

Figure 4.—Approximate areal distribution of clay- and silt-size particles in the Upper Tinaja beds in Avra Valley.

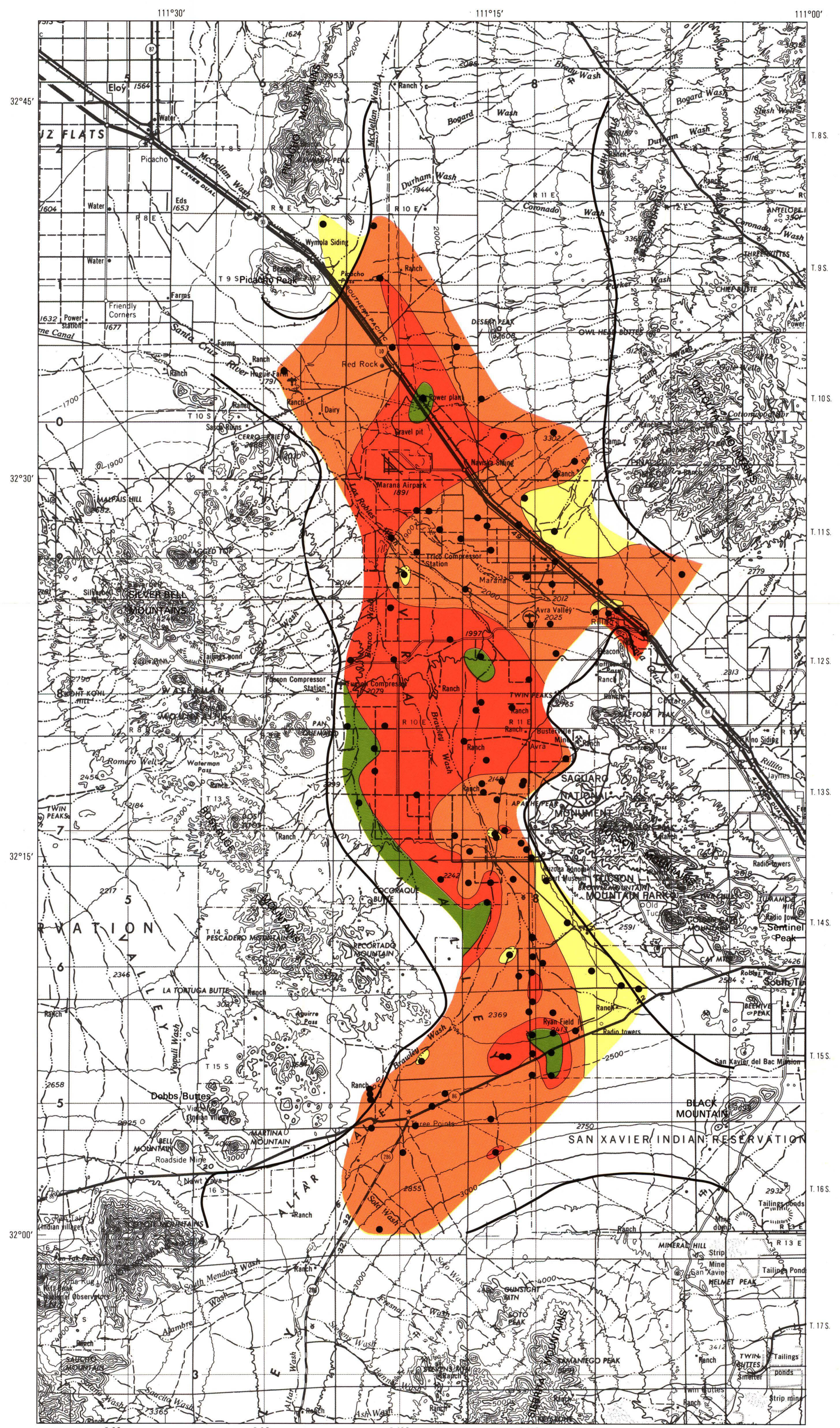
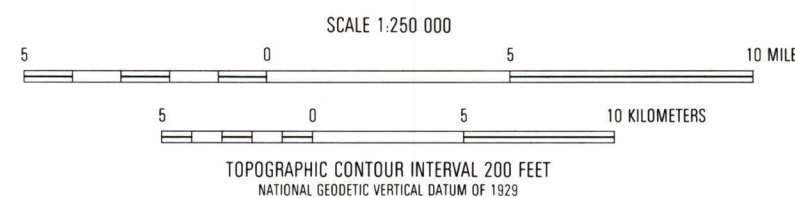


Figure 5.—Approximate areal distribution of clay- and silt-size particles in the Fort Lowell Formation in Avra Valley.



EXPLANATION
Percent clay and silt, upper Tinaja beds—Approximate areal distribution of clay- and silt-size particles with diameters of less than 0.0625 millimeters from wells that partially or fully penetrate the upper Tinaja beds

Yellow	Less than 20
Orange	20 to 40
Red	40 to 60
Green	60 to 80

● Well from which grain-size analysis was available—Analyses by U.S. Geological Survey, City of Tucson, and University of Arizona

— Boundary of aquifer

EXPLANATION
Percent clay and silt, Fort Lowell Formation—Approximate areal distribution of clay- and silt-size particles with diameters of less than 0.0625 millimeters from wells that partially or fully penetrate the Fort Lowell Formation

Yellow	Less than 20
Orange	20 to 40
Red	40 to 60
Green	60 to 80

● Well from which grain-size analysis was available—Analyses by U.S. Geological Survey, City of Tucson, and University of Arizona

— Boundary of aquifer

POTENTIAL FOR AQUIFER COMPACTION, LAND SUBSIDENCE, AND EARTH FISSURES IN AVRA VALLEY, PIMA AND PINAL COUNTIES, ARIZONA

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