

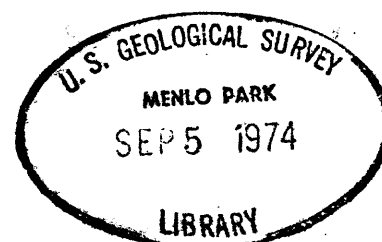
(200)
R295
no. 74-90

U.S. GEOLOGICAL SURVEY.
[REPORTS - OPEN FILE SERIES]

74-90

This openfile package contains experimental, working materials developed for a test site in southern Arizona, specifically the Ajo quadrangle of the standard 1:250,000-scale series of maps. The land use information in this package was primarily derived from 1971 high-altitude aerial photography. The experimental map is computer-plotted with polygons representative of land use patterns; ten acres is the minimum size of actual land use depicted on the map by the polygons. Accuracy for the land use map has been verified by field checking to be higher than 95% in both urban and agricultural areas. Land use patterns were delineated according to the classification system proposed by USGS Circular 671. In addition to the land use map, a transparent composite overlay of the black, gray, and red plates for the quadrangle is supplied to satisfy locational information.

Along with the chosen map output of land use, the computer data bank and this package contain other factors which include: drainage basin, census tract, and soil information, which were obtained from other agencies. The analyses of these factors are contained in computer-calculated compilations called area summaries. Summaries for each of the specific factors tabulate the total polygon areas of various types of categories delineated within each factor. The calculation figures show the occupied land area in acres, hectares, and percentage for each category in the quadrangle; the area summaries are provided for each factor. Listed on each respective area summary is an explanation of the code symbols representing each category within the different factors.



DRAINAGE BASINS

AJO

QUAD

74-90

AREA SUMMARIES FOR MAP ~~500-1000~~ OF DRAINAGE BASINS

DRAINAGE BASINS

	ACRES	HECTARES	
5913*	660761.937	267400.812	13.496
5914	766773.625	310302.250	15.661
5915	1060838.00	429305.875	21.667
5916	813048.375	329028.937	16.606
5918	464093.500	187811.937	9.479
5919	432589.312	175062.625	8.836
6008	508365.125	205728.000	10.383
6009	189519.500	76695.812	3.871

TOTAL 4895985.00 1981334.00

* ~~500-1000~~

5913	QUILTESA WASH DRAINAGE BASIN
5914	MIDWAY WASH DRAINAGE BASIN
5915	SAN CRISTOBAL WASH DRAINAGE BASIN
5916	GILA RIVER DRAINAGE BASIN
5918	VAMERI WASH DRAINAGE BASIN
6008	SANTA ROSA WASH DRAINAGE BASIN
6009	SANTA CRUZ RIVER DRAINAGE BASIN
5919	MCHAWK WASH DRAINAGE BASIN

ORIGINAL MAP FROM:

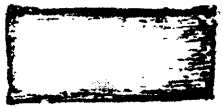
THE WATER RESOURCES DIVISION,
GEOLOGICAL SURVEY, USDI.

	ACRES	HECTARES	
4200	3458602.00	1399646.00	67.161
4211	473443.375	191595.687	9.194
4213	463469.375	187559.375	9.000
4215	106773.312	43209.621	2.073
4216	94289.812	38157.730	1.831
4217	39004.680	15784.633	0.757
4218	257890.562	104364.562	5.008
4221	151522.875	61319.125	2.942
4222	13069.945	5289.219	0.254
4224	30065.176	12166.941	0.584
4225	61624.625	24938.598	1.197

AJC
GUAD
74-90

TOTAL 5149729.00 2084021.00

JS



SOILS - AJO

MARICOPA COUNTY

- 4200 UNMAPPED AREA: DATA NOT AVAILABLE (LAND AREA IN GUAD BUT OUTSIDE MARICOPA AND PINAL COUNTIES)
- 4211 TYPIC TORRIFLUENTS
- 4213 TYPIC CALCICORTHIDS
- 4215 LITHIC TORRIORTHENTS
- 4216 SHALLOW SOILS OVER UNWEATHERED AND/OR WEATHERED BEDROCK
- 4217 SHALLOW AND MODERATELY DEEP SOILS OVER GEOLOGIC MATERIALS
- 4218 STONY AND ROCKY MOUNTAINOUS LAND

PINAL COUNTY

- 4221 SOILS OF THE FLOOD PLAINS
- 4222 SOILS OF THE VALLEY SLOPES
- 4224 LIMY SOILS ON VALLEY SLOPES AND HIGH FANS
- 4225 ROCK LAND

ORIGINAL MAP FROM:

THE SOIL CONSERVATION SERVICE,
USDA.

CENSUS TRACTS

AJO

QUAD

74-9C

AREA SUMMARIES FOR MAP ~~XXXXXX~~ OF CENSUS TRACTS

CENSUS TRACTS		ACRES	HECTARES	
Pima	47	100	847134.812	342823.250
	50	200	1018.908	412.337
Cc.	48	300	887371.562	359106.500
OTHER CO'S	400	3157233.00	1277686.00	

17.314
0.021
18.136
64.529

TOTAL 4892758.00 1980028.00

ORIGINAL MAP FROM:

THE BUREAU OF THE CENSUS.

US DEPT. OF COMMERCE.

CENSUS OF POPULATION 1970.

Experimental Tabulation from the USGS Data Bank for Land Use and
Related Factors.

Land-Use Classification System for Use With Remote Sensor Data

Level I

Level II

01. Urban and Built-up Land.

- 01. Residential.
- 02. Commercial and services.
- 03. Industrial.
- 04. Extractive.
- 05. Transportation, Communications, and Utilities.
- 06. Institutional.
- 07. Strip and Clustered Settlement.
- 08. Mixed.
- 09. Open and Other.

02. Agricultural Land.

- 01. Cropland and Pasture.
- 02. Orchards, Groves, Bush Fruits, Vineyards, and Horticultural Areas.
- 03. Feeding Operations.
- 04. Other.

03. Rangeland.

- 01. Grass.
- 02. Savannas (Palmetto Prairies).
- 03. Chaparral.
- 04. Desert Shrub.

04. Forest Land.

- 01. Deciduous.
- 02. Evergreen (Coniferous and Other).
- 03. Mixed.

05. Water.

- 01. Streams and Waterways.
- 02. Lakes.
- 03. Reservoirs.
- 04. Bays and Estuaries.
- 05. Other.

06. Nonforested Wetland.

- 01. Vegetated.
- 02. Bare.

07. Barren Land.

- 01. Salt Flats.
- 02. Beaches.
- 03. Sand Other Than Beaches.
- 04. Bare Exposed Rock.
- 05. Other.

08. Tundra.

- 01. Tundra.

09. Permanent Snow and Icefields.

- 01. Permanent Snow and Icefields.

From: US65 CIRCULAR 671

11*	1364.356	552.135	0.003
13	155.636	62.984	0.071
14	3499.522	1416.206	0.015
15	737.229	298.346	0.079
16	3880.142	1570.238	0.032
17	1556.958	630.078	0.026
18	1293.912	523.627	0.002
19	78.217	31.653	2.645
21	129488.812	52402.258	0.010
23	467.107	189.032	96.659
34	4732957.00	1915359.00	0.430
72	21052.125	8519.488	

TOTAL

4896530.00 1981555.00



LAND USE - AJO

LEFT DIGIT REFERS TO LEVEL I;
 RIGHT DIGIT TO LEVEL II.
 SEE ATTACHED CLASSIFICATION SYSTEM.

Experimental Tabulation from the USGS Data Bank for Land Use and
 Related Factors.

U.S. GEOLOGICAL SURVEY

WATER RESOURCES DIVISION
BULLETIN 1450-A
WASHINGTON, D.C. 20506



EXPERIMENTAL PLOT



- 1. 1:250,000 scale map
- 2. 1:50,000 scale map
- 3. 1:25,000 scale map
- 4. 1:12,500 scale map
- 5. 1:6,250 scale map
- 6. 1:3,125 scale map
- 7. 1:1,562 scale map
- 8. 1:781 scale map
- 9. 1:390 scale map
- 10. 1:195 scale map
- 11. 1:97 scale map
- 12. 1:48 scale map
- 13. 1:24 scale map
- 14. 1:12 scale map
- 15. 1:6 scale map
- 16. 1:3 scale map
- 17. 1:1 scale map
- 18. 1:0.5 scale map
- 19. 1:0.25 scale map
- 20. 1:0.125 scale map
- 21. 1:0.0625 scale map
- 22. 1:0.03125 scale map
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Source: U.S. Geological Survey
Map showing the location of the plot.

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