

CONFERENCE PROCEEDINGS, LBNL REPORTS, ABSTRACTS AND POSTERS

1. Quinn, N.W.T. 2007. Hydrogeologic Assessment of the Pixley National Wildlife Refuge. LBNL-63498. October 1, 2007.
2. Quinn, N.W.T. 2007, K.N. Poole and T.J. Lundquist. Impacts of Delayed Drawdown on Aquatic Biota and Water Quality in Seasonal Wetlands. Annual Report to the Water Resources Center, University of California, Riverside, Salinity Drainage Program.
3. Quinn N.W.T..2007. An environmental monitoring data management system for providing stakeholder assurances toward meeting contaminant mass loading policy objectives. Proceedings of the International Symposium of Environmental Software Systems, Prague, Czechoslovakia. May 22-25, 2007. <http://www.issess.org/papers.asp?year=2007>
4. Brunell, M., G. M. Litton, and N. W. T. Quinn. 2007. Zooplankton abundance and diversity in the lower San Joaquin River above the Stockton Deep Water Ship Channel (San Joaquin Co., California, U.S.A.). To be presented 9 Aug 2007 at the Ecological Society of America/Society for Ecological Restoration International Joint Meeting in San Jose, CA. Abstract accepted.
5. Quinn, N.W.T, J.C. Linneman and K.K. Tanji. 2006. The San Joaquin Valley Westside Perspective. World Environmental and Water Resources Congress 2006. ASCE EWRI. <http://gear.asce.org/paper/converted/40856/40856-14247.pdf>. LBN -60613. May 22, 2006.
6. Quinn, N.W.T and T.J. Lundquist. 2006. Managing Water Quality in the San Joaquin River Basin. Science and Stewardship. Proceedings, State of the San Francisco Bay-Delta Estuary 2006. San Francisco Estuary Project and CALFED.
7. Quinn N.W.T 2006. Bottom-up, decision support system development : a wetland salinity management application in California's San Joaquin Valley. Summit on Environmental Modeling and Software 3rd Biennial meeting of the International Environmental Modelling and Software Society, Burlington, Vermont, USA July 9-12, 2006. LBNL-60231
8. Quinn, N.W.T. 2006. Hydrogeologic Assessment of the 4-S Land and Cattle Company Ranch. LBNL- 60011. April 10, 2006.
9. Quinn, N.W.T. 2006. Qualitative Analysis/Discussion of Increased Contractual Deliveries - San Luis Unit LBNL-60612. March 27, 2006.
10. Quinn, N.W.T, J.C. Linneman and K.K. Tanji. 2006. The San Joaquin Valley Westside Perspective. World Environmental and Water Resources Congress 2006. ASCE EWRI. <http://gear.asce.org/paper/converted/40856/40856-14247.pdf>. LBNL-60613. May 22, 2006.
11. Quinn N.W.T. 2005. Position Paper and Abstract. Successes and Failures of Decision Support Systems. International Workshop on Success and Failure of Decision Support Systems for Integrated Water Resource Management. Palazzo Zorzi, Venice, Italy. Oct. 6-7, 2005.
12. Su, G., N.W.T. Quinn, P.J. Cook and W. Ship. 2005. Minaturization of the flowing fluid electric conductivity logging technique. LBNL-59032. October 19, 2005.

13. Quinn, N.W.T and H.V. Graham. Evaluating the Effects of Tailwater Irrigation on Soil Salinity and Discharge Water Quality. Combating Global Soil & Land Degradation IV. Salinization, Sodification and Other Forms of Degradation in Agricultural and Native Ecosystems – Poster. World Congress on Soil Science, Philadelphia, July 10-14, 2006.
14. Lundquist T.J., N.W.T. Quinn, S.E. Borglin, A. Sudame and W.J. Oswald. 2006. Biological treatment of irrigation drainage for selenium removal. Poster Session, Ecology Department External Peer Review. Berkeley National Laboratory. May 11, 2006.
15. Quinn N.W.T. and J.R. Burns. 2006. New tools for ecological impact assessment in managed seasonal wetlands. Poster Session, Ecology Department External Peer Review. Berkeley National Laboratory. May 11, 2006.
16. Quinn N.W.T 2006. Bottom-up, decision support system development : a wetland salinity management application in California's San Joaquin Valley. Summit on Environmental Modeling and Software 3rd Biennial meeting of the International Environmental Modelling and Software Society, Burlington, Vermont, USA July 9-12, 2006.
17. Quinn N.W.T..2006. Innovations and Lessons Learned : Abstract. Real-Time Water Quality Monitoring and Management in Seasonal Wetlands, California Water and Environmental Modeling Forum, Annual Meeting, Pacific Grove. March 1-3, 2005.
18. Quinn N.W.T. 2005. Position Paper and Abstract. International Workshop on Success and Failure of Decision Support Systems for Integrated Water Resource Management. Palazzo Zorzi, Venice, Italy. Oct. 6-7, 2005.
19. Quinn, N.W.T., J.S. Hanlon, J.R. Burns, K.A.K Stromeyer, B.M. Jordan, M.J. Ennis and D.W. Woolington. 2005. Real-Time Water Quality Monitoring and Habitat Assessment in the San Luis National Wildlife Refuge LBNL-58813. August 28, 2005, Berkeley, CA 94720
20. Quinn N.W.T. and T.J. Lundquist. 2005. Abstract. Adaptive Real-Time Management of Water Quality in the San Joaquin River Basin. 7th Biennial State of the San Francisco Estuary Conference. Celebrating Science and Stewardship. Henry J. Kaiser Convention Center, 10 10th Street, Oakland, CA 94607, October 4-6, 2005.
21. Quinn N.W.T. 2005. Abstract. Innovations in GIS-Based Modeling of Groundwater Conjunctive Use and Salinity Management on the West Side of the San Joaquin Basin. 25th Biennial Groundwater Conference and 14th Annual Meeting of the Groundwater Resources Association of California. October 25-26, Sacramento Convention Center, Sacramento, CA
22. Lundquist T.J., N. Abe, J. Davis, F.B. Green, N.W.T. Quinn, G. Sharma, I. Tadesse, and W.J. Oswald. 2005. Effect of Salinity on Agricultural Drainage Biotreatment for Selenium and Nitrate Removal. LBNL-58319. June, 2005, Berkeley, CA 94720
23. Lundquist T.J., J. Davis, F.B. Green, N.W.T. Quinn, G. Sharma, I. Tadesse, and W.J. Oswald. Evaluating the Potential of Drainage Biotreatment through Selenium Speciation and Kinetic Modeling Final Report. LBNL-58167. June 2005, Berkeley, CA 94720

24. Quinn, N.W.T. W.M. Hanna, J.S. Hanlon, J.R. Burns, C.M. Taylor, D. Marciochi, S. Lower, V. Woodruff, D. Wright and T. Poole. 2004. Real-Time Water Quality Management in the Grassland Water District. LBNL-56825. November 15, 2004, Berkeley, CA 94720
25. Quinn, N.W.T and S.A. Feldmann. 2004. Wetland plant guide for assessing habitat impacts of real-time salinity management. LBNL-56668.
26. Quinn, N.W.T. 2004. Concept paper for real-time temperature and water quality management for San Joaquin River riparian habitat restoration. LBNL-56815.
27. Quinn, N.W.T and K.C. Jacobs. 2004. An emergency environmental response system to protect migrating salmon in the lower San Joaquin River. Spring ISESS Conference, May 18-21, 2004, James Madison University, Harrisonburg, Virginia.
28. Quinn, N.W.T, C.W. Chen and W.T. Stringfellow. 2003. A Decision Support System for Real-Time Management of Dissolved Oxygen in the Stockton Deep Water Ship Channel. 9th International Symposium on Environmental Software Systems (ISESS'2003), May 28-June 2. Semmering, Austria.
29. Lundquist, T.J., F.B. Green, N.W.T. Quinn, S.E. Borglin, C. Hsieh, R.Y. Huang, and W.J. Oswald, 2003. The Physical-Chemical Aspects of Biological Drainage Treatment, U.C. Salinity Drainage Meeting Proceedings, March 27, Sacramento.
30. Stringfellow W.T. and N.W.T Quinn. 2003. Source of biochemical oxygen demand in west-side tributaries of the San Joaquin River, California. LBNL-53373.
31. Hanlon J.A., W.T. Stringfellow and N.W.T. Quinn. 2003. Contributing factors in oxygen demand and algal growth in the San Joaquin River from west-side nutrient and organic carbon sources. Poster session – annual review. Lawrence Berkeley National Laboratory.
32. Green F.B., S.E. Borglin, C.H. Hsieh, R.Y.C. Huang, N.W.T. Quinn, A. Sudame, M.G. Takata and W.J. Oswald. 2003. Algal-bacterial selenium removal and biological treatment of irrigation drainage. ESD Science review, Poster Session. Mar 3-4.
33. Quinn N.W.T. and D. Follette. 2003. Demonstration of real-time water quality management for seasonal wetland drainage. ESD Science review, Poster Session. Mar 3-4.
34. Quinn, N.W.T and Alice A. Tulloch. 2002 San Joaquin River diversion data assimilation, drainage estimation and installation of monitoring stations. LBNL-56940.
35. Lundquist, T.J., F.B. Green, N.W.T. Quinn, S.E. Borglin, C. Hsieh, and W.J. Oswald, 2002. Development of Drainage Treatment for the San Joaquin River Water Quality Improvement Project, DWR Project Update Meeting, March 27, 2002, Sacramento.
36. Green, F.B., T.J. Lundquist, N.W.T. Quinn, M.A. Zárate, I.X. Zubieta, and W.J. Oswald. 2002. "Selenium and nitrate removal from agricultural drainage using the AIWPS Technology," Fifth International Water Association Specialist Conference on Waste Stabilization Ponds, Pond Technology for the New Millennium, April 2-5, 2002, Auckland, New Zealand (in press Water Science and Technology
37. Quinn N.W.T and W. Mark Hanna. 2002. Real-time management of seasonal wetland drainage to satisfy salinity TMDL objectives in California's Grasslands Basin. Proceedings of the US Committee

on Irrigation and Drainage Water Management Conference on Helping Irrigated Agriculture Adjust to TMDL's, Sacramento, CA. October 23-26.

38. Quinn N.W.T. L.D. Brekke, N.L. Miller, T. Heinzer and J.A. Dracup. 2002. Model Integration for Assessing Future Hydroclimate Impacts on Water Resources, Agricultural Production and Environmental Quality in the San Joaquin Basin, California. LBNL-51708.
39. Quinn, N.W.T. and M.C.S. Eacock. 2002. Real-Time Water Quality Modeling and Management in the San Joaquin River. LBNL-51167.
40. Williams, C. Brombaugh T., Alemi M. and N.W.T. Quinn 2002. A Conceptual Salt Budget for Characteristic Water Districts in the Western San Joaquin Valley, California. Proceedings of the US Committee on Irrigation and Drainage Conference on Energy, Climate, Environment and Water – Issues and Opportunities for Irrigation and Drainage, San Luis Obispo, CA. July 9-12.
41. Quinn N.W.T and M.C.S. Eacock. 2002. Real-Time Water Quality Modeling And Management In The San Joaquin River. Proceedings of the US Committee on Irrigation and Drainage Conference on Energy, Climate, Environment and Water – Issues and Opportunities for Irrigation and Drainage, San Luis Obispo, CA. July 9-12.
42. Green, F.B., T.J. Lundquist, N.W.T. Quinn, M.A. Zárata, I.X. Zubieta, and W.J. Oswald. 2002. “Selenium and nitrate removal from agricultural drainage using the AIWPS Technology,” Fifth International Water Association Specialist Conference on Waste Stabilization Ponds, Pond Technology for the New Millennium, Auckland, New Zealand, April 2-5
43. Quinn N.W.T and M.C.S. Eacock. 2002 Project Impacts on the San Joaquin River. In : Grassland Bypass Project, Annual Report 1999-2000. San Francisco Estuary Institute, Feb.
44. Quinn, N.W.T. and W. M. Hanna. 2002. A Decision Support System for Adaptive Real-Time Management of Seasonal Wetlands. LBNL-50238.
45. Eacock M.C.S and N.W.T Quinn. 2002. Flow and Salinity Monitoring. In : Grassland Bypass Project, Annual Report 1999-2000. San Francisco Estuary Institute, Feb.
46. Eacock M.C.S and N.W.T Quinn. 2002. Flow, Salt and Selenium Mass Balances in the San Luis Drain . In : Grassland Bypass Project, Annual Report 1999-2000. San Francisco Estuary Institute, Feb.
47. Quinn N.W.T, C.Y. Jacquemin, J. Goetz. and J. Fawzi. 2002. WESTSIM: An Integrated Groundwater and Surface Water Model for the Western San Joaquin Basin. California Water and Environmental Modeling Forum and Interagency Ecological Program Annual Meeting, Asilomar, CA. Feb 26-Mar 1.
48. Follette D. and N.W.T. Quinn. 2002. Salt Balance in San Joaquin Basin Wetlands. . California Water and Environmental Modeling Forum and Interagency Ecological Program Annual Meeting, Asilomar, CA. Feb 26-Mar 1.
49. Hanna W.M. and N.W.T. Quinn. 2002. A wetland drainage decision support system using Arcview 8.1 to enhance coordination with San Joaquin River salinity objectives. ESRI Regional GIS Conference, Sacramento, CA.

50. Quinn N.W.T and W. Mark Hanna. 2001. Real-Time Wetland Water Quality Management in the Grasslands Basin. Invited Seminar, U.C. Berkeley Dept. of Civil and Environmental Engineering, Nov 30.
51. Quinn N.W.T, C.Y. Jacquemin , T. Heinzer and J. Goetz. 2001. WESTSIM: A GIS-based Application of the Integrated Groundwater Surface Water Model (IGSM) to the Western San Joaquin Basin for Conjunctive Use Planning and Drainage Prediction. 23rd Biennial Groundwater Conference, Sacramento, CA. October 30-31.
52. Lundquist T.J., F.B Green, N.W.T Quinn, T.J Leighton, M.A Zarate, W.J Oswald. 2001. The Algal-Bacterial Selenium Removal Process. Poster Session. State of the Estuary Conference, San Francisco, CA.
53. Sudicky E., J. VanderKwaak, G. Matanga, N.W.T Quinn, C.Y. Jacquemin. 2001. New Computational Approaches for Modeling Integrated Groundwater-Surface Water Systems. 23rd Biennial Groundwater Conference, Sacramento, CA. October 30-31.
25. Gelvin A. and N.W.T. Quinn. 2001. Grassland Water District Water Quality Management and Panoche Drainage District Algal-Bacterial Selenium Removal. Journal of Undergraduate Research, Volume 1, 2001, pp 45. Office of Science, U.S. Department of Energy.
26. Hanna M. and N.W.T. Quinn and J.A. Dracup. 2000. Adaptive real-time management of seasonal wetlands in the Grassland Water District to improve water quality in the San Joaquin River. Poster Session. American Geophysical Union Annual Conference, Dec. 2000. San Francisco, CA.
27. Zárate M.A, T.J. Lundquist, S. Mountford, N.T.W. Quinn, F.B. Green, and T.J. Leighton. 2000. Performance of an algal-bacterial selenium-removal system in the San Joaquin Valley of California. 219th American Chemical Society National Meeting, March 26-30, 2000, San Francisco.
28. Quinn, N.W.T., T.J. Lundquist, F.B. Green, W.J. Oswald, T Leighton and M.A. Zarate. 1999. Performance of an Algal-Bacterial Selenium Removal Facility in the Panoche Water District, California. Lawrence Berkeley National Laboratory, LBNL-44923
29. Quinn, N.W.T. 1998. Real-time water quality management in the San Joaquin River, California. Proceedings of the American Society of Agricultural Engineers, Drainage Symposium, Orlando, Florida. Mar 9-12.
30. Quinn N.W.T., C.W. Chen, L.F. Grober, J. Kipps and E. Cummings. 1997. Real-time management of water quality in the San Joaquin River. California Agriculture. September/October, Vol.51, No. 5.
31. Quinn N.W.T. and P. Vorster. 1997. The role of science in guiding solutions to water resources conflicts: A comparative study of Kesterson Reservoir and Mono Lake, California. Proceedings of 7th International Conference on Lakes Conservation and Management, Lake Lacar, Argentina. October 27 – 31.
32. Quinn N.W.T. and J. Karkoski. 1997. Prospects for real time management of water quality in the San Joaquin River Basin, California. Lawrence Berkeley National Laboratory Report, LBNL-40513, Earth Sciences Division, Berkeley, California.
33. Quinn N.W.T. 1997. A Compliance Monitoring System for Selenium Drainage Management. Abstracts of the ESRI Annual User Conference, San Diego, CA. July 9-12.

34. Quinn N.W.T. 1996. Abstracts of technical workshops. Bay-Delta Modeling Forum. Lawrence Berkeley National Laboratory Report, LBNL-40500, Earth Sciences Division, Berkeley, California.
35. Quinn N.W.T. 1996. Compliance monitoring program for use and operation of the Grasslands Bypass to remove agricultural drainage from Grassland Water District channels. LBNL-39052. Earth Sciences Division, Berkeley, California.
36. Narasimhan T.N. and N.W.T. Quinn. 1995. A process - oriented view of issues of salinity and drainage in the western San Joaquin Valley of California. LBNL-38498, Earth Sciences Division, Berkeley, California.
37. Karkoski J., N.W.T. Quinn, L.F. Grober. 1995. The potential for real-time water quality management in the San Joaquin River Basin of California. Advances in Model Use and Development for Water Resources. AWRA Annual Conference and Symposium Proceedings, Houston, Texas, July.
38. Quinn, N.W.T., T. Tokunaga, J. Clyde and R. Salve. 1994. Investigation of selenium losses in canals used for conveyance of sub-surface agricultural drainage in the western San Joaquin Valley, California. Proceedings of the International Conference on Groundwater Ecology. Atlanta, Georgia.
39. Presser T.S. and N.W.T. Quinn. 1994. The identification and management of irrigation-induced contamination problems in the western United States. American Association for the Advancement of Science Abstracts. San Francisco, CA. February 18-23.
40. Quinn N.W.T. 1993. Real time management of agricultural drainage return flows in the San Joaquin Basin of California to meet water quality objectives. Proceedings of the American Water Resources Association Symposium on Effluent Use Management, Tucson, Arizona.
41. Quinn N.W.T. 1992. Computer-based decision support tools for evaluation of actions affecting flow and water quality in the San Joaquin Basin and the Sacramento - San Joaquin River Delta. LBNL-34076, Berkeley, California.
42. Quinn N.W.T. 1992. Analysis of the potential impacts on surface water quality resulting from the proposed use of the San Luis Drain to transport agricultural drainage through the Northern Grasslands. LBNL-32662, Earth Sciences Division, Berkeley, CA.
43. Quinn N.W.T. 1992. San Joaquin - Tulare Conjunctive Use Model: Detailed model description. LBNL-32063, Earth Sciences Division.
44. Quinn N.W.T. 1992. Conjunctive Management of Groundwater and Surface Water Resources in the San Joaquin Valley of California. Proceedings of the American Water Resources Association Conference on Availability of Water Resources. Raleigh, North Carolina, April 12-16, 1992. LBNL-31800 Earth Sciences Division, Berkeley, California.
45. Quinn N.W.T. 1991. Environmentally sound irrigated agriculture in the arid west: new challenges for water resources planners and environmental scientists. Proceedings of the Conference on Environmentally Sound Agriculture, Orlando Florida, April 16-18. LBNL-30836, Earth Sciences Division, Berkeley, California.

46. Quinn N.W.T. 1990. Evaluation of Conjunctive Use and Drainage Reduction Strategies. Resources for Water Management. Proceedings of the American Society of Civil Engineers, Water Resources Division, Fort Worth, Texas. February, pp. 226-231.
47. Taghavi A.S., N.W.T. Quinn and L.B. Everett. 1990. Modeling Groundwater Flow in the San Joaquin Valley. Resources for Water Management. Proceedings of the American Society of Civil Engineers, Water Resources Division, Fort Worth, Texas. February. pp. 555-558.
48. Quinn N.W.T, S.A. Hatchett and D.G. Swain. 1998. Evaluating policy options for management of selenium contaminated drainage and drainage - related problems in the San Joaquin Valley. Toxic Substances in Agricultural Water Supply and Drainage. Proceedings of the Second Pan American Regional Conference on Irrigation and Drainage, Ottawa, Ontario, June 8-9.
49. Hatchett S.A., N.W.T Quinn, G.L. Horner and R.E. Howitt. 1989. A drainage economics model to evaluate policy options for management of selenium contaminated drainage. Toxic Substances in Agricultural Water Supply and Drainage. Proceedings of the Second Pan American Regional Conference on Irrigation and Drainage, Ottawa, Ontario, June 8-9.
50. Quinn N.W.T. 1988. Sensitivity analysis of selenium transport in the San Joaquin Valley of California. A preliminary approach toward information management and integrated systems planning. Invited paper presented at the American Society of Agronomy Annual Meeting, Nov 30 - Dec 5, New Orleans.
51. Norman W.R., N.W.T. Quinn et. al. 1982. Rural water supply and sanitation in developing countries. Topical report. Department of Agricultural Engineering, Cornell University, Ithaca, N.Y..