Figures

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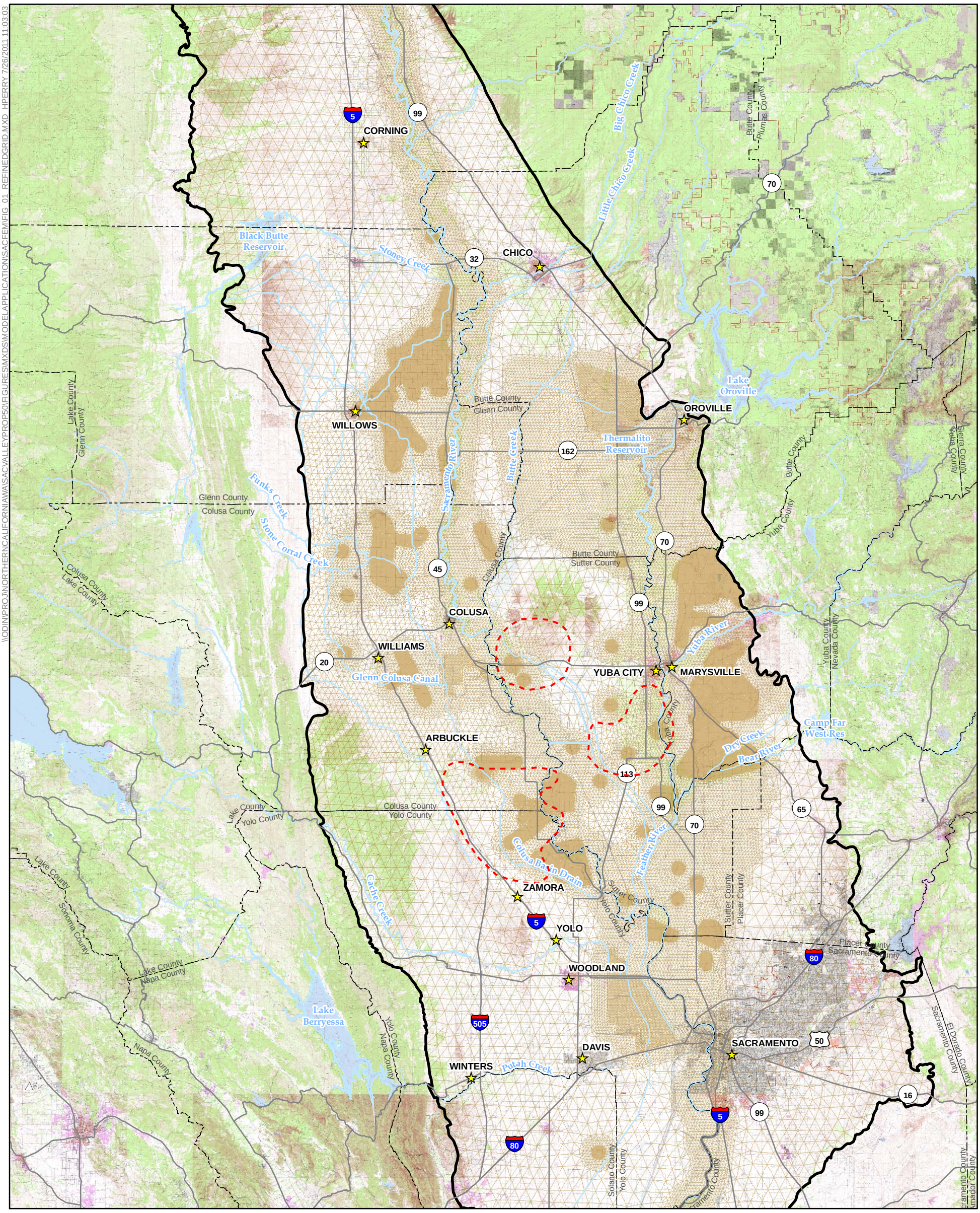


LEGEND

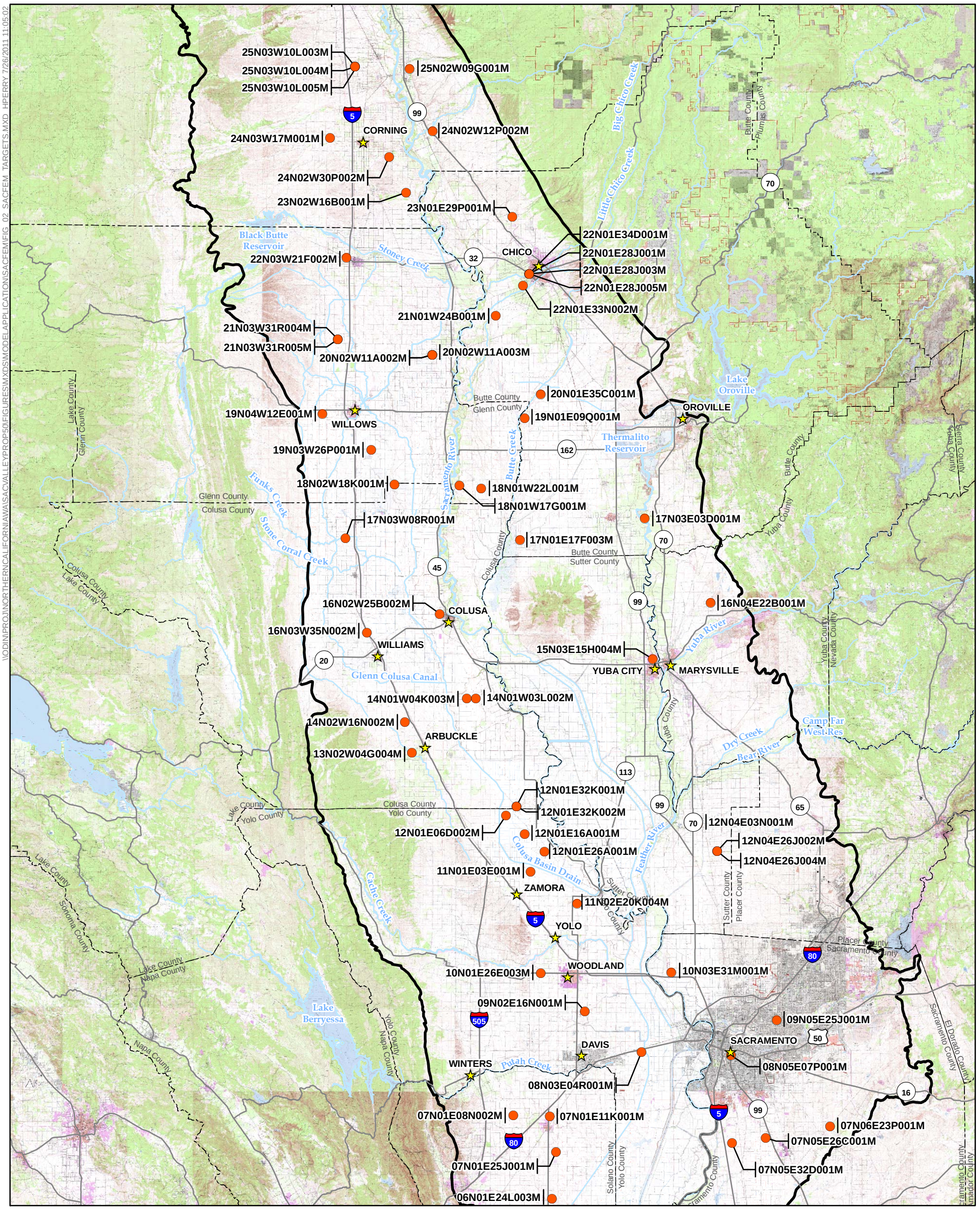
- CITY
- MAJOR WATERWAY
- SACFEM GRID
- AREA OF REFINED NODAL SPACING
- COUNTY BOUNDARY
- SACRAMENTO VALLEY GROUNDWATER BASIN

N

0 10
Miles

FIGURE C-1
REFINED SACFEM GRID
APPLICATION OF SACFEM TO THE PMWC
GROUNDWATER PRODUCTION ELEMENT PROJECT

CH2MHILL



LEGEND

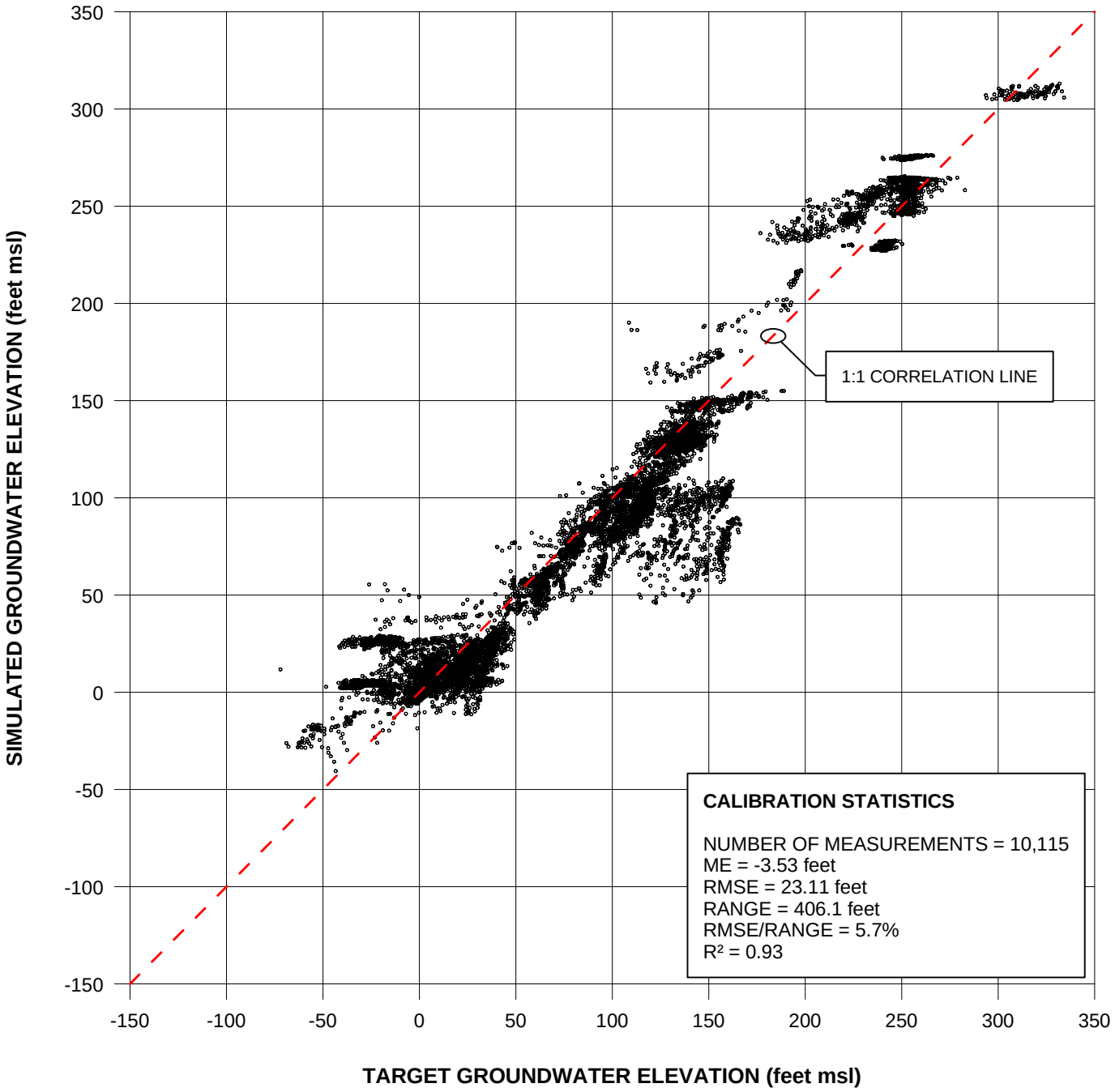
- CALIBRATION WELL
- CITY
- MAJOR WATERWAY
- COUNTY BOUNDARY
- SACRAMENTO VALLEY GROUNDWATER BASIN

N

0 10
Miles

FIGURE C-2
SACFEM CALIBRATION WELL LOCATIONS
APPLICATION OF SACFEM TO THE PMWC
GROUNDWATER PRODUCTION ELEMENT PROJECT

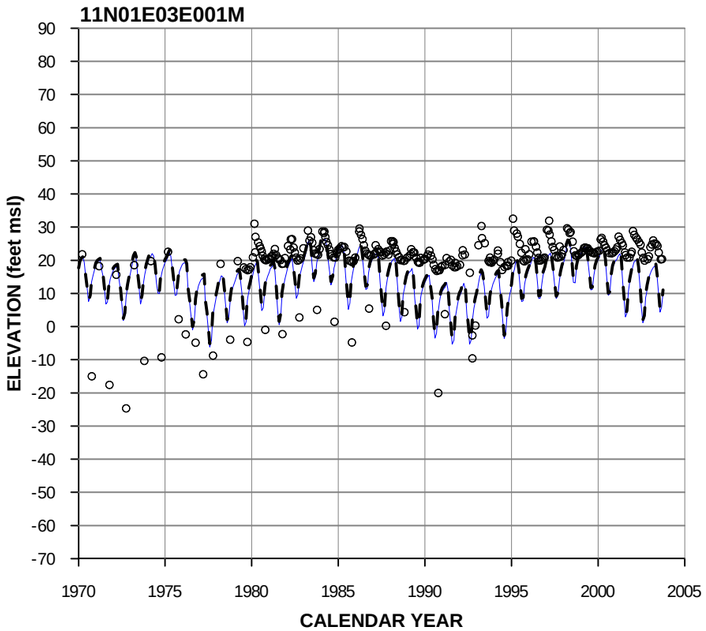
CH2MHILL

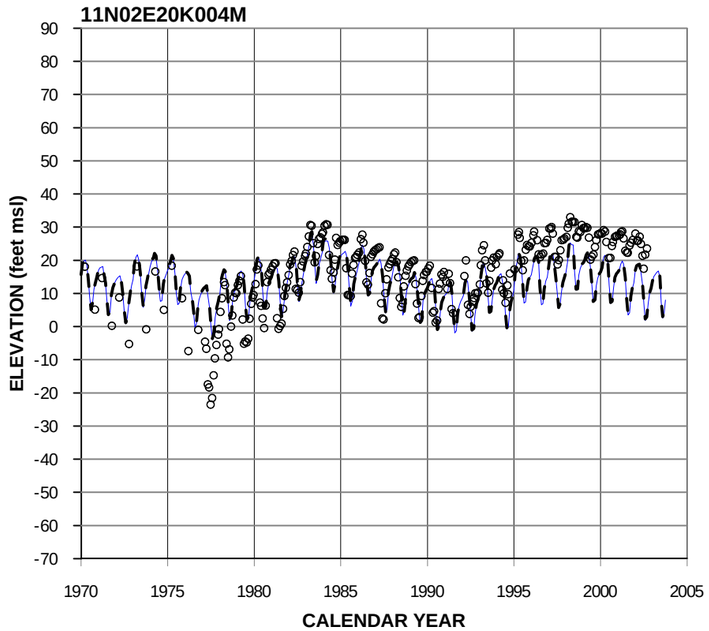


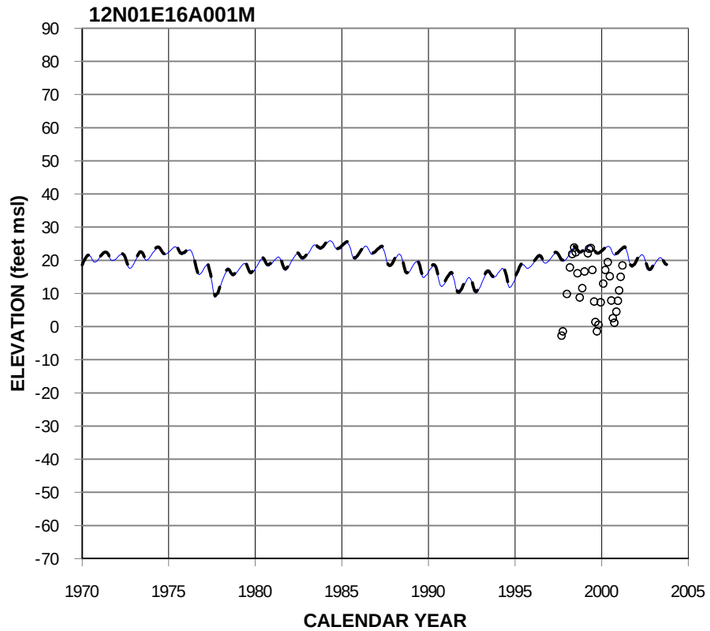
NOTES:

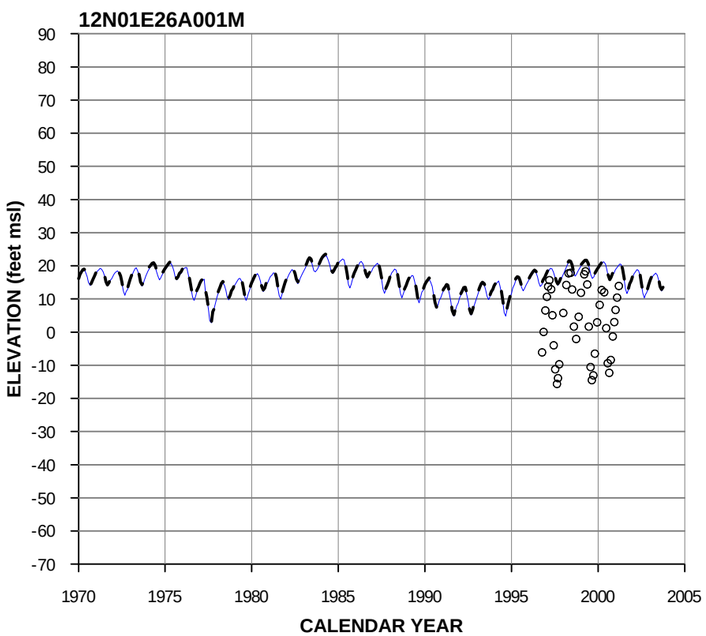
ME = MEAN RESIDUAL ERROR
MSL = MEAN SEA LEVEL
RMSE = ROOT MEAN SQUARE ERROR
RANGE = RANGE IN TARGET GROUNDWATER LEVELS
R^2 = SQUARE OF THE CORRELATION COEFFICIENT

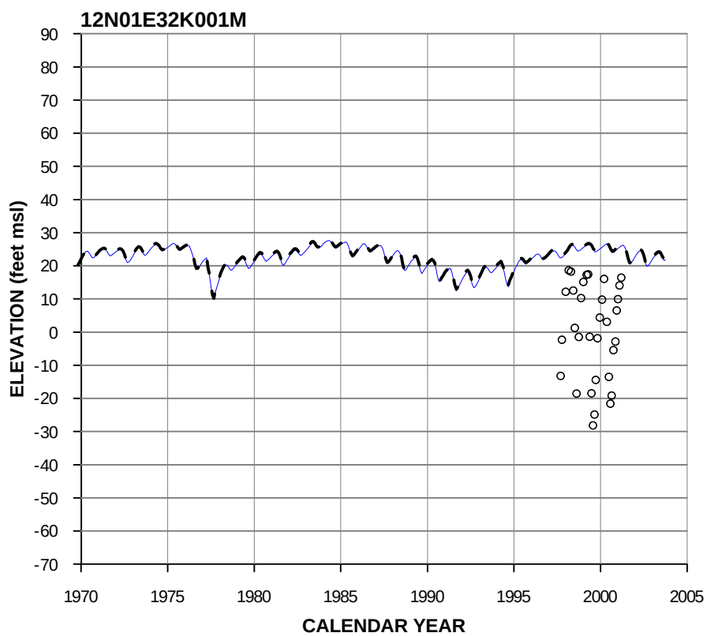
FIGURE C-3
SACFEM - REFINED GRID
CALIBRATION SCATTERGRAM
APPLICATION OF SACFEM TO THE PMWC
GROUNDWATER PRODUCTION ELEMENT PROJECT

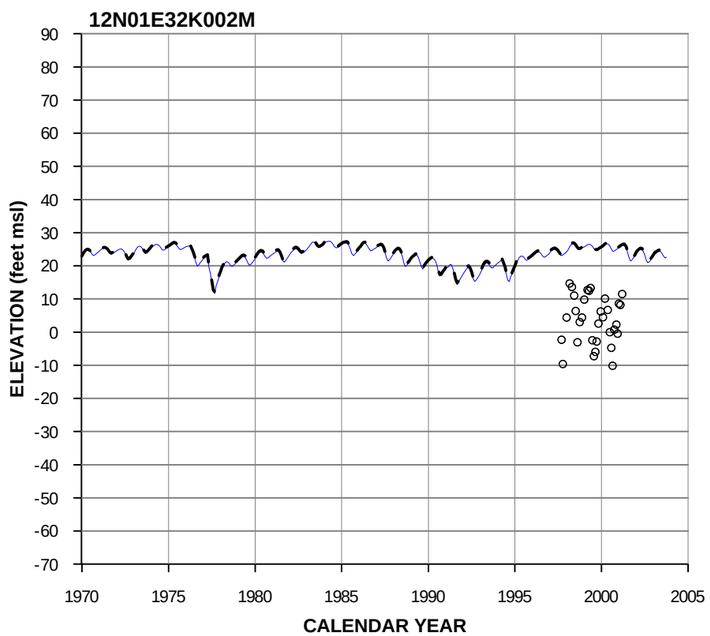












LEGEND

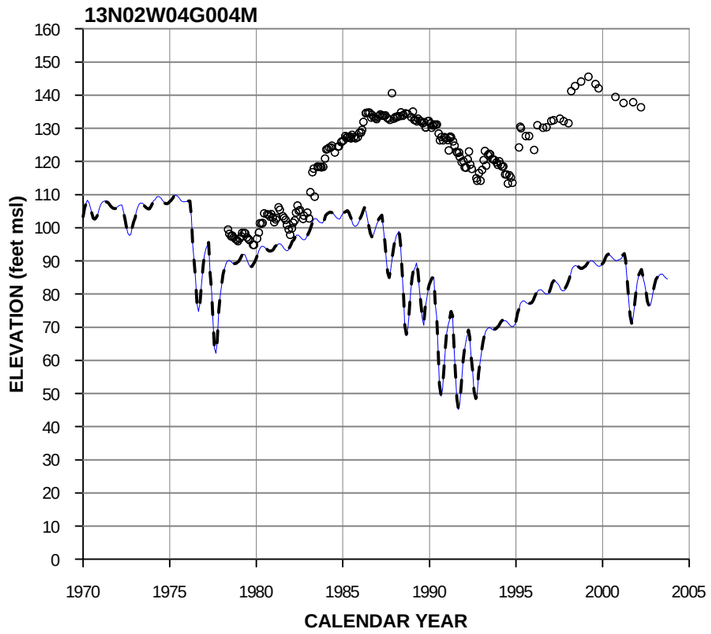
- MEASURED GROUNDWATER ELEVATION
- SIMULATED DATA - ORIGINAL VERSION OF SACFEM
- SIMULATED DATA - REFINED VERSION OF SACFEM WITH REVISED CACHE CREEK CONCEPTUALIZATION

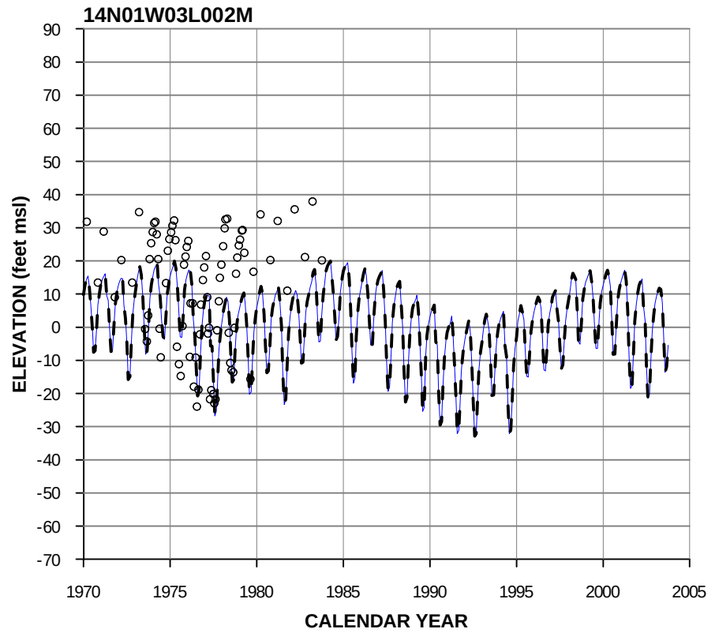
NOTE:

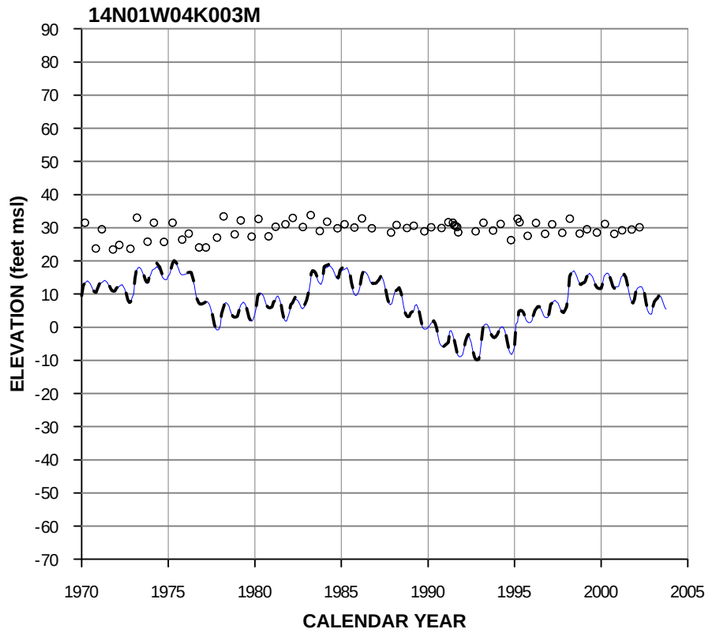
SEE FIGURE C-2 FOR LOCATION OF CALIBRATION WELLS.

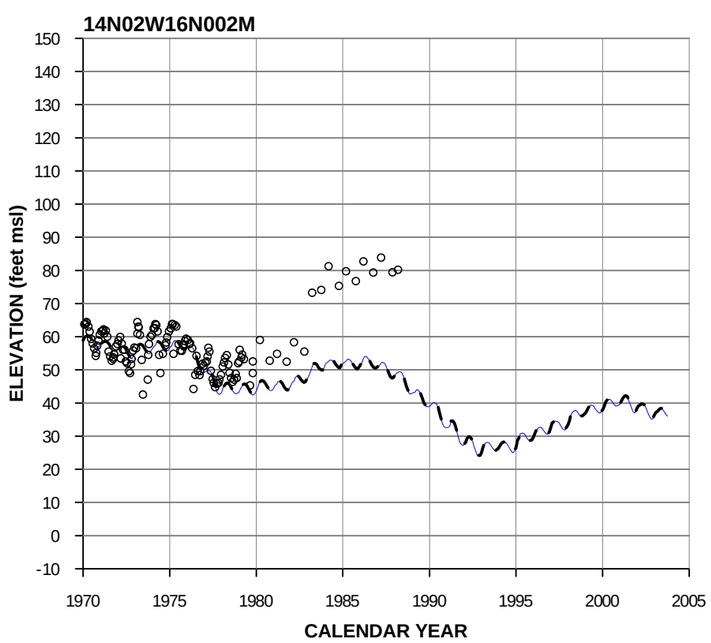
FIGURE C-4 (PAGE 1 OF 2)
SIMULATED AND MEASURED GROUNDWATER ELEVATION VERSUS TIME

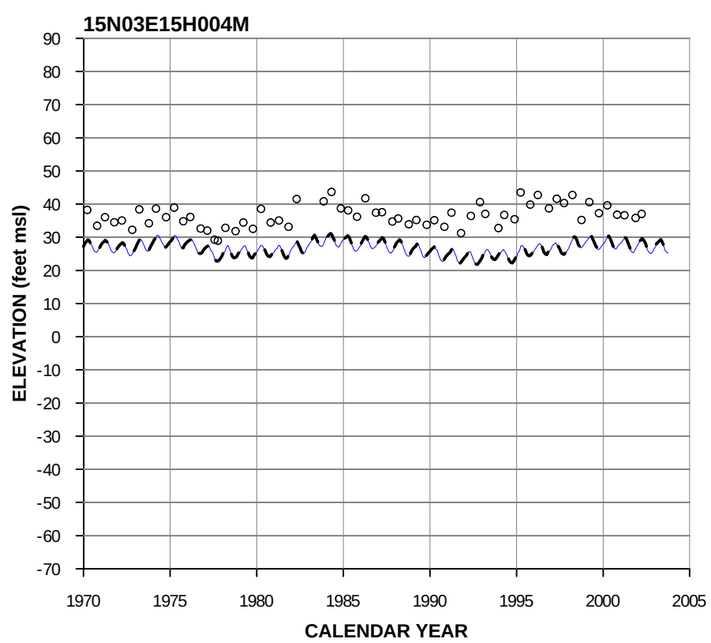
APPLICATION OF SACFEM TO THE PMWC GROUNDWATER PRODUCTION ELEMENT PROJECT

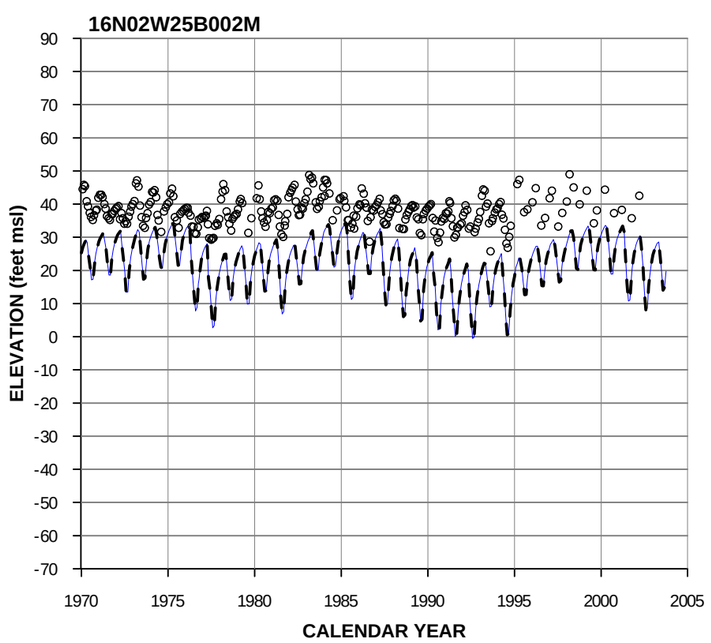












LEGEND

- MEASURED GROUNDWATER ELEVATION
- SIMULATED DATA - ORIGINAL VERSION OF SACFEM
- SIMULATED DATA - REFINED VERSION OF SACFEM WITH REVISED CACHE CREEK CONCEPTUALIZATION

NOTE:

SEE FIGURE C-2 FOR LOCATION OF CALIBRATION WELLS.

FIGURE C-4 (PAGE 2 OF 2)
SIMULATED AND MEASURED GROUNDWATER ELEVATION VERSUS TIME
APPLICATION OF SACFEM TO THE PMWC GROUNDWATER PRODUCTION ELEMENT PROJECT

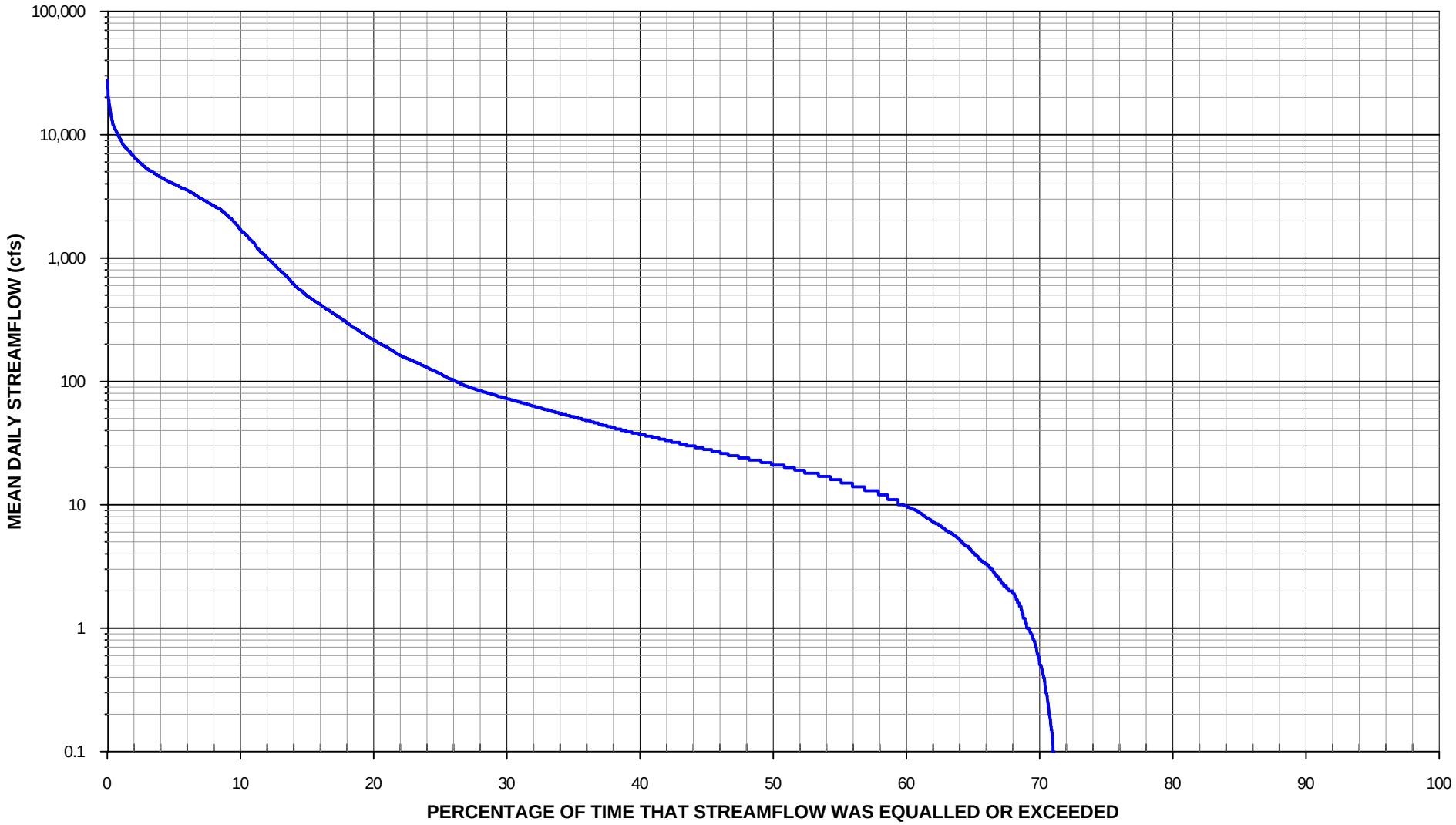
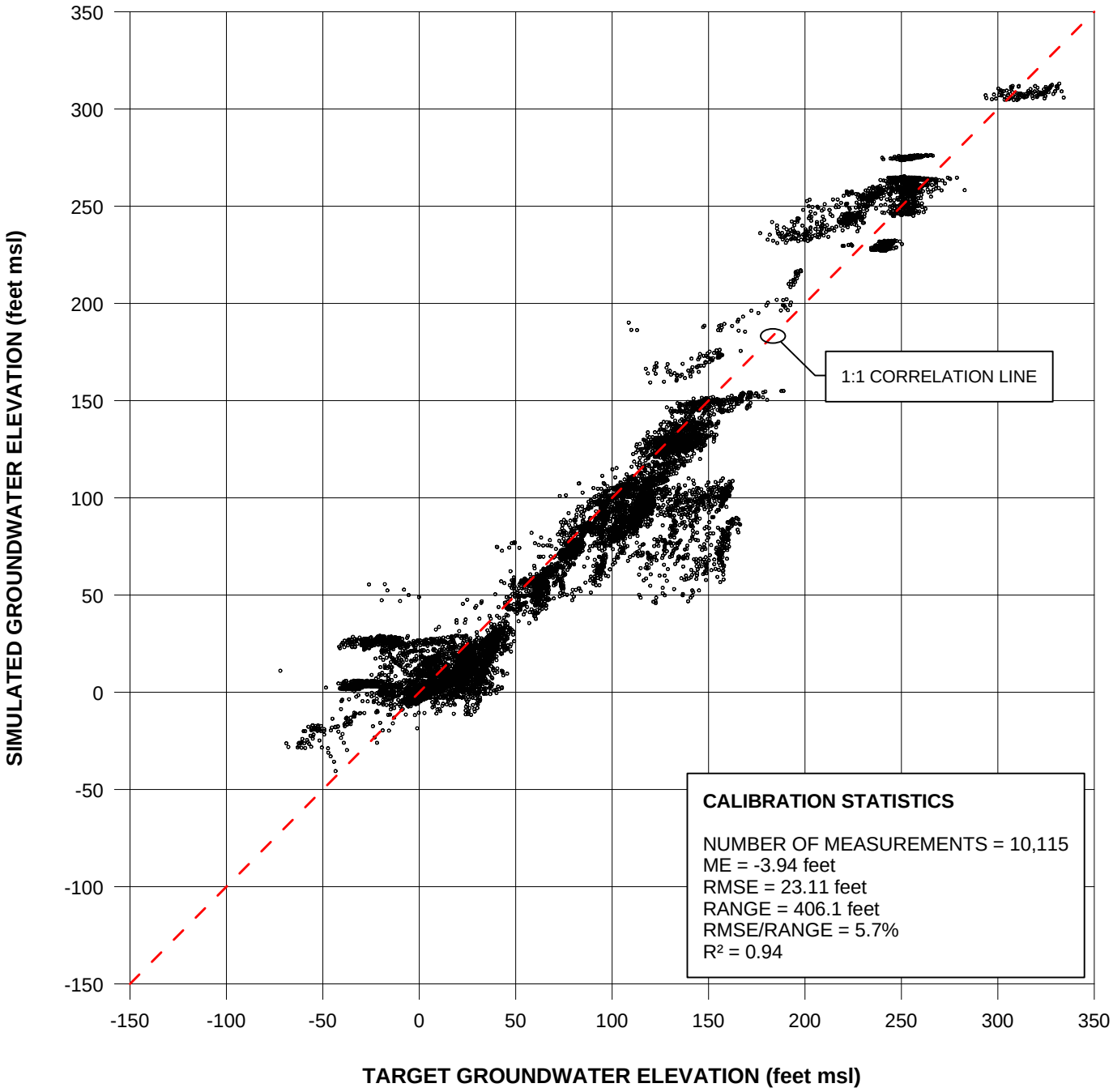


FIGURE C-5
CACHE CREEK
STREAMFLOW EXCEEDANCE PLOT
APPLICATION OF SACFEM TO THE PMWC
GROUNDWATER PRODUCTION ELEMENT PROJECT

NOTES:

1) MEASURED STREAMFLOW AT USGS GAGE No. 11452500, CACHE CREEK AT YOLO, CALIFORNIA
2) EVALUATED PERIOD OF GAGE RECORD: OCTOBER 1969 THROUGH SEPTEMBER 2003



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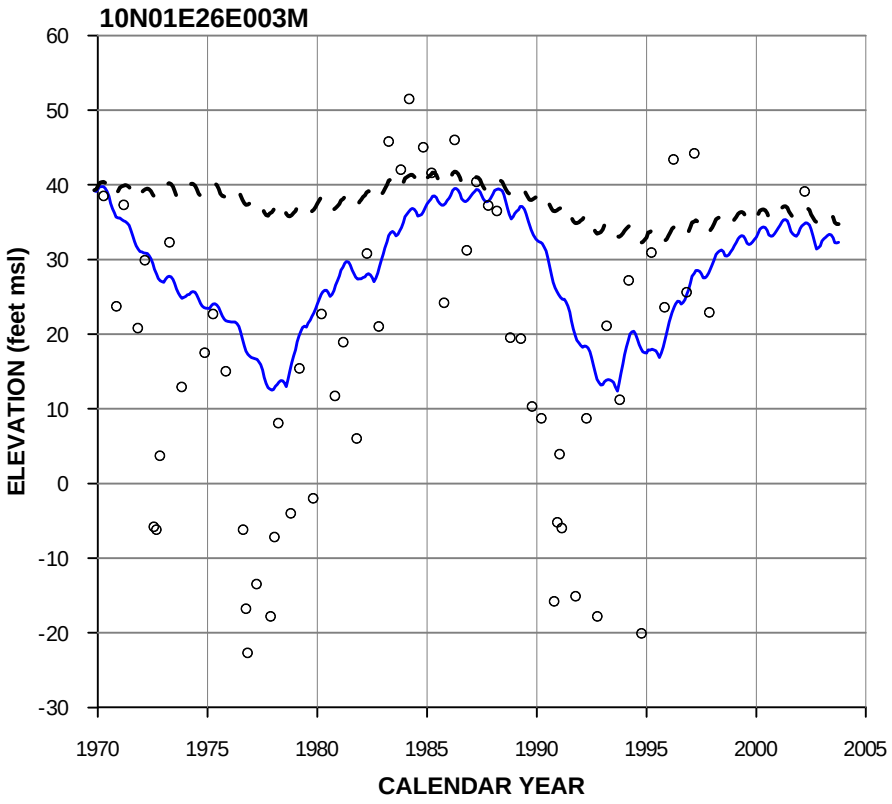
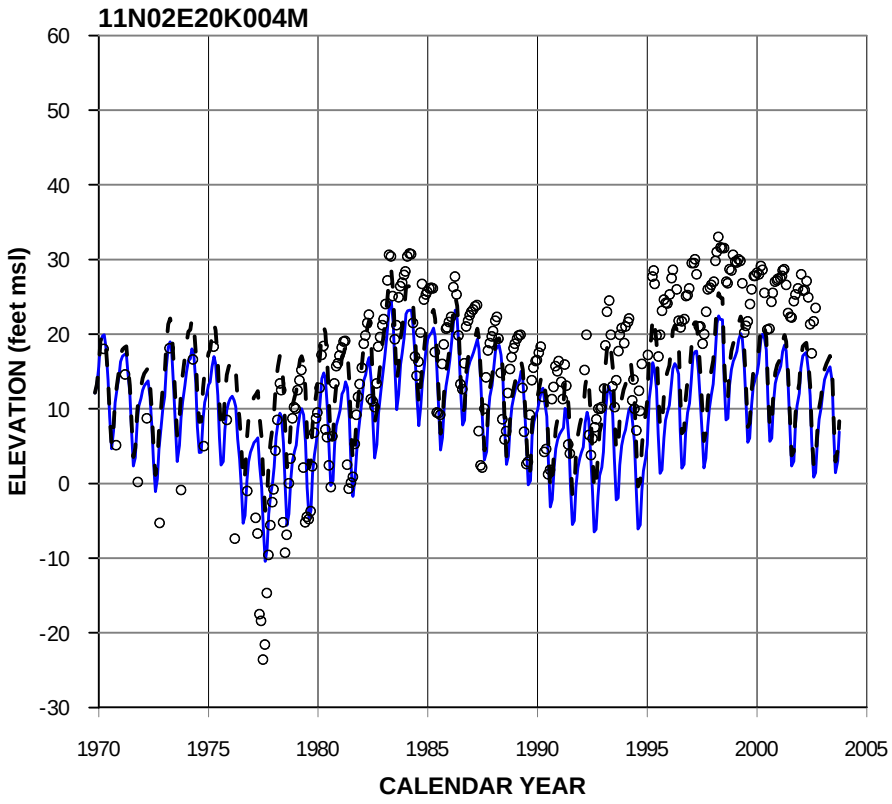
RMSE = ROOT MEAN SQUARE ERROR
RANGE = RANGE IN TARGET GROUNDWATER LEVELS
R^2 = SQUARE OF THE CORRELATION COEFFICIENT

FIGURE C-6
SACFEM CALIBRATION SCATTERGRAM
REFINED CACHE CREEK CONCEPTUALIZATION
APPLICATION OF SACFEM TO THE PMWC
GROUNDWATER PRODUCTION ELEMENT PROJECT





LEGEND

- MEASURED GROUNDWATER ELEVATION
- SIMULATED DATA - ORIGINAL VERSION OF SACFEM
- SIMULATED DATA - REFINED VERSION OF SACFEM WITH REVISED CACHE CREEK CONCEPTUALIZATION

NOTE:

SEE FIGURE C-2 FOR LOCATION OF CALIBRATION WELLS.

FIGURE C-7
SIMULATED AND MEASURED GROUNDWATER ELEVATION VERSUS TIME

APPLICATION OF SACFEM TO THE PMWC GROUNDWATER PRODUCTION ELEMENT PROJECT