

IWMI Research Reports

1. **Elkaduwa, W. K. B.; Sakthivadivel, R. 1999.** Use of historical data as a decision support tool in watershed management: A case study of the Upper Nilwala Basin in Sri Lanka. Colombo, Sri Lanka: IWMI. vi, 31p. (IIMI research report 26)
2. **Bastiaanssen, W. G. M.; Molden, D. J.; Thiruvengadachari, S.; Smit, A. A. M. F. R.; Mutuwatte, L.; Jayasinghe, G. 1999.** Remote sensing and hydrologic models for performance assessment in Sirsa Irrigation Circle, India. Colombo, Sri Lanka: IWMI. v, 29p. (IWMI research report 27)
3. **Sakthivadivel, R.; Thiruvengadachari, S.; Amerasinghe, U.; Bastiaanssen, W. G. M.; Molden, D. 1999.** Performance evaluation of the Bhakra Irrigation System, India, using remote sensing and GIS techniques. Colombo, Sri Lanka: IWMI. v, 22p. (IIMI research report 28)
4. **Renault, D.; Godaliyadda, G. G. A. 1999.** Generic typology for irrigation systems operation. Colombo, Sri Lanka: IWMI. v, 22p. (IIMI research report 29)
5. **Prathapar, S. A.; Qureshi, A. S. 1999.** Mechanically reclaiming abandoned saline soils: A numerical evaluation. Colombo, Sri Lanka: IWMI. v, 20p. (IIMI research report 30)
6. **Bastidas, E. P. 1999.** Gender issues and women's participation in irrigated agriculture: The case of two private irrigation canals in Carchi, Ecuador. Colombo, Sri Lanka: IWMI. v, 21p. (IWMI research report 31)
7. **Amarasinghe, U. A.; Mutuwatta, L.; Sakthivadivel, R. 1999.** Water scarcity variations within a country: A case study of Sri Lanka. Colombo, Sri Lanka: IWMI. vi, 28p. (IWMI research report 32)
8. **Sakthivadivel, R.; Thiruvengadachari, S.; Amarasinghe, U. A. 1999.** Modernization using the structured system design of the Bhadra Reservoir Project, India: An intervention analysis. Colombo, Sri Lanka: IWMI. v, 24p. (IWMI research report 33)
9. **Samad, M.; Vermillion, D. 1999.** Assessment of participatory management of irrigation schemes in Sri Lanka: Partial reforms, partial benefits. Colombo, Sri Lanka: IWMI. v, 31p. (IWMI research report 34)
10. **Renault, D.; Makin, I. W. 1998; 1999.** Modernizing irrigation operations: Spatially differentiated resource allocations. Colombo, Sri Lanka. 21p. (IWMI research report 35)
11. **Bandaragoda, D. J. 1999.** Institutional change and shared management of water resources in large canal systems: Results of an action research program in Pakistan. Colombo, Sri Lanka: IWMI. v, 33p. (IWMI research report 36)

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1. **McKinney, D. C.; Cai, X.; Rosegrant, M. W.; Ringler, C.; Scott, C. A. 1999.** Modeling water resources management at the basin level: Review and future directions. Colombo, Sri Lanka: IWMI. ix, 59p. (SWIM paper 6)
2. **Oweis, T.; Hachum, A.; Kijne, J. 1999.** Water harvesting and supplemental irrigation for improved water use efficiency in dry areas. Colombo, Sri Lanka: IWMI. vi, 41p. (SWIM paper 7)
3. **Bakker, M.; Barker, R.; Meinzen-Dick, R.; Konradsen, F. (Eds.) 1999.** Multiple uses of water in irrigated areas: A case study from Sri Lanka. Colombo, Sri Lanka: IIMI. vii, 48p. (SWIM paper 8)

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1. **Sotomayor, J.; Kloezeman, W. H.; Garcés-Restrepo, C.; Bastidas, E. 1999.** Manejo del agua en las acequias privadas Garrapatal y el Tambo en la provincia del Carchi, Ecuador. Mexico, D.F., Mexico: IWMI. xv, 60p. (IWMI, Serie Latinoamericana, no.4)
2. **Bos, M. G.; Chambouleyron, J. L. (Eds.) 1999.** Parametros de desempeno de la agricultura de riego de Mendoza, Argentina. Mexico, D.F., Mexico: IIMI. xix, 111p. (IWMI, serie Latinoamericana, no.5)
3. **Levine, G. 1999.** Entendiendo el Comportamiento del Riego: La Disponibilidad Relativa del Agua como Variable Explicativa. Mexico, D.F., Mexico: IWMI. xv, 66p. (IWMI serie Latinoamericana no.6)
4. **Garcés-Restrepo, C.; Guerra-Tovar, J. 1999.** Consideraciones sobre impacto ambiental por efecto de las obras de regadio en el distrito de riego Chancay-Lambayaque, Perú. México, D.F., Mexico: IWMI. Mexico Program. xviii, 66p. (IWMI, serie Latinoamericana, no.7)
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7. **Hernandez, M. F.; Alhers, R. 1999.** Naturaleza y extensión del mercado del agua en el D.R.017 de la Comarca Lagunera, Mexico. México, D.F., Mexico: IWMI. Mexico Program. xv, 63p. (IWMI, serie Latinoamericana, no.10)
8. **Levine, G.; Garcés-Restrepo, C. 1999.** El desempeño de los sistemas de riego y sus implicaciones para la agricultura Mexicana. [Irrigation systems performance and its implications for Mexico's agriculture] Mexico City, DF, Mexico: IIMI. Mexico Program. xvii, 37p. (IWMI Serie Latinoamericana no.11)

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1. **Aslam, M.; Hamid, A.; Hussain, A.; Tabassam, M. 1999.** Soil salinity-sodicity and land use suitability in the Fordwah Eastern Sadiqia (South) irrigated area. Lahore, Pakistan: IWMI. Pakistan National Programme. viii, 50p. (IIMI-Pakistan research report no.R-81)
2. **Alberts, J.; Kalwij, I. M. 1999.** Disseminating the bed-and-furrow irrigation method for cotton cultivation in Bahadurwah Minor. Lahore, Pakistan: IWMI. Pakistan National Program. xii, 86p. (IIMI-Pakistan research report no.R-82)
3. **Bhatti, M. A.; Cheema, M. A.; Skogerboe, G. V. 1999.** Maintenance and operational activities in the command areas of Shahpur and Mirwal small dams. Lahore, Pakistan: IIMI. Pakistan National Programme. vii, 92p. (IIMI-Pakistan research report no.R-78)
4. **Habib, Z.; Shah, S. K.; Ullah, M. K.; Vabre, A.; Mobin-ud-Din Ahmed; Sophyani, A. 1999.** Hydraulic simulations to evaluate and predict design and operation of the Chashma Right Bank Canal. Lahore, Pakistan: IWMI. Pakistan National Programme. xii, 124p. (IIMI-Pakistan research report no.R-79)
5. **Starkloff, R.; Bandaragoda, D. J.; Cheema, M. A.; Bhatti, M. A. 1999.** Social organization for improved system management and sustainable irrigated agriculture in small dams: An action research program – Final report. Lahore, Pakistan: IWMI. Pakistan Program. X, 57p. (IIMI-Pakistan report no.R-80)
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9. **Alexandridis, T.; Asif, S.; Ali, S. 1999.** Water performance indicators using satellite imagery for the Fordwah Eastern Sadiqia (South) Irrigation and Drainage Project. Lahore, Pakistan: IWMI. Pakistan Programme. vi, 16p. (IIMI-Pakistan research report no.R-87)
10. **Khan, A. H.; Vehmeyer, P. W.; Reichert, A. P.; Kalwij, I. M.; Lashari, B.; Skogerboe, G. V. 1999.** Water supply and water balance studies for the Fordwah Eastern Sadiqia (South) Project Area. Lahore, Pakistan: IWMI. Pakistan National Program. ix, 84p. (IIMI-Pakistan research report no.R-88)
11. **Starkloff, R.; Waheed-uz-Zaman. 1999.** Farmers' participation, empowerment and the institutional reform of Pakistan's irrigation and drainage sector: Key concepts and farmers' perceptions. Lahore, Pakistan: IIMI. Pakistan National Program. vi, 83p. (IIMI Pakistan ,

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12. **Skogerboe, G. V.; Saeed-ur-Rehman; Aslam, M.; Reichert, A. P. 1999.** Analysis of water and salinity management alternatives for increasing agricultural production in the Fordwah Eastern Sadiqia (South) Irrigation and Drainage Project. Lahore, Pakistan: IWMI. Pakistan National Program. vi, 58p. (IIMI Pakistan report no.R-90)
 13. **Munir, S.; Kalwij, I. M.; Brouwer, M. 1999.** Assessment of water distribution at wattercourse and minor level of Bahadurwah Minor. Lahore, Pakistan: IIMI. Pakistan National Program. ix, 57p. (IIMI-Pakistan research report no.R-91)
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1. **Pardeller, L.; de Lange, M.; Magadlela, D.; Smal, S.; Sugrue, A.; Stimie, C.; van Koppen, B. 1999.** Rural women's association: An assessment of the success factors and sustainability. Colombo, Sri Lanka: IWMI. iii, 45p. (South Africa working paper no.1)
2. **Lahiff, E. P. 1999.** Land tenure on the Arable-Olfants Irrigation Scheme. Colombo, Sri Lanka: IWMI. viii, 51p. (South Africa working paper no.2)
3. **Small, H. S.; Stimie, C. M. 1999.** An investigation into water use at the Arable-Olfants Irrigation Scheme. Colombo, Sri Lanka: IWMI. iii, 41p. (South Africa working paper no.4)

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1. **Amerasinghe, P. H.; Amerasinghe, F. P.; Konradsen, F.; Fonseka, K. T.; Wirtz, R. A. 1999.** Malaria vectors in a traditional dry zone village in Sri Lanka. *American Journal of Tropical Medicine and Hygiene*, 60(3):421-429.

2. **Bastiaanssen, W. G. M.; Bos, M. G. 1999.** Irrigation performance indicators based on remotely sensed data: A review of literature. *Irrigation and Drainage Systems*, 13(4):291-311.
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4. **Brewer, J. D.; Sakthivadivel, R. 1999.** Maintenance management process. *Irrigation and Drainage Systems*, 13(3):207-227.
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6. **de Voogt, K.; Kite, G. W.; Droogers, P.; Murray-Rust, H. 1999.** Modelling water allocation between a wetland and irrigated agriculture in the Gediz Basin, Turkey. *Water Resources Development*, (IWMI working paper)
7. **Droogers, P.; Kite, G. 1999.** Water productivity from integrated basin modeling. *Irrigation and Drainage Systems*, 13(3):275-290.
8. **Godaliyadda, G. G. A.; Renault, D.; Hemakumara, H. M.; Makin, I. W. 1999.** Strategies to improve manual operation of irrigation systems in Sri Lanka. *Irrigation and Drainage Systems*, 13(1):33-54.
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16. **Shah, T. 1999; 2000.** Launching knowledge institutions of excellence: Learning from 50 years of Indian experience in institution building. Anand, India: Policy School. 45p. (Policy School working paper 8)
17. **Shah, T. 1999.** Water sector initiatives that India needs in the new millennium. Anand, India: Policy School. 29p. (Policy School working paper 11)
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