

REPORT ON CURRENT AND FUTURE WORK BY THE POSGCD DFC COMMITTEE

Committee members: Steven Wise, chair, Durwood Tucker, Robert Ware, Becky Goetsch

December 4, 2018

#	Task Title &/or Brief Description	Work Performed to date	% Complete	Remaining Work	Anticipated Completion Date
<u>1</u>	Guidance Document for Evaluating Compliance with DFC and PDLs	<ul style="list-style-type: none"> Developed and Demonstrated Methodology Using Data from 2014 to 2017 Finalized Version 1 	80%	<ul style="list-style-type: none"> Update document to include all new wells sampled in 2018 Develop Schematics for new wells 	Jan 30 2019
<u>2</u>	Check DFC and PDL Compliance using 2018 Monitoring data	NA	70%	<ul style="list-style-type: none"> Coordinate with neighboring GCDs and TWDB on aquifer assignments Create 2018 water level maps with latest round of monitoring results 	Dec 31 2018
<u>3</u>	Develop and Apply Programs for New Sparta, Queen City, Carrizo-GAM to Evaluate DFCs and PDLs	<ul style="list-style-type: none"> Develop and apply program using Pumping File Run 12 to calculate after drawdowns by GCDs and Counties Develop and apply program to evaluate SW-GW interactions 	90%	<ul style="list-style-type: none"> Coordinate with Lost Pines GCD to check on consistency on DFCs calculated using updated QCSPCW GAM Develop spreadsheet of Run 12 results to vet calculations Present results to POSGCD to determine final methodology 	Dec 31 2018
<u>4</u>	ASR Investigation	<ul style="list-style-type: none"> Review modeling codes Develop and test methodology for calculating recoverability Selected sites for evaluation 	90%	<ul style="list-style-type: none"> Coordinate with POSGD for ASR scenarios Perform ASR simulations Recommend monitoring strategies 	Dec 31 2018
<u>5</u>	SW-GW Interactions	<ul style="list-style-type: none"> Prepare white paper of SW-GW Interaction of Texas Water Journal Evaluate BRAA GAM results for pumping impacts from shallow wells Demonstrate Improved capability of updated QCSPCW GAM 	80%	<ul style="list-style-type: none"> Evaluate QCSPCW GAM results for pumping impacts from shallow and deep wells Investigate options for field investigations 	Dec 31 2018
<u>6</u>	Groundwater Quality	<ul style="list-style-type: none"> Mapped Class I Injection Wells and TCEQ contamination sites Assemble water quality data Reviewed and obtain geophysical logs 	70%	<ul style="list-style-type: none"> Map base of fresh, saline, and moderately saline water Compile brackish rules from GCDs 	Dec 31 2018