

PN-ABA-342

134 57120

---

---

**Publications and  
Audio-Visual Productions**

of the

**Water Management Synthesis Project**

---

---

# Technical Reports

**Irrigation Projects Document Review. WMS Report 1.** P. S. Coolidge *et al.* 1981.

- Appendix A: The Indian Subcontinent
- Appendix B: East Asia
- Appendix C: Near East and Africa
- Appendix D: Central and South America
- Executive Summary

**Irrigation Development Options and Strategies for the '80s. WMS Reports 2-7.** 1981.

- Nepal. WMS Report 2. T. F. Weaver and H. B. Peterson.
- Bangladesh. WMS Report 3. J. Keller *et al.*
- Pakistan. WMS Report 4. J. Keller, A. A. Bishop and T. F. Weaver.
- Thailand. WMS Report 5. J. Keller *et al.*
- India. WMS Report 6. J. Keller.
- General Asian Overview. WMS Report 7. J. Keller.

**Command Area Development Authorities for Improved Water Management. WMS Report 8.** T. K. Jayaraman, M. K. Lowdermilk and W. Clyma. 1982.

**Project Review for Bakel Small Irrigation Perimeters, USAID/ Senegal Project No. 685-0208. WMS Report 9.** J. Keller *et al.* 1982.

**Evaluation Review of the Water Management Project No. 383-0057, USAID/ Sri Lanka. WMS Report 10.** J. Keller *et al.* 1982.

**Irrigation Development Options and Investment Strategies for the '80s - Sri Lanka. WMS Report 11.** G. Levine *et al.* 1982.

**Ecuador Irrigation Sector Review. WMS Report 12.** J. Keller *et al.* 1982.

**Maintenance Plan for the Lam Nam Oon Irrigation System in Northeast Thailand. WMS Report 13.** G.V. Skogerboe, S. Glansatien and S. Sangsuk. 1982.

**Irrigation Development Options and Investment Strategies for the '80s - Peru. WMS Report 14.** J. Keller *et al.* 1984.

**Diagnostic Analysis of Five Deep Tubewell Irrigation Systems in Joydebpur, Bangladesh. WMS Report 15.** L. Karim *et al.* 1983.

**System H of the Mahaweli Development Project, Sri Lanka: 1982 Diagnostic Analysis. WMS Report 16.** J. Alwis *et al.* 1983.

**Diagnostic Analysis of Farm Irrigation Systems on the Gambhiri Irrigation Project, Rajasthan, India: Volumes I-V. WMS Report 17.** W. Clyma *et al.* 1983.

**Diagnostic Analysis of Farm Irrigation in the Mahi-Kadana Irrigation Project, Gujarat, India. WMS Report 18.** T.K. Jayaraman *et al.* 1983.

**The Rajangana Irrigation Scheme, Sri Lanka: 1982 Diagnostic Analysis. WMS Report 19.** J. Alwis *et al.* 1983.

**System H of the Mahaweli Development Project, Sri Lanka: 1983 Diagnostic Analysis. WMS Report 20.** J. Jayewardene and M.K. Kiikelly (eds.). 1983.

---

---

2

---

---

**Evaluation of the Irrigation Component of the Integrated Agricultural Development Project No. 521-0078, Haiti. WMS Report 21. R.K. Stutler *et al.* 1983.**

**Synthesis of Lessons Learned for Rapid Appraisal of Irrigation Strategies. WMS Report 22. N.L. Adams (ed.). 1983.**

**Rapid Mini Appraisal of Irrigation Development Options and Investment Strategies, Tanzania. WMS Report 23. T. Weaver *et al.* 1984.**

**Assessment of Rift Valley Pilot Rice Project and Recommendations for Follow-on Activities, Tanzania. WMS Report 24. J. Keller *et al.* 1984.**

**Interdisciplinary Diagnostic Analysis of and Workplan for Dahod Tank Irrigation Project, Madhya Pradesh, India. WMS Report 25. K.N. Venkatraman *et al.* 1984.**

**Prospects for Small-Scale Irrigation Development in the Sahel. WMS Report 26. J. Moris, D.J. Thom and W. R. Norman. 1984.**

**Improving Policies and Programs for the Development of Small-Scale Irrigation Systems. WMS Report 27. E.W. Coward. 1984.**

**Selected Alternatives for Irrigated Agricultural Development in Azua Valley, Dominican Republic. WMS Report 28. G.V. Skogerboe and D.C. Anderson. 1984.**

**Evaluation of Project No. 519-0184 USAID/El Salvador, Office of Small-Scale Irrigation -- Small Farm Irrigation Systems Project. WMS Report 29. P.W. Van Arsdale *et al.* 1984.**

**Review of Irrigation Facilities, Operation and Maintenance for Jordan Valley Authority, Jordan. WMS Report 30. J. Keller *et al.* 1984.**

**Training Consultancy Report: Irrigation Management and Training Project. WMS Report 31. A.C. Early. 1984.**

**Small-Scale Irrigation Development, Indonesia. WMS Report 32. W.R. Walker and E.W. Coward. 1984.**

**Irrigation Systems Management Project Design Report: Sri Lanka. WMS Report 33. G.V. Skogerboe *et al.* 1984.**

**Community Participation and Local Organization for Small-Scale Irrigation. WMS Report 34. B.D. Lynch. 1984.**

**Irrigation Sector Strategy Review, Main Report. WMS Report 35. J. Keller *et al.* 1985.**

**Irrigation Sector Strategy Review, Appendices, Vol. 1 & 2, India. WMS Report 35. E.H. Sims, D.F. Peterson and S.R. Daines. 1985.**

**Irrigation Sector Assessment, Haiti. WMS Report 36. A.D. LeBaron, R.W. Hill and A.M. Baitikhi. 1985.**

**African Irrigation: An Overview, Main Report, Summary, and Annotated Bibliography. WMS Report 37. J.R. Moris and D.J. Thom. 1985.**

**Diagnostic Analysis of Sirsia Irrigation System, Nepal. WMS Report 38. W. R. Laitos *et al.* 1985.**

---

---

- 
- 
- Small-Scale Irrigation: Design Issues In Government-Assisted Systems.** WMS Report 39. W. Walker and C. Wensley. 1985.
- Watering the Shamba: Current Public and Private Sector Activities for Small-Scale Irrigation Development, Kenya.** WMS Report 40. E.W. Coward *et al.* 1986.
- Strategies for Irrigation Development, Chad.** WMS Report 41. T.F. Weaver *et al.* 1986.
- Strategies for Irrigation Development, Egypt.** WMS Report 42. GOE Ministry of Irrigation. 1986.
- Rapid Appraisal of Nepal Irrigation Systems.** WMS Report 43. W.R. Laitos *et al.* 1986.
- Direction, Inducement and Schemes: Investment Strategies for Small-Scale Irrigation Systems.** WMS Report 44. J.E. Nickum. 1986.
- Post-1987 Strategy for Irrigation, Pakistan.** WMS Report 45. D.F. Peterson. 1986.
- Irrigation Rehab: User's Manual.** WMS Report 46. R. L. Oaks *et al.* 1986.
- The Relay Adapter Card: User's Manual.** WMS Report 47. R.L. Oaks and T.S. Steenhuis. 1986.
- Small-Scale and Smallholder Irrigation in Zimbabwe: Analysis of Opportunities for Improvements.** WMS Report 48. T.H. Podmore, R.J. McComen and A. Hungwe. 1986.
- Design Guidance for Shebelli Water Management Project, Somalia.** WMS Report 49. J. Keller, T.F. Weaver and J.S. Mayo. 1986.
- Farmer Irrigation Participation Project in Lam Chamuak, Thailand: Initiation Report.** WMS Report 50. A.C. Early *et al.* 1987.
- Pre-Feasibility Study of Irrigation Development in Mauritania.** WMS Report 51. D.J. Thom, D.C. Slack and M.B. Lynham. 1985.
- Command Water Management, Punjab: Pre-Rehabilitation Diagnostic Analysis of the Niazbeg Subproject.** WMS Report 52. P. Wattenburger. 1987.
- Pre-Rehabilitation Diagnostic Study of Sehra Irrigation System, Sind, Pakistan.** WMS Report 53. M.I. Haider *et al.* 1987.
- Framework for the Management Plan: Niazbeg Subproject Area.** WMS Report 54. 1987.
- Framework for the Management Plan: Sehra Subproject Area.** WMS Report 55. 1987.
- Review of the Jordan Valley Authority Irrigation Facilities.** WMS Report 56. R. W. Hill and J. Keller. 1987.
- Diagnostic Analysis of Parakrama Samudra Scheme, Sri Lanka: 1985 Yala Discipline Reports.** WMS Report 57. D. A. Fowler and M. K. Kilkelly (eds.). 1987.
- Diagnostic Analysis of Giritala Scheme, Sri Lanka: 1985 Yala Discipline Reports.** WMS Report 58. D. A. Fowler and M. K. Kilkelly (eds.). 1987.
- 
-

---

---

**Diagnostic Analysis of Minneriya Scheme, Sri Lanka: 1986 Yala Discipline Reports. WMS Report 59.** D. A. Fowler and M. K. Kilkelly (eds.). 1987.

**Diagnostic Analysis of Kaudulla Scheme, Sri Lanka: 1986 Yala Discipline Reports. WMS Report 60.** D. A. Fowler and M. K. Kilkelly (eds.). 1987.

**Diagnostic Analysis of Four Irrigation Schemes in Polonnaruwa District, Sri Lanka: Interdisciplinary Analysis. WMS Report 61.** D. A. Fowler and M. K. Kilkelly (eds.). 1988.

**Workshops for Developing Policy and Strategy for Nationwide Irrigation and Management Training, USAID/India. WMS Report 62.** M. N. Venkatesan, D. F. Peterson and M. K. Lowdermilk. 1987.

**Irrigation in Africa: Forum on Irrigation Systems and Research Applications. WMS Report 63.** B. D. Lynch (ed.).

**Irrigation Rehab: Africa. User's Manual. WMS Report 64.** R. Johnson *et al.* 1987.

**Revised Management Plan for the Warsak Lift Canal, Command Water Management Project, Northwest Frontier Province, Pakistan. WMS Report 65.** 1988.

**Small-Scale Irrigation -- A Foundation for Rural Growth in Zimbabwe. WMS Report 66.** Zimbabwe Joint Workshop Team. 1988.

**Variations in Irrigation Management Intensity: Farmer-Managed Hill Irrigation Systems in Nepal. WMS Report 67.** E. Martin *et al.* 1987.

**Experience with Small-Scale Sprinkler System Development in Guatemala: An Evaluation of Program Benefits. WMS Report 68.** A. D. LeBaron *et al.* 1987.

**Linking Main and Farm Systems in Order to Control Water, Volumes 1-5. WMS Report 69.** 1988.

**Integrating Strategies for Improving Irrigation System Design and Management. WMS Report 70.** W. R. Walker. 1988.

**The USU Unit Command Area Model. WMS Report 71.** A. A. Keller. 1987.

**Development of a Branching Canal Network Hydraulic Model. WMS Report 72.** F. N. Gichuki. 1988.

**User's Manual for the FORTRAN Version of the USU Main System Hydraulic Model. WMS Report 73.** F. N. Gichuki. 1988.

**Hydraulic Modeling Applications in Main System Management. WMS Report 74.** G. P. Merkley. 1988.

**User's Manual for the Pascal Version of the USU Main System Hydraulic Model. WMS Report 75.** G. P. Merkley. 1987.

**Formulation and Evaluation of the USU Main System Allocation Model. WMS Report 76.** H. Eisele. 1988.

**Irrigated Land Use and Irrigation Distribution Systems for Four Schemes in the Polonnaruwa District of Sri Lanka. WMS Report 77.** T. C. Martin. 1988.

**Operational Typologies for Gravity Irrigation Systems. WMS Report 78.** R. Steiner and M. Walter. 1988.

---

---

- 
- 
- Development and Management of Small Marais.** WMS Report 79. R. Sikkens *et al.* 1988.
- Baskets of Stones: Government Assistance and Development of Local Irrigation in a District of Northern Sumatra.** WMS Report 80. E. W. Coward. 1988.
- Implementing the Irrigation Maintenance and Operations (M&O) Learning Process Regionally or Nationally.** WMS Report 81. G. V. Skogerboe. 1988.
- Handbook of Improved Irrigation Project Operations Practices for the Kingdom of Thailand.** WMS Report 82. G. V. Skogerboe, K. Kawsard and N. Reansuwong. 1988.
- Handbook of Improved Irrigation Project Maintenance Practices for the Kingdom of Thailand.** WMS Report 83. G. V. Skogerboe and W. Smithimadhindra. 1988.
- USU Irrigation Main System Hydraulic Model: Replication of Modelling Capability in Other Countries.** WMS Report 84. G. P. Merkle *et al.* 1988.
- Development of the Centre International de l'Irrigation.** WMS Report 85. M. Ait-Kadi, J. Keller and G. V. Skogerboe. 1988.
- Forum on the Performance of Irrigated Agriculture in Africa: Papers and Proceedings.** WMS Report 86. D. Thom (ed.). 1988.
- Niger Irrigation Scheme Case Studies.** WMS Report 87. J. Keller *et al.* 1988.
- Irrigation Management for Development.** WMS Report 88. J. Keller *et al.* 1988.
- Bureaucratic and Farmer Participation in Irrigation Development.** WMS Report 89. M. Lusk and B. Parlin. 1988.
- Irrigation System Management: An Interdisciplinary Synthesis of Water Management Studies.** WMS Report 90. J. Keller *et al.* 1988.
- Assessment Report: Maharashtra Irrigation Program.** WMS Report 91. N. S. Peabody *et al.* 1988.
- Irrigation System Operation Intensity and Relative Water Supply: The Asian Case.** WMS Report 92. T. B. Moya and M. F. Walter. 1988.
- Methodologies for Interdisciplinary Diagnosis of Irrigation Systems.** WMS Report 93. R. Oud, P. G. McCormick and W. Clyma. 1988.
- Management-Focused Improvement of Irrigated Agriculture.** WMS Report 94. P. Wattenburger. 1988.
- Improving the Management of Irrigated Agriculture: A Methodology for Diagnostic Analysis.** WMS Report 95. W. Clyma and M. K. Lowdermilk. 1988.
- 
- 

## **Professional Papers**

- Improving Policies and Programs for Farmer Organization and Participation in Irrigation Water Management.** WMS Professional Paper 1. N. Uphoff, R. Meinzen-Dick and N. St. Julien. 1985.
- Designing Projects for Irrigation Developments Using External Consultants.** WMS Professional Paper 2. E. W. Coward. 1987.
- Improving the Management of Irrigated Agriculture: The Management Training and Planning Program for Command Water Management, Pakistan.** WMS Professional Paper 3. A. L. Jones and W. Clyma. 1988.
- Irrigation Project Water Management.** WMS Professional Paper 4. J. Keller. 1987.
- 
-

---

---

# Special Reports

- Diagnostic Analysis Workshop.** D.L. Lattimore and L.J. Nelson. 1983.
- Proposed Activities for Developing an Integrated Strategy for Improving Irrigated Agriculture in Northeast Thailand.** W.R. Walker *et al.* 1983.
- Rice Irrigation Water Management.** R.N. Oad and D.A. Fowler. 1983.
- Women's Roles in Irrigated Agriculture: 1984 Diagnostic Analysis Workshop, Dahod Tank Irrigation Project, Madhya Pradesh, India.** P. Stansbury. 1984.
- African Irrigation Overview: The Soils Aspect.** T.E. Flack and T.H. Podmore. 1985.
- Economic Policy Toward Irrigation in Sub-Saharan Africa.** E. Sparling. 1985.
- Computer Simulation Model for Designing and Evaluating Irrigation Canal Networks.** D. Molden. 1985.
- Thailand Irrigation Organization Project: Workplan and Proposals.** A. C. Early *et al.* 1985.
- Training Trainers: A Workshop Report.** W. R. Laitos *et al.* 1985.
- Training Strategies for International Participants: A Workshop Report.** A. G. Madsen and L. M. Madsen. 1985.
- Microcomputer Programs for Irrigation Data Management: User's Manual.** T. S. Sheng, D. J. Molden and D. A. Fowler. 1986.
- Reconnaissance of Irrigation Systems in Nepal: A Precursor to the 1985-86 Rapid Appraisal Studies.** W. R. Laitos *et al.* 1986.
- Review of Jordan Valley Authority Irrigation Facilities.** R. W. Hill and J. Keller. 1987.
- Diagnostic Analysis of Lasbela Subproject, Hub, Pakistan.** A. R. G. Baluch *et al.* 1987.
- International Conference on Irrigation System Rehabilitation and Betterment, Vol. 1: Proceedings.** M. I. Haider. 1987.
- International Conference on Irrigation System Rehabilitation and Betterment, Vol. 2: Papers.** D. A. Fowler (ed.). 1987.
- Proceedings of the Review and Planning Workshop for the Thailand Irrigation Organization Project.** W. R. Laitos, K. Paranakian and A. C. Early. 1987.
- A Short History of the Farmer Irrigation Participation Project in Thailand.** W. R. Laitos, K. Paranakian and A. C. Early. 1987.
- Diagnostic Analysis of the Warsak Lift Canal, Subproject Area, Northwest Frontier Province, Pakistan.** R. L. Tinsley and P. L. Wattenburger. 1987.
- Draft Management Plan for Command Water Management, Lasbela Subproject Area, Hubchowki, Baluchistan.** 1987.
- Irrigation Technology Adjustment Project for Tunisia.** J. Keller and T. Weaver. 1987.
- Rwanda Small Marais Development Study: Investigations into the Agronomy of Two Small Marais -- Nyarutovu and Lubunga.** M. Lefrancois and J. Duxbury.
- 
-

---

---

**Evaluations and Improvement of Irrigation System Management Performance.** N. St. Julien and M. Walter. 1988.

**Niger: Traditional and Developed Small-Scale Irrigation.** W. R. Norman. 1988.

**Summary: Forum on Performance of Irrigated Agriculture in Africa.** D. Lattimore (ed.). 1988.

### Brochures

**Diagnostic Analysis Workshop Videotapes**

**Interdisciplinary Water Management: A Videotape Package**

**Water Management Synthesis Project**

### Handbooks

**Circular Concrete Irrigation Turnout: Design and Construction. Handbook 1.** T. Trout, W. D. Kemper and H. S. Hasan. 1982.

**Farm Irrigation Structures. Handbook 2.** A. R. Robinson. 1983.

**Pumps and Water Lifters for Irrigation. Handbook 3.** R. E. Griffin *et al.* 1983.

**Small-Farm, Self-Help Irrigation Projects. Handbook 4.** B. L. Embry and N. L. Adams. 1983.

### Manuais

**Diagnostic Analysis of Irrigation Systems, Volume 1: Concepts & Methodology.** C. A. Podmore (ed.). 1983.

**Diagnostic Analysis of Irrigation Systems. Volume 2: Evaluation Techniques.** C. A. Podmore and D. G. Eynon (eds.). 1983.

**Diagnostic Analysis of Irrigation Systems. Volume 2: Evaluation Techniques. Second Edition.** D. Fowler (ed.). 1988.

**Diagnostic Analysis of Irrigation Systems: Instructor's Guide.** D. L. Lattimore. 1988.

**Field Study of Level Basin Irrigation: A Manual for Engineers.** T. K. Gates and W. Clyma. 1980. (draft)

**Soil-Water Engineering Field and Laboratory Manual No. 1.** T. Trout, I. G. Garcia-Castillas and W. E. Hart. 1982.

**Water Management on Small Farms: A Training Manual for Farmers in Hill Areas.** L. J. Salazar. 1983.

**Water Management on Small Farms: A Training Manual for Farmers in Hill Areas, Instructor's Guide.** L. J. Salazar. 1983. (See *Slide Shows*.)

### Planning Guides

**Land Levelling, Planning Guide No. 1.** D. L. Lattimore. 1981.

**Farmer Involvement, Planning Guide No. 2.** M. K. Lowdermilk and D. L. Lattimore. 1981.

**Irrigation Pumping, Planning Guide No. 3.** R. E. Griffin and G. H. Hargreaves. 1982.

---

---

---

**Farm Irrigation Structures, Planning Guide No. 4.** A. R. Robinson. 1982.

**Small Farm, Self-Help Irrigation Projects, Planning Guide No. 5.** B. L. Embry and N. L. Adams. 1983.

---

## **Working Papers**

**Institutional Aspects of Water Management in Bangladesh.** H. W. Blair. 1983.

**Report of the Three-Week Study in Bangladesh for the Cornell/USAID WMS II Project.** J. K. Campbell. 1983.

**Minor Irrigation Development in Bangladesh.** M. Hanratty. 1983.

**Consultancy Report: Water Management Systems Design (Bangladesh).** H. R. Khan. 1983.

**Bangladesh: Water Management Systems Project Final Report.** D. H. Murray-Rust. 1983.

**Water Management Systems Project: Interim Report.** D. H. Murray-Rust. 1983.

**Economic Aspects of Minor Pump Irrigation Development in Bangladesh.** L. E. Small. 1983.

**Local Organization for Irrigation in Bangladesh.** S. Turnquist. 1983.

**Salinity Irrigated Agriculture: A Review of French Literature Sources.** J. C. Wells and W. R. Norman. 1984.

**Workshop on Research Priorities for Irrigation Management in Asia.** R. Barker and L. Small. 1985.

**Recurring Cost of Irrigation in Asia: Operation and Maintenance.** K. W. Easter. 1985.

**Gal Oya Water Management Project: Preliminary Report on a Special Study Carried Out in Ampara During Yala 1984.** O. Zolezzi. 1985.

**Small-Scale Irrigation Technical Assistance in Indonesia: Sulawesi Selatan, Nusa Tenggara Barat, Nusa Tenggara Timur.** J. Brewer. 1986.

**Social and Economic Influences on Perimeter Management and Operation: Findings from Research in the Maggia Valley, Niger.** L. Goldring. 1986.

**The Importance of Land Tenure in the Distribution of Benefits for Irrigation Development Projects: Findings from the Cayes Plan, Haiti.** L. Reynolds. 1986.

**Getting the Process Right: Farmer Organization and Participation in Irrigation Water Management.** N. Uphoff. 1986. (Currently available as *Improving International Irrigation Management with Farmer Participation. Studies in Water Policy and Management, No. 11.* Westview Press, Boulder, CO.)

**Labor Demand and Employment Generation in Irrigation Systems.** R. S. Meinzen-Dick. 1987.

**Local Resource Mobilization and Peruvian Government Intervention in Small Highland Irrigation Systems.** B. D. Lynch. 1988.

---

---

---

**Local Resource Mobilization and Government Intervention in Hill Systems in Nepal.** U. Pradhan. 1988.

**Improving Performance of Irrigation Bureaucracies: Suggestions for Systematic Analysis and Agency Recommendations.** N. Uphoff with P. Ramamurthy and R. Steiner. 1988.

**Other Channels.** E. W. Coward *et al.* 1988.

---

## Videotapes/Slides

### Slide Shows

**Farmer Organization in Minipe, Sri Lanka.** Nine-minute slide-tape indicating the success of one irrigation scheme's farmer organization.

**Diagnostic Analysis Workshop.** Eleven-minute slide-tape about the five-week workshop that the Project has presented in several countries.

**Water Management on Small Farms: Training for Farmers in Hill Areas.** A series of five slide-tapes that explain water management for farmers in hill areas: a companion to *Water Management on Small Farms: A Training Manual for Farmers in Hill Areas*.

**Plant-Nutrient Deficiencies.** Discusses major nutrient deficiencies and their symptoms.

**Sprinkle Irrigation -- An Overview.** A 25-minute program introducing the different methods of sprinkle irrigation.

**Irrigation in Somalia: Pragmatic Rehabilitation Along the Shabelle River.** A 26-minute documentary.

**Niger Irrigation Schemes Case Study.** Documentary.

### Videotape Guides

**Diagnosing Problems with Irrigation Conveyance Channels.** T. Trout. 1982.

**Irrigation Training Modules Videotape Guide.**

### Videotapes

**Measuring Conveyance Losses in Watercourses.** T. Trout. Series of tapes discuss how to measure and evaluate water losses. (See *Videotape Guides*)

**Farmer Involvement.** Investigates the need and benefits of involving farmers in all phases of the development process.

**Diagnostic Analysis Workshop.** Shows the process used in the five-week project workshop.

**Research-Development Process.** Discussion of the development model used by Water Management Synthesis II Project.

**Diagnostic Analysis Process.** Outlines the first phase of the development model. This phase is divided into reconnaissance and detailed studies. Flow charts describe the sequence of activities.

**Pakistan: Investments in Water Management.** Discusses the Pakistan Project with slide show of the the project included on the tape.

---

---

---

---

**Diagnostic Analysis In Gujarat, India.** Examines training program in Gujarat, India.

**Diagnostic Analysis In Sri Lanka.** An overview of the diagnostic analysis workshop conducted in Sri Lanka in July 1983.

**The Minipe Project.** Looks at how a group of religious leaders organized farmer groups in Minipe, Sri Lanka.

**The Agronomy Series.** Three tapes that examine soil moisture measurements, salt-affected soils, and plant/soil/water relationships.

**The Role of Economics In Diagnostic Analysis.** Discusses the major economic considerations in the diagnostic analysis of a system.

**Diagnostic Analysis Phase I.** Opportunity cost concept.

**Diagnostic Analysis Phase II.** Capitalization, discounting.

**Farmer Organization.** Describes the necessity of organizing farmers into groups for more efficient water management.

**The Social Organization of Irrigation.** Discusses social processes involved in an irrigation system.

**The Role of Women In Development.** Examines the WID component in understanding the role of women in an irrigation system.

**Exercises In Vision.** Examines the India Training Program and the diagnostic analysis of an irrigation site near Fort Collins, Colorado by 19 Indian participants.

**Nepal: Sirsia Irrigation System.** A case study.

**Pakistan: Niazbeg Irrigation System.** A case study.

**Zimbabwe Joint Field Workshop.** Summary of the workshop.

**Irrigation Training Modules.** A series of 40 programs in English and Spanish designed to introduce basic irrigation concepts to agricultural technicians. The series is divided into four units: Soil-Water-Weather-Plants-Fertility-Relationships, Irrigation Techniques, Evaluating the Economy of Water Use, and Management to Improve Agricultural Performance.

**Computerized Irrigation System Management.** A series of six programs that document Utah State University's development and use of computer models to assist in the operation and management of irrigation systems.

### **How to Obtain Water Management Synthesis Publications**

Order documents from the following address:

User Services  
AID Document and Information Handling Facility  
7222 47th Street  
Chevy Chase, MD 20815  
Telephone: 301-951-7191

Paper copies are \$0.13/page; microfiche are \$1.08 each (105 mm x 148 mm, 98 frames/microfiche, 24x reduction). Do not send payment with your order; you will be billed.

---

---

---

---

This brochure was prepared by the Water Management Synthesis II Project in cooperation with the United States Agency for International Development and the Consortium for International Development, Contract DAN-4127-C-00-2086-00. Limited copies of materials listed in this brochure are available at cost for a time from the managing universities:

Colorado State University  
Water Management Synthesis Project  
University Services Center  
Fort Collins, CO 80523

Cornell University  
Water Management Synthesis Project  
Rural Sociology, Warren Hall  
Ithaca, NY 14853

Utah State University  
Water Management Synthesis Project  
Dept. of Agricultural & Irrigation Engineering  
Logan, UT 84322

