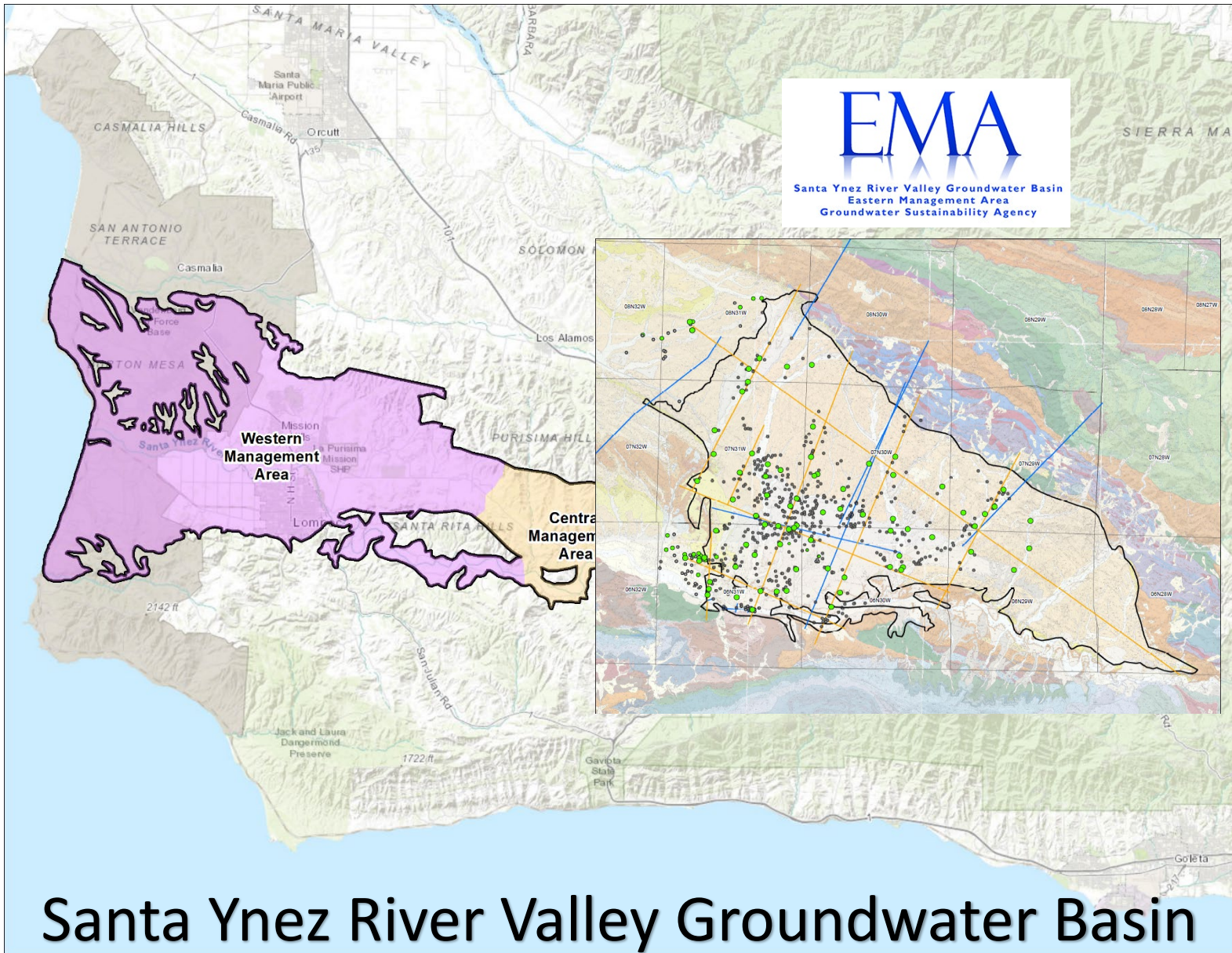


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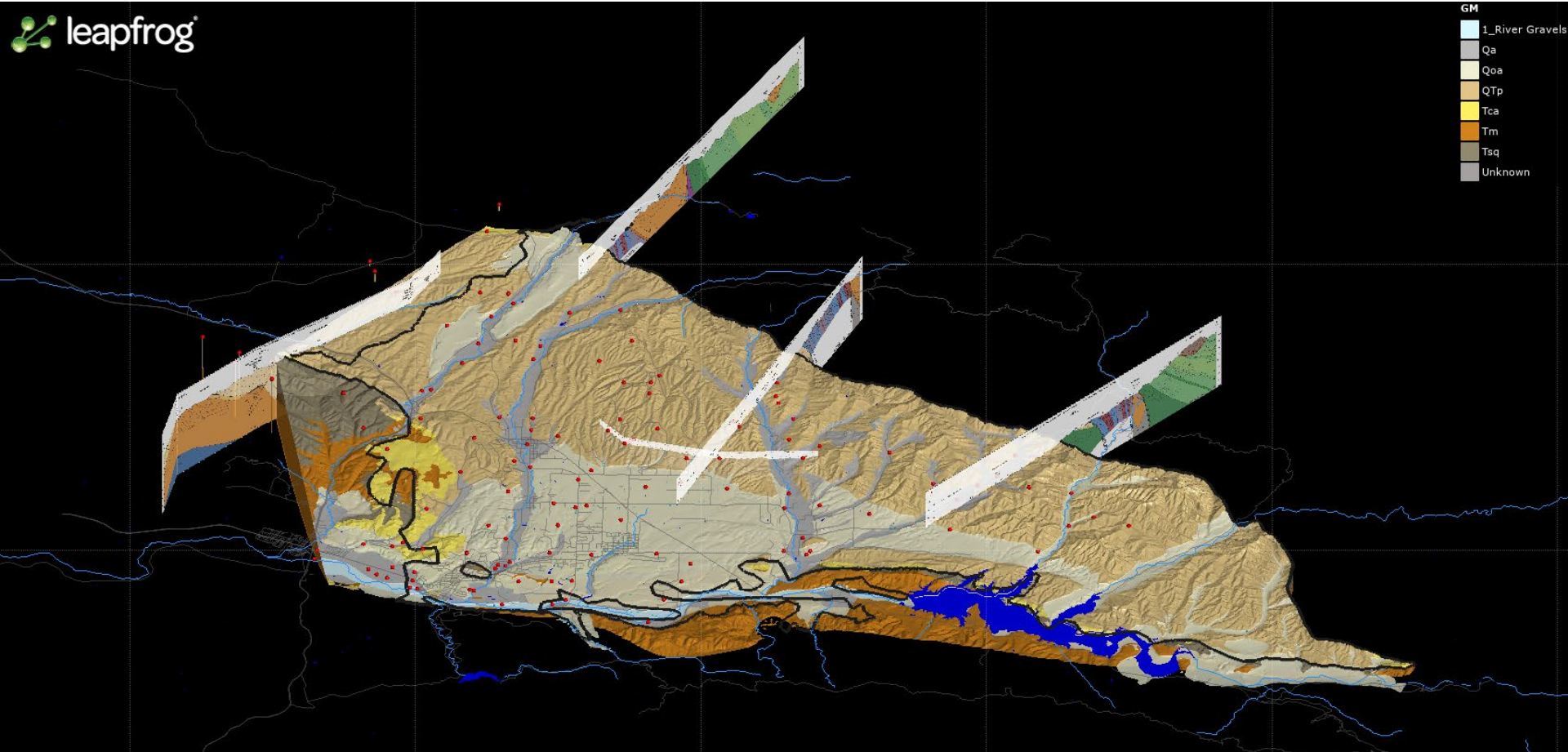
Santa Ynez River Valley Groundwater Basin
Eastern Management Area
Groundwater Sustainability Agency

Hydrogeologic Conceptual Model Development





Santa Ynez River Valley Groundwater Basin



- GM
- 1_River Gravels
 - Qa
 - Qoa
 - QTP
 - Tca
 - Tm
 - Tsq
 - Unknown

Hydrogeologic Model

Alluvium

Paso Robles Formation

Careaga Sandstone

ORIGINAL
File with DWR
 Page 1 of 1
 Owner's Well No. 3
 Date Work Began 7/24/00 Ended 7/28/00
 Local Permit Agency SB County Environmental Health
 Permit No. 0101823 Permit Date 7/13/00

STATE OF CALIFORNIA
WELL COMPLETION REPORT
 Refer to Instruction Pamphlets
 No. 538882

DWR USE ONLY - DO NOT FILL IN
 STATE WELL NO./STATION NO.
 LATITUDE LONGITUDE
 APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (°) — VERTICAL — HORIZONTAL — ANGLE — (SPECIFY)
 DEPTH TO FIRST WATER (FL) BELOW SURFACE

DEPTH FROM SURFACE		DESCRIPTION	
Fl.	To Fl.	Describe material, grain size, color, etc.	
0	35	Gravel Formation	
35	50	Brown Clay, Small Gravel With Brown Sand	
50	72	Fine Brown Sand With Some Gravel	
72	164	Brown Clay, Large Gravel With Brown Sand	
164	179	Brown Clay, Some Light Brown Sand	
179	228	Brown Clay, Some Large Gravel	
228	263	Brown Clay, Brown Sand, Some Small Gravel	
263	275	Small Gravel, Brown Sand, Streaks Of Brown Clay	
275	290	Large Gravel, Brown Sand, Some Brown Clay	
290	366	Brown Clay And Some Brown Sand	
366	398	Large Gravel, Fine Brown Sand, Very Little Brown Clay	
398	408	Gray Clay And Fine Brown Sand	
408	481	White Clay With Some Fine Sand	

WELL LOCATION
 Address 1501 Fredensborg Canyon
 City Solvang
 County Santa Barbara
 APN Book Page Parcel 137-081-22
 Township 6N Range 31W Section 3
 Latitude DEG. MIN. SEC. Longitude DEG. MIN. SEC. WEST

LOCATION SKETCH (See Attached)

ACTIVITY (°)
 NEW WELL
 MODIFICATION/REPAIR
 — Deepen
 — Other (Specify)
 DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
 PLANNED USE(S) (°)
 — MONITORING
 WATER SUPPLY
 Domestic
 Public
 Irrigation
 Industrial
 "TEST WELL"
 CATHODIC PROTECTION
 OTHER (Specify)

— SOUTH
 Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc.
PLEASE BE ACCURATE & COMPLETE.

DRILLING METHOD Mud Rotary FLUID Bentonite
 WATER LEVEL & YIELD OF COMPLETED WELL
 DEPTH OF STATIC WATER LEVEL 188 (Fl.) & DATE MEASURED 8/03/00
 ESTIMATED YIELD 140 (GPM) & TEST TYPE 12 Hr. Cont
 TEST LENGTH 12 (Hrs) TOTAL DRAWDOWN 63 (Fl.)
 * May not be representative of a well's long-term yield.

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING(S)				SLOT SIZE IF ANY (Inches)	ANNULAR MATERIAL				
Fl.	To Fl.		TYPE (°)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS		DEPTH FROM SURFACE	TYPE	CE-MENT (°)	BEN-TOHITE (°)	FILL (°)
0	295	15	X	PVC	8	.410	0	50	X			6-Sack Cement
295	375	15	X	PVC	8	.410						
375	380	15	X	PVC	8	.410						

ATTACHMENTS (°)
 Geologic Log
 Well Construction Diagram
 Geophysical Logs
 Soil/Water Chemical Analyses
 Other

CERTIFICATION STATEMENT
 I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
 NAME Floyd V. Wells, Inc
 (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
 ADDRESS 1337 W. Betteravia Santa Maria CA 93455
 CITY STATE ZIP
 Signed Charles C. Wells DATE SIGNED 08-17-00 C57 LICENSE NUMBER C57-229570
 WELL DRILLER/AUTHORIZED REPRESENTATIVE

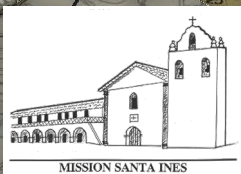
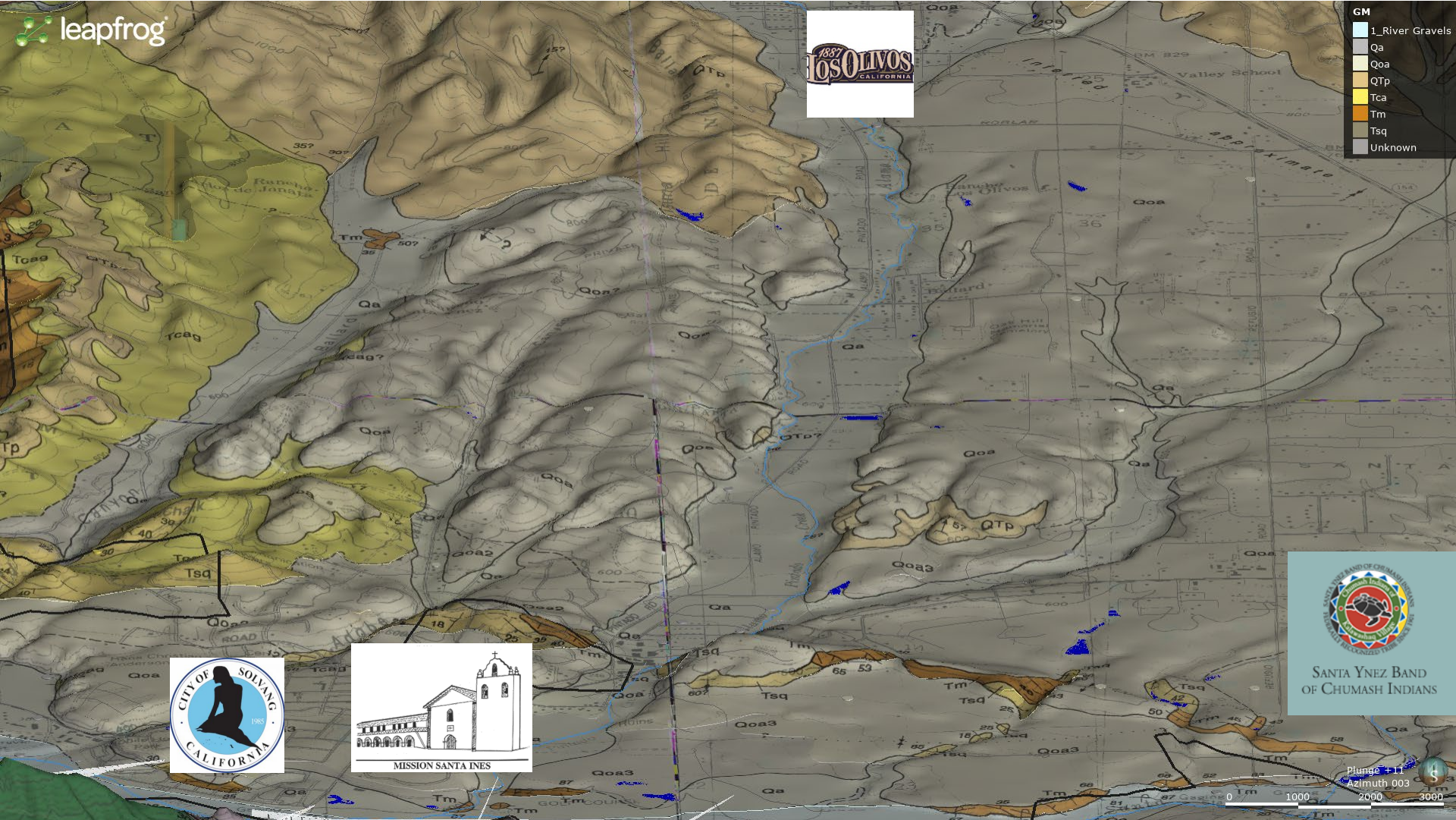
DWR 188 REV. 7-90 IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Example Well Log





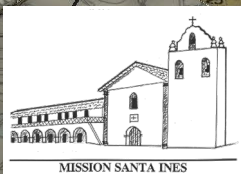
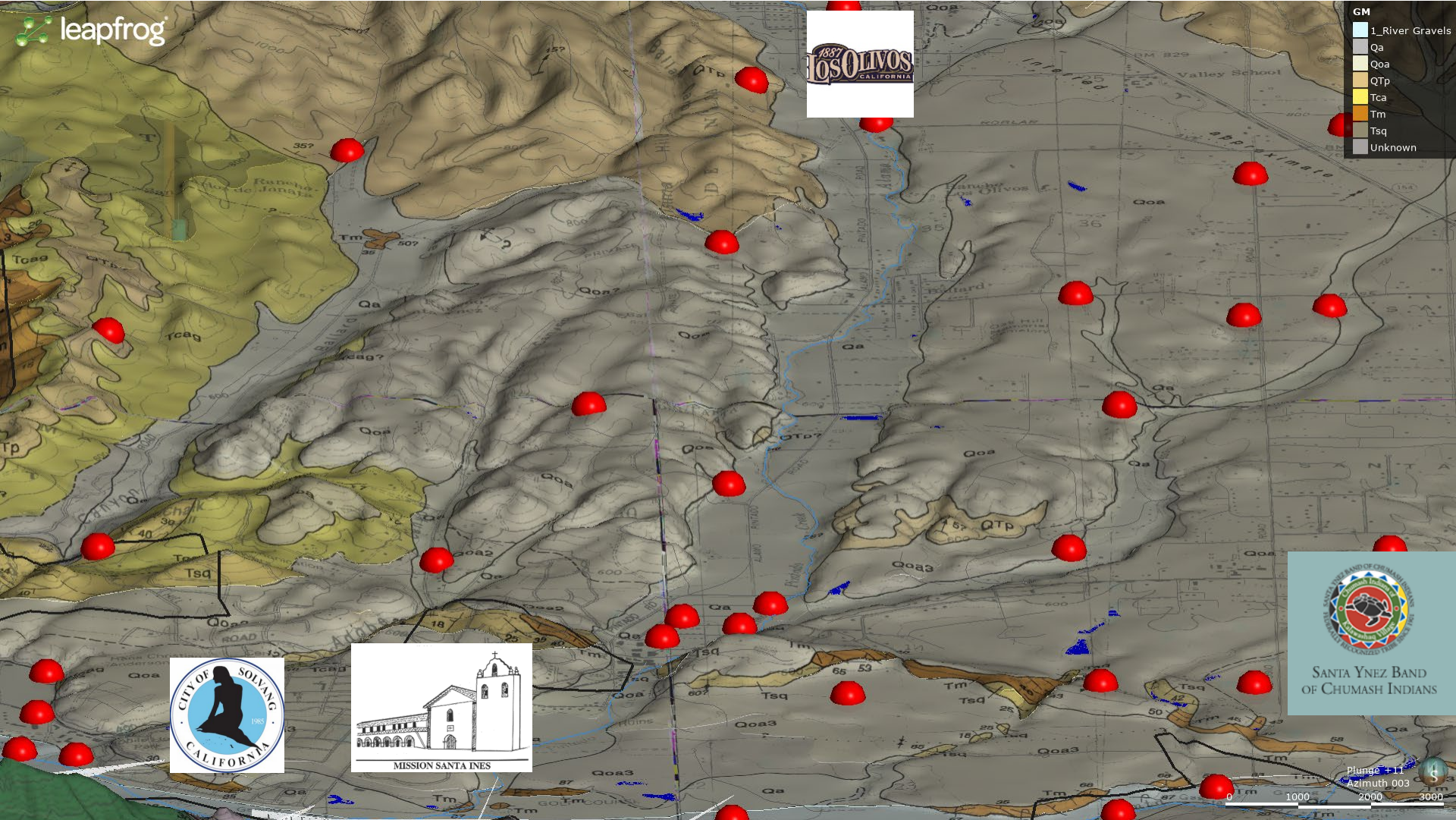
GM	Description
1	River Gravels
Qa	Qa
Qoa	Qoa
QTp	QTp
Tca	Tca
Tm	Tm
Tsq	Tsq
	Unknown



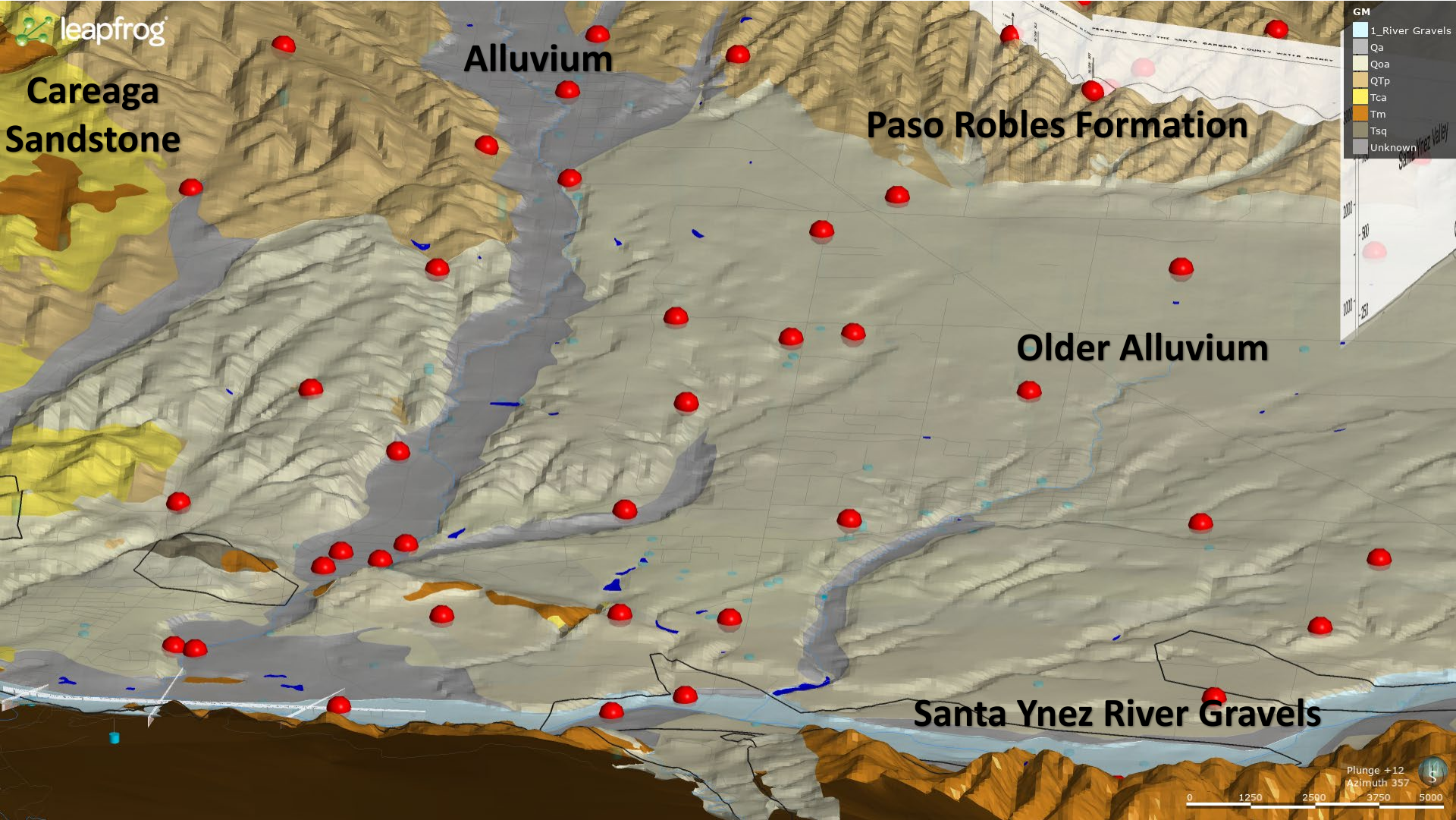
Geologic Map Detail



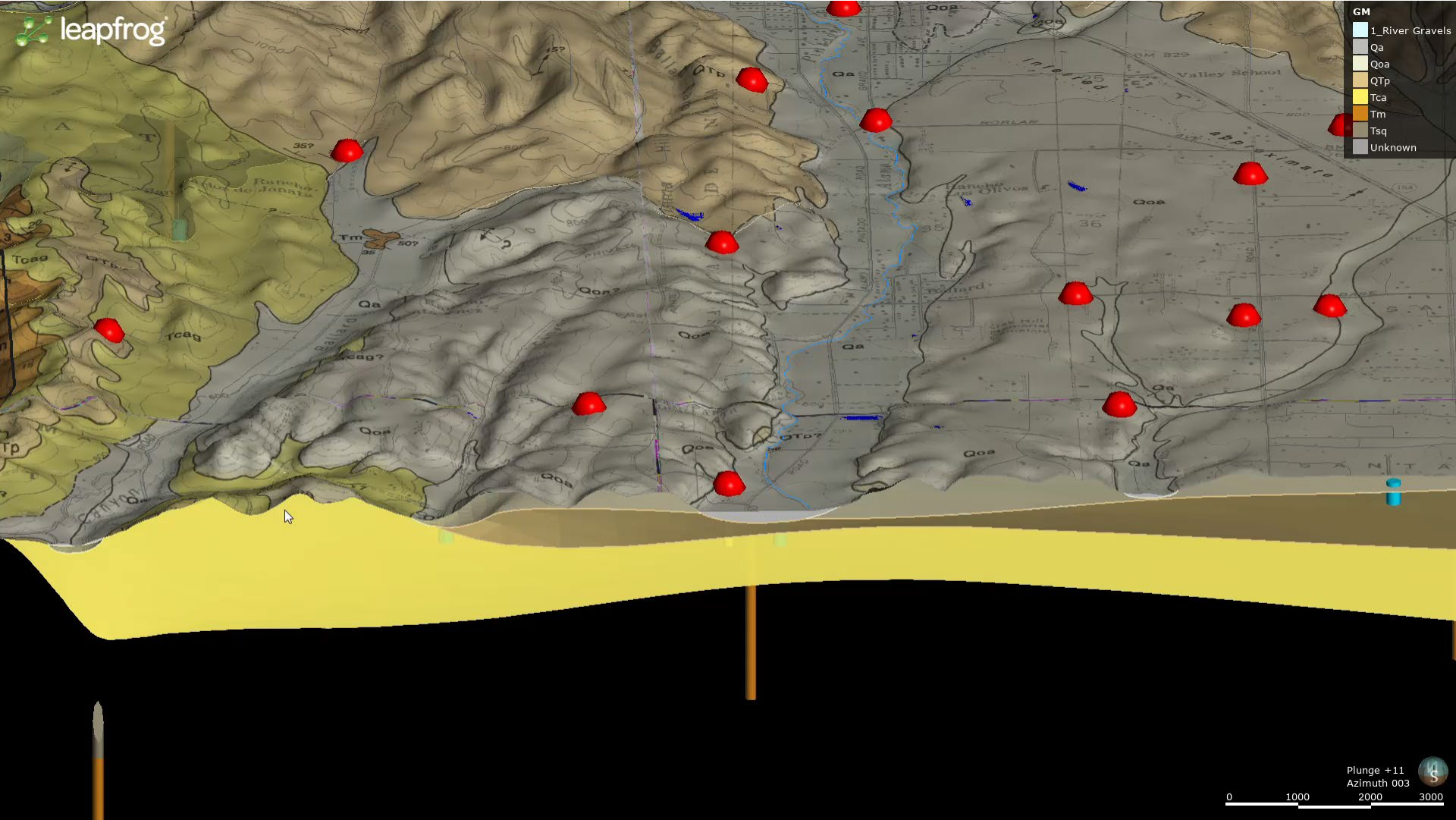
GM	Description
Light Blue	1_River Gravels
White	Qa
Light Green	Qoa
Yellow	QTp
Orange	Tca
Dark Orange	Tm
Light Purple	Tsq
Grey	Unknown



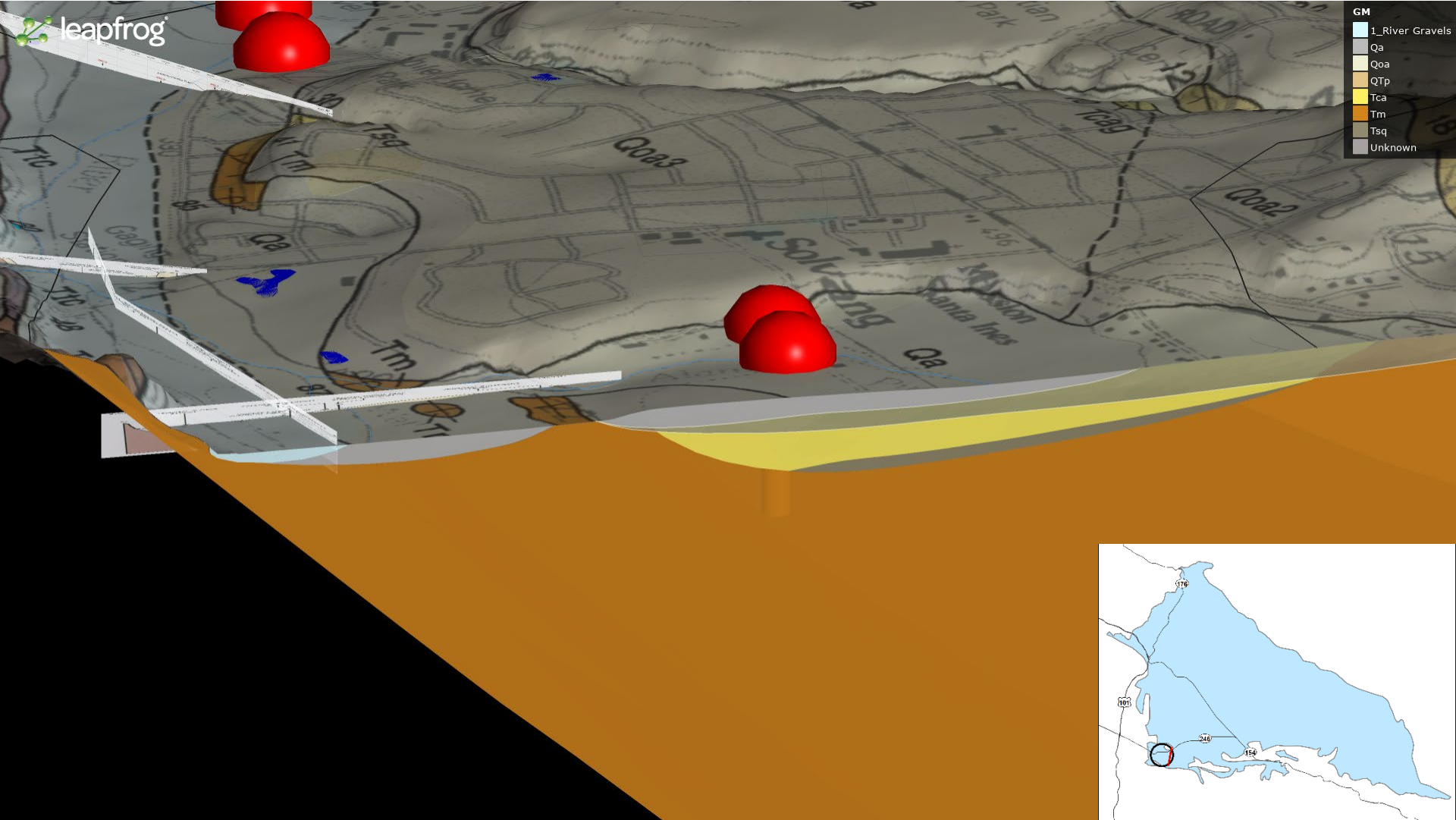
Selected Well Logs



Principal Aquifers

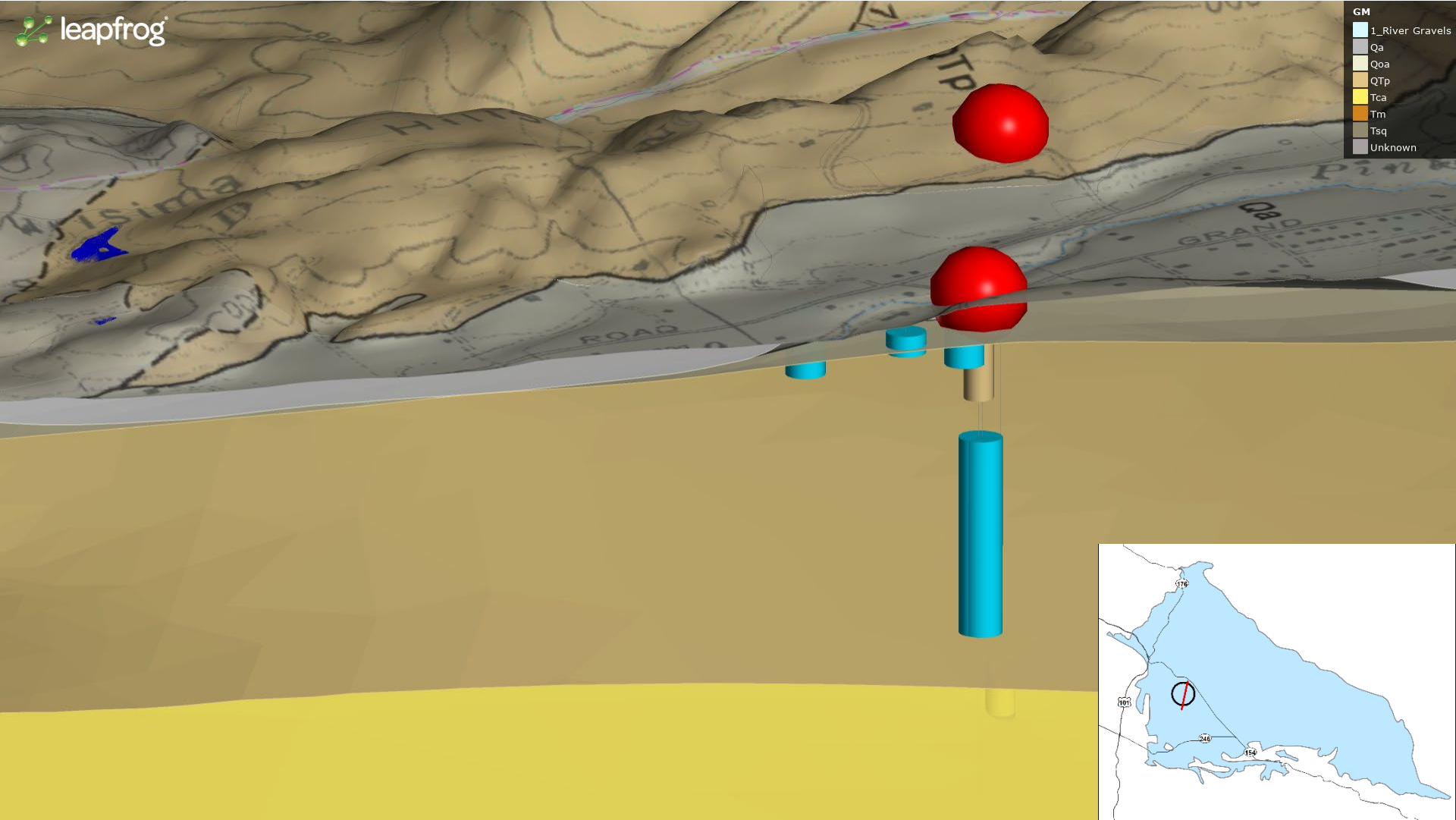


Animation of model

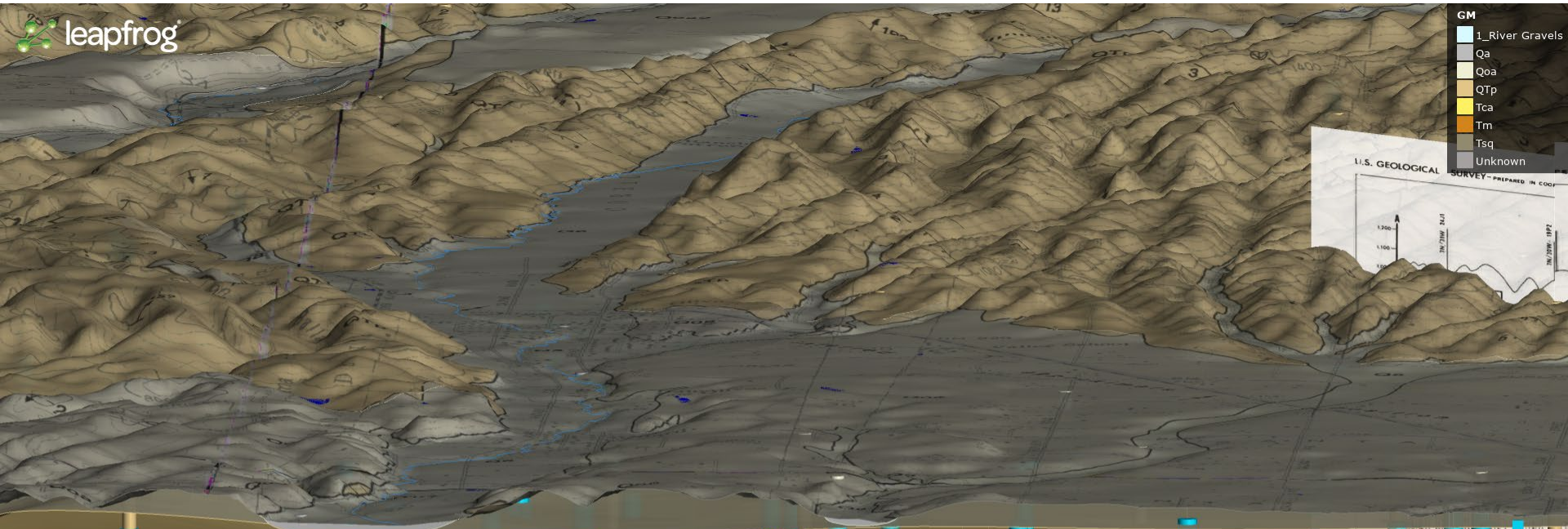


Shallow Bedrock under Santa Ynez River

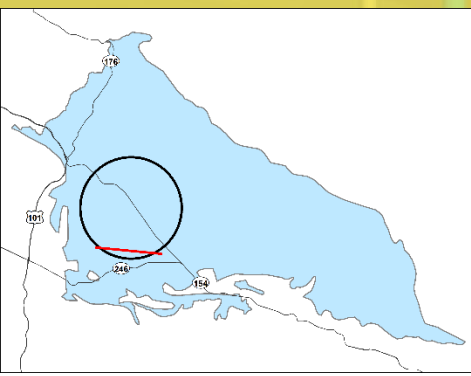
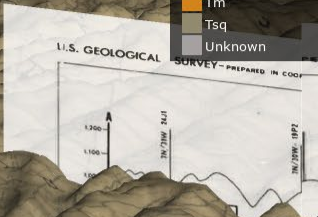




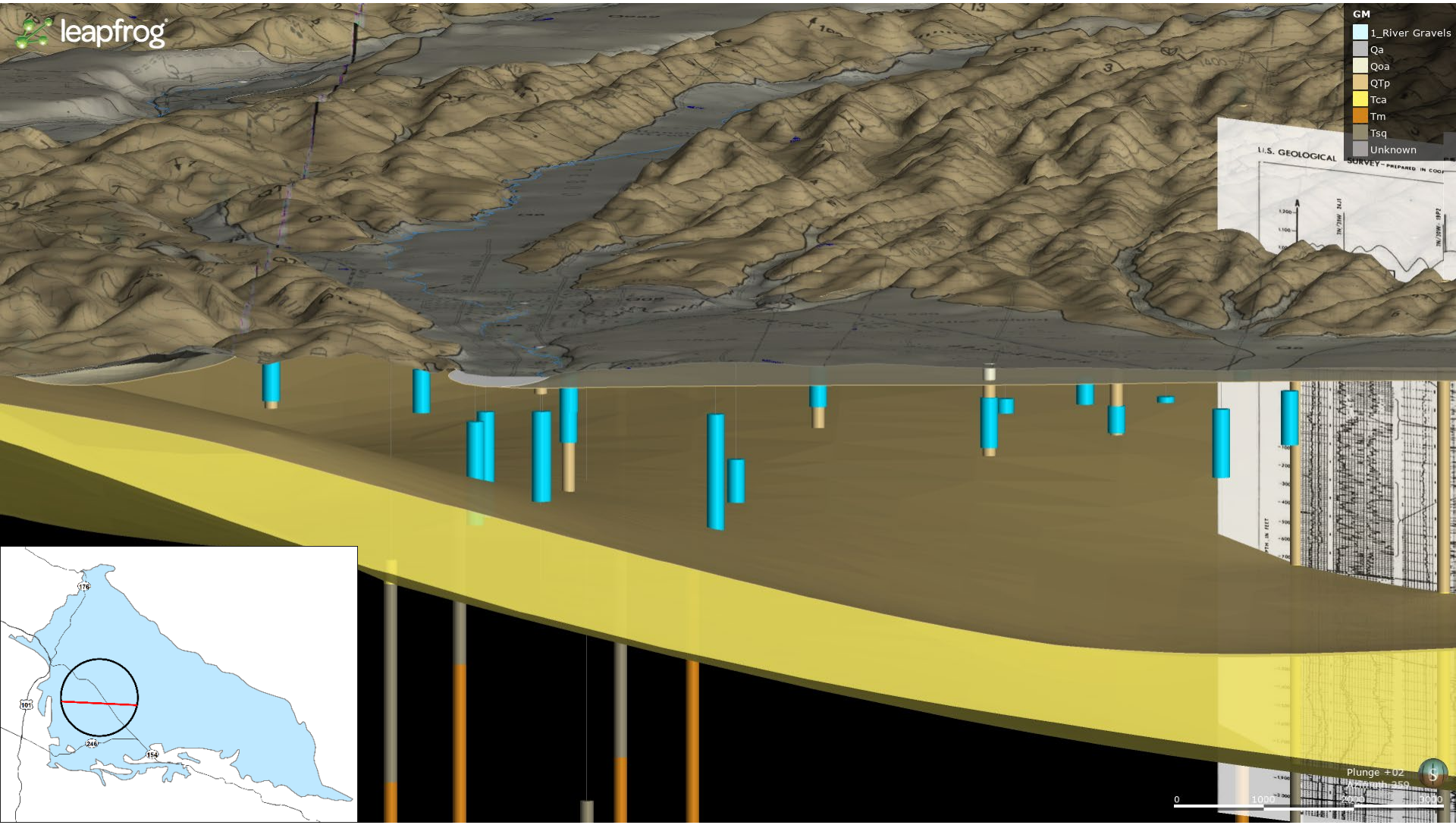
Deep Aquifer near Los Olivos



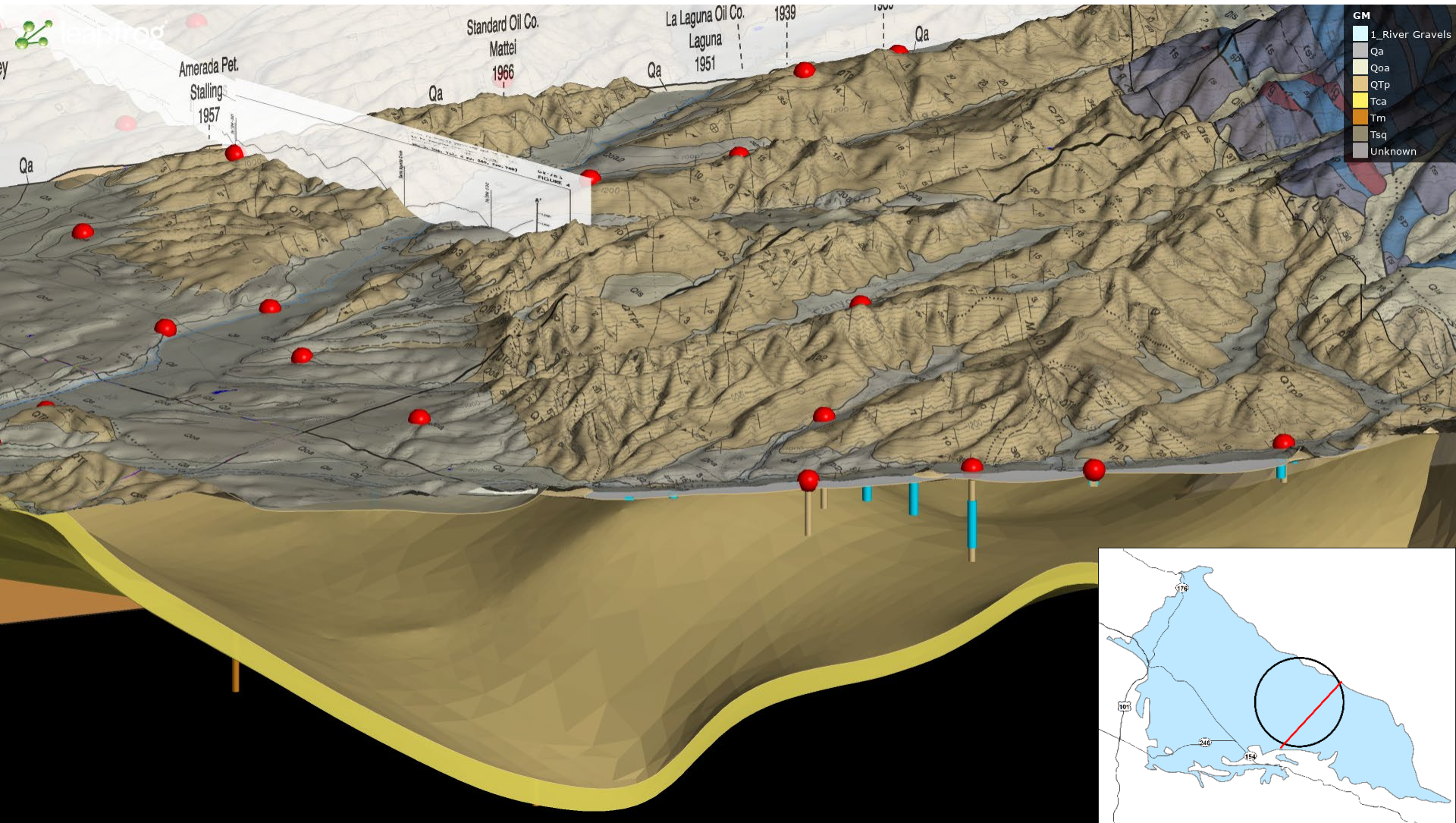
- GM
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Santa Ynez

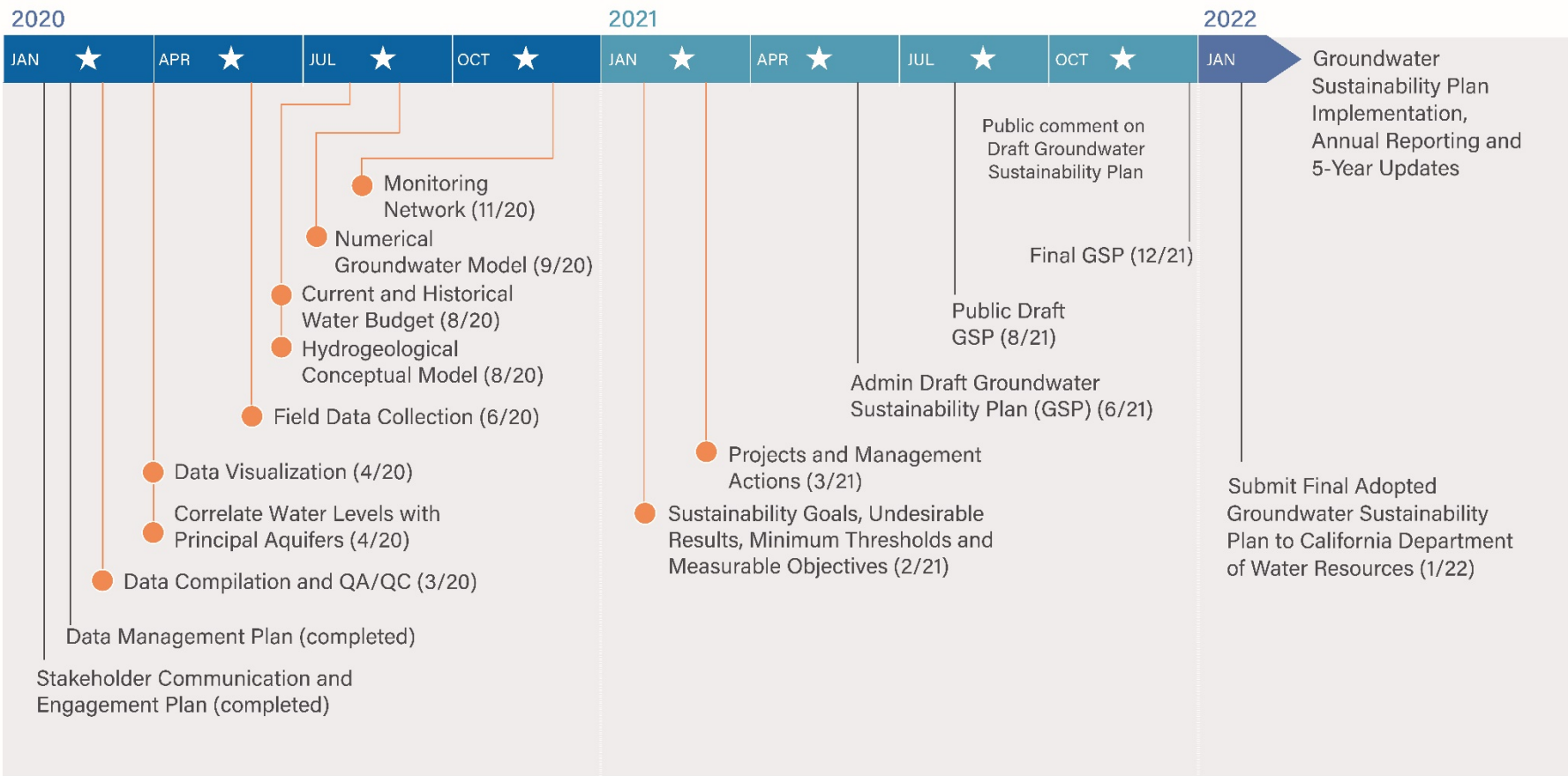


Ballard



Happy Canyon

GROUNDWATER SUSTAINABILITY PLAN DEVELOPMENT MILESTONES



★ Groundwater Sustainability Agency Committee Public Meeting ● Technical Memorandum