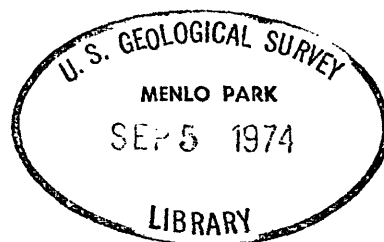


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no. 74-89

This open file package contains experimental, working materials developed for a test site in southern Arizona, specifically the Tucson 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 further 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, land ownership, 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 the 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; 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.



Area Summaries for Tucson Quadrangle (1:250,000)

<u>Land Use</u>	<u>Acres</u>	<u>Hectares</u>	<u>%</u>
11*	70964.555	28718.336	1.378
12	3131.960	1267.459	.061
13	2264.995	916.611	.044
14	15979.900	6466.836	.310
15	11429.758	4625.459	.222
16	11382.389	4606.289	.221
17	8744.966	3538.962	.170
18	4941.645	1999.013	.096
19	14598.407	5907.757	.283
21	376380.488	152315.7786	7.307
22	101.867	41.224	.002
23	705.880	285.659	.014
24	44.902	18.171	.001
33	171262.875	69307.626	3.325
34	4374699.000	1770377.864	84.935
41	146.378	59.237	.003
42	80431.625	32549.524	1.562
52	45.022	18.220	.001
53	2175.663	880.460	.042
74	484.684	196.145	.009
74	554.923	224.570	.011

A NOT AVAILABLE

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

FROM:

ARIZONA DATA BANK
 USGS-GEOGRAPHIC APPLICATIONS
 PROGRAM.

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: USGS CIRCULAR 671.

LAND OWNERSHIP - TUCSON

AREA SUMMARIES FOR MAP ~~XXXXXX~~ OF LAND OWNERSHIP

QUAD

74-89

LAND OWNERSHIP

	ACRES	HECTARES	
PRIVATE LAND 1	3124727.00	1264532.00	60.727
PUBLIC LAND 3	488918.812	197358.375	9.502
INDIAN RES. 4	929481.937	376147.937	18.064
NATIONAL MON 5	89876.937	36371.902	1.747
NATIONAL FOREST 8	512628.562	207453.375	9.963

TOTAL 5145522.00 2082318.00

ORIGINAL MAP FROM:

THE BUREAU OF LAND MANAGEMENT,
USDI AND THE STATE OF ARIZONA.

AREA SUMMARIES FOR MAP ~~50-2-1~~ OF CENSUS TRACTS

CENSUS TRACTS - PIMA COUNTY

	ACRES	HECTARES	%
1	173.671	70.282	0.003
2	494.608	200.161	0.010
3	306.490	124.032	0.006
4	492.814	199.435	0.010
5	574.618	232.540	0.011
6	706.839	286.048	0.014
7	787.048	318.507	0.015
8	812.058	328.628	0.016
9	312.069	126.290	0.006
10	299.714	121.290	0.006
11	297.323	120.322	0.006
12	981.943	397.378	0.019
13	1017.813	411.894	0.020
14	561.167	227.096	0.011
15	614.372	248.830	0.012
16	556.882	225.362	0.011
17	382.514	154.798	0.007
18	865.066	350.080	0.017
19	1237.417	500.765	0.024
20	1286.240	520.523	0.025
21	1534.242	620.885	0.030
22	1773.973	717.901	0.034
23	665.589	269.354	0.013
24	820.527	332.055	0.016
25	4870.352	1970.961	0.095
26	1337.753	541.369	0.026
27	1449.947	586.772	0.028
28	800.500	323.951	0.016
30	1532.866	640.563	0.031
31	1003.464	406.087	0.019
32	791.134	320.160	0.015
35	2133.770	863.506	0.041
36	11725.715	4745.227	0.228
37	2433.883	984.957	0.047
38	1018.809	412.297	0.020
39	2585.633	1046.368	0.050
42	69454.437	28107.211	1.349
48	624158.562	252587.937	12.124
2901	605.307	244.959	0.012
2902	1709.805	691.934	0.033
3301	1239.410	501.571	0.024
3302	631.114	255.403	0.012
4001	1390.462	562.700	0.027
4002	1219.581	493.547	0.024
4003	2777.537	1124.029	0.054
4004	2491.673	1008.344	0.048
4005	1761.120	712.700	0.034
4006	437023.250	176857.000	8.489
4007	3624.170	1466.649	0.070
4101	3995.325	1616.851	0.078
4102	65661.812	26572.391	1.275
4301	5723.461	2316.202	0.111
4302	69539.812	28141.762	1.351
4401	8047.840	3256.845	0.156
4402	456359.625	184682.125	8.865
4501	2717.953	1099.917	0.053
4502	2112.347	854.836	0.041
4503	1549.586	627.095	0.030

CENSUS TRACTS

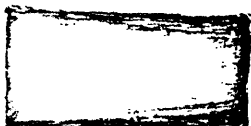
TUCSON

QUAD

74-89

,4601	5246.891	2123.341	0.102
4602	97938.437	39634.273	1.902
4701	9420.770	3812.450	0.183
4702	104363.375	42234.355	2.027
UNTRACTED 99.99	3118013.00	1261815.00	60.567

TOTAL	5148032.00	2083334.00
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ORIGINAL MAP FROM:
 THE BUREAU OF THE CENSUS,
 U.S. DEPT. OF COMMERCE
 CENSUS OF POPULATION 1970.

SOILS - TUCSON

QUAD
74-89

AREA SUMMARIES FOR MAP ~~XXXXXX~~ FOR SOILS

	ACRES	HECTARES	
4300	3188401.00	1290300.00	61.909
4321	559175.812	226290.375	10.857
4322	807929.250	326957.312	15.688
4323	88790.750	35932.336	1.724
4324	34318.660	13888.266	0.666
4325	291972.000	118156.812	5.669
4326	179577.750	72672.500	3.487
TOTAL	5150142.00	2084188.00	

PINAL COUNTY

4300 UNMAPPED AREA: DATA NOT AVAILABLE (LAND AREA IN QUAD BUT OUTSIDE PINAL COUNTY)
 4321 SOILS OF THE FLOOD PLAINS
 4322 SOILS OF THE VALLEY SLOPES
 4323 SHALLOW SOILS OVER BEDROCK
 4324 LIMY SOILS ON VALLEY SLOPES AND HIGH FANS
 4325 ROCK LAND
 4326 MISCELLANEOUS

ORIGINAL MAP FROM
THE SOIL CONSERVATION
SERVICE, USDA.

TUCSON, ARIZONA 1:250,000' QUADRANGLE

QUAD

AREA SUMMARIES FOR MAP OF DRAINAGE BASINS

DRAINAGE BASINS	ACRES	HECTARES	PERCENT
5918	91817.625	37157.270	1.783
6005	1413659.00	572087.000	27.455
6006	527076.375	213300.187	10.236
6007	417090.125	169790.312	8.100
6008	679440.187	274059.625	13.196
6009	1044167.12	422559.375	20.279
6015	720549.912	291596.125	13.994
6017	255203.625	103277.187	4.956

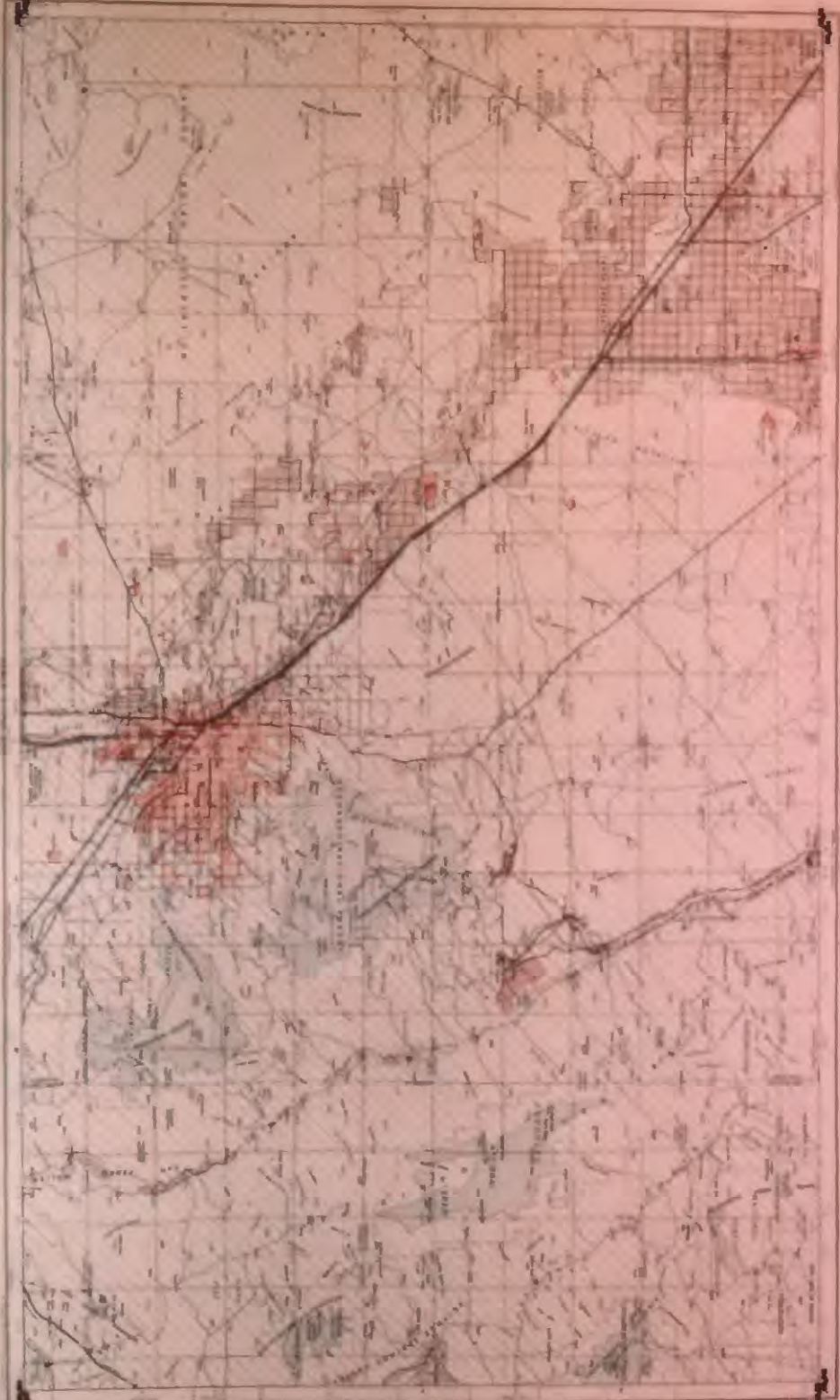
TOTAL 5149000.00 2083726.00

ORIGINAL MAP FROM:

THE WATER RESOURCES DIVISION, GEOLOGICAL SURVEY, USDI

- 5918 YAVAPAI WASH DRAINAGE BASIN
- 6005 SAN PEDRO RIVER DRAINAGE BASIN
- 6006 TANQUE VERDE CREEK DRAINAGE BASIN
- 6007 BRAZLEY WASH DRAINAGE BASIN
- 6008 SANTA ROSA WASH DRAINAGE BASIN
- 6009 SANTA CRUZ RIVER DRAINAGE BASIN
- 6016 GILA RIVER DRAINAGE BASIN
- 6017 ARAVAIPA CREEK DRAINAGE BASIN

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



100

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ST. LOUIS, MISSOURI, 1892
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ST. LOUIS, MISSOURI, 1892



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