining to Senegal River Basin - Noted initiatives with Congress to allow participation in basic infrastructure on which food production totally dependent (would include Manantali Dam). U.S. inputs to OMVS over five years could exceed \$200 million if AID allowed to participate in basic infrastructure projects. AID should be prepared to play catalytic role in addressing need of increased administrative costs. Expectation of \$20 million loan for Matam. Noted studies expected to result from BuRec investigations (i.e. survey and mapping, hydro-geological etc.).
- Aug 1976 Grant Agreement for Senegal River Basin Survey and Mapping Project (625-926) \$1,200,000.
- Aug 1976 AID Contract with Utah State (IQC - Work Order 10) for team (led by Paul Riley) for Fiscal Allocation study of proposed OMVS program - \$99,834 (initial funding). Investigation period - September 1976-July 77. Final report - August 1978.
- June 1977 ABS (FY 1979) - Negative on major infrastructure financing. AID OMVS program on two fronts (a) active support to strengthen OMVS planning management competence (b) promotion of associated development activities in overall basin area or with member government agencies. Noted that Matam not financed in FY 77 - dispute with GOS over type and use of irrigation. Possibility of \$16 million loan in FY 79 following pilot FY 78 sprinkler project.
- June 30 1977 Grant agreements for additional funding for Agronomic Research (\$300,000) and Environmental Assessment (\$446,000).
- July 1977 ABS Review - Conclusion that unless AID able to participate directly in infrastructure, U.S. assistance to OMVS would become progressively less significant. Approved earlier decision that USAID/OMVS mission role be reduced to only regional activities which would be carried out through the OMVS. (OMVS Office thus lost much of its project portfolio). Requested USAID/OMVS to prepare revised strategy paper.
- July 21 1977 AID/GC (S. Tisa) memorandum on River Basin Development Infrastructure Projects under SDP - Concludes that authorizing legislation can be construed as granting authority for U.S. to finance "Fair Share" of SDP-associated infrastructure. But clear that Congress invites "a dialogue" on infrastructure issues.

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Aug 17 1977 Butcher-Booker (Deputy Administrator) memo on Sahel River Basin Development - U.S. should not consider participation in dam financing, but consider providing technical and capital assistance to advance as far as possible development of an irrigation distribution network. 1st step - consider technical assistance required to develop an agriculture and irrigation distribution plan for basin. Idea of U.S. participation of \$30-60 million (1978-82) in support of OMVS program.

Aug 29 1977 Grant agreement for Data and Institutional Development (Basin Survey and Mapping) - 628-0620 - \$7,151,000.

Oct 13 1977 Dakar Cables 6826 and 6827 on OMVS strategy - noted new OMVS developments in obtaining dam funding commitments and new possibilities for AID involvement in support of total resource planning and integrated basin development. Cited options for AID participation from financing significant portion total downstream development costs (capital investment) to supporting bilateral projects to discontinuing support. Concepts paper in process.

Nov 2-4 1977 OMVS Consultative Committee meeting, Dakar (technical level meeting) - Fred Zobrist (DR/ENG), AID/W representative, noted Global Evaluation of OMVS program to be undertaken early in 1978. U.S. offer of assistance on preparation of TOR and carrying out of evaluation.

Feb 22 1978 "U.S. Assistance to the OMVS and the Senegal River Basin" (Concepts Paper - Fourth Draft - Glen Slocum USAID/OMVS) - proposes series of sector interventions (agriculture, transport, environment/health, human resources and minerals) for development of Senegal River Basin.

April 13 1978 Sahel Mission Directors Conference (Bamako) review of Concepts Paper (reviewed in Butcher memo of June 19) - reached a number of policy conclusions; a) infrastructure - such as mainstream infrastructure and major development planning-should primarily support agricultural development, ensure that our contribution would not be counter-productive (i.e., AID regulations negatively affecting other donors) and that level of financing shouldn't inordinately affect overall budget levels. AID should seriously consider contribution to Manatali Dam but await completion of OMVS "Global Study"; b) minerals - AID should not finance minerals exploration; c) project paper teams - decision deferred until Global Study completed. Expectation that AID would field teams to develop separate interventions to be eventually combined in a synthesis paper; d) AID/OMVS office to become division of USAID/Dakar.

May 12 1978 AA/AFR approval of \$87,000 for 2nd phase Fiscal Allocation Study (contract with Riley/Utah signed in August) and \$69,000 for on-farm irrigation study (PASA with USDA).

June 1978 ABS (FY 80) - Noted that "since AID is severely limited in its ability to finance infrastructure projects as such, our own program has been focused on OMVS organizational elements and the kinds of data studies and analytical capacities required to give the organization the competence to carry out its functions." Assuming Congressional approval of support to mainstream infrastructure projects, ABS proposes financial contribution to some aspect of

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mainstream infrastructure beginning in FY 81. This consistent with OMVS primary mandate and proposition that without U.S. support, program won't attract sufficient support from other donors. Recommends \$4 million (LOP) Senegal River Basin Systems Development Project (under which sector teams would develop projects to be synthesized into overall basin development plan).

- June 28 1978 "Results of FY 1980 OMVS ABS Review of June 19, 1978" - Memo to the files by Harold Gray - AID policy to ensure that any assistance to major infrastructure be primarily in support of rural development. Awaiting Global Study before any decision on project design teams.
- July/Aug 1978 Completion of OMVS Global Evaluation, Supplementary Report by Sir Alexander Gibb and Partners and OMVS report on Global Evaluation Study - conclusion that Manatali and Diama Dams were technically and economically feasible. Divergence between 'Evaluation' and 'Report' on scaling down of dams. AID/OMVS comment (Oct. 11) "AID/OMVS believes Global Evaluation has some value as a somewhat independent check on feasibility of the integrated OMVS projects which it tends to confirm."
- Aug 18 1978 Draft TOR for Five Year Program/Senegal River Basin - objectives - analysis of possible alternative downstream development strategies, development (by contractors) of 5-year AID assistance program consisting of national and regional, technical and capital assistance programs and projects. Phase I - assessment of data base and recommendations for U.S. capital assistance (including dams). Phase II - formulation and analysis of alternative downstream development strategies. Phase III - preparation of 5-year AID assistance proposal and final report.
- Aug 28 1978 Slocum (OMVS/Dakar) - Shear letter - Noted general agreement on goal of an integrated approach to river basin development through a comprehensive study of options. Noted administrative problems of AID/OMVS vis-a-vis country USAIDs.
- Aug 29 1978 AID/W review of TOR for 5-year program. Revised version sent to Missions.
- Sept 28 1978 Grant Agreements for Socio Economic Study (monitor changes brought about by introduction of irrigated agriculture) (\$200,000) and Agronomic Research II (628-0605 - provide assistance to three research centers-\$500,000).
- Oct 13 1978 AFR (Gray, F. Johnson, Zobrist, C. Joyce) papers on advantages and disadvantages of AID participation in infrastructure financing.
- Oct 16 1978 Memo re AFR meeting (Butcher) on U.S. position at forthcoming OMVS Consultative Council - Butcher view that if AFR can be satisfied on a number of concerns re OMVS infrastructure plans, would be prepared to make case within AID re changing its policy on major infrastructure investment. Up to now we have suggested alternative forms of participation short of dam financing. First step is to seek change in U.S. policy, not to decide on participation in dam financing.

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Oct 18-19 1978

Second OMVS Consultative Committee meeting (Dakar). Main purpose to review Global Evaluation, establish financing plan for dams and obtain information on financing modalities from donors. U.S., as non-donor to dams, did not play important role. U.S. delegation (including SFWA Director Kelly) noted U.S. had provided \$11 million to OMVS program (mapping and surveying, environmental assessment, agricultural research). Noted growing interest in having main-stream infrastructure financing form part of U.S. assistance program in sub-Saharan Africa. Rationale for greater U.S. involvement in infrastructure financing being prepared for executive and legislative branch review.

Dec 28 1978

Grant Agreement for Agronomic Research - \$373,000.

Jan 15 1979

Dakar Cable on U.S. participation in dam financing - U.S. participation in Manantali financing could be recommended if uncertainties re economic feasibility and financial soundness were removed to extend necessary to satisfy FAA Section 611. U.S. participation in Diama not recommended. Noted that concerted and increased donor effort needed to assure financing of Manantali and simultaneously provide assistance to national development organizations to help assure adequate rate of irrigation development for Manantali to be feasible.

Feb 1 1979

Kelly-Butcher Memorandum - U.S. participation in Infrastructure Development in the OMVS - in preparation for her forthcoming visit to Dakar (meet with OMVS officials). Noted AFR assessment of issues associated with infrastructure financing would not be considered prior to trip. Said AID support to OMVS (\$8.5 million) primarily for studies. Infrastructure support not provided due to restrictions on infrastructure financing and uncertainty over economic and technical feasibility of dams. Funding of infrastructure in Sahel, under certain conditions, permitted under House Appropriations Committee Report.

Recommended position with OMVS officials - We'd like to provide financial support to dams but have to review our Infrastructure policy with Congress and don't want to delay OMVS schedule while we undertake necessary studies. We're ready to accelerate Basin's irrigation potential which in turn will help justify dam construction. In view large number of hectares involved and substantial irrigation requirements, could mean major AID support.

Feb 26 1979

Grant Agreement for Environmental Assessment - \$500,000.

March 1 1979

Grant Agreement for Data and Institutional Development (Basin Survey and Mapping) - \$125,000.

March 12 1979

Official request from OMVS High Commissioner Aw for AID assistance in financing construction.

April 4 1979

Zobrist/Kelly Memorandum on U.S. participation in OMVS Infrastructure - concern on U.S. support of Infrastructure, even on indirect basis. Recommends U.S. identification of specific investment components - including formulation of a downstream irrigation development plan.

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- April 13 1979 Reply to Aw by Mrs. Butcher that request under consideration.
- May 22 1979 Memcon Schoonover/Howe/Slocum discussions with HiCom Aw - Schoonover said AID considering presentation to Congress of loan request of \$15 million toward some aspect of OMVS program.
- May 24 1979 Dakar 3936 - Following USAID/AFR discussions, decision made to explore with OMVS various options for AID participation in infrastructure. Options - upgrading rail line and building a spur to Manantali, equipment for construction, resettlement of those displaced by Manantali, land clearing for Manantali reservoir, river channel navigability and river ports. Recommends 'equipment drop' or Manantali telecommunications. Notes this discussed with Aw and will be further discussed during Schooner visit to AID/W.
- June 1979 OMVS ABS (1981) - recommends (AAPL level) of \$27.6 million (includes \$15 million for equipment for infrastructure, \$2 million for downstream irrigation, funding for hydraulic systems, socio-economic unit, fisheries development and agronomic research).
- July 18 1979 Dakar Cable - after discussions with Aw Mission recommends participation in resettlement. USAID desire to announce at July 23 donors meeting that AID plans to ask Congress for \$15 million for OMVS.
- July 23 1979 Bamako Cable - USAID/Mali recommendation against U.S. funding resettlement. Recommends small-scale downstream projects.
- Oct 16 1979 Cable to Bamako, Dakar, Nouakchott - conclusion that AID support of resettlement program most timely opportunity for AID participation in OMVS program. Notes that AID's intent to participate fully in downstream development program. USAID/Dakar should inform OMVS. Missions should also explore other project options.
- Nov 27-30 1979 OMVS-Donor Meeting (Dakar) - U.S. Representative (Shear) noted recent discussions on most appropriate means for U.S. participation in OMVS mainstream development. Conclusion that support for resettlement program logical and timely. Also U.S. intent to participate fully with other donors in downstream development program with special emphasis on irrigated agriculture. U.S. prepared to examine possibility of assistance for supporting social services and examine needs for transport, storage and marketing in support of agricultural production programs. Believes now propitious to begin an integrated, irrigated agriculture program in the Senegal River Basin which could be one of the cornerstones for Sahel development. USAID prepared to meet with OMVS to see how to best concertize our planning and coordinate it with other donors. U.S. encourages this meeting to agree on a formulation for consultation on agricultural development planning and project implementation in Basin.
- Dec 7 1979 Dakar comments on meeting - notes concern of donors over slow rate of irrigation. For U.S. to exert any kind of leadership in planning of downstream agriculture, a much higher commitment is required (i.e. \$65 million over 6 years), other donors prepared to look to U.S. for leadership in developing conceptual framework and detailed

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integrated planning. Project USAID envisions would include resettlement of Manantali displacees, master plan for basin, study of feasibility of sub-projects, construction and implementation.

- Dec 9 1979      Dama Dam conerstone laid.
- Dec 12 1979      Draft of Shear- AwAide Memoire - outlines OMVS Program for Irrigated Agriculture and Integrated Infrastructure - outlined type of activities likely to be included in project and said could contain funds for irrigation and other projects - including disbursements to SAED, SONADER and OVSTM with OMVS approval. Could lead to development of 30,000 hectares over 6 years.
- Dec 29 1979      USAID discussion of OMVS Integrated Agriculture Project with HiCom Aw. Project described in general detail without indicating amount of possible USAID funding. Aw said believed project would be extremely helpful to OMVS. Stressed value to OMVS of U.S. projects for valorizing more spectacular projects (i.e. dams). Understood why no U.S. financing for dams possible. Aw noted weakest part of OMVS program the slow rate of rural integrated development in basin.
- Jan 1980      Congressional Presentation (FY 81) - Lists OMVS Integrated Development Project (625-0621).
- Jan 30 1980      SWA telcons with Shear on PID - Shear and Rep. Dixon had very encouraging meeting with new OMVS HiComm (M. Ould Haiba). OMVS strongly desires AID move forward with resettlement project and approves efforts to design Integrated Development PID. Upon AID approval, PID will be circulated among donors, and hopefully, will reassure them re value of dams.
- Feb-March 1980      PID Team in field. Included sociologist, agriculturalist, river basin planner, design officer, health, engineering and human resource specialist.
- June 23 1980      Shear meeting with Ibrahima Caba, Director Economic and Technical Division, Ministry of Foreign Affairs, GOS - Caba appealed for direct U.S. financing of dams, said would be great psychological boost for OMVS and other donors. Shear informed Caba of proposed integrated development program. U.S. hopes to contribute \$50-60 million under this program for agricultural valorization of dams. (Total cost of this phase of project \$200 million). Noted USAID had already received support from other donors and that Arab donors have made provision of additional funds for OMVS subject to planning of agricultural programs. Emphasized U.S. involvement with OMVS assured - he has full support of Butcher and Bennet.
- July 8 1980      Final draft of OMVS Integrated Infrastructure PID completed, approved in principle by OMVS Planning Staff, and being cleared by USAIDs. Discussions by Art Fell (U.S. Rep. to Club du Sahel) with OMVS officials. Plan for Club to provide consultant to OMVS to prepare outline of current and proposed donor assistance. OMVS and Club to host technical level OMVS/Donor meeting in September 1980. Could develop overall synthesis document for use at October 1980 OMVS meeting.

- August 29, 1980 Grant Agreement for Socio-economic Survey - \$36,000
- Nov. 25-28, 1980 OMVS Donors' Meeting, Dakar -  
 Cost estimates were revised for both dams to:  
 \$130 million for Diama -  
 \$630 million for Manantali.  
 The donors agreed that 80% of the total financing would have to be secured before the bid on Manantali and the renegotiation of tenders for Diama could proceed and, that 85% of the funds would have to be committed before physical works could begin. Contributions to date came to 70.4% of the \$866 million total which meant that \$255 million remained to be secured and that OMVS was still \$425 million from the 85% threshold.  
 AID stated its intentions to participate in financing of downstream development efforts.
- December 30, 1980 Signing of Grant Agreement for Basin Survey and Mapping - \$750,000
- February 1981 PID for Integrated Development Project approved by Washington.
- March 1981 Completion of the design and elaboration phase of Agronomic Research II by CID (the Consortium for International Development).
- March 1981 Completion of Basin Survey and Mapping Project.
- May 5 - 14, 1981 AID participated in the UR's first interregional meeting of River Lake Organization, Dakar. The purpose was to develop dialogue between the different donor organizations on potential means to promote exchange and to develop mechanisms by which to institutionalize this exchange.
- May 11-15, 1981 10th meeting of the Consultative Committee of OMVS, Paris. The agenda included a report of negotiations with potential contractors for the Diama dam, drafting a contract for Consulting Engineering Services for design, supervision and control of Diama and Manantali, drafting the financing and allocation plans for the dams and scheduling for the renegotiation of financing agreements. USAID pledged support in principle for Manantali population resettlement.
- May 15, 1981 Donors' meeting for Mauritania in Brussels.  
 SONADER requested BEATE/OMVS participation in the Couraye Sector Development in conjunction with the World Bank. ICRD/FAO already in process of doing feasibility study for this region. Discussions focused on SONADER's administrative structure, on the coordination of pump purchases and on the possibility of a unified credit system.
- June 17-18, 1981 Donors' meeting in Paris on Senegalese and Mauritanian perimeters.  
 These meetings helped to narrow down site selection for the immediate production phase of the project as well as establish AID as a major donor in agricultural development in the basin.

- June 27, 1981 Follow-up to June 17 donors' meeting in Saint-Louis with SAREO, GERSAR and AID to discuss the possibility of AID's intervention in the Podor area.
- June 4, 1981 Signing of Grant Agreement for Fiscal Allocation and Responsibility Project between USAID and OMVS for 7566,000.
- June 1981 Termination of the Project Paper Amendment and Budget for the implementation phase of Agronomic Research II by the Consortium for International Development, and USAID/Dakar.
- September 1981 Contracts signed with:
  - Action Programs International for Institutional Analysis.
  - Louis Berger International for Technical Design Services.
  - Gannett-Fleming Corddry & Carpenter for Support Services for the design of the Integrated Development Project.
- October 1981 Contracts signed with:
  - Yale School of Public Health, and
  - Associates for International Resources and Development for the design of the Integrated Development Project.
- November 2, 1981 Commencement of design for Integrated Development Project Paper.
- November 1981 Completion of the Socio-economic Surveys.
- November 1981 Termination of the OMVS Environmental Assessment Project.