# OKLAHOMA ATLAS OF ARCHAEOLOGICAL SITES AND MANAGEMENT ACTIVITIES

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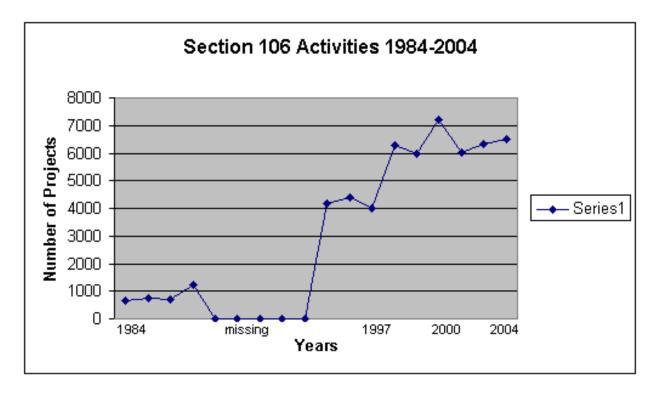
#### INTRODUCTION

Since its establishment some 35 years ago the Oklahoma Archeological Survey has been involved in a number of managerial activities concerning our state's archaeological resources. Initially as a state agency and later as a partner in the federal review process, the Archeological Survey has participated in reviewing federal and many states activities that have the potential to affect Oklahoma's cultural heritage. Here, the concern is with Oklahoma's prehistoric and historic archaeological sites. Under the National Historic Preservation Act, federal agencies must take into account the potential affect of their actions on "cultural resources". These actions are broadly defined to include activities by federal agencies on their land, the funding of activities on federal, Indian, state, or private land, the regulation of activities though federal permits, and where federal agencies render other kinds of assistance. The Archeological Survey also serves as the centralized repository for information on archaeological sites documented throughout Oklahoma, assigning state numbers to each site.

After participating in such a process for over three decades, it is prudent to inventory what has been accomplished during this time. The following represents an atlas of maps, charts, and tables documenting the extent of this work. Needless to say, not all these data are of the same level of accuracy or detail. The procedures we have used in our management practices have evolved over the years. For example, in the past, we did not keep track of the title of surveys being undertaken, this only started in the 1990s. The diversity of information has also expanded enormously in the 35 years of involvement.

#### THE REVIEW OF FEDERALLY FUNDED ACTIONS

A December 2004 inventory of reviews conducted under Section 106 of the National Historic Preservation Act revealed that 41,640 projects or re-iterations of projects have been examined since 1977, the year that the Survey began to evaluate the effect of these projects (Table 1). If we include the 20,000 site file reviews completed for the Natural Resource Conservation Service and the Oklahoma Department of Transportation since the 1990s, the total number is roughly 61,000 projects. Analyses of these undertakings reveal considerable variation at the county level. The average number of projects proposed at the county level from 1977 – 2004 is 517 with Harmon County having the lowest number (74) and Tulsa County, the greatest number (1679). When viewed as a county level distributional map, there are some general patterns in where more activities are represented (Figure 1). These include large federal land holdings (e.g., Le Flore, McCurtain, Roger Mills, and Comanche counties), counties where tribal governments are actively pursuing federal funds, and counties that have either large metropolitan areas (e.g., Tulsa, Oklahoma counties) or that have city planners that aggressively pursue development funds. Today, actions reviewed under the NHPA are derived from some 30 federal and state agencies and tribal governments. However, these can be broken down into five basic groups: oil and gas wells, gas pipelines, mining, road programs, and an umbrella of development related activities of numerous agencies (Figure 2). The workload conducted under the federal review program has grown steadily over the years. Although there are some gaps in studying these rates, the following chart documents substantial increases especially in the decade of the 1990s.



While most activities submitted for review are cleared with no further concerns, some of these projects merit further consideration and a cultural resource survey is conducted. The survey is typically recommended when the activity will result in substantial ground disturbance and takes place in a setting that is sensitive for the potential presence of significant cultural resources or where a previously identified archaeological site is within the project area. Nine thousand one hundred seventy surveys were conducted between 1977 and 2004. (Since December 2004 the number of surveys has surpassed 10,000.) These range from a low of 31 surveys conducted in Harmon County to 494 surveys completed in Le Flore County, with an average of 199 per county (Table 2). These survey data by county are mapped in Figure 3. Counties with large numbers of surveys are broadly distributed around Oklahoma. However, these represent counties that contain large federal land holdings where surveys are more uniformly undertaken. Acreage examined in these survey totals some 426,132 acres or 665 square miles (Table 3). However, the average acreage per survey is only approximately 46 acres pointing to the fact that much of this work involved small tracts of land (frequently an acre or two). Mapping of survey efforts by acreage also reveals that counties that have the greatest number of field examinations do not always have the greatest acreage (Figure 4). For example, Comanche County has had only 106 surveys over this roughly 30 year span but the inventory efforts have covered 60.287 acres. The acreage survey also represents a remarkably small percentage of Oklahoma's surface area (Table 4, Figure 5). If the area examined is calculated as a fraction per square mile, the average is .009117 square mile. Even Le Flore County which has the greatest number of surveys (494) and acreage examined (74,913) has but .074 square mile or less than one tenth of the county's surface area surveyed for cultural resources. This number, of course, does not include the acreage examined by WPA archaeologists or archaeologists working for the Oklahoma River Basin Survey who inspected Oklahoma's lakes built during the 1950s-1970s. It also does not include surveys for strictly research purposes or those that cross over between research and preservation planning. For example, it is estimated that Survey and Planning efforts sponsored by the State Historic Preservation Office/National Park Service over the past 25+ years have covered some 112,000 acres or roughly 175 square miles. These additional numbers, though, would not significantly increase the fractional square miles of surface area examined in most counties.

#### THE ARCHAEOLOGICAL SITE FILES

There are some 19.000 prehistoric and historic archaeological sites documented for Oklahoma (Table 5). Approximately 68% are strictly prehistoric sites, 24% represent exclusively historic sites, and 8% contain both prehistoric and historic components. The number by county range from a low of 19 in Alfalfa County to a high of 1318 in Le Flore County with a county average of 248 sites. When viewing the distribution of sites by county (Figure 6), there are some recognizable patterns. Counties that had few cultural resource investigations often also have few sites. An example is Alfalfa County where only 68 surveys have been accomplished; Alfalfa County also has the lowest number of recorded sites. Le Flore County, with the greatest number of surveys also has the largest county site total. There are some counties that are exceptions to this pattern. For example, counties in the panhandle and extreme northwest Oklahoma have high county site numbers as the consequence of Survey and Planning work over the past 10 years. Generally though, an increased number of investigations for federal actions has resulted in more sites being identified. Unfortunately, we cannot directly examine this relationship because there are sites that were recorded prior to the beginnings of the federal requirements for surveys as well as sites reported by private citizens or archaeologists conducting academically based research. Despite the substantial number of sites recorded, they probably represent but a fraction of those that exist in Oklahoma. Current sites densities per square mile are quite low, ranging from a low of .02/square mile in Alfalfa County to a high of .831/square mile in Le Flore County, with an average of .28/square mile (Table 6). This is depicted graphically in Figure 7.

Tallies for prehistoric sites by cultural period are also available for Oklahoma counties. These totals were derived from the computerized archaeological site data base OASIS a couple of years ago. The recording of cultural periods at prehistoric sites was based on narrative information in older site records and cultural period designations on newer forms (since 1982). Thus, these numbers may not be precise but they provide some general indications for the presence of prehistoric cultures in Oklahoma at given times in the past. It also must be cautioned that these numbers do not correlate well with the total number of prehistoric sites. This is because some prehistoric sites may be multiple component and contain evidence for two or more cultural periods. Or, in other cases, a prehistoric site may give no evidence of occupation by cultural period. The numbers may also contradict intuitive knowledge of some counties due to the manner in which some archaeologists defined cultural affiliation. For example, James Shafer considered sites with crudely made Ogallala quartzite dart points to be Archaic sites. However, this assumption may be unfounded and at least some of these sites may be of Woodland age. There are also cases where the researcher's bias for a certain time period affected the documentation of a site. A site might contain Archaic and Village Farming components but if the archaeologist was only interested in the Village Farming culture, they might not mention the presence of Archaic materials.

The archaeological site files hold records of 228 sites with Paleoindian components dating to some 8000 to 20,000 years ago (or longer). It is not surprising that this reflects the lowest site density by cultural period (an average of 2.96 sites per county). The postulated low density of Paleoindian populations as well as the potential for these sites to be buried by natural processes has undoubtedly affected site densities compared to later cultural periods. However, the presence of greater numbers of Paleoindian sites in western Oklahoma may be a real phenomena rather than an artifact of this analysis. The tabulation of Paleoindian sites by county is presented in Table 7 and graphically portrayed in Figure 8.

There are 2193 sites that contain evidence of Archaic period occupation (Table 8). The large number of sites is exceeded only by that of the Village Farming period. However, it must be considered that the Archaic period lasted for some 6000 years. During much of this time, Archaic groups were mobile hunters and gatherers who moved to seasonally available resources. From this perspective, the number of Archaic sites is probably underrepresented. At least some Archaic sites have been lost as a consequence of natural processes operating during and at the end of the Altithermal (a period of warm, dry conditions some 4000-7000 years ago). Other sites within stream valleys were undoubtedly buried by some of these same natural forces bringing about deep alluvial deposits in valleys. The average number of sites is about 28 per county although the distributional map depicted in Figure 9 attests to their being substantially greater numbers of Archaic sites in eastern Oklahoma than in the western part of the state. This also may be a function of environmental conditions forcing people to move to more favorable settings in the woodlands of eastern

Oklahoma from around 7000-4000 years ago. It probably required considerable time for western portions of the state to recover from the effects of the Altithermal and permit Archaic groups to repopulate the region.

The Woodland period is one of the shortest prehistoric eras, lasting for roughly 800 years (2000 to 1200 years ago). This, to some extent, accounts for the relatively low number of sites documented (942; Table 9). This averages to a remarkably low 12 sites per county. There may be factors, though, that are affecting these numbers. Woodland cultures are generally identified by the presence of arrowpoints and/or ceramics. There are probably numerous cases where such "labeling" has led to Woodland sites being identified as earlier Archaic occupations or subsequent Village Farming settlements. For example, sites that lack ceramics and rely on stylistic attributes of dartpoints may be identified as Archaic period sites. This is because numerous dartpoint styles were in use for thousands of years, having their origins in the Archaic and continuing into the Woodland. In other cases, sites with arrowpoints and ceramics may have been misidentified as Village Farming sites. In viewing the distribution of Woodland sites by county (Figure 10), the greatest densities are in eastern Oklahoma, especially in the southeastern part of the state.

The Village Farming period represents the most recent prehistoric occupation of Oklahoma (1200 to 450 years ago). Sites of the Village Farming period are the most frequently documented in Oklahoma. There are 2524 Village Farming sites with an average of approximately 33 per county (Table 10). The greater frequency of Village Farming sites for such as short duration of time is a function of the large population of native peoples at this time and also the relatively limited time that natural processes have had to mask the evidence of these sites. Sites of the Village Farming period also tend to be larger and sometimes to contain artificially constructed mounds, making sites more easily detected. A limited number of protohistoric occupations have also probably been identified as belonging to the Village Farming period. This is because of the similarity in their material culture and the fact that they represent a transition from Village Farming groups into the historic record. The distribution of Village Farming sites is shown in Figure 11. This map clearly depicts the widespread presence of these late prehistoric occupations throughout Oklahoma.

While not discussed here in as much detail as the prehistoric cultures, Oklahoma also has an extensive historic archaeological record. Currently, there are 6301 historic sites or sites with historic components (Table 11). This is a significant under representation of the true number of historic sites. While Oklahoma did not become a state until 1907, native societies from the Southeast, Northeast, Midwest, Plains, and even the Southwest were relocated to "Indian Territory" from the 1830s through the 1870s. When Oklahoma Territory was opened to homesteading beginning in the late 1880s, thousands of farms and towns sprang up virtually overnight. Unfortunately, much of the archaeological record resulting from such historic settlement was neglected until legislation providing consideration of all cultural resources was brought into effect in the 1970s. Even then, many Depression and Dust Bowl era sites were not documented because of their relatively recent history (ca. less than 50 years old). The distribution of historic occupations is depicted in Figure 12. This map shows historic sites as a composite rather than by discrete cultural periods as was done with prehistoric sites. This is because of the difficulty in refining many of the historic occupations or there is insufficient data to determine the site's historic era.

This overview has been compiled to provide archaeologists and resource managers with basic numbers concerning Oklahoma's management activities and the general character of the archaeological site files that we maintain. These data may be used in your reports and documents as long as they are appropriately referenced and cited. More detailed and specific information on the archaeological site files and management related activities are available from the Oklahoma Archeological Survey and the State Historic Preservation Office, Oklahoma Historical Society.

Adair	Alfalfa	Atoka	Beaver	Beckham
730	188	352	351	343
Blaine	Bryan	Caddo	Canadian	Carter
415	581	1460	545	763
Cherokee	Choctaw	Cimarron	Cleveland	Coal
1028	432	105	746	298
Comanche	Cotton	Craig	Creek	Custer
1101	270	322	776	574
Delaware	Dewey	Ellis	Garfield	Garvin
1004	221	145	265	430
Grady	Grant	Greer	Harmon	Harper
653	189	120	74	123
Haskell	Hughes	Jackson	Jefferson	Johnston
525	514	218	221	362
Kay	Kingfisher	Kiowa	Latimer	Le Flore
541	208	263	677	1278
Lincoln	Logan	Love	Major	Marshall
537	248	223	187	286
Mayes	McClain	McCurtain	McIntosh	Murray
572	331	671	487	280
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
813	275	203	441	1450
Okmulgee	Osage	Ottawa	Pawnee	Payne
646	1233	653	291	493
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
1101	866	962	329	617
Rogers	Seminole	Sequoyah	Stephens	Texas
653	554	769	547	310
Tillman	Tulsa	Wagoner	Washington	Washita
196	1679	445	340	240
Woods	Woodward	Multi-County		
203	292	2006		

# Table 1. Cumulative Section 106 Actions by County, December 2004.

Adair	Alfalfa	Atoka	Beaver	Beckham
82	68	97	71	74
Blaine	Bryan	Caddo	Canadian	Carter
176	114	432	157	113
Cherokee	Choctaw	Cimarron	Cleveland	Coal
168	64	72	166	60
Comanche	Cotton	Craig	Creek	Custer
206	103	83	129	211
Delaware	Dewey	Ellis	Garfield	Garvin
108	111	62	54	103
Grady	Grant	Greer	Harmon	Harper
123	68	53	31	39
Haskell	Hughes	Jackson	Jefferson	Johnston
133	95	57	48	71
Kay	Kingfisher	Kiowa	Latimer	Le Flore
121	63	79	189	494
Lincoln	Logan	Love	Major	Marshall
133	53	61	57	69
Mayes	McClain	McCurtain	McIntosh	Murray
78	61	175	89	72
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
120	91	50	94	200
Okmulgee	Osage	Ottawa	Pawnee	Payne
71	458	80	86	114
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
298	102	166	83	474
Rogers	Seminole	Sequoyah	Stephens	Texas
124	97	125	98	77
Tillman	Tulsa	Wagoner	Washington	Washita
61	155	77	53	90
Woods	Woodward			
55	75			

# Table 2. Total Surveys by County, December 2004.

Adair	Alfalfa	Atoka	Beaver	Beckham
82	68	97	71	74
Blaine	Bryan	Caddo	Canadian	Carter
176	114	432	157	113
Cherokee	Choctaw	Cimarron	Cleveland	Coal
168	64	72	166	60
Comanche	Cotton	Craig	Creek	Custer
206	103	83	129	211
Delaware	Dewey	Ellis	Garfield	Garvin
108	111	62	54	103
Grady	Grant	Greer	Harmon	Harper
123	68	53	31	39
Haskell	Hughes	Jackson	Jefferson	Johnston
133	95	57	48	71
Kay	Kingfisher	Kiowa	Latimer	Le Flore
121	63	79	189	494
Lincoln	Logan	Love	Major	Marshall
133	53	61	57	69
Mayes	McClain	McCurtain	McIntosh	Murray
78	61	175	89	72
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
120	91	50	94	200
Okmulgee	Osage	Ottawa	Pawnee	Payne
71	458	80	86	114
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
298	102	166	83	474
Rogers	Seminole	Sequoyah	Stephens	Texas
124	97	125	98	77
Tillman	Tulsa	Wagoner	Washington	Washita
61	155	77	53	90
Woods	Woodward			
55	75			

### Table 3. Total Acres Surveyed, December 2004.

Adair	Alfalfa	Atoka	Beaver	Beckham
.002	.003	.005	.004	.004
Blaine	Bryan	Caddo	Canadian	Carter
.003	.004	.01	.005	.004
Cherokee	Choctaw	Cimarron	Cleveland	Coal
.006	.004	.001	.01	.006
Comanche	Cotton	Craig	Creek	Custer
.09	.01	.02	.003	.005
Delaware	Dewey	Ellis	Garfield	Garvin
.006	.002	.002	.0001	.003
Grady	Grant	Greer	Harmon	Harper
.01	.0001	.002	.01	.002
Haskell	Hughes	Jackson	Jefferson	Johnston
.03	.003	.002	.0008	.006
Kay	Kingfisher	Kiowa	Latimer	Le Flore
.005	.002	.004	.012	.074
Lincoln	Logan	Love	Major	Marshall
.008	.002	.002	.003	.007
Mayes	McClain	McCurtain	McIntosh	Murray
.003	.003	.03	.009	.024
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
.023	.002	.007	.004	.02
Okmulgee	Osage	Ottawa	Pawnee	Payne
.003	.012	.008	.004	.006
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
.004	.013	.007	.002	.02
Rogers	Seminole	Sequoyah	Stephens	Texas
.03	.005	.008	.004	.005
Tillman	Tulsa	Wagoner	Washington	Washita
.008	.024	.008	.003	.002
Woods	Woodward			
.002	.002			

Adair	Alfalfa	Atoka	Beaver	Beckham
191	19	654	174	213
Blaine	Bryan	Caddo	Canadian	Carter
158	316	457	145	254
Cherokee	Choctaw	Cimarron	Cleveland	Coal
417	287	430	369	128
Comanche	Cotton	Craig	Creek	Custer
570	126	72	184	344
Delaware	Dewey	Ellis	Garfield	Garvin
303	84	163	54	308
Grady	Grant	Greer	Harmon	Harper
203	44	180	101	140
Haskell	Hughes	Jackson	Jefferson	Johnston
222	118	138	107	137
Kay	Kingfisher	Kiowa	Latimer	Le Flore
449	37	135	344	1318
Lincoln	Logan	Love	Major	Marshall
158	88	155	42	167
Mayes	McClain	McCurtain	McIntosh	Murray
287	151	980	356	148
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
407	79	125	82	192
Okmulgee	Osage	Ottawa	Pawnee	Payne
26	681	106	212	109
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
431	264	185	358	1032
Rogers	Seminole	Sequoyah	Stephens	Texas
327	125	368	113	184
Tillman	Tulsa	Wagoner	Washington	Washita
173	158	255	107	200
Woods	Woodward			
85	106			

### Table 5. Number of Sites by County, December 2004.

Adair	Alfalfa	Atoka	Beaver	Beckham
.33	.02	.668	.096	.24
Blaine	Bryan	Caddo	Canadian	Carter
.17	.348	.357	.161	.308
Cherokee	Choctaw	Cimarron	Cleveland	Coal
.555	.371	.234	.688	.247
Comanche	Cotton	Craig	Creek	Custer
.533	.198	.095	.193	.349
Delaware	Dewey	Ellis	Garfield	Garvin
.409	.084	.133	.051	.38
Grady	Grant	Greer	Harmon	Harper
.251	.044	.282	.188	.135
Haskell	Hughes	Jackson	Jefferson	Johnston
.385	.146	.172	.141	.213
Kay	Kingfisher	Kiowa	Latimer	Le Flore
.489	.041	.133	.476	.831
Lincoln	Logan	Love	Major	Marshall
.165	.118	.301	.044	.45
Mayes	McClain	McCurtain	McIntosh	Murray
.437	.265	.529	.574	.354
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
.5	.108	.221	.131	.271
Okmulgee	Osage	Ottawa	Pawnee	Payne
.037	.303	.225	.372	.159
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
.33	.367	.235	.256	.904
Rogers	Seminole	Sequoyah	Stephens	Texas
.484	.196	.546	.129	.09
Tillman	Tulsa	Wagoner	Washington	Washita
.198	.277	.453	.257	.2
Woods	Woodward			
.066	.085			

# Table 6. Sites Per Square Mile, December 2004.

Adair	Alfalfa	Atoka	Beaver	Beckham
2	0	5	6	1
Blaine	Bryan	Caddo	Canadian	Carter
0	3	19	3	4
Cherokee	Choctaw	Cimarron	Cleveland	Coal
2	5	16	4	0
Comanche	Cotton	Craig	Creek	Custer
2	0	0	2	0
Delaware	Dewey	Ellis	Garfield	Garvin
0	2	0	0	9
Grady	Grant	Greer	Harmon	Harper
2	0	3	1	5
Haskell	Hughes	Jackson	Jefferson	Johnston
4	0	4	4	1
Kay	Kingfisher	Kiowa	Latimer	Le Flore
2	1	1	3	6
Lincoln	Logan	Love	Major	Marshall
2	0	2	2	23
Mayes	McClain	McCurtain	McIntosh	Murray
1	0	8	6	6
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
4	0	0	0	2
Okmulgee	Osage	Ottawa	Pawnee	Payne
1	2	1	1	0
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
3	0	3	3	15
Rogers	Seminole	Sequoyah	Stephens	Texas
0	1	1	1	6
Tillman	Tulsa	Wagoner	Washington	Washita
0	1	0	0	9
Woods	Woodward			
3	1			

# Table 7. Distribution of Paleoindian Sites by County

Adair	Alfalfa	Atoka	Beaver	Beckham
30	0	112	34	15
Blaine	Bryan	Caddo	Canadian	Carter
8	55	27	4	46
Cherokee	Choctaw	Cimarron	Cleveland	Coal
69	51	32	38	16
Comanche	Cotton	Craig	Creek	Custer
42	5	2	15	9
Delaware	Dewey	Ellis	Garfield	Garvin
23	1	10	5	59
Grady	Grant	Greer	Harmon	Harper
14	2	15	1	2
Haskell	Hughes	Jackson	Jefferson	Johnston
59	8	14	14	33
Kay	Kingfisher	Kiowa	Latimer	Le Flore
44	2	18	53	125
Lincoln	Logan	Love	Major	Marshall
10	2	5	3	65
Mayes	McClain	McCurtain	McIntosh	Murray
35	23	186	34	17
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
59	2	12	5	25
Okmulgee	Osage	Ottawa	Pawnee	Payne
3	63	8	23	4
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
83	31	26	145	62
Rogers	Seminole	Sequoyah	Stephens	Texas
11	13	41	1	16
Tillman	Tulsa	Wagoner	Washington	Washita
21	8	22	16	16
Woods	Woodward			
14	2			

# Table 8. Distribution of Archaic Sites by County.

Adair	Alfalfa	Atoka	Beaver	Beckham
9	0	27	13	6
Blaine	Bryan	Caddo	Canadian	Carter
3	1	19	2	4
Cherokee	Choctaw	Cimarron	Cleveland	Coal
19	45	2	10	5
Comanche	Cotton	Craig	Creek	Custer
2	1	4	4	4
Delaware	Dewey	Ellis	Garfield	Garvin
17	0	6	3	17
Grady	Grant	Greer	Harmon	Harper
1	5	1	0	0
Haskell	Hughes	Jackson	Jefferson	Johnston
14	1	2	3	11
Kay	Kingfisher	Kiowa	Latimer	Le Flore
47	2	1	40	95
Lincoln	Logan	Love	Major	Marshall
5	4	2	1	8
Mayes	McClain	McCurtain	McIntosh	Murray
25	6	54	20	2
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
23	4	8	1	14
Okmulgee	Osage	Ottawa	Pawnee	Payne
4	53	16	5	9
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
72	1	5	50	11
Rogers	Seminole	Sequoyah	Stephens	Texas
11	4	15	2	5
Tillman	Tulsa	Wagoner	Washington	Washita
1	2	20	23	6
Woods	Woodward			
4	0			

# Table 9. Distribution of Woodland Sites by County.

Adair	Alfalfa	Atoka	Beaver	Beckham
9	1	21	53	50
Blaine	Bryan	Caddo	Canadian	Carter
67	19	115	58	6
Cherokee	Choctaw	Cimarron	Cleveland	Coal
23	54	119	6	4
Comanche	Cotton	Craig	Creek	Custer
187	81	6	9	107
Delaware	Dewey	Ellis	Garfield	Garvin
63	37	38	2	64
Grady	Grant	Greer	Harmon	Harper
44	12	16	14	11
Haskell	Hughes	Jackson	Jefferson	Johnston
7	11	18	42	12
Kay	Kingfisher	Kiowa	Latimer	Le Flore
64	15	38	18	105
Lincoln	Logan	Love	Major	Marshall
3	3	3	4	20
Mayes	McClain	McCurtain	McIntosh	Murray
31	15	196	26	8
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
63	2	3	3	19
Okmulgee	Osage	Ottawa	Pawnee	Payne
3	62	6	16	2
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
21	17	9	22	76
Rogers	Seminole	Sequoyah	Stephens	Texas
8	7	35	51	44
Tillman	Tulsa	Wagoner	Washington	Washita
3	8	21	8	48
Woods	Woodward			
15	12			

# Table 10. Distribution of Village Farming Sites by County.

Adair	Alfalfa	Atoka	Beaver	Beckham
88	11	166	45	78
Blaine	Bryan	Caddo	Canadian	Carter
57	114	189	55	86
Cherokee	Choctaw	Cimarron	Cleveland	Coal
152	85	58	123	50
Comanche	Cotton	Craig	Creek	Custer
283	82	38	59	103
Delaware	Dewey	Ellis	Garfield	Garvin
72	37	50	4	83
Grady	Grant	Greer	Harmon	Harper
56	14	61	33	26
Haskell	Hughes	Jackson	Jefferson	Johnston
91	39	68	42	44
Kay	Kingfisher	Kiowa	Latimer	Le Flore
86	8	59	116	343
Lincoln	Logan	Love	Major	Marshall
82	48	36	10	64
Mayes	McClain	McCurtain	McIntosh	Murray
35	47	321	176	36
Muskogee	Noble	Nowata	Okfuskee	Oklahoma
227	31	76	63	48
Okmulgee	Osage	Ottawa	Pawnee	Payne
15	200	24	56	69
Pittsburg	Pontotoc	Pottawatomie	Pushmataha	Roger Mills
127	60	96	73	247
Rogers	Seminole	Sequoyah	Stephens	Texas
125	35	110	55	51
Tillman	Tulsa	Wagoner	Washington	Washita
90	105	103	26	49
Woods	Woodward			
9	18			

# Table 11. Distribution of Sites With Historic Occupations by County.

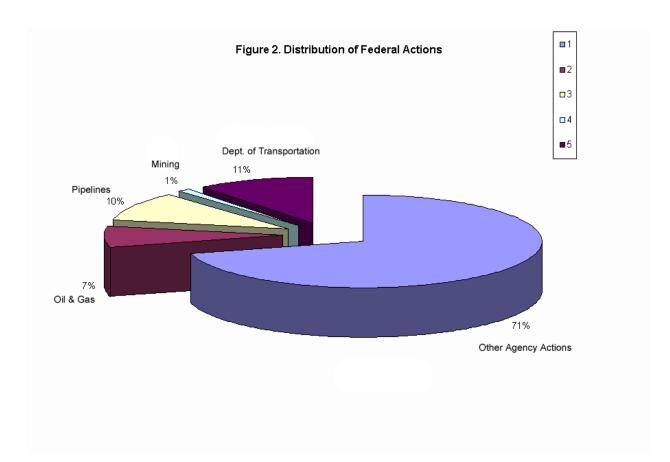
121			terret in the interret of the second of the
Kiowa	Greelev	Scott Lane	Rush
Bent Prowers	Kearny		Pawnee Rice Mopherson Manon Chase 901
Prowers	Jamiltan	Finney Ho	Ness     Barton     Rice Mopherson     Marion Chase     Lyon       odgeman     Stafford     Reno     Harvey     Butler     Overnon       Ford     Edwards     K.A. N S A S     Overnon     Greenwood     Allen       Ford     Kiowa     Pratt     Kingman     Sedgwidk     Wilson
COLORADO	hamiliton	Grav	Woodson Allen Vernon
· . · · · · · · · · · · · · · · · · · ·		Haskell	Ford Pratt Sed guide MISSOUF
	Stanton Grant		Kiowa Pratt Kingman Sedgwick Wilson MISSOUR
Baca	Morton:	Seward Meade	Clark <sup>Comanche</sup> Barber Harper Sumner Cowley Montgomery Cheroke Jasper
[]	Stevens		Harper Jasper
Cimerron			Herner Manade Olfelfe
Cilliarion	Texas	Beaver	O K L A H O M A Grant Kay Osage Newata Craig
		······································	
Dallam She	rman c	)chiltree	Ellis Woodward Garfield Noble Rogers Delaware Benton
	Hansford	U	Ellis Woodward Garfield Noble: Cogers Lelaware Benton N J. T. E. D. S. T. A. T. E. S. Tulsa Mayes Payne Washingto
Hartley	oore		No.     I. E. D.     S. T. A. I. E. S.     One Mayes       Payne     Payne     Creek     Cherokes       Dewey     Blaine     Creek     Cherokes       Kingfisher: Logan     Lincoln     Muskogee       Roger Mills     Custer     Canadian       Oklahoma City     Mointosh
	Hutchinson	Roberts Hemph	Kingfisher Logan Lincoln Muskogee Adain >
Po	tter Carson		Roger Mills Custer Canadian Oklahoma City McIntosh
Oldham	Amarillo	Gray Wheele	Roger Mills Custer Canadian Oklahoma City Mointosh Sequovah
*****************	•		Beckham Washita Caddo Clevelarid Hughes Haskell 💌
Deaf Smith <sub>Ran</sub>	idall Armstrong	Collinaswo	Grady Seminde Pittsburg
	<u></u>		Beckham Washita Caddo Clevelard Hughes Haskell Saminde Haskell
Parmer Castro S	wisher:	Hall	Jackson Comanche Stephens
	Briscoe	Hall Childres	Wurray Wurray
Bailev:			Handeman Johnston Atoka
Lamb	ale : Floyd :	Motley Cottle	Wilbarger Uefferson Love Prven Choctaw Mccurtain Sevier
	·····		Eoard Wichita
Hockley:	Lubbock	)ickens: King	Knox Baylor T E X A S Cooke Grayson Fannin Red River Bowie
Lub	bock:Crosby		T E X A S
Terro		1/+	Haskell: Young Jack Was Dester Collin
Ly	in Garza	Stonewa	Throckmorten Carrollton Plano Hunt Hopkins
			ones Palo
Gaines Dawso	n Borden Scu	Irry Fisher	Shackelford Parker Tames Dallas
Andrews: Martin	) Howard Mit-	hell Molon	Haskell Young Jack Wise Denton OPlano Hunt Hopkins Titus Cass Ones Shackelford Plano Plano Plano Plano Plano Plano Plano Abilene Stephens Parker Tarrant Dallas Van Zandt Smith Harrison
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# Figure 1. Total Section 106 Actions By County



#### **Total Section 106 Actions by County**





### Figure 3. Surveys by County

Cheyenne	····.			
Kiowa	Greeley Wid	shita Scott Lan	Ness	Barton Rice Mcpherson Marion Hen
Bent Prowers	s Hamilton Kee	Finney	Hodgeman	Stafford Reno Harvey
	 Stanton Gr	ant Haskell	y Ford	EdwardsK.A.N.S.A.S Butter Vernon Cec Pratt OVKChita Greenwood Million Naceko MilSo0143
Baca	-	Me	ade Clark	Elk Elk Jasper
T	Morton Stev	ens Seward	Clark	Comanche Harper Summer Control Chautauqua Labette
Cimarron	Texas	Beave	Harp	Alfalfa Grant Kay Newton Nowats Craig Middonaid
Dallam	Sherman Hansf	ord Ochiltree Lip:	comb	
Hartley	Moore Hutchin	son Roberts He		UNITEDSTATES, Payne Tulsa Wagoner Dewey Blaine Kingfisher Logan Creek Creek Muskogee Waskogee
Oldham	Potter Carso	n Gray Wh	eeler Beckha	Canadian oklahoma City Olduskee McIntosh Sequoyah
Deaf Smith	Randall Armstro	ng Collin Donley	Isworth G	Green Kiowa Mcclain Mcclain Pttsburg Latimer Le Person So
Parmer Castro	Swisher Bris		Harmon J	Jackson Coal Coal Pushmataha Polk
Bailey Lamb	Hale Floyd	Motley Co	tle Foard	Vilibarger Jefferson Love Marshak Bryan Choctaw Sevier
Hockley	Lubbock Crosb	Dickens	ng Knox	Baylor Archer Clay Montague Cooke Lamar Red River
Yoakum Terry	Lynn Garza	Kent Ston	Haskell	Throckmonton Carrolition Plano Hunt Hunt Cass
Gaines Dav	wson Borden	Scurry Fisher	Jones S	Shadkelford Stephens Pelo Pinto Parker Tarrant Dalfas Kaufman Van Zandt Harrison
Andrews Ma @ 2001 Microsoft Co	rtin orp. All rights reser	Mitchell Nolan	Taylor Ab	



#### Surveys by County



# Figure 4. Surveyed Area by County

Cheyenne						Ellis	Russell.	: 	Saline	Dickinso				u Minuti	Johnson
Kiowa	Greele	9Y Wichita	Scott	Lane	Ness	Rush	Barton	Ellsworth Rice	Mcphers	oni Mario	Morris	Lyon	Osage Fran		Cass Henry
Bent Prower	rs Hamilto	on Kearny	Finr	ney H	lodgeman	Pawnee	Stafford	Rend	1	rvey	Chase		Coffey <sup>Ande</sup>		Bates
COLORADO	 Stanto	D. Oract	Hookoll	Gray	Ford	Edwards	KA Pratt	NSA		• Wich	Butler nita	Greenwood	: · ·		Vernon Cedar
Baca		Gran	Haskell			Kiowa		Kingma	n Sedg	wick		Elk	Montgomeny	ShO Crawford	Dade
	Morton	Stevens	Seward	Meade	Clark	Comanche	Barber	Harp	er Sun	nner	Cowley ;	Chautauqua	s Lak	ette <sup>Cheroke</sup>	e Jasper
Cimarron		Texas	E	)eaver	Harpe	er int.	oods AHO	Alfalfa M A	Grant	Kay		sage	Nowata	Ottawa Craig	a Newton ≥ Mcdonald ਛ
Dallam	Sherman	Hansford	Ochiltree	Lipscomk	Ellis	Woodward	Ma		Garfield	Noble	Раул	ee	⊙ <sup>Tulsa</sup>	flayes Delaw	ane Benton
Hartley	Moore	Hutchinson	Roberts	Hemphill	Roger M	N I T Dev	vey E	S T Ilaine King		E:5	ayne Lincoln	Creek	Tulsa Wagoni	Cherokee	Washington dair Crawford
Oldham	Potter	Carson Arillo	Gray	Wheeler	Beckha	Wa.	shita		idian G		na City Semin	Okfuskee	mulgee <mark>. Musko</mark> McIntosh	Seque Haskell	yah P R R
Deaf Smith	Randall 🗚	krmstrong	Donley	Collingswortl	Gr	eer Kio	owa	Caddo	Grady Mcc	Pott clain Garvin	awatomie		Pittsburg	atimer Le	Flore Scott
Parmer Castro	Swisher	Briscoe	Hall	Childres		ickson	Com	911) S 	tephens .	5	Pontoto urray Johnst	Coal	Pushr	nataha	so Polk
Bailey Lamb	Hale	Floyd	Motley	Cottle	Hardemar	Wilbarger	<u> </u>	· 2	efferson	Carter	Marshall			W	irtain Sevier
Cochran	Lubbock O <sup>Lubbo</sup>	Crosby ock	Dickens	King	Knox	Baylor	Archer	Clay X A.S	Montague	Cooke	e Grays	<sup>:on</sup> Fan			Little River Bowie
Yoakum Terry	Lynn	Garza	Kent	Stonewall	Haskell	Throckmorto	Young	Jack	Wise		р	ollin Iano <sup>H</sup> Garland	Delta Hopkin	s Titus	Cass
Gaines Da	wson Bo	rden	urry p	-isher	Jones St	ackelford: S	tephens <sup>I</sup>	Palo Pinto	Parker	lrvir orth <sub>⊙</sub> ⊺arrant	Da	llas	<b>e</b> Rains V Van Zandt	Vood Upsh	Marion ur Harrison
Andrews Ma @ 2001 Microsoft C	artin		chell p	ر lolan	aylor Abil	<b>ene</b> allahan	Eastland	Erath	Hood	Johnson	Ellis		Henderson	Smith Gr	egg Rusk Panola



Surveyed Area by County



Cheyenne						:	Ellis	Russell		Saline	Dickinse	ni.	·	(	·····			Johnsor
;	Gre	eeley : v	Michita			Ness			Ellsworth	Same			:	Osage	Franklin	Miami	Cass	000000
Kiowa				Scott	Lane	14633	Rush	Barton	Dies		: 		Lyon					Henry
	·····		••••••			·····	Devenee		Rice	Mcphersor	ni Mario	n : Chas	e	Coffey	Andersor	Linn	Bates	-
Bent Prowe	ers Har	nilton . µ	(0010U	Finr	$_{1ey} \Psi_{32}^{1;1}$	.73 Hodgeman	Pawnee			·	÷					····		-
COLORADO		intoiri p	learny					Stafford						: Woodsor	Allen	: Bourbon		
·			••••••		Gray		Edwards	K A	пэн	3	Wich	Butler nita	Greenwood			; ;	Vernon	
	Sta	nton 🗄	Grant	Haskell		Ford	Kiowa	Pratt	Kingman		- :			Wilson	Neosho	Crawford	MISS Barton	
: Baca		····;l			· · · · · · · · · · · · · · · · · · ·	1							Elk			Ļ		Dade
- Daca					Meade	Clark	-	Barber		Sumr	ner :	Cowley		Montgome	1	Cheroke	Jasper	r 🕴
The second se	Mon	ton St	tevens	Seward			Comanche		Harpe				Chautauqu :	ā.	Labette			
(							VV.	oods	0.16-16-		Kay	,				Ottaw	a Newto	n >
Cimarron		Теха	IS	E	eaver	Harp				Grant	- Nay	and the second sec		Now	ata Crai	g	Medon	ald B
							UKL	AHO	M A			2A	sage		i 			
Dallam		Han	sford	Ochiltree	Lipscon	h	Woodward			Garfield	Noble	$\mathbb{Z}^{n}$	÷	Rog	ers	Delaw	are Ber	nton
	Sherma	n			:	Ellis		Majo	or	Sarneiu		Pawi	nee	Tulsa	May	BS	- J.	
•••••••			·····			u	NIT	ED	ST	ATE	s Pe	ayne	S	Tulsa W	agoner .	1	Wash	nington:
Hartley	Moore	Hutch	ninsor	Roberte	Hemphi	1.4.4	Dev		aine Kingt				Creek	l	0	herokee ,4	Adair	
	<u>.</u>	TIGLOT		Roberts	: Hemphi	Roger M	ills <sub>Cus</sub>		- <u>-</u>	Okla	home	Lincoln		- H	du al cara		Crav	wford
	Potter						Cus	ster	Cana	dian	Oklahor	na City	Ok Okfuskee	mulgee P	Muskugee	Sequ	Jyan .	≥_`
Oldham		Car	son	Gray	Wheeler		10/		- L				1	Melr	ntosh	2 <sup>- 2</sup> 4	1	70
••••••	···	marillo	·			Beckha	m <sup>vva</sup>	shita (	Caddo		veland	Semi	nole	i) Second	Ha	skell		A
Deaf Smith	Randall	Armst	trong		: Collingswor	th			G	rady	Pott	awatomie	Hughes	Č.	- parla			Scott
				Donley	:	Gr	eer Kio	owa			ain Annsin	nt Ser	94 - E	Pittsbur	g Latin	ner La	Flore	\$
Parmer Castro				1	·····	Harmon	an the second	Coma	nche 🦾		Garvin	Ponto	00		-			ີ ອ
Castre	) Swisl	ner : B	riscoe	Hall	Childre		ackson	····	St	ephens 🛄		IFF OV	Coal		Pushmata			Polk
······	÷				<u>.</u>	Hardemar	∽∕√ п	lman			1	Johns	ton At	oka	usrinata	r ici		
Bailey: Lamb					Cottle	1			otton	fferson	Carter	, ku wa				Mee	urtain 🚆	
Bailey: Lamb	Hale	Flo	oyd	Motley	-		Wilbarger	Wichita	1 - 6	incison .	Love	Marshall	Bryan	d	hoctaw	A	0	evier .
	: Lubbocł	k Cro	sbv			Foard				54	Sw)	1	San I	متحاشيه ستحاطهان	- Wenner -	a . There is a set	Litt	tle Rivei
Hockley		bock		Dickens		-	Baylor	Archer	Clay	Montague	Cooke		Y	1	amar	Red Rive	12 22	8-460-4
	Ŭ				King	Knox		тех	A. S.			Gray:	son Far	nin 🦾	· •		1	wie
(oakum Terry	Lynn	Gar	79							10úec			allia	Del	ta ····	Titus	New Jose	and <sup>and</sup>
i city	Lynn	Gar	20	Kent	Stonewa	: Haskell	Throckmorto	Young	Jack	1	Den		ollin P <b>lano</b> <sup>H</sup>	lunt F	lopkins	nus	1 1	lass
	······································	.i		·· ····.						.i	Carroll		Garland	1.000	·	Camp	×	
Gaines D	:	-	Sc	urry : F	isher					Fort Wor		ng G	Mesquit	e Rain	is: Woo	d Upst	nur	Marion
Damios Di	awson	Borden				Jones SI	hackelford S	tephens P	alo Pinto :	Parker :	Tarrant	Da	alfas		1994 - L		71	rrison
·····				·····				i		Hood		:	Kaufma	N Van Zz		Smith 🖓		mson
Andrews M	1artin i	Howard	Mito	hell : M	lolan	Taylor Abi	l <b>ene</b>   allahan	Eastland	Erath	J.	ohnson	Ellis		·· <del>·</del> ·····			(	Denelo
© 2001 Microsoft (	Corp. All r	ights res	erved.	1			andrian	1997 B		Y	an the second	N. 12	Navarro	Hender	son		:	Panola

#### Figure 5. Decimal Fraction Surveyed (Sq. Miles) by County





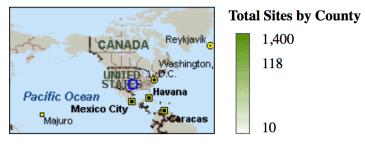
Decimal Fraction Surveyed (Sq. Miles) by County

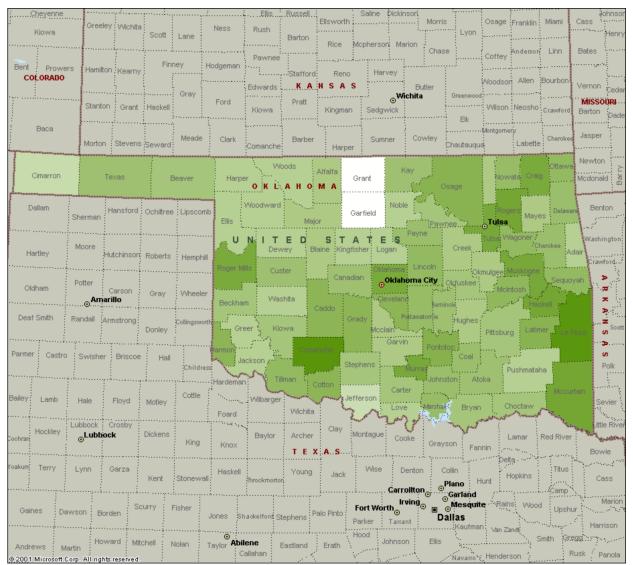


0.0001

# Figure 6. Total Sites by County

Kiowa	Greeley	Scott Lane	Rush Ness Barton	Rice Mopherson Marion Chas	e Lyon Bates
Bent Prowers	Kearny	: Finnev Ho	daeman :: etattard	Reno Harvey	сопеу.
; Baca	Stanton Grant	Haskell	Ford Edwards Kiowa Pratt	ISAS <b>Wichita</b> Kingman <sup>Sedgwick</sup>	Neosho Wilson Fik
	Morton Stevens	Meade	Clark Comanche Barber	Harper Sumner Cowley	Montgomery Cheroke Jasper
Cimarron	Texas	Beaver	Harper Woods A	Ifalfa Grant Kay M A	Nowata Craig Mcdonald
	erman Hansford	:	Ellis Woodward N I.T.E.D	Corfield Mehle	Bogers Delaware Benton Tulsa Mayes
Hartley	loore Hutchinsor	Roberts Hemph	Dewey Bla	ine Kingfisher Logan	Creek Tulsa Cherokee
Oldham	otter Carson	Gray Wheele	Beckham Washita Co	Canadian Oklahoma C Qevelard	
Deaf Smith <sub>Ra</sub>			1	Grady	nde Pittsburg
· · · · · · · · · · · · · · · · · · ·	Swisher Briscoe		Tillman 👘	che Stephens Murray	Pushmatahe
Bailey: Lamb H	Hale Floyd	Motley Cottle	Hardeman Co Wilbarger	Uefferson Uefferson Clay Montague Conke Grav	Choctaw Seviers
Hockley Lui	• <b>Lubbock</b>	Dickens: King	Knox Baylor T E X	A C	Fannin
Terry L	ynn Garza	Kent Stonewal	Haskell Young Throckmorten	Jack Wise Denton	Plano Hunt <sub>Hopkins</sub> Titus Cass Mesquite <sup>Wood</sup> Upshur Marion allas <sub>Van Zandt</sub> Smith Harrison
Gaines <sub>Daws</sub>	on Borden Sc	urry Fisher	ones Shackelford Stephens	Palo into Fort Worth Parker Tarrant D	Mesquite Wood Upshur Marion, allas
Andrews Marti 2001 Microsoft Corp	D Howard Mito All rights reserved	chell Nolan	Callahan : Eastland :	Erath Hood Johnson Ellis	van Zandt, Smith Harrison





#### Figure 7. Percentage Surveyed (Sq. Miles) by County



Percentage Surveyed (Sq. Miles) by County



0.0001

Cheyenne								:	Saline	Dickinson	······	1		Johnson
Kiowa	Gree	ley Wichits	Scott	Lane	Ness	Rush	Barton	Ellsworth Rice	Mcphersor	Marion	Morris Lyon Chase		anklin Miami derson Linn	Cass Henry Bates
Bent Prower	'S Hamil	on Kearny	Finr	ney F	lodgeman		Stafford			/ey		. Cottey	Allen Bourbon	······
	 Stant	on Grant	Haskell	Gray	Ford	Edwards Kiowa	Pratt	N S A Kingma	·····	Butl • Wichita vick	er Greenwoo	d	eosho Crawford	Vernon <sub>Cedar</sub> MISSOURI Barton <sub>Dade</sub>
Baca	Morto	n Stevens	Seward	Meade	Clark	Comanche	Barber	Harp	Sumr	ner Cow	ley Chautauqu	Montgomeny IS L	abette Cheroke	Jasper
Cimarron		Texas	E	3eaver	Harpe	er 🚻.	oods	Alfalfa M A	Grant	Kay	Osage	Nowata	Ottawa Craig	Newton
Dallam	Sherman	Hansford	Ochiltree	Lipscom	Ellis	Woodward	Maj		Garfield	Noble	Pawnee	Rogers Tulsa	Mayes Delawa	Benton
Hartley	Moore	Hutchinson	Roberts	Hemphill	Roger M	• • • • • • • • • • • • • • • • • • • •		S T laine King	fisher Log	S	Creek	Tulsa: Wago kmulgee: Mus	Cherokee	Washington dair Crawford
Oldham	Potter	Carson arillo	Gray	Wheeler	Beckha	14/6	shita	Cana	idian o		Note Seminole	McIntos	Seque	yah P R R R R R R R R R R R R R R R R R R
Deaf Smith	Randall	Armstrong	Donley	Collingswort	Gri	eer Ki	owa			Pottawato ain Garvin	nugries	Pittsburg	Latimer Le	in Z and
Parmer Castro	Swishe	r Briscoe	Hall	Childres		ickson	Com	ancheS	·····	Murray	Pontotoc Coal	Pusl	hmataha	<b>so</b> Polk
Bailey Lamb	Hale	Floyd	Motley	Cottle	Hardemar Foard	VVilbarge	<b>~</b>	× 5	efferson	Carter Love	Brya		taw	rtain Sevier
Cochran Hockley	Lubbock © <sup>Lubb</sup>	Crosby ock	Dickens	King	Knox	Baylor	Archer	Clay	Montague		Grayson Fa	Lam nnin		ittle River Bowie
Yoakum Terry	Lynn	Garza	Kent	Stonewall	Haskell	Throckmorte	Young	Jack	Wise	Carrollton	Collin OPlano	Delta Hunt Hopi	kins Titus	Cass
Gaines Dav	wson B	orden	urry (	Fisher	Jones St	ackelford: S	tephens <sup>F</sup>	Palo Pinto	Fort Wor	th <sub>⊙</sub> Tarrant	o <sub>⊙</sub> Gariand ∎ ⊙ <sup>M</sup> esqui Dalfas	<b>te</b> Rains <sup>IN</sup> Van Zandt	Wood Upsh	Marion ur Harrison
Andrews Ma	artin :	ward Mit	chell p	Volan	Taylor Abil	l <b>ene</b> allahan	Eastland	Erath	Hood	ohnson	Ellis	Henderson	Smith Gr	egg Rusk Panola

### Figure 8. Distribution of Paleoindian Sites by County



Paleoindian Sites by County



Cheyenne		· · · · · · · · · · ·					Russell		Saline Dick	insori				Johnson
: Kiowa	Greeley	Wichita	Scott	Lane	Ness	Rush	Barton	Ellsworth Rice	Mcpherson M	larion Chas	Lyon	Osage Franklin Anderson		Cass Henry Bates
Bent Prowers	s Hamilton	Kearny	Finr	ney	Hodgeman		Stafford		Harvey			Coffey Woodson Allen		······
	 Stanton	Grant	Haskell	Gray	Ford	Edwards Kiowa	Pratt	NSA Kingman	•••••	Butler Vichita	Greenwood	Wilson Neosho	Crawford	Vernon Cedar MISSOURI Barton Dade
Baca	Morton	Stevens	Seward	Meade	Clark	Comanche	Barber	Harpe	 Sumner	Cowley	Chautauqu	Montgomeny a Labette	Cherokee	Jasper
Cimarron	Те	kas	E	Jeaver	Harpe	er in .	oods AHO		Grant	Kay	)sage	Nowata Crai	Ottawa	Newton
Dallam	Sherman Ha	ansford	Ochiltree	Lipscom	b Ellis	Woodward	Maj		Garfield Not	Paw	С. пее.:::	Rogers <b>Tulsa</b>	Delawa	Benton
Hartley	Moore Hut	chinson	Roberts	Hemphil		N I T Dev			ATES isher Logan		Creek	Tulsa: Wagoner G mulgee: Muskogee		Washington lair Crawford
Oldham	Potter Ca		Gray	Wheeler	Beckha	10/00	shita	Canad		homa City	Okfuskee	McIntosh	Sequo	A A K A
Deaf Smith I	Randall Arm		Donley	Collingswor	th Gri	eer Kio	owa		rady Mcclain Garv	/in		Pittsburg Latin	ier Le F	and Z and
Parmer Castro	Swisher	Briscoe	Hall	Childre		ickson	·	inche		Ponto Murray John:	Coal	Pushmatal	na	Polk
Bailey Lamb			Motley	Cottle	Hardemar	VVilbarger	<b>N</b>		fferson Lo	rter			Moour	Sevier
Hockley L	Lubbock Cr	rosby (	Dickens	King	Knox	Baylor	Archer	Clay	Montague <sub>Co</sub>	ooke Gray	son Fan		Red River	Little River Bowie
Yoakum Terry	Lynn G	arza	Kent	Stonewa	Haskell	Throckmorto	Young	Jack	Wise Car Fort Worth	rollton O	Collin Plano H	Delta Hopkins	Titus Camp	Cass
Gaines Davi	vson Borde	en Sci	urry F	isher	Jones St	nackelford: S	tephens P	alo Pinto	: •	D	alfas	<b>e</b> Rains Wood	Upshu	Marion r Harrison
Andrews Mar @ 2001 Microsoft Co	1		hell N	lolan	Taylor Abil	l <b>ene</b> allahan	Eastland	: :	Hood Johns	on Ellis			mith Gre	<b>gg</b> usk Panola

#### Figure 9. Distribution of Archaic Sites By County



Distribution of Archaic Sites By County



Cheyenne		····				Russell		Saline Did	kinsor <b>i</b>				Johnson
; Kiowa	Greeley <sub>Wic</sub>	hita Scott	Lane	Ness	Rush	Barton	Ellsworth Rice	Mcpherson 1	Marion Chas	Lyon	Osage Franklin		Henry
Bent Prowers COLORADO	Hamilton Kea	rny	ey Ho	dgeman		Stafford					Coffey Allen		· ·
·	Stanton Gra	int Haskell	Gray	Ford	Edwards Kiowa	Pratt	N S A Kingmar	•	Butler Wichita	Greenwood	Wilson Neosho		non Cedar ISSOURI Iton Dade
Baca	Morton Stev	ens Seward	Meade	Clark	Comanche	Barber	Harpe	Sumner	Cowley	Elk Chautauqua	Wontgomery Labette		sper
Cimarron	Texas	Be	eaver	Harpe	er 👬 .	oods AHO	Alfalfa M A	Grant	Kay	)sage	Nowata Craig	Ottawa Ne Mco	wton Jonald
Dallam	Hansfo	rd Ochiltree	Lipscomb	Ellis	Woodward	Maj		Garfield	ible Paw Pavne	2 nee D	Rogers Tulsa	S Delaware	Benton
Nartley	vloore Hutchins	on Roberts	Hemphill	Roger Mi	N I T Dev		S T Iaine King			Creek		erokee Adair	Vashington: Crawford
Oldham P	Potter Carsor OAmarillo	<sup>1</sup> Gray	Wheeler	Beckhar	18/0	shita	Cana		ahorna City	Okfuskee	nulgee: Muskogee McIntosh Has	Sequoyah	ARKA
DeafSmith Re	andall Armstror	ig Donley	Collingsworth	Gre	eer Kii	owa	Caddo	Mcclain	Pottawatomie	Hughes	Pittsburg Latim		A Scott
Parmer Castro	Swisher Bris	coe Hall	Childress		ickson	Com	ancheS	tephens	Murray John:	Coal	Pushmatah	a	s Polk
	Hale Floyd		Cottle	Hardemar	VVilbarger	<u> </u>	M 2	efferson Ca	arter Warshal		Choctaw	Mccurtain	Sevier
Hockley Lu Cochran	ibbock Crosby OLUDDOCK	Dickens	King	Knox	Baylor	Archer	Clay X .AS	Montague C	Cooke Gray	son Fan	nin	Red River	Little River Bowie
Yoakum Terry L	.ynn Garza		Stonewall	Haskell	Throckmorto	Young	Jack	VVise Ca	Denton C rroltton	Collin Plano <sup>Hi</sup>	Delta Hopkins	Titus	Cass
Gaines Daws	on Borden	Scurry Fi	isher Jo	ines Sh	ackelford S	tephens F	Palo Pinto		D.	alfas	Rains Wood		Marion Harrison
Andrews Martir © 2001 Microsoft Corp	n :		olan Ta	ylor Abil	<b>ene</b> allahan	Eastland	Erath	Hood John	son Ellis	5. 341		nith Gregg Rusk	Panola

#### Figure 10. Distribution of Woodland Sites By County



Distribution of Woodland Sites By County

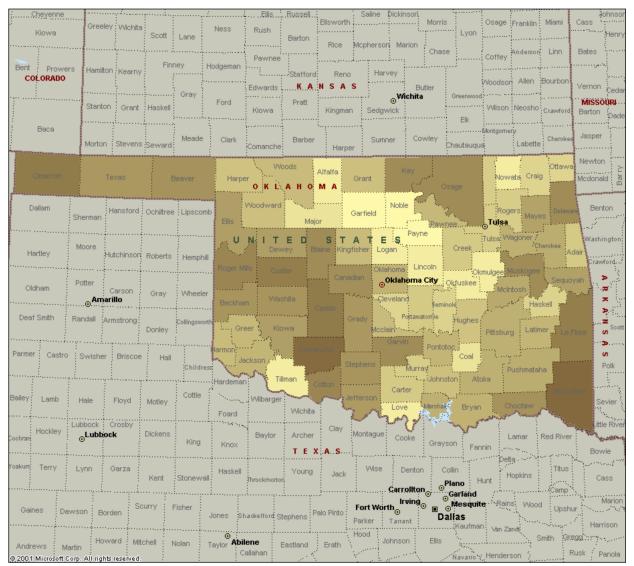


Cheyenne					1	Filis	Russell		Saline Di	ickinsor <b>i</b>		< ?			Johnson
Kiowa	Greek	9y Wichita	Scott	Lane	Ness	Rush	Barton	Ellsworth Rice	Mcpherson	Marion M	lorris Lyon			Miami 	Cass Henry
Bent Prower COLORADO	rs Hamilti	on Kearny	Fini	ney	Hodgeman		Stafford		Harve	y	Chase	Coffey Woodson	Anderson Allen E		Bates
	··· Stanto	n Grant	Haskell	Gray	Ford	Edwards Kiowa	Pratt	NSA:		Butler Wichita	r Greenwoo Elk	d	Neosho		Vernon <sub>Cedar</sub> <b>MISSOURI</b> Barton <sub>Dade</sub>
Baca	Morton	Stevens	Seward	Meade	Clark	Comanche	Barber	Harper	 Sumner	r Cowle		Montgomer IS	v Labette	Cherokee	Jasper
Cimarron		Texas	E	Beaver	Harpe	er 👬 .	oods AHO		Grant	Kay		Nowa	ata Craig	Ottawa	Newton
Dallam	Sherman	Hansford	Ochiltree	Lipscor	nb Ellis	Woodward	Majo		≷arfield	loble	Pawnee	Roge	ers Maye:	s Delawa	Benton
Hartley	Moore	Hutchinson	Roberts	Hemph		Dev	e D vey Bl	<b>S T</b> aine Kingf			Creek	Tulsa: Wa	igoner Ch	erokee "A,	Washington dair Crawford
Oldham	Potter	Carson Irillo	Gray	Wheele	Roger M er Beckhai		ster shita	Canac	iian <sub>o</sub> ok	d <b>ahoma Cit</b>	Qkfuskee }eminole	anuigee M	uskogee tosh Hasl	Sequo	yah D R R A
Deaf Smith	Randall "	rmstrong	Donley	Collingswo	orth Gre	eer Ki	owa	G	rady Mcclair	Pottawatom	÷ ÷	Pittsburg			Flore Scott
Parmer Castro	Swisher	Briscoe	Hall	Childr	228	ickson	innen (man	nche Ste	phens	Murray	ontotoc Coal	Pu oka	ushmatah	a	Polk
Bailey Lamb	Hale	Floyd	Motley	Cottle	Foard	Wilbarger	Wichita	otton	fferson	Carter	rshak Bryai		ioctaw	hiceu	Sevier
Hockley Cochran	Lubbock O <sup>Lubbic</sup>	Crosby ICK	Dickens	King	Knox	Baylor	Archer TEX	Clay	Montague	Cooke G	Grayson Fa	Li nnin	amar F	Red River	Little River Bowie
Yoakum Terry	Lynn	Garza	Kent	Stonewa	Haskell	Throckmorto	Young	Jack	Wise	Denton arroliton	Collin OPlano		a opkins	Titus Camp	Cass
Gaines Dar	wson Bo	rden So	urry (	Fisher	Jones St	ackelford S	tephens P		Fort Worth		odinanu Mesqui Dalfas				Marion ur Harrison
Andrews Ma © 2001 Microsoft C	artin		chell j	Volan	O Taylor A⊅il C	i <b>ene</b> allahan	Eastland	Erath	Hood Joh	nson E	Ellis Navarro`		, Sr	nith Gt( F	

#### Figure 11. Distribution of Village Farming Sites By County



Distribution of Village Farming Sites By County



#### Figure 12. Distribution of Historic Sites By County



Distribution of Historic Sites By County