



Commenter Name	Commenter Organization	Comment Received	Subject	Line #s or Figure #	Comment
Peter Quinlan	Dudek, Rancho Guejito	12/22/2020	Model Documentation report		The GSP should include a report documenting the model development, calibration, and complete parameterization as an appendix. This report should the pumping assigned to each well through time. Zone budgets showing inflows and out flows from each model layer would be helpful in understanding the results of the model simulations.
Peter Quinlan	Dudek, Rancho Guejito	12/22/2020	No Flow Boundaries in Layers 3 and 4	Slide 18 from 17-Dec TPR Meeting	I would like to reiterate that the use of no flow boundaries in these layers eliminates subsurface groundwater inflow resulting from recharge to the granitic rock in large catchments upstream of the stream gauges on Santa Isabel, Guejito, and Santa Maria Creeks, and to a lesser extent catchments above the gauges on Sycamore and Cloverdale Creeks. By incorporating pumping in Layers 3 and 4, but cutting off horizontal inflows from the larger catchments, the model construction will force all the water pumped in layers 3 and 4 to be recharged from Layer 1. As a result the model will not be suitable for evaluating vertical flow in the basin.
Peter Quinlan	Dudek, Rancho Guejito	12/22/2020	No Flow Boundaries in Layers 3 and 4	Slide 18 from 17-Dec TPR Meeting	Rather than addressing this subsurface flow in a sensitivity analysis, I urge the team to try to incorporate subsurface inflow as a specified flux based on the recharge calculated by the Basin Characterization Model (BCM) during calibration.
Peter Quinlan	Dudek, Rancho Guejito	12/22/2020	Parameterization	Slide 41 from 17-Dec TPR Meeting	The hydraulic conductivity assigned to the residuum 10E-03 cm/sec seems high given the amount of pedogenic clay that was reported as being encountered in the residuum in logs from Rockwood Canyon.
Peter Quinlan	Dudek, Rancho Guejito	12/22/2020	Layers	Slide 51 from 17-Dec TPR Meeting	The stratigraphic column indicating that within the SPV Basin boundaries model Layers 1 and 2 are within the basin and that model Layers 3 and 4 is a helpful reminder that The Bulletin 118 basin does not include the rock underlying the Residuum. This clarification should be made in future presentations of the model to avoid confusion about the extent of the Basin, the location of Basin boundaries and the purpose of this analysis.
Peter Quinlan	Dudek, Rancho Guejito	12/22/2020		Slides 26-32 from 17-Dec TPR Meeting	The presentation on the 17th included a number of statements about the relationship between head differentials, groundwater flow and pumping from wells screened in granite underlying the Basin. There is insufficient evidence at this point to draw any conclusions about the volume of water flowing between the Basin and the underlying formations and/or the cause of such flow. Additional review and comparison of USGS work on regional flow through granite in the San Diego region may be helpful to this analysis, as would additional research into the relationship to water levels in Lake Hodges.