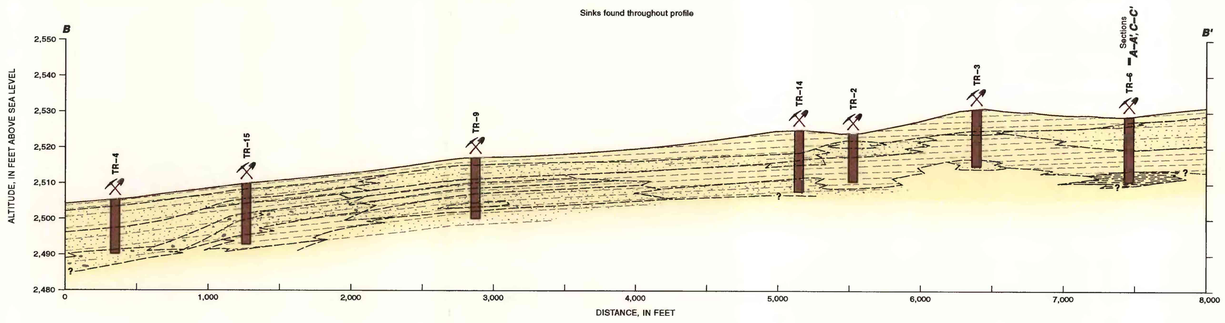
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

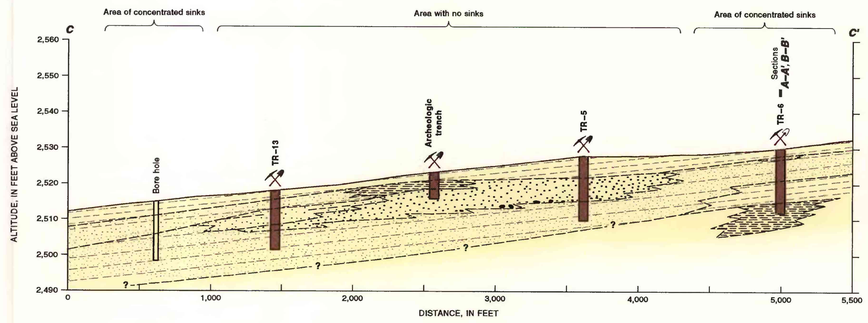
PREPARED IN COOPERATION WITH THE
BUREAU OF RECLAMATION
and the
TOHONO O'ODHAM NATION

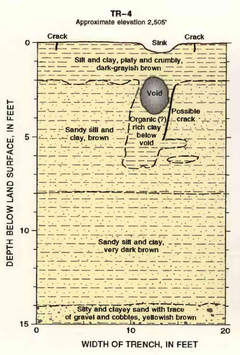
OPEN-FILE REPORT 97—19

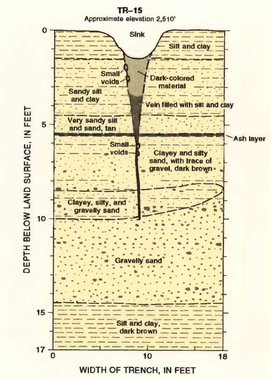
John P. Hoffmann, Donald R. Pool, A.D. Konieczki, and Michael C. Carpenter, 1997, Investigation of the causes of sinks in the San Xavier District, Tohono O'odham Nation, Pima County, Arizona

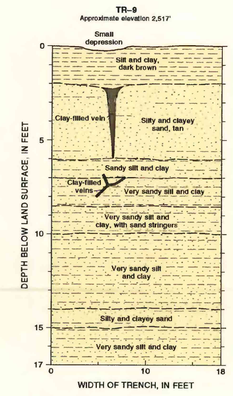
Sheet 2 of 2

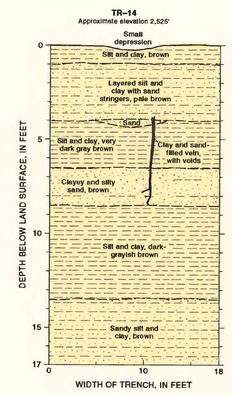


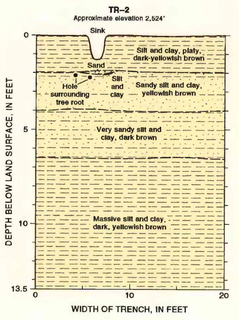


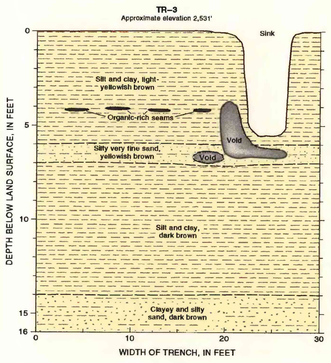


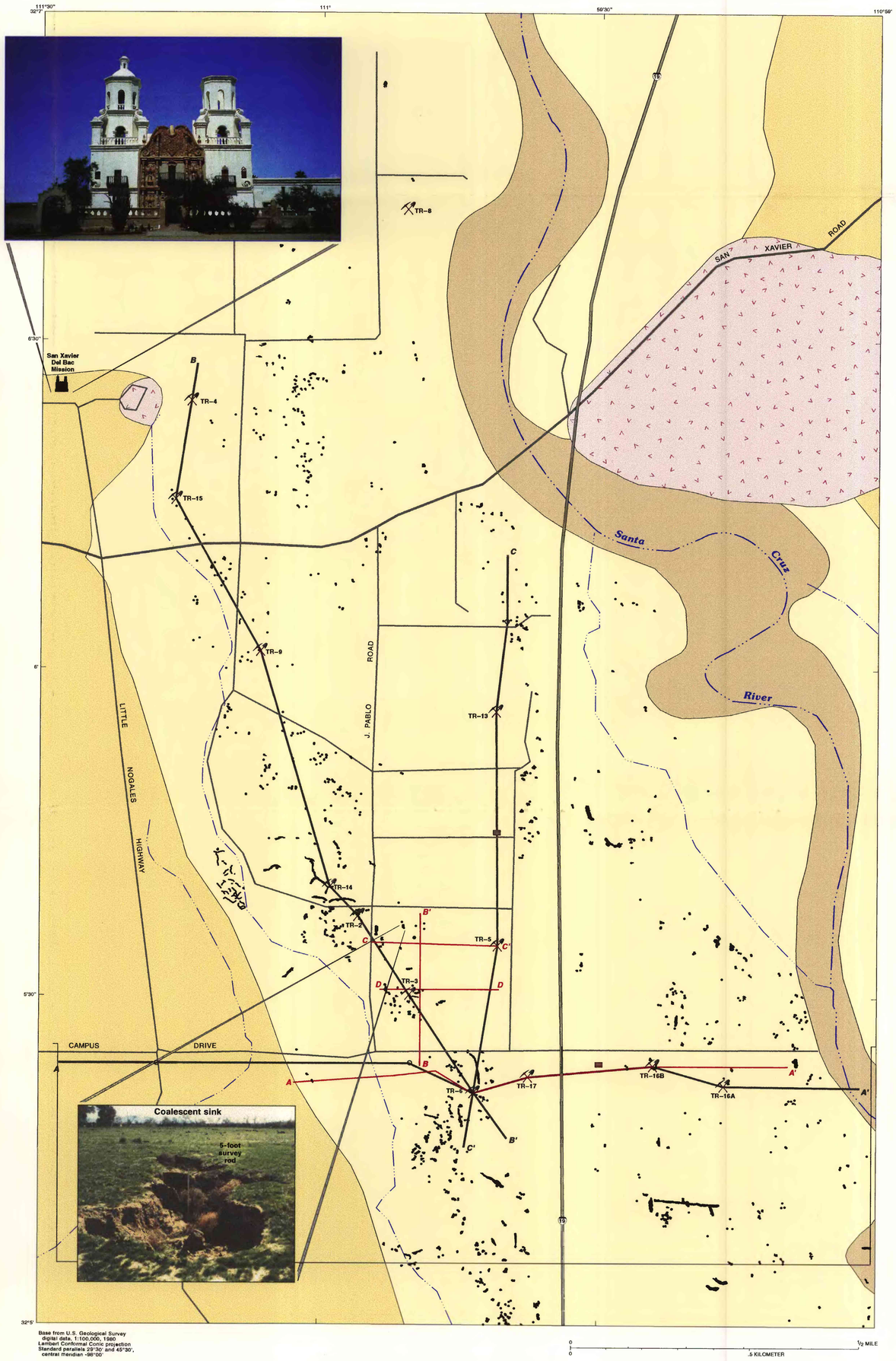


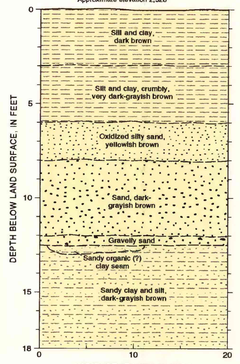


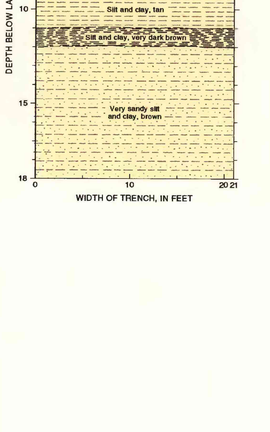


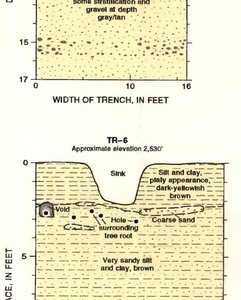


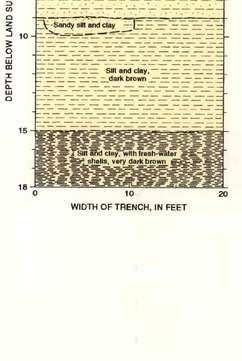


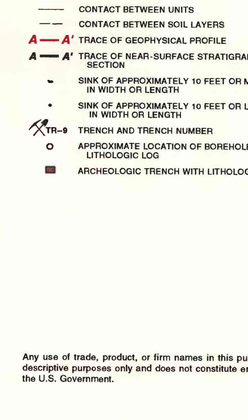


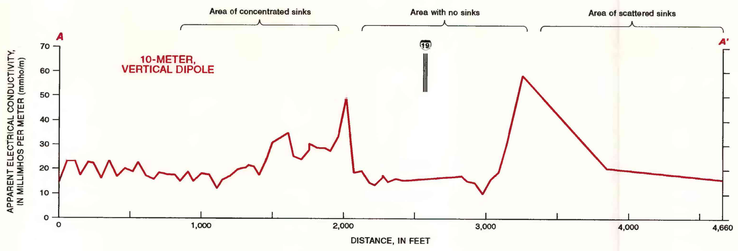


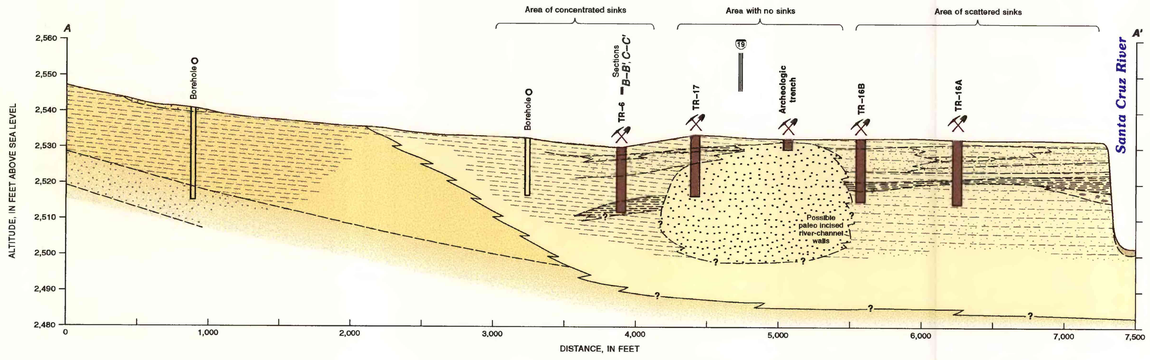












EXPLANATION

- STREAM-CHANNEL DEPOSITS
- ALLUVIAL DEPOSIT ON FLOOD PLAIN OF SANTA CRUZ RIVER
- TERRACE AND STREAM-CHANNEL DEPOSITS AND OLDER ALLUVIUM
- VOLCANIC ROCKS
- CONTACT BETWEEN UNITS
- CONTACT BETWEEN SOIL LAYERS
- A—A' TRACE OF GEOPHYSICAL PROFILE
- A—A' TRACE OF NEAR-SURFACE STRATIGRAPHIC SECTION
- SINK OF APPROXIMATELY 10 FEET OR MORE IN WIDTH OR LENGTH
- SINK OF APPROXIMATELY 10 FEET OR LESS IN WIDTH OR LENGTH
- TR-9 TRENCH AND TRENCH NUMBER
- APPROXIMATE LOCATION OF BOREHOLE WITH LITHOLOGIC LOG
- ARCHEOLOGIC TRENCH WITH LITHOLOGIC LOG

Any use of trade, product, or firm names in this publication is for descriptive purposes only and does not constitute endorsement by the U.S. Government.

For additional information write to:

District Chief
U.S. Geological Survey, WRD
520 N. Park Avenue
Tucson, Arizona 85719

INVESTIGATION OF THE CAUSES OF SINKS IN THE SAN XAVIER DISTRICT, TOHONO O'ODHAM NATION, PIMA COUNTY ARIZONA

By John P. Hoffmann, Donald R. Pool, A.D. Konieczki, and Michael C. Carpenter

1997