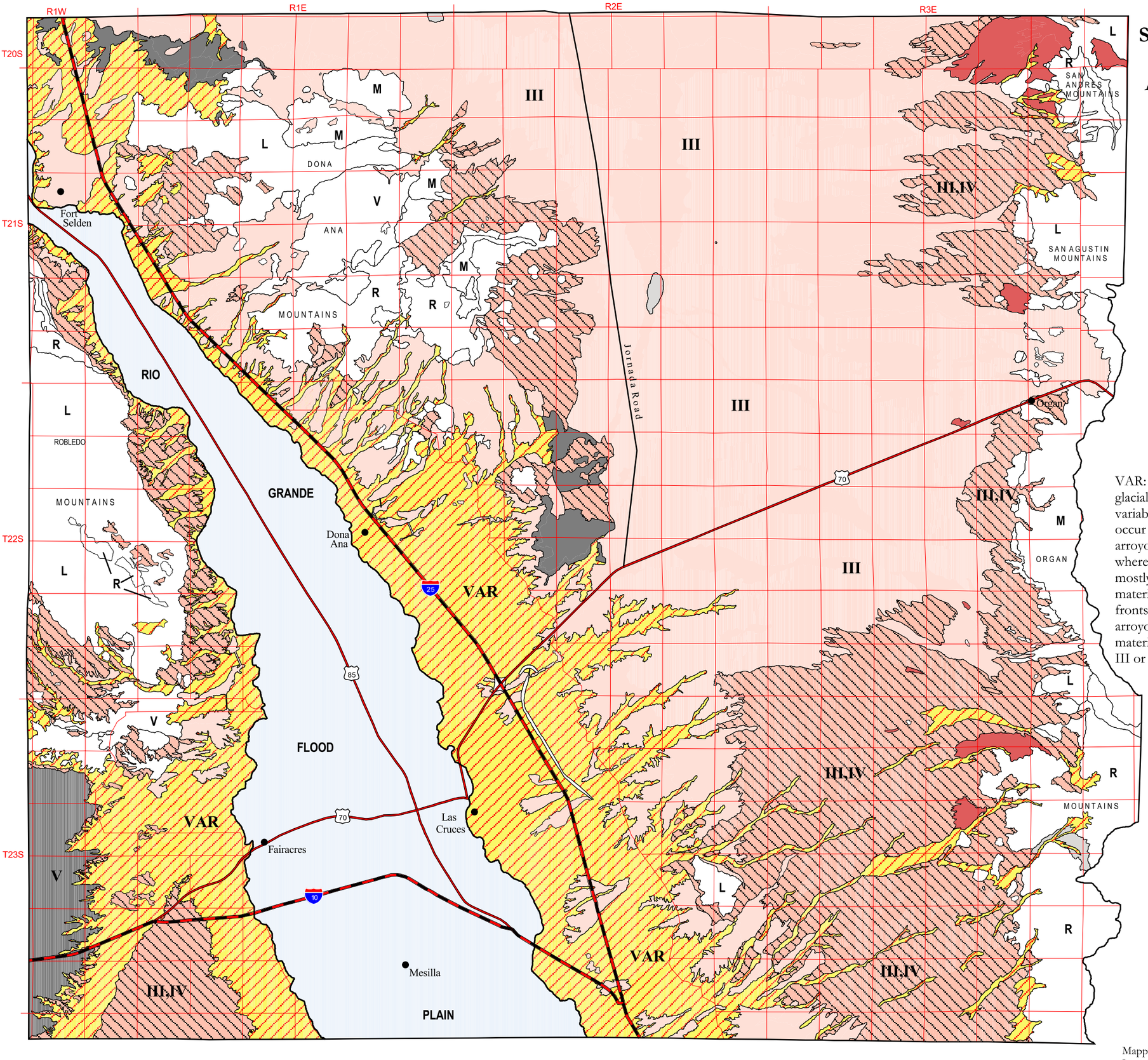
Color Map 11
SOIL-GEOMORPHIC RECONSTRUCTION: THE STAGES OF CARBONATE ACCUMULATION AT THE END OF THE LAST PLEISTOCENE FULL-GLACIAL, 17,000 YEARS AGO



III Carbonate nodules and/or fillings occupy at least 90% of the horizon, which is plugged in the last part of the stage (86,335- 47)

IV Laminae have formed atop the plugged horizon (2,190 - 1)

V Laminae and pisoliths occur atop the plugged horizon (6,048 - 3)

Map Units With No or More Than One Stage

III,IV (45,370 - 25)

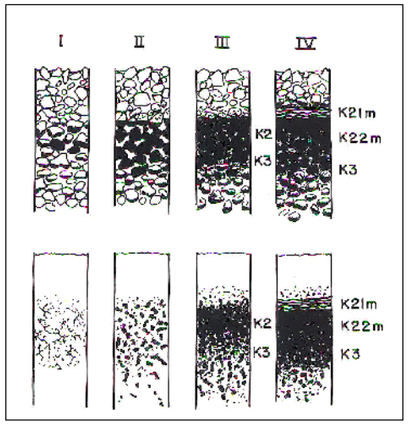
None (310 - <1)

VAR (43,787 - 24)

Numbers in parentheses are acres and percentages respectively

VAR: materials buried by post-glacial sedimentation are highly variable in some areas, and occur as erosion surfaces and arroyos along the valley borders, where the materials consist mostly of sandy C horizon material. Along the mountain fronts, materials in and along arroyos range from C horizon materials to soils with stage III or IV carbonate.

Morphogenetic Sequences



Carbonate accumulates in two morphogenetic sequences, one in non-gravelly materials and the other in gravelly materials. Morphologies are best expressed where"nongravelly" materials contain less than about 20% by volume of gravel, and "gravelly" materials contain more than about 60% by volume of gravel. Materials that have between 20% and 60% by volume of gravel have intermediate morphologies. See stages of carbonate accumulation in legend. Stage V not shown in diagram above.

Bedrock Areas

- L Sedimentary
- M Intermediate Intrusive
- R Rhyolite
- V Volcanic (undiff.)

Includes areas of soils classified at the great group level and above. Small bedrock areas not designated (see detailed map in Volume III).

N

1 0 1 2 3 Miles

1 0 1 2 3 4 5 6 Kilometers

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