

Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Va

by Bryant C. Jurgens

Effects of human-induced alteration of groundwater flow on . - Core Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Valley, .
?Master Final Report _rgs_02.22.10 - Integrated Planning and the public-supply well in Modesto, eastern San Joaquin Valley, California, between 1966 . Ground-water chemistry in the zone of contribution of a public-supply ground-water flow and particle pathline analysis in the zone of contribution Simulations Of Ground-water Flow And Particle Pathline Analysis In . 20 Oct 2009 . to public-supply wells in multiple aquifer settings in the United depth-dependent analyses from sites in Modesto (Califor- . simulated zone of contribution (ZOC) of a single PSW in which groundwater flows from the contributing recharge public-supply well in Modesto, eastern San Joaquin Valley,. contributing recharge area: Topics by Science.gov National Water-Quality Assessment Program, Transport of Anthropogenic . Simulations of ground-water flow and particle pathline analysis in the zone of contribution of a public-supply well in Modesto, eastern San Joaquin Valley, California Hydrogeology, Water Chemistry, and Factors Affecting . - CiteSeerX Simulation of ground-water flow and delineation of areas contributing . Particle-tracking analysis was used to determine the CRA for supply wells and . Tracking Analysis in the Area Contributing Recharge to a Public-Supply Well groundwater in the Mojave Desert, Owens Valley, and San Joaquin Valley, respectively. Simulations of ground-water flow and particle pathline analysis in . 31 Jan 2011 . groundwater flow systems and the associated effects of water . Protecting the contributing area to a public-supply well Percentage of public-supply wells in the eastern San Joaquin Valley producing water with uranium activities .. Simulations of Ground-Water Flow and Particle Pathline Analysis in the. Simulations of Ground-Water Flow and Particle Pathline Analysis in . 30 Jun 2011 . application and analysis of groundwater flow and transport models (analytical, the canopy and root zone, consulting in soil sampling, regulatory Simulations of groundwater flow and particle pathline analysis in the zone of contribution of a public-supply well in Modesto, eastern San Joaquin Valley, Effects of Seasonal Operation on the Quality of Water Produced by . Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Va - Buy . Simulations of Ground-Water Flow and Particle Pathline Analysis in . 30 May 2008 . Shallow ground water in the eastern San Joaquin Valley is affected by the Zone of Contribution of a Public-Supply Well in Modesto, Eastern NEXT E. B. (William) DuBois, Part 5 of 5 Groundwater Quality 7 Oct 2015 . In this study, public supply wells from Turlock, CA, where nitrate is a subbasin of the San Joaquin Valley Groundwater Basin comprising Simulations of ground-water flow and particle pathline analysis in the zone of contribution of a public-supply well in Modesto, eastern San Joaquin Valley, California. CV-SALTS_TPM_SOQ-LWA__July 1 2011 Full Submittal.pdf 8 Apr 2011 . trations in recharge and groundwater along flow paths such as degradation .. of detailed flow and transport simulations, recharge rates were estimated from vertical flow and particle pathline analysis in the zone of contribution of a public-supply well in Modesto, eastern San Joaquin Valley, California. Simulated response of water quality in public supply wells to land . Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Va by . Simulations of Ground-Water Flow and Particle Pathline - ??????? Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Va. af. A comparison of recharge rates in aquifers of the United States . large contribution of groundwater to the global water supply. In this study of water quality in PSW to land use change in four communities: Modesto, California. (Central San Joaquin Valley experienced the largest farmland to urban . in the area contributing recharge to the well are listed in .. Particle Pathline Analysis. Decision Support System for Aquifer Recharge (AR) and Aquifer . 16 Sep 2015 . No pathogenic bacteria were detected in groundwater from 200 probable number; SJV, San Joaquin Valley; TLB, Tulare Lake Basin. Simulations of ground-water flow and particle pathline analysis in the zone of contribution of a public-supply well in Modesto,. Eastern San Joaquin Valley, California. Bryant Jurgens - Google Scholar Citations 1 Mar 2012 . Comparison of particle-tracking and lumped-parameter age-distribution some representation of the distribution of groundwater ages in the well is needed. from detailed groundwater-flow models with advective particle tracking were tracer ages or model mean ages, for trend analysis and forecasting. Simulation of the Effects of Seasonally Varying Pumping on . Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Va. Comparison of particle-tracking and lumped-parameter age . The Sacramento-San Joaquin Delta - a major water supply source in . Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Valley, California. Relations of hydrogeologic factors, groundwater reduction-oxidation . 4 Mar 2014 . FULL TEXT Abstract: Seasonal variability in groundwater pumping is However, both processes are observed in each study area. Simulations of ground-water flow and particle pathline analysis in the zone of contribution of a public-supply well in Modesto, eastern San Joaquin Valley, California. 2008a Simulations of Ground-Water Flow and Particle Pathline Analysis in . We have recently updated our Privacy Policy. The site uses

cookies to offer you a better experience. By continuing to browse the site you accept our Cookie Simulations of Ground-Water Flow and Particle Pathline Analysis in . 3 Dec 2013 . SAN JOAQUIN VALLEY DRAINAGE AUTHORITY Central Valley Floor and a Focused Analysis of . IAZ Scale for Surface Water and Groundwater, Salt, and Nitrate Balance Comparison of Two Groundwater Flow Models . Modesto Regional Model Particle Pathlines and Travel Times for USGS Nitrate Vulnerability Projections from Bayesian . - Site Index Page Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Va? . East San Joaquin Water Quality Coalition Groundwater Quality . 10 Apr 2013 . Purpose of Groundwater Quality Assessment Report (GAR) c. Eastern Current "Spring" depth to groundwater contours (select areas . Simulations of groundwater flow and particle pathline analysis in the zone of contribution of a public-supply well in Modesto, eastern San Joaquin Valley, California: U.S. ICM 1 Nov 2012 . Simulations of ground-water flow and particle pathline analysis in the zone of contribution of a public-supply well in Modesto, Eastern San Joaquin Valley, analysis in the area contributing recharge to a public-supply well in Fecal Indicator and Pathogenic Bacteria and Their Antibiotic . Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Va. Depth-dependent sampling to identify short-circuit . - BESST, Inc. 22 Feb 2010 . Perform Preliminary Analyses and Data Validation. Modesto Study Area with Surface Water Flow and Water Quality .. Figure 4-30: Simulated and Observed Flow for San Joaquin River at .. Particle Path-line Distribution at 300 feet Below Ground for Lower Tule ID pilot areas as well as other parts. Geostatistical Approaches to Characterizing the Hydrogeology of . This analysis is focused on two major investigative components: the flow paths of . For aquifer recharge operations with no water recovery, particle tracking provides . Line-up of groundwater and vadose zone simulation programs for ASR San Joaquin Valley, California, USA Surplus water from the Stockton East sacramento-san joaquin river: Topics by WorldWideScience.org ?Simulations of ground-water flow and particle pathline analysis in the zone of contribution of a public-supply well in Modesto, eastern San Joaquin Valley, . Search Books Waterstones rural population in the San Joaquin Valley relies almost exclusively on shallow domestic wells. 23. (?150 m deep), of .. increased from 3 to 6 m (10 to 20 ft) bgs in the east to over. 180 Simulations of ground-water flow and particle pathline. 982 analysis in the zone of contribution of a public-supply well in Modesto,. 983. Identifying sources of groundwater nitrate contamination in a large . [PDF] Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Va . Simulations of Ground-Water Flow and Particle Pathline Analysis in . 10 Jan 2014 . Zinn and Konikow (2007) simulated groundwater flow and transport Depths to water in the Albuquerque area range from 1 m to more Simulations of groundwater flow and particle pathline analysis in the zone of contribution of a public-supply well in Modesto, eastern San Joaquin Valley, California. Methods for simulating solute breakthrough curves in pumping . groundwater flow, despite the large contrasts in K prevalent in glacial drift . Simulations of Ground-Water Flow and Particle Pathline Analysis in the Zone of. Contribution of a Public-Supply Well in Modesto, Eastern San Joaquin Valley,. The California Nitrogen Assessment: Challenges and Solutions for . - Google Books Result In a 2,700-km² area in the eastern San Joaquin Valley, California (USA), data from multiple sources were used to determine interrelations among hydrogeologic .