

Central Valley Salinity Coalition

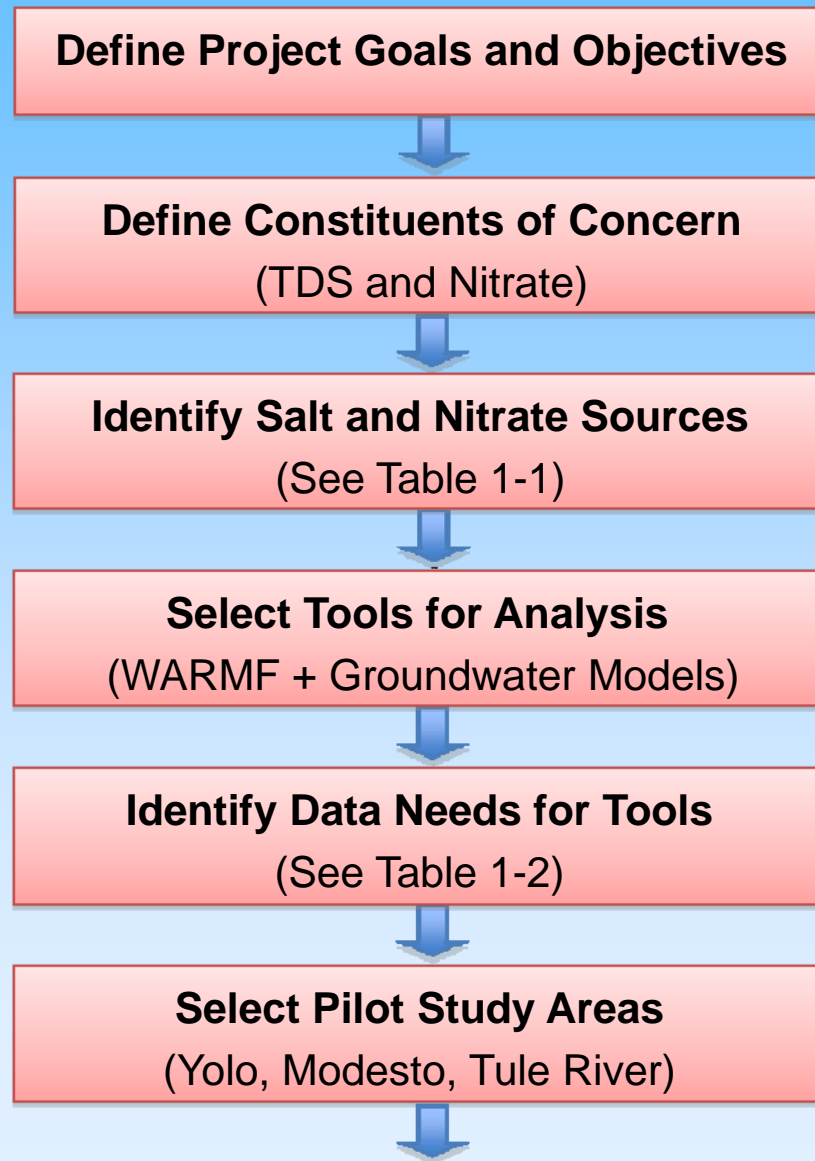
Salt and Nitrate Sources Work Plan and Pilot Implementation Study Progress Update

September 16, 2009

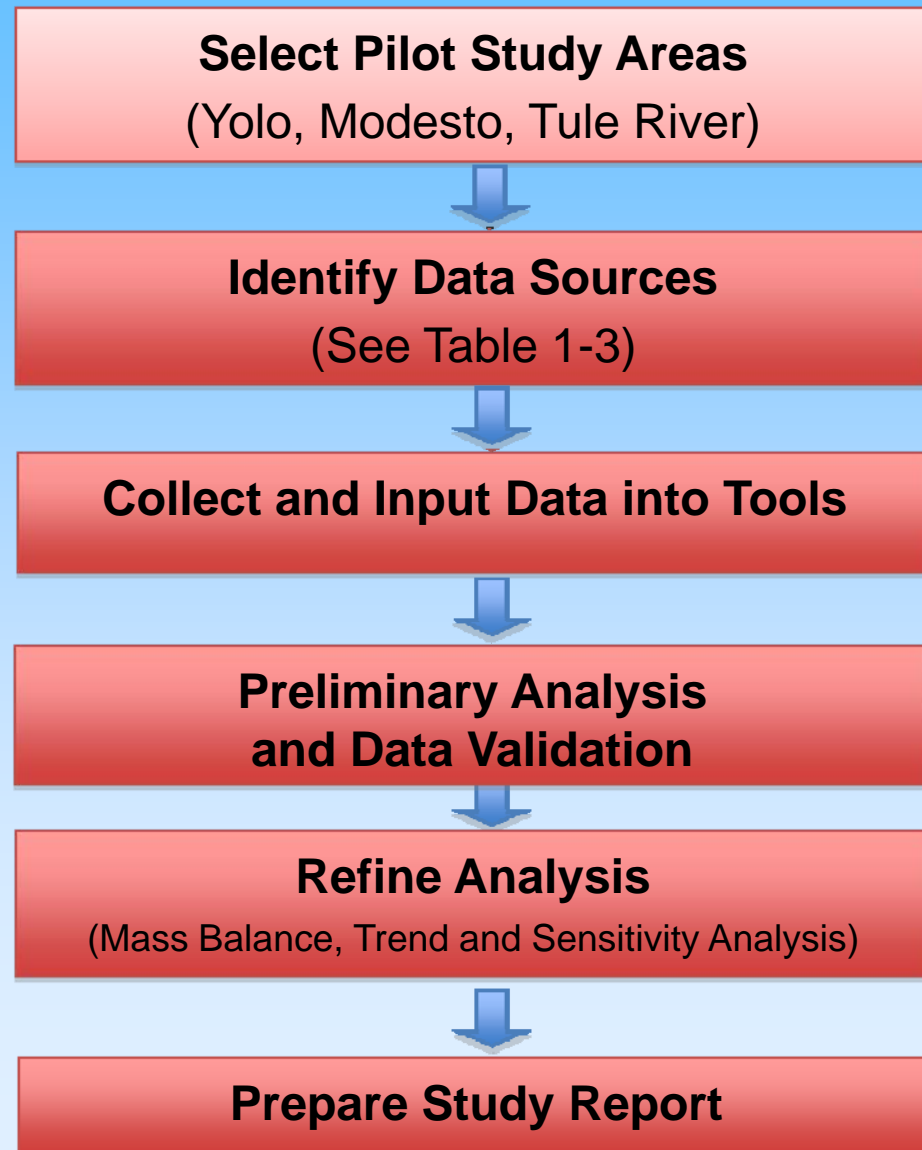
Larry Walker Associates
Systech Water Resources, Inc.
Luhdorff & Scalmanini Consulting Engineers
NewFields Agricultural and Environmental Resources



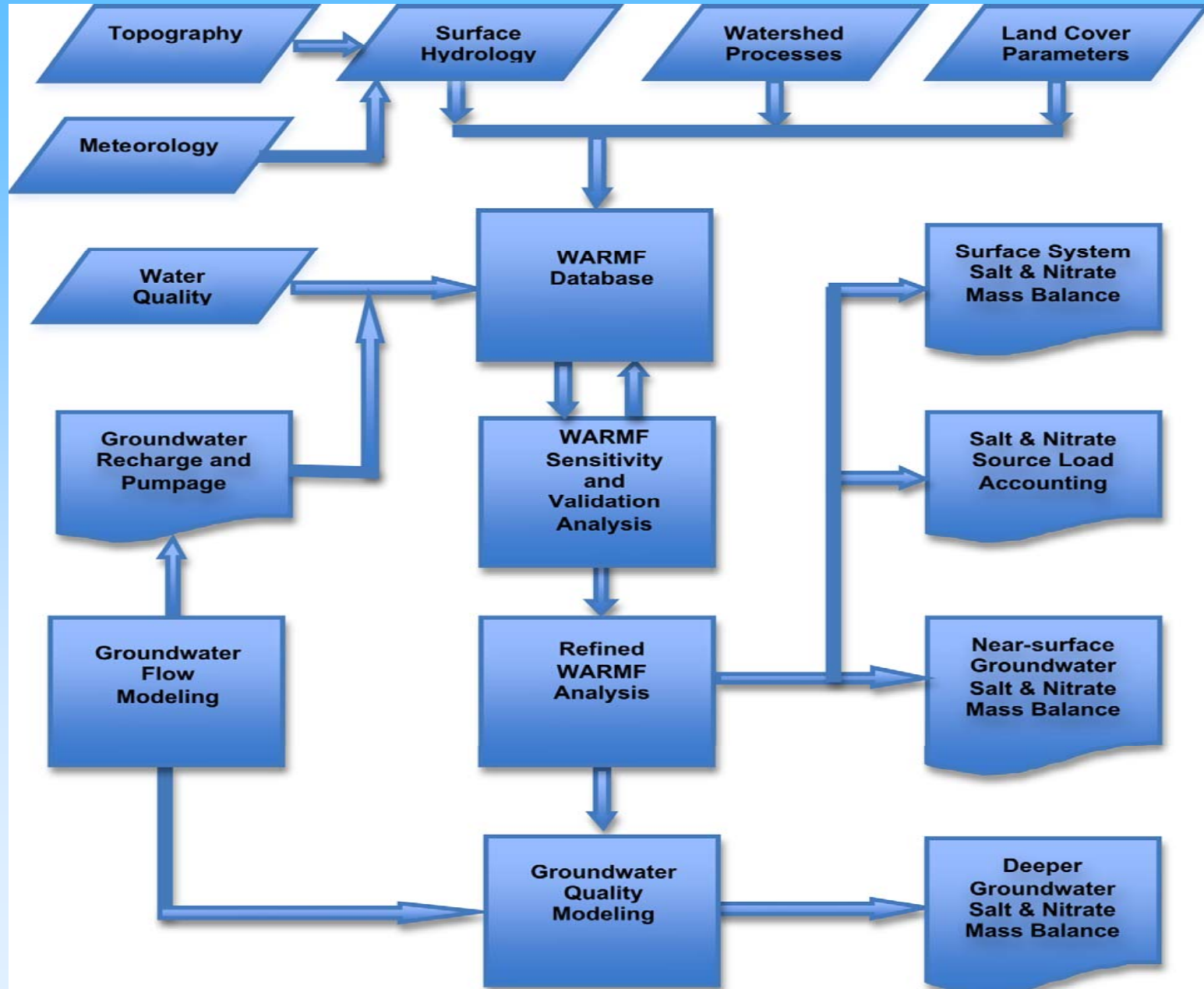
General Methodology Flow Chart



General Methodology Flow Chart



WARMF Model Input/Output Flowchart



List of Data Sources

No.	Data Source	No.	Data Source
1.	WARMF Model (default and calibrated values)	10.	Bay Delta and Tributary Project
2.	DWR Land Use Survey	11.	U.S. Bureau of Reclamation
3.	NRCS Soil Survey	12.	California Irrigation Management Information System (CIMIS)
4.	National Atmospheric Deposition Program (NADP)	13.	Surface Water Ambient Monitoring Program (SWAMP)
5.	Clean Air Status and Trend Network (CASTNET)	14.	Regional Water Quality Control Board Permit Database
6.	DWR Hydrologic data	15.	USGS Hydrologic Data
7.	DWR Water Quality Data	16.	Local Irrigation Districts
8.	EPA-STORET	17.	Local Water Districts
9.	California Data Exchange Center (CDEC)		

List of Data Sources

No.	Data Source	No.	Data Source
18.	U.S. EPA NPDES Database	27.	Local Flood Control Districts
19.	SWRCB Groundwater Ambient Monitoring and Assessment Program (GAMA)	28.	Water Resources Information Database (WRID) – Yolo County
20.	NAQWA	29.	Hilmar SEP Database
21.	California Department of Public Health (CDPH)	30.	Geotracker
22.	UC Cooperative Extension	31.	National Land Cover Database (NLCD)
23.	County Agriculture Commissioner's Office	32.	USGS Digital Elevation Models (DEM)
24.	Integrated Groundwater Surface Water Model (IGSM) – Yolo County Area	33.	Modesto Local MODFLOW Model
25.	USGS Central Valley Hydrologic Model (CVHM)	34.	Harter Tule River Basin MODFLOW Model
26.	USGS Water Quality Data		

Interim Progress Update
