Appendix 1.

Coastal Lowlands Aquifer Study Project Timeline

	FY17				FY18				FY19				FY20				FY21			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1: Framework																				
a) Utilize and mine existing GCRASA																				
b) Utilize and mine existing regional and local-scale models																				
c) Compile and interpret gaps as required																				
Task 2: Conceptual and numerical models and input datasets																				
a) Recharge datasets																				
b) Compilation of hydraulic properties and geostatistics																				
c) Water use compilation/extrapolation																				
d) Compilation of land-surface subsidence and groundwater levels																				
e) Compilation GW-SW interaction data																				
f) Multi-scale grid creation (horizontal and vertical)																				
g) Development of SUB package for MODFLOW6																				
h) Development of the prior uncertainty description																				
i) Development of history-matching model datasets																				
j) Development of forecast model datasets																				
Task 3: Conditioning of numerical model, predictions under uncertainty																				
a) processing of targets and weighting																				
b) Conditioning of emsemble through history matching																				
c) Prior and posterior uncertainty of quantities of interest																				
d) Data worth analysis (monitoring network evaluation)																				
Task 4: Groundwater availability assessment																				
a) Assessment of status and trends in water budgets																				
b) Assessment of status and trends in subsidence																				
c) Assessment of future gw availability																				
Communication																				
a) Web presence																				
b) Stakeholder engagement presentations																				
c) Project updates																				
Products																				
a) SIR framework/conceptual model/model datasets and construction/the prior																				
b) Journal article (new SUB package for MODFLOW6)																				
c) Journal article on conditioning, uncertainty and scenarios																				

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	FY17				FY18				FY19				FY20				FY21			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
d) Data releases (part of data management)										2										
e) Professional paper -- groundwater availability, water budget, predictions																				
f) Fact sheet																				
g) GWWebFlow stochastic model viewer																				

grey = working

black = due