

**A Directory of**  
**TREE-RING DATED NATIVE AMERICAN SITES**  
**in the**  
**AMERICAN SOUTHWEST**

**by**

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Between 1966 and 1975, the Laboratory of Tree-Ring Research (TRL) published a series of 16 reports, the so-called quadrangle series, listing all dated sites from a specific area with their associated dates as of the year of publication. The data contained in this series are still, with a few minor corrections, useful and valid, but have been substantially augmented in the last 18 years by new dates from previously and newly dated sites. As a measure of this increase, a tabulation at the conclusion of the quadrangle series listed totals of 923 dated sites and 18,803 dates. These figures included prehistoric, Native American (excluding the Navajo Land Claim), and historic European sites. A companion volume to this inventory (Robinson and Cameron 1991) lists more than 1300 sites and more than 27,000 dates for the prehistoric sites alone. The inventory presented here lists more than 1400 dated sites and nearly 9300 dates for the Native American sites (now including the Navajo Land Claim) in the Southwest. Thus, both categories have increased nearly threefold in the past 18 years.

Presentation of data in the quadrangle format, that is, listing of dates in standard typographic form, suffers from being obsolescent almost from the instant of publication as new material from the area of coverage is received. Furthermore, this format cannot be easily or cheaply updated. Thus, rather than routinely updating the quadrangle series with 16 (or more) individual volumes, the TRL has developed a microcomputer database that summarizes site and dating information in a single file. Although this data base lacks the details of individual dates, it gains from absolute currency. As soon as new material is processed by the TRL and a report issued to the principal investigator, the information is entered to the data base and is available for hard copy or data searches. As outlined below, detailed listings on a site-by-site basis will, however, continue to be available by xerographic means.

## THE DIRECTORY

This directory contains all dated Native American sites in the American Southwest. These sites include those occupied by the Navajo, Apache, Ute, and various Pueblo villages inhabited during the historic period. Most of the sites in the database postdate A.D. 1700, but a small number predate the Pueblo Revolt of A.D. 1680. These earlier sites are included in the inventory to make it a more coherent body of data useful for research into single cultural groups or areas.

Due to several factors, the vast majority of sites in the database are Navajo in origin and require some explanation. Although several different chronological schemes have been developed for Navajo culture history, it was decided that only the pre-Ft. Sumner era sites would be specifically labeled. All post-Ft. Sumner sites are either labeled "Recent" or carry no period designation. Thus only Dinetah, Gobernador, Cabezon, de Chelly, del Muerto, or Recent designations are used for the Navajo sites. Navajo pueblitos, located primarily in northwestern New Mexico, are treated as a special case. In order to separate pueblito structure dates from the associated forked-stick hogan dates, "Pueblito" is used as a culture designator and "Gobernador" as the period. If dates are derived from associated hogans (or ancillary structures), "Navajo" is the culture designator and the period remains "Gobernador." This separation is purely a database management tool and does not imply cultural or ethnic separation.

Two complementary listings are included. Listing 1 is organized geographically - alphabetically by state and quadrangle (refer to Figure 1). This allows easy comparison with data published in the quadrangle series and the isolation of newly-dated sites. Listing 2 is temporal with the site with the earliest terminal ("Late") date first and that with the latest date last. Because the entire suite of dates from a site or component is considered, these dates may not be wholly representative of the site dating.

## THE DATABASE

The database is written in dBase IV and runs in a compiled version. Both programs and data are installed in microcomputers in the Archaeological Research Section of the TRL. The database is updated on approximately a monthly schedule. The program allows searches for subsets using standard dBase IV syntax. Output of the search is in the form of hardcopy (a subset of the directory) or as a delimited ASCII file of UTM data on floppy disk fulfilling the search criteria. This latter form may be valuable for those wishing to interface directory data with their own mapping or plotting programs. The TRL is developing an CAD base map of the Southwest that will accept subset data for visual presentation.

To facilitate analyses of tree-ring data, requests for searches of the database will be accepted by the TRL. A nominal charge will be assessed to cover the costs of reproduction and mailing.

It should be stressed that the dating summaries (the final three columns) should be used only as broad guidelines for site dating. Only detailed and complete dating information should be used for either site or regional analysis. For example, this directory does not provide the means either to identify outlier dates or to detail provenience. Analyses of these data must be based not only on specifics, but on the guidelines provided by Ahlstrom (1985), Dean (1978a, 1978b, 1986), and a modicum of common sense.

A final caveat: we have done our best to insure the accuracy of the data presented, but have been challenged frequently by the lack of access to site descriptions and locations. This is especially true for many of the Navajo Land Claim sites. If you wish to improve the directory by sending us updated site information, we will welcome your participation.

#### REFERENCES

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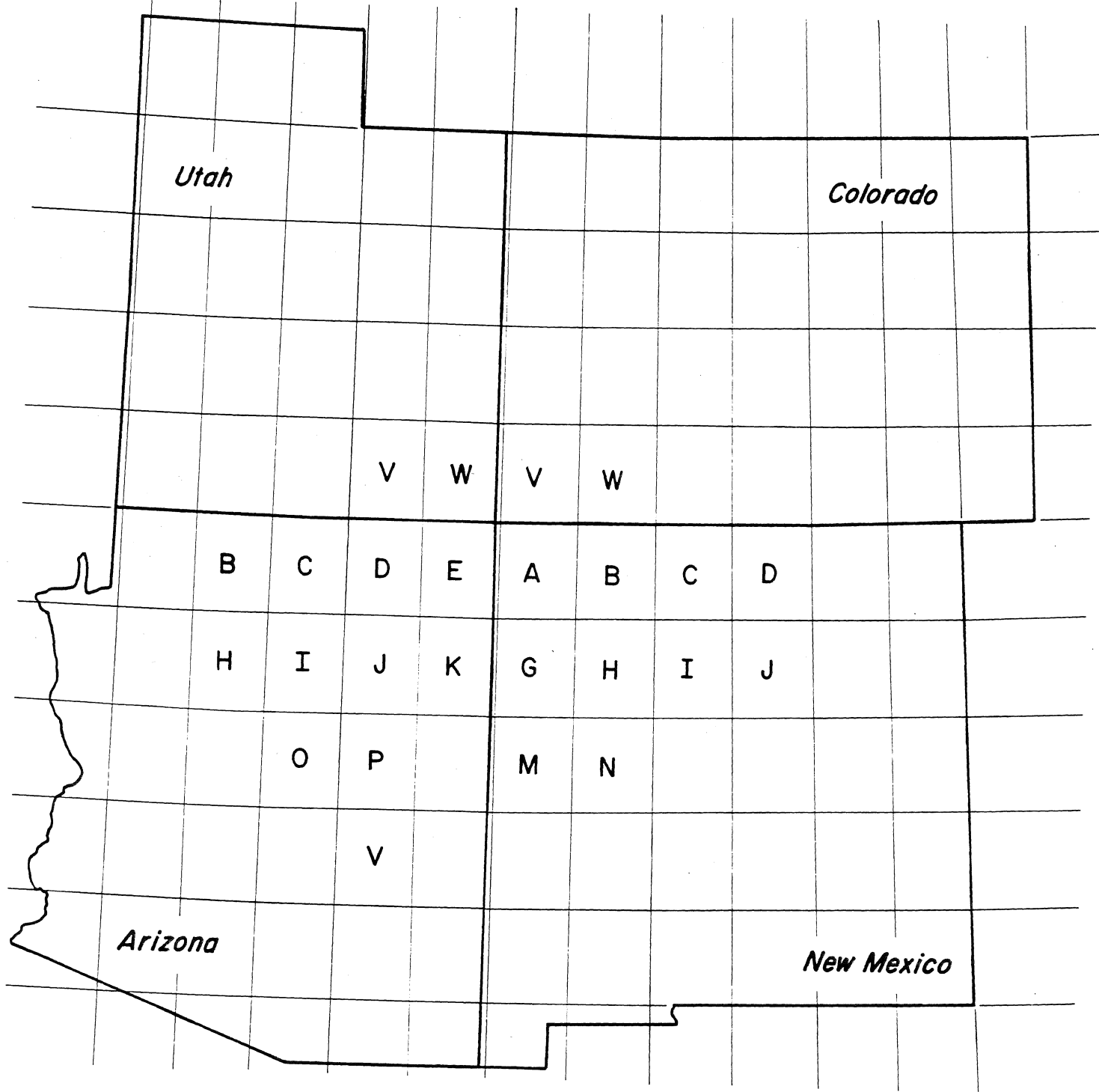
#### ACKNOWLEDGEMENTS

We express our gratitude to the Archaeometry Program of the National Science Foundation which, under Grant BNS-8504241, provided critical support for all aspects of the data base. Ron Towner had the responsibility of collating the data from Tree-Ring Lab files, Navajo Land Claim records, maps, and other diverse sources. His was a task far beyond ordinary co-authorship. Finally, Carrie Dean undertook, with good cheer and unflinching accuracy, the routine of data entry. She is due a large measure of thanks.

## EXPLANATION OF COLUMN HEADINGS

- State/Quad** - This alpha/numeric code is an internal file control used by the TRL. Although the alpha corresponds to the Arizona State Museum Survey System (Figure 1), the numeric sequence is unique to the TRL.
- Site Name/Number** - We have chosen, perhaps arbitrarily, the most common name if, indeed, the site is named. Otherwise, the survey number of the state/institution is used. Failing all else, a field designation is employed.
- Culture** - This is a broad, and loose, designation, included mainly for searching purposes.
- Period** - Also a broad, and loose, category, included for database searching purposes.
- UTM, East, North-** Self-evident. UTM's are used as given by principal investigators or as determined from site placement on 7.5' quad maps. The accuracy of the location may be judged by the number of trailing zeros. Many sites could be placed only to the nearest 1000 meters at best.
- Elev** - Elevation, in feet, as given by principal investigators or as determined from 7.5' quad maps.
- T** - Site type. 1 = primarily pit structures; 2 = primarily surface structures; 3 = midden context.
- S** - Site situation. Open or Sheltered.
- R** - Number of structures. 1 = 1 to 3; 2 = 4 to 10; 3 = more than 10. This is a gross measure of site size.
- Num** - Total number of dates from the site/component.
- EC** - Earliest cutting date from the site/component.
- Late** - Latest date, cutting or not, from the site/component.
- C** - Number of date clusters.

**Figure 1. Quadrangles with Dated Native American Sites.**



*Utah*

*Colorado*

*Arizona*

*New Mexico*

V W V W

B C D E A B C D

H I J K G H I J

O P M N

V



**LISTING BY STATE AND QUADRANGLE**

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
AZB00201	GRAND CANYON HOGAN	NAVAJO	RECENT	12 402000	3989000	7000	2	0	1	2	1863	1863	
AZB00501	HAVASUPAI GROUP	HAVASUPAI	RECENT	12 342000	4011000	5600				6		1915	
AZC00801	NLC-W-LLC-B-E	NAVAJO	RECENT	12 434000	4035000	6200	2	0	1	1	1907	1907	
AZC01001	NLC-W-LLC-B-M	NAVAJO	RECENT	12 429000	4009000	6100	2	S	1	1	1898	1898	
AZC01101	NLC-W-LLC-C-B	NAVAJO	CABEZO	12 431000	3983000	7000	2	0	1	11	1793	1803	1
AZC01201	NLC-W-NM-NC-C	NAVAJO	RECENT	12 495000	4069000	6200	2	0	1	4	1874	1885	
AZC01301	NLC-W-NM-NC-D	NAVAJO	RECENT	12 501000	4068000	5500	2	0	1	7	1887	1895	1
AZC01601	NLC-W-NM-NC-N	NAVAJO	CABEZO	12 475000	4070000	6000	2	0	1	6	1815	1815	1
AZC01701	NLC-W-NM-NC-P	NAVAJO	RECENT	12 470000	4070000	6000	2	0	1	1		1862	
AZC01801	NLC-W-NM-NC-O	NAVAJO	CABEZO	12 471000	4070000	6000	2	0	1	1		1818	
AZC01901	NLC-W-NM-NC-V	NAVAJO	RECENT	12 472000	4070000	6000	2	0	1	4	1819	1884	1
AZC02301	GC-276	PAIUTE		12 419500	4008000	7900	3	S		1		1786	
AZC02302	WP-37	PAIUTE		12 418000	4002000	8000	2	S	1	1		1798	
AZC02401	NA 10919	NAVAJO	RECENT	12 473000	4052000	5700	2	0	1	8		1930	1
AZC02402	NA 10921	NAVAJO	RECENT	12 481000	4048000	5700	2	0	1	7	1935	1935	
AZC02403	NA 11006	NAVAJO	RECENT	12 468000	4071500	5000	2	0	1	3		1940	
AZC02404	NA 11007	NAVAJO	RECENT	12 468000	4071000	5000	2	0	1	1		1928	
AZC02405	NA 11015	NAVAJO	RECENT	12 486900	4043900	6000	2	0	1	2		1947	
AZC02406	NA 11016	NAVAJO	RECENT	12 487500	4043500	6000	2	0	1	15	1912	1922	3
AZC02407	NA 11017	NAVAJO	RECENT	12 487000	4043000	6000	2	0	1	3	1922	1922	1
AZC02408	NA 11018	NAVAJO	RECENT	12 479000	4042000	6000	2	0	1	4	1927	1928	
AZD02601	NA 13767	NAVAJO	RECENT	12 569300	402870	6760	2	0	1	2		1950	
AZD02602	NA 13772	NAVAJO		12 569070	4005425	6420	2	0	1	1		1888	
AZD02603	NA 14020	NAVAJO	RECENT	12 569350	4001135	6560	2	0	1	11	1936	1940	2
AZD02604	NA 14016	NAVAJO		12 562500	4013500	6800	2	0	1	4		1796	
AZD02605	NA 14019	NAVAJO	RECENT	12 563220	4015810	6660	2	0	1	4	1924	1925	1
AZD02606	NA 14021	NAVAJO	RECENT	12 560260	4016640	6580	2	0	1	5	1920	1931	
AZD02607	NA 14026	NAVAJO	RECENT	12 559870	4016550	6560	2	0	1	8	1920	1975	1
AZD02608	AZ-J-44-11B (NNCRMP)	NAVAJO	RECENT	12 552230	4018140	6600	2	0	1	8	1949	1952	1
AZD02609	JUA-78-52 (NNCRMP)	NAVAJO	RECENT	12 561000	4017000	6500	2	0	1	3	1934	1939	
AZD02610	JUA-78-150 (NNCRMP)	NAVAJO	RECENT	12 569875	4000650	6520	2	0	1	4	1926	1927	
AZD02611	JUA-78-152A (NNCRMP)	NAVAJO	RECENT	12 569885	4000450	6520	2	0	1	3	1952	1960	1
AZD02612	AZ-J-44-3 (NNCRMP)	NAVAJO	RECENT	12 554350	4017920	6660	2	0	1	4		1916	
AZD02613	AZ-J-55-18 (NNCRMP)	NAVAJO	RECENT	12 568650	4006850	6340	2	0	1	4		1934	1
AZD02614	AZ-J-44-10 (NNCRMP)	NAVAJO	RECENT	12 554450	4017980	6580	2	0	1	19	1928	1959	3
AZD02615	NA 13787	NAVAJO	RECENT	12 562240	4013160	6870	2	0	1	6	1923	1925	
AZD02616	N 41-9 (NNCRMP)	NAVAJO	RECENT	12 559350	4017275	6610	2	0	1	52	1886	1978	1
AZD02617	AZ-J-55-16 (NNCRMP)	NAVAJO	RECENT	12 568950	4006560	6410	2	0	1	2		1967	1
AZD02618	AZ-J-55-5A (NNCRMP)	NAVAJO		12 569620	4001180	6550	2	0	1	1		1935	
AZD02619	AZ-J-58-1 (NNCRMP)	NAVAJO	RECENT	12 569880	3995240	6320	2	0	1	1		1952	
AZD02620	JUA-78-152B (NNCRMP)	NAVAJO	RECENT	12 569805	4000550	6500	2	0	1	6	1952	1960	1
AZD02622	N 41-16 (NNCRMP)	NAVAJO	RECENT	12 554775	4017990	6560	2	0	1	11	1938	1939	1
AZD02623	NA 14013	NAVAJO	RECENT	12 562180	4012370	6950	2	0	1	3	1945	1945	
AZD05901	NA 8607	NAVAJO		12 550000	4050000	7000		0	1	1		1816	
AZD08801	NLC-W-LLC-BC-B	NAVAJO	RECENT	12 581000	3990000	6300	2	0	1	3	1868	1869	1
AZD08901	NLC-W-LLC-BC-C	NAVAJO	RECENT	12 581000	3990100	6300	2	0	1	3	1868	1868	1
AZD09301	NLC-W-LLC-BC-I	NAVAJO		12 581500	3990500	6500	2	0	1	1		1803	
AZD09401	NLC-W-LLC-BC-J	NAVAJO	RECENT	12 581500	3990800	6700	2	0	1	2	1869	1869	1
AZD09501	NLC-W-LLC-BC-K	NAVAJO		12 581400	3994300	6600	2	0	1	2	1870	1870	
AZD09601	NLC-W-LLC-BC-L	NAVAJO	DECHEL	12 581200	3993200	6500	2	0	1	2	1853	1853	
AZD09801	NLC-W-LLC-BC-Q	NAVAJO		12 581800	3993500	6600	2	0	1	1		1850	

State/Quad	Site Name/Number	Culture	Period	UTM	East	North	Elev	T	S	R	Num	EC	Late	C
AZD09901	NLC-W-LLC-BC-S	NAVAJO		12	581900	3991000	6300	2	0	1	1		1824	
AZD10001	NLC-W-LLC-BC-T	NAVAJO	DECHEL	12	580200	3990300	6600	2	0	1	4	1844	1844	
AZD10101	NLC-W-LLC-BC-X	NAVAJO		12	583900	3991000	6700	2	0	1	3		1846	
AZD10301	NLC-W-LLC-DO-B	NAVAJO	RECENT	12	581500	3989700	6200	2	0	1	2	1898	1901	
AZD10401	NLC-W-LLC-DO-D	NAVAJO		12	581900	3989000	6300	2	0	1	1		1874	
AZD10501	NLC-W-LLC-DO-E	NAVAJO		12	582000	3989400	6200	2	0	1	1		1854	
AZD10601	NLC-W-LLC-DO-F	NAVAJO		12	582000	3989800	6300	2	0	1	2		1858	
AZD10701	NLC-W-LLC-DO-G	NAVAJO		12	581000	3990000	6500	2	0	1	2	1772	1788	
AZD10801	NLC-W-LLC-DO-H	NAVAJO		12	581900	3989000	6400	2	0	1	1		1844	
AZD11001	NLC-W-LLC-DO-L	NAVAJO		12	582000	3989200	6200	2	0	1	1		1808	
AZD11201	NLC-W-LLC-DO-P	NAVAJO	RECENT	12	582500	3990600	6500	2	0	1	2	1869	1874	
AZD11401	NLC-W-NM-PC-U	NAVAJO		12	566000	4090000	6000	2	0	1	6	1845	1860	
AZD11501	NLC-W-LLC-DZ-B	NAVAJO		12	567500	3992000	7000	2	0	1	1		1843	
AZD11701	NLC-W-LLC-DZ-D	NAVAJO	RECENT	12	56700	3991600	6700	2	0	1	3	1874	1875	
AZD11801	NLC-W-LLC-DZ-G	NAVAJO		12	567900	3992000	7000	2	0	1	1		1805	
AZD12101	NLC-W-LLC-DZ-K	NAVAJO		12	567000	3992100	6900	2	0	1	1	1808	1808	
AZD12201	NLC-W-LLC-DZ-L	NAVAJO		12	567000	3991800	6800	2	0	1	2		1893	
AZD12301	NLC-W-LLC-DZ-M	NAVAJO	DECHEL	12	566700	3991200	6700	2	0	1	4	1852	1858	
AZD12401	NLC-W-LLC-DZ-N	NAVAJO		12	566800	3991400	6800	2	0	1	1		1701	
AZD12901	NLC-W-LLC-HT-C	NAVAJO	RECENT	12	581100	3990000	6200	2	0	1	9	1841	1872	1
AZD13001	NLC-W-LLC-HT-D	NAVAJO		12	581800	3990200	6400	2	0	1	2	1817	1817	
AZD13201	NLC-W-LLC-DO-V	NAVAJO		12	581300	3990100	6300	2	0	1	1	1878	1878	
AZD13301	NLC-W-LLC-DO-Z	NAVAJO	RECENT	12	581900	3990800	6300	2	0	1	3		1874	
AZD13401	NLC-W-CH-LC-A	NAVAJO	RECENT	12	569500	4063000	5800	2	0	1	1	1921	1921	
AZD13701	NLC-W-LLC-M-E	NAVAJO		12	56000	4040000	6600	2	0	1	2	1805	1875	
AZD14101	NLC-W-LLC-M-B24	NAVAJO	RECENT	12	514000	3995000	5900	2	0	1	3	1878	1878	1
AZD16101	NLC-W-LLC-M-D8	NAVAJO		12	546000	4010000	6500	2	0	1	2	1895	1898	
AZD16301	NLC-W-LLC-M-D10	NAVAJO		12	525000	4005000	6200	2	0	1	3		1817	
AZD16501	NLC-W-LLC-M-D12	NAVAJO		12	516000	4010000	6800	2	0	1	1		1900	
AZD16601	NLC-W-LLC-M-D13	NAVAJO		12	526000	4015000	6500	2	0	1	8	1846	1871	
AZD17001	NLC-W-LLC-M-E8	NAVAJO	DECHEL	12	513000	4035000	6500	2	0	1	8	1859	1860	1
AZD17101	NLC-W-LLC-M-E9	NAVAJO		12	510000	4040000	6500	2	0	1	4	1860	1860	
AZD17201	NLC-W-LLC-M-E11	NAVAJO	RECENT	12	515000	4010000	6800	2	0	1	3	1897	1898	1
AZD18201	NLC-W-LLC-M-E21	NAVAJO	RECENT	12	516000	4016000	6500	2	0	1	8	1897	1898	1
AZD19101	NLC-W-LLC-MD-JJJ	NAVAJO	RECENT	12	554500	4007400	6600	2	0	1	2	1916	1916	1
AZD19201	NLC-W-LLC-MD-KKK	NAVAJO		12	553000	4008000	6000	2	0	1	1		1825	
AZD19301	NLC-W-LLC-MO-L	NAVAJO		12	548000	3989900	6100	2	0	1	1	1835	1835	
AZD19308	ARIZONA D:7:228	NAVAJO		12	560925	4039850	6738	2	0	1	30	1768	1962	2
AZD19601	NLC-W-NM-NC-F	NAVAJO		12	512000	4060000	7200	2	0	1	1		1878	
AZD19801	NLC-W-NM-OC-B	NAVAJO		12	559500	4085000	5500	2	0	1	1		1857	
AZD20101	NLC-W-LLC-P-F	NAVAJO		12	569900	3990800	6800	2	0	1	1	1710	1710	
AZD20201	NLC-W-LLC-P-I	NAVAJO		12	570100	3989600	6100	2	0	1	1		1754	
AZD20401	NLC-W-LLC-UD-A	NAVAJO		12	573200	4034000	7100	2	0	1	1		1843	
AZD20501	NLC-W-LLC-UD-B	NAVAJO		12	574100	4039000	7300	2	0	1	1		1849	
AZD20601	NLC-W-LLC-UD-D	NAVAJO		12	569000	4032000	6900	2	0	1	1		1834	
AZD20901	NLC-W-LLC-UD-G	NAVAJO		12	563000	4031000	6800	2	0	1	2		1877	
AZD21001	NLC-W-LLC-UD-H	NAVAJO		12	570400	4031000	7300	2	0	1	2		1856	
AZD21101	NLC-W-LLC-UD-I	NAVAJO		12	570600	4025000	7100	2	0	1	1		1856	
AZD21201	NLC-W-LLC-UD-W	NAVAJO		12	562000	4018000	6700	2	0	1	1		1842	
AZD21301	NLC-W-LLC-UD-X	NAVAJO		12	569000	4024000	7000	2	0	1	2	1895	1895	
AZD21401	NLC-W-LLC-UD-Y	NAVAJO		12	573000	4024000	7100	2	0	1	1		1780	

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
AZD21501	NLC-W-LLC-UD-Z	NAVAJO		12 573500	4025000	7100	2	0	1	2		1887	
AZD21701	NLC-W-LLC-UD-II	NAVAJO		12 571000	4034000	7000	2	0	1	1	1888	1888	
AZD22101	NLC-W-LLC-UD-PP	NAVAJO		12 569000	4033000	7000	2	0	1	1	1846	1846	
AZD22201	NLC-W-LLC-UO-A	NAVAJO		12 583000	4026000	7000	2	0	1	1		1879	
AZD22301	NLC-W-LLC-UO-B	NAVAJO		12 582000	4026000	7000	2	0	1	1		1919	
AZD22401	NLC-W-LLC-UO-C	NAVAJO		12 577000	4015000	6900	2	0	1	2		1854	
AZD22501	NLC-W-LLC-UO-E	NAVAJO		12 569000	4009000	6700	2	0	1	1		1744	
AZD22601	NLC-W-LLC-UO-F	NAVAJO		12 569000	4010000	6800	2	0	1	1		1779	
AZD22801	NLC-W-LLC-UO-H	NAVAJO		12 570000	4008000	6800	2	0	1	1	1809	1809	
AZD22901	NLC-W-LLC-UO-O	NAVAJO		12 562000	4004000	6300	2	0	1	2	1728	1817	
AZD23001	NLC-W-LLC-UO-P	NAVAJO		12 562000	4005000	6400	2	0	1	1		1792	
AZD23101	NLC-W-LLC-UO-Q	NAVAJO		12 563000	4006000	6500	2	0	1	1	1795	1795	
AZD23201	NLC-W-LLC-UO-R	NAVAJO		12 563000	4003000	6500	2	0	1	3		1804	
AZD23601	NLC-W-LLC-UO-V	NAVAJO		12 559000	4000000	6100	2	0	1	2		1809	
AZD23701	NLC-W-LLC-UO-X	NAVAJO		12 581000	4027000	7000	2	0	1	1		1743	
AZD23901	NLC-W-LLC-UO-BB	NAVAJO		12 576000	4017000	6800	2	0	1	1		1815	
AZD24001	NLC-W-LLC-UO-DD	NAVAJO		12 575000	4018000	7000	2	0	1	2		1873	
AZD24101	NLC-W-LLC-UO-FF	NAVAJO	DECHEL	12 574000	4011000	6400	2	0	1	2	1857	1857	1
AZD24501	NLC-W-LLC-UO-KK	NAVAJO		12 578000	4012000	6600	2	0	1	1	1850	1850	
AZD24601	NLC-W-LLC-UO-LL	NAVAJO		12 578000	4015000	6600	2	0	1	2	1882	1882	
AZD24801	NLC-W-LLC-UO-NN	NAVAJO		12 569500	4008000	6500	2	0	1	1	1894	1894	
AZD25001	NLC-W-LLC-UO-PP	NAVAJO		12 574000	4006000	6900	2	0	1	1	1866	1866	
AZD25301	NLC-W-LLC-UO-TT	NAVAJO		12 578000	4014000	6900	2	0	1	1	1877	1877	
AZD25501	NLC-W-LLC-WE-H	NAVAJO		12 566600	3989000	6400	2	0	1	1		1867	
AZD25601	NLC-W-LLC-WE-K	NAVAJO	RECENT	12 564000	3991000	6500	2	0	1	6	1935	1935	1
AZD25701	NLC-W-LLC-WE-M	NAVAJO		12 563500	3990900	6500	2	0	1	1		1921	
AZD25901	NLC-W-LLC-WE-O	NAVAJO		12 562000	3989500	6300	2	0	1	1		1850	
AZD26301	NLC-W-NM-PC-A	NAVAJO		12 555000	4088000	6000	2	0	1	2		1883	
AZD26601	NLC-W-NM-PC-K	NAVAJO		12 547000	4090000	6000	2	0	1	1		1882	
AZD26701	NLC-W-NM-PC-N	NAVAJO		12 535000	4090000	6000	2	0	1	2		1848	
AZD26801	NLC-W-NM-PC-O	NAVAJO		12 556000	4091000	6000	2	0	1	1		1799	
AZD26901	NLC-W-NM-PC-P	NAVAJO		12 546000	4089000	6000	2	0	1	2	1863	1864	
AZD27201	NLC-W-NM-PC-S	NAVAJO		12 547000	4093000	6000	2	0	1	1	1806	1806	
AZD27801	LONG HOUSE VALLEY	NAVAJO	RECENT	12 545600	4055700	7370	2	0	1	20	1933	1973	1
AZD29301	ARIZONA D:7:21	NAVAJO		12 551240	4044270	6014	2	0	1	12	1932	1934	
AZD29302	ARIZONA D:7:0093	NAVAJO		12 554820	4042880	6688	2	0	1	2		1926	
AZD29303	ARIZONA D:7:206	NAVAJO		12 562090	4041725	6777	2	0	1	27	1951	1951	1
AZD29304	ARIZONA D:7:208	NAVAJO		12 562195	4040835	6777	2	0	1	7		1884	
AZD29305	ARIZONA D:7:210	NAVAJO		12 560995	4040700	6820	2	0	1	7	1940	1951	
AZD29306	ARIZONA D:7:221	NAVAJO		12 561575	4041490	6918	2	0	1	46	1938	1951	4
AZD29307	ARIZONA D:7:227	NAVAJO		12 561600	4040050	6698	2	0	1	1	1954	1954	
AZD29308	ARIZONA D:7:228	NAVAJO		12 560925	4039850	6738	2	0	1	30	1768	1962	2
AZD29309	ARIZONA D:7:229	NAVAJO		12 561475	4040290	6698	2	0	1	18	1862	1949	1
AZD29310	ARIZONA D:7:230	NAVAJO		12 561410	4040190	6698	2	0	1	1		1865	
AZD29311	ARIZONA D:7:241	NAVAJO		12 561740	4039830	6659	2	0	1	1		1891	
AZD29312	ARIZONA D:7:251	NAVAJO		12 561130	4039750	6738	2	0	1	22	1919	1955	3
AZD29313	ARIZONA D:7:252	NAVAJO		12 561330	4039700	6698	2	0	1	36	1923	1943	6
AZD29314	ARIZONA D:7:253	NAVAJO		12 561550	4039780	6698	2	0	1	14	1892	1927	1
AZD29315	ARIZONA D:7:273	NAVAJO		12 563330	4040800	6738	2	0	1	15	1889	1890	
AZD29316	ARIZONA D:7:275	NAVAJO		12 562680	4040750	6738	2	0	1	11	1892	1947	
AZD29317	ARIZONA D:7:276	NAVAJO		12 562700	4041100	6738	2	0	1	6	1719	1777	

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AZD29318	ARIZONA D:7:279	NAVAJO		12 563840	4041570	6777	2	0	1	26	1876	1966	2
AZD29319	ARIZONA D:7:281	NAVAJO		12 558410	4033090	6817	2	0	1	19	1868	1899	2
AZD29320	ARIZONA D:7:283	NAVAJO		12 557760	4041910	6978	2	0	1	3		1835	
AZD29321	ARIZONA D:7:302	NAVAJO		12 564070	4039750	6820	2	0	1	11	1907	1913	1
AZD29322	ARIZONA D:7:308	NAVAJO		12 563500	4040120	6738	2	0	1	3		1797	
AZD29323	ARIZONA D:7:313	NAVAJO		12 562560	4039750	6698	2	0	1	5	1817	1817	
AZD29324	ARIZONA D:7:315	NAVAJO		12 562375	4039850	6698	2	0	1	7		1919	
AZD29325	ARIZONA D:7:321	NAVAJO		12 562975	4041650	6820	2	0	1	12	1949	1949	
AZD29326	ARIZONA D:7:322	NAVAJO		12 563770	4041875	6820	2	0	1	78	1919	1977	5
AZD29327	ARIZONA D:7:408	NAVAJO		12 562140	4042160	6820	2	0	1	6	1892	1947	1
AZD29328	ARIZONA D:7:418	NAVAJO		12 559940	4039750	6738	2	0	1	5	1941	1969	2
AZD29329	ARIZONA D:7:453	NAVAJO		12 562570	4041580	6777	2	0	1	1		1864	
AZD29330	ARIZONA D:7:455	NAVAJO		12 562725	4041525	6820	2	0	1	4	1815	1815	
AZD29331	ARIZONA D:7:456	NAVAJO		12 562700	4041300	6775	2	0	1	2	1812	1833	
AZD29332	ARIZONA D:7:492	NAVAJO		12 563325	4042050	6860	2	0	1	2	1897	1897	
AZD29333	ARIZONA D:7:497	NAVAJO		12 564180	4040520	6690	2	0	1	1	1948	1948	
AZD29334	ARIZONA D:7:498	NAVAJO		12 563830	4040685	6820	2	0	1	4	1924	1938	1
AZD29335	ARIZONA D:7:503	NAVAJO		12 564530	4041320	6960	2	0	1	2		1725	
AZD29336	ARIZONA D:7:504	NAVAJO		12 563020	4041970	6820	2	0	1	4	1775	1865	
AZD29337	ARIZONA D:7:532	NAVAJO		12 564010	4040080	6775	2	0	1	12	1926	1948	
AZD29338	ARIZONA D:7:533	NAVAJO		12 563720	4040015	6775	2	0	1	6	1936	1943	1
AZD29339	ARIZONA D:7:534	NAVAJO		12 562790	4039575	6700	2	0	1	8	1782	1812	
AZD29340	ARIZONA D:7:544	NAVAJO		12 564985	4039825	6810	2	0	1	1		1871	
AZD29341	ARIZONA D:7:702	NAVAJO		12 550225	4045375	6856	2	0	1	11	1917	1935	1
AZD29342	ARIZONA D:7:705	NAVAJO		12 550175	4045460	6820	2	0	1	8		1919	
AZD29343	ARIZONA D:7:706	NAVAJO		12 550410	4045540	6738	2	0	1	9	1934	1935	1
AZD29344	ARIZONA D:7:715	NAVAJO		12 553830	4041430	6740	2	0	1	2		1915	
AZD29345	ARIZONA D:7:717	NAVAJO		12 552380	4045660	6700	2	0	1	3		1950	
AZD29346	ARIZONA D:7:718	NAVAJO		12 553850	4040760	6655	2	0	1	11	1952	1953	3
AZD29347	ARIZONA D:7:720	NAVAJO		12 553025	4040400	6655	2	0	1	1		1939	
AZD29348	ARIZONA D:7:721	NAVAJO		12 552940	4040100	6575	2	0	1	2		1936	
AZD29349	ARIZONA D:7:722	NAVAJO		12 554890	4041940	6615	2	0	1	18		1840	
AZD29350	ARIZONA D:7:1111	NAVAJO		12 550800	4045775	6655	2	0	1	5	1954	1954	
AZD29351	ARIZONA D:7:1107	NAVAJO		12 550610	4045525	6700	2	0	1	2		1850	
AZD29352	ARIZONA D:7:1113	NAVAJO		12 550440	4044880	6820	2	0	1	1		1915	
AZD29353	ARIZONA D:7:4002	NAVAJO		12 556300	4044920	6655	2	0	1	2		1784	
AZD29354	ARIZONA D:7:4004	NAVAJO		12 555750	4044965	6655	2	0	1	1		1873	
AZD29355	ARIZONA D:7:4005	NAVAJO		12 556300	4045325	6820	2	0	1	2		1670	
AZD29356	ARIZONA D:7:4007	NAVAJO		12 552360	4039910	6740	2	0	1	1		1866	
AZD29357	ARIZONA D:7:4008	NAVAJO		12 555980	4044750	6615	2	0	1	7		1880	
AZD29358	ARIZONA D:7:4012	NAVAJO		12 552760	4042280	6455	2	0	1	25	1916	1919	2
AZD29359	ARIZONA D:7:4014	NAVAJO		12 553340	4042460	6537	2	0	1	2		1890	
AZD29360	ARIZONA D:7:4016	NAVAJO		12 552740	4042650	6580	2	0	1	2		1783	
AZD29361	ARIZONA D:7:427	NAVAJO		12 550475	4046340	6750	2	0	1	1		1827	
AZD29362	ARIZONA D:7:4035	NAVAJO		12 552390	4045515	6760	2	0	1	9	1895	1908	
AZD29363	ARIZONA D:7:4037	NAVAJO		12 553325	4045885	6670	2	0	1	13	1928	1945	1
AZD29364	ARIZONA D:7:4038	NAVAJO		12 552200	4046090	6730	2	0	1	3	1839	1893	
AZD29365	ARIZONA D:7:4040	NAVAJO		12 555325	4043640	6625	2	0	1	8	1868	1974	1
AZD29366	ARIZONA D:7:4041	NAVAJO		12 555310	4043070	6655	2	0	1	5		1813	
AZD29367	ARIZONA D:7:4043	NAVAJO		12 558460	4042425	7020	2	0	1	13	1949	1958	2
AZD29368	ARIZONA D:7:4044	NAVAJO	DECHEL	12 556500	4044320	6675	2	0	1	14	1859	1867	1

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AZD29369	ARIZONA D:7:4045	NAVAJO		12 556500	4044510	6670	2	0	1	17	1877	1891	1
AZD29370	ARIZONA D:7:4046	NAVAJO		12 556400	4044000	6690	2	0	1	15	1868	1897	
AZD29371	ARIZONA D:7:4047	NAVAJO		12 556200	4044200	6690	2	0	1	8	1882	1973	1
AZD29372	ARIZONA D:7:4050	NAVAJO		12 554475	4046990	6810	2	0	1	24	1814	1945	1
AZD29373	ARIZONA D:7:4051	NAVAJO		12 555375	4047465	6815	2	0	1	3	1953	1965	
AZD29374	ARIZONA D:7:4053	NAVAJO		12 551910	4039410	6555	2	0	1	5	1945	1953	1
AZD29375	ARIZONA D:7:4057	NAVAJO		12 551950	4041760	6515	2	0	1	1	1856	1856	
AZD29376	ARIZONA D:7:4067	NAVAJO		12 555320	4047560	6830	2	0	1	4	1944	1944	
AZD29377	ARIZONA D:7:4085	NAVAJO		12 563580	4042440	6970	2	0	1	5	1916	1974	
AZD29378	ARIZONA D:7:4086	NAVAJO		12 564700	4042465	6820	2	0	1	6	1920	1920	
AZD29379	ARIZONA D:7:4087	NAVAJO		12 562375	4042270	6800	2	0	1	45	1901	1966	4
AZD29380	ARIZONA D:7:4088	NAVAJO	DECHEL	12 554795	4047660	6840	2	0	1	10	1839	1840	1
AZD29381	ARIZONA D:7:4089	NAVAJO		12 554980	4047720	6830	2	0	1	40	1835	1948	2
AZD29382	ARIZONA D:7:4091	NAVAJO		12 555225	4047935	6850	2	0	1	3	1942	1942	1
AZD29383	ARIZONA D:7:4106	NAVAJO		12 550925	4047075	6770	2	0	1	13	1935	1943	1
AZD29384	ARIZONA D:7:4107	NAVAJO		12 550850	4047030	6770	2	0	1	3		1894	
AZD29385	ARIZONA D:7:4110	NAVAJO		12 550735	4046775	6770	2	0	1	6	1894	1909	
AZD29386	ARIZONA D:7:4117	NAVAJO		12 552625	4049175	7010	2	0	1	2	1878	1896	
AZD29387	ARIZONA D:7:4119	NAVAJO		12 553225	4049500	7060	2	0	1	8	1961	1979	1
AZD29388	ARIZONA D:7:4120	NAVAJO		12 553490	4049620	7060	2	0	1	2		1776	
AZD29389	ARIZONA D:7:4121	NAVAJO		12 553775	4049525	7060	2	0	1	1		1804	
AZD29390	ARIZONA D:7:4123	NAVAJO		12 553760	4048200	6880	2	0	1	1		1770	
AZD29391	ARIZONA D:7:4127	NAVAJO		12 552280	4046325	6840	2	0	1	9	1888	1893	2
AZD29392	ARIZONA D:7:4151	NAVAJO		12 554030	4048010	6850	2	0	1	3		1929	
AZD29393	ARIZONA D:7:4153	NAVAJO		12 554490	4047500	6820	2	0	1	8		1789	
AZD29394	ARIZONA D:7:4154	NAVAJO		12 554300	4047290	6810	2	0	1	5	1936	1936	1
AZD29395	ARIZONA D:7:4157	NAVAJO		12 554375	4047470	6770	2	0	1	5	1928	1936	
AZD29396	ARIZONA D:7:4158	NAVAJO		12 554375	4047285	6770	2	0	1	6		1811	
AZD29397	ARIZONA D:7:4161	NAVAJO		12 553820	4046540	6750	2	0	1	4	1891	1891	
AZD29398	ARIZONA D:7:4163	NAVAJO		12 553825	4047000	6770	2	0	1	5	1726	1926	
AZD29399	ARIZONA D:7:4166	NAVAJO		12 553510	4046810	6810	2	0	1	8	1691	1890	
AZD29401	ARIZONA D:7:4167	NAVAJO		12 553625	4046990	6815	2	0	1	11	1948	1948	
AZD29402	ARIZONA D:12:201	NAVAJO		12 567550	4036625	7060	2	0	1	3	1910	1949	
AZD29403	ARIZONA D:12:202	NAVAJO		12 567290	4036100	7021	2	0	1	6	1942	1942	
AZD29404	ARIZONA D:12:204	NAVAJO		12 567695	4036750	7021	2	0	1	11	1943	1961	2
AZD29405	ARIZONA D:12:205	NAVAJO		12 567800	4037190	7140	2	0	1	17	1850	1940	
AZD29406	ARIZONA D:12:207	NAVAJO		12 567470	4037400	7120	2	0	1	5	1942	1942	1
AZD29407	ARIZONA D:12:209	NAVAJO		12 567425	4035500	7001	2	0	1	3		1888	
AZD29408	ARIZONA D:12:210	NAVAJO		12 568175	4035750	7080	2	0	1	3		1915	
AZD29409	ARIZONA D:12:211	NAVAJO		12 567490	4039130	7020	2	0	1	6	1890	1895	1
AZD29410	ARIZONA D:12:212	NAVAJO		12 568230	4039320	7020	2	0	1	39	1919	1960	7
AZD29411	ARIZONA D:12:213	NAVAJO		12 567620	4039250	7005	2	0	1	7	1775	1891	2
AZD29412	ARIZONA D:12:214	NAVAJO		12 567360	4039200	6960	2	0	1	14	1869	1888	2
AZD29413	ARIZONA D:12:215	NAVAJO		12 567595	4037900	7080	2	0	1	12	1793	1862	1
AZD29414	ARIZONA D:12:222	NAVAJO		12 567925	4033075	6978	2	0	1	1		1918	
AZD29415	ARIZONA D:12:223	NAVAJO		12 568100	4035000	7130	2	0	1	7	1967	1967	1
AZD29416	ARIZONA D:12:224	NAVAJO		12 568100	4032950	7005	2	0	1	2		1636	
AZD29417	ARIZONA D:12:225	NAVAJO		12 567725	4033050	6988	2	0	1	3		1938	
AZD29418	ARIZONA D:12:226	NAVAJO		12 567775	4033300	7001	2	0	1	5		1907	
AZD29419	ARIZONA D:12:228	NAVAJO		12 567875	4034075	7060	2	0	1	1	1907	1907	
AZD29420	ARIZONA D:12:229	NAVAJO		12 568100	4034500	7040	2	0	1	61	1929	1979	3

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AZD29421	ARIZONA D:12:233	NAVAJO		12 568100	4028300	7040	2	0	1	5		1865	
AZD29422	ARIZONA D:12:234	NAVAJO		12 567950	4028010	7100	2	0	1	25	1870	1923	2
AZD29423	ARIZONA D:12:235	NAVAJO		12 567525	4028575	7020	2	0	1	14		1924	
AZD29424	ARIZONA D:12:236	NAVAJO		12 568200	4028750	7080	2	0	1	8	1937	1938	1
AZD29425	ARIZONA D:12:237	NAVAJO		12 567990	4028875	7040	2	0	1	8		1886	
AZD29426	ARIZONA D:12:293	NAVAJO		12 568075	4029050	7040	2	0	1	4		1811	
AZD29427	ARIZONA D:12:240	NAVAJO		12 567375	4029350	7060	2	0	1	32	1942	1943	3
AZD29428	ARIZONA D:12:241	NAVAJO		12 568225	4030775	7160	2	0	1	3		1879	
AZD29429	ARIZONA D:12:243	NAVAJO		12 568150	4032200	7020	2	0	1	11	1916	1925	1
AZD29430	ARIZONA D:12:244	NAVAJO		12 568150	4031950	7040	2	0	1	12	1935	1939	1
AZD29431	ARIZONA D:12:250	NAVAJO		12 567450	4031600	6980	2	0	1	11		1886	
AZD29432	ARIZONA D:12:253	NAVAJO		12 567900	4034350	7080	2	0	1	17	1936	1937	1
AZD29433	ARIZONA D:12:254	NAVAJO		12 567850	4034150	7060	2	0	1	3		1896	
AZD29434	ARIZONA D:12:255	NAVAJO		12 567650	4033175	7000	2	0	1	1		1658	
AZD29435	ARIZONA D:12:257	NAVAJO		12 567300	4033550	7080	2	0	1	2		1924	
AZD29436	ARIZONA D:12:262	NAVAJO		12 567300	4034100	7180	2	0	1	3		1884	
AZD29437	ARIZONA D:12:263	NAVAJO		12 567350	4034175	7180	2	0	1	3	1849	1949	1
AZD29438	ARIZONA D:12:264	NAVAJO		12 567300	4034050	7180	2	0	1	2	1950	1950	
AZD29439	ARIZONA D:12:314	NAVAJO		12 567900	4034200	7080	2	0	1	3		1970	
AZD29440	ARIZONA D:12:319	NAVAJO		12 567760	4038350	6940	2	0	1	3		1912	
AZD29441	ARIZONA D:12:322	NAVAJO		12 567450	4030750	7080	2	0	1	4	1920	1920	
AZD29442	ARIZONA D:12:323	NAVAJO		12 567425	4031250	7050	2	0	1	3	1968	1968	
AZD29443	ARIZONA D:12:326	NAVAJO		12 568225	4031725	7060	2	0	1	3	1929	1929	
AZD29444	ARIZONA D:12:350	NAVAJO	RECENT	12 567675	4033650	7100	2	0	1	3	1926	1928	
AZD29445	ARIZONA D:11:4	NAVAJO		12 552530	4035390	6530	2	0	1	3		1885	1
AZD29446	ARIZONA D:11:6	NAVAJO		12 552625	4036090	6576	1	S	1	2		1877	
AZD29447	ARIZONA D:11:17	NAVAJO		12 552540	4035500	6520	2	0	1	1		1747	
AZD29448	ARIZONA D:11:36	NAVAJO		12 551275	4034050	6478	2	0	1	14	1912	1916	2
AZD29449	ARIZONA D:11:48	NAVAJO		12 553270	4037125	6415	2	0	1	4	1928	1928	1
AZD29450	ARIZONA D:11:67	NAVAJO		12 552530	4035660	6600	2	0	1	3		1876	
AZD29451	ARIZONA D:11:68	NAVAJO		12 552400	4035290	6415	2	0	1	4		1965	
AZD29452	ARIZONA D:11:100	NAVAJO		12 554700	4028825	6485	2	0	1	1		1920	
AZD29453	ARIZONA D:11:101	NAVAJO		12 554560	4028740	6455	2	0	1	2		1919	
AZD29454	ARIZONA D:11:131	NAVAJO		12 551700	4034300	6490	2	0	1	3	1929	1933	
AZD29455	ARIZONA D:11:132	NAVAJO		12 555540	4038450	6695	2	0	1	4	1931	1931	
AZD29456	ARIZONA D:11:203	NAVAJO		12 566750	4036925	7020	2	0	1	5		1885	
AZD29457	ARIZONA D:11:205	NAVAJO		12 566950	4036075	6939	2	0	1	8	1870	1871	1
AZD29458	ARIZONA D:11:206	NAVAJO		12 566055	4037680	6939	2	0	1	1		1950	
AZD29459	ARIZONA D:11:208	NAVAJO		12 566500	4037005	7020	2	0	1	2		1885	
AZD29460	ARIZONA D:11:212	NAVAJO		12 561195	4038500	6698	2	0	1	8	1926	1926	
AZD29461	ARIZONA D:11:220	NAVAJO		12 562500	4039200	6718	2	0	1	14	1921	1935	1
AZD29462	ARIZONA D:11:227	NAVAJO		12 559575	4038625	6619	2	0	1	2		1892	
AZD29463	ARIZONA D:11:228	NAVAJO		12 562925	4029025	6918	2	0	1	22	1917	1933	
AZD29464	ARIZONA D:11:229	NAVAJO		12 562285	4028940	7090	2	0	1	3	1949	1949	1
AZD29465	ARIZONA D:11:237	NAVAJO		12 561350	4027775	6900	2	0	1	34	1920	1960	3
AZD29466	ARIZONA D:11:239	NAVAJO		12 561220	4027560	6951	2	0	1	9	1885	1890	1
AZD29467	ARIZONA D:11:241	NAVAJO		12 564410	4039350	6820	2	0	1	4	1857	1920	
AZD29468	ARIZONA D:11:242	NAVAJO		12 564200	4038810	6820	2	0	1	4	1850	1850	
AZD29469	ARIZONA D:11:243	NAVAJO		12 564610	4038950	6840	2	0	1	8		1960	
AZD29470	ARIZONA D:11:245	NAVAJO		12 564810	4039350	6810	2	0	1	15	1912	1930	1
AZD29471	ARIZONA D:11:247	NAVAJO		12 564970	4039185	6840	2	0	1	14	1913	1934	1

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AZD29472	ARIZONA D:11:252	NAVAJO		12	559750	4027500	6918	2	0		10	1907	1924	
AZD29473	ARIZONA D:11:257	NAVAJO		12	561225	4029200	6958	2	0	1	5	1888	1888	
AZD29474	ARIZONA D:11:258	NAVAJO		12	561300	4029600	7020	2	0	1	17	1942	1955	
AZD29475	ARIZONA D:11:259	NAVAJO		12	560875	4028675	6875	2	0	1	13	1932	1969	
AZD29476	ARIZONA D:11:263	NAVAJO		12	560375	4028850	6958	2	0	1	3		1910	
AZD29477	ARIZONA D:11:267	NAVAJO		12	560000	4029425	7020	2	0	1	9	1939	1949	
AZD29478	ARIZONA D:11:269	NAVAJO		12	560700	4027625	6939	2	0	1	2		1791	
AZD29479	ARIZONA D:11:271	NAVAJO		12	560750	4028290	6978	2	0	1	7	1937	1944	
AZD29480	ARIZONA D:11:278	NAVAJO		12	560725	4030150	6958	2	0	1	18	1938	1973	1
AZD29481	ARIZONA D:11:281	NAVAJO		12	563125	4027300	7001	2	0	1	13	1878	1897	
AZD29482	ARIZONA D:11:282	NAVAJO		12	563050	4027575	7001	2	0	1	2		1852	
AZD29483	ARIZONA D:11:283	NAVAJO		12	562690	4027600	6919	2	0	1	4	1966	1967	
AZD29484	ARIZONA D:11:285	NAVAJO		12	562825	4028025	6918	2	0	1	2		1799	
AZD29485	ARIZONA D:11:291	NAVAJO		12	562925	4029830	6978	2	0	1	4	1898	1967	
AZD29486	ARIZONA D:11:293	NAVAJO		12	563300	4029075	6918	2	0	1	4		1972	1
AZD29487	ARIZONA D:11:294	NAVAJO		12	563200	4029825	7021	2	0	1	3		1952	
AZD29488	ARIZONA D:11:301	NAVAJO		12	561230	4038250	6738	2	0	1	2	1924	1926	
AZD29489	ARIZONA D:11:304	NAVAJO		12	566260	4038380	6978	2	0	1	2		1949	
AZD29490	ARIZONA D:11:305	NAVAJO		12	566295	4038725	6958	2	0	1	22	1844	1959	1
AZD29491	ARIZONA D:11:307	NAVAJO		12	566170	4039085	6919	2	0	1	13		1889	
AZD29492	ARIZONA D:11:310	NAVAJO		12	566500	4039325	6919	2	0	1	15		1946	
AZD29493	ARIZONA D:11:3	NAVAJO		12	566620	4038500	6980	2	0	1	23	1908	1967	3
AZD29494	ARIZONA D:11:313	NAVAJO		12	566980	4038740	6958	2	0	1	33	1852	1885	
AZD29495	ARIZONA D:11:315	NAVAJO		12	561070	4037250	6590	2	0	1	11	1862	1876	1
AZD29496	ARIZONA D:11:317	NAVAJO		12	561110	4037850	6718	2	0	1	20	1856	1930	1
AZD29497	ARIZONA D:11:319	NAVAJO		12	561830	4037425	6718	2	0	1	3	1915	1915	
AZD29498	ARIZONA D:11:321	NAVAJO		12	563125	4027300	7001	2	0	1	3	1878	1887	
AZD29499	ARIZONA D:11:333	NAVAJO		12	559900	4031100	6900	2	0	1	34	1890	1953	3
AZD29501	ARIZONA D:11:340	NAVAJO	RECENT	12	560700	4031500	6775	2	0	1	9	1889	1947	1
AZD29502	ARIZONA D:11:343	NAVAJO		12	563750	4030940	7020	2	0	1	2	1961	1961	
AZD29503	ARIZONA D:11:351	NAVAJO		12	562850	4030900	6958	2	0	1	142	1850	1973	1
AZD29504	ARIZONA D:11:361	NAVAJO		12	565610	4037425	6980	2	0	1	11	1713	1941	
AZD29505	ARIZONA D:11:363	NAVAJO		12	564670	4037375	6940	2	0	1	8	1897	1942	2
AZD29506	ARIZONA D:11:364	NAVAJO		12	565120	4037100	6856	2	0	1	11	1856	1875	
AZD29507	ARIZONA D:11:365	NAVAJO	DECHEL	12	565900	4036890	6900	2	0	1	3	1838	1838	1
AZD29508	ARIZONA D:11:367	NAVAJO		12	564900	4038000	6900	2	0	1	13	1920	1953	1
AZD29509	ARIZONA D:11:369	NAVAJO		12	565405	4037600	6918	2	0	1	4		1945	
AZD29510	ARIZONA D:11:370	NAVAJO		12	567135	4037000	7060	2	0	1	4	1838	1838	
AZD29511	ARIZONA D:11:371	NAVAJO		12	566800	4037000	7020	2	0	1	5	1870	1880	
AZD29512	ARIZONA D:11:372	NAVAJO	RECENT	12	564660	4037950	6900	2	0	1	8	1920	1921	1
AZD29513	ARIZONA D:11:378	NAVAJO		12	566180	4037425	6978	2	0	1	14		1802	
AZD29514	ARIZONA D:11:380	NAVAJO	RECENT	12	565800	4036560	6918	2	0	1	27	1965	1967	5
AZD29515	ARIZONA D:11:382	NAVAJO		12	562130	4037035	6718	2	0	1	17	1811	1947	
AZD29516	ARIZONA D:11:383	NAVAJO	RECENT	12	562275	4036870	6660	2	0	1	31	1911	1964	3
AZD29517	ARIZONA D:11:384	NAVAJO		12	562510	4037100	6738	2	0	1	8	1898	1942	1
AZD29518	ARIZONA D:11:386	NAVAJO		12	560650	4036075	6700	2	0	1	1	1898	1898	
AZD29519	ARIZONA D:11:388	NAVAJO	RECENT	12	560840	4036750	6640	2	0	1	25	1868	1909	2
AZD29520	ARIZONA D:11:395	NAVAJO		12	561375	4036450	6679	2	0	1	15	1890	1950	
AZD29521	ARIZONA D:11:398	NAVAJO	RECENT	12	561350	4035975	6718	2	0	1	15	1913	1915	1
AZD29522	ARIZONA D:11:399	NAVAJO	RECENT	12	561500	4035750	6700	2	0	1	7	1916	1917	1
AZD29523	ARIZONA D:11:408	NAVAJO		12	563600	4032675	6960	2	0	1	1		1776	



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AZD29524	ARIZONA D:11:412	NAVAJO		12 563750	4033450	6940	2	0	1	15	1950	1960	2
AZD29525	ARIZONA D:11:421	NAVAJO	RECENT	12 565550	4036900	6800	2	0	1	5	1919	1919	1
AZD29526	ARIZONA D:11:422	NAVAJO		12 564775	4037005	6738	2	0	1	3	1846	1846	
AZD29527	ARIZONA D:11:423	NAVAJO		12 564400	4036915	6800	2	0	1	5		1877	
AZD29528	ARIZONA D:11:424	NAVAJO		12 563905	4037500	6860	2	0	1	3		1915	
AZD29529	ARIZONA D:11:427	NAVAJO		12 563745	4037900	6830	2	0	1	3	1943	1943	
AZD29530	ARIZONA D:11:430	NAVAJO		12 564920	4037150	6815	2	0	1	16	1888	1922	
AZD29531	ARIZONA D:11:431	NAVAJO		12 564370	4037475	6900	2	0	1	3	1897	1908	
AZD29532	ARIZONA D:11:433	NAVAJO	RECENT	12 563670	4037375	6700	2	0	1	18	1898	1916	1
AZD29533	ARIZONA D:11:434	NAVAJO		12 563380	4037900	6710	2	0	1	2	1917	1917	
AZD29534	ARIZONA D:11:435	NAVAJO		12 564055	4036825	6800	2	0	1	2		1927	
AZD29535	ARIZONA D:11:436	NAVAJO		12 563210	4037300	6817	2	0	1	1		1690	
AZD29536	ARIZONA D:11:443	NAVAJO		12 560300	4032055	6758	2	0	1	8	1954	1954	
AZD29537	ARIZONA D:11:447	NAVAJO	RECENT	12 560070	4031820	6797	2	0	1	7	1953	1955	1
AZD29538	ARIZONA D:11:451	NAVAJO	RECENT	12 561950	4032750	6860	2	0	1	22	1870	1971	1
AZD29539	ARIZONA D:11:455	NAVAJO	RECENT	12 560750	4032050	6758	2	0	1	11	1868	1930	1
AZD29540	ARIZONA D:11:461	NAVAJO		12 563190	4038050	6817	2	0	1	51	1909	1917	4
AZD29541	ARIZONA D:11:465	NAVAJO		12 563875	4035625	7020	2	0	1	3		1888	
AZD29542	ARIZONA D:11:467	NAVAJO		12 564390	4035640	6738	2	0	1	6		1917	
AZD29543	ARIZONA D:11:470	NAVAJO		12 566825	4035375	6958	2	0	1	3	1941	1958	
AZD29544	ARIZONA D:11:484	NAVAJO		12 561700	4035250	6758	2	0	1	3	1912	1912	
AZD29545	ARIZONA D:11:486	NAVAJO		12 561725	4035025	6785	2	0	1	10	1922	1923	
AZD29546	ARIZONA D:11:487	NAVAJO	RECENT	12 560875	4034100	6918	2	0	1	59	1938	1972	5
AZD29547	ARIZONA D:11:492	NAVAJO	RECENT	12 563500	4035550	6820	2	0	1	12	1898	1901	1
AZD29548	ARIZONA D:11:495	NAVAJO		12 563200	4035800	6800	2	0	1	2	1875	1875	
AZD29549	ARIZONA D:11:497	NAVAJO		12 561950	4036250	6718	2	0	1	6	1886	1886	
AZD29550	ARIZONA D:11:502	NAVAJO		12 563875	4032080	6958	2	0	1	6		1955	1
AZD29551	ARIZONA D:11:504	NAVAJO		12 563625	4031850	6939	2	0	1	18	1977	1977	2
AZD29552	ARIZONA D:11:506	NAVAJO		12 563490	4031620	6978	2	0	1	2	1967	1967	
AZD29553	ARIZONA D:11:507	NAVAJO		12 563990	4031550	7020	2	0	1	1		1816	
AZD29554	ARIZONA D:11:511	NAVAJO	RECENT	12 562800	4032450	6900	2	0	1	15	1890	1891	2
AZD29555	ARIZONA D:11:512	NAVAJO	RECENT	12 562725	4032100	6880	2	0	1	11	1894	1913	1
AZD29556	ARIZONA D:11:514	NAVAJO	RECENT	12 562950	4033825	6900	2	0	1	5	1917	1917	1
AZD29557	ARIZONA D:11:519	NAVAJO	RECENT	12 563550	4034400	6860	2	0	1	4		1917	1
AZD29558	ARIZONA D:11:523	NAVAJO		12 565175	4034900	6939	2	0	1	4	1938	1938	1
AZD29559	ARIZONA D:11:525	NAVAJO		12 565200	4035250	6880	2	0	1	17	1933	1935	4
AZD29560	ARIZONA D:11:529	NAVAJO		12 565075	4035990	6860	2	0	1	5		1941	
AZD29561	ARIZONA D:11:532	NAVAJO		12 565875	4035525	6939	2	0	1	4	1936	1936	
AZD29562	ARIZONA D:11:533	NAVAJO		12 566125	4035200	6978	2	0	1	7	1942	1942	
AZD29563	ARIZONA D:11:535	NAVAJO	RECENT	12 565550	4035275	6939	2	0	1	22	1917	1935	3
AZD29564	ARIZONA D:11:536	NAVAJO		12 565875	4035100	6939	2	0	1	5	1967	1968	1
AZD29565	ARIZONA D:11:537	NAVAJO		12 566225	4035000	7001	2	0	1	2	1924	1924	
AZD29566	ARIZONA D:11:540	NAVAJO		12 566450	4034800	7001	2	0	1	15	1928	1940	2
AZD29567	ARIZONA D:11:542	NAVAJO		12 560400	4033000	6840	2	0	1	2		1884	
AZD29568	ARIZONA D:11:544	NAVAJO		12 560650	4033900	7001	2	0	1	25	1927	1944	5
AZD29569	ARIZONA D:11:547	NAVAJO		12 559425	4031975	6738	2	0	1	3	1952	1953	
AZD29570	ARIZONA D:11:549	NAVAJO		12 558900	4032125	6738	2	0	1	11		1889	
AZD29571	ARIZONA D:11:553	NAVAJO		12 558690	4031790	6777	2	0	1	4		1923	
AZD29572	ARIZONA D:11:555	NAVAJO	RECENT	12 565600	4028900	6880	2	0	1	34	1877	1959	2
AZD29573	ARIZONA D:11:557	NAVAJO		12 566375	4030300	6939	2	0	1	5	1927	1927	
AZD29574	ARIZONA D:11:558	NAVAJO	DECHEL	12 566250	4029550	7040	2	0	1	29	1840	1840	1

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AZD29575	ARIZONA D:11:559	NAVAJO	RECENT	12	565900	4029100	6939	2	0	1	9	1907	1930	1
AZD29576	ARIZONA D:11:562	NAVAJO		12	564000	4034300	6880	2	0	1	5	1927	1939	
AZD29577	ARIZONA D:11:564	NAVAJO		12	654350	4034450	6900	2	0	1	2		1936	
AZD29578	ARIZONA D:11:571	NAVAJO		12	564700	4033500	7001	2	0	1	2		1967	
AZD29579	ARIZONA D:11:578	NAVAJO		12	565325	4034075	7040	2	0	1	9		1963	
AZD29580	ARIZONA D:11:585	NAVAJO		12	566500	4030705	6939	2	0	1	2		1959	
AZD29581	ARIZONA D:11:587	NAVAJO		12	566825	4030900	6980	2	0	1	6		1782	
AZD29582	ARIZONA D:11:588	NAVAJO	RECENT	12	567225	4031225	7020	2	0	1	16	1891	1906	2
AZD29583	ARIZONA D:11:596	NAVAJO		12	566275	4031925	6970	2	0	1	4	1922	1922	
AZD29584	ARIZONA D:11:597	NAVAJO		12	566550	4031800	6920	2	0	1	2		1903	
AZD29585	ARIZONA D:11:598	NAVAJO		12	566090	4031300	6985	2	0	1	7	1860	1860	
AZD29587	ARIZONA D:11:599	NAVAJO	DECHEL	12	565775	4031050	6950	2	0	1	16	1846	1917	1
AZD29588	ARIZONA D:11:601	NAVAJO		12	563900	4033950	7120	2	0	1	8		1957	
AZD29589	ARIZONA D:11:605	NAVAJO		12	564540	4031650	7001	2	0	1	2		1957	
AZD29590	ARIZONA D:11:607	NAVAJO		12	566875	4027850	7120	2	0	1	2	1938	1938	
AZD29591	ARIZONA D:11:608	NAVAJO		12	566125	4028450	7001	2	0	1	11		1808	
AZD29592	ARIZONA D:11:609	NAVAJO		12	567250	4028375	7001	2	0	1	7		1859	
AZD29593	ARIZONA D:11:611	NAVAJO		12	565550	4030650	6978	2	0	1	4	1938	1938	
AZD29594	ARIZONA D:11:614	NAVAJO		12	561190	4032650	6790	2	0	1	1	1967	1967	
AZD29595	ARIZONA D:11:615	NAVAJO		12	563375	4031750	6939	2	0	1	1		1890	
AZD29596	ARIZONA D:11:631	NAVAJO		12	566400	4034750	7020	2	0	1	10	1938	1938	1
AZD29597	ARIZONA D:11:635	NAVAJO		12	566375	4032825	7040	2	0	2	5		1933	
AZD29598	ARIZONA D:11:641	NAVAJO		12	566675	4034150	6978	2	0	1	23		1951	
AZD29599	ARIZONA D:11:642	NAVAJO	RECENT	12	566550	4029150	7001	2	0	1	22	1946	1968	1
AZD30101	AZ-J-53-1 (NNCRMP)	NAVAJO		12	549570	4001220	6260	2	0	1	1		1709	
AZD30102	AZ-J-53-2 (NNCRMP)	NAVAJO		12	548550	3999880	6240	2	0	1	2		1821	
AZD30201	ARIZONA D:11:647	NAVAJO	RECENT	12	564400	4029260	6920	2	0	1	5	1869	1931	1
AZD30202	ARIZONA D:11:651	NAVAJO		12	564520	4030200	6978	2	0	1	6	1916	1943	
AZD30203	ARIZONA D:11:653	NAVAJO		12	564600	4030650	7020	2	0	1	13	1920	1942	
AZD30204	ARIZONA D:11:656	NAVAJO		12	564200	4029600	6900	2	0	1	4	1881	1881	
AZD30205	ARIZONA D:11:660	NAVAJO		12	565840	4030830	6880	2	0	1	6	1938	1966	
AZD30206	ARIZONA D:11:663	NAVAJO	RECENT	12	566825	4034050	7100	2	0	1	18	1870	1967	1
AZD30207	ARIZONA D:11:667	NAVAJO	RECENT	12	567225	4032250	7020	2	0	1	15	1920	1922	2
AZD30208	ARIZONA D:11:668	NAVAJO		12	567075	4032950	7040	2	0	1	15	1925	1968	3
AZD30209	ARIZONA D:11:669	NAVAJO		12	566950	4032750	7040	2	0	1	9		1878	
AZD30210	ARIZONA D:11:671	NAVAJO		12	566975	4033450	7060	2	0	1	4		1899	
AZD30211	ARIZONA D:11:673	NAVAJO		12	566800	4033375	7060	2	0	1	4	1944	1944	
AZD30212	ARIZONA D:11:679	NAVAJO		12	566175	4032575	7004	2	0	1	1	1889	1889	
AZD30213	ARIZONA D:11:680	NAVAJO	RECENT	12	565990	4032725	6975	2	0	1	2	1967	1967	1
AZD30214	ARIZONA D:11:682	NAVAJO	RECENT	12	565500	4033150	7099	2	0	1	6	1936	1951	2
AZD30215	ARIZONA D:11:683	NAVAJO		12	565500	4033100	7100	2	0	1	3	1967	1967	1
AZD30216	ARIZONA D:11:684	NAVAJO		12	565675	4032800	7000	2	0	1	1	1966	1966	
AZD30217	ARIZONA D:11:685	NAVAJO		12	565375	4032375	7080	2	0	1	10	1948	1965	2
AZD30218	ARIZONA D:11:688	NAVAJO		12	564950	4031900	7100	2	0	1	1		1770	
AZD30219	ARIZONA D:11:691	NAVAJO		12	564800	4032005	7060	2	0	1	1		1959	
AZD30220	ARIZONA D:11:692	NAVAJO		12	564475	4032500	7001	2	0	1	1		1726	
AZD30221	ARIZONA D:11:693	NAVAJO		12	565260	4032600	7080	2	0	1	2	1957	1958	
AZD30222	ARIZONA D:11:695	NAVAJO		12	565525	4032950	7050	2	0	1	1		1942	
AZD30223	ARIZONA D:11:698	NAVAJO		12	564760	4032520	7001	2	0	1	4	1938	1959	
AZD30224	ARIZONA D:11:906	NAVAJO		12	566225	4032650	6950	2	0	1	2		1933	
AZD30225	ARIZONA D:11:922	NAVAJO		12	550660	4028620	6400	2	0	1	10		1837	

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AZD30226	ARIZONA D:11:0927	NAVAJO	RECENT	12	554950	4036430	6517	2	0	1	7	1915	1915	1
AZD30227	ARIZONA D:11:1021	NAVAJO		12	561140	4038840	6620	2	0	1	2		1759	
AZD30228	ARIZONA D:11:1022	NAVAJO		12	562280	4038875	6738	2	0	1	2	1895	1918	
AZD30229	ARIZONA D:11:1024	NAVAJO	DECHEL	12	564390	4038900	6918	2	0	1	2	1836	1836	1
AZD30230	ARIZONA D:11:1037	NAVAJO		12	563100	4028675	6918	2	0	1	1		1900	
AZD30231	ARIZONA D:11:1038	NAVAJO		12	562975	4028800	6918	2	0	1	4	1919	1924	
AZD30232	ARIZONA D:11:1044	NAVAJO		12	565115	4038600	6939	2	0	1	5	1931	1931	1
AZD30233	ARIZONA D:11:1079	NAVAJO		12	563550	4030800	7020	2	0	1	3		1940	
AZD30234	ARIZONA D:11:1098	NAVAJO		12	567130	4039100	6939	2	0	1	9	1891	1961	2
AZD30235	ARIZONA D:11:1116	NAVAJO		12	561980	4032275	6860	2	0	1	2		1901	
AZD30236	ARIZONA D:11:1127	NAVAJO		12	564530	4037880	6900	2	0	1	4	1918	1921	
AZD30237	ARIZONA D:11:1132	NAVAJO		12	567000	4035805	7001	2	0	1	3		1879	
AZD30238	ARIZONA D:11:1135	NAVAJO		12	563765	4037650	6856	2	0	1	2	1916	1916	
AZD30239	ARIZONA D:11:1181	NAVAJO	RECENT	12	561375	4036225	6777	2	0	1	4	1917	1928	2
AZD30240	ARIZONA D:11:1193	NAVAJO		12	562350	4033260	6918	2	0	1	3		1960	
AZD30241	ARIZONA D:11:1194	NAVAJO		12	562575	4033400	6880	2	0	1	8	1941	1969	
AZD30242	ARIZONA D:11:1224	NAVAJO		12	562310	4033100	6918	2	0	1	2		1879	
AZD30243	ARIZONA D:11:1243	NAVAJO		12	562700	4038060	6797	2	0	1	13	1932	1937	1
AZD30244	ARIZONA D:11:1261	NAVAJO		12	563350	4032800	6978	2	0	1	3	1939	1942	
AZD30245	ARIZONA D:11:1263	NAVAJO	RECENT	12	562510	4033225	6900	2	0	1	6	1962	1962	1
AZD30246	ARIZONA D:11:1267	NAVAJO		12	563850	4031140	7020	2	0	1	2	1967	1967	
AZD30247	ARIZONA D:11:1274	NAVAJO		12	562990	4032275	6900	2	0	1	12	1963	1981	
AZD30248	ARIZONA D:11:1300	NAVAJO		12	566850	4031125	6978	2	0	1	2		1828	
AZD30249	ARIZONA D:11:1347	NAVAJO		12	564450	4029500	6939	2	0	1	2	1967	1967	
AZD30250	ARIZONA D:11:1348	NAVAJO		12	564400	4029905	6880	2	0	1	2		1958	
AZD30251	ARIZONA D:11:1352	NAVAJO		12	565425	4029990	6730	2	0	1	1	1970	1970	
AZD30252	ARIZONA D:11:1388	NAVAJO		12	565600	4032275	7060	2	0	1	2	1942	1944	
AZD30253	ARIZONA D:11:1501	NAVAJO		12	566875	4033800	7120	2	0	1	2	1934	1949	
AZD30254	ARIZONA D:11:4002	NAVAJO		12	566170	4030580	6585	2	0	1	2		1925	
AZD30255	ARIZONA D:11:4003	NAVAJO	RECENT	12	556375	4029560	6537	2	0	1	2	1910	1910	1
AZD30256	ARIZONA D:11:4004	NAVAJO		12	562250	4038250	6718	2	0	1	2		1789	
AZD30257	ARIZONA D:11:4006	NAVAJO		12	552540	4038660	6520	2	0	1	1	1891	1891	
AZD30258	ARIZONA D:11:4007	NAVAJO		12	552510	4038050	6535	2	0	1	5	1908	1932	1
AZD30259	ARIZONA D:11:4008	NAVAJO		12	552510	4038200	6563	2	0	1	4	1898	1934	1
AZD30260	ARIZONA D:11:4010	NAVAJO		12	552200	4027830	6515	2	0	1	2		1950	
AZD30261	ARIZONA D:11:4012	NAVAJO		12	554710	4027900	6488	2	0	1	28	1916	1966	3
AZD30262	ARIZONA D:11:4016	NAVAJO		12	556005	4027440	6527	2	0	1	3	1885	1885	
AZD30263	ARIZONA D:11:4017	NAVAJO		12	556200	4027330	6535	2	0	1	5	1898	1898	
AZD30264	ARIZONA D:11:4019	NAVAJO		12	557090	4028560	6660	2	0	1	6		1959	2
AZD30265	ARIZONA D:11:4020	NAVAJO	RECENT	12	556850	4027980	6555	2	0	1	16	1889	1925	1
AZD30266	ARIZONA D:11:4022	NAVAJO		12	556760	4028630	6630	2	0	1	19	1925	1961	4
AZD30267	ARIZONA D:11:4023	NAVAJO		12	556725	4027760	6527	2	0	1	6	1944	1944	1
AZD30268	ARIZONA D:11:4025	NAVAJO		12	556375	4028770	6573	2	0	1	5	1924	1934	
AZD30269	ARIZONA D:11:4026	NAVAJO		12	555840	4028380	6505	2	0	1	16	1941	1959	1
AZD30270	ARIZONA D:11:4027	NAVAJO	RECENT	12	555650	4028440	6495	2	0	1	9	1919	1926	1
AZD30271	ARIZONA D:11:4034	NAVAJO		12	553790	4032980	6430	2	0	1	5		1898	
AZD30272	ARIZONA D:11:4035	NAVAJO		12	553430	4032940	6315	2	0	1	2	1929	1930	
AZD30273	ARIZONA D:11:4037	NAVAJO		12	553025	4032440	6410	2	0	1	1	1943	1943	
AZD30274	ARIZONA D:11:4039	NAVAJO		12	552790	4032520	6366	2	0	1	2	1878	1878	
AZD30275	ARIZONA D:11:4040	NAVAJO		12	552740	4031900	6440	2	0	1	30	1912	1971	3
AZD30276	ARIZONA D:11:4041	NAVAJO		12	552650	4031690	6410	2	0	1	3		1843	

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AZD30277	ARIZONA D:11:4042	NAVAJO	RECENT	12	552600	4032450	6355	2	0	1	3	1967	1967	1
AZD30278	ARIZONA D:11:4048	NAVAJO		12	552250	4031660	6420	2	0	1	8	1935	1935	
AZD30279	ARIZONA D:11:4050	NAVAJO		12	552900	4033100	6300	2	0	1	4	1922	1946	
AZD30280	ARIZONA D:11:4051	NAVAJO		12	552925	4033035	6300	2	0	1	3		1938	
AZD30281	ARIZONA D:11:4053	NAVAJO		12	553370	4033120	6355	2	0	1	1		1746	
AZD30282	ARIZONA D:11:4054	NAVAJO		12	552200	4029190	6373	2	0	1	1	1917	1917	
AZD30283	ARIZONA D:11:4057	NAVAJO		12	550675	4028300	6400	2	0	1	12	1816	1832	
AZD30284	ARIZONA D:11:4059	NAVAJO		12	551010	4028160	6470	2	0	1	1		1787	
AZD30285	ARIZONA D:11:4060	NAVAJO	RECENT	12	550740	4027990	6495	2	0	1	9	1877	1896	2
AZD30286	ARIZONA D:11:4061	NAVAJO		12	550860	4028100	6440	2	0	1	2		1780	
AZD30287	ARIZONA D:7:4064	NAVAJO		12	551250	4027740	6478	2	0	1	1		1892	
AZD30288	ARIZONA D:11:4066	NAVAJO		12	551325	4027450	6517	2	0	1	5		1948	
AZD30289	ARIZONA D:11:4067	NAVAJO		12	551520	4027460	6505	2	0	1	3	1958	1958	1
AZD30290	ARIZONA D:11:4069	NAVAJO	RECENT	12	551960	4027430	6478	2	0	1	5	1910	1910	1
AZD30291	ARIZONA D:11:4070	NAVAJO		12	551800	4027250	6517	2	0	1	15	1906	1921	2
AZD30292	ARIZONA D:11:4079	NAVAJO	RECENT	12	555940	4030890	6505	2	0	1	5	1903	1903	1
AZD30293	ARIZONA D:11:4080	NAVAJO		12	555575	4030935	6468	2	0	1	4		1886	
AZD30294	ARIZONA D:11:4084	NAVAJO		12	556060	4032590	6544	2	0	1	27	1914	1952	3
AZD30295	ARIZONA D:11:4086	NAVAJO		12	556475	4032650	6517	2	0	1	4		1885	
AZD30296	ARIZONA D:11:4089	NAVAJO		12	555700	4033390	6540	2	0	1	6	1927	1929	1
AZD30297	ARIZONA D:11:4090	NAVAJO		12	555575	4033300	6517	2	0	1	1		1946	
AZD30298	ARIZONA D:11:4091	NAVAJO		12	555560	4032530	6525	2	0	1	1		1936	
AZD30299	ARIZONA D:11:4093	NAVAJO		12	554675	4033800	6498	2	0	1	3	1858	1877	
AZD30701	ARIZONA D:11:4094	NAVAJO		12	554710	4037475	6640	2	0	1	2		1949	
AZD30702	ARIZONA D:11:4097	NAVAJO		12	554150	4036290	6544	2	0	1	3	1920	1920	1
AZD30703	ARIZONA D:11:4098	NAVAJO		12	554090	4036390	6544	2	0	1	8	1920	1924	1
AZD30704	ARIZONA D:11:4101	NAVAJO		12	551500	4027160	6537	2	0	1	3	1942	1943	
AZD30705	ARIZONA D:11:4102	NAVAJO		12	551250	4027190	6565	2	0	1	3	1942	1942	1
AZD30706	ARIZONA D:11:4104	NAVAJO		12	550930	4027275	6488	2	0	1	2		1962	
AZD30707	ARIZONA D:11:4106	NAVAJO		12	552190	4027175	6458	2	0	1	6		1868	
AZD30708	ARIZONA D:11:4110	NAVAJO		12	551910	4028150	6430	2	0	1	5	1884	1911	
AZD30709	ARIZONA D:11:4117	NAVAJO		12	550650	4029005	6440	2	0	1	25	1942	1958	2
AZD30710	ARIZONA D:11:4121	NAVAJO		12	554175	4027835	6355	2	0	1	1		1895	
AZD30711	ARIZONA D:11:4125	NAVAJO		12	553590	4027550	6478	2	0	1	6		1963	
AZD30712	ARIZONA D:11:4127	NAVAJO		12	550780	4028020	6442	2	0	1	5	1906	1906	
AZD30713	ARIZONA D:11:4128	NAVAJO		12	550625	4028050	6440	2	0	1	1		1713	
AZD30714	ARIZONA D:11:4129	NAVAJO		12	551960	4028360	6430	2	0	1	6	1809	1896	
AZD30715	ARIZONA D:11:4136	NAVAJO		12	553325	4027910	6442	2	0	1	2		1954	
AZD30716	ARIZONA D:11:4137	NAVAJO		12	553350	4033140	6355	2	0	1	1		1958	
AZD30717	ARIZONA D:11:4138	NAVAJO		12	553490	4033300	6320	2	0	1	2	1910	1910	
AZD30718	ARIZONA D:11:4139	NAVAJO		12	553660	4033660	6390	2	0	1	1		1889	
AZD30719	ARIZONA D:11:4144	NAVAJO		12	550875	4034140	6450	2	0	1	3	1920	1923	
AZD30720	ARIZONA D:11:4145	NAVAJO		12	550650	4033995	6455	2	0	1	1	1926	1926	
AZD30721	ARIZONA D:11:4154	NAVAJO		12	551370	4033630	6470	2	0	1	2	1895	1898	
AZD30722	ARIZONA D:11:4160	NAVAJO		12	551700	4034300	6460	2	0	1	7	1941	1941	1
AZD30723	ARIZONA D:11:4164	NAVAJO		12	552100	4033340	6356	2	0	1	2		1957	
AZD30724	ARIZONA D:11:4175	NAVAJO		12	552050	4034450	6514	2	0	1	6	1958	1958	
AZD30725	ARIZONA D:11:4182	NAVAJO		12	554440	4036040	6547	2	0	1	5	1948	1948	
AZD30726	ARIZONA D:11:4183	NAVAJO	RECENT	12	554540	4036240	6555	2	0	1	3	1897	1909	1
AZD30727	ARIZONA D:11:4184	NAVAJO		12	554400	4036250	6555	2	0	1	9	1915	1919	2
AZD30728	ARIZONA D:11:4186	NAVAJO		12	554425	4036190	6510	2	0	1	2	1928	1940	

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AZD30729	ARIZONA D:11:4187	NAVAJO		12 554210	4036180	6510	2	0	1	4		1930	
AZD30730	ARIZONA D:11:4192	NAVAJO		12 550290	4039240	6420	2	0	1	16	1938	1950	1
AZD30731	ARIZONA D:11:4193	NAVAJO		12 550100	4038650	6478	2	0	1	2	1975	1975	1
AZD30732	ARIZONA D:11:4194	NAVAJO		12 550440	4038610	6380	2	0	1	6	1897	1918	
AZD30733	ARIZONA D:11:4195	NAVAJO		12 550360	4038625	6420	2	0	1	1		1893	
AZD30734	ARIZONA D:11:4196	NAVAJO		12 552630	4039125	6560	2	0	1	2		1781	
AZD30735	ARIZONA D:11:4197	NAVAJO		12 552530	4039050	6517	2	0	1	2	1859	1859	
AZD30736	ARIZONA D:11:4199	NAVAJO		12 551610	4039025	6540	2	0	1	13	1870	1882	
AZD30737	ARIZONA D:11:4200	NAVAJO		12 552070	4038690	6478	2	0	1	15	1870	1911	
AZD30738	ARIZONA D:11:4210	NAVAJO	RECENT	12 551825	4038450	6517	2	0	1	12	1892	1944	2
AZD30739	ARIZONA D:11:4213	NAVAJO		12 550975	4032725	6420	2	0	1	2	1897	1897	
AZD30740	ARIZONA D:11:4217	NAVAJO		12 551025	4033330	6486	2	0	1	3		1947	1
AZD30741	ARIZONA D:11:4226	NAVAJO		12 552475	4034030	6405	2	0	1	8	1943	1943	1
AZD30742	ARIZONA D:11:4227	NAVAJO		12 552290	4033600	6355	2	0	1	17	1949	1975	1
AZD30743	ARIZONA D:11:4228	NAVAJO		12 552750	4033640	6297	2	0	1	1	1932	1932	
AZD30744	ARIZONA D:11:4232	NAVAJO		12 554240	4037190	6590	2	0	1	5	1915	1927	
AZD30745	ARIZONA D:11:4233	NAVAJO		12 554400	4037005	6590	2	0	1	5	1917	1924	
AZD30746	ARIZONA D:11:4234	NAVAJO	RECENT	12 554375	4037050	6575	2	0	1	10	1916	1922	2
AZD30747	ARIZONA D:11:4236	NAVAJO	RECENT	12 551680	4037280	6535	2	0	1	2	1908	1908	1
AZD30748	ARIZONA D:11:4237	NAVAJO		12 551690	4037325	6535	2	0	1	5	1911	1913	
AZD30749	ARIZONA D:11:4239	NAVAJO		12 552210	4037460	6583	2	0	1	18	1920	1957	1
AZD30750	ARIZONA D:11:4240	NAVAJO		12 552660	4037600	6520	2	0	1	4	1925	1928	1
AZD30751	ARIZONA D:11:4242	NAVAJO		12 552005	4037775	6520	2	0	1	23	1885	1969	3
AZD30752	ARIZONA D:11:4244	NAVAJO		12 552780	4038180	6590	2	0	1	1		1893	
AZD30753	ARIZONA D:11:4245	NAVAJO		12 552700	4038220	6440	2	0	1	3	1927	1947	
AZD30754	ARIZONA D:11:4246	NAVAJO		12 552600	4038080	6575	2	0	1	24	1887	1971	3
AZD30755	ARIZONA D:11:4247	NAVAJO	RECENT	12 552420	4038280	6538	2	0	1	8	1892	1899	1
AZD30756	ARIZONA D:11:4248	NAVAJO		12 552400	4038190	6487	2	0	1	7	1885	1886	
AZD30757	ARIZONA D:11:4250	NAVAJO		12 552640	4038440	6565	2	0	1	1	1908	1908	
AZD30758	ARIZONA D:11:4252	NAVAJO		12 551260	4038110	6487	2	0	1	15	1945	1953	2
AZD30759	ARIZONA D:11:4253	NAVAJO		12 560860	4038575	6672	2	0	1	4		1895	
AZD30760	ARIZONA D:11:4257	NAVAJO		12 553310	4035440	6535	2	0	1	1		1765	
AZD30761	ARIZONA D:11:4261	NAVAJO		12 553275	4034825	6517	2	0	1	8	1958	1958	1
AZD30762	ARIZONA D:11:4262	NAVAJO		12 553175	4034300	6438	2	0	1	2	1912	1913	
AZD30763	ARIZONA D:11:4263	NAVAJO		12 553160	4034060	6395	2	0	1	3	1913	1913	1
AZD30764	ARIZONA D:11:4268	NAVAJO		12 554160	4035410	6535	2	0	1	1		1698	
AZD30765	ARIZONA D:11:4269	NAVAJO		12 553975	4035350	6420	2	0	1	9	1833	1833	
AZD30766	ARIZONA D:11:4271	NAVAJO	RECENT	12 555340	4036200	6487	2	0	1	7		1871	2
AZD30767	ARIZONA D:11:4283	NAVAJO		12 550460	4037190	6327	2	0	1	7	1912	1913	1
AZD30768	ARIZONA D:11:4289	NAVAJO		12 549930	4037320	6487	2	0	1	2		1914	
AZD30769	ARIZONA D:11:4291	NAVAJO		12 550100	4037760	6505	2	0	1	6	1895	1895	
AZD30770	ARIZONA D:11:4295	NAVAJO		12 549910	4037710	6497	2	0	1	4	1942	1942	1
AZD30771	ARIZONA D:11:4297	NAVAJO		12 549850	4037780	6520	2	0	1	3	1858	1858	
AZD30772	ARIZONA D:11:4298	NAVAJO		12 549800	4037720	6505	2	0	1	1	1918	1918	
AZD30773	ARIZONA D:11:4301	NAVAJO		12 551350	4038540	6547	2	0	1	6		1960	1
AZD30774	ARIZONA D:11:4302	NAVAJO		12 551025	4038480	6416	2	0	1	20	1927	1969	2
AZD30775	ARIZONA D:11:4317	NAVAJO		12 549325	4037570	6525	2	0	1	13		1955	1
AZD30776	ARIZONA D:11:4318	NAVAJO		12 549300	4037625	6525	2	0	1	1	1954	1954	
AZD30777	ARIZONA D:11:4321	NAVAJO		12 549660	4037475	6460	2	0	1	1		1871	
AZD30778	ARIZONA D:11:4322	NAVAJO		12 549425	4037390	6548	2	0	1	1	1938	1938	
AZD30779	ARIZONA D:11:4323	NAVAJO		12 549720	4037200	6545	2	0	1	3	1898	1948	

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AZD30780	ARIZONA D:11:4324	NAVAJO		12 549080	4037855	6577	2	0	1	2	1898	1911	
AZD30781	ARIZONA D:11:4325	NAVAJO		12 549090	4038325	6577	2	0	1	1	1869	1869	
AZD30782	ARIZONA D:11:4328	NAVAJO		12 549440	4037970	6538	2	0	1	2	1937	1937	
AZD30783	ARIZONA D:11:4329	NAVAJO		12 549790	4038085	6527	2	0	1	9	1869	1946	1
AZD30784	ARIZONA D:11:4336	NAVAJO		12 555900	4035580	6410	2	0	1	7		1899	
AZD30785	ARIZONA D:11:4337	NAVAJO	RECENT	12 555850	4035650	6420	2	0	1	8	1919	1919	1
AZD30786	ARIZONA D:11:4340	NAVAJO		12 555825	4036160	6440	2	0	1	8		1710	
AZD30787	ARIZONA D:11:4341	NAVAJO		12 555810	4034640	6555	2	0	1	7	1889	1889	
AZD30788	ARIZONA D:11:4343	NAVAJO		12 555640	4035800	6380	2	0	1	5		1749	
AZD30789	ARIZONA D:11:4344	NAVAJO		12 555700	4035650	6400	2	0	1	2		1685	
AZD30790	ARIZONA D:11:4347	NAVAJO		12 555600	4035560	6435	2	0	1	5	1928	1928	1
AZD30791	ARIZONA D:11:4348	NAVAJO	RECENT	12 555500	4035650	6430	2	0	1	5	1905	1908	1
AZD30792	ARIZONA D:11:4350	NAVAJO		12 555360	4035775	6360	2	0	1	4		1818	
AZD30793	ARIZONA D:11:4351	NAVAJO		12 555225	4035010	6460	2	0	1	3		1921	
AZD30794	ARIZONA D:11:302	NAVAJO		12 565770	4039110	6850	2	0	1	1		1902	
AZD30795	ARIZONA D:11:349	NAVAJO		12 562300	4030850	6980	2	0	1	1		1899	
AZD30796	ARIZONA D:11:878	NAVAJO		12 561005	4030730	6890	2	0	1	1	1865	1865	
AZD30797	ARIZONA D:7:2085	NAVAJO		12 550900	4047100	6770		0		1		1788	
AZD30798	ARIZONA D:15:3	NAVAJO		12 549000	4007000	6400	2	0	1	5	1941	1941	1
AZD30799	ARIZONA D:15:11	NAVAJO		12 553000	4007000	6400	2	0	1	3	1937	1962	
AZD30801	ARIZONA D:11:711	NAVAJO		12 552835	4015550	6580	2	0	1	1	1939	1939	
AZD30802	ARIZONA D:11:725	NAVAJO		12 548275	4019225	7040	2	0	1	6	1942	1954	
AZD30803	ARIZONA D:11:728	NAVAJO		12 548625	4019050	6990	2	0	1	3	1941	1941	
AZD30804	ARIZONA D:11:748	NAVAJO		12 553025	4017630	6670	2	0	1	3		1949	
AZD30805	ARIZONA D:11:756	NAVAJO		12 552110	4018650	6640	2	0	1	6		1857	
AZD30806	ARIZONA D:11:1403	NAVAJO		12 547350	4017225	7065	2	0	1	1	1925	1925	
AZD30807	ARIZONA D:11:1408	NAVAJO		12 550175	4015450	6640	2	0	1	2		1925	
AZD30808	ARIZONA D:11:264	NAVAJO		12 559750	4028300	6840	2	0	1	1	1930	1930	
AZD30809	ARIZONA D:8:1219	NAVAJO	RECENT	12 570000	4050000	7000	2	0	1	30	1920	1974	1
AZD30810	ARIZONA D:12:408	NAVAJO	DECHEL	12 568000	4037000	7000	2	0	1	11	1839	1941	2
AZD30811	ARIZONA D:11:4957	NAVAJO		12 555000	4036000	6500	2	0	1	1		1958	
AZD30812	U-1	NAVAJO		12 500000	4000000	6000		0		4	1866	1887	
AZD30813	U-2	NAVAJO		12 500000	4030000	6000		0		1		1849	
AZE0401	CC 351 (NPS)	NAVAJO	GOVERN	12 645000	3997000	5850	1	0	1	45	1773	1773	
AZE01401	SPIDER ROCK FORT	PUEBLITO	GOVERN	12 648670	3996970	6210	2	0	1	3		1780	
AZE02401	CANYON DE CHELLY	NAVAJO	RECENT	12 650000	3998000	7000	2	0	1	8		1864	1
AZE04001	NLC-W-LLC-BC-P	NAVAJO	CABEZO	12 595000	4000000	6800	2	0	1	2		1798	
AZE04501	AZ-I-43-23 (NNCRMP)	NAVAJO	CABEZO	12 650600	4020200	6840	2	0	1	7		1827	
AZE04502	AZ-I-43-22 (NNCRMP)	NAVAJO	CABEZO	12 650600	4020500	6760	2	0	1	3	1844	1844	1
AZE04503	NA 11361	NAVAJO	RECENT	12 645600	4011200	6840	2	0	1	12	1941	1954	2
AZE04504	NA 9723	NAVAJO	RECENT	12 649500	4014500	6942	2	0	1	13	1883	1892	1
AZE04505	NA 11362	NAVAJO		12 645800	4010800	6840	2	0	1	1		1672	
AZE04506	NA 11371	NAVAJO	RECENT	12 641200	4002900	6480	2	0	1	2	1917	1920	
AZE04507	NA 11373	NAVAJO	RECENT	12 641100	4002700	6480	2	0	1	2	1917	1917	
AZE04508	NA 9713	NAVAJO	CABEZO	12 636800	4002700	6172	2	0	1	3	1813	1813	
AZE04509	NA 9718	NAVAJO	RECENT	12 647400	4014900	6805	2	0	1	8	1866	1871	1
AZE04510	NA 9722	NAVAJO	RECENT	12 649450	4014500	6942	2	0	1	7	1890	1892	1
AZE05201	NRM-45 (NPS)	NAVAJO	RECENT	12 649020	4015290	6950	2	0	1	1		1874	
AZE05202	NRM-46 (NPS)	NAVAJO	RECENT	12 649140	4014780	6960	2	0	1	1	1929	1929	
AZE05203	NRM-55 (NPS)	NAVAJO		12 651020	4015320	7200	2	0	1	1		1801	
AZE05204	NRM-57 (NPS)	NAVAJO	RECENT	12 651180	4017080	7090	2	0	1	1	1895	1895	

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AZE05205	NRM-61 (NPS)	NAVAJO	RECENT	12	651710	4016480	7090	2	0	1	2		1913	
AZE05206	NRM-67 (NPS)	NAVAJO		12	650370	4013240	6940	2	0	1	1		1820	
AZE05207	NRM-68 (NPS)	NAVAJO	CABEZO	12	650460	4013260	6940	2	0	1	2	1856	1856	
AZE05208	NRM-69 (NPS)	NAVAJO	RECENT	12	644620	4006340	6775	2	0	1	1		1859	
AZE05209	NRM-81 (NPS)	NAVAJO	RECENT	12	652090	4015820	7075	2	0	1	1	1914	1914	
AZE05210	NRM-83 (NPS)	NAVAJO	RECENT	12	652040	4015350	7075	2	0	1	2	1908	1908	
AZE05211	NRM-85 (NPS)	NAVAJO		12	651340	4013850	7075	2	0	1	1		1829	
AZE05212	NRM-98 (NPS)	NAVAJO	RECENT	12	654290	4013610	7075	2	0	1	1		1876	
AZE05213	NRM-111 (NPS)	NAVAJO	RECENT	12	647730	4014580	6810	2	0	1	1		1921	
AZE05214	NRM-112 (NPS)	NAVAJO	RECENT	12	647510	4014890	6820	2	0	1	1	1905	1905	
AZE05215	NRM-113 (NPS)	NAVAJO	RECENT	12	652220	4015510	7090	2	0	1	1		1883	
AZE05216	PEN-15 (NPS)	NAVAJO	RECENT	12	659970	4013560	7270	2	0	1	3		1933	
AZE05217	PEN-24 (NPS)	NAVAJO	RECENT	12	653310	4010980	7175	2	0		6	1903	1952	
AZE05218	PEN-25 (NPS)	NAVAJO	RECENT	12	655060	4012030	7280	2	0	1	2		1961	
AZE05219	PEN-29 (NPS)	NAVAJO	RECENT	12	653340	4011520	7140	2	0	1	2		1934	
AZE05220	PEN-32 (NPS)	NAVAJO	RECENT	12	651750	4011100	7175	2	0	1	2		1881	
AZE05221	PEN-35 (NPS)	NAVAJO		12	651680	4011125	7275	2	0	1	1		1841	
AZE05222	PEN-47 (NPS)	NAVAJO		12	646910	4001910	6760	2	0	1	1		1820	
AZE05223	PEN-61 (NPS)	NAVAJO		12	651650	4016450	6940	2	0	1	1		1850	
AZE05224	PEN-78 (NPS)	NAVAJO	RECENT	12	643450	4002520	6015	2	0	1	3		1916	
AZE05225	PEN-87 (NPS)	NAVAJO	RECENT	12	644610	4002350	6020	2	0	1	1		1928	
AZE05226	PEN-90 (NPS)	NAVAJO	RECENT	12	652090	4001740	6910	2	0	1	2		1916	
AZE05227	PEN-95 (NPS)	NAVAJO	RECENT	12	651425	4003460	7200	2	0	1	4		1939	
AZE05228	PEN-107 (NPS)	NAVAJO	RECENT	12	643240	3999430	6650	2	0	1	2		1932	
AZE05229	PEN-125 (NPS)	NAVAJO		12	644210	4003300	6630	2	0	1	1		1858	
AZE05230	PEN-126 (NPS)	NAVAJO	RECENT	12	645680	4003880	6775	2	0	1	2		1912	
AZE05231	PEN-127 (NPS)	NAVAJO	RECENT	12	645350	4003670	6750	2	0	1	1	1909	1909	
AZE05232	PEN-128 (NPS)	NAVAJO	RECENT	12	645350	4004010	6780	2	0	1	1		1907	
AZE05233	PEN-129 (NPS)	NAVAJO	RECENT	12	645250	4003510	6675	2	0	1	1		1800	
AZE05234	MCC-12 (NPS)	NAVAJO	RECENT	12	644910	4003510	6615	2	0	1	4	1885	1909	
AZE05235	CDM-156 (NPS)	NAVAJO	RECENT	12	651010	4012170	6380	2	0	1	1		1898	
AZE05236	NAVAJO FORTRESS	NAVAJO	PUEBLI	12	637600	4002450	6040	2	0	1	3		1834	
AZE05301	C54-6 (BIA)	NAVAJO	RECENT	12	696670	3886610	0	2	0	1	1	1909	1909	
AZE05302	BLR-3 (NNCRMP)	NAVAJO	RECENT	12	643710	4001610	5920	2	0	1	2	1866	1872	
AZE05303	BLR-18 (NNCRMP)	NAVAJO	RECENT	12	641810	4001640	5920	2	0	1	2	1867	1873	
AZE05304	AZ-I-23-40 (NNCRMP)	NAVAJO	RECENT	12	670000	4060000	6000	2	0	1	2		1888	
AZE05305	AZ-I-23-82 (NNCRMP)	NAVAJO	RECENT	12	664000	4067000	6100	2	0	1	1		1911	
AZE05306	AZ-I-23-97 (NNCRMP)	NAVAJO	RECENT	12	667000	4065000	6100	2	0	1	1		1891	
AZE05307	AZ-I-23-109 (NNCRMP)	NAVAJO	RECENT	12	665000	4066000	6100	2	0	1	2		1897	
AZE05308	AZ-I-23-110 (NNCRMP)	NAVAJO	RECENT	12	670000	4065000	6100	2	0	1	1		1884	
AZE05309	C63-3 (BIA)	NAVAJO	RECENT	12	687000	3996000	8800	2	0	1	1	1897	1897	
AZE05310	C63-4 (BIA)	NAVAJO	RECENT	12	688000	3995000	8800	2	0	1	1		1860	
AZE05311	C63-16 (BIA)	NAVAJO	RECENT	12	685000	4004000	8500	2	0	1	1		1877	
AZE05312	C63-19 (BIA)	NAVAJO	RECENT	12	684000	4003000	8800	2	0	1	1	1886	1886	
AZE05313	C63-31 (BIA)	NAVAJO	RECENT	12	684000	4007000	8700	2	0	1	2		1878	
AZE05314	C63-35 (BIA)	NAVAJO	RECENT	12	689000	4001700	8500	2	0	1	1		1857	
AZE05315	C63-53 (BIA)	NAVAJO	RECENT	12	688000	4001500	8800	2	0	1	1	1886	1886	
AZE05316	C63-67 (BIA)	NAVAJO	RECENT	12	685000	4001000	8700	2	0	1	1	1953	1953	
AZE05317	C63-125 (BIA)	NAVAJO	RECENT	12	681000	4002000	8700	2	0	1	1		1830	
AZE05318	C63-132 (BIA)	NAVAJO	RECENT	12	688000	4005000	8600	2	0	1	1		1907	
AZE05319	C63-143 (BIA)	NAVAJO	RECENT	12	681000	4000700	8200	2	0	1	1		1847	

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AZE05601	ARIZONA E:12:8	NAVAJO	RECENT	12	660125	4031100	6645	2	0	1	7	1894	1899	1
AZE05602	ARIZONA E:12:5	NAVAJO	RECENT	12	660400	4031450	6661	2	0	1	10	1906	1947	1
AZG00101	NA 2424	WALAPAI	RECENT	12	310000	3950000	6000	2	0		1	1878	1878	
AZH02101	NLC-W-HC-LH-DD	NAVAJO	RECENT	12	400000	3970000	6400	2	0	1	2	1793	1881	
AZH02301	NLC-W-HC-LH-JJ	NAVAJO	RECENT	12	401000	3970000	6400	2	0	1	3	1866	1867	
AZH02401	NLC-W-HC-LH-S	HAVASUPAI	RECENT	12	340000	4017000	5000	2	0	1	1		1904	
AZH02601	NLC-W-HC-LH-U	HAVASUPAI	RECENT	12	380000	3990000	6000	2	0	1	1	1894	1894	
AZI02902	WS-687 (NPS)	NAVAJO		12	474000	3932000	4500	2	0	1	4	1938	1938	1
AZI02903	WS-686 (NPS)	NAVAJO		12	473000	3931000	4500	2	0	1	1		1962	
AZI02904	WS-767 (NPS)	NAVAJO		12	468500	3927500	4800	2	0	1	1	1945	1945	
AZI02905	WUPATKI RAMADA	NAVAJO		12	473500	3937100	4300	2	0	1	1	1967	1967	
AZI03702	LE BARON KIVA			12	470400	3901150	5900	1	S	1	1		1764	
AZI08201	NLC-W-HC-LH-I	NAVAJO		12	382000	3973000	5980	2	0	1	3		1862	
AZI08301	NLC-W-LLC-C-C	NAVAJO		12	425000	3980100	6600	2	0	1	3	1833	1833	
AZI08401	NLC-W-LLC-C-D	NAVAJO		12	429000	3981000	6500	2	0	1	14		1828	
AZI08501	NLC-W-LLC-C-E	NAVAJO		12	422000	3975000	6500	2	0	1	8	1798	1839	
AZI08601	NLC-W-LLC-C-F	NAVAJO		12	435000	3984000	6400	2	0	1	5	1765	1809	
AZI08701	NLC-W-LLC-C-G	NAVAJO		12	434000	3981000	6600	2	0	1	1		1788	
AZI08801	NLC-W-LLC-C-H	NAVAJO		12	436000	3979000	6600	2	0	1	1		1735	
AZI08901	NLC-W-LLC-C-I	NAVAJO		12	420500	3979000	6600	2	0	1	1		1832	
AZI09201	NLC-W-LLC-C-R	NAVAJO		12	428500	3973500	6800	2	0	1	2	1865	1869	
AZI09401	NLC-W-LLC-C-T	NAVAJO		12	429500	3972500	7050	2	0	1	1		1823	
AZI09901	NLC-W-LLC-C-Z	NAVAJO		12	431000	3933000	6500	2	0	1	1		1858	
AZI10001	NLC-W-LLC-C-AA	NAVAJO		12	429500	3945000	6400	2	0	1	1		1833	
AZI10101	NLC-W-LLC-C-CC	NAVAJO		12	430100	3972000	7400	2	0	1	2	1795	1828	
AZI10401	NLC-W-LLC-C-MM	NAVAJO		12	429000	3970000	7000	2	0	1	7		1824	1
AZI10601	NLC-W-LLC-C-OO	NAVAJO	GOBERN	12	431000	3960000	6000	2	0	1	29	1756	1830	2
AZI10701	NLC-W-LLC-C-PP	NAVAJO		12	425000	3984000	7300	2	0	1	1		1746	
AZI11101	NLC-W-LLC-D-A	NAVAJO		12	458000	3936000	0	2	0	1	2	1903	1911	
AZI11901	NLC-W-LLC-SF-I	NAVAJO		12	461000	3907500	6400	2	0	1	2		1885	
AZI12001	NLC-W-LLC-SF-K	NAVAJO		12	473000	3909400	5600	2	0	1	2		1875	
AZI12201	NLC-W-LLC-SF-L	NAVAJO		12	457000	3902500	6500	2	0	1	2	1870	1870	
AZI12301	NLC-W-LLC-SF-M	NAVAJO		12	457000	3902000	6400	2	0	1	1		1893	
AZI12501	NLC-W-LLC-SF-O	NAVAJO		12	470000	3900000	5750	2	0	1	1		1854	
AZI12801	NLC-W-HC-LH-P	NAVAJO		12	411000	3957000	6400	2	0	1	2	1909	1918	
AZI13001	NLC-W-LLC-C-MISC	NAVAJO		12	430000	3960000	6000		0		1		1934	
AZI13101	NLC-W-LLC-MISC	NAVAJO		12	500000	3950000	6000		0		1		1823	
AZI13301	HARBISON CAVE	COHONINO	RECENT	12	417000	3961000	6100	3	S		2		1779	
AZI13601	NA 11142	NAVAJO		12	420100	3943500	7400	2	0	1	2		1843	
AZJ00401	HAND	TEWA	P4	12	555001	3965900	6200	2	0	1	1		1556	
AZJ00701	ORAIBI	HOPI	P5	12	534150	3969910	5740	2	0	2	155		1760	
AZJ00801	NEW ORAIBI	HOPI	P5-P6	12	534500	3970050	5600	2	0	1	1		1689	
AZJ01201	SHIPAULOVI	HOPI	P5-P6	12	546450	3962600	6200	2	0	1	2		1610	
AZJ01301	SHUNGOPAVI	HOPI	P5-P6	12	542750	2962250	6360	2	0	1	52		1720	
AZJ01401	SICHOMOVI	HOPI	P5-P6	12	554750	3965750	6200	2	0	1	2		1565	
AZJ02401	WALPI	HOPI	P5	12	555105	2966205	6270	2	0	2	462	1418	1975	
AZJ03401	NLC-W-LLC-J-B	NAVAJO		12	578000	3978100	6700	2	0	1	2		1828	
AZJ03501	NLC-W-LLC-J-C	NAVAJO		12	577500	3978900	6700	2	0	1	2		1854	
AZJ03701	NLC-W-LLC-J-E	NAVAJO		12	576900	3979000	6600	2	0	1	1		1808	
AZJ03801	NLC-W-LLC-J-H	NAVAJO		12	575700	3978500	6600	2	0	1	2		1840	
AZJ04001	NLC-W-LLC-J-J	NAVAJO		12	576600	3979600	6800	2	0	1	1	1723	1723	



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AZJ04101	NLC-W-LLC-J-K	NAVAJO		12	577200	3979800	6900	2	0	1	1		1778	
AZJ04601	NLC-W-LLC-LM-G	NAVAJO		12	581000	3979800	6580	2	0	1	1		1773	
AZJ04701	NLC-W-LLC-LM-H	NAVAJO		12	581000	3981000	6600	2	0	1	1	1891	1891	
AZJ04801	NLC-W-LLC-LM-M	NAVAJO		12	588000	3979500	6600	2	0	1	2	1807	1858	
AZJ04901	NLC-W-LLC-LM-N	NAVAJO		12	587000	3984000	6600	2	0	1	3	1926	1926	1
AZJ05001	NLC-W-LLC-LM-P	NAVAJO		12	588000	3983000	6600	2	0	1	3	1932	1932	1
AZJ05101	NLC-W-LLC-MB-G	NAVAJO		12	572000	3941000	6000	2	0	1	3	1819	1849	
AZJ05401	NLC-W-LLC-MB-BB	NAVAJO		12	579500	3932500	6200	2	0	1	1	1887	1887	
AZJ05901	NLC-W-LLC-MB-KK	NAVAJO		12	578500	3931500	6200	2	0	1	1	1898	1898	
AZJ06201	NLC-W-LLC-MB-NN	NAVAJO		12	582500	3933500	6100	2	0	1	2	1817	1887	
AZJ06301	NLC-W-LLC-MB-OO	NAVAJO		12	580300	3933100	6250	2	0	1	1		1902	
AZJ06401	NLC-W-LLC-MB-PP	NAVAJO		12	579100	3933500	6100	2	0	1	2	1875	1875	1
AZJ06501	NLC-W-LLC-MB-QQ	NAVAJO		12	579300	3932900	6200	2	0	1	3	1887	1887	
AZJ06801	NLC-W-LLC-MB-GGG	NAVAJO		12	565000	3940000	6000	2	0	1	2	1916	1916	1
AZJ07101	NLC-W-LLC-MJ-A2	NAVAJO		12	575000	3955000	6500	2	0	1	1	1884	1884	
AZJ07201	NLC-W-LLC-MJ-A3	NAVAJO		12	576000	3954000	6500	2	0	1	5	1856	1893	2
AZJ07301	NLC-W-LLC-MJ-A7	NAVAJO		12	569000	3950700	5900	2	0	1	2	1873	1878	
AZJ07401	NLC-W-LLC-MJ-G	NAVAJO		12	571500	3951200	5950	2	0	1	2		1878	
AZJ07501	NLC-W-LLC-MJ-H	NAVAJO		12	571800	3951400	6000	2	0	1	1		1876	
AZJ07801	NLC-W-LLC-MJ-DD	NAVAJO		12	577500	3949800	6580	2	0	1	4	1772	1806	
AZJ08001	NLC-W-LLC-MJ-II	NAVAJO		12	581000	3944000	6300	2	0	1	4	1817	1826	
AZJ08101	NLC-W-LLC-MJ-HH	NAVAJO		12	581500	3943700	6200	2	0	1	3	1809	1811	
AZJ08201	NLC-W-LLC-MJ-XX	NAVAJO		12	563000	3945000	5750	2	0	1	1	1878	1878	
AZJ08301	NLC-W-LLC-MJ-III	NAVAJO		12	577000	3955000	6900	2	0	1	1	1797	1797	
AZJ08401	NLC-W-LLC-MJ-QQQ	NAVAJO		12	583000	3945000	6500	2	0	1	3	1807	1811	
AZJ08601	NLC-W-LLC-MJ-SSS	NAVAJO		12	584000	3947000	6500	2	0	1	9	1720	1882	
AZJ08801	NLC-W-LLC-MJ-WWW	NAVAJO		12	582000	3942000	6300	2	0	1	1	1858	1858	
AZJ08901	NLC-W-LLC-MJ-XXX	NAVAJO		12	571000	3942000	0	2	0	1	1		1880	
AZJ09001	NLC-W-LLC-MJ-ZZZ	NAVAJO		12	580000	3946000	6000	2	0	1	3		1887	
AZJ09201	NLC-W-LLC-NJ-B	NAVAJO		12	581000	3969500	6700	2	0	1	1	1703	1703	
AZJ09301	NLC-W-LLC-NJ-D	NAVAJO		12	585000	3971300	6900	2	0	1	2		1776	
AZJ09401	NLC-W-LLC-NJ-F	NAVAJO		12	582000	3968800	6700	2	0	1	3	1858	1858	
AZJ09601	NLC-W-LLC-NJ-K	NAVAJO		12	589000	3974500	6750	2	0	1	1		1757	
AZJ09701	NLC-W-LLC-NJ-N	NAVAJO		12	589000	3970100	6800	2	0	1	2	1858	1858	
AZJ10001	NLC-W-LLC-NJ-AA	NAVAJO		12	584000	3962000	6500	2	0	1	1	1855	1855	
AZJ10101	NLC-W-LLC-NJ-BB	NAVAJO		12	583000	3961000	6400	2	0	1	1	1816	1816	
AZJ10201	NLC-W-LLC-OP-P	NAVAJO		12	574000	3971000	6400	2	0	1	1	1804	1804	
AZJ10401	NLC-W-LLC-OP-T	NAVAJO		12	573000	3969000	6400	2	0	1	1	1711	1711	
AZJ10501	NLC-W-LLC-OP-U	NAVAJO		12	576000	3969000	6400	2	0	1	1	1860	1860	
AZJ10601	NLC-W-LLC-P-N	NAVAJO		12	572000	3983000	6250	2	0	1	2		1807	
AZJ10901	NLC-W-LLC-P-R	NAVAJO		12	569500	3982000	6200	2	0	1	1		1817	
AZJ11301	NLC-W-LLC-TS-B	NAVAJO		12	580300	3974000	6500	2	0	1	1	1817	1817	
AZJ11401	NLC-W-LLC-TS-D	NAVAJO		12	582300	3977000	6900	2	0	1	2	1853	1858	
AZJ11501	NLC-W-LLC-TS-E	NAVAJO		12	582100	3976900	6900	2	0	1	1	1666	1666	
AZJ11601	NLC-W-LLC-TS-F	NAVAJO		12	583400	3977400	6900	2	0	1	1		1759	
AZJ11701	NLC-W-LLC-TS-H	NAVAJO	DECHEL	12	580800	3970400	6500	2	0	1	3	1856	1856	1
AZJ11801	NLC-W-LLC-TS-I	NAVAJO		12	583700	3970900	6400	2	0	1	1	1893	1893	
AZK01201	KINNAZINDE	PUEBLITO	GOBERN	12	637950	3924970	6580	2	0	1	16	1759	1760	1
AZK01501	SMALL KLAGETOH	PUEBLITO	GOBERN	12	635000	3925000	6420	2	0	1	2		1743	
AZK01701	NAZLINI CANYON	PUEBLITO	GOBERN	12	641740	3973750	6600	2	0	1	18	1751	1762	1
AZK03501	NLC-W-LLC-NJ-H	NAVAJO	RECENT	12	595000	3975000	7200	2	0	1	3	1888	1893	

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AZK03601	NLC-W-LLC-NJ-J	NAVAJO	RECENT	12	592000	3974000	6900	2	0	1	2	1890	1898	
AZK03701	NLC-W-LLC-NJ-L	NAVAJO	RECENT	12	591000	3955000	6900	2	0	1	1	1900	1900	
AZK03901	NLC-W-LLC-NJ-P	NAVAJO	DECHEL	12	606000	3972000	7400	2	0	1	2	1814	1814	
AZK04301	NLC-W-LLC-NJ-W	NAVAJO		12	590000	3961000	6500	2	0	1	1		1784	
AZK04401	NLC-W-LLC-NJ-DD	NAVAJO	RECENT	12	604000	3973000	6700	2	0	1	1	1868	1868	
AZK04501	NLC-W-LLC-NJ-EE	NAVAJO		12	603000	3972000	6700	2	0	1	1		1800	
AZK04601	NLC-E-LLC-NJ-FF	NAVAJO	DECHEL	12	600000	3970000	6500	2	0	1	2	1857	1867	
AZK04701	NLC-E-LLC-SM-A	NAVAJO		12	595000	3986000	6900	2	0	1	1		1760	
AZK04801	NLC-E-LLC-SM-B	NAVAJO		12	596000	3985000	6900	2	0	1	1		1738	
AZK05001	NLC-E-LLC-SM-D	NAVAJO		12	594000	3987000	0	2	0	1	2		1773	
AZK05101	NLC-W-LLC-SM-E	NAVAJO		12	593000	3985000	6900	2	0	1	2		1756	
AZK05301	NLC-E-LLC-SM-G	NAVAJO	RECENT	12	594000	3986000	6900	2	0	1	1	1879	1879	
AZK05501	NLC-E-LLC-SM-I	NAVAJO		12	597000	3986000	6900	2	0	1	1		1817	
AZK05701	NLC-E-LLC-SM-N	NAVAJO		12	601000	3988000	6900	2	0	1	2		1756	
AZK05801	NLC-W-LLC-SM-P	NAVAJO		12	595000	3987000	6900	2	0	1	1		1821	
AZK05901	NLC-W-LLC-SM-Q	NAVAJO		12	592000	3988000	6900	2	0	1	1		1784	
AZK06001	NLC-W-LLC-SM-T	NAVAJO		12	591000	3988000	6900	2	0	1	2		1813	
AZK06101	NLC-W-LLC-SM-U	NAVAJO		12	590000	3991000	7000	2	0	1	1		1826	
AZK06201	NLC-W-LLC-SM-V	NAVAJO	DELMUE	12	590500	3992000	6800	2	0	1	3		1782	
AZK06301	NLC-W-LLC-SM-W	NAVAJO		12	590500	3990000	6800	2	0	1	1		1800	
AZK06401	NLC-W-LLC-SM-X	NAVAJO		12	590500	3988000	6800	2	0	1	2	1766	1860	
AZK06601	NLC-S-MLC-LP-O	PUEBLITO	GOBERN	12	631000	3955000	6600	2	0		8	1762	1764	1
AZK06701	NLC-S-ULC-UP-N	NAVAJO	RECENT	12	671000	3941000	7075	2	0	1	5	1898	1901	
AZK06801	NLC-S-ULC-UP-P	NAVAJO		12	673450	3944850	6750	2	0	1	1	1798	1798	
AZK06901	NLC-S-ULC-UP-Q	NAVAJO		12	699000	3929000	7075	2	0	1	3	1923	1923	
AZK07001	NLC-S-ULC-UP-R	NAVAJO	DELMUE	12	679000	3927000	6900	2	0	1	4	1777	1802	
AZK07201	NLC-S-ULC-UP-MISC	NO SITE		12	670000	3940000	6800				2	1900	1917	
AZK08101	AZ-P-7-12 (NNCRMP)	NAVAJO	RECENT	12	658175	3980875	7675	2	0	1	1	1917	1917	
AZK08102	AZ-P-7-25 (NNCRMP)	NAVAJO	DECHEL	12	659625	3982825	7480	2	0	1	1		1814	
AZK08103	AZ-P-7-32 (NNCRMP)	NAVAJO	RECENT	12	660250	3978800	7825	2	0	1	1	1931	1931	
AZK08104	AZ-P-7-34 (NNCRMP)	NAVAJO	RECENT	12	660050	3978050	7850	2	0	1	1	1915	1915	
AZK08105	AZ-P-7-38 (NNCRMP)	NAVAJO	RECENT	12	660525	3980900	7740	2	0	1	1		1905	
AZK08106	AZ-P-7-39 (NNCRMP)	NAVAJO	RECENT	12	660500	3980550	7720	2	0	1	1		1896	
AZK08107	AZ-P-7-42 (NNCRMP)	NAVAJO	DECHEL	12	660650	3980650	7725	2	0	1	1	1858	1858	
AZK08108	AZ-P-7-44 (NNCRMP)	NAVAJO	RECENT	12	660850	3980700	7730	2	0	1	1		1898	
AZK08109	ESCATECH 23-2B	NAVAJO	RECENT	12	658675	3981100	7680	2	0	1	1	1899	1899	
AZK08110	DEFIANCE NAVAJO GRP.	NAVAJO	RECENT	12	660000	3950000	7200	2	0		10	1892	1938	
AZK08111	NF-11-57 (NAV FP)	NAVAJO	RECENT	12	659366	3962317	7730	2	0		1		1866	
AZK08112	NF-11-60 (NAV FP)	NAVAJO	RECENT	12	656536	3963207	7600	2	0	1	1	1870	1870	
AZK08113	NF-11-65 (NAV FP)	NAVAJO	RECENT	12	656829	3963386	7640	2	0		2	1869	1869	
AZK08114	NF-11-99 (NAV FP)	NAVAJO	RECENT	12	652805	3958098	7200	2	0	1	1	1886	1886	
AZK08115	NF-143 (NAV FP)	NAVAJO	RECENT	12	653180	3957680	7390	2	0	1	5	1855	1875	
AZK08116	NF-111 (NAV FP)	NAVAJO	RECENT	12	655110	3956360	7560	2	0	1	6	1908	1914	
AZK08117	NF-73 (NAV FP)	NAVAJO	RECENT	12	660000	3960000	0	2	0	1	4	1871	1889	
AZK08118	NF-11-005 (NAV FP)	NAVAJO	RECENT	12	667000	3951000	7400		0		2	1910	1912	
AZK08119	NF-66 (NAV FP)	NAVAJO	RECENT	12	657720	3952550	7480	2	0	1	2	1941	1941	
AZK08120	NF-61 (NAV FP)	NAVAJO	RECENT	12	655420	3952320	7450	2	0	1	3	1876	1876	1
AZK08121	NF-68 (NAV FP)	NAVAJO	RECENT	12	654200	3952575	7400	2	0	1	2	1911	1913	
AZK08122	NF-115 (NAV FP)	NAVAJO	RECENT	12	654240	3956460	7440	2	0	1	3	1877	1879	1
AZK08123	NF-113 (NAV FP)	NAVAJO	RECENT	12	653240	3956950	7400	2	0	1	3	1891	1891	
AZK08124	NF-98 (NAV FP)	NAVAJO	RECENT	12	654080	3958380	7440	2	0	1	6	1869	1954	1

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AZK08125	NF-106 (NAV FP)	NAVAJO	RECENT	12	649000	3957000	7200	2	0	1	2	1878	1878	
AZK08126	NF-131 (NAV FP)	NAVAJO	RECENT	12	653000	3958000	7400	2	0	1	5	1871	1874	
AZK08127	NF-129 (NAV FP)	NAVAJO	RECENT	12	653760	3957480	7420	2	0	1	2		1952	
AZK08128	NF-141 (NAV FP)	NAVAJO	DECHEL	12	653230	3957700	7390	2	0	1	2	1856	1856	
AZK08129	NF-145 (NAV FP)	NAVAJO	DECHEL	12	653220	3957560	7390	2	0	1	1		1826	
AZK08130	NF-96 (NAV FP)	NAVAJO	RECENT	12	654180	3958400	7440	2	0	1	1	1953	1953	
AZK08131	NF-100 (NAV FP)	NAVAJO	RECENT	12	653650	3958540	0	2	0	1	2	1875	1891	
AZK08132	NF-102 (NAV FP)	NAVAJO	RECENT	12	654100	3958580	7400	2	0	1	2	1874	1874	1
AZK08133	NF-108 (NAV FP)	NAVAJO	DELMUE	12	653880	3958460	7420	2	0	1	1		1735	
AZK08134	NF-123 (NAV FP)	NAVAJO	RECENT	12	653840	3957600	7440	2	0	1	2	1892	1892	
AZK08135	NF-125 (NAV FP)	NAVAJO	DECHEL	12	653800	3957520	7430	2	0	1	2		1830	
AZK08136	NF-133 (NAV FP)	NAVAJO	RECENT	12	653490	3957400	7390	2	0	1	2	1867	1867	
AZK08137	NF-135 (NAV FP)	NAVAJO	DECHEL	12	653530	3957520	7400	2	0	1	1		1842	
AZK08138	NF-139 (NAV FP)	NAVAJO	DECHEL	12	653240	3957620	7390	2	0	1	1		1821	
AZK08139	NFPI-9-12 (NAV FP)	NAVAJO	RECENT	12	647000	3969000	7300	2	0	1	5		1882	1
AZK08140	NFPI-9-14 (NAV FP)	NAVAJO	RECENT	12	646000	3967000	7200	2	0	1	2		1866	
AZK08141	NFPI-9-15 (NAV FP)	NAVAJO	RECENT	12	646000	3966000	7200	2	0	1	2	1883	1883	1
AZK08142	NFPI-9-25 (NAV FP)	NAVAJO	RECENT	12	648000	3963000	0	2	0	1	3	1893	1894	1
AZK08143	NFPI-9-30 (NAV FP)	NAVAJO	RECENT	12	650000	3963000	7200	2	0	1	2		1935	
AZK08144	NFPI-9-32 (NAV FP)	NAVAJO		12	653000	3959000	7200	2	0	1	2		1883	
AZK08145	NFPI-9-48 (NAV FP)	NAVAJO		12	648000	3961000	7200	2	0	1	2	1879	1879	
AZK08146	NFPI-24-60 (NAV FP)	NAVAJO	RECENT	12	651000	3984000	7200	2	0	1	2	1914	1915	
AZK08147	NFPI-24-64A (NAV FP)	NAVAJO	RECENT	12	650000	3984000	7200	2	0	1	2		1935	
AZK08148	NFPI-24-65A (NAV FP)	NAVAJO	RECENT	12	649000	3984000	2400	2	0	1	2		1896	
AZK08149	NFPI-24-15 (NAV FP)	NAVAJO	RECENT	12	647000	3982000	7200	2	0	1	3		1919	
AZK08150	NFPI-24-18 (NAV FP)	NAVAJO	RECENT	12	648000	3982000	7200	2	0	1	3		1930	
AZK08151	NFPI-24-37 (NAV FP)	NAVAJO		12	649000	3982000	7200	2	0	1	2		1870	
AZK08152	NFPI-24-38 (NAV FP)	NAVAJO		12	650000	3980000	7200	2	0	1	3		1864	
AZK08153	NFPI-24-41 (NAV FP)	NAVAJO		12	651000	3979000	7200	2	0	1	1		1909	
AZK08154	NFPI-24-48 (NAV FP)	NAVAJO	RECENT	12	649000	3981000	7200	2	0	1	1		1925	
AZK08155	NFPI-24-59 (NAV FP)	NAVAJO		12	650000	3981000	7200	2	0	1	2		1879	
AZK08156	NFPI-58-39 (NAV FP)	NAVAJO	RECENT	12	693000	3985000	8800	2	0	1	2		1943	
AZK08157	NFPI-58-43 (NAV FP)	NAVAJO	RECENT	12	696000	3979000	8800	2	0	1	1		1910	
AZK08158	NFPI-58-50 (NAV FP)	NAVAJO	RECENT	12	696000	3982000	8800	2	0	1	1		1913	
AZK08159	NFPI-58-57A (NAV FP)	NAVAJO	RECENT	12	695000	3983000	8800	2	0	1	2	1892	1892	1
AZK08160	NFPI-16-22 (NAV FP)	NAVAJO	RECENT	12	642000	3966000	6500	2	0	1	6	1876	1876	1
AZK08161	NFPI-16-24 (NAV FP)	NAVAJO		12	642000	3965000	6500	2	0	1	1		1766	
AZK08162	NFPI-16-34 (NAV FP)	NAVAJO	RECENT	12	641000	3966000	6500	2	0	1	3		1892	
AZK08163	NFPI-58-8H (NAV FP)	NAVAJO	RECENT	12	694000	3981000	8800	2	0	1	2		1947	
AZK08164	NFPI-58-35 (NAV FP)	NAVAJO	RECENT	12	696000	3981000	8800	2	0	1	2		1924	
AZK08165	NFPI-58-37 (NAV FP)	NAVAJO	RECENT	12	697000	3981000	8800	2	0	1	2		1913	
AZK08166	NFPI-16-6 (NAV FP)	NAVAJO	RECENT	12	640000	3963000	6500	2	0	1	4	1894	1897	
AZK08167	NFPI-16-5A (NAV FP)	NAVAJO	RECENT	12	643000	3961000	6500	2	0	1	1	1934	1934	
AZK08168	NFPI-16-9 (NAV FP)	NAVAJO	RECENT	12	641000	3964000	6600	2	0	1	2	1965	1965	
AZK08169	NFPI-16-14 (NAV FP)	NAVAJO	RECENT	12	642000	3963000	6500	2	0	1	3	1885	1887	
AZK08170	NFPI-16-19 (NAV FP)	NAVAJO	DECHEL	12	641000	3963000	6500	2	0	1	8	1856	1856	
AZK08171	NFPI-62-005 (NAV FP)	NAVAJO	RECENT	12	686000	3965000	7900	2	0	1	2	1903	1903	1
AZK08172	NFPI-62-112 (NAV FP)	NAVAJO	RECENT	12	685000	3965000	7900	2	0	1	3	1939	1946	
AZK08173	NFPI-10-001 (NAV FP)	NAVAJO	RECENT	12	661000	3951000	7100	2	0	1	5	1906	1906	1
AZK08174	NFPI-10-003 (NAV FP)	NAVAJO	RECENT	12	656000	3956000	7200	2	0	1	2	1909	1909	1
AZK08175	NFPI-10-004 (NAV FP)	NAVAJO	RECENT	12	655000	3954000	7200	2	0	1	2	1926	1956	

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AZK08176	NFPI-10-005 (NAV FP)	NAVAJO	RECENT	12	654000	3955000	7200	2	0	1	5	1920	1921	
AZK08177	NFPI-10-008 (NAV FP)	NAVAJO		12	655000	3955000	7200	2	0	1	1		1862	
AZK08178	NFPI-10-011 (NAV FP)	NAVAJO		12	658000	3958000	7200	2	0	1	2		1709	
AZK08179	NFPI-10-012 (NAV FP)	NAVAJO		12	659000	3957000	7200	2	0	1	1		1907	
AZK08180	NFPI-10-015 (NAV FP)	NAVAJO		12	658000	3956000	7300	2	0	1	1		1891	
AZK08181	AZ-P-7-2 (NNCRMP)	NAVAJO	RECENT	12	658200	3977500	7810	2	0	1	2	1925	1925	
AZK08182	NFPI-61 (NAV FP)	NAVAJO		12	688000	3971000	8000	2	0	1	4	1869	1958	
AZK08183	NFPI-62 (NAV FP)	NAVAJO	RECENT	12	684000	3962000	8200	2	0	1	9	1906	1949	
AZK08185	NFPI-11 (NAV FP)	NAVAJO	RECENT	12	670000	3955000	7200	2	0	1	11	1886	1955	1
AZK08186	NFPI-60 (NAV FP)	NAVAJO	RECENT	12	690000	3980000	8500	2	0	1	6		1957	
AZK08187	BIA-C6 (NAV FP)	NAVAJO	RECENT	12	665000	3945000	6900	2	0	1	5	1914	1924	
AZK08188	NFPI-C7 (NAV FP)	NAVAJO	RECENT	12	645000	3945000	6500	2	0	1	3		1926	
AZK08189	BIA-C15-17 (NAV FP)	NAVAJO	RECENT	12	655000	3971000	7200	2	0	1	2		1943	
AZK08190	BIA-C15 (NAV FP)	NAVAJO	RECENT	12	669000	3980000	7000	2	0	1	9	1909	1924	
AZK08191	BIA-TB-85 (NAV FP)	NAVAJO	RECENT	12	700000	3900000	7000	2	0	1	2	1906	1906	
AZK08192	BIA-C17 (NAV FP)	NAVAJO	RECENT	12	671000	3980000	7200	2	0	1	15	1905	1941	
AZK08193	BIA-C49 (NAV FP)	NAVAJO	RECENT	12	700000	3900000	7000	2	0	1	12	1869	1929	
AZK08194	BIA-C63 (NAV FP)	NAVAJO	RECENT	12	700000	3900000	7000	2	0	1	4		1882	
AZ003301	NLC-S-MLC-CD-F	NAVAJO	RECENT	12	485000	3870000	6500	2	0	1	3	1869	1890	
AZ003401	NLC-S-MLC-CD-G	NAVAJO	RECENT	12	480000	3870000	6500	2	0	1	1		1842	
AZP02001	NLC-S-MLC-CH-H	NAVAJO	RECENT	12	520000	3840000	5900	2	0	1	2	1928	1928	
AZV03901	AZ P:14:8 (WICKIUP)	APACHE		12	536500	3769500	5850	2	0	1	4	1989	1989	1
AZV03902	AZ P:14:20/21	APACHE		12	553300	3789500	5800	2	0	1	4		1916	1
AZV03903	GFS 89-19	APACHE		12	540000	3765000	5800	2	0	1	7	1986	1989	1
AZV03904	GFS 89-20	APACHE		12	568500	3762000	0	2	0	1	1	1957	1957	
AZV03905	MESCAL PIT	APACHE		12	565500	3763000	5500	1	0	1	1	1989	1989	
AZV03906	ROCK RING	APACHE		12	553250	3789400	5800		0		1	1989	1989	
COI00101	RIFLE HOGBACK WIKIUP	Ute	RECENT	13	268000	4383000	6000	2	0	1	1		1813	
CO000601	MONITOR MESA	Ute	RECENT	12	733000	4267000	7500	2	0	1	2		1763	
CO000602	MONITOR MESA-SMN41	Ute	RECENT	12	733010	4267000	7500	2	0	1	1		1741	
CO000701	CO 5ME469	Ute	RECENT	12	719440	4279000	7830	2	0	1	1		1750	
COV02202	CUT THROAT CASTLE	Ute		12	678500	4145740	5800	2	0	1	2		1710	
COV12801	NLC-N-LSJ-MEC-A	Navajo		12	727000	4124000	7400	2	0	1	1	1931	1931	
COV13101	NLC-N-LSJ-MEC-T	Navajo		12	704000	4147000	6600	2	0	1	2	1950	1950	
COV13301	NLC-N-MSJ-MR-B	Navajo		12	718000	4119000	7000	2	0	1	8	1872	1889	
COV13401	NLC-N-MSJ-MR-C	Navajo		12	713000	4100000	6300	2	0	1	2	1892	1892	
COV13501	NLC-N-MSJ-MR-D	Navajo		12	714000	4100000	6300	2	0	1	3	1873	1875	
COV13601	NLC-N-MSJ-MR-E	Navajo		12	715000	4100000	6300	2	0	1	3		1879	
COV13701	NLC-N-MSJ-MR-G	Navajo		12	716000	4105000	5700	2	0	1	1		1858	
COV13801	NLC-N-MSJ-MR-H	Navajo		12	721000	4117000	6700	2	0	1	6		1872	
COV14101	NLC-N-MSJ-MR-K	Navajo		12	728000	4111000	6400	2	0	1	3		1887	
COV14201	NLC-N-MSJ-MR-M	Navajo		12	733000	4125000	7800	2	0	1	6	1898	1899	
COV14301	NLC-N-MSJ-MR-N	Navajo		12	729000	4132000	8000	2	0	1	1		1907	
COV24501	CO 5LP1719	Ute		12	763000	4109000	6600	2	0	1	3	1985	1985	
COV24601	MESA VERDE 3841	Navajo		12	725945	4128800	7000	2	0	1	9	1925	1925	1
COW01502	TALUS VILLAGE	Ute		13	247540	4141500	6900		0	1	5		1559	
COW05502	IGNACIO 7:102	Ute		13	246700	4141800	7200		0	1	2		1627	
COW05801	NLC-N-SJ-UA-G	Navajo		13	240000	4115000	6700	2	0	1	3	1909	1909	
COW07501	CO 5LP2907	Ute?		13	240000	4110000	7000	2	0	1	1		1480	
NMA00901	SITE H-27-39	NAVAJO	RECENT	12	275000	4061000	6000	2	0	1	2		1929	
NMA00902	SITE H-26-66	NAVAJO	RECENT	12	275000	4061000	6000	2	0	1	1	1949	1949	

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NMA01801	NLC-N-MSJ-BD-B	NAVAJO		12 727000	4085000	5700	2	0	1	3	1897	1897	
NMA02001	NLC-N-MSJ-BD-J	NAVAJO	RECENT	12 749000	4092000	6000	2	0	1	3		1916	1
NMA02101	NLC-N-MSJ-BD-K	NAVAJO	RECENT	12 748000	4091000	5500	2	0	1	3		1916	1
NMA03001	LA 61838	NAVAJO	DINETA	12 754120	4097000	6060	2	0		4		1560	
NMB00205	SJC-186	NAVAJO	RECENT	13 265500	4058900	6840	2	0	1	3		1289	
NMB00242	LA 79280	NAVAJO	GOBERN	13 249340	4085200	6530	1	0	1	3		1514	
NMB04702	LA 4297	NAVAJO	GOBERN	13 268500	4086500	6040	2	0	1	1		1504	
NMB05001	NLC-E-GS-GC-A	NAVAJO	RECENT	12 239500	4035000	6160	2	0	1	1		1903	
NMB05101	LA 4331	PUEBLITO	GOBERN	13 271000	4079500	5800	2	0	1	1		1700	
NMB05901	NA 1739	PUEBLITO	GOBERN	13 285000	4010000	6500	2	0	1	1	1741	1741	
NMB05902	NA 1740	PUEBLITO	GOBERN	13 285000	4010000	6500	2	0	1	1		1741	
NMB05903	NA 1741	PUEBLITO	GOBERN	13 285000	4010000	6500	2	0	1	1	1742	1742	
NMB05904	NA 1743	PUEBLITO	GOBERN	13 285000	4010000	6500	2	0	1	1		1727	
NMB06201	GROTTO CAVE			13 255000	4095000	6500		S		8	1526	1548	
NMB06501	LA 1684	PUEBLITO	GOBERN	13 293100	4064740	6585	2	0	1	4		1733	
NMB06601	LA 1868	PUEBLITO	GOBERN	13 285940	4063620	6530	2	0		1		1733	
NMB06701	OLD FORT RUIN	PUEBLITO	GOBERN	13 274200	4063120	6700	2	0	3	53	1721	1753	5
NMB06702	OLD FORT RUIN	NAVAJO	GOBERN	13 274200	4063120	6700	2	0	1	12		1748	
NMB06801	THREE CORN RUIN	PUEBLITO	GOBERN	13 274450	4062400	6745	2	0	1	63	1634	1745	5
NMB06802	THREE CORN RUIN	NAVAJO	GOBERN	13 274460	4062400	6745	2	0	1	3	1707	1715	
NMB06901	LA 1872	PUEBLITO	GOBERN	13 276350	4062750	6460	2	0	1	16	1727	1727	1
NMB07001	FRANCES CANYON RUIN	PUEBLITO	GOBERN	13 276825	4071600	6810	2	0	1	49	1710	1745	7
NMB07101	LA 2136	PUEBLITO	GOBERN	13 286440	4059420	6710	2	0		11	1732	1734	1
NMB07201	LA 2137	PUEBLITO	GOBERN	13 290000	4063000	6600	2	0		4	1726	1750	1
NMB07301	LA 2138	PUEBLITO	GOBERN	13 294220	4065880	7440	2	0	1	14	1713	1714	1
NMB07401	LA 1687	PUEBLITO	GOBERN	13 291000	4059000	6700		0		6		1744	
NMB07601	LARGO CANYON UNKNOWN	PUEBLITO	GOBERN	13 270000	4020000	6500		0		12	1747	1768	
NMB07602	NLC-E-CL-UL-X	NAVAJO	CABEZO	13 267000	410000	6800	2	0	1	2		1814	
NMB07801	LA 2297	PUEBLITO	GOBERN	13 288500	4061500	6700	2	0		9	1715	1726	
NMB08001	LA 2305	PUEBLITO	GOBERN	13 284000	4062000	6400	2	0		3	1718	1722	
NMB08101	TAPACITO RUIN	PUEBLITO	GOBERN	13 275650	4036760	6440	2	0	2	22	1694	1694	1
NMB08102	TAPACITO RUIN	NAVAJO	GOBERN	13 275655	4036750	6440	2	0	1	9	1690	1690	1
NMB08701	GOBERNADOR UNKNOWN	PUEBLITO	GOBERN	13 268000	4043000	7200		0		37	1713	1752	
NMB09001	LA 2127	NAVAJO	RECENT	13 283585	4062890	6360	1	0	1	2		1859	
NMB09702	BG 82	NAVAJO	GOBERN	13 305000	4038000	7200				1		1656	
NMB09802	LA 8948	NAVAJO	GOBERN	13 286050	4052500	7100	2	0	1	1		1695	
NMB10001	BG 83	NAVAJO		13 305005	4030000	7200	2	S		3		1622	
NMB10801	NLC-N-USJ-GLJ-B	NAVAJO	GOBERN	13 286000	4065000	6700	2	0	1	1		1743	
NMB10902	NLC-N-USJ-GLJ-C	NAVAJO	GOBERN	13 286000	4060000	6700	2	0	1	5		1747	
NMB11101	NLC-N-USJ-GLJ-E	PUEBLITO	GOBERN	13 281000	4062000	6400	2	0	1	4		1718	
NMB11301	LA 55834	PUEBLITO	GOBERN	13 294050	4064160	6850	2	0	1	2		1713	
NMB11601	NLC-N-USJ-GLJ-CC	NAVAJO	GOBERN	13 283000	4076000	6200	2	0	1	1		1791	
NMB11701	NLC-N-USJ-GLJ-EE	NAVAJO	GOBERN	13 283000	4079000	6100	2	0	1	1		1734	
NMB11801	NLC-N-USJ-GLJ-GG	NAVAJO	GOBERN	13 286000	4067000	6600	2	0	1	1		1684	
NMB12001	NLC-N-USJ-GLJ-LL	NAVAJO	GOBERN	13 296000	4068000	7300	2	0	1	2		1744	
NMB12201	GARCIA CANYON	PUEBLITO	GOBERN	13 274420	4075000	6260	2	0	2	27	1701	1722	2
NMB12301	NLC-N-USJ-GLJ-QQ	PUEBLITO	GOBERN	13 276000	4066000	6500	2	0	1	3	1703	1725	
NMB12501	NLC-N-SJ-LA-D	NAVAJO	GOBERN	13 246000	4079000	6600	2	0	1	1		1771	
NMB12601	NLC-N-SJ-LA-E	NAVAJO	GOBERN	13 257000	4085000	6400	2	0	1	1		1745	
NMB12701	NLC-N-SJ-LA-F	NAVAJO	RECENT	13 260000	4087000	6700	2	0	1	1		1885	
NMB13401	NLC-E-CL-LL-K	NAVAJO	GOBERN	13 255500	4043000	6600	2	0	1	7	1675	1729	

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NMB13501	PORK CHOP PASS SITE	PUEBLITO	GOBERN	13	268860	4041170	6680	2	0	1	26	1741	1747	2
NMB13701	NLC-E-C-UC-J	NAVAJO	CABEZO	12	275000	3990000	6900	2	0	1	4	1849	1850	
NMB13801	NLC-E-UC-C-O	NAVAJO	CABEZO	12	290000	3990000	7000	2	0	1	2	1840	1840	
NMB14201	NLC-E-CL-UL-A	NAVAJO	GOBERN	13	280000	4010000	6500	2	0	1	1		1544	
NMB14301	NLC-E-CL-UL-B	NAVAJO	RECENT	13	278000	4017000	6800	2	0	1	1		1844	
NMB14401	NLC-E-CL-UL-F	PUEBLITO	GOBERN	13	278000	4018000	6800	2	0	1	1		1705	
NMB14601	KIN YAZHI	PUEBLITO	GOBERN	13	278680	4025620	6800	2	0	1	10	1739	1742	1
NMB14801	NLC-E-CL-UL-K	PUEBLITO	GOBERN	13	275610	4017760	6800	2	0	1	14	1725	1745	1
NMB14901	CANYON VIEW RUIN	PUEBLITO	GOBERN	13	278960	4024080	6620	2	0	1	20		1734	2
NMB14902	CANYON VIEW RUIN	NAVAJO	GOBERN	13	278965	4024085	6610	2	0	1	1		1721	
NMB15001	NLC-E-CL-UL-M	NAVAJO	GOBERN	13	305000	4040000	7000	2	0	1	1		1723	
NMB15201	NLC-E-CL-UL-O	NAVAJO	RECENT	13	277000	4020000	6800	2	0	1	3		1897	
NMB15401	TRUBY'S TOWER	PUEBLITO	GOBERN	13	276160	4036760	6420	2	0	1	26	1743	1753	1
NMB15501	POINTED BUTTE RUIN	NAVAJO	GOBERN	13	282740	4033060	6880	2	0	1	11	1709	1748	
NMB15601	FOOTHOLD RUIN	PUEBLITO	GOBERN	13	270060	4035280	6340	2	0	1	26	1720	1740	1
NMB15602	FOOTHOLD RUIN	NAVAJO	GOBERN	13	270065	4035285	6340	2	0	1	4		1710	
NMB15701	OVERLOOK SITE	PUEBLITO	GOBERN	13	270220	4035600	6810	2	0	1	22	1725	1728	1
NMB15702	OVERLOOK SITE	NAVAJO	GOBERN	13	270225	4035605	6810	2	0	1	5	1727	1728	
NMB15801	NLC-E-CL-UL-U	PUEBLITO	GOBERN	13	270490	4037140	6265	2	0	1	15		1731	
NMB15802	NLC-E-CL-UL-U	NAVAJO	GOBERN	13	270495	4037145	6265	2	0	1	1		1699	
NMB15901	NLC-E-CL-UL-V	PUEBLITO	GOBERN	13	299000	4030000	7000	2	0	1	3		1730	
NMB16002	NLC-E-CL-UL-W	NAVAJO	CABEZO	13	270000	420000	7000	2	0	1	12		1780	
NMB16102	NLC-E-CL-UL-Y	NAVAJO	GOBERN	13	285000	4040000	6600	2	0	1	1		1731	
NMB16502	NLC-E-CL-UL-EE	NAVAJO	CABEZO	13	303000	4040000	7000	2	0	1	1		1800	
NMB16602	NLC-E-CL-UL-FF	NAVAJO	CABEZO	13	300000	4040000	7000	2	0	1	1		1770	
NMB16702	NLC-E-CL-UL-GG	NAVAJO	RECENT	13	301000	4037000	6500	2	0		4	1854	1881	
NMB16802	NLC-E-CL-UL-HH	NAVAJO	RECENT	13	306000	4041000	7000	2	0	1	3	1856	1888	
NMB16902	NLC-E-CL-UL-II	NAVAJO	RECENT	13	269000	4013000	6500	2	0	1	22	1885	1925	2
NMB17202	NLC-E-CL-UL-MM	NAVAJO	RECENT	13	291000	4040000	7000	2	0	1	4	1894	1913	
NMB17801	ADOLPHO CANYON SITE	PUEBLITO	GOBERN	13	271080	4052500	6580	2	0	1	1		1747	
NMB17802	ADOLPHO CANYON SITE	NAVAJO	GOBERN	13	271075	4052505	6580	2	0	1	6		1751	
NMB17803	RIDGE TOP HOUSE	PUEBLITO	GOBERN	13	268555	4046880	6720	2	0	1	6		1721	
NMB17804	SHAFT HOUSE	PUEBLITO		13	267630	4048660	6400	2	0	2	4		1712	
NMB17901	LA 52703	NAVAJO	RECENT	13	242231	3988825	6470	2	0	1	3		1912	
NMB17902	LA 52700	NAVAJO	RECENT	13	242093	3988607	6250	2	0		14		1947	
NMB17903	NM 29SJ2606	NAVAJO	CABEZO	13	243761	3987914	6550	2	0		6		1793	
NMB17904	LA 52752	NAVAJO	RECENT	13	242959	3987748	6590		0		1		1882	
NMB17905	LA 52709	NAVAJO	RECENT	13	242336	3989158	6440		0		1		1950	
NMB17906	LA 52736	NAVAJO	RECENT	13	241731	3989114	6470		0		1		1911	
NMB17907	LA 52721	NAVAJO		13	242082	3988806	6500		0		1		1844	
NMB17908	LA 52705	NAVAJO	RECENT	13	242258	3989024	6490	2	0		3	1933	1939	
NMB17909	LA 52699	NAVAJO	RECENT	13	241983	3988494	6450	2	0	1	1		1878	
NMB17910	LA 52615	NAVAJO	RECENT	13	242465	3988374	6470	2	0		2		1938	
NMB17911	LA 52685	NAVAJO	RECENT	13	242376	2988448	6510	2	0	1	1		1909	
NMB17912	LA 52704	NAVAJO		13	242227	3988915	6470		0		1		1869	
NMB17913	LA 53391	NAVAJO	RECENT	13	242216	3987456	6770	2	0		2		1962	
NMB17914	LA 53353	NAVAJO	RECENT	13	242382	3987605	6690	2	0	1	2		1921	
NMB17915	LA 53026	NAVAJO	RECENT	13	243934	3985796	6800	2	0	1	2	1916	1916	
NMB17916	LA 53031	NAVAJO	RECENT	13	242827	3986007	6800	2	0	1	1		1888	
NMB17917	LA 53082	NAVAJO	RECENT	13	242744	3987376	6760	2	0	1	3		1951	
NMB17918	LA 53088	NAVAJO	RECENT	13	243308	3987579	6680	2	0	1	5		1933	

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NMB17919	LA 52883	NAVAJO	RECENT	13	240346	3988811	6690	2	0	1	1		1857	
NMB17920	LA 52885	NAVAJO	RECENT	13	240504	3988883	6640	2	0	1	1		1925	
NMB17921	LA 52888	NAVAJO	RECENT	13	240563	3988770	6620	2	0	1	1		1884	
NMB17922	LA 52890	NAVAJO	RECENT	13	240433	3989131	6560		0		2	1929	1929	
NMB17923	LA 52909	NAVAJO	RECENT	13	241630	3988200	6610		0		3	1949	1951	
NMB17924	LA 52904	NAVAJO	RECENT	13	241868	3988210	6620		0		2		1951	
NMB17925	LA 52910	NAVAJO	RECENT	13	241709	3988704	6440		0		1		1933	
NMB17926	LA 52913	NAVAJO	RECENT	13	240303	3989259	6480	2	0	1	1		1922	
NMB17927	LA 52917	NAVAJO	RECENT	13	240722	3989100	6520	2	0	1	7	1924	1924	
NMB17928	LA 52919	NAVAJO	RECENT	13	240674	3988827	6500	2	0	1	2		1949	
NMB17929	LA 52986	NAVAJO	RECENT	13	241827	3987886	6710	2	0	1	5	1949	1950	
NMB17930	LA 52984	NAVAJO	RECENT	13	241320	3988083	6680		0		2		1887	
NMB17931	LA 52985	NAVAJO	RECENT	13	241626	3988066	6700		0		2		1938	
NMB17932	LA 52992	NAVAJO	RECENT	13	240946	3988180	6680	2	0	1	7		1950	
NMB17933	LA 52950	NAVAJO	RECENT	13	241328	3988448	6520	2	0	1	5		1941	
NMB17934	LA 52921	NAVAJO	RECENT	13	240819	3989059	6460	2	0	1	8		1924	
NMB17935	LA 41609	NAVAJO	RECENT	13	240750	3989360	6440		0		2		1900	
NMB17936	LA 52922	NAVAJO	RECENT	13	241420	3988144	6610		0		1		1918	
NMB17937	LA 52930	NAVAJO	RECENT	13	241538	3988438	6580		0		1		1897	
NMB17938	LA 52931	NAVAJO	RECENT	13	240904	3989176	6420	2	0	1	1		1911	
NMB17939	LA 52932	NAVAJO		13	240892	3989308	6440	2	0	1	4		1812	
NMB17940	LA 52975	NAVAJO		13	240826	2988730	6580		0		1		1846	
NMB17941	LA 52957	NAVAJO	RECENT	13	241158	3988492	5660	2	0	1	1		1922	
NMB17942	LA 52959	NAVAJO	RECENT	13	241109	3988312	6640	2	0	1	1		1926	
NMB17943	LA 52962	NAVAJO	RECENT	13	241085	3988767	6500	2	0	1	2	1868	1875	
NMB17944	LA 52964	NAVAJO		13	241238	3989035	6440		0		1		1823	
NMB17945	LA 52965	NAVAJO		13	241209	3989260	6425	2	0	1	1		1795	
NMB17946	LA 52975	NAVAJO	RECENT	13	240836	3988730	6580	2	0	1	2		1898	
NMB17947	LA 52989	NAVAJO	RECENT	13	241047	2988044	6740	2	0	1	1		1942	
NMB17948	CHACO W (NPS)	NAVAJO	RECENT	13	244660	3986160	6640	2	0	1	1		1890	
NMB17949	CHACO T (NPS)	NAVAJO		13	244810	2986460	6420	2	0	1	3		1921	
NMB17950	CHACO D9 (NPS)	NAVAJO		13	255850	3982400	6540	2	0	1	4		1852	
NMB17951	CHACO E5 (NPS)	NAVAJO		13	255920	3982960	6740	2	0	1	4		1769	
NMB17952	CHACO E6 (NPS)	NAVAJO		13	256100	3982960	6680	2	0	1	4		1784	
NMB17953	CHACO E7 (NPS)	NAVAJO	CABEZO	13	256350	3982240	6740	2	0	1	4		1778	
NMB21401	SIMON CANYON	PUEBLITO	GOBERN	13	262620	4079700	6010	2	0	1	4	1691	1754	1
NMB21501	LA 71596	NAVAJO	GOBERN	13	277320	4071410	6645	2	0	1	3		1589	
NMB21601	HOODED FIREPLACE	PUEBLITO	GOBERN	13	273550	4038600	6560	2	0	1	9	1723	1723	1
NMB21701	LARGO SCHOOL RUIN	PUEBLITO	GOBERN	13	273400	4039620	6420	2	0	1	6	1736	1737	1
NMB21801	HADLOCK'S CROW CANYO	PUEBLITO	GOBERN	13	264850	4047260	6040	2	0	1	3		1661	
NMB21902	SPLIT ROCK RUIN	NAVAJO	GOBERN	13	275755	4037645	6520	2	0	1	2		1665	
NMB22001	BOULDER FORTRESS	PUEBLITO	GOBERN	13	270080	4047310	6630	2	0	1	8	1723	1728	
NMB22002	BOULDER FORTRESS	NAVAJO	GOBERN	13	270085	4047315	6630	2	0	1	1		1709	
NMB22101	CROW CANYON RUIN	PUEBLITO	GOBERN	13	266260	4047550	6510	2	0	1	7		1723	
NMB22202	LA 80321	NAVAJO		13	240000	4090000	6670	2	0	1	7		1760	
NMB22301	LA 78481	NAVAJO		13	267670	4073380	6280	2	0		1		1218	
NMB22302	LA 79384	NAVAJO		13	248210	4092120	659	2	0		1		1258	
NMB22303	LA 81172	NAVAJO	GOBERN	13	240000	4090000	6600	2	0	1	3	1627	1762	
NMB22401	LA 80854	NAVAJO		13	250000	4080000	6500	2	0		2		1275	
NMB24601	LA 71263	NAVAJO		13	299615	4028080	6950	2	0	1	14		1571	
NMB24701	DELGADITO RUIN	PUEBLITO	GOBERN	13	270885	4060720	6190	2	0	1	5	1713	1717	

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NMB24801	WOLAJINI RUIN	PUEBLITO	GOBERN	13	295350	4050250	6810	2	0	2	15	1711	1712	1
NMB25201	LA 16209	NAVAJO	GOBERN	13	259495	4090800	6540	2	0	1	23		1621	
NMB25401	LA 72747	NAVAJO	GOBERN	13	257040	4082260	6500	2	0	1	32	1615	1622	1
NMB25501	LA 72767	NAVAJO	GOBERN	13	261820	4078720	6250	2	0	1	11	1677	1679	1
NMB25601	LA 72766	NAVAJO	GOBERN	13	261880	4078620	6250	2	0	1	1		1621	
NMB26301	LA 79290	NAVAJO	GOBERN	13	250400	4085520	6300	2	0	1	8		1526	
NMB26401	LA 79462	NAVAJO	GOBERN	13	258680	4085980	6450	2	0	1	23		1770	
NMB26601	LA 82984	NAVAJO	GOBERN	13	255990	4079360	5800	2	0	1	2		1568	
NMB26901	LA 74243	NAVAJO	DINETA	13	258800	4079300	6340	2	0	1	2		1580	
NMB27301	LA 68953	NAVAJO	GOBERN	13	261880	4080090	6240	2	0	1	2		1654	
NMB27401	LA 72765	NAVAJO	GOBERN	13	262020	4078600	6240	2	0	1	2		1647	
NMB27501	LA 83529	NAVAJO		13	273000	4069840	6700	2	0	2	6		1748	
NMB27701	LA 100353	NAVAJO	DINETA	13	253920	4092400	6720	2	0	1	2		1580	
NMB27801	LA 100354	NAVAJO	DINETA	13	293950	4092420	6820	2	0	1	4		1580	
NMB27901	DEER HOUSE	PUEBLITO	GOBERN	13	269410	4021730	6810	2	0	2	7		1739	
NMB28001	TOWER STANDING GOD	PUEBLITO	GOBERN	13	271310	4019100	6930	2	0	2	5		1722	
NMB28101	STAR ROCK REFUGE	PUEBLITO	GOBERN	13	259850	4050405	6600	2	0	2	1		1708	
NMB28201	BUFFALO MASK	PUEBLITO	GOBERN	13	262280	4061300	5720	2	S	2	13	1673	1692	1
NMB28301	HIDDEN HOUSE	PUEBLITO	GOBERN	13	274330	4063850	6550	2	0	2	16	1743	1754	1
NMB28302	HIDDEN HOUSE	NAVAJO	GOBERN	13	274325	4063855	6545	2	0	1	6	1746	1751	1
NMB28401	HANGING POT RUIN	NAVAJO	GOBERN	13	267680	4010930	7390	2	0	1	2		1747	
NMB28402	HANGING POT RUIN	PUEBLITO	GOBERN	13	267680	4010930	7390	2	0	1	2	1746	1751	1
NMC03101	SITE AR-4	NAVAJO	GOBERN	13	371000	4014000	6300	1	0	3	4		1760	
NMC03102	SITE AR-33	NAVAJO	CABEZO	13	371100	4014000	6300	2	0	1	2		1850	
NMC03103	SITE AR-132	TEWA	RECENT	13	371200	4014000	6300	2	0	1	1	1860	1860	
NMC03104	SITE AR-513	TEWA	P5	13	371000	4014000	6300				1		1887	
NMC04001	LA 12065	JEMEZ	RECENT	13	334926	4034105	7600	2	S	1	2		1667	
NMD01302	PICURIS PUEBLO	TEWA	RECENT	13	436461	4006371	7360	2	0	3	13	1578	1920	1
NMD01801	TVSS 64	APACHE	RECENT	13	449900	4013450	7680	2	0		5	1862	1862	1
NMG01301	SITE K3:260 (ZAP)	ZUNI		12	695750	3885000	6330	1	0	1	8	1756	1758	
NMG01302	SITE K3:261 (ZAP)	ZUNI		12	695750	3885000	6330	1	0	1	5		1571	
NMG01303	LA 64689 NUTRIA MINE	ZUNI	RECENT	12	713000	3902000	6720	1	0	1	4		1896	
NMG01304	LOWER PESCADO FARM	ZUNI	RECENT	12	719000	3888000	6750	2	0	1	8		1931	
NMG01305	LOWER NUTRIA	ZUNI	RECENT	12	719000	3903000	6760	2	0	1	38		1931	
NMG01501	PINEDALE AREA	NAVAJO		12	732000	3942000	7500	2	0	1	3		1854	
NMG03001	NLC-S-ULC-UP-B	NAVAJO		12	711000	3925000	7200	2	0	1	1		1866	
NMG03101	NLC-S-ULC-UP-C	NAVAJO	RECENT	12	711000	3925500	7100	2	0	1	4	1918	1918	
NMG03301	NLC-S-ULC-UP-E	NAVAJO	RECENT	12	710900	3024000	7000	2	0	1	2	1886	1886	
NMG03502	NLC-S-ULC-UP-T	NAVAJO	CABEZO	12	687000	3895000	6890	2	0	1	5		1856	1
NMG03602	NLC-S-ULC-UP-U	NAVAJO	CABEZO	12	687000	3896000	6900	2	0	1	4		1857	
NMG03801	NLC-S-ULC-ZR-B	NAVAJO		12	720000	3881000	7000	2	0	1	1	1837	1837	
NMG04001	NLC-S-ULC-ZR-F	NAVAJO	RECENT	12	722000	3888000	7000	2	0	1	4	1908	1909	
NMG04101	NLC-S-ULC-ZR-G	NAVAJO	RECENT	12	721000	3880000	7000	2	0	1	2		1892	
NMG04201	NLC-S-ULC-ZR-H	NAVAJO	RECENT	12	720000	3880000	7000	2	0	1	2	1909	1909	
NMG04301	NLC-S-ULC-UP-AA	NAVAJO	GOBERN	12	740000	3940000	7000	2	0	1	1		1755	
NMG04601	NLC-S-ULC-UP-JJ	NAVAJO	CABEZO	12	744000	3941000	7200	2	0	1	3		1802	
NMG04901	NLC-S-ULC-ZR-DD	NAVAJO	CABEZO	12	700000	3890000	6500	2	0	1	5		1857	
NMG05301	NLC-E-RP-USJ-B	NAVAJO	RECENT	12	765000	3918000	7000	2	0	1	11	1925	1932	1
NMG05401	NLC-E-RP-USJ-D	NAVAJO	RECENT	12	765000	3925500	6850	2	0	1	1		1892	
NMG05501	NLC-E-RP-USJ-E	NAVAJO	RECENT	12	765500	3925000	6850	2	0	1	8	1888	1898	
NMG05701	NLC-E-RP-USJ-G	NAVAJO	RECENT	12	765000	3925000	6880	2	0	1	10	1897	1912	



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NMG05901	NLC-S-RP-USJ-I	NAVAJO	RECENT	12	765000	3915000	7200	2	0	1	2	1907	1908	
NMG06001	NLC-E-RP-USJ-M	NAVAJO	RECENT	12	765000	3905500	7830	2	0	1	4	1931	1935	
NMG06101	NLC-E-RP-USJ-O	NAVAJO	RECENT	12	765000	3905000	7850	2	0	1	1		1897	
NMG06301	NLC-E-RP-USJ-K	NAVAJO	RECENT	13	235000	3895000	7300	2	0	1	1		1940	
NMG06401	NLC-S-ULC-ZR-EE	NAVAJO	CABEZO	12	740000	3885000	6800	2	0	1	2	1812	1818	
NMG06901	NLC-S-ULC-UP-LL	NAVAJO	GOBERN	12	735000	3943000	6880	2	0	1	14	1755	1764	1
NMG07001	NLC-S-ULC-UP-MM	NAVAJO	GOBERN	12	735500	3943000	6870	2	0	1	4	1721	1762	
NMG08801	ZUNI PUEBLO	ZUNI	RECENT	12	696000	3882000	6330	2	0	1	796	1695	1979	
NMG08901	SITE PM 1, HOGAN	NAVAJO	RECENT	12	678000	3945000	7020	2	0	1	2		1945	
NMG08902	SITE PM 7, CORRAL	NAVAJO		12	680700	3945000	6900	2	0	1	1		1938	
NMG08903	SITE PM 26, HOGAN	NAVAJO		12	686000	3948000	7000	2	0	1	1		1855	
NMG08904	SITE PM 30, HOGAN	NAVAJO		12	687000	3939000	6900	2	0	1	1		1868	
NMG08905	SITE NL-143	NAVAJO		12	690000	3940000	6500	1	S		2		1869	
NMG08906	SITE NL-33	NAVAJO	RECENT	12	689000	3939000	6500	2	0	1	2		1924	
NMG08907	SITE NL-35	NAVAJO		12	688000	3939000	6500	2	0	1	2		1869	
NMG08908	SITE NL-36	NAVAJO		12	687000	3939000	6500		0		1	1943	1943	
NMG08909	SITE NL-61	NAVAJO		12	686000	3939000	6500	2	0	1	2		1885	
NMG08910	SITE NL-114	NAVAJO		12	685000	3939000	6500	2	0	1	1		1852	
NMG08911	SITE NL-138	NAVAJO		12	691000	3938000	6500	2	0	1	1		1791	
NMG08912	SITE NL-158	NAVAJO		12	690000	3938000	6500	2	0	1	2		1936	
NMG08913	SITE NL-177	NAVAJO		12	689000	3938000	6500	2	0	1	1		1896	
NMG08914	SITE NL-183	NAVAJO		12	688000	3938000	6500	2	0	1	2		1898	
NMG08915	SITE NL-184	NAVAJO		12	687000	3938000	6500	2	0	1	3	1934	1934	
NMG08916	SITE NL-203	NAVAJO		12	686000	3938000	6500	2	0	1	1		1870	
NMG08917	SITE NL-205	NAVAJO		12	685000	3938000	6500	2	0	1	4		1898	
NMG08918	SITE NL-210	NAVAJO	RECENT	12	695000	3936000	6500	2	0	1	2	1911	1932	
NMG08919	SITE NL-220	NAVAJO	RECENT	12	694000	3936000	6500	2	0	1	1		1948	
NMG08920	SITE NL-229	NAVAJO		12	693000	3936000	6500	2	0	1	1		1840	
NMG08921	SITE NL-232	NAVAJO	RECENT	12	692000	3936000	6500	2	0	1	2		1907	
NMG08922	SITE NL-239	NAVAJO		12	691000	3936000	6500	2	0	1	1		1856	
NMG08923	SITE NL-277	NAVAJO		12	690000	3936000	6500	2	0	1	3		1909	
NMG08924	SITE NL-284	NAVAJO		12	693000	3937000	6500	2	0	1	3		1872	
NMG08925	SITE NL-287	NAVAJO	RECENT	12	692000	3937000	6500	2	0	1	3	1935	1942	
NMG08926	SITE NL-K22	NAVAJO		12	691000	3937000	6500	2	0	1	2		1953	
NMG08927	SITE NL-30	NAVAJO		12	690000	3937000	6500	2	0	1	3		1889	
NMG08928	SITE PM 12, HOGAN	NAVAJO		12	689000	3943000	7150	2	0	1	1		1854	
NMG08929	SITE PM 23, CORRAL	NAVAJO	RECENT	12	681000	3943200	7000	2	0	1	1		1947	
NMG08930	SITE PM 25, CORRAL	NAVAJO	RECENT	12	681000	3943100	6890	2	0	1	1		1946	
NMG08931	SITE PM 28, HOGAN	NAVAJO		12	681000	3943000	6890	2	0	1	1		1874	
NMG08932	SITE PM 36	NAVAJO		12	681000	3942500	6840	2	0	1	2		1895	
NMG08933	SITE PM 39, HOGAN	NAVAJO		12	682000	3944500	6800	2	0	1	2		1867	
NMG08934	SITE PM 40, STORAGE	NAVAJO		12	684000	3944000	6750	2	S	1	1		1868	
NMG08935	SITE PM 60, HOGAN	NAVAJO		12	684000	3943000	6820	2	0	1	1		1898	
NMG08936	SITE PM 64, HOGANS	NAVAJO		12	681000	3942400	6840	2	0	1	2		1892	
NMG08937	SITE PM 80, HOGAN	NAVAJO	RECENT	12	684000	3941000	6890	2	0	1	3	1881	1881	1
NMG08938	SITE PM 91, HOGAN	NAVAJO		12	685000	3940000	7050	2	0	1	3		1903	
NMG08939	SITE PM 124, HOGAN	NAVAJO		12	685000	3941000	6840	2	0	1	1		1820	
NMG08940	SITE PM 125, HOGAN	NAVAJO		12	685020	3941020	6840	2	0	1	1		1855	
NMG08941	SITE PM 131, PEN	NAVAJO		12	685010	3941010	6840	2	0	1	1		1817	
NMG08942	SITE PM 135	NAVAJO	RECENT	12	686000	3939500	6510	2	0	1	3	1919	1926	
NMG08943	SITE PM 201	NAVAJO	RECENT	12	682005	3946250	6840	2	0	1	3	1944	1946	

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NMG08944	SITE PM 202, HOGAN	NAVAJO		12	682000	3946300	6840	2	0	1	1		1886	
NMG08945	SITE PM 225, HOGAN	NAVAJO		12	688000	3946500	6970	2	0	1	2		1878	
NMG08946	SITE PM 243	NAVAJO	RECENT	12	686000	3946600	6970	2	0	1	2	1906	1906	
NMG08947	SITE PM 261	NAVAJO	RECENT	12	681000	3953000	7300	2	0	1	5	1957	1963	
NMG08948	SITE PM 263	NAVAJO	RECENT	12	685500	3947500	7200	2	0	1	2	1949	1949	
NMG08949	SITE PM 264	NAVAJO	RECENT	12	685000	3945000	7350	2	0	1	1		1900	
NMG08950	SITE PM 268	NAVAJO		12	686000	3947000	7365	2	0	1	1		1870	
NMG08951	LA 12805	NAVAJO		12	684000	3945000	7280	2	0	1	1		1906	
NMG08952	LA 12808	NAVAJO	RECENT	12	684900	3947000	7200	2	0	1	6	1883	1883	
NMG08953	LA 12809	NAVAJO	RECENT	12	685000	3946900	7200	2	0	1	2		1886	
NMG08954	LA 12810	NAVAJO		12	685000	3947100	7200	2	0	1	1		1750	
NMG08955	LA 12814	NAVAJO		12	685100	3947000	7200	2	0	1	4	1915	1916	
NMG08956	LA 12818	NAVAJO		12	685000	3947000	7200	2	0	1	1		1819	
NMG08957	SITE PM 81	NAVAJO	RECENT	12	683000	3941000	6740	2	0	1	3		1959	
NMG09001	DCA-80-126	NAVAJO	RECENT	12	754000	3953000	5800	1	0	1	1		1891	
NMG11301	LA 61964	NAVAJO	RECENT	12	691930	396670	6760	2	0	1	1		1853	
NMH00101	BIG BEAD MESA	PUEBLITO	GOBERN	13	299000	3929000	6800	2	0	1	33	1766	1856	1
NMH00301	STAR LAKE	NAVAJO	GOBERN	13	277000	3975000	6800	2	0	1	1	1739	1739	
NMH01301	SITE CM-4	NAVAJO	GOBERN	13	247000	3987000	6700	2	0	1	2		1779	
NMH01401	SITE CM-18	PUEBLITO	GOBERN	13	264000	3977000	6900	2	0	1	3		1745	
NMH01501	SITE CM-35	NAVAJO	GOBERN	13	253000	3987000	6730	2	0	1	7		1606	
NMH01601	SITE CM-38	PUEBLITO	GOBERN	13	264000	3976000	6800	2	0	1	19	1738	1972	1
NMH02101	SITE CM-150	NAVAJO	GOBERN	13	259000	3978000	7000	2	0	1	1		1707	
NMH02701	NLC-E-C-UC-N	NAVAJO	GOBERN	13	258000	3978000	7000	2	0	1	1		1725	
NMH02901	NLC-E-RP-MP-B	NAVAJO	CABEZO	13	304000	3908000	6600	2	0		3	1856	1856	
NMH03001	NLC-E-RP-MP-E	NAVAJO	CABEZO	13	305900	3879800	6100	2	0		4	1840	1840	
NMH03101	NLC-E-RP-MP-F	NAVAJO	CABEZO	13	306000	3878000	6300	2	0		3	1843	1843	
NMH04001	NLC-E-RP-MP-W	NAVAJO	GOBERN	13	293000	3918000	8000	2	0		5	1787	1787	
NMH04401	NLC-E-RP-MP-DD	NAVAJO	GOBERN	13	318000	3935000	6900	2	0	1	1		1754	
NMH04901	NLC-E-RP-MP-QQ	NAVAJO	CABEZO	13	305000	3910000	6000	2	0		1		1805	
NMH05301	NLC-E-RP-SM-Q	NAVAJO	RECENT	13	268000	3923000	7800	2	0	1	2	1927	1927	
NMH06001	NLC-E-RP-UP-S	NAVAJO	GOBERN	13	305000	3965000	6500	2	0	1	5		1772	
NMH06301	NLC-E-RP-USJ-K	NAVAJO	RECENT	13	239500	3903000	6900	2	0		1	1940	1940	
NMH06601	LA 5228	NAVAJO	GOBERN	13	304000	3926000	6100	2	0	1	2	1747	1752	
NMH07001	SITE CM-182	NAVAJO	GOBERN	13	265000	3977500	6990	2	0		3		1800	
NMH07002	SITE CM-183	NAVAJO	RECENT	13	265009	3977520	6920	2	0		1	1940	1940	
NMH07003	SITE CM-184	NAVAJO	RECENT	13	265010	3977510	6990	2	0	1	1	1942	1942	
NMH07004	SITE CM-185	NAVAJO	RECENT	13	265030	3977600	6820	2	0		2	1912	1923	
NMH07005	SITE CM-186	NAVAJO	RECENT	13	265040	2977500	6850	2	0		2	1946	1946	
NMH07701	PENASCO DE LAS NAVAJ	NAVAJO	GOBERN	13	285000	3903500	7652	2	0	1	5		1788	
NMH07801	NM H:10:73 (NAU)	NAVAJO	GOBERN	13	253500	3911220	7200	2	0	1	2		1555	
NMI00059	CIENEGUILLA PUEBLO		P5	13	398000	3939000	6200	2	0	1	21		1732	
NMI00801	JEMEZ CAVE	JEMEZ	RECENT	13	347563	3961976	6370	3	S		6	1835	1899	
NMI00901	SAN ILDEFONSO	TEWA	P5	13	398680	3972550	5530	2	0	1	1		1787	
NMI02101	KIATSEKWA	JEMEZ	P4-P5	13	353906	3055356	7720	2	0	1	5	1615	1616	1
NMI02501	KOTYIKI	KERESAN	P4-P5	13	375600	3950550	5930	2	0	1	32	1684	1691	1
NMI02601	BOLETSAKWA	KERESAN	P4	13	352800	3952400	7200	2	0	1	13	1680	1683	1
NMI03801	ZIA PUEBLO	KERESAN	P4-P5	13	343854	3930310	5400	2	0	1	2		1793	
NMI04901	LA 42	PUEBLO	P5	13	390300	3969400	6410	2	0		5		1871	
NMI05201	LA 70	PUEBLO	P5	13	381065	3943616	5330	2	0	1	10		1790	
NMI07001	PAJARITO GROUP 118	PUEBLO	P4	13	385000	3978000	7400	1	0	1	1	1830	1830	

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NMI07002	PAJARITO GROUP 25	PUEBLO	RECENT	13	385000	3978000	7400	2	S	1	1		1674	
NMI08601	TZEGUMA	PUEBLO	P4-P5	13	398283	3939593	6115	2	0	1	1		1625	
NMJ01101	NAMBE	TEWA	P4-P5	13	412957	3971601	6080	2	0	1	1		1850	
NMJ01202	PECOS PUEBLO	PUEBLO	RECENT	13	437500	3934200	7000	2	0	1	9		1678	
NMJ01801	LA 608	PUEBLO	RECENT	13	415615	3949839	7080	2	0	1	4		1805	
NMJ03401	TESUQUE PUEBLO	PUEBLO	RECENT	13	392500	2964000	7000	2	0	1	60		1929	3
NMM01401	NLC-S-AS-AM-B	NAVAJO		12	765000	3780000	7500	2	0	1	6	1704	1800	
NMM02401	NLC-S-ULC-EM-G	NAVAJO		12	730000	3785000	8000	2	0	1	4		1823	
NMM02601	NLC-S-ULC-EM-I	NAVAJO	RECENT	12	730000	3790000	7500	2	0	1	1		1950	
NMM02801	NLC-S-ULC-EM-K	NAVAJO	RECENT	12	730000	3786000	7500	2	0	1	3		1935	
NMM03501	NLC-S-ULC-EM-GG	NAVAJO	RECENT	12	728000	3820000	6900	2	0	1	1		1914	
NMM03601	NLC-S-ULC-ZR-D	NAVAJO	RECENT	12	723000	3860000	7200	2	0	1	4	1893	1925	
NMM03701	NLC-S-ULC-ZR-E	NAVAJO	CABEZO	12	740000	3860007	7500	2	0	1	21	1839	1863	1
NMM03801	NLC-S-ULC-ZR-P	NAVAJO		12	720000	3854000	7100	2	0	1	1		1720	
NMM04101	NLC-S-ULC-ZR-S	NAVAJO	RECENT	12	730000	3860000	7500	2	0	1	1		1877	
NMM04201	NLC-S-ULC-ZR-W	NAVAJO		12	715000	3850000	7000	2	0	1	4	1876	1876	
NMM04301	NLC-S-ULC-ZR-Z	NAVAJO		12	720000	3868000	7600	2	0	1	2		1791	
NMM04401	NLC-S-ULC-CZ-A	NAVAJO	RECENT	12	710000	3825000	7000	2	0	1	20		1834	
NMM04501	NLC-S-ULC-CZ-B	NAVAJO		12	716000	3830000	7200	2	0	1	16		1535	
NMM04601	NLC-S-ULC-CZ-C	NAVAJO		12	710000	3830000	7000	2	0	1	9		1764	
NMM04901	NLC-S-ULC-EM-Z	NAVAJO		12	720000	3810000	7000	2	0	1	9	1701	1850	
NMM05001	NLC-S-ULC-EM-AA	NAVAJO		12	705000	3810000	6800	2	0	1	8	1833	1833	
NMN00201	ACOMA PUEBLO	ACOMA	P5	13	264950	3864650	6410	2	0	1	280	1646	1967	1
NMN00502	LP 2:13A	PUEBLO		13	240000	3868000	6800	2	S	1	28	1812	1850	
NMN01302	LP 4:3B	PUEBLO	P5	13	246000	3861000	7500	2	S	1	3		1617	
NMN01901	NLC-S-AS-D-B	NAVAJO	RECENT	13	228000	3793000	8200	2	0	1	1		1846	
NMN02001	NLC-S-AS-D-C	NAVAJO		13	235000	379000	8000	2	0	1	1		1785	
NMN02101	NLC-S-AS-D-D	NAVAJO	CABEZO	13	234000	3790000	7500	2	0	1	8	1837	1881	
NMN02201	NLC-S-AS-D-E	NAVAJO	RECENT	13	235000	3796000	9000	2	0	1	1		1876	
NMN02801	NLC-S-AS-GB-E	NAVAJO	CABEZO	13	261000	3797000	8000	2	0	1	6		1868	
NMN02901	NLC-S-AS-GB-G	NAVAJO	RECENT	13	273000	3790000	8000	2	0	1	1	1922	1922	
NMN03401	NLC-S-AS-GB-M	NAVAJO	RECENT	13	264000	3799000	8000	2	0	1	3	1867	1892	
NMN03601	NLC-S-AS-GB-O	NAVAJO	RECENT	13	272000	3796000	7200	2	0	1	3		1879	
NMN03701	NLC-S-AS-GB-P	NAVAJO	CABEZO	12	268000	3785000	7600	2	0	1	1		1821	
NMN03901	NLC-S-AS-GB-S	NAVAJO	CABEZO	13	286000	3796000	7500	2	0	1	6		1861	
NMN04001	NLC-S-AS-GB-T	NAVAJO	RECENT	13	290000	3797000	7200	2	0	1	5		1892	
NMN04501	NLC-S-AS-GB-Y	NAVAJO	CABEZO	13	285000	3790000	7000	2	0	1	1		1950	
NMN04601	NLC-S-AS-GB-AA	NAVAJO	CABEZO	13	275000	3800000	7000	2	0	1	1		1837	
NMN04801	NLC-S-AS-GB-DD	NAVAJO	RECENT	13	276000	3800000	7000	2	0	1	1		1869	
NMN04901	NLC-S-AS-L-C	NAVAJO	RECENT	13	301000	3810000	6200	2	0	1	5	1925	1926	
NMN05101	NLC-S-AS-L-J	NAVAJO	CABEZO	13	308000	381000	7000	2	0	1	4		1836	
NMN05201	NLC-S-AS-AC-A	NAVAJO	RECENT	13	272000	3805000	6800	2	0	1	1		1888	
NMN05301	NLC-S-AS-AC-B	NAVAJO	RECENT	13	271000	3805000	6700	2	0	1	1	1	1898	
NMN05401	NLC-S-AS-AC-C	NAVAJO	RECENT	13	273000	3805000	6300	2	0	1	14		1899	
NMN05601	NLC-S-AS-AC-F	NAVAJO	RECENT	13	274000	3820000	6400	2	0	1	2	1877	1877	
NMN05701	NLC-S-AS-AC-G	NAVAJO	RECENT	13	278000	3815000	6000	2	0	1	3	1877	1880	
NMN05801	NLC-S-AS-AC-H	NAVAJO	RECENT	13	279000	3819000	5900	2	0	1	2		1874	
NMN05901	NLC-S-AS-AC-K	NAVAJO	RECENT	13	269000	3825000	6600	2	0	1	1		1869	
NMN06001	NLC-S-AS-AC-L	NAVAJO	RECENT	13	261000	3814000	6500	2	0	1	1		1816	
NMN06101	NLC-S-AS-AC-M	NAVAJO	RECENT	13	262000	3824000	6600	2	0	1	3		1911	
NMN06401	NLC-S-AS-AC-Q	NAVAJO	RECENT	13	252000	3811000	7400	2	0	1	4		1950	1

State/Quad	Site Name/Number	Culture	Period	UTM	East	North	Elev	T	S	R	Num	EC	Late	C
NMN06501	NLC-S-AS-AC-R	NAVAJO	RECENT	13	255000	3820000	6500	2	0	1	1		1890	
NMN06701	NLC-S-AS-AC-T	NAVAJO		13	283000	3810000	6100	2	0	1	1	1628	1628	
NMN07001	NLC-S-AS-AC-W	NAVAJO	CABEZO	13	251000	3811000	7600	2	0	1	3		1848	
NMN07101	NLC-S-AS-AC-X	NAVAJO	RECENT	13	268000	3822000	7500	2	0	1	1		1872	
NMN07201	NLC-S-AS-AC-Y	NAVAJO	CABEZO	13	259000	3839000	7600	2	0	1	8	1858	1876	
NMN07301	NLC-S-AS-AC-Z	NAVAJO	CABEZO	13	260000	3833000	6700	2	0	1	7	1854	1870	
NMN07401	NLC-S-AS-AC-BB	NAVAJO	CABEZO	13	252000	3829000	8000	2	0	1	5	1796	1797	
NMN07501	NLC-E-RP-CM-A	NAVAJO	RECENT	13	242000	3845000	8000	2	0	1	8	1927	1927	1
NMN07601	NLC-E-RP-CM-B	NAVAJO	CABEZO	13	238000	3845000	8200	2	0	1	1		1821	
NMN07701	NLC-E-RP-CM-C	NAVAJO	CABEZO	13	248000	3832000	7800	2	0	1	1		1796	
NMN08001	NLC-E-RP-CM-F	NAVAJO	CABEZO	13	232000	3834000	8200	2	0	1	9	1845	1845	1
NMN08101	NLC-E-RP-CM-G	NAVAJO	RECENT	13	234000	3833000	7800	2	0	1	15	1852	1939	1
NMN08201	NLC-E-RP-CM-H	NAVAJO		13	232000	3833000	7800	2	0	1	12	1853	1935	
NMN08301	NLC-E-RP-CM-I	NAVAJO	GOBERN	13	226000	3831000	7400	2	0	1	2		1733	
NMN08401	NLC-E-RP-CM-J	NAVAJO		13	227000	3835000	7600	2	0	1	2		1846	
NMN08501	NLC-E-RP-CM-K	NAVAJO		13	230000	3838000	7400	2	0	1	3	1793	1863	
NMN08601	NLC-E-RP-CM-L	NAVAJO		13	241000	3841000	7600	2	0	1	2	1877	1877	
NMN08701	NLC-E-RP-CM-M	NAVAJO	RECENT	13	245000	3838000	8000	2	0	1	1		1936	
NMN08801	NLC-E-RP-CM-P	NAVAJO	RECENT	13	242000	3865000	7400	2	0	1	2	1907	1926	
NMN08901	NLC-E-RP-CM-Q	NAVAJO	RECENT	13	241000	3870000	7000	2	0	1	1		1875	
NMN09001	NLC-E-RP-CM-R	NAVAJO	RECENT	13	245000	3875000	6700	2	0	1	1		1954	
NMN09201	NLC-E-RP-LP-A	NAVAJO	RECENT	13	293000	3848000	6600	2	0	1	2	1887	1888	
NMN09301	NLC-E-RP-LP-C	NAVAJO	RECENT	13	294000	3844000	7400	2	0	1	1		1922	
NMN09401	NLC-E-RP-LP-D	NAVAJO	RECENT	13	295000	3845000	7600	2	0	1	6	1877	1883	
NMN09501	NLC-E-RP-LP-E	NAVAJO	RECENT	13	298000	3846000	7000	2	0	1	2	1878	1881	
NMN09901	NLC-E-RP-MP-UU	NAVAJO	GOBERN	13	310000	3874000	5400	2	0	1	2		1744	
UTH00101	UT 42UN1103			12	664200	4492260	5480	3	S		7		1682	
UTV03601	UTAH V:8:24 (ASM)	PAIUTE		12	585640	4161210	5880	2	S	1	2		1528	
UTV05801	NLC-N-LSJ-GG-A	NAVAJO		12	567000	4139000	5200	2		1	1		1825	
UTV06001	NLS-N-LSJ-WC-B	NAVAJO		12	584000	4165000	6000	2	0	1	1		1752	
UTV06101	NLC-N-LSJ-WC-E	NAVAJO		12	578000	4156000	6000	2		1	5		1783	
UTW01401	UT 42SA1011	NAVAJO	RECENT	12	594000	4145000	6600	2	0	1	7	1882	1882	
UTW04701	NLC-N-LSJ-BE-A	NAVAJO		12	600000	4164000	8000	2		1	1		1824	
UTW04801	NLC-N-LSJ-BE-B	NAVAJO		12	598000	4163000	8000	2		1	1		1715	
UTW04901	NLC-N-LSJ-BE-D	NAVAJO		12	598000	4166000	8000	2		1	14	1840	1923	
UTW05001	NLS-N-LSJ-CC-C	NAVAJO		12	610000	4153000	6000	2		1	3		1812	
UTW05101	NLS-N-LSJ-CC-D	NAVAJO	RECENT	12	611000	4152000	6000	2		1	7	1843	1849	
UTW05201	NLC-N-LSJ-CC-J	NAVAJO		12	619000	4153000	5000	2		1	1		1730	
UTW05501	NLC-N-LSJ-WC-D	NAVAJO		12	583000	4156000	6000	2		1	7	1789	1873	
UTW05601	NLC-N-LSJ-MC-HH	NAVAJO		12	655000	4174000	6400	2		1	1		1846	
UTW05701	NLC-N-LSJ-MC-II	NAVAJO		12	664000	4186000	6800	2		1	9	1813	1838	
UTW05801	NLC-N-LSJ-MC-JJ	NAVAJO		12	648000	4172000	6400	2		1	1		1819	
UTW06401	NLC-N-LSJ-MC-AAA	NAVAJO	RECENT	12	654000	4164000	5600	2		1	1		1937	
UTW06501	NLC-N-LSJ-MC-CCC	NAVAJO		12	660000	4140000	5000	2		1	2	1874	1885	
UTW10901	UT 42SA6451	NAVAJO		12	632750	4159500	5720	2		1	3	1943	1943	
UTW10902	UT 42SA6458	NAVAJO		12	633250	4161750	5860	2		1	1		1925	
UTW10903	UT 42SA6460	NAVAJO		12	633300	4162000	5855	2		1	1		1930	
UTW10904	UT 42SA6465	NAVAJO		12	632900	4162900	5860	2		1	1		1932	
UTW10905	UT 42SA6467	NAVAJO		12	632950	4162850	5915	2		1	3	1932	1932	
UTW10906	UT 42SA6471	NAVAJO		12	633320	4164740	6165	2		1	3	1948	1953	
UTW10907	UT 42SA4774	NAVAJO		12	632800	4161910	5760	2		1	2	1930	1932	

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
UTW10908	UT 42SA6480	NAVAJO		12 632900	4159700	5600	2	1	2	1945		1945	
UTW10909	UT 42SA6482	NAVAJO		12 632580	4162960	5920	2	1	2	1933		1933	
UTW10910	UT 42SA6484	NAVAJO		12 632630	4163020	5870	2	1	2	1931		1931	
UTW10911	UT 42SA6485	NAVAJO		12 632630	4163210	5910	2	1	1			1924	
UTW10912	UT 42SA6487	NAVAJO		12 632910	4163450	5830	2	1	2	1933		1938	
UTW10913	UT 42SA6488	NAVAJO		12 632730	4163750	5950	2	1	1			1933	
UTW10914	UT 42SA6491	NAVAJO		12 632580	4164010	6080	2	1	2	1945		1945	
UTW10915	UT 42SA6492	NAVAJO		12 632760	4164090	6070	2	1	2	1941		1942	
UTW10916	UT 42SA6493	NAVAJO		12 632620	4164300	6085	2	1	1			1943	
UTW10917	UT 42SA6494	NAVAJO		12 632620	4164150	6060	2	1	1			1934	
UTW10918	UT 42SA6495	NAVAJO		12 633990	4163910	5845	2	1	1			1930	
UTW10919	UT 42SA6496	NAVAJO		12 632810	4163760	6010	2	1	1	1932		1932	
UTW10920	UT 42SA6497	NAVAJO		12 632800	4163920	6020	2	1	1			1948	
UTW10921	UT 42SA6500	NAVAJO		12 632950	4164260	6000	2	1	1	1941		1941	
UTW10922	UT 42SA6501	NAVAJO		12 632950	4164020	5980	2	1	2	1942		1942	
UTW10923	UT 42SA6502	NAVAJO		12 632860	4164260	6020	2	1	1	1944		1944	
UTW10924	UT 42SA6506	NAVAJO		12 632880	4164170	6010	2	1	2	1945		1945	
UTW10925	UT 42SA6508	NAVAJO		12 632910	4164510	6080	2	1	2	1943		1943	
UTW10926	UT 42SA6511	NAVAJO		12 632990	4164610	6040	2	1	1			1904	
UTW10927	UT 42SA6512	NAVAJO		12 632990	4164750	6040	2	1	1			1941	
UTW10928	UT 42SA6514	NAVAJO		12 632800	4164700	6045	2	1	1			1933	
UTW10929	UT 42SA6515	NAVAJO		12 632990	4164980	6040	2	1	1			1943	
UTW10930	UT 42SA6531	NAVAJO		12 632750	4164900	6000	2	1	1			1943	
UTW10931	UT 42SA6533	NAVAJO		12 632610	4164340	6090	2	0	1	1		1942	

Total Number of Sites = 1401

Total Number of Dates = 9316

**LISTING BY LATEST DATE**

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
NMB22301	LA 78481	NAVAJO		13 267670	4073380	6280	2	0		1		1218	
NMB22302	LA 79384	NAVAJO		13 248210	4092120	659	2	0		1		1258	
NMB22401	LA 80854	NAVAJO		13 250000	4080000	6500	2	0		2		1275	
NMB00205	SJC-186	NAVAJO	RECENT	13 265500	4058900	6840	2	0	1	3		1289	
COW07501	CO 5LP2907	Ute?		13 240000	4110000	7000	2	0	1	1		1480	
NMB04702	LA 4297	NAVAJO	GOBERN	13 268500	4086500	6040	2	0	1	1		1504	
NMB00242	LA 79280	NAVAJO	GOBERN	13 249340	4085200	6530	1	0	1	3		1514	
NMB26301	LA 79290	NAVAJO	GOBERN	13 250400	4085520	6300	2	0	1	8		1526	
UTV03601	UTAH V:8:24 (ASM)	PAIUTE		12 585640	4161210	5880	2	S	1	2		1528	
NMM04501	NLC-S-ULC-CZ-B	NAVAJO		12 716000	3830000	7200	2	0	1	16		1535	
NMB14201	NLC-E-CL-UL-A	NAVAJO	GOBERN	13 280000	4010000	6500	2	0	1	1		1544	
NMB06201	GROTTO CAVE			13 255000	4095000	6500		S		8	1526	1548	
NMH07801	NM H:10:73 (NAU)	NAVAJO	GOBERN	13 253500	3911220	7200	2	0	1	2		1555	
AZJ00401	HANO	TEWA	P4	12 555001	3965900	6200	2	0	1	1		1556	
COW01502	TALUS VILLAGE	Ute		13 247540	4141500	6900		0	1	5		1559	
NMA03001	LA 61838	NAVAJO	DINETA	12 754120	4097000	6060	2	0		4		1560	
AZJ01401	SICHOMOVI	HOPI	P5-P6	12 554750	3965750	6200	2	0	1	2		1565	
NMB26601	LA 82984	NAVAJO	GOBERN	13 255990	4079360	5800	2	0	1	2		1568	
NMG01302	SITE K3:261 (ZAP)	ZUNI		12 695750	3885000	6330	1	0	1	5		1571	
NMB24601	LA 71263	NAVAJO		13 299615	4028080	6950	2	0	1	14		1571	
NMB26901	LA 74243	NAVAJO	DINETA	13 258800	4079300	6340	2	0	1	2		1580	
NMB27701	LA 100353	NAVAJO	DINETA	13 253920	4092400	6720	2	0	1	2		1580	
NMB27801	LA 100354	NAVAJO	DINETA	13 293950	4092420	6820	2	0	1	4		1580	
NMB21501	LA 71596	NAVAJO	GOBERN	13 277320	4071410	6645	2	0	1	3		1589	
NMH01501	SITE CM-35	NAVAJO	GOBERN	13 253000	3987000	6730	2	0	1	7		1606	
AZJ01201	SHIPAULOVI	HOPI	P5-P6	12 546450	3962600	6200	2	0	1	2		1610	
NMI02101	KIATSEKWA	JEMEZ	P4-P5	13 353906	3055356	7720	2	0	1	5	1615	1616	1
NMN01302	LP 4:3B	PUEBLO	P5	13 246000	3861000	7500	2	S	1	3		1617	
NMB25201	LA 16209	NAVAJO	GOBERN	13 259495	4090800	6540	2	0	1	23		1621	
NMB25601	LA 72766	NAVAJO	GOBERN	13 261880	4078620	6250	2	0	1	1		1621	
NMB10001	BG 83	NAVAJO		13 305005	4030000	7200	2	S		3		1622	
NMB25401	LA 72747	NAVAJO	GOBERN	13 257040	4082260	6500	2	0	1	32	1615	1622	1
NMI08601	TZEGUMA	PUEBLO	P4-P5	13 398283	3939593	6115	2	0	1	1		1625	
COW05502	IGNACIO 7:102	Ute		13 246700	4141800	7200		0	1	2		1627	
NMN06701	NLC-S-AS-AC-T	NAVAJO		13 283000	3810000	6100	2	0	1	1	1628	1628	
AZD29416	ARIZONA D:12:224	NAVAJO		12 568100	4032950	7005	2	0	1	2		1636	
NMB27401	LA 72765	NAVAJO	GOBERN	13 262020	4078600	6240	2	0	1	2		1647	
NMB27301	LA 68953	NAVAJO	GOBERN	13 261880	4080090	6240	2	0	1	2		1654	
NMB09702	BG 82	NAVAJO	GOBERN	13 305000	4038000	7200				1		1656	
AZD29434	ARIZONA D:12:255	NAVAJO		12 567650	4033175	7000	2	0	1	1		1658	
NMB21801	HADLOCK'S CROW CANYO	PUEBLITO	GOBERN	13 264850	4047260	6040	2	0	1	3		1661	
NMB21902	SPLIT ROCK RUIN	NAVAJO	GOBERN	13 275755	4037645	6520	2	0	1	2		1665	
AZJ11501	NLC-W-LLC-TS-E	NAVAJO		12 582100	3976900	6900	2	0	1	1	1666	1666	
NMC04001	LA 12065	JEMEZ	RECENT	13 334926	4034105	7600	2	S	1	2		1667	
AZD29355	ARIZONA D:7:4005	NAVAJO		12 556300	4045325	6820	2	0	1	2		1670	
AZE04505	NA 11362	NAVAJO		12 645800	4010800	6840	2	0	1	1		1672	
NMI07002	PAJARITO GROUP 25	PUEBLO	RECENT	13 385000	3978000	7400	2	S	1	1		1674	
NMJ01202	PECOS PUEBLO	PUEBLO	RECENT	13 437500	3934200	7000	2	0	1	9		1678	
NMB25501	LA 72767	NAVAJO	GOBERN	13 261820	4078720	6250	2	0	1	11	1677	1679	1
UTH00101	UT 42UN1103			12 664200	4492260	5480	3	S		7		1682	
NMI02601	BOLETSAKWA	KERESAN	P4	13 352800	3952400	7200	2	0	1	13	1680	1683	1

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C	
NMB11801	NLC-N-USJ-GLJ-GG	NAVAJO	GOBERN	13	286000	4067000	6600	2	0	1	1	1684		
AZD30789	ARIZONA D:11:4344	NAVAJO		12	555700	4035650	6400	2	0	1	2	1685		
AZJ00801	NEW ORAIBI	HOPI	P5-P6	12	534500	3970050	5600	2	0	1	1	1689		
NMB08102	TAPACITO RUIN	NAVAJO	GOBERN	13	275655	4036750	6440	2	0	1	9	1690	1690	1
AZD29535	ARIZONA D:11:436	NAVAJO		12	563210	4037300	6817	2	0	1	1	1690		
NMI02501	KOTYIKI	KERESAN	P4-P5	13	375600	3950550	5930	2	0	1	32	1684	1691	1
NMB28201	BUFFALO MASK	PUEBLITO	GOBERN	13	262280	4061300	5720	2	S	2	13	1673	1692	1
NMB08101	TAPACITO RUIN	PUEBLITO	GOBERN	13	275650	4036760	6440	2	0	2	22	1694	1694	1
NMB09802	LA 8948	NAVAJO	GOBERN	13	286050	4052500	7100	2	0	1	1	1695		
AZD30764	ARIZONA D:11:4268	NAVAJO		12	554160	4035410	6535	2	0	1	1	1698		
NMB15802	NLC-E-CL-UL-U	NAVAJO	GOBERN	13	270495	4037145	6265	2	0	1	1	1699		
NMB05101	LA 4331	PUEBLITO	GOBERN	13	271000	4079500	5800	2	0	1	1	1700		
AZD12401	NLC-W-LLC-DZ-N	NAVAJO		12	566800	3991400	6800	2	0	1	1	1701		
AZJ09201	NLC-W-LLC-NJ-B	NAVAJO		12	581000	3969500	6700	2	0	1	1	1703	1703	
NMB14401	NLC-E-CL-UL-F	PUEBLITO	GOBERN	13	278000	4018000	6800	2	0	1	1	1705		
NMH02101	SITE CM-150	NAVAJO	GOBERN	13	259000	3978000	7000	2	0	1	1	1707		
NMB28101	STAR ROCK REFUGE	PUEBLITO	GOBERN	13	259850	4050405	6600	2	0	2	1	1708		
NMB22002	BOULDER FORTRESS	NAVAJO	GOBERN	13	270085	4047315	6630	2	0	1	1	1709		
AZK08178	NFPI-10-011 (NAV FP)	NAVAJO		12	658000	3958000	7200	2	0	1	2	1709		
AZD30101	AZ-J-53-1 (NNCRMP)	NAVAJO		12	549570	4001220	6260	2	0	1	1	1709		
COV02202	CUT THROAT CASTLE	Ute		12	678500	4145740	5800	2	0	1	2	1710		
NMB15602	FOOTHOLD RUIN	NAVAJO	GOBERN	13	270065	4035285	6340	2	0	1	4	1710		
AZD20101	NLC-W-LLC-P-F	NAVAJO		12	569900	3990800	6800	2	0	1	1	1710	1710	
AZD30786	ARIZONA D:11:4340	NAVAJO		12	555825	4036160	6440	2	0	1	8	1710		
AZJ10401	NLC-W-LLC-OP-T	NAVAJO		12	573000	3969000	6400	2	0	1	1	1711	1711	
NMB17804	SHAFT HOUSE	PUEBLITO		13	267630	4048660	6400	2	0	2	4	1712		
NMB24801	WOLAJINI RUIN	PUEBLITO	GOBERN	13	295350	4050250	6810	2	0	2	15	1711	1712	1
NMB11301	LA 55834	PUEBLITO	GOBERN	13	294050	4064160	6850	2	0	1	2	1713		
AZD30713	ARIZONA D:11:4128	NAVAJO		12	550625	4028050	6440	2	0	1	1	1713		
NMB07301	LA 2138	PUEBLITO	GOBERN	13	294220	4065880	7440	2	0	1	14	1713	1714	1
UTW04801	NLC-N-LSJ-BE-B	NAVAJO		12	598000	4163000	8000	2		1	1	1715		
NMB06802	THREE CORN RUIN	NAVAJO	GOBERN	13	274460	4062400	6745	2	0	1	3	1707	1715	
NMB24701	DELGADITO RUIN	PUEBLITO	GOBERN	13	270885	4060720	6190	2	0	1	5	1713	1717	
NMB11101	NLC-N-USJ-GLJ-E	PUEBLITO	GOBERN	13	281000	4062000	6400	2	0	1	4	1718		
NMM03801	NLC-S-ULC-ZR-P	NAVAJO		12	720000	3854000	7100	2	0	1	1	1720		
AZJ01301	SHUNGOPAVI	HOPI	P5-P6	12	542750	2962250	6360	2	0	1	52	1720		
NMB14902	CANYON VIEW RUIN	NAVAJO	GOBERN	13	278965	4024085	6610	2	0	1	1	1721		
NMB17803	RIDGE TOP HOUSE	PUEBLITO	GOBERN	13	268555	4046880	6720	2	0	1	6	1721		
NMB08001	LA 2305	PUEBLITO	GOBERN	13	284000	4062000	6400	2	0		3	1718	1722	
NMB12201	GARCIA CANYON	PUEBLITO	GOBERN	13	274420	4075000	6260	2	0	2	27	1701	1722	2
NMB28001	TOWER STANDING GOD	PUEBLITO	GOBERN	13	271310	4019100	6930	2	0	2	5	1722		
NMB15001	NLC-E-CL-UL-M	NAVAJO	GOBERN	13	305000	4040000	7000	2	0	1	1	1723		
NMB21601	HOODED FIREPLACE	PUEBLITO	GOBERN	13	273550	4038600	6560	2	0	1	9	1723	1723	1
NMB22101	CROW CANYON RUIN	PUEBLITO	GOBERN	13	266260	4047550	6510	2	0	1	7	1723		
AZJ04001	NLC-W-LLC-J-J	NAVAJO		12	576600	3979600	6800	2	0	1	1	1723	1723	
NMH02701	NLC-E-C-UC-N	NAVAJO	GOBERN	13	258000	3978000	7000	2	0	1	1	1725		
NMB12301	NLC-N-USJ-GLJ-QQ	PUEBLITO	GOBERN	13	276000	4066000	6500	2	0	1	3	1703	1725	
AZD29335	ARIZONA D:7:503	NAVAJO		12	564530	4041320	6960	2	0	1	2	1725		
NMB07801	LA 2297	PUEBLITO	GOBERN	13	288500	4061500	6700	2	0		9	1715	1726	
AZD30220	ARIZONA D:11:692	NAVAJO		12	564475	4032500	7001	2	0	1	1	1726		
NMB06901	LA 1872	PUEBLITO	GOBERN	13	276350	4062750	6460	2	0	1	16	1727	1727	1



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NMB05904	NA 1743	PUEBLITO	GOBERN	13	285000	4010000	6500	2	0	1	1		1727	
NMB15701	OVERLOOK SITE	PUEBLITO	GOBERN	13	270220	4035600	6810	2	0	1	22	1725	1728	1
NMB15702	OVERLOOK SITE	NAVAJO	GOBERN	13	270225	4035605	6810	2	0	1	5	1727	1728	
NMB22001	BOULDER FORTRESS	PUEBLITO	GOBERN	13	270080	4047310	6630	2	0	1	8	1723	1728	
NMB13401	NLC-E-CL-LL-K	NAVAJO	GOBERN	13	255500	4043000	6600	2	0	1	7	1675	1729	
UTW05201	NLC-N-LSJ-CC-J	NAVAJO		12	619000	4153000	5000	2		1	1		1730	
NMB15901	NLC-E-CL-UL-V	PUEBLITO	GOBERN	13	299000	4030000	7000	2	0	1	3		1730	
NMB15801	NLC-E-CL-UL-U	PUEBLITO	GOBERN	13	270490	4037140	6265	2	0	1	15		1731	
NMB16102	NLC-E-CL-UL-Y	NAVAJO	GOBERN	13	285000	4040000	6600	2	0	1	1		1731	
NMI00059	CIENEGUILLA PUEBLO		P5	13	398000	3939000	6200	2	0	1	21		1732	
NMN08301	NLC-E-RP-CM-I	NAVAJO	GOBERN	13	226000	3831000	7400	2	0	1	2		1733	
NMB06501	LA 1684	PUEBLITO	GOBERN	13	293100	4064740	6585	2	0	1	4		1733	
NMB06601	LA 1868	PUEBLITO	GOBERN	13	285940	4063620	6530	2	0		1		1733	
NMB07101	LA 2136	PUEBLITO	GOBERN	13	286440	4059420	6710	2	0		11	1732	1734	1
NMB11701	NLC-N-USJ-GLJ-EE	NAVAJO	GOBERN	13	283000	4079000	6100	2	0	1	1		1734	
NMB14901	CANYON VIEW RUIN	PUEBLITO	GOBERN	13	278960	4024080	6620	2	0	1	20		1734	2
AZI08801	NLC-W-LLC-C-H	NAVAJO		12	436000	3979000	6600	2	0	1	1		1735	
AZK08133	NF-108 (NAV FP)	NAVAJO	DELMUE	12	653880	3958460	7420	2	0	1	1		1735	
NMB21701	LARGO SCHOOL RUIN	PUEBLITO	GOBERN	13	273400	4039620	6420	2	0	1	6	1736	1737	1
AZK04801	NLC-E-LLC-SM-B	NAVAJO		12	596000	3985000	6900	2	0	1	1		1738	
NMH00301	STAR LAKE	NAVAJO	GOBERN	13	277000	3975000	6800	2	0	1	1	1739	1739	
NMB27901	DEER HOUSE	PUEBLITO	GOBERN	13	269410	4021730	6810	2	0	2	7		1739	
NMB15601	FOOTHOLD RUIN	PUEBLITO	GOBERN	13	270060	4035280	6340	2	0	1	26	1720	1740	1
CO000602	MONITOR MESA-SMN41	Ute	RECENT	12	733010	4267000	7500	2	0	1	1		1741	
NMB05901	NA 1739	PUEBLITO	GOBERN	13	285000	4010000	6500	2	0	1	1	1741	1741	
NMB05902	NA 1740	PUEBLITO	GOBERN	13	285000	4010000	6500	2	0	1	1		1741	
NMB14601	KIN YAZHI	PUEBLITO	GOBERN	13	278680	4025620	6800	2	0	1	10	1739	1742	1
NMB05903	NA 1741	PUEBLITO	GOBERN	13	285000	4010000	6500	2	0	1	1	1742	1742	
NMB10801	NLC-N-USJ-GLJ-B	NAVAJO	GOBERN	13	286000	4065000	6700	2	0	1	1		1743	
AZK01501	SMALL KLAGETOH	PUEBLITO	GOBERN	12	635000	3925000	6420	2	0	1	2		1743	
AZD23701	NLC-W-LLC-UO-X	NAVAJO		12	581000	4027000	7000	2	0	1	1		1743	
NMN09901	NLC-E-RP-MP-UU	NAVAJO	GOBERN	13	310000	3874000	5400	2	0	1	2		1744	
NMB07401	LA 1687	PUEBLITO	GOBERN	13	291000	4059000	6700				6		1744	
NMB12001	NLC-N-USJ-GLJ-LL	NAVAJO	GOBERN	13	296000	4068000	7300	2	0	1	2		1744	
AZD22501	NLC-W-LLC-UO-E	NAVAJO		12	569000	4009000	6700	2	0	1	1		1744	
NMH01401	SITE CM-18	PUEBLITO	GOBERN	13	264000	3977000	6900	2	0	1	3		1745	
NMB06801	THREE CORN RUIN	PUEBLITO	GOBERN	13	274450	4062400	6745	2	0	1	63	1634	1745	5
NMB07001	FRANCES CANYON RUIN	PUEBLITO	GOBERN	13	276825	4071600	6810	2	0	1	49	1710	1745	7
NMB12601	NLC-N-SJ-LA-E	NAVAJO	GOBERN	13	257000	4085000	6400	2	0	1	1		1745	
NMB14801	NLC-E-CL-UL-K	PUEBLITO	GOBERN	13	275610	4017760	6800	2	0	1	14	1725	1745	1
AZI10701	NLC-W-LLC-C-PP	NAVAJO		12	425000	3984000	7300	2	0	1	1		1746	
AZD30281	ARIZONA D:11:4053	NAVAJO		12	553370	4033120	6355	2	0	1	1		1746	
NMB10902	NLC-N-USJ-GLJ-C	NAVAJO	GOBERN	13	286000	4060000	6700	2	0	1	5		1747	
NMB13501	PORK CHOP PASS SITE	PUEBLITO	GOBERN	13	268860	4041170	6680	2	0	1	26	1741	1747	2
NMB17801	ADOLPHO CANYON SITE	PUEBLITO	GOBERN	13	271080	4052500	6580	2	0	1	1		1747	
AZD29447	ARIZONA D:11:17	NAVAJO		12	552540	4035500	6520	2	0	1	1		1747	
NMB28401	HANGING POT RUIN	NAVAJO	GOBERN	13	267680	4010930	7390	2	0	1	2		1747	
NMB15501	POINTED BUTTE RUIN	NAVAJO	GOBERN	13	282740	4033060	6880	2	0	1	11	1709	1748	
NMB27501	LA 83529	NAVAJO		13	273000	4069840	6700	2	0	2	6		1748	
NMB06702	OLD FORT RUIN	NAVAJO	GOBERN	13	274200	4063120	6700	2	0	1	12		1748	
AZD30788	ARIZONA D:11:4343	NAVAJO		12	555640	4035800	6380	2	0	1	5		1749	

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CO000701	CO 5ME469	Ute	RECENT	12	719440	4279000	7830	2	0	1	1		1750	
NMG08954	LA 12810	NAVAJO		12	685000	3947100	7200	2	0	1	1		1750	
NMB07201	LA 2137	PUEBLITO	GOBERN	13	290000	4063000	6600	2	0		4	1726	1750	1
NMB17802	ADOLPHO CANYON SITE	NAVAJO	GOBERN	13	271075	4052505	6580	2	0	1	6		1751	
NMB28302	HIDDEN HOUSE	NAVAJO	GOBERN	13	274325	4063855	6545	2	0	1	6	1746	1751	1
NMB28402	HANGING POT RUIN	PUEBLITO	GOBERN	13	267680	4010930	7390	2	0	1	2	1746	1751	1
UTV06001	NLS-N-LSJ-WC-B	NAVAJO		12	584000	4165000	6000	2	0	1	1		1752	
NMH06601	LA 5228	NAVAJO	GOBERN	13	304000	3926000	6100	2	0	1	2	1747	1752	
NMB08701	GOBERNADOR UNKNOWN	PUEBLITO	GOBERN	13	268000	4043000	7200				37	1713	1752	
NMB06701	OLD FORT RUIN	PUEBLITO	GOBERN	13	274200	4063120	6700	2	0	3	53	1721	1753	5
NMB15401	TRUBY'S TOWER	PUEBLITO	GOBERN	13	276160	4036760	6420	2	0	1	26	1743	1753	1
NMH04401	NLC-E-RP-MP-DD	NAVAJO	GOBERN	13	318000	3935000	6900	2	0	1	1		1754	
NMB21401	SIMON CANYON	PUEBLITO	GOBERN	13	262620	4079700	6010	2	0	1	4	1691	1754	1
AZD20201	NLC-W-LLC-P-I	NAVAJO		12	570100	3989600	6100	2	0	1	1		1754	
NMB28301	HIDDEN HOUSE	PUEBLITO	GOBERN	13	274330	4063850	6550	2	0	2	16	1743	1754	1
NMG04301	NLC-S-ULC-UP-AA	NAVAJO	GOBERN	12	740000	3940000	7000	2	0	1	1		1755	
AZK05101	NLC-W-LLC-SM-E	NAVAJO		12	593000	3985000	6900	2	0	1	2		1756	
AZK05701	NLC-E-LLC-SM-N	NAVAJO		12	601000	3988000	6900	2	0	1	2		1756	
AZJ09601	NLC-W-LLC-NJ-K	NAVAJO		12	589000	3974500	6750	2	0	1	1		1757	
NMG01301	SITE K3:260 (ZAP)	ZUNI		12	695750	3885000	6330	1	0	1	8	1756	1758	
AZJ11601	NLC-W-LLC-TS-F	NAVAJO		12	583400	3977400	6900	2	0	1	1		1759	
AZD30227	ARIZONA D:11:1021	NAVAJO		12	561140	4038840	6620	2	0	1	2		1759	
NMC03101	SITE AR-4	NAVAJO	GOBERN	13	371000	4014000	6300	1	0	3	4		1760	
NMB22202	LA 80321	NAVAJO		13	240000	4090000	6670	2	0	1	7		1760	
AZJ00701	ORAIBI	HOPI	P5	12	534150	3969910	5740	2	0	2	155		1760	
AZK01201	KINNAZINDE	PUEBLITO	GOBERN	12	637950	3924970	6580	2	0	1	16	1759	1760	1
AZK04701	NLC-E-LLC-SM-A	NAVAJO		12	595000	3986000	6900	2	0	1	1		1760	
NMG07001	NLC-S-ULC-UP-MM	NAVAJO	GOBERN	12	735500	3943000	6870	2	0	1	4	1721	1762	
NMB22303	LA 81172	NAVAJO	GOBERN	13	240000	4090000	6600	2	0	1	3	1627	1762	
AZK01701	NAZLINI CANYON	PUEBLITO	GOBERN	12	641740	3973750	6600	2	0	1	18	1751	1762	1
CO000601	MONITOR MESA	Ute	RECENT	12	733000	4267000	7500	2	0	1	2		1763	
NMM04601	NLC-S-ULC-CZ-C	NAVAJO		12	710000	3830000	7000	2	0	1	9		1764	
NMG06901	NLC-S-ULC-UP-LL	NAVAJO	GOBERN	12	735000	3943000	6880	2	0	1	14	1755	1764	1
AZK06601	NLC-S-MLC-LP-O	PUEBLITO	GOBERN	12	631000	3955000	6600	2	0		8	1762	1764	1
AZI03702	LE BARON KIVA			12	470400	3901150	5900	1	S	1	1		1764	
AZD30760	ARIZONA D:11:4257	NAVAJO		12	553310	4035440	6535	2	0	1	1		1765	
AZK08161	NFPI-16-24 (NAV FP)	NAVAJO		12	642000	3965000	6500	2	0	1	1		1766	
NMB07601	LARGO CANYON UNKNOWN	PUEBLITO	GOBERN	13	270000	4020000	6500				12	1747	1768	
NMB17951	CHACO E5 (NPS)	NAVAJO		13	255920	3982960	6740	2	0	1	4		1769	
NMB16602	NLC-E-CL-UL-FF	NAVAJO	CABEZO	13	300000	4040000	7000	2	0	1	1		1770	
NMB26401	LA 79462	NAVAJO	GOBERN	13	258680	4085980	6450	2	0	1	23		1770	
AZD29390	ARIZONA D:7:4123	NAVAJO		12	553760	4048200	6880	2	0	1	1		1770	
AZD30218	ARIZONA D:11:688	NAVAJO		12	564950	4031900	7100	2	0	1	1		1770	
NMB12501	NLC-N-SJ-LA-D	NAVAJO	GOBERN	13	246000	4079000	6600	2	0	1	1		1771	
NMH06001	NLC-E-RP-UP-S	NAVAJO	GOBERN	13	305000	3965000	6500	2	0	1	5		1772	
AZE00401	CC 351 (NPS)	NAVAJO	GOBERN	12	645000	3997000	5850	1	0	1	45	1773	1773	
AZJ04601	NLC-W-LLC-LM-G	NAVAJO		12	581000	3979800	6580	2	0	1	1		1773	
AZK05001	NLC-E-LLC-SM-D	NAVAJO		12	594000	3987000	0	2	0	1	2		1773	
AZJ09301	NLC-W-LLC-NJ-D	NAVAJO		12	585000	3971300	6900	2	0	1	2		1776	
AZD29388	ARIZONA D:7:4120	NAVAJO		12	553490	4049620	7060	2	0	1	2		1776	
AZD29523	ARIZONA D:11:408	NAVAJO		12	563600	4032675	6960	2	0	1	1		1776	

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AZD29317	ARIZONA D:7:276	NAVAJO		12 562700	4041100	6738	2	0	1	6	1719	1777	
NMB17953	CHACO E7 (NPS)	NAVAJO	CABEZO	13 256350	3982240	6740	2	0	1	4		1778	
AZJ04101	NLC-W-LLC-J-K	NAVAJO		12 577200	3979800	6900	2	0	1	1		1778	
NMH01301	SITE CM-4	NAVAJO	GOBERN	13 247000	3987000	6700	2	0	1	2		1779	
AZI13301	HARBISON CAVE	COHONINO	RECENT	12 417000	3961000	6100	3	S		2		1779	
AZD22601	NLC-W-LLC-UO-F	NAVAJO		12 569000	4010000	6800	2	0	1	1		1779	
NMB16002	NLC-E-CL-UL-W	NAVAJO	CABEZO	13 270000	420000	7000	2	0	1	12		1780	
AZE01401	SPIDER ROCK FORT	PUEBLITO	GOBERN	12 648670	3996970	6210	2	0	1	3		1780	
AZD21401	NLC-W-LLC-UD-Y	NAVAJO		12 573000	4024000	7100	2	0	1	1		1780	
AZD30286	ARIZONA D:11:4061	NAVAJO		12 550860	4028100	6440	2	0	1	2		1780	
AZD30734	ARIZONA D:11:4196	NAVAJO		12 552630	4039125	6560	2	0	1	2		1781	
AZK06201	NLC-W-LLC-SM-V	NAVAJO	DELMUE	12 590500	3992000	6800	2	0	1	3		1782	
AZD29581	ARIZONA D:11:587	NAVAJO		12 566825	4030900	6980	2	0	1	6		1782	
UTV06101	NLC-N-LSJ-WC-E	NAVAJO		12 578000	4156000	6000	2		1	5		1783	
AZD29360	ARIZONA D:7:4016	NAVAJO		12 552740	4042650	6580	2	0	1	2		1783	
NMB17952	CHACO E6 (NPS)	NAVAJO		13 256100	3982960	6680	2	0	1	4		1784	
AZK04301	NLC-W-LLC-NJ-W	NAVAJO		12 590000	3961000	6500	2	0	1	1		1784	
AZK05901	NLC-W-LLC-SM-Q	NAVAJO		12 592000	3988000	6900	2	0	1	1		1784	
AZD29353	ARIZONA D:7:4002	NAVAJO		12 556300	4044920	6655	2	0	1	2		1784	
NMN02001	NLC-S-AS-D-C	NAVAJO		13 235000	379000	8000	2	0	1	1		1785	
AZC02301	GC-276	PAIUTE		12 419500	4008000	7900	3	S		1		1786	
NMI00901	SAN ILDEFONSO	TEWA	P5	13 398680	3972550	5530	2	0	1	1		1787	
NMH04001	NLC-E-RP-MP-W	NAVAJO	GOBERN	13 293000	3918000	8000	2	0		5	1787	1787	
AZD30284	ARIZONA D:11:4059	NAVAJO		12 551010	4028160	6470	2	0	1	1		1787	
NMH07701	PENASCO DE LAS NAVAJO	NAVAJO	GOBERN	13 285000	3903500	7652	2	0	1	5		1788	
AZI08701	NLC-W-LLC-C-G	NAVAJO		12 434000	3981000	6600	2	0	1	1		1788	
AZD10701	NLC-W-LLC-DO-G	NAVAJO		12 581000	3990000	6500	2	0	1	2	1772	1788	
AZD30797	ARIZONA D:7:2085	NAVAJO		12 550900	4047100	6770		0		1		1788	
AZD29393	ARIZONA D:7:4153	NAVAJO		12 554490	4047500	6820	2	0	1	8		1789	
AZD30256	ARIZONA D:11:4004	NAVAJO		12 562250	4038250	6718	2	0	1	2		1789	
NMI05201	LA 70	PUEBLO	P5	13 381065	3943616	5330	2	0	1	10		1790	
NMM04301	NLC-S-ULC-ZR-Z	NAVAJO		12 720000	3868000	7600	2	0	1	2		1791	
NMG08911	SITE NL-138	NAVAJO		12 691000	3938000	6500	2	0	1	1		1791	
NMB11601	NLC-N-USJ-GLJ-CC	NAVAJO	GOBERN	13 283000	4076000	6200	2	0	1	1		1791	
AZD29478	ARIZONA D:11:269	NAVAJO		12 560700	4027625	6939	2	0	1	2		1791	
AZD23001	NLC-W-LLC-UO-P	NAVAJO		12 562000	4005000	6400	2	0	1	1		1792	
NMI03801	ZIA PUEBLO	KERESAN	P4-P5	13 343854	3930310	5400	2	0	1	2		1793	
NMB17903	NM 29SJ2606	NAVAJO	CABEZO	13 243761	3987914	6550	2	0		6		1793	
NMB17945	LA 52965	NAVAJO		13 241209	3989260	6425	2	0	1	1		1795	
AZD23101	NLC-W-LLC-UO-Q	NAVAJO		12 563000	4006000	6500	2	0	1	1	1795	1795	
NMN07701	NLC-E-RP-CM-C	NAVAJO	CABEZO	13 248000	3832000	7800	2	0	1	1		1796	
AZD02604	NA 14016	NAVAJO		12 562500	4013500	6800	2	0	1	4		1796	
NMN07401	NLC-S-AS-AC-BB	NAVAJO	CABEZO	13 252000	3829000	8000	2	0	1	5	1796	1797	
AZJ08301	NLC-W-LLC-MJ-III	NAVAJO		12 577000	3955000	6900	2	0	1	1	1797	1797	
AZD29322	ARIZONA D:7:308	NAVAJO		12 563500	4040120	6738	2	0	1	3		1797	
AZC02302	WP-37	PAIUTE		12 418000	4002000	8000	2	S	1	1		1798	
AZE04001	NLC-W-LLC-BC-P	NAVAJO	CABEZO	12 595000	4000000	6800	2	0	1	2		1798	
AZK06801	NLC-S-ULC-UP-P	NAVAJO		12 673450	3944850	6750	2	0	1	1	1798	1798	
AZD26801	NLC-W-NM-PC-O	NAVAJO		12 556000	4091000	6000	2	0	1	1		1799	
AZD29484	ARIZONA D:11:285	NAVAJO		12 562825	4028025	6918	2	0	1	2		1799	
NMM01401	NLC-S-AS-AM-B	NAVAJO		12 765000	3780000	7500	2	0	1	6	1704	1800	

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
NMH07001	SITE CM-182	NAVAJO	GOBERN	13 265000	3977500	6990	2	0		3		1800	
NMB16502	NLC-E-CL-UL-EE	NAVAJO	CABEZO	13 303000	4040000	7000	2	0	1	1		1800	
AZE05233	PEN-129 (NPS)	NAVAJO	RECENT	12 645250	4003510	6675	2	0	1	1		1800	
AZK04501	NLC-W-LLC-NJ-EE	NAVAJO		12 603000	3972000	6700	2	0	1	1		1800	
AZK06301	NLC-W-LLC-SM-W	NAVAJO		12 590500	3990000	6800	2	0	1	1		1800	
AZE05203	NRM-55 (NPS)	NAVAJO		12 651020	4015320	7200	2	0	1	1		1801	
NMG04601	NLC-S-ULC-UP-JJ	NAVAJO	CABEZO	12 744000	3941000	7200	2	0	1	3		1802	
AZK07001	NLC-S-ULC-UP-R	NAVAJO	DELMUE	12 679000	3927000	6900	2	0	1	4	1777	1802	
AZD29513	ARIZONA D:11:378	NAVAJO		12 566180	4037425	6978	2	0	1	14		1802	
AZC01101	NLC-W-LLC-C-B	NAVAJO	CABEZO	12 431000	3983000	7000	2	0	1	11	1793	1803	1
AZD09301	NLC-W-LLC-BC-I	NAVAJO		12 581500	3990500	6500	2	0	1	1		1803	
AZJ10201	NLC-W-LLC-OP-P	NAVAJO		12 574000	3971000	6400	2	0	1	1	1804	1804	
AZD23201	NLC-W-LLC-UO-R	NAVAJO		12 563000	4003000	6500	2	0	1	3		1804	
AZD29389	ARIZONA D:7:4121	NAVAJO		12 553775	4049525	7060	2	0	1	1		1804	
NMJ01801	LA 608	PUEBLO	RECENT	13 415615	3949839	7080	2	0	1	4		1805	
NMH04901	NLC-E-RP-MP-QQ	NAVAJO	CABEZO	13 305000	3910000	6000	2	0		1		1805	
AZD11801	NLC-W-LLC-DZ-G	NAVAJO		12 567900	3992000	7000	2	0	1	1		1805	
AZJ07801	NLC-W-LLC-MJ-DD	NAVAJO		12 577500	3949800	6580	2	0	1	4	1772	1806	
AZD27201	NLC-W-NM-PC-S	NAVAJO		12 547000	409300	6000	2	0	1	1	1806	1806	
AZJ10601	NLC-W-LLC-P-N	NAVAJO		12 572000	3983000	6250	2	0	1	2		1807	
AZJ03701	NLC-W-LLC-J-E	NAVAJO		12 576900	3979000	6600	2	0	1	1		1808	
AZD11001	NLC-W-LLC-DO-L	NAVAJO		12 582000	3989200	6200	2	0	1	1		1808	
AZD12101	NLC-W-LLC-DZ-K	NAVAJO		12 567000	3992100	6900	2	0	1	1	1808	1808	
AZD29591	ARIZONA D:11:608	NAVAJO		12 566125	4028450	7001	2	0	1	11		1808	
AZI08601	NLC-W-LLC-C-F	NAVAJO		12 435000	3984000	6400	2	0	1	5	1765	1809	
AZD22801	NLC-W-LLC-UO-H	NAVAJO		12 570000	4008000	6800	2	0	1	1	1809	1809	
AZD23601	NLC-W-LLC-UO-V	NAVAJO		12 559000	4000000	6100	2	0	1	2		1809	
AZJ08101	NLC-W-LLC-MJ-HH	NAVAJO		12 581500	3943700	6200	2	0	1	3	1809	1811	
AZJ08401	NLC-W-LLC-MJ-QQQ	NAVAJO		12 583000	3945000	6500	2	0	1	3	1807	1811	
AZD29396	ARIZONA D:7:4158	NAVAJO		12 554375	4047285	6770	2	0	1	6		1811	
AZD29426	ARIZONA D:12:293	NAVAJO		12 568075	4029050	7040	2	0	1	4		1811	
UTW05001	NLS-N-LSJ-CC-C	NAVAJO		12 610000	4153000	6000	2		1	3		1812	
NMB17939	LA 52932	NAVAJO		13 240892	3989308	6440	2	0	1	4		1812	
AZD29339	ARIZONA D:7:534	NAVAJO		12 562790	4039575	6700	2	0	1	8	1782	1812	
COI00101	RIFLE HOGBACK WIKIUP	Ute	RECENT	13 268000	4383000	6000	2	0	1	1		1813	
AZE04508	NA 9713	NAVAJO	CABEZO	12 636800	4002700	6172	2	0	1	3	1813	1813	
AZK06001	NLC-W-LLC-SM-T	NAVAJO		12 591000	3988000	6900	2	0	1	2		1813	
AZD29366	ARIZONA D:7:4041	NAVAJO		12 555310	4043070	6655	2	0	1	5		1813	
NMB07602	NLC-E-CL-UL-X	NAVAJO	CABEZO	13 267000	410000	6800	2	0	1	2		1814	
AZK03901	NLC-W-LLC-NJ-P	NAVAJO	DECHEL	12 606000	3972000	7400	2	0	1	2	1814	1814	
AZK08102	AZ-P-7-25 (NNCRMP)	NAVAJO	DECHEL	12 659625	3982825	7480	2	0	1	1		1814	
AZC01601	NLC-W-NM-NC-N	NAVAJO	CABEZO	12 475000	4070000	6000	2	0	1	6	1815	1815	1
AZD23901	NLC-W-LLC-UO-BB	NAVAJO		12 576000	4017000	6800	2	0	1	1		1815	
AZD29330	ARIZONA D:7:455	NAVAJO		12 562725	4041525	6820	2	0	1	4	1815	1815	
NMN06001	NLC-S-AS-AC-L	NAVAJO	RECENT	13 261000	3814000	6500	2	0	1	1		1816	
AZJ10101	NLC-W-LLC-NJ-BB	NAVAJO		12 583000	3961000	6400	2	0	1	1	1816	1816	
AZD05901	NA 8607	NAVAJO		12 550000	4050000	7000		0	1	1		1816	
AZD29553	ARIZONA D:11:507	NAVAJO		12 563990	4031550	7020	2	0	1	1		1816	
NMG08941	SITE PM 131, PEN	NAVAJO		12 685010	3941010	6840	2	0	1	1		1817	
AZJ10901	NLC-W-LLC-P-R	NAVAJO		12 569500	3982000	6200	2	0	1	1		1817	
AZJ11301	NLC-W-LLC-TS-B	NAVAJO		12 580300	3974000	6500	2	0	1	1	1817	1817	

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
AZK05501	NLC-E-LLC-SM-I	NAVAJO		12 597000	3986000	6900	2	0	1	1		1817	
AZD13001	NLC-W-LLC-HT-D	NAVAJO		12 581800	3990200	6400	2	0	1	2	1817	1817	
AZD16301	NLC-W-LLC-M-D10	NAVAJO		12 525000	4005000	6200	2	0	1	3		1817	
AZD22901	NLC-W-LLC-UO-O	NAVAJO		12 562000	4004000	6300	2	0	1	2	1728	1817	
AZD29323	ARIZONA D:7:313	NAVAJO		12 562560	4039750	6698	2	0	1	5	1817	1817	
NMG06401	NLC-S-ULC-ZR-EE	NAVAJO	CABEZO	12 740000	3885000	6800	2	0	1	2	1812	1818	
AZC01801	NLC-W-NM-NC-O	NAVAJO	CABEZO	12 471000	4070000	6000	2	0	1	1		1818	
AZD30792	ARIZONA D:11:4350	NAVAJO		12 555360	4035775	6360	2	0	1	4		1818	
UTW05801	NLC-N-LSJ-MC-JJ	NAVAJO		12 648000	4172000	6400	2		1	1		1819	
NMG08956	LA 12818	NAVAJO		12 685000	3947000	7200	2	0	1	1		1819	
NMG08939	SITE PM 124, HOGAN	NAVAJO		12 685000	3941000	6840	2	0	1	1		1820	
AZE05206	NRM-67 (NPS)	NAVAJO		12 650370	4013240	6940	2	0	1	1		1820	
AZE05222	PEN-47 (NPS)	NAVAJO		12 646910	4001910	6760	2	0	1	1		1820	
NMN03701	NLC-S-AS-GB-P	NAVAJO	CABEZO	12 268000	3785000	7600	2	0	1	1		1821	
NMN07601	NLC-E-RP-CM-B	NAVAJO	CABEZO	13 238000	3845000	8200	2	0	1	1		1821	
AZK05801	NLC-W-LLC-SM-P	NAVAJO		12 595000	3987000	6900	2	0	1	1		1821	
AZK08138	NF-139 (NAV FP)	NAVAJO	DECHEL	12 653240	3957620	7390	2	0	1	1		1821	
AZD30102	AZ-J-53-2 (NNCRMP)	NAVAJO		12 548550	3999880	6240	2	0	1	2		1821	
NMM02401	NLC-S-ULC-EM-G	NAVAJO		12 730000	3785000	8000	2	0	1	4		1823	
NMB17944	LA 52964	NAVAJO		13 241238	3989035	6440		0		1		1823	
AZI09401	NLC-W-LLC-C-T	NAVAJO		12 429500	3972500	7050	2	0	1	1		1823	
AZI113101	NLC-W-LLC-MISC	NAVAJO		12 500000	3950000	6000		0		1		1823	
UTW04701	NLC-N-LSJ-BE-A	NAVAJO		12 600000	4164000	8000	2		1	1		1824	
AZI110401	NLC-W-LLC-C-MM	NAVAJO		12 429000	3970000	7000	2	0	1	7		1824	1
AZD09901	NLC-W-LLC-BC-S	NAVAJO		12 581900	3991000	6300	2	0	1	1		1824	
UTV05801	NLC-N-LSJ-GG-A	NAVAJO		12 567000	4139000	5200	2		1	1		1825	
AZD19201	NLC-W-LLC-MD-KKK	NAVAJO		12 553000	4008000	6000	2	0	1	1		1825	
AZJ08001	NLC-W-LLC-MJ-II	NAVAJO		12 581000	3944000	6300	2	0	1	4	1817	1826	
AZK06101	NLC-W-LLC-SM-U	NAVAJO		12 590000	3991000	7000	2	0	1	1		1826	
AZK08129	NF-145 (NAV FP)	NAVAJO	DECHEL	12 653220	3957560	7390	2	0	1	1		1826	
AZE04501	AZ-I-43-23 (NNCRMP)	NAVAJO	CABEZO	12 650600	4020200	6840	2	0	1	7		1827	
AZD29361	ARIZONA D:7:427	NAVAJO		12 550475	4046340	6750	2	0	1	1		1827	
AZI08401	NLC-W-LLC-C-D	NAVAJO		12 429000	3981000	6500	2	0	1	14		1828	
AZI110101	NLC-W-LLC-C-CC	NAVAJO		12 430100	3972000	7400	2	0	1	2	1795	1828	
AZJ03401	NLC-W-LLC-J-B	NAVAJO		12 578000	3978100	6700	2	0	1	2		1828	
AZD30248	ARIZONA D:11:1300	NAVAJO		12 566850	4031125	6978	2	0	1	2		1828	
AZE05211	NRM-85 (NPS)	NAVAJO		12 651340	4013850	7075	2	0	1	1		1829	
NMI07001	PAJARITO GROUP 118	PUEBLO	P4	13 385000	3978000	7400	1	0	1	1	1830	1830	
AZE05317	C63-125 (BIA)	NAVAJO	RECENT	12 681000	4002000	8700	2	0	1	1		1830	
AZI110601	NLC-W-LLC-C-00	NAVAJO	GOBERN	12 431000	3960000	6000	2	0	1	29	1756	1830	2
AZK08135	NF-125 (NAV FP)	NAVAJO	DECHEL	12 653800	3957520	7430	2	0	1	2		1830	
AZI08901	NLC-W-LLC-C-I	NAVAJO		12 420500	3979000	6600	2	0	1	1		1832	
AZD30283	ARIZONA D:11:4057	NAVAJO		12 550675	4028300	6400	2	0	1	12	1816	1832	
NMM05001	NLC-S-ULC-EM-AA	NAVAJO		12 705000	3810000	6800	2	0	1	8	1833	1833	
AZI08301	NLC-W-LLC-C-C	NAVAJO		12 425000	3980100	6600	2	0	1	3	1833	1833	
AZI110001	NLC-W-LLC-C-AA	NAVAJO		12 429500	3945000	6400	2	0	1	1		1833	
AZD29331	ARIZONA D:7:456	NAVAJO		12 562700	4041300	6775	2	0	1	2	1812	1833	
AZD30765	ARIZONA D:11:4269	NAVAJO		12 553975	4035350	6420	2	0	1	9	1833	1833	
NMM04401	NLC-S-ULC-CZ-A	NAVAJO	RECENT	12 710000	3825000	7000	2	0	1	20		1834	
AZE05236	NAVAJO FORTRESS	NAVAJO	PUEBLI	12 637600	4002450	6040	2	0	1	3		1834	
AZD20601	NLC-W-LLC-UD-D	NAVAJO		12 569000	4032000	6900	2	0	1	1		1834	

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
AZD19301	NLC-W-LLC-MO-L	NAVAJO		12 548000	3989900	6100	2	0	1	1	1835	1835	
AZD29320	ARIZONA D:7:283	NAVAJO		12 557760	4041910	6978	2	0	1	3		1835	
NMN05101	NLC-S-AS-L-J	NAVAJO	CABEZO	13 308000	381000	7000	2	0	1	4		1836	
AZD30229	ARIZONA D:11:1024	NAVAJO	DECHEL	12 564390	4038900	6918	2	0	1	2	1836	1836	1
NMG03801	NLC-S-ULC-ZR-B	NAVAJO		12 720000	3881000	7000	2	0	1	1	1837	1837	
NMN04601	NLC-S-AS-GB-AA	NAVAJO	CABEZO	13 275000	3800000	7000	2	0	1	1		1837	
AZD30225	ARIZONA D:11:922	NAVAJO		12 550660	4028620	6400	2	0	1	10		1837	
UTW05701	NLC-N-LSJ-MC-II	NAVAJO		12 664000	4186000	6800	2		1	9	1813	1838	
AZD29507	ARIZONA D:11:365	NAVAJO	DECHEL	12 565900	4036890	6900	2	0	1	3	1838	1838	1
AZD29510	ARIZONA D:11:370	NAVAJO		12 567135	4037000	7060	2	0	1	4	1838	1838	
AZI08501	NLC-W-LLC-C-E	NAVAJO		12 422000	3975000	6500	2	0	1	8	1798	1839	
NMG08920	SITE NL-229	NAVAJO		12 693000	3936000	6500	2	0	1	1		1840	
NMH03001	NLC-E-RP-MP-E	NAVAJO	CABEZO	13 305900	3879800	6100	2	0		4	1840	1840	
NMB13801	NLC-E-UC-C-O	NAVAJO	CABEZO	12 290000	3990000	7000	2	0	1	2	1840	1840	
AZJ03801	NLC-W-LLC-J-H	NAVAJO		12 575700	3978500	6600	2	0	1	2		1840	
AZD29349	ARIZONA D:7:722	NAVAJO		12 554890	4041940	6615	2	0	1	18		1840	
AZD29380	ARIZONA D:7:4088	NAVAJO	DECHEL	12 554795	4047660	6840	2	0	1	10	1839	1840	1
AZD29574	ARIZONA D:11:558	NAVAJO	DECHEL	12 566250	4029550	7040	2	0	1	29	1840	1840	1
AZE05221	PEN-35 (NPS)	NAVAJO		12 651680	4011125	7275	2	0	1	1		1841	
AZ003401	NLC-S-MLC-CD-G	NAVAJO	RECENT	12 480000	3870000	6500	2	0	1	1		1842	
AZK08137	NF-135 (NAV FP)	NAVAJO	DECHEL	12 653530	3957520	7400	2	0	1	1		1842	
AZD21201	NLC-W-LLC-UD-W	NAVAJO		12 562000	4018000	6700	2	0	1	1		1842	
NMH03101	NLC-E-RP-MP-F	NAVAJO	CABEZO	13 306000	3878000	6300	2	0		3	1843	1843	
AZI13601	NA 11142	NAVAJO		12 420100	3943500	7400	2	0	1	2		1843	
AZD11501	NLC-W-LLC-DZ-B	NAVAJO		12 567500	3992000	7000	2	0	1	1		1843	
AZD20401	NLC-W-LLC-UD-A	NAVAJO		12 573200	4034000	7100	2	0	1	1		1843	
AZD30276	ARIZONA D:11:4041	NAVAJO		12 552650	4031690	6410	2	0	1	3		1843	
NMB14301	NLC-E-CL-UL-B	NAVAJO	RECENT	13 278000	4017000	6800	2	0	1	1		1844	
NMB17907	LA 52721	NAVAJO		13 242082	3988806	6500		0		1		1844	
AZE04502	AZ-I-43-22 (NNCRMP)	NAVAJO	CABEZO	12 650600	4020500	6760	2	0	1	3	1844	1844	1
AZD10001	NLC-W-LLC-BC-T	NAVAJO	DECHEL	12 580200	3990300	6600	2	0	1	4	1844	1844	
AZD10801	NLC-W-LLC-DO-H	NAVAJO		12 581900	3989000	6400	2	0	1	1		1844	
NMN08001	NLC-E-RP-CM-F	NAVAJO	CABEZO	13 232000	3834000	8200	2	0	1	9	1845	1845	1
UTW05601	NLC-N-LSJ-MC-HH	NAVAJO		12 655000	4174000	6400	2		1	1		1846	
NMN01901	NLC-S-AS-D-B	NAVAJO	RECENT	13 228000	3793000	8200	2	0	1	1		1846	
NMN08401	NLC-E-RP-CM-J	NAVAJO		13 227000	3835000	7600	2	0	1	2		1846	
NMB17940	LA 52975	NAVAJO		13 240826	2988730	6580		0		1		1846	
AZD10101	NLC-W-LLC-BC-X	NAVAJO		12 583900	3991000	6700	2	0	1	3		1846	
AZD22101	NLC-W-LLC-UD-PP	NAVAJO		12 569000	4033000	7000	2	0	1	1	1846	1846	
AZD29526	ARIZONA D:11:422	NAVAJO		12 564775	4037005	6738	2	0	1	3	1846	1846	
AZE05319	C63-143 (BIA)	NAVAJO	RECENT	12 681000	4000700	8200	2	0	1	1		1847	
NMN07001	NLC-S-AS-AC-W	NAVAJO	CABEZO	13 251000	3811000	7600	2	0	1	3		1848	
AZD26701	NLC-W-NM-PC-N	NAVAJO		12 535000	4090000	6000	2	0	1	2		1848	
UTW05101	NLS-N-LSJ-CC-D	NAVAJO	RECENT	12 611000	4152000	6000	2		1	7	1843	1849	
AZJ05101	NLC-W-LLC-MB-G	NAVAJO		12 572000	3941000	6000	2	0	1	3	1819	1849	
AZD20501	NLC-W-LLC-UD-B	NAVAJO		12 574100	4039000	7300	2	0	1	1		1849	
AZD30813	U-2	NAVAJO		12 500000	4030000	6000		0		1		1849	
NMC03102	SITE AR-33	NAVAJO	CABEZO	13 371100	4014000	6300	2	0	1	2		1850	
NMJ01101	NAMBE	TEWA	P4-P5	13 412957	3971601	6080	2	0	1	1		1850	
NMM04901	NLC-S-ULC-EM-Z	NAVAJO		12 720000	3810000	7000	2	0	1	9	1701	1850	
NMB13701	NLC-E-C-UC-J	NAVAJO	CABEZO	12 275000	3990000	6900	2	0	1	4	1849	1850	

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AZE05223	PEN-61 (NPS)	NAVAJO		12 651650	4016450	6940	2	0	1	1		1850	
AZD09801	NLC-W-LLC-BC-Q	NAVAJO		12 581800	3993500	6600	2	0	1	1		1850	
AZD24501	NLC-W-LLC-UO-KK	NAVAJO		12 578000	4012000	6600	2	0	1	1	1850	1850	
AZD25901	NLC-W-LLC-WE-O	NAVAJO		12 562000	3989500	6300	2	0	1	1		1850	
AZD29351	ARIZONA D:7:1107	NAVAJO		12 550610	4045525	6700	2	0	1	2		1850	
AZD29468	ARIZONA D:11:242	NAVAJO		12 564200	4038810	6820	2	0	1	4	1850	1850	
NMN00502	LP 2:13A	PUEBLO		13 240000	3868000	6800	2	S	1	28	1812	1850	
NMG08910	SITE NL-114	NAVAJO		12 685000	3939000	6500	2	0	1	1		1852	
NMB17950	CHACO D9 (NPS)	NAVAJO		13 255850	3982400	6540	2	0	1	4		1852	
AZD29482	ARIZONA D:11:282	NAVAJO		12 563050	4027575	7001	2	0	1	2		1852	
NMG11301	LA 61964	NAVAJO	RECENT	12 691930	396670	6760	2	0	1	1		1853	
AZD09601	NLC-W-LLC-BC-L	NAVAJO	DECHEL	12 581200	3993200	6500	2	0	1	2	1853	1853	
NMG01501	PINEDALE AREA	NAVAJO		12 732000	3942000	7500	2	0	1	3		1854	
NMG08928	SITE PM 12, HOGAN	NAVAJO		12 689000	3943000	7150	2	0	1	1		1854	
AZI12501	NLC-W-LLC-SF-O	NAVAJO		12 470000	3900000	5750	2	0	1	1		1854	
AZJ03501	NLC-W-LLC-J-C	NAVAJO		12 577500	3978900	6700	2	0	1	2		1854	
AZD10501	NLC-W-LLC-DO-E	NAVAJO		12 582000	3989400	6200	2	0	1	1		1854	
AZD22401	NLC-W-LLC-UO-C	NAVAJO		12 577000	4015000	6900	2	0	1	2		1854	
NMG08903	SITE PM 26, HOGAN	NAVAJO		12 686000	3948000	7000	2	0	1	1		1855	
NMG08940	SITE PM 125, HOGAN	NAVAJO		12 685020	3941020	6840	2	0	1	1		1855	
AZJ10001	NLC-W-LLC-NJ-AA	NAVAJO		12 584000	3962000	6500	2	0	1	1	1855	1855	
NMG03502	NLC-S-ULC-UP-T	NAVAJO	CABEZO	12 687000	3895000	6890	2	0	1	5		1856	1
NMG08922	SITE NL-239	NAVAJO		12 691000	3936000	6500	2	0	1	1		1856	
NMH00101	BIG BEAD MESA	PUEBLITO	GOBERN	13 299000	3929000	6800	2	0	1	33	1766	1856	1
NMH02901	NLC-E-RP-MP-B	NAVAJO	CABEZO	13 304000	3908000	6600	2	0		3	1856	1856	
AZE05207	NRM-68 (NPS)	NAVAJO	CABEZO	12 650460	4013260	6940	2	0	1	2	1856	1856	
AZJ11701	NLC-W-LLC-TS-H	NAVAJO	DECHEL	12 580800	3970400	6500	2	0	1	3	1856	1856	1
AZK08128	NF-141 (NAV FP)	NAVAJO	DECHEL	12 653230	3957700	7390	2	0	1	2	1856	1856	
AZK08170	NFPI-16-19 (NAV FP)	NAVAJO	DECHEL	12 641000	3963000	6500	2	0	1	8	1856	1856	
AZD21001	NLC-W-LLC-UD-H	NAVAJO		12 570400	4031000	7300	2	0	1	2		1856	
AZD21101	NLC-W-LLC-UD-I	NAVAJO		12 570600	4025000	7100	2	0	1	1		1856	
AZD29375	ARIZONA D:7:4057	NAVAJO		12 551950	4041760	6515	2	0	1	1	1856	1856	
NMG03602	NLC-S-ULC-UP-U	NAVAJO	CABEZO	12 687000	3896000	6900	2	0	1	4		1857	
NMG04901	NLC-S-ULC-ZR-DD	NAVAJO	CABEZO	12 700000	389000	6500	2	0	1	5		1857	
NMB17919	LA 52883	NAVAJO	RECENT	13 240346	3988811	6690	2	0	1	1		1857	
AZE05314	C63-35 (BIA)	NAVAJO	RECENT	12 689000	4001700	8500	2	0	1	1		1857	
AZD19801	NLC-W-NM-OC-B	NAVAJO		12 559500	4085000	5500	2	0	1	1		1857	
AZD24101	NLC-W-LLC-UO-FF	NAVAJO	DECHEL	12 574000	4011000	6400	2	0	1	2	1857	1857	1
AZD30805	ARIZONA D:11:756	NAVAJO		12 552110	4018650	6640	2	0	1	6		1857	
COV13701	NLC-N-MSJ-MR-G	Navajo		12 716000	4105000	5700	2	0	1	1		1858	
AZE05229	PEN-125 (NPS)	NAVAJO		12 644210	4003300	6630	2	0	1	1		1858	
AZI09901	NLC-W-LLC-C-Z	NAVAJO		12 431000	3933000	6500	2	0	1	1		1858	
AZJ04801	NLC-W-LLC-LM-M	NAVAJO		12 588000	3979500	6600	2	0	1	2	1807	1858	
AZJ08801	NLC-W-LLC-MJ-WWW	NAVAJO		12 582000	3942000	6300	2	0	1	1	1858	1858	
AZJ09401	NLC-W-LLC-NJ-F	NAVAJO		12 582000	3968800	6700	2	0	1	3	1858	1858	
AZJ09701	NLC-W-LLC-NJ-N	NAVAJO		12 589000	3970100	6800	2	0	1	2	1858	1858	
AZJ11401	NLC-W-LLC-TS-D	NAVAJO		12 582300	3977000	6900	2	0	1	2	1853	1858	
AZK08107	AZ-P-7-42 (NNCRMP)	NAVAJO	DECHEL	12 660650	3980650	7725	2	0	1	1	1858	1858	
AZD10601	NLC-W-LLC-DO-F	NAVAJO		12 582000	3989800	6300	2	0	1	2		1858	
AZD12301	NLC-W-LLC-DZ-M	NAVAJO	DECHEL	12 566700	3991200	6700	2	0	1	4	1852	1858	
AZD30771	ARIZONA D:11:4297	NAVAJO		12 549850	4037780	6520	2	0	1	3	1858	1858	

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NMB09001	LA 2127	NAVAJO	RECENT	13 283585	4062890	6360	1	0	1	2		1859	
AZE05208	NRM-69 (NPS)	NAVAJO	RECENT	12 644620	4006340	6775	2	0	1	1		1859	
AZD29592	ARIZONA D:11:609	NAVAJO		12 567250	4028375	7001	2	0	1	7		1859	
AZD30735	ARIZONA D:11:4197	NAVAJO		12 552530	4039050	6517	2	0	1	2	1859	1859	
NMC03103	SITE AR-132	TEWA	RECENT	13 371200	4014000	6300	2	0	1	1	1860	1860	
AZE05310	C63-4 (BIA)	NAVAJO	RECENT	12 688000	3995000	8800	2	0	1	1		1860	
AZJ10501	NLC-W-LLC-OP-U	NAVAJO		12 576000	3969000	6400	2	0	1	1	1860	1860	
AZK06401	NLC-W-LLC-SM-X	NAVAJO		12 590500	3988000	6800	2	0	1	2	1766	1860	
AZD11401	NLC-W-NM-PC-U	NAVAJO		12 566000	4090000	6000	2	0	1	6	1845	1860	
AZD17001	NLC-W-LLC-M-E8	NAVAJO	DECHEL	12 513000	4035000	6500	2	0	1	8	1859	1860	1
AZD17101	NLC-W-LLC-M-E9	NAVAJO		12 510000	4040000	6500	2	0	1	4	1860	1860	
AZD29585	ARIZONA D:11:598	NAVAJO		12 566090	4031300	6985	2	0	1	7	1860	1860	
NMN03901	NLC-S-AS-GB-S	NAVAJO	CABEZO	13 286000	3796000	7500	2	0	1	6		1861	
NMD01801	TVSS 64	APACHE	RECENT	13 449900	4013450	7680	2	0		5	1862	1862	1
AZC01701	NLC-W-NM-NC-P	NAVAJO	RECENT	12 470000	4070000	6000	2	0	1	1		1862	
AZI08201	NLC-W-HC-LH-I	NAVAJO		12 382000	3973000	5980	2	0	1	3		1862	
AZK08177	NFPI-10-008 (NAV FP)	NAVAJO		12 655000	3955000	7200	2	0	1	1		1862	
AZD29413	ARIZONA D:12:215	NAVAJO		12 567595	4037900	7080	2	0	1	12	1793	1862	1
NMM03701	NLC-S-ULC-ZR-E	NAVAJO	CABEZO	12 740000	3860007	7500	2	0	1	21	1839	1863	1
NMN08501	NLC-E-RP-CM-K	NAVAJO		13 230000	3838000	7400	2	0	1	3	1793	1863	
AZB00201	GRAND CANYON HOGAN	NAVAJO	RECENT	12 402000	3989000	7000	2	0	1	2	1863	1863	
AZE02401	CANYON DE CHELLY	NAVAJO	RECENT	12 650000	3998000	7000	2	0	1	8		1864	1
AZK08152	NFPI-24-38 (NAV FP)	NAVAJO		12 650000	3980000	7200	2	0	1	3		1864	
AZD26901	NLC-W-NM-PC-P	NAVAJO		12 546000	4089000	6000	2	0	1	2	1863	1864	
AZD29329	ARIZONA D:7:453	NAVAJO		12 562570	4041580	6777	2	0	1	1		1864	
AZD29310	ARIZONA D:7:230	NAVAJO		12 561410	4040190	6698	2	0	1	1		1865	
AZD29336	ARIZONA D:7:504	NAVAJO		12 563020	4041970	6820	2	0	1	4	1775	1865	
AZD29421	ARIZONA D:12:233	NAVAJO		12 568100	4028300	7040	2	0	1	5		1865	
AZD30796	ARIZONA D:11:878	NAVAJO		12 561005	4030730	6890	2	0	1	1	1865	1865	
NMG03001	NLC-S-ULC-UP-B	NAVAJO		12 711000	3925000	7200	2	0	1	1		1866	
AZK08111	NF-11-57 (NAV FP)	NAVAJO	RECENT	12 659366	3962317	7730	2	0		1		1866	
AZK08140	NFPI-9-14 (NAV FP)	NAVAJO	RECENT	12 646000	3967000	7200	2	0	1	2		1866	
AZD25001	NLC-W-LLC-UO-PP	NAVAJO		12 574000	4006000	6900	2	0	1	1	1866	1866	
AZD29356	ARIZONA D:7:4007	NAVAJO		12 552360	4039910	6740	2	0	1	1		1866	
NMG08933	SITE PM 39, HOGAN	NAVAJO		12 682000	3944500	6800	2	0	1	2		1867	
AZH02301	NLC-W-HC-LH-JJ	NAVAJO	RECENT	12 401000	3970000	6400	2	0	1	3	1866	1867	
AZK04601	NLC-E-LLC-NJ-FF	NAVAJO	DECHEL	12 600000	3970000	6500	2	0	1	2	1857	1867	
AZK08136	NF-133 (NAV FP)	NAVAJO	RECENT	12 653490	3957400	7390	2	0	1	2	1867	1867	
AZD25501	NLC-W-LLC-WE-H	NAVAJO		12 566600	3989000	6400	2	0	1	1		1867	
AZD29368	ARIZONA D:7:4044	NAVAJO	DECHEL	12 556500	4044320	6675	2	0	1	14	1859	1867	1
NMG08904	SITE PM 30, HOGAN	NAVAJO		12 687000	3939000	6900	2	0	1	1		1868	
NMG08934	SITE PM 40, STORAGE	NAVAJO		12 684000	3944000	6750	2	S	1	1		1868	
NMN02801	NLC-S-AS-GB-E	NAVAJO	CABEZO	13 261000	3797000	8000	2	0	1	6		1868	
AZK04401	NLC-W-LLC-NJ-DD	NAVAJO	RECENT	12 604000	3973000	6700	2	0	1	1	1868	1868	
AZD08901	NLC-W-LLC-BC-C	NAVAJO	RECENT	12 581000	3990100	6300	2	0	1	3	1868	1868	1
AZD30707	ARIZONA D:11:4106	NAVAJO		12 552190	4027175	6458	2	0	1	6		1868	
NMG08905	SITE NL-143	NAVAJO		12 690000	3940000	6500	1	S		2		1869	
NMG08907	SITE NL-35	NAVAJO		12 688000	3939000	6500	2	0	1	2		1869	
NMN04801	NLC-S-AS-GB-DD	NAVAJO	RECENT	13 276000	3800000	7000	2	0	1	1		1869	
NMN05901	NLC-S-AS-AC-K	NAVAJO	RECENT	13 269000	3825000	6600	2	0	1	1		1869	
NMB17912	LA 52704	NAVAJO		13 242227	3988915	6470		0		1		1869	



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AZI09201	NLC-W-LLC-C-R	NAVAJO		12 428500	3973500	6800	2	0	1	2	1865	1869	
AZK08113	NF-11-65 (NAV FP)	NAVAJO	RECENT	12 656829	3963386	7640	2	0		2	1869	1869	
AZD08801	NLC-W-LLC-BC-B	NAVAJO	RECENT	12 581000	3990000	6300	2	0	1	3	1868	1869	1
AZD09401	NLC-W-LLC-BC-J	NAVAJO	RECENT	12 581500	3990800	6700	2	0	1	2	1869	1869	1
AZD30781	ARIZONA D:11:4325	NAVAJO		12 549090	4038325	6577	2	0	1	1	1869	1869	
NMG08916	SITE NL-203	NAVAJO		12 686000	3938000	6500	2	0	1	1		1870	
NMG08950	SITE PM 268	NAVAJO		12 686000	3947000	7365	2	0	1	1		1870	
NMN07301	NLC-S-AS-AC-Z	NAVAJO	CABEZO	13 260000	3833000	6700	2	0	1	7	1854	1870	
AZI12201	NLC-W-LLC-SF-L	NAVAJO		12 457000	3902500	6500	2	0	1	2	1870	1870	
AZK08112	NF-11-60 (NAV FP)	NAVAJO	RECENT	12 656536	3963207	7600	2	0	1	1	1870	1870	
AZK08151	NFPI-24-37 (NAV FP)	NAVAJO		12 649000	3982000	7200	2	0	1	2		1870	
AZD09501	NLC-W-LLC-BC-K	NAVAJO		12 581400	3994300	6600	2	0	1	2	1870	1870	
NMI04901	LA 42	PUEBLO	P5	13 390300	3969400	6410	2	0		5		1871	
AZE04509	NA 9718	NAVAJO	RECENT	12 647400	4014900	6805	2	0	1	8	1866	1871	1
AZD16601	NLC-W-LLC-M-D13	NAVAJO		12 526000	4015000	6500	2	0	1	8	1846	1871	
AZD29340	ARIZONA D:7:544	NAVAJO		12 564985	4039825	6810	2	0	1	1		1871	
AZD29457	ARIZONA D:11:205	NAVAJO		12 566950	4036075	6939	2	0	1	8	1870	1871	1
AZD30766	ARIZONA D:11:4271	NAVAJO	RECENT	12 555340	4036200	6487	2	0	1	7		1871	2
AZD30777	ARIZONA D:11:4321	NAVAJO		12 549660	4037475	6460	2	0	1	1		1871	
COV13801	NLC-N-MSJ-MR-H	Navajo		12 721000	4117000	6700	2	0	1	6		1872	
NMG08924	SITE NL-284	NAVAJO		12 693000	3937000	6500	2	0	1	3		1872	
NMN07101	NLC-S-AS-AC-X	NAVAJO	RECENT	13 268000	3822000	7500	2	0	1	1		1872	
AZE05302	BLR-3 (NNCRMP)	NAVAJO	RECENT	12 643710	4001610	5920	2	0	1	2	1866	1872	
AZD12901	NLC-W-LLC-HT-C	NAVAJO	RECENT	12 581100	3990000	6200	2	0	1	9	1841	1872	1
UTW05501	NLC-N-LSJ-WC-D	NAVAJO		12 583000	4156000	6000	2		1	7	1789	1873	
AZE05303	BLR-18 (NNCRMP)	NAVAJO	RECENT	12 641810	4001640	5920	2	0	1	2	1867	1873	
AZD24001	NLC-W-LLC-UO-DD	NAVAJO		12 575000	4018000	7000	2	0	1	2		1873	
AZD29354	ARIZONA D:7:4004	NAVAJO		12 555750	4044965	6655	2	0	1	1		1873	
NMG08931	SITE PM 28, HOGAN	NAVAJO		12 681000	3943000	6890	2	0	1	1		1874	
NMN05801	NLC-S-AS-AC-H	NAVAJO	RECENT	13 279000	3819000	5900	2	0	1	2		1874	
AZE05201	NRM-45 (NPS)	NAVAJO	RECENT	12 649020	4015290	6950	2	0	1	1		1874	
AZK08126	NF-131 (NAV FP)	NAVAJO	RECENT	12 653000	3958000	7400	2	0	1	5	1871	1874	
AZK08132	NF-102 (NAV FP)	NAVAJO	RECENT	12 654100	3958580	7400	2	0	1	2	1874	1874	1
AZD10401	NLC-W-LLC-DO-D	NAVAJO		12 581900	3989000	6300	2	0	1	1		1874	
AZD11201	NLC-W-LLC-DO-P	NAVAJO	RECENT	12 582500	3990600	6500	2	0	1	2	1869	1874	
AZD13301	NLC-W-LLC-DO-Z	NAVAJO	RECENT	12 581900	3990800	6300	2	0	1	3		1874	
COV13501	NLC-N-MSJ-MR-D	Navajo		12 714000	4100000	6300	2	0	1	3	1873	1875	
NMN08901	NLC-E-RP-CM-Q	NAVAJO	RECENT	13 241000	3870000	7000	2	0	1	1		1875	
NMB17943	LA 52962	NAVAJO	RECENT	13 241085	3988767	6500	2	0	1	2	1868	1875	
AZI12001	NLC-W-LLC-SF-K	NAVAJO		12 473000	3909400	5600	2	0	1	2		1875	
AZJ06401	NLC-W-LLC-MB-PP	NAVAJO		12 579100	3933500	6100	2	0	1	2	1875	1875	1
AZK08115	NF-143 (NAV FP)	NAVAJO	RECENT	12 653180	3957680	7390	2	0	1	5	1855	1875	
AZD11701	NLC-W-LLC-DZ-D	NAVAJO	RECENT	12 56700	3991600	6700	2	0	1	3	1874	1875	
AZD13701	NLC-W-LLC-M-E	NAVAJO		12 56000	4040000	6600	2	0	1	2	1805	1875	
AZD29506	ARIZONA D:11:364	NAVAJO		12 565120	4037100	6856	2	0	1	11	1856	1875	
AZD29548	ARIZONA D:11:495	NAVAJO		12 563200	4035800	6800	2	0	1	2	1875	1875	
NMM04201	NLC-S-ULC-ZR-W	NAVAJO		12 715000	3850000	7000	2	0	1	4	1876	1876	
NMN02201	NLC-S-AS-D-E	NAVAJO	RECENT	13 235000	3796000	9000	2	0	1	1		1876	
NMN07201	NLC-S-AS-AC-Y	NAVAJO	CABEZO	13 259000	3839000	7600	2	0	1	8	1858	1876	
AZE05212	NRM-98 (NPS)	NAVAJO	RECENT	12 654290	4013610	7075	2	0	1	1		1876	
AZJ07501	NLC-W-LLC-MJ-H	NAVAJO		12 571800	3951400	6000	2	0	1	1		1876	

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AZK08120	NF-61 (NAV FP)	NAVAJO	RECENT	12	655420	3952320	7450	2	0	1	3	1876	1876	1
AZK08160	NFPI-16-22 (NAV FP)	NAVAJO	RECENT	12	642000	3966000	6500	2	0	1	6	1876	1876	1
AZD29450	ARIZONA D:11:67	NAVAJO		12	552530	4035660	6600	2	0	1	3		1876	
AZD29495	ARIZONA D:11:315	NAVAJO		12	561070	4037250	6590	2	0	1	11	1862	1876	1
NMM04101	NLC-S-ULC-ZR-S	NAVAJO	RECENT	12	730000	3860000	7500	2	0	1	1		1877	
NMN05601	NLC-S-AS-AC-F	NAVAJO	RECENT	13	274000	3820000	6400	2	0	1	2	1877	1877	
NMN08601	NLC-E-RP-CM-L	NAVAJO		13	241000	3841000	7600	2	0	1	2	1877	1877	
AZE05311	C63-16 (BIA)	NAVAJO	RECENT	12	685000	4004000	8500	2	0	1	1		1877	
AZD20901	NLC-W-LLC-UD-G	NAVAJO		12	563000	4031000	6800	2	0	1	2		1877	
AZD25301	NLC-W-LLC-UO-TT	NAVAJO		12	578000	4014000	6900	2	0	1	1	1877	1877	
AZD29446	ARIZONA D:11:6	NAVAJO		12	552625	4036090	6576	1	S	1	2		1877	
AZD29527	ARIZONA D:11:423	NAVAJO		12	564400	4036915	6800	2	0	1	5		1877	
AZD30299	ARIZONA D:11:4093	NAVAJO		12	554675	4033800	6498	2	0	1	3	1858	1877	
NMG08945	SITE PM 225, HOGAN	NAVAJO		12	688000	3946500	6970	2	0	1	2		1878	
NMB17909	LA 52699	NAVAJO	RECENT	13	241983	3988494	6450	2	0	1	1		1878	
AZE05313	C63-31 (BIA)	NAVAJO	RECENT	12	684000	4007000	8700	2	0	1	2		1878	
AZG00101	NA 2424	WALAPAI	RECENT	12	310000	3950000	6000	2	0		1	1878	1878	
AZJ07301	NLC-W-LLC-MJ-A7	NAVAJO		12	569000	3950700	5900	2	0	1	2	1873	1878	
AZJ07401	NLC-W-LLC-MJ-G	NAVAJO		12	571500	3951200	5950	2	0	1	2		1878	
AZJ08201	NLC-W-LLC-MJ-XX	NAVAJO		12	563000	3945000	5750	2	0	1	1	1878	1878	
AZK08125	NF-106 (NAV FP)	NAVAJO	RECENT	12	649000	3957000	7200	2	0	1	2	1878	1878	
AZD13201	NLC-W-LLC-DO-V	NAVAJO		12	581300	3990100	6300	2	0	1	1	1878	1878	
AZD14101	NLC-W-LLC-M-B24	NAVAJO	RECENT	12	514000	3995000	5900	2	0	1	3	1878	1878	1
AZD19601	NLC-W-NM-NC-F	NAVAJO		12	512000	4060000	7200	2	0	1	1		1878	
AZD30209	ARIZONA D:11:669	NAVAJO		12	566950	4032750	7040	2	0	1	9		1878	
AZD30274	ARIZONA D:11:4039	NAVAJO		12	552790	4032520	6366	2	0	1	2	1878	1878	
COV13601	NLC-N-MSJ-MR-E	Navajo		12	715000	4100000	6300	2	0	1	3		1879	
NMN03601	NLC-S-AS-GB-0	NAVAJO	RECENT	13	272000	3796000	7200	2	0	1	3		1879	
AZK05301	NLC-E-LLC-SM-G	NAVAJO	RECENT	12	594000	3986000	6900	2	0	1	1	1879	1879	
AZK08122	NF-115 (NAV FP)	NAVAJO	RECENT	12	654240	3956460	7440	2	0	1	3	1877	1879	1
AZK08145	NFPI-9-48 (NAV FP)	NAVAJO		12	648000	3961000	7200	2	0	1	2	1879	1879	
AZK08155	NFPI-24-59 (NAV FP)	NAVAJO		12	650000	3981000	7200	2	0	1	2		1879	
AZD22201	NLC-W-LLC-UO-A	NAVAJO		12	583000	4026000	7000	2	0	1	1		1879	
AZD29428	ARIZONA D:12:241	NAVAJO		12	568225	4030775	7160	2	0	1	3		1879	
AZD30237	ARIZONA D:11:1132	NAVAJO		12	567000	4035805	7001	2	0	1	3		1879	
AZD30242	ARIZONA D:11:1224	NAVAJO		12	562310	4033100	6918	2	0	1	2		1879	
NMN05701	NLC-S-AS-AC-G	NAVAJO	RECENT	13	278000	3815000	6000	2	0	1	3	1877	1880	
AZJ08901	NLC-W-LLC-MJ-XXX	NAVAJO		12	571000	3942000	0	2	0	1	1		1880	
AZD29357	ARIZONA D:7:4008	NAVAJO		12	555980	4044750	6615	2	0	1	7		1880	
AZD29511	ARIZONA D:11:371	NAVAJO		12	566800	4037000	7020	2	0	1	5	1870	1880	
NMG08937	SITE PM 80, HOGAN	NAVAJO	RECENT	12	684000	3941000	6890	2	0	1	3	1881	1881	1
NMN02101	NLC-S-AS-D-D	NAVAJO	CABEZO	13	234000	3790000	7500	2	0	1	8	1837	1881	
NMN09501	NLC-E-RP-LP-E	NAVAJO	RECENT	13	298000	3846000	7000	2	0	1	2	1878	1881	
NMB16702	NLC-E-CL-UL-GG	NAVAJO	RECENT	13	301000	4037000	6500	2	0		4	1854	1881	
AZE05220	PEN-32 (NPS)	NAVAJO	RECENT	12	651750	4011100	7175	2	0	1	2		1881	
AZH02101	NLC-W-HC-LH-DD	NAVAJO	RECENT	12	400000	3970000	6400	2	0	1	2	1793	1881	
AZD30204	ARIZONA D:11:656	NAVAJO		12	564200	4029600	6900	2	0	1	4	1881	1881	
UTW01401	UT 42SA1011	NAVAJO	RECENT	12	594000	4145000	6600	2	0	1	7	1882	1882	
NMB17904	LA 52752	NAVAJO	RECENT	13	242959	3987748	6590		0		1		1882	
AZJ08601	NLC-W-LLC-MJ-SSS	NAVAJO		12	584000	3947000	6500	2	0	1	9	1720	1882	
AZK08139	NFPI-9-12 (NAV FP)	NAVAJO	RECENT	12	647000	3969000	7300	2	0	1	5		1882	1

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AZD24601	NLC-W-LLC-UO-LL	NAVAJO		12 578000	4015000	6600	2	0	1	2	1882	1882	
AZD26601	NLC-W-NM-PC-K	NAVAJO		12 547000	4090000	6000	2	0	1	1		1882	
AZD30736	ARIZONA D:11:4199	NAVAJO		12 551610	4039025	6540	2	0	1	13	1870	1882	
AZK08194	BIA-C63 (NAV FP)	NAVAJO	RECENT	12 700000	3900000	7000	2	0	1	4		1882	
NMG08952	LA 12808	NAVAJO	RECENT	12 684900	3947000	7200	2	0	1	6	1883	1883	
NMN09401	NLC-E-RP-LP-D	NAVAJO	RECENT	13 295000	3845000	7600	2	0	1	6	1877	1883	
AZE05215	NRM-113 (NPS)	NAVAJO	RECENT	12 652220	4015510	7090	2	0	1	1		1883	
AZK08141	NFPI-9-15 (NAV FP)	NAVAJO	RECENT	12 646000	3966000	7200	2	0	1	2	1883	1883	1
AZK08144	NFPI-9-32 (NAV FP)	NAVAJO		12 653000	3959000	7200	2	0	1	2		1883	
AZD26301	NLC-W-NM-PC-A	NAVAJO		12 555000	4088000	6000	2	0	1	2		1883	
NMB17921	LA 52888	NAVAJO	RECENT	13 240563	3988770	6620	2	0	1	1		1884	
AZC01901	NLC-W-NM-NC-V	NAVAJO	RECENT	12 472000	4070000	6000	2	0	1	4	1819	1884	1
AZE05308	AZ-I-23-110 (NNCRMP)	NAVAJO	RECENT	12 670000	4065000	6100	2	0	1	1		1884	
AZJ07101	NLC-W-LLC-MJ-A2	NAVAJO		12 575000	3955000	6500	2	0	1	1	1884	1884	
AZD29304	ARIZONA D:7:208	NAVAJO		12 562195	4040835	6777	2	0	1	7		1884	
AZD29436	ARIZONA D:12:262	NAVAJO		12 567300	4034100	7180	2	0	1	3		1884	
AZD29567	ARIZONA D:11:542	NAVAJO		12 560400	4033000	6840	2	0	1	2		1884	
UTW06501	NLC-N-LSJ-MC-CCC	NAVAJO		12 660000	4140000	5000	2		1	2	1874	1885	
NMG08909	SITE NL-61	NAVAJO		12 686000	3939000	6500	2	0	1	2		1885	
NMB12701	NLC-N-SJ-LA-F	NAVAJO	RECENT	13 260000	4087000	6700	2	0	1	1		1885	
AZC01201	NLC-W-NM-NC-C	NAVAJO	RECENT	12 495000	4069000	6200	2	0	1	4	1874	1885	
AZI11901	NLC-W-LLC-SF-I	NAVAJO		12 461000	3907500	6400	2	0	1	2		1885	
AZD29445	ARIZONA D:11:4	NAVAJO		12 552530	4035390	6530	2	0	1	3		1885	1
AZD29456	ARIZONA D:11:203	NAVAJO		12 566750	4036925	7020	2	0	1	5		1885	
AZD29459	ARIZONA D:11:208	NAVAJO		12 566500	4037005	7020	2	0	1	2		1885	
AZD29494	ARIZONA D:11:313	NAVAJO		12 566980	4038740	6958	2	0	1	33	1852	1885	
AZD30262	ARIZONA D:11:4016	NAVAJO		12 556005	4027440	6527	2	0	1	3	1885	1885	
AZD30295	ARIZONA D:11:4086	NAVAJO		12 556475	4032650	6517	2	0	1	4		1885	
NMG03301	NLC-S-ULC-UP-E	NAVAJO	RECENT	12 710900	3024000	7000	2	0	1	2	1886	1886	
NMG08944	SITE PM 202, HOGAN	NAVAJO		12 682000	3946300	6840	2	0	1	1		1886	
NMG08953	LA 12809	NAVAJO	RECENT	12 685000	3946900	7200	2	0	1	2		1886	
AZE05312	C63-19 (BIA)	NAVAJO	RECENT	12 684000	4003000	8800	2	0	1	1	1886	1886	
AZE05315	C63-53 (BIA)	NAVAJO	RECENT	12 688000	4001500	8800	2	0	1	1	1886	1886	
AZK08114	NF-11-99 (NAV FP)	NAVAJO	RECENT	12 652805	3958098	7200	2	0	1	1	1886	1886	
AZD29425	ARIZONA D:12:237	NAVAJO		12 567990	4028875	7040	2	0	1	8		1886	
AZD29431	ARIZONA D:12:250	NAVAJO		12 567450	4031600	6980	2	0	1	11		1886	
AZD29549	ARIZONA D:11:497	NAVAJO		12 561950	4036250	6718	2	0	1	6	1886	1886	
AZD30293	ARIZONA D:11:4080	NAVAJO		12 555575	4030935	6468	2	0	1	4		1886	
AZD30756	ARIZONA D:11:4248	NAVAJO		12 552400	4038190	6487	2	0	1	7	1885	1886	
COV14101	NLC-N-MSJ-MR-K	Navajo		12 728000	4111000	6400	2	0	1	3		1887	
NMC03104	SITE AR-513	TEWA	P5	13 371000	4014000	6300		0		1		1887	
NMB17930	LA 52984	NAVAJO	RECENT	13 241320	3988083	6680		0		2		1887	
AZJ05401	NLC-W-LLC-MB-BB	NAVAJO		12 579500	3932500	6200	2	0	1	1	1887	1887	
AZJ06201	NLC-W-LLC-MB-NN	NAVAJO		12 582500	3933500	6100	2	0	1	2	1817	1887	
AZJ06501	NLC-W-LLC-MB-QQ	NAVAJO		12 579300	3932900	6200	2	0	1	3	1887	1887	
AZJ09001	NLC-W-LLC-MJ-ZZZ	NAVAJO		12 580000	3946000	6000	2	0	1	3		1887	
AZK08169	NFPI-16-14 (NAV FP)	NAVAJO	RECENT	12 642000	3963000	6500	2	0	1	3	1885	1887	
AZD21501	NLC-W-LLC-UD-Z	NAVAJO		12 573500	4025000	7100	2	0	1	2		1887	
AZD29498	ARIZONA D:11:321	NAVAJO		12 563125	4027300	7001	2	0	1	3	1878	1887	
AZD30812	U-1	NAVAJO		12 500000	4000000	6000		0		4	1866	1887	
NMN05201	NLC-S-AS-AC-A	NAVAJO	RECENT	13 272000	3805000	6800	2	0	1	1		1888	

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NMN09201	NLC-E-RP-LP-A	NAVAJO	RECENT	13	293000	3848000	6600	2	0	1	2	1887	1888	
NMB16802	NLC-E-CL-UL-HH	NAVAJO	RECENT	13	306000	4041000	7000	2	0	1	3	1856	1888	
NMB17916	LA 53031	NAVAJO	RECENT	13	242827	3986007	6800	2	0	1	1		1888	
AZE05304	AZ-I-23-40 (NNCRMP)	NAVAJO	RECENT	12	670000	4060000	6000	2	0	1	2		1888	
AZD02602	NA 13772	NAVAJO		12	569070	4005425	6420	2	0	1	1		1888	
AZD21701	NLC-W-LLC-UD-II	NAVAJO		12	571000	4034000	7000	2	0	1	1	1888	1888	
AZD29407	ARIZONA D:12:209	NAVAJO		12	567425	4035500	7001	2	0	1	3		1888	
AZD29412	ARIZONA D:12:214	NAVAJO		12	567360	4039200	6960	2	0	1	14	1869	1888	2
AZD29473	ARIZONA D:11:257	NAVAJO		12	561225	4029200	6958	2	0	1	5	1888	1888	
AZD29541	ARIZONA D:11:465	NAVAJO		12	563875	4035625	7020	2	0	1	3		1888	
COV13301	NLC-N-MSJ-MR-B	Navajo		12	718000	4119000	7000	2	0	1	8	1872	1889	
NMG08927	SITE NL-30	NAVAJO		12	690000	3937000	6500	2	0	1	3		1889	
AZK08117	NF-73 (NAV FP)	NAVAJO	RECENT	12	660000	3960000	0	2	0	1	4	1871	1889	
AZD29491	ARIZONA D:11:307	NAVAJO		12	566170	4039085	6919	2	0	1	13		1889	
AZD29570	ARIZONA D:11:549	NAVAJO		12	558900	4032125	6738	2	0	1	11		1889	
AZD30212	ARIZONA D:11:679	NAVAJO		12	566175	4032575	7004	2	0	1	1	1889	1889	
AZD30718	ARIZONA D:11:4139	NAVAJO		12	553660	4033660	6390	2	0	1	1		1889	
AZD30787	ARIZONA D:11:4341	NAVAJO		12	555810	4034640	6555	2	0	1	7	1889	1889	
NMN06501	NLC-S-AS-AC-R	NAVAJO	RECENT	13	255000	3820000	6500	2	0	1	1		1890	
NMB17948	CHACO W (NPS)	NAVAJO	RECENT	13	244660	3986160	6640	2	0	1	1		1890	
AZD03301	NLC-S-MLC-CD-F	NAVAJO	RECENT	12	485000	3870000	6500	2	0	1	3	1869	1890	
AZD29315	ARIZONA D:7:273	NAVAJO		12	563330	4040800	6738	2	0	1	15	1889	1890	
AZD29359	ARIZONA D:7:4014	NAVAJO		12	553340	4042460	6537	2	0	1	2		1890	
AZD29399	ARIZONA D:7:4166	NAVAJO		12	553510	4046810	6810	2	0	1	8	1691	1890	
AZD29466	ARIZONA D:11:239	NAVAJO		12	561220	4027560	6951	2	0	1	9	1885	1890	1
AZD29595	ARIZONA D:11:615	NAVAJO		12	563375	4031750	6939	2	0	1	1		1890	
NMG09001	DCA-80-126	NAVAJO	RECENT	12	754000	3953000	5800	1	0	1	1		1891	
AZE05306	AZ-I-23-97 (NNCRMP)	NAVAJO	RECENT	12	667000	4065000	6100	2	0	1	1		1891	
AZJ04701	NLC-W-LLC-LM-H	NAVAJO		12	581000	3981000	6600	2	0	1	1	1891	1891	
AZK08123	NF-113 (NAV FP)	NAVAJO	RECENT	12	653240	3956950	7400	2	0	1	3	1891	1891	
AZK08131	NF-100 (NAV FP)	NAVAJO	RECENT	12	653650	3958540	0	2	0	1	2	1875	1891	
AZK08180	NFPI-10-015 (NAV FP)	NAVAJO		12	658000	3956000	7300	2	0	1	1		1891	
AZD29311	ARIZONA D:7:241	NAVAJO		12	561740	4039830	6659	2	0	1	1		1891	
AZD29369	ARIZONA D:7:4045	NAVAJO		12	556500	4044510	6670	2	0	1	17	1877	1891	1
AZD29397	ARIZONA D:7:4161	NAVAJO		12	553820	4046540	6750	2	0	1	4	1891	1891	
AZD29411	ARIZONA D:12:213	NAVAJO		12	567620	4039250	7005	2	0	1	7	1775	1891	2
AZD29554	ARIZONA D:11:511	NAVAJO	RECENT	12	562800	4032450	6900	2	0	1	15	1890	1891	2
AZD30257	ARIZONA D:11:4006	NAVAJO		12	552540	4038660	6520	2	0	1	1	1891	1891	
COV13401	NLC-N-MSJ-MR-C	Navajo		12	713000	4100000	6300	2	0	1	2	1892	1892	
NMG04101	NLC-S-ULC-ZR-G	NAVAJO	RECENT	12	721000	3880000	7000	2	0	1	2		1892	
NMG05401	NLC-E-RP-USJ-D	NAVAJO	RECENT	12	765000	3925500	6850	2	0	1	1		1892	
NMG08936	SITE PM 64, HOGANS	NAVAJO		12	681000	3942400	6840	2	0	1	2		1892	
NMN03401	NLC-S-AS-GB-M	NAVAJO	RECENT	13	264000	3799000	8000	2	0	1	3	1867	1892	
NMN04001	NLC-S-AS-GB-T	NAVAJO	RECENT	13	290000	3797000	7200	2	0	1	5		1892	
AZE04504	NA 9723	NAVAJO	RECENT	12	649500	4014500	6942	2	0	1	13	1883	1892	1
AZE04510	NA 9722	NAVAJO	RECENT	12	649450	4014500	6942	2	0	1	7	1890	1892	1
AZK08134	NF-123 (NAV FP)	NAVAJO	RECENT	12	653840	3957600	7440	2	0	1	2	1892	1892	
AZK08159	NFPI-58-57A (NAV FP)	NAVAJO	RECENT	12	695000	3983000	8800	2	0	1	2	1892	1892	1
AZK08162	NFPI-16-34 (NAV FP)	NAVAJO	RECENT	12	641000	3966000	6500	2	0	1	3		1892	
AZD29462	ARIZONA D:11:227	NAVAJO		12	559575	4038625	6619	2	0	1	2		1892	
AZD30287	ARIZONA D:7:4064	NAVAJO		12	551250	4027740	6478	2	0	1	1		1892	

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AZI12301	NLC-W-LLC-SF-M	NAVAJO		12 457000	3902000	6400	2	0	1	1		1893	
AZJ07201	NLC-W-LLC-MJ-A3	NAVAJO		12 576000	3954000	6500	2	0	1	5	1856	1893	2
AZJ11801	NLC-W-LLC-TS-I	NAVAJO		12 583700	3970900	6400	2	0	1	1	1893	1893	
AZK03501	NLC-W-LLC-NJ-H	NAVAJO	RECENT	12 595000	3975000	7200	2	0	1	3	1888	1893	
AZD12201	NLC-W-LLC-DZ-L	NAVAJO		12 567000	3991800	6800	2	0	1	2		1893	
AZD29364	ARIZONA D:7:4038	NAVAJO		12 552200	4046090	6730	2	0	1	3	1839	1893	
AZD29391	ARIZONA D:7:4127	NAVAJO		12 552280	4046325	6840	2	0	1	9	1888	1893	2
AZD30733	ARIZONA D:11:4195	NAVAJO		12 550360	4038625	6420	2	0	1	1		1893	
AZD30752	ARIZONA D:11:4244	NAVAJO		12 552780	4038180	6590	2	0	1	1		1893	
AZH02601	NLC-W-HC-LH-U	HAVASUPAI	RECENT	12 380000	3990000	6000	2	0	1	1	1894	1894	
AZK08142	NFPI-9-25 (NAV FP)	NAVAJO	RECENT	12 648000	3963000	0	2	0	1	3	1893	1894	1
AZD24801	NLC-W-LLC-U0-NN	NAVAJO		12 569500	4008000	6500	2	0	1	1	1894	1894	
AZD29384	ARIZONA D:7:4107	NAVAJO		12 550850	4047030	6770	2	0	1	3		1894	
NMG08932	SITE PM 36	NAVAJO		12 681000	3942500	6840	2	0	1	2		1895	
AZC01301	NLC-W-NM-NC-D	NAVAJO	RECENT	12 501000	4068000	5500	2	0	1	7	1887	1895	1
AZE05204	NRM-57 (NPS)	NAVAJO	RECENT	12 651180	4017080	7090	2	0	1	1	1895	1895	
AZD21301	NLC-W-LLC-UD-X	NAVAJO		12 569000	4024000	7000	2	0	1	2	1895	1895	
AZD29409	ARIZONA D:12:211	NAVAJO		12 567490	4039130	7020	2	0	1	6	1890	1895	1
AZD30710	ARIZONA D:11:4121	NAVAJO		12 554175	4027835	6355	2	0	1	1		1895	
AZD30759	ARIZONA D:11:4253	NAVAJO		12 560860	4038575	6672	2	0	1	4		1895	
AZD30769	ARIZONA D:11:4291	NAVAJO		12 550100	4037760	6505	2	0	1	6	1895	1895	
NMG01303	LA 64689 NUTRIA MINE	ZUNI	RECENT	12 713000	3902000	6720	1	0	1	4		1896	
NMG08913	SITE NL-177	NAVAJO		12 689000	3938000	6500	2	0	1	1		1896	
AZK08106	AZ-P-7-39 (NNCRMP)	NAVAJO	RECENT	12 660500	3980550	7720	2	0	1	1		1896	
AZK08148	NFPI-24-65A (NAV FP)	NAVAJO	RECENT	12 649000	3984000	2400	2	0	1	2		1896	
AZD29386	ARIZONA D:7:4117	NAVAJO		12 552625	4049175	7010	2	0	1	2	1878	1896	
AZD29433	ARIZONA D:12:254	NAVAJO		12 567850	4034150	7060	2	0	1	3		1896	
AZD30285	ARIZONA D:11:4060	NAVAJO	RECENT	12 550740	4027990	6495	2	0	1	9	1877	1896	2
AZD30714	ARIZONA D:11:4129	NAVAJO		12 551960	4028360	6430	2	0	1	6	1809	1896	
NMA01801	NLC-N-MSJ-BD-B	NAVAJO		12 727000	4085000	5700	2	0	1	3	1897	1897	
NMG06101	NLC-E-RP-USJ-O	NAVAJO	RECENT	12 765000	3905000	7850	2	0	1	1		1897	
NMB15201	NLC-E-CL-UL-O	NAVAJO	RECENT	13 277000	4020000	6800	2	0	1	3		1897	
NMB17937	LA 52930	NAVAJO	RECENT	13 241538	3988438	6580		0		1		1897	
AZE05307	AZ-I-23-109 (NNCRMP)	NAVAJO	RECENT	12 665000	4066000	6100	2	0	1	2		1897	
AZE05309	C63-3 (BIA)	NAVAJO	RECENT	12 687000	3996000	8800	2	0	1	1	1897	1897	
AZK08166	NFPI-16-6 (NAV FP)	NAVAJO	RECENT	12 640000	3963000	6500	2	0	1	4	1894	1897	
AZD29332	ARIZONA D:7:492	NAVAJO		12 563325	4042050	6860	2	0	1	2	1897	1897	
AZD29370	ARIZONA D:7:4046	NAVAJO		12 556400	4044000	6690	2	0	1	15	1868	1897	
AZD29481	ARIZONA D:11:281	NAVAJO		12 563125	4027300	7001	2	0	1	13	1878	1897	
AZD30739	ARIZONA D:11:4213	NAVAJO		12 550975	4032725	6420	2	0	1	2	1897	1897	
NMG05501	NLC-E-RP-USJ-E	NAVAJO	RECENT	12 765500	3925000	6850	2	0	1	8	1888	1898	
NMG08914	SITE NL-183	NAVAJO		12 688000	3938000	6500	2	0	1	2		1898	
NMG08917	SITE NL-205	NAVAJO		12 685000	3938000	6500	2	0	1	4		1898	
NMG08935	SITE PM 60, HOGAN	NAVAJO		12 684000	3943000	6820	2	0	1	1		1898	
NMN05301	NLC-S-AS-AC-B	NAVAJO	RECENT	13 271000	3805000	6700	2	0	1	1	1	1898	
NMB17946	LA 52975	NAVAJO	RECENT	13 240836	3988730	6580	2	0	1	2		1898	
AZC01001	NLC-W-LLC-B-M	NAVAJO	RECENT	12 429000	4009000	6100	2	S	1	1	1898	1898	
AZE05235	CDM-156 (NPS)	NAVAJO	RECENT	12 651010	4012170	6380	2	0	1	1		1898	
AZJ05901	NLC-W-LLC-MB-KK	NAVAJO		12 578500	3931500	6200	2	0	1	1	1898	1898	
AZK03601	NLC-W-LLC-NJ-J	NAVAJO	RECENT	12 592000	3974000	6900	2	0	1	2	1890	1898	
AZK08108	AZ-P-7-44 (NNCRMP)	NAVAJO	RECENT	12 660850	3980700	7730	2	0	1	1		1898	

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
AZD16101	NLC-W-LLC-M-D8	NAVAJO		12 546000	4010000	6500	2	0	1	2	1895	1898	
AZD17201	NLC-W-LLC-M-E11	NAVAJO	RECENT	12 515000	4010000	6800	2	0	1	3	1897	1898	1
AZD18201	NLC-W-LLC-M-E21	NAVAJO	RECENT	12 516000	4016000	6500	2	0	1	8	1897	1898	1
AZD29518	ARIZONA D:11:386	NAVAJO		12 560650	4036075	6700	2	0	1	1	1898	1898	
AZD30263	ARIZONA D:11:4017	NAVAJO		12 556200	4027330	6535	2	0	1	5	1898	1898	
AZD30271	ARIZONA D:11:4034	NAVAJO		12 553790	4032980	6430	2	0	1	5		1898	
AZD30721	ARIZONA D:11:4154	NAVAJO		12 551370	4033630	6470	2	0	1	2	1895	1898	
COV14201	NLC-N-MSJ-MR-M	Navajo		12 733000	4125000	7800	2	0	1	6	1898	1899	
NMI00801	JEMEZ CAVE	JEMEZ	RECENT	13 347563	3961976	6370	3	S		6	1835	1899	
NMN05401	NLC-S-AS-AC-C	NAVAJO	RECENT	13 273000	3805000	6300	2	0	1	14		1899	
AZE05601	ARIZONA E:12:8	NAVAJO	RECENT	12 660125	4031100	6645	2	0	1	7	1894	1899	1
AZK08109	ESCATECH 23-2B	NAVAJO	RECENT	12 658675	3981100	7680	2	0	1	1	1899	1899	
AZD29319	ARIZONA D:7:281	NAVAJO		12 558410	4033090	6817	2	0	1	19	1868	1899	2
AZD30210	ARIZONA D:11:671	NAVAJO		12 566975	4033450	7060	2	0	1	4		1899	
AZD30755	ARIZONA D:11:4247	NAVAJO	RECENT	12 552420	4038280	6538	2	0	1	8	1892	1899	1
AZD30784	ARIZONA D:11:4336	NAVAJO		12 555900	4035580	6410	2	0	1	7		1899	
AZD30795	ARIZONA D:11:349	NAVAJO		12 562300	4030850	6980	2	0	1	1		1899	
NMG08949	SITE PM 264	NAVAJO	RECENT	12 685000	3945000	7350	2	0	1	1		1900	
NMB17935	LA 41609	NAVAJO	RECENT	13 240750	3989360	6440		0		2		1900	
AZK03701	NLC-W-LLC-NJ-L	NAVAJO	RECENT	12 591000	3955000	6900	2	0	1	1	1900	1900	
AZD16501	NLC-W-LLC-M-D12	NAVAJO		12 516000	4010000	6800	2	0	1	1		1900	
AZD30230	ARIZONA D:11:1037	NAVAJO		12 563100	4028675	6918	2	0	1	1		1900	
AZK06701	NLC-S-ULC-UP-N	NAVAJO	RECENT	12 671000	3941000	7075	2	0	1	5	1898	1901	
AZD10301	NLC-W-LLC-DO-B	NAVAJO	RECENT	12 581500	3989700	6200	2	0	1	2	1898	1901	
AZD29547	ARIZONA D:11:492	NAVAJO	RECENT	12 563500	4035550	6820	2	0	1	12	1898	1901	1
AZD30235	ARIZONA D:11:1116	NAVAJO		12 561980	4032275	6860	2	0	1	2		1901	
AZJ06301	NLC-W-LLC-MB-00	NAVAJO		12 580300	3933100	6250	2	0	1	1		1902	
AZD30794	ARIZONA D:11:302	NAVAJO		12 565770	4039110	6850	2	0	1	1		1902	
NMG08938	SITE PM 91, HOGAN	NAVAJO		12 685000	3940000	7050	2	0	1	3		1903	
NMB05001	NLC-E-GS-GC-A	NAVAJO	RECENT	12 239500	4035000	6160	2	0	1	1		1903	
AZK08171	NFPI-62-005 (NAV FP)	NAVAJO	RECENT	12 686000	3965000	7900	2	0	1	2	1903	1903	1
AZD29584	ARIZONA D:11:597	NAVAJO		12 566550	4031800	6920	2	0	1	2		1903	
AZD30292	ARIZONA D:11:4079	NAVAJO	RECENT	12 555940	4030890	6505	2	0	1	5	1903	1903	1
UTW10926	UT 42SA6511	NAVAJO		12 632990	4164610	6040	2		1	1		1904	
AZH02401	NLC-W-HC-LH-S	HAVASUPAI	RECENT	12 340000	4017000	5000	2	0	1	1		1904	
AZE05214	NRM-112 (NPS)	NAVAJO	RECENT	12 647510	4014890	6820	2	0	1	1	1905	1905	
AZK08105	AZ-P-7-38 (NNCRMP)	NAVAJO	RECENT	12 660525	3980900	7740	2	0	1	1		1905	
NMG08946	SITE PM 243	NAVAJO	RECENT	12 686000	3946600	6970	2	0	1	2	1906	1906	
NMG08951	LA 12805	NAVAJO		12 684000	3945000	7280	2	0	1	1		1906	
AZK08173	NFPI-10-001 (NAV FP)	NAVAJO	RECENT	12 661000	3951000	7100	2	0	1	5	1906	1906	1
AZK08191	BIA-TB-85 (NAV FP)	NAVAJO	RECENT	12 700000	3900000	7000	2	0	1	2	1906	1906	
AZD29582	ARIZONA D:11:588	NAVAJO	RECENT	12 567225	4031225	7020	2	0	1	16	1891	1906	2
AZD30712	ARIZONA D:11:4127	NAVAJO		12 550780	4028020	6442	2	0	1	5	1906	1906	
COV14301	NLC-N-MSJ-MR-N	Navajo		12 729000	4132000	8000	2	0	1	1		1907	
NMG08921	SITE NL-232	NAVAJO	RECENT	12 692000	3936000	6500	2	0	1	2		1907	
AZC00801	NLC-W-LLC-B-E	NAVAJO	RECENT	12 434000	4035000	6200	2	0	1	1	1907	1907	
AZE05232	PEN-128 (NPS)	NAVAJO	RECENT	12 645350	4004010	6780	2	0	1	1		1907	
AZE05318	C63-132 (BIA)	NAVAJO	RECENT	12 688000	4005000	8600	2	0	1	1		1907	
AZK08179	NFPI-10-012 (NAV FP)	NAVAJO		12 659000	3957000	7200	2	0	1	1		1907	
AZD29418	ARIZONA D:12:226	NAVAJO		12 567775	4033300	7001	2	0	1	5		1907	
AZD29419	ARIZONA D:12:228	NAVAJO		12 567875	4034075	7060	2	0	1	1	1907	1907	

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
NMG05901	NLC-S-RP-USJ-I	NAVAJO	RECENT	12 765000	3915000	7200	2	0	1	2	1907	1908	
AZE05210	NRM-83 (NPS)	NAVAJO	RECENT	12 652040	4015350	7075	2	0	1	2	1908	1908	
AZD29362	ARIZONA D:7:4035	NAVAJO		12 552390	4045515	6760	2	0	1	9	1895	1908	
AZD29531	ARIZONA D:11:431	NAVAJO		12 564370	4037475	6900	2	0	1	3	1897	1908	
AZD30747	ARIZONA D:11:4236	NAVAJO	RECENT	12 551680	4037280	6535	2	0	1	2	1908	1908	1
AZD30757	ARIZONA D:11:4250	NAVAJO		12 552640	4038440	6565	2	0	1	1	1908	1908	
AZD30791	ARIZONA D:11:4348	NAVAJO	RECENT	12 555500	4035650	6430	2	0	1	5	1905	1908	1
COW05801	NLC-N-SJ-UA-G	Navajo		13 240000	4115000	6700	2	0	1	3	1909	1909	
NMG04001	NLC-S-ULC-ZR-F	NAVAJO	RECENT	12 722000	3888000	7000	2	0	1	4	1908	1909	
NMG04201	NLC-S-ULC-ZR-H	NAVAJO	RECENT	12 720000	3880000	7000	2	0	1	2	1909	1909	
NMG08923	SITE NL-277	NAVAJO		12 690000	3936000	6500	2	0	1	3		1909	
NMB17911	LA 52685	NAVAJO	RECENT	13 242376	2988448	6510	2	0	1	1		1909	
AZE05231	PEN-127 (NPS)	NAVAJO	RECENT	12 645350	4003670	6750	2	0	1	1	1909	1909	
AZE05234	MCC-12 (NPS)	NAVAJO	RECENT	12 644910	4003510	6615	2	0	1	4	1885	1909	
AZE05301	C54-6 (BIA)	NAVAJO	RECENT	12 696670	3886610	0	2	0	1	1	1909	1909	
AZK08153	NFPI-24-41 (NAV FP)	NAVAJO		12 651000	3979000	7200	2	0	1	1		1909	
AZK08174	NFPI-10-003 (NAV FP)	NAVAJO	RECENT	12 656000	3956000	7200	2	0	1	2	1909	1909	1
AZD29385	ARIZONA D:7:4110	NAVAJO		12 550735	4046775	6770	2	0	1	6	1894	1909	
AZD29519	ARIZONA D:11:388	NAVAJO	RECENT	12 560840	4036750	6640	2	0	1	25	1868	1909	2
AZD30726	ARIZONA D:11:4183	NAVAJO	RECENT	12 554540	4036240	6555	2	0	1	3	1897	1909	1
AZK08157	NFPI-58-43 (NAV FP)	NAVAJO	RECENT	12 696000	3979000	8800	2	0	1	1		1910	
AZD29476	ARIZONA D:11:263	NAVAJO		12 560375	4028850	6958	2	0	1	3		1910	
AZD30255	ARIZONA D:11:4003	NAVAJO	RECENT	12 556375	4029560	6537	2	0	1	2	1910	1910	1
AZD30290	ARIZONA D:11:4069	NAVAJO	RECENT	12 551960	4027430	6478	2	0	1	5	1910	1910	1
AZD30717	ARIZONA D:11:4138	NAVAJO		12 553490	4033300	6320	2	0	1	2	1910	1910	
NMN06101	NLC-S-AS-AC-M	NAVAJO	RECENT	13 262000	3824000	6600	2	0	1	3		1911	
NMB17906	LA 52736	NAVAJO	RECENT	13 241731	3989114	6470		0		1		1911	
NMB17938	LA 52931	NAVAJO	RECENT	13 240904	3989176	6420	2	0	1	1		1911	
AZE05305	AZ-I-23-82 (NCRMP)	NAVAJO	RECENT	12 664000	4067000	6100	2	0	1	1		1911	
AZI11101	NLC-W-LLC-D-A	NAVAJO		12 458000	3936000	0	2	0	1	2	1903	1911	
AZD30708	ARIZONA D:11:4110	NAVAJO		12 551910	4028150	6430	2	0	1	5	1884	1911	
AZD30737	ARIZONA D:11:4200	NAVAJO		12 552070	4038690	6478	2	0	1	15	1870	1911	
AZD30780	ARIZONA D:11:4324	NAVAJO		12 549080	4037855	6577	2	0	1	2	1898	1911	
NMG05701	NLC-E-RP-USJ-G	NAVAJO	RECENT	12 765000	3925000	6880	2	0	1	10	1897	1912	
NMB17901	LA 52703	NAVAJO	RECENT	13 242231	3988825	6470	2	0	1	3		1912	
AZE05230	PEN-126 (NPS)	NAVAJO	RECENT	12 645680	4003880	6775	2	0	1	2		1912	
AZK08118	NF-11-005 (NAV FP)	NAVAJO	RECENT	12 667000	3951000	7400		0		2	1910	1912	
AZD29440	ARIZONA D:12:319	NAVAJO		12 567760	4038350	6940	2	0	1	3		1912	
AZD29544	ARIZONA D:11:484	NAVAJO		12 561700	4035250	6758	2	0	1	3	1912	1912	
NMB17202	NLC-E-CL-UL-MM	NAVAJO	RECENT	13 291000	4040000	7000	2	0	1	4	1894	1913	
AZE05205	NRM-61 (NPS)	NAVAJO	RECENT	12 651710	4016480	7090	2	0	1	2		1913	
AZK08121	Nf-68 (NAV FP)	NAVAJO	RECENT	12 654200	3952575	7400	2	0	1	2	1911	1913	
AZK08158	NFPI-58-50 (NAV FP)	NAVAJO	RECENT	12 696000	3982000	8800	2	0	1	1		1913	
AZK08165	NFPI-58-37 (NAV FP)	NAVAJO	RECENT	12 697000	3981000	8800	2	0	1	2		1913	
AZD29321	ARIZONA D:7:302	NAVAJO		12 564070	4039750	6820	2	0	1	11	1907	1913	1
AZD29555	ARIZONA D:11:512	NAVAJO	RECENT	12 562725	4032100	6880	2	0	1	11	1894	1913	1
AZD30748	ARIZONA D:11:4237	NAVAJO		12 551690	4037325	6535	2	0	1	5	1911	1913	
AZD30762	ARIZONA D:11:4262	NAVAJO		12 553175	4034300	6438	2	0	1	2	1912	1913	
AZD30763	ARIZONA D:11:4263	NAVAJO		12 553160	4034060	6395	2	0	1	3	1913	1913	1
AZD30767	ARIZONA D:11:4283	NAVAJO		12 550460	4037190	6327	2	0	1	7	1912	1913	1
NMM03501	NLC-S-ULC-EM-GG	NAVAJO	RECENT	12 728000	3820000	6900	2	0	1	1		1914	

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
AZE05209	NRM-81 (NPS)	NAVAJO	RECENT	12 652090	4015820	7075	2	0	1	1	1914	1914	
AZK08116	NF-111 (NAV FP)	NAVAJO	RECENT	12 655110	3956360	7560	2	0	1	6	1908	1914	
AZD30768	ARIZONA D:11:4289	NAVAJO		12 549930	4037320	6487	2	0	1	2		1914	
AZB00501	HAVASUPAI GROUP	HAVASUPAI	RECENT	12 342000	4011000	5600				6		1915	
AZK08104	AZ-P-7-34 (NNCRMP)	NAVAJO	RECENT	12 660050	3978050	7850	2	0	1	1	1915	1915	
AZK08146	NFPI-24-60 (NAV FP)	NAVAJO	RECENT	12 651000	3984000	7200	2	0	1	2	1914	1915	
AZD29344	ARIZONA D:7:715	NAVAJO		12 553830	4041430	6740	2	0	1	2		1915	
AZD29352	ARIZONA D:7:1113	NAVAJO		12 550440	4044880	6820	2	0	1	1		1915	
AZD29408	ARIZONA D:12:210	NAVAJO		12 568175	4035750	7080	2	0	1	3		1915	
AZD29497	ARIZONA D:11:319	NAVAJO		12 561830	4037425	6718	2	0	1	3	1915	1915	
AZD29521	ARIZONA D:11:398	NAVAJO	RECENT	12 561350	4035975	6718	2	0	1	15	1913	1915	1
AZD29528	ARIZONA D:11:424	NAVAJO		12 563905	4037500	6860	2	0	1	3		1915	
AZD30226	ARIZONA D:11:0927	NAVAJO	RECENT	12 554950	4036430	6517	2	0	1	7	1915	1915	1
NMA02001	NLC-N-MSJ-BD-J	NAVAJO	RECENT	12 749000	4092000	6000	2	0	1	3		1916	1
NMA02101	NLC-N-MSJ-BD-K	NAVAJO	RECENT	12 748000	4091000	5500	2	0	1	3		1916	1
NMG08955	LA 12814	NAVAJO		12 685100	3947000	7200	2	0	1	4	1915	1916	
NMB17915	LA 53026	NAVAJO	RECENT	13 243934	3985796	6800	2	0	1	2	1916	1916	
AZE05224	PEN-78 (NPS)	NAVAJO	RECENT	12 643450	4002520	6015	2	0	1	3		1916	
AZE05226	PEN-90 (NPS)	NAVAJO	RECENT	12 652090	4001740	6910	2	0	1	2		1916	
AZJ06801	NLC-W-LLC-MB-GGG	NAVAJO		12 565000	3940000	6000	2	0	1	2	1916	1916	1
AZV03902	AZ P:14:20/21	APACHE		12 553300	3789500	5800	2	0	1	4		1916	1
AZD02612	AZ-J-44-3 (NNCRMP)	NAVAJO	RECENT	12 554350	4017920	6660	2	0	1	4		1916	
AZD19101	NLC-W-LLC-MD-JJJ	NAVAJO	RECENT	12 554500	4007400	6600	2	0	1	2	1916	1916	1
AZD29448	ARIZONA D:11:36	NAVAJO		12 551275	4034050	6478	2	0	1	14	1912	1916	2
AZD29532	ARIZONA D:11:433	NAVAJO	RECENT	12 563670	4037375	6700	2	0	1	18	1898	1916	1
AZD30238	ARIZONA D:11:1135	NAVAJO		12 563765	4037650	6856	2	0	1	2	1916	1916	
AZE04507	NA 11373	NAVAJO	RECENT	12 641100	4002700	6480	2	0	1	2	1917	1917	
AZK07201	NLC-S-ULC-UP-MISC	NO SITE		12 670000	3940000	6800				2	1900	1917	
AZK08101	AZ-P-7-12 (NNCRMP)	NAVAJO	RECENT	12 658175	3980875	7675	2	0	1	1	1917	1917	
AZD29522	ARIZONA D:11:399	NAVAJO	RECENT	12 561500	4035750	6700	2	0	1	7	1916	1917	1
AZD29533	ARIZONA D:11:434	NAVAJO		12 563380	4037900	6710	2	0	1	2	1917	1917	
AZD29540	ARIZONA D:11:461	NAVAJO		12 563190	4038050	6817	2	0	1	51	1909	1917	4
AZD29542	ARIZONA D:11:467	NAVAJO		12 564390	4035640	6738	2	0	1	6		1917	
AZD29556	ARIZONA D:11:514	NAVAJO	RECENT	12 562950	4033825	6900	2	0	1	5	1917	1917	1
AZD29557	ARIZONA D:11:519	NAVAJO	RECENT	12 563550	4034400	6860	2	0	1	4		1917	1
AZD29587	ARIZONA D:11:599	NAVAJO	DECHEL	12 565775	4031050	6950	2	0	1	16	1846	1917	1
AZD30282	ARIZONA D:11:4054	NAVAJO		12 552200	4029190	6373	2	0	1	1	1917	1917	
NMG03101	NLC-S-ULC-UP-C	NAVAJO	RECENT	12 711000	3925500	7100	2	0	1	4	1918	1918	
NMB17936	LA 52922	NAVAJO	RECENT	13 241420	3988144	6610				1		1918	
AZI12801	NLC-W-HC-LH-P	NAVAJO		12 411000	3957000	6400	2	0	1	2	1909	1918	
AZD29414	ARIZONA D:12:222	NAVAJO		12 567925	4033075	6978	2	0	1	1		1918	
AZD30228	ARIZONA D:11:1022	NAVAJO		12 562280	4038875	6738	2	0	1	2	1895	1918	
AZD30732	ARIZONA D:11:4194	NAVAJO		12 550440	4038610	6380	2	0	1	6	1897	1918	
AZD30772	ARIZONA D:11:4298	NAVAJO		12 549800	4037720	6505	2	0	1	1	1918	1918	
AZK08149	NFPI-24-15 (NAV FP)	NAVAJO	RECENT	12 647000	3982000	7200	2	0	1	3		1919	
AZD22301	NLC-W-LLC-UO-B	NAVAJO		12 582000	4026000	7000	2	0	1	1		1919	
AZD29324	ARIZONA D:7:315	NAVAJO		12 562375	4039850	6698	2	0	1	7		1919	
AZD29342	ARIZONA D:7:705	NAVAJO		12 550175	4045460	6820	2	0	1	8		1919	
AZD29358	ARIZONA D:7:4012	NAVAJO		12 552760	4042280	6455	2	0	1	25	1916	1919	2
AZD29453	ARIZONA D:11:101	NAVAJO		12 554560	4028740	6455	2	0	1	2		1919	
AZD29525	ARIZONA D:11:421	NAVAJO	RECENT	12 565550	4036900	6800	2	0	1	5	1919	1919	1



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AZD30727	ARIZONA D:11:4184	NAVAJO		12 554400	4036250	6555	2	0	1	9	1915	1919	2
AZD30785	ARIZONA D:11:4337	NAVAJO	RECENT	12 555850	4035650	6420	2	0	1	8	1919	1919	1
NMD01302	PICURIS PUEBLO	TEWA	RECENT	13 436461	4006371	7360	2	0	3	13	1578	1920	1
AZE04506	NA 11371	NAVAJO	RECENT	12 641200	4002900	6480	2	0	1	2	1917	1920	
AZD29378	ARIZONA D:7:4086	NAVAJO		12 564700	4042465	6820	2	0	1	6	1920	1920	
AZD29441	ARIZONA D:12:322	NAVAJO		12 567450	4030750	7080	2	0	1	4	1920	1920	
AZD29452	ARIZONA D:11:100	NAVAJO		12 554700	4028825	6485	2	0	1	1		1920	
AZD29467	ARIZONA D:11:241	NAVAJO		12 564410	4039350	6820	2	0	1	4	1857	1920	
AZD30702	ARIZONA D:11:4097	NAVAJO		12 554150	4036290	6544	2	0	1	3	1920	1920	1
NMB17914	LA 53353	NAVAJO	RECENT	13 242382	3987605	6690	2	0	1	2		1921	
NMB17949	CHACO T (NPS)	NAVAJO		13 244810	2986460	6420	2	0	1	3		1921	
AZE05213	NRM-111 (NPS)	NAVAJO	RECENT	12 647730	4014580	6810	2	0	1	1		1921	
AZK08176	NFPI-10-005 (NAV FP)	NAVAJO	RECENT	12 654000	3955000	7200	2	0	1	5	1920	1921	
AZD13401	NLC-W-CH-LC-A	NAVAJO	RECENT	12 569500	4063000	5800	2	0	1	1	1921	1921	
AZD25701	NLC-W-LLC-WE-M	NAVAJO		12 563500	3990900	6500	2	0	1	1		1921	
AZD29512	ARIZONA D:11:372	NAVAJO	RECENT	12 564660	4037950	6900	2	0	1	8	1920	1921	1
AZD30236	ARIZONA D:11:1127	NAVAJO		12 564530	4037880	6900	2	0	1	4	1918	1921	
AZD30291	ARIZONA D:11:4070	NAVAJO		12 551800	4027250	6517	2	0	1	15	1906	1921	2
AZD30793	ARIZONA D:11:4351	NAVAJO		12 555225	4035010	6460	2	0	1	3		1921	
NMN02901	NLC-S-AS-GB-G	NAVAJO	RECENT	13 273000	3790000	8000	2	0	1	1	1922	1922	
NMN09301	NLC-E-RP-LP-C	NAVAJO	RECENT	13 294000	3844000	7400	2	0	1	1		1922	
NMB17926	LA 52913	NAVAJO	RECENT	13 240303	3989259	6480	2	0	1	1		1922	
NMB17941	LA 52957	NAVAJO	RECENT	13 241158	3988492	5660	2	0	1	1		1922	
AZC02406	NA 11016	NAVAJO	RECENT	12 487500	4043500	6000	2	0	1	15	1912	1922	3
AZC02407	NA 11017	NAVAJO	RECENT	12 487000	4043000	6000	2	0	1	3	1922	1922	1
AZD29530	ARIZONA D:11:430	NAVAJO		12 564920	4037150	6815	2	0	1	16	1888	1922	
AZD29583	ARIZONA D:11:596	NAVAJO		12 566275	4031925	6970	2	0	1	4	1922	1922	
AZD30207	ARIZONA D:11:667	NAVAJO	RECENT	12 567225	4032250	7020	2	0	1	15	1920	1922	2
AZD30746	ARIZONA D:11:4234	NAVAJO	RECENT	12 554375	4037050	6575	2	0	1	10	1916	1922	2
UTW04901	NLC-N-LSJ-BE-D	NAVAJO		12 598000	4166000	8000	2		1	14	1840	1923	
NMH07004	SITE CM-185	NAVAJO	RECENT	13 265030	3977600	6820	2	0		2	1912	1923	
AZK06901	NLC-S-ULC-UP-Q	NAVAJO		12 699000	3929000	7075	2	0	1	3	1923	1923	
AZD29422	ARIZONA D:12:234	NAVAJO		12 567950	4028010	7100	2	0	1	25	1870	1923	2
AZD29545	ARIZONA D:11:486	NAVAJO		12 561725	4035025	6785	2	0	1	10	1922	1923	
AZD29571	ARIZONA D:11:553	NAVAJO		12 558690	4031790	6777	2	0	1	4		1923	
AZD30719	ARIZONA D:11:4144	NAVAJO		12 550875	4034140	6450	2	0	1	3	1920	1923	
UTW10911	UT 42SA6485	NAVAJO		12 632630	4163210	5910	2		1	1		1924	
NMG08906	SITE NL-33	NAVAJO	RECENT	12 689000	3939000	6500	2	0	1	2		1924	
NMB17927	LA 52917	NAVAJO	RECENT	13 240722	3989100	6520	2	0	1	7	1924	1924	
NMB17934	LA 52921	NAVAJO	RECENT	13 240819	3989059	6460	2	0	1	8		1924	
AZK08164	NFPI-58-35 (NAV FP)	NAVAJO	RECENT	12 696000	3981000	8800	2	0	1	2		1924	
AZK08187	BIA-C6 (NAV FP)	NAVAJO	RECENT	12 665000	3945000	6900	2	0	1	5	1914	1924	
AZK08190	BIA-C15 (NAV FP)	NAVAJO	RECENT	12 669000	3980000	7000	2	0	1	9	1909	1924	
AZD29423	ARIZONA D:12:235	NAVAJO		12 567525	4028575	7020	2	0	1	14		1924	
AZD29435	ARIZONA D:12:257	NAVAJO		12 567300	4033550	7080	2	0	1	2		1924	
AZD29472	ARIZONA D:11:252	NAVAJO		12 559750	4027500	6918	2	0		10	1907	1924	
AZD29565	ARIZONA D:11:537	NAVAJO		12 566225	4035000	7001	2	0	1	2	1924	1924	
AZD30231	ARIZONA D:11:1038	NAVAJO		12 562975	4028800	6918	2	0	1	4	1919	1924	
AZD30703	ARIZONA D:11:4098	NAVAJO		12 554090	4036390	6544	2	0	1	8	1920	1924	1
AZD30745	ARIZONA D:11:4233	NAVAJO		12 554400	4037005	6590	2	0	1	5	1917	1924	
COV24601	MESA VERDE 3841	Navajo		12 725945	4128800	7000	2	0	1	9	1925	1925	1

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UTW10902	UT 42SA6458	NAVAJO		12 633250	4161750	5860	2	1	1			1925	
NMM03601	NLC-S-ULC-ZR-D	NAVAJO	RECENT	12 723000	3860000	7200	2	0	1	4	1893	1925	
NMB16902	NLC-E-CL-UL-II	NAVAJO	RECENT	13 269000	4013000	6500	2	0	1	22	1885	1925	2
NMB17920	LA 52885	NAVAJO	RECENT	13 240504	3988883	6640	2	0	1	1		1925	
AZK08154	NFPI-24-48 (NAV FP)	NAVAJO	RECENT	12 649000	3981000	7200	2	0	1	1		1925	
AZK08181	AZ-P-7-2 (NNCRMP)	NAVAJO	RECENT	12 658200	3977500	7810	2	0	1	2	1925	1925	
AZD02605	NA 14019	NAVAJO	RECENT	12 563220	4015810	6660	2	0	1	4	1924	1925	1
AZD02615	NA 13787	NAVAJO	RECENT	12 562240	4013160	6870	2	0	1	6	1923	1925	
AZD29429	ARIZONA D:12:243	NAVAJO		12 568150	4032200	7020	2	0	1	11	1916	1925	1
AZD30254	ARIZONA D:11:4002	NAVAJO		12 566170	4030580	6585	2	0	1	2		1925	
AZD30265	ARIZONA D:11:4020	NAVAJO	RECENT	12 556850	4027980	6555	2	0	1	16	1889	1925	1
AZD30806	ARIZONA D:11:1403	NAVAJO		12 547350	4017225	7065	2	0	1	1	1925	1925	
AZD30807	ARIZONA D:11:1408	NAVAJO		12 550175	4015450	6640	2	0	1	2		1925	
NMG08942	SITE PM 135	NAVAJO	RECENT	12 686000	3939500	6510	2	0	1	3	1919	1926	
NMN04901	NLC-S-AS-L-C	NAVAJO	RECENT	13 301000	3810000	6200	2	0	1	5	1925	1926	
NMN08801	NLC-E-RP-CM-P	NAVAJO	RECENT	13 242000	3865000	7400	2	0	1	2	1907	1926	
NMB17942	LA 52959	NAVAJO	RECENT	13 241109	3988312	6640	2	0	1	1		1926	
AZJ04901	NLC-W-LLC-LM-N	NAVAJO		12 587000	3984000	6600	2	0	1	3	1926	1926	1
AZK08188	NFPI-C7 (NAV FP)	NAVAJO	RECENT	12 645000	3945000	6500	2	0	1	3		1926	
AZD29302	ARIZONA D:7:0093	NAVAJO		12 554820	4042880	6688	2	0	1	2		1926	
AZD29398	ARIZONA D:7:4163	NAVAJO		12 553825	4047000	6770	2	0	1	5	1726	1926	
AZD29460	ARIZONA D:11:212	NAVAJO		12 561195	4038500	6698	2	0	1	8	1926	1926	
AZD29488	ARIZONA D:11:301	NAVAJO		12 561230	4038250	6738	2	0	1	2	1924	1926	
AZD30270	ARIZONA D:11:4027	NAVAJO	RECENT	12 555650	4028440	6495	2	0	1	9	1919	1926	1
AZD30720	ARIZONA D:11:4145	NAVAJO		12 550650	4033995	6455	2	0	1	1	1926	1926	
NMN07501	NLC-E-RP-CM-A	NAVAJO	RECENT	13 242000	3845000	8000	2	0	1	8	1927	1927	1
NMH05301	NLC-E-RP-SM-Q	NAVAJO	RECENT	13 268000	3923000	7800	2	0	1	2	1927	1927	
AZD02610	JUA-78-150 (NNCRMP)	NAVAJO	RECENT	12 569875	4000650	6520	2	0	1	4	1926	1927	
AZD29314	ARIZONA D:7:253	NAVAJO		12 561550	4039780	6698	2	0	1	14	1892	1927	1
AZD29534	ARIZONA D:11:435	NAVAJO		12 564055	4036825	6800	2	0	1	2		1927	
AZD29573	ARIZONA D:11:557	NAVAJO		12 566375	4030300	6939	2	0	1	5	1927	1927	
AZD30744	ARIZONA D:11:4232	NAVAJO		12 554240	4037190	6590	2	0	1	5	1915	1927	
AZC02404	NA 11007	NAVAJO	RECENT	12 468000	4071000	5000	2	0	1	1		1928	
AZC02408	NA 11018	NAVAJO	RECENT	12 479000	4042000	6000	2	0	1	4	1927	1928	
AZE05225	PEN-87 (NPS)	NAVAJO	RECENT	12 644610	4002350	6020	2	0	1	1		1928	
AZP02001	NLC-S-MLC-CH-H	NAVAJO	RECENT	12 520000	3840000	5900	2	0	1	2	1928	1928	
AZD29444	ARIZONA D:12:350	NAVAJO	RECENT	12 567675	4033650	7100	2	0	1	3	1926	1928	
AZD29449	ARIZONA D:11:48	NAVAJO		12 553270	4037125	6415	2	0	1	4	1928	1928	1
AZD30239	ARIZONA D:11:1181	NAVAJO	RECENT	12 561375	4036225	6777	2	0	1	4	1917	1928	2
AZD30750	ARIZONA D:11:4240	NAVAJO		12 552660	4037600	6520	2	0	1	4	1925	1928	1
AZD30790	ARIZONA D:11:4347	NAVAJO		12 555600	4035560	6435	2	0	1	5	1928	1928	1
NMA00901	SITE H-27-39	NAVAJO	RECENT	12 275000	4061000	6000	2	0	1	2		1929	
NMJ03401	TESUQUE PUEBLO	PUEBLO	RECENT	13 392500	2964000	7000	2	0	1	60		1929	3
NMB17922	LA 52890	NAVAJO	RECENT	13 240433	3989131	6560		0		2	1929	1929	
AZE05202	NRM-46 (NPS)	NAVAJO	RECENT	12 649140	4014780	6960	2	0	1	1	1929	1929	
AZD29392	ARIZONA D:7:4151	NAVAJO		12 554030	4048010	6850	2	0	1	3		1929	
AZD29443	ARIZONA D:12:326	NAVAJO		12 568225	4031725	7060	2	0	1	3	1929	1929	
AZD30296	ARIZONA D:11:4089	NAVAJO		12 555700	4033390	6540	2	0	1	6	1927	1929	1
AZK08193	BIA-C49 (NAV FP)	NAVAJO	RECENT	12 700000	3900000	7000	2	0	1	12	1869	1929	
UTW10903	UT 42SA6460	NAVAJO		12 633300	4162000	5855	2	1	1			1930	
UTW10918	UT 42SA6495	NAVAJO		12 633990	4163910	5845	2	1	1			1930	

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AZC02401	NA 10919	NAVAJO	RECENT	12 473000	4052000	5700	2	0	1	8		1930	1
AZK08150	NFPI-24-18 (NAV FP)	NAVAJO	RECENT	12 648000	3982000	7200	2	0	1	3		1930	
AZD29470	ARIZONA D:11:245	NAVAJO		12 564810	4039350	6810	2	0	1	15	1912	1930	1
AZD29496	ARIZONA D:11:317	NAVAJO		12 561110	4037850	6718	2	0	1	20	1856	1930	1
AZD29539	ARIZONA D:11:455	NAVAJO	RECENT	12 560750	4032050	6758	2	0	1	11	1868	1930	1
AZD29575	ARIZONA D:11:559	NAVAJO	RECENT	12 565900	4029100	6939	2	0	1	9	1907	1930	1
AZD30272	ARIZONA D:11:4035	NAVAJO		12 553430	4032940	6315	2	0	1	2	1929	1930	
AZD30729	ARIZONA D:11:4187	NAVAJO		12 554210	4036180	6510	2	0	1	4		1930	
AZD30808	ARIZONA D:11:264	NAVAJO		12 559750	4028300	6840	2	0	1	1	1930	1930	
COV12801	NLC-N-LSJ-MEC-A	Navajo		12 727000	4124000	7400	2	0	1	1	1931	1931	
UTW10910	UT 42SA6484	NAVAJO		12 632630	4163020	5870	2		1	2	1931	1931	
NMG01304	LOWER PESCADO FARM	ZUNI	RECENT	12 719000	3888000	6750	2	0	1	8		1931	
NMG01305	LOWER NUTRIA	ZUNI	RECENT	12 719000	3903000	6760	2	0	1	38		1931	
AZK08103	AZ-P-7-32 (NNCRMP)	NAVAJO	RECENT	12 660250	3978800	7825	2	0	1	1	1931	1931	
AZD02606	NA 14021	NAVAJO	RECENT	12 560260	4016640	6580	2	0	1	5	1920	1931	
AZD29455	ARIZONA D:11:132	NAVAJO		12 555540	4038450	6695	2	0	1	4	1931	1931	
AZD30201	ARIZONA D:11:647	NAVAJO	RECENT	12 564400	4029260	6920	2	0	1	5	1869	1931	1
AZD30232	ARIZONA D:11:1044	NAVAJO		12 565115	4038600	6939	2	0	1	5	1931	1931	1
UTW10904	UT 42SA6465	NAVAJO		12 632900	4162900	5860	2		1	1		1932	
UTW10905	UT 42SA6467	NAVAJO		12 632950	4162850	5915	2		1	3	1932	1932	
UTW10907	UT 42SA4774	NAVAJO		12 632800	4161910	5760	2		1	2	1930	1932	
UTW10919	UT 42SA6496	NAVAJO		12 632810	4163760	6010	2		1	1	1932	1932	
NMG05301	NLC-E-RP-USJ-B	NAVAJO	RECENT	12 765000	3918000	7000	2	0	1	11	1925	1932	1
NMG08918	SITE NL-210	NAVAJO	RECENT	12 695000	3936000	6500	2	0	1	2	1911	1932	
AZE05228	PEN-107 (NPS)	NAVAJO	RECENT	12 643240	3999430	6650	2	0	1	2		1932	
AZJ05001	NLC-W-LLC-LM-P	NAVAJO		12 588000	3983000	6600	2	0	1	3	1932	1932	1
AZD30258	ARIZONA D:11:4007	NAVAJO		12 552510	4038050	6535	2	0	1	5	1908	1932	1
AZD30743	ARIZONA D:11:4228	NAVAJO		12 552750	4033640	6297	2	0	1	1	1932	1932	
UTW10909	UT 42SA6482	NAVAJO		12 632580	4162960	5920	2		1	2	1933	1933	
UTW10913	UT 42SA6488	NAVAJO		12 632730	4163750	5950	2		1	1		1933	
UTW10928	UT 42SA6514	NAVAJO		12 632800	4164700	6045	2		1	1		1933	
NMB17918	LA 53088	NAVAJO	RECENT	13 243308	3987579	6680	2	0	1	5		1933	
NMB17925	LA 52910	NAVAJO	RECENT	13 241709	3988704	6440		0		1		1933	
AZE05216	PEN-15 (NPS)	NAVAJO	RECENT	12 659970	4013560	7270	2	0	1	3		1933	
AZD29454	ARIZONA D:11:131	NAVAJO		12 551700	4034300	6490	2	0	1	3	1929	1933	
AZD29463	ARIZONA D:11:228	NAVAJO		12 562925	4029025	6918	2	0	1	22	1917	1933	
AZD29597	ARIZONA D:11:635	NAVAJO		12 566375	4032825	7040	2	0	2	5		1933	
AZD30224	ARIZONA D:11:906	NAVAJO		12 566225	4032650	6950	2	0	1	2		1933	
UTW10917	UT 42SA6494	NAVAJO		12 632620	4164150	6060	2		1	1		1934	
NMG08915	SITE NL-184	NAVAJO		12 687000	3938000	6500	2	0	1	3	1934	1934	
AZE05219	PEN-29 (NPS)	NAVAJO	RECENT	12 653340	4011520	7140	2	0	1	2		1934	
AZI13001	NLC-W-LLC-C-MISC	NAVAJO		12 430000	3960000	6000		0		1		1934	
AZK08167	NFPI-16-5A (NAV FP)	NAVAJO	RECENT	12 643000	3961000	6500	2	0	1	1	1934	1934	
AZD02613	AZ-J-55-18 (NNCRMP)	NAVAJO	RECENT	12 568650	4006850	6340	2	0	1	4		1934	1
AZD29301	ARIZONA D:7:21	NAVAJO		12 551240	4044270	6014	2	0	1	12	1932	1934	
AZD29471	ARIZONA D:11:247	NAVAJO		12 564970	4039185	6840	2	0	1	14	1913	1934	1
AZD30259	ARIZONA D:11:4008	NAVAJO		12 552510	4038200	6563	2	0	1	4	1898	1934	1
AZD30268	ARIZONA D:11:4025	NAVAJO		12 556375	4028770	6573	2	0	1	5	1924	1934	
NMM02801	NLC-S-ULC-EM-K	NAVAJO	RECENT	12 730000	3786000	7500	2	0	1	3		1935	
NMG06001	NLC-E-RP-USJ-M	NAVAJO	RECENT	12 765000	3905500	7830	2	0	1	4	1931	1935	
NMN08201	NLC-E-RP-CM-H	NAVAJO		13 232000	3833000	7800	2	0	1	12	1853	1935	

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AZC02402	NA 10921	NAVAJO	RECENT	12 481000	4048000	5700	2	0	1	7	1935	1935	
AZK08143	NFPI-9-30 (NAV FP)	NAVAJO	RECENT	12 650000	3963000	7200	2	0	1	2		1935	
AZK08147	NFPI-24-64A (NAV FP)	NAVAJO	RECENT	12 650000	3984000	7200	2	0	1	2		1935	
AZD02618	AZ-J-55-5A (NNCRMP)	NAVAJO		12 569620	4001180	6550	2	0	1	1		1935	
AZD25601	NLC-W-LLC-WE-K	NAVAJO	RECENT	12 564000	3991000	6500	2	0	1	6	1935	1935	1
AZD29341	ARIZONA D:7:702	NAVAJO		12 550225	4045375	6856	2	0	1	11	1917	1935	1
AZD29343	ARIZONA D:7:706	NAVAJO		12 550410	4045540	6738	2	0	1	9	1934	1935	1
AZD29461	ARIZONA D:11:220	NAVAJO		12 562500	4039200	6718	2	0	1	14	1921	1935	1
AZD29559	ARIZONA D:11:525	NAVAJO		12 565200	4035250	6880	2	0	1	17	1933	1935	4
AZD29563	ARIZONA D:11:535	NAVAJO	RECENT	12 565550	4035275	6939	2	0	1	22	1917	1935	3
AZD30278	ARIZONA D:11:4048	NAVAJO		12 552250	4031660	6420	2	0	1	8	1935	1935	
NMG08912	SITE NL-158	NAVAJO		12 690000	3938000	6500	2	0	1	2		1936	
NMN08701	NLC-E-RP-CM-M	NAVAJO	RECENT	13 245000	3838000	8000	2	0	1	1		1936	
AZD29348	ARIZONA D:7:721	NAVAJO		12 552940	4040100	6575	2	0	1	2		1936	
AZD29394	ARIZONA D:7:4154	NAVAJO		12 554300	4047290	6810	2	0	1	5	1936	1936	1
AZD29395	ARIZONA D:7:4157	NAVAJO		12 554375	4047470	6770	2	0	1	5	1928	1936	
AZD29561	ARIZONA D:11:532	NAVAJO		12 565875	4035525	6939	2	0	1	4	1936	1936	
AZD29577	ARIZONA D:11:564	NAVAJO		12 654350	4034450	6900	2	0	1	2		1936	
AZD30298	ARIZONA D:11:4091	NAVAJO		12 555560	4032530	6525	2	0	1	1		1936	
UTW06401	NLC-N-LSJ-MC-AAA	NAVAJO	RECENT	12 654000	4164000	5600	2		1	1		1937	
AZD29432	ARIZONA D:12:253	NAVAJO		12 567900	4034350	7080	2	0	1	17	1936	1937	1
AZD30243	ARIZONA D:11:1243	NAVAJO		12 562700	4038060	6797	2	0	1	13	1932	1937	1
AZD30782	ARIZONA D:11:4328	NAVAJO		12 549440	4037970	6538	2	0	1	2	1937	1937	
UTW10912	UT 42SA6487	NAVAJO		12 632910	4163450	5830	2		1	2	1933	1938	
NMG08902	SITE PM 7, CORRAL	NAVAJO		12 680700	3945000	6900	2	0	1	1		1938	
NMB17910	LA 52615	NAVAJO	RECENT	13 242465	3988374	6470	2	0		2		1938	
NMB17931	LA 52985	NAVAJO	RECENT	13 241626	3988066	6700		0		2		1938	
AZI02902	WS-687 (NPS)	NAVAJO		12 474000	3932000	4500	2	0	1	4	1938	1938	1
AZK08110	DEFIANCE NAVAJO GRP.	NAVAJO	RECENT	12 660000	3950000	7200	2	0		10	1892	1938	
AZD29334	ARIZONA D:7:498	NAVAJO		12 563830	4040685	6820	2	0	1	4	1924	1938	1
AZD29417	ARIZONA D:12:225	NAVAJO		12 567725	4033050	6988	2	0	1	3		1938	
AZD29424	ARIZONA D:12:236	NAVAJO		12 568200	4028750	7080	2	0	1	8	1937	1938	1
AZD29558	ARIZONA D:11:523	NAVAJO		12 565175	4034900	6939	2	0	1	4	1938	1938	1
AZD29590	ARIZONA D:11:607	NAVAJO		12 566875	4027850	7120	2	0	1	2	1938	1938	
AZD29593	ARIZONA D:11:611	NAVAJO		12 565550	4030650	6978	2	0	1	4	1938	1938	
AZD29596	ARIZONA D:11:631	NAVAJO		12 566400	4034750	7020	2	0	1	10	1938	1938	1
AZD30280	ARIZONA D:11:4051	NAVAJO		12 552925	4033035	6300	2	0	1	3		1938	
AZD30778	ARIZONA D:11:4322	NAVAJO		12 549425	4037390	6548	2	0	1	1	1938	1938	
NMN08101	NLC-E-RP-CM-G	NAVAJO	RECENT	13 234000	3833000	7800	2	0	1	15	1852	1939	1
NMB17908	LA 52705	NAVAJO	RECENT	13 242258	3989024	6490	2	0		3	1933	1939	
AZE05227	PEN-95 (NPS)	NAVAJO	RECENT	12 651425	4003460	7200	2	0	1	4		1939	
AZD02609	JUA-78-52 (NNCRMP)	NAVAJO	RECENT	12 561000	4017000	6500	2	0	1	3	1934	1939	
AZD02622	N 41-16 (NNCRMP)	NAVAJO	RECENT	12 554775	4017990	6560	2	0	1	11	1938	1939	1
AZD29347	ARIZONA D:7:720	NAVAJO		12 553025	4040400	6655	2	0	1	1		1939	
AZD29430	ARIZONA D:12:244	NAVAJO		12 568150	4031950	7040	2	0	1	12	1935	1939	1
AZD29576	ARIZONA D:11:562	NAVAJO		12 564000	4034300	6880	2	0	1	5	1927	1939	
AZD30801	ARIZONA D:11:711	NAVAJO		12 552835	4015550	6580	2	0	1	1	1939	1939	
NMG06301	NLC-E-RP-USJ-K	NAVAJO	RECENT	13 235000	3895000	7300	2	0	1	1		1940	
NMH06301	NLC-E-RP-USJ-K	NAVAJO	RECENT	13 239500	3903000	6900	2	0		1	1940	1940	
NMH07002	SITE CM-183	NAVAJO	RECENT	13 265009	3977520	6920	2	0		1	1940	1940	
AZC02403	NA 11006	NAVAJO	RECENT	12 468000	4071500	5000	2	0	1	3		1940	

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AZD02603	NA 14020	NAVAJO	RECENT	12 569350	4001135	6560	2	0	1	11	1936	1940	2
AZD29405	ARIZONA D:12:205	NAVAJO		12 567800	4037190	7140	2	0	1	17	1850	1940	
AZD29566	ARIZONA D:11:540	NAVAJO		12 566450	4034800	7001	2	0	1	15	1928	1940	2
AZD30233	ARIZONA D:11:1079	NAVAJO		12 563550	4030800	7020	2	0	1	3		1940	
AZD30728	ARIZONA D:11:4186	NAVAJO		12 554425	4036190	6510	2	0	1	2	1928	1940	
UTW10921	UT 42SA6500	NAVAJO		12 632950	4164260	6000	2		1	1	1941	1941	
UTW10927	UT 42SA6512	NAVAJO		12 632990	4164750	6040	2		1	1		1941	
NMB17933	LA 52950	NAVAJO	RECENT	13 241328	3988448	6520	2	0	1	5		1941	
AZK08119	NF-66 (NAV FP)	NAVAJO	RECENT	12 657720	3952550	7480	2	0	1	2	1941	1941	
AZK08192	BIA-C17 (NAV FP)	NAVAJO	RECENT	12 671000	3980000	7200	2	0	1	15	1905	1941	
AZD29504	ARIZONA D:11:361	NAVAJO		12 565610	4037425	6980	2	0	1	11	1713	1941	
AZD29560	ARIZONA D:11:529	NAVAJO		12 565075	4035990	6860	2	0	1	5		1941	
AZD30722	ARIZONA D:11:4160	NAVAJO		12 551700	4034300	6460	2	0	1	7	1941	1941	1
AZD30798	ARIZONA D:15:3	NAVAJO		12 549000	4007000	6400	2	0	1	5	1941	1941	1
AZD30803	ARIZONA D:11:728	NAVAJO		12 548625	4019050	6990	2	0	1	3	1941	1941	
AZD30810	ARIZONA D:12:408	NAVAJO	DECHEL	12 568000	4037000	7000	2	0	1	11	1839	1941	2
UTW10915	UT 42SA6492	NAVAJO		12 632760	4164090	6070	2		1	2	1941	1942	
UTW10922	UT 42SA6501	NAVAJO		12 632950	4164020	5980	2		1	2	1942	1942	
UTW10931	UT 42SA6533	NAVAJO		12 632610	4164340	6090	2	0	1	1		1942	
NMG08925	SITE NL-287	NAVAJO	RECENT	12 692000	3937000	6500	2	0	1	3	1935	1942	
NMH07003	SITE CM-184	NAVAJO	RECENT	13 265010	3977510	6990	2	0	1	1	1942	1942	
NMB17947	LA 52989	NAVAJO	RECENT	13 241047	2988044	6740	2	0	1	1		1942	
AZD29382	ARIZONA D:7:4091	NAVAJO		12 555225	4047935	6850	2	0	1	3	1942	1942	1
AZD29403	ARIZONA D:12:202	NAVAJO		12 567290	4036100	7021	2	0	1	6	1942	1942	
AZD29406	ARIZONA D:12:207	NAVAJO		12 567470	4037400	7120	2	0	1	5	1942	1942	1
AZD29505	ARIZONA D:11:363	NAVAJO		12 564670	4037375	6940	2	0	1	8	1897	1942	2
AZD29517	ARIZONA D:11:384	NAVAJO		12 562510	4037100	6738	2	0	1	8	1898	1942	1
AZD29562	ARIZONA D:11:533	NAVAJO		12 566125	4035200	6978	2	0	1	7	1942	1942	
AZD30203	ARIZONA D:11:653	NAVAJO		12 564600	4030650	7020	2	0	1	13	1920	1942	
AZD30222	ARIZONA D:11:695	NAVAJO		12 565525	4032950	7050	2	0	1	1		1942	
AZD30244	ARIZONA D:11:1261	NAVAJO		12 563350	4032800	6978	2	0	1	3	1939	1942	
AZD30705	ARIZONA D:11:4102	NAVAJO		12 551250	4027190	6565	2	0	1	3	1942	1942	1
AZD30770	ARIZONA D:11:4295	NAVAJO		12 549910	4037710	6497	2	0	1	4	1942	1942	1
UTW10901	UT 42SA6451	NAVAJO		12 632750	4159500	5720	2		1	3	1943	1943	
UTW10916	UT 42SA6493	NAVAJO		12 632620	4164300	6085	2		1	1		1943	
UTW10925	UT 42SA6508	NAVAJO		12 632910	4164510	6080	2		1	2	1943	1943	
UTW10929	UT 42SA6515	NAVAJO		12 632990	4164980	6040	2		1	1		1943	
UTW10930	UT 42SA6531	NAVAJO		12 632750	4164900	6000	2		1	1		1943	
NMG08908	SITE NL-36	NAVAJO		12 687000	3939000	6500		0		1	1943	1943	
AZK08156	NFPI-58-39 (NAV FP)	NAVAJO	RECENT	12 693000	3985000	8800	2	0	1	2		1943	
AZK08189	BIA-C15-17 (NAV FP)	NAVAJO	RECENT	12 655000	3971000	7200	2	0	1	2		1943	
AZD29313	ARIZONA D:7:252	NAVAJO		12 561330	4039700	6698	2	0	1	36	1923	1943	6
AZD29338	ARIZONA D:7:533	NAVAJO		12 563720	4040015	6775	2	0	1	6	1936	1943	1
AZD29383	ARIZONA D:7:4106	NAVAJO		12 550925	4047075	6770	2	0	1	13	1935	1943	1
AZD29427	ARIZONA D:12:240	NAVAJO		12 567375	4029350	7060	2	0	1	32	1942	1943	3
AZD29529	ARIZONA D:11:427	NAVAJO		12 563745	4037900	6830	2	0	1	3	1943	1943	
AZD30202	ARIZONA D:11:651	NAVAJO		12 564520	4030200	6978	2	0	1	6	1916	1943	
AZD30273	ARIZONA D:11:4037	NAVAJO		12 553025	4032440	6410	2	0	1	1	1943	1943	
AZD30704	ARIZONA D:11:4101	NAVAJO		12 551500	4027160	6537	2	0	1	3	1942	1943	
AZD30741	ARIZONA D:11:4226	NAVAJO		12 552475	4034030	6405	2	0	1	8	1943	1943	1
UTW10923	UT 42SA6502	NAVAJO		12 632860	4164260	6020	2		1	1	1944	1944	

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AZD29376	ARIZONA D:7:4067	NAVAJO		12 555320	4047560	6830	2	0	1	4	1944	1944	
AZD29479	ARIZONA D:11:271	NAVAJO		12 560750	4028290	6978	2	0	1	7	1937	1944	
AZD29568	ARIZONA D:11:544	NAVAJO		12 560650	4033900	7001	2	0	1	25	1927	1944	5
AZD30211	ARIZONA D:11:673	NAVAJO		12 566800	4033375	7060	2	0	1	4	1944	1944	
AZD30252	ARIZONA D:11:1388	NAVAJO		12 565600	4032275	7060	2	0	1	2	1942	1944	
AZD30267	ARIZONA D:11:4023	NAVAJO		12 556725	4027760	6527	2	0	1	6	1944	1944	1
AZD30738	ARIZONA D:11:4210	NAVAJO	RECENT	12 551825	4038450	6517	2	0	1	12	1892	1944	2
UTW10908	UT 42SA6480	NAVAJO		12 632900	4159700	5600	2		1	2	1945	1945	
UTW10914	UT 42SA6491	NAVAJO		12 632580	4164010	6080	2		1	2	1945	1945	
UTW10924	UT 42SA6506	NAVAJO		12 632880	4164170	6010	2		1	2	1945	1945	
NMG08901	SITE PM 1, HOGAN	NAVAJO	RECENT	12 678000	3945000	7020	2	0	1	2		1945	
AZI02904	WS-767 (NPS)	NAVAJO		12 468500	3927500	4800	2	0	1	1	1945	1945	
AZD02623	NA 14013	NAVAJO	RECENT	12 562180	4012370	6950	2	0	1	3	1945	1945	
AZD29363	ARIZONA D:7:4037	NAVAJO		12 553325	4045885	6670	2	0	1	13	1928	1945	1
AZD29372	ARIZONA D:7:4050	NAVAJO		12 554475	4046990	6810	2	0	1	24	1814	1945	1
AZD29509	ARIZONA D:11:369	NAVAJO		12 565405	4037600	6918	2	0	1	4		1945	
NMG08930	SITE PM 25, CORRAL	NAVAJO	RECENT	12 681000	3943100	6890	2	0	1	1		1946	
NMG08943	SITE PM 201	NAVAJO	RECENT	12 682005	3946250	6840	2	0	1	3	1944	1946	
NMH07005	SITE CM-186	NAVAJO	RECENT	13 265040	2977500	6850	2	0		2	1946	1946	
AZK08172	NFPI-62-112 (NAV FP)	NAVAJO	RECENT	12 685000	3965000	7900	2	0	1	3	1939	1946	
AZD29492	ARIZONA D:11:310	NAVAJO		12 566500	4039325	6919	2	0	1	15		1946	
AZD30279	ARIZONA D:11:4050	NAVAJO		12 552900	4033100	6300	2	0	1	4	1922	1946	
AZD30297	ARIZONA D:11:4090	NAVAJO		12 555575	4033300	6517	2	0	1	1		1946	
AZD30783	ARIZONA D:11:4329	NAVAJO		12 549790	4038085	6527	2	0	1	9	1869	1946	1
NMG08929	SITE PM 23, CORRAL	NAVAJO	RECENT	12 681000	3943200	7000	2	0	1	1		1947	
NMB17902	LA 52700	NAVAJO	RECENT	13 242093	3988607	6250	2	0		14		1947	
AZC02405	NA 11015	NAVAJO	RECENT	12 486900	4043900	6000	2	0	1	2		1947	
AZE05602	ARIZONA E:12:5	NAVAJO	RECENT	12 660400	4031450	6661	2	0	1	10	1906	1947	1
AZK08163	NFPI-58-8H (NAV FP)	NAVAJO	RECENT	12 694000	3981000	8800	2	0	1	2		1947	
AZD29316	ARIZONA D:7:275	NAVAJO		12 562680	4040750	6738	2	0	1	11	1892	1947	
AZD29327	ARIZONA D:7:408	NAVAJO		12 562140	4042160	6820	2	0	1	6	1892	1947	1
AZD29501	ARIZONA D:11:340	NAVAJO	RECENT	12 560700	4031500	6775	2	0	1	9	1889	1947	1
AZD29515	ARIZONA D:11:382	NAVAJO		12 562130	4037035	6718	2	0	1	17	1811	1947	
AZD30740	ARIZONA D:11:4217	NAVAJO		12 551025	4033330	6486	2	0	1	3		1947	1
AZD30753	ARIZONA D:11:4245	NAVAJO		12 552700	4038220	6440	2	0	1	3	1927	1947	
UTW10920	UT 42SA6497	NAVAJO		12 632800	4163920	6020	2		1	1		1948	
NMG08919	SITE NL-220	NAVAJO	RECENT	12 694000	3936000	6500	2	0	1	1		1948	
AZD29333	ARIZONA D:7:497	NAVAJO		12 564180	4040520	6690	2	0	1	1	1948	1948	
AZD29337	ARIZONA D:7:532	NAVAJO		12 564010	4040080	6775	2	0	1	12	1926	1948	
AZD29381	ARIZONA D:7:4089	NAVAJO		12 554980	4047720	6830	2	0	1	40	1835	1948	2
AZD29401	ARIZONA D:7:4167	NAVAJO		12 553625	4046990	6815	2	0	1	11	1948	1948	
AZD30288	ARIZONA D:11:4066	NAVAJO		12 551325	4027450	6517	2	0	1	5		1948	
AZD30725	ARIZONA D:11:4182	NAVAJO		12 554440	4036040	6547	2	0	1	5	1948	1948	
AZD30779	ARIZONA D:11:4323	NAVAJO		12 549720	4037200	6545	2	0	1	3	1898	1948	
NMG08948	SITE PM 263	NAVAJO	RECENT	12 685500	3947500	7200	2	0	1	2	1949	1949	
NMB17928	LA 52919	NAVAJO	RECENT	13 240674	3988827	6500	2	0	1	2		1949	
AZK08183	NFPI-62 (NAV FP)	NAVAJO	RECENT	12 684000	3962000	8200	2	0	1	9	1906	1949	
AZD29309	ARIZONA D:7:229	NAVAJO		12 561475	4040290	6698	2	0	1	18	1862	1949	1
AZD29325	ARIZONA D:7:321	NAVAJO		12 562975	4041650	6820	2	0	1	12	1949	1949	
AZD29402	ARIZONA D:12:201	NAVAJO		12 567550	4036625	7060	2	0	1	3	1910	1949	
AZD29437	ARIZONA D:12:263	NAVAJO		12 567350	4034175	7180	2	0	1	3	1849	1949	1

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AZD29464	ARIZONA D:11:229	NAVAJO		12 562285	4028940	7090	2	0	1	3	1949	1949	1
AZD29477	ARIZONA D:11:267	NAVAJO		12 560000	4029425	7020	2	0	1	9	1939	1949	
AZD29489	ARIZONA D:11:304	NAVAJO		12 566260	4038380	6978	2	0	1	2		1949	
AZD30253	ARIZONA D:11:1501	NAVAJO		12 566875	4033800	7120	2	0	1	2	1934	1949	
AZD30701	ARIZONA D:11:4094	NAVAJO		12 554710	4037475	6640	2	0	1	2		1949	
AZD30804	ARIZONA D:11:748	NAVAJO		12 553025	4017630	6670	2	0	1	3		1949	
NMA00902	SITE H-26-66	NAVAJO	RECENT	12 275000	4061000	6000	2	0	1	1	1949	1949	
COV13101	NLC-N-LSJ-MEC-T	Navajo		12 704000	4147000	6600	2	0	1	2	1950	1950	
NMM02601	NLC-S-ULC-EM-I	NAVAJO	RECENT	12 730000	3790000	7500	2	0	1	1		1950	
NMN04501	NLC-S-AS-GB-Y	NAVAJO	CABEZO	13 285000	3790000	7000	2	0	1	1		1950	
NMN06401	NLC-S-AS-AC-Q	NAVAJO	RECENT	13 252000	3811000	7400	2	0	1	4		1950	1
NMB17905	LA 52709	NAVAJO	RECENT	13 242336	3989158	6440		0		1		1950	
NMB17929	LA 52986	NAVAJO	RECENT	13 241827	3987886	6710	2	0	1	5	1949	1950	
NMB17932	LA 52992	NAVAJO	RECENT	13 240946	3988180	6680	2	0	1	7		1950	
AZD02601	NA 13767	NAVAJO	RECENT	12 569300	402870	6760	2	0	1	2		1950	
AZD29345	ARIZONA D:7:717	NAVAJO		12 552380	4045660	6700	2	0	1	3		1950	
AZD29438	ARIZONA D:12:264	NAVAJO		12 567300	4034050	7180	2	0	1	2	1950	1950	
AZD29458	ARIZONA D:11:206	NAVAJO		12 566055	4037680	6939	2	0	1	1		1950	
AZD29520	ARIZONA D:11:395	NAVAJO		12 561375	4036450	6679	2	0	1	15	1890	1950	
AZD30260	ARIZONA D:11:4010	NAVAJO		12 552200	4027830	6515	2	0	1	2		1950	
AZD30730	ARIZONA D:11:4192	NAVAJO		12 550290	4039240	6420	2	0	1	16	1938	1950	1
NMB17917	LA 53082	NAVAJO	RECENT	13 242744	3987376	6760	2	0	1	3		1951	
NMB17923	LA 52909	NAVAJO	RECENT	13 241630	3988200	6610		0		3	1949	1951	
NMB17924	LA 52904	NAVAJO	RECENT	13 241868	3988210	6620		0		2		1951	
AZD29303	ARIZONA D:7:206	NAVAJO		12 562090	4041725	6777	2	0	1	27	1951	1951	1
AZD29305	ARIZONA D:7:210	NAVAJO		12 560995	4040700	6820	2	0	1	7	1940	1951	
AZD29306	ARIZONA D:7:221	NAVAJO		12 561575	4041490	6918	2	0	1	46	1938	1951	4
AZD29598	ARIZONA D:11:641	NAVAJO		12 566675	4034150	6978	2	0	1	23		1951	
AZD30214	ARIZONA D:11:682	NAVAJO	RECENT	12 565500	4033150	7099	2	0	1	6	1936	1951	2
AZE05217	PEN-24 (NPS)	NAVAJO	RECENT	12 653310	4010980	7175	2	0		6	1903	1952	
AZK08127	NF-129 (NAV FP)	NAVAJO	RECENT	12 653760	3957480	7420	2	0	1	2		1952	
AZD02608	AZ-J-44-11B (NNCRMP)	NAVAJO	RECENT	12 552230	4018140	6600	2	0	1	8	1949	1952	1
AZD02619	AZ-J-58-1 (NNCRMP)	NAVAJO	RECENT	12 569880	3995240	6320	2	0	1	1		1952	
AZD29487	ARIZONA D:11:294	NAVAJO		12 563200	4029825	7021	2	0	1	3		1952	
AZD30294	ARIZONA D:11:4084	NAVAJO		12 556060	4032590	6544	2	0	1	27	1914	1952	3
UTW10906	UT 42SA6471	NAVAJO		12 633320	4164740	6165	2		1	3	1948	1953	
NMG08926	SITE NL-K22	NAVAJO		12 691000	3937000	6500	2	0	1	2		1953	
AZE05316	C63-67 (BIA)	NAVAJO	RECENT	12 685000	4001000	8700	2	0	1	1	1953	1953	
AZK08130	NF-96 (NAV FP)	NAVAJO	RECENT	12 654180	3958400	7440	2	0	1	1	1953	1953	
AZD29346	ARIZONA D:7:718	NAVAJO		12 553850	4040760	6655	2	0	1	11	1952	1953	3
AZD29374	ARIZONA D:7:4053	NAVAJO		12 551910	4039410	6555	2	0	1	5	1945	1953	1
AZD29499	ARIZONA D:11:333	NAVAJO		12 559900	4031100	6900	2	0	1	34	1890	1953	3
AZD29508	ARIZONA D:11:367	NAVAJO		12 564900	4038000	6900	2	0	1	13	1920	1953	1
AZD29569	ARIZONA D:11:547	NAVAJO		12 559425	4031975	6738	2	0	1	3	1952	1953	
AZD30758	ARIZONA D:11:4252	NAVAJO		12 551260	4038110	6487	2	0	1	15	1945	1953	2
NMN09001	NLC-E-RP-CM-R	NAVAJO	RECENT	13 245000	3875000	6700	2	0	1	1		1954	
AZE04503	NA 11361	NAVAJO	RECENT	12 645600	4011200	6840	2	0	1	12	1941	1954	2
AZK08124	NF-98 (NAV FP)	NAVAJO	RECENT	12 654080	3958380	7440	2	0	1	6	1869	1954	1
AZD29307	ARIZONA D:7:227	NAVAJO		12 561600	4040050	6698	2	0	1	1	1954	1954	
AZD29350	ARIZONA D:7:1111	NAVAJO		12 550800	4045775	6655	2	0	1	5	1954	1954	
AZD29536	ARIZONA D:11:443	NAVAJO		12 560300	4032055	6758	2	0	1	8	1954	1954	

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
AZD30715	ARIZONA D:11:4136	NAVAJO		12 553325	4027910	6442	2	0	1	2		1954	
AZD30776	ARIZONA D:11:4318	NAVAJO		12 549300	4037625	6525	2	0	1	1	1954	1954	
AZD30802	ARIZONA D:11:725	NAVAJO		12 548275	4019225	7040	2	0	1	6	1942	1954	
AZK08185	NFPI-11 (NAV FP)	NAVAJO	RECENT	12 670000	3955000	7200	2	0	1	11	1886	1955	1
AZD29312	ARIZONA D:7:251	NAVAJO		12 561130	4039750	6738	2	0	1	22	1919	1955	3
AZD29474	ARIZONA D:11:258	NAVAJO		12 561300	4029600	7020	2	0	1	17	1942	1955	
AZD29537	ARIZONA D:11:447	NAVAJO	RECENT	12 560070	4031820	6797	2	0	1	7	1953	1955	1
AZD29550	ARIZONA D:11:502	NAVAJO		12 563875	4032080	6958	2	0	1	6		1955	1
AZD30775	ARIZONA D:11:4317	NAVAJO		12 549325	4037570	6525	2	0	1	13		1955	1
AZK08175	NFPI-10-004 (NAV FP)	NAVAJO	RECENT	12 655000	3954000	7200	2	0	1	2	1926	1956	
AZV03904	GFS 89-20	APACHE		12 568500	3762000	0	2	0	1	1	1957	1957	
AZK08186	NFPI-60 (NAV FP)	NAVAJO	RECENT	12 690000	3980000	8500	2	0	1	6		1957	
AZD29588	ARIZONA D:11:601	NAVAJO		12 563900	4033950	7120	2	0	1	8		1957	
AZD29589	ARIZONA D:11:605	NAVAJO		12 564540	4031650	7001	2	0	1	2		1957	
AZD30723	ARIZONA D:11:4164	NAVAJO		12 552100	4033340	6356	2	0	1	2		1957	
AZD30749	ARIZONA D:11:4239	NAVAJO		12 552210	4037460	6583	2	0	1	18	1920	1957	1
AZK08182	NFPI-61 (NAV FP)	NAVAJO		12 688000	3971000	8000	2	0	1	4	1869	1958	
AZD29367	ARIZONA D:7:4043	NAVAJO		12 558460	4042425	7020	2	0	1	13	1949	1958	2
AZD29543	ARIZONA D:11:470	NAVAJO		12 566825	4035375	6958	2	0	1	3	1941	1958	
AZD30221	ARIZONA D:11:693	NAVAJO		12 565260	4032600	7080	2	0	1	2	1957	1958	
AZD30250	ARIZONA D:11:1348	NAVAJO		12 564400	4029905	6880	2	0	1	2		1958	
AZD30289	ARIZONA D:11:4067	NAVAJO		12 551520	4027460	6505	2	0	1	3	1958	1958	1
AZD30709	ARIZONA D:11:4117	NAVAJO		12 550650	4029005	6440	2	0	1	25	1942	1958	2
AZD30716	ARIZONA D:11:4137	NAVAJO		12 553350	4033140	6355	2	0	1	1		1958	
AZD30724	ARIZONA D:11:4175	NAVAJO		12 552050	4034450	6514	2	0	1	6	1958	1958	
AZD30761	ARIZONA D:11:4261	NAVAJO		12 553275	4034825	6517	2	0	1	8	1958	1958	1
AZD30811	ARIZONA D:11:4957	NAVAJO		12 555000	4036000	6500	2	0	1	1		1958	
NMG08957	SITE PM 81	NAVAJO	RECENT	12 683000	3941000	6740	2	0	1	3		1959	
AZD02614	AZ-J-44-10 (NNCRMP)	NAVAJO	RECENT	12 554450	4017980	6580	2	0	1	19	1928	1959	3
AZD29490	ARIZONA D:11:305	NAVAJO		12 566295	4038725	6958	2	0	1	22	1844	1959	1
AZD29572	ARIZONA D:11:555	NAVAJO	RECENT	12 565600	4028900	6880	2	0	1	34	1877	1959	2
AZD29580	ARIZONA D:11:585	NAVAJO		12 566500	4030705	6939	2	0	1	2		1959	
AZD30219	ARIZONA D:11:691	NAVAJO		12 564800	4032005	7060	2	0	1	1		1959	
AZD30223	ARIZONA D:11:698	NAVAJO		12 564760	4032520	7001	2	0	1	4	1938	1959	
AZD30264	ARIZONA D:11:4019	NAVAJO		12 557090	4028560	6660	2	0	1	6		1959	2
AZD30269	ARIZONA D:11:4026	NAVAJO		12 555840	4028380	6505	2	0	1	16	1941	1959	1
AZD02611	JUA-78-152A (NNCRMP)	NAVAJO	RECENT	12 569885	4000450	6520	2	0	1	3	1952	1960	1
AZD02620	JUA-78-152B (NNCRMP)	NAVAJO	RECENT	12 569805	4000550	6500	2	0	1	6	1952	1960	1
AZD29410	ARIZONA D:12:212	NAVAJO		12 568230	4039320	7020	2	0	1	39	1919	1960	7
AZD29465	ARIZONA D:11:237	NAVAJO		12 561350	4027775	6900	2	0	1	34	1920	1960	3
AZD29469	ARIZONA D:11:243	NAVAJO		12 564610	4038950	6840	2	0	1	8		1960	
AZD29524	ARIZONA D:11:412	NAVAJO		12 563750	4033450	6940	2	0	1	15	1950	1960	2
AZD30240	ARIZONA D:11:1193	NAVAJO		12 562350	4033260	6918	2	0	1	3		1960	
AZD30773	ARIZONA D:11:4301	NAVAJO		12 551350	4038540	6547	2	0	1	6		1960	1
AZE05218	PEN-25 (NPS)	NAVAJO	RECENT	12 655060	4012030	7280	2	0	1	2		1961	
AZD29404	ARIZONA D:12:204	NAVAJO		12 567695	4036750	7021	2	0	1	11	1943	1961	2
AZD29502	ARIZONA D:11:343	NAVAJO		12 563750	4030940	7020	2	0	1	2	1961	1961	
AZD30234	ARIZONA D:11:1098	NAVAJO		12 567130	4039100	6939	2	0	1	9	1891	1961	2
AZD30266	ARIZONA D:11:4022	NAVAJO		12 556760	4028630	6630	2	0	1	19	1925	1961	4
NMB17913	LA 53391	NAVAJO	RECENT	13 242216	3987456	6770	2	0		2		1962	
AZI02903	WS-686 (NPS)	NAVAJO		12 473000	3931000	4500	2	0	1	1		1962	



State/Quad	Site Name/Number	Culture	Period	UTM	East	North	Elev	T	S	R	Num	EC	Late	C
AZD19308	ARIZONA D:7:228	NAVAJO		12	560925	4039850	6738	2	0	1	30	1768	1962	2
AZD30245	ARIZONA D:11:1263	NAVAJO	RECENT	12	562510	4033225	6900	2	0	1	6	1962	1962	1
AZD30706	ARIZONA D:11:4104	NAVAJO		12	550930	4027275	6488	2	0	1	2		1962	
AZD30799	ARIZONA D:15:11	NAVAJO		12	553000	4007000	6400	2	0	1	3	1937	1962	
AZD29308	ARIZONA D:7:228	NAVAJO		12	560925	4039850	6738	2	0	1	30	1768	1962	2
NMG08947	SITE PM 261	NAVAJO	RECENT	12	681000	3953000	7300	2	0	1	5	1957	1963	
AZD29579	ARIZONA D:11:578	NAVAJO		12	565325	4034075	7040	2	0	1	9		1963	
AZD30711	ARIZONA D:11:4125	NAVAJO		12	553590	4027550	6478	2	0	1	6		1963	
AZD29516	ARIZONA D:11:383	NAVAJO	RECENT	12	562275	4036870	6660	2	0	1	31	1911	1964	3
AZK08168	NFPI-16-9 (NAV FP)	NAVAJO	RECENT	12	641000	3964000	6600	2	0	1	2	1965	1965	
AZD29373	ARIZONA D:7:4051	NAVAJO		12	555375	4047465	6815	2	0	1	3	1953	1965	
AZD29451	ARIZONA D:11:68	NAVAJO		12	552400	4035290	6415	2	0	1	4		1965	
AZD30217	ARIZONA D:11:685	NAVAJO		12	565375	4032375	7080	2	0	1	10	1948	1965	2
AZD29318	ARIZONA D:7:279	NAVAJO		12	563840	4041570	6777	2	0	1	26	1876	1966	2
AZD29379	ARIZONA D:7:4087	NAVAJO		12	562375	4042270	6800	2	0	1	45	1901	1966	4
AZD30205	ARIZONA D:11:660	NAVAJO		12	565840	4030830	6880	2	0	1	6	1938	1966	
AZD30216	ARIZONA D:11:684	NAVAJO		12	565675	4032800	7000	2	0	1	1	1966	1966	
AZD30261	ARIZONA D:11:4012	NAVAJO		12	554710	4027900	6488	2	0	1	28	1916	1966	3
NMN00201	ACOMA PUEBLO	ACOMA	P5	13	264950	3864650	6410	2	0	1	280	1646	1967	1
AZI02905	WUPATKI RAMADA	NAVAJO		12	473500	3937100	4300	2	0	1	1	1967	1967	
AZD02617	AZ-J-55-16 (NCRMP)	NAVAJO	RECENT	12	568950	4006560	6410	2	0	1	2		1967	1
AZD29415	ARIZONA D:12:223	NAVAJO		12	568100	4035000	7130	2	0	1	7	1967	1967	1
AZD29483	ARIZONA D:11:283	NAVAJO		12	562690	4027600	6919	2	0	1	4	1966	1967	
AZD29485	ARIZONA D:11:291	NAVAJO		12	562925	4029830	6978	2	0	1	4	1898	1967	
AZD29493	ARIZONA D:11:3	NAVAJO		12	566620	4038500	6980	2	0	1	23	1908	1967	3
AZD29514	ARIZONA D:11:380	NAVAJO	RECENT	12	565800	4036560	6918	2	0	1	27	1965	1967	5
AZD29552	ARIZONA D:11:506	NAVAJO		12	563490	4031620	6978	2	0	1	2	1967	1967	
AZD29578	ARIZONA D:11:571	NAVAJO		12	564700	4033500	7001	2	0	1	2		1967	
AZD29594	ARIZONA D:11:614	NAVAJO		12	561190	4032650	6790	2	0	1	1	1967	1967	
AZD30206	ARIZONA D:11:663	NAVAJO	RECENT	12	566825	4034050	7100	2	0	1	18	1870	1967	1
AZD30213	ARIZONA D:11:680	NAVAJO	RECENT	12	565990	4032725	6975	2	0	1	2	1967	1967	1
AZD30215	ARIZONA D:11:683	NAVAJO		12	565500	4033100	7100	2	0	1	3	1967	1967	1
AZD30246	ARIZONA D:11:1267	NAVAJO		12	563850	4031140	7020	2	0	1	2	1967	1967	
AZD30249	ARIZONA D:11:1347	NAVAJO		12	564450	4029500	6939	2	0	1	2	1967	1967	
AZD30277	ARIZONA D:11:4042	NAVAJO	RECENT	12	552600	4032450	6355	2	0	1	3	1967	1967	1
AZD29442	ARIZONA D:12:323	NAVAJO		12	567425	4031250	7050	2	0	1	3	1968	1968	
AZD29564	ARIZONA D:11:536	NAVAJO		12	565875	4035100	6939	2	0	1	5	1967	1968	1
AZD29599	ARIZONA D:11:642	NAVAJO	RECENT	12	566550	4029150	7001	2	0	1	22	1946	1968	1
AZD30208	ARIZONA D:11:668	NAVAJO		12	567075	4032950	7040	2	0	1	15	1925	1968	3
AZD29328	ARIZONA D:7:418	NAVAJO		12	559940	4039750	6738	2	0	1	5	1941	1969	2
AZD29475	ARIZONA D:11:259	NAVAJO		12	560875	4028675	6875	2	0	1	13	1932	1969	
AZD30241	ARIZONA D:11:1194	NAVAJO		12	562575	4033400	6880	2	0	1	8	1941	1969	
AZD30751	ARIZONA D:11:4242	NAVAJO		12	552005	4037775	6520	2	0	1	23	1885	1969	3
AZD30774	ARIZONA D:11:4302	NAVAJO		12	551025	4038480	6416	2	0	1	20	1927	1969	2
AZD29439	ARIZONA D:12:314	NAVAJO		12	567900	4034200	7080	2	0	1	3		1970	
AZD30251	ARIZONA D:11:1352	NAVAJO		12	565425	4029990	6730	2	0	1	1	1970	1970	
AZD29538	ARIZONA D:11:451	NAVAJO	RECENT	12	561950	4032750	6860	2	0	1	22	1870	1971	1
AZD30275	ARIZONA D:11:4040	NAVAJO		12	552740	4031900	6440	2	0	1	30	1912	1971	3
AZD30754	ARIZONA D:11:4246	NAVAJO		12	552600	4038080	6575	2	0	1	24	1887	1971	3
NMH01601	SITE CM-38	PUEBLITO	GOBERN	13	264000	3976000	6800	2	0	1	19	1738	1972	1
AZD29486	ARIZONA D:11:293	NAVAJO		12	563300	4029075	6918	2	0	1	4		1972	1

State/Quad	Site Name/Number	Culture	Period	UTM East	North	Elev	T	S	R	Num	EC	Late	C
AZD29546	ARIZONA D:11:487	NAVAJO	RECENT	12 560875	4034100	6918	2	0	1	59	1938	1972	5
AZD27801	LONG HOUSE VALLEY	NAVAJO	RECENT	12 545600	4055700	7370	2	0	1	20	1933	1973	1
AZD29371	ARIZONA D:7:4047	NAVAJO		12 556200	4044200	6690	2	0	1	8	1882	1973	1
AZD29480	ARIZONA D:11:278	NAVAJO		12 560725	4030150	6958	2	0	1	18	1938	1973	1
AZD29503	ARIZONA D:11:351	NAVAJO		12 562850	4030900	6958	2	0	1	142	1850	1973	1
AZD29365	ARIZONA D:7:4040	NAVAJO		12 555325	4043640	6625	2	0	1	8	1868	1974	1
AZD29377	ARIZONA D:7:4085	NAVAJO		12 563580	4042440	6970	2	0	1	5	1916	1974	
AZD30809	ARIZONA D:8:1219	NAVAJO	RECENT	12 570000	4050000	7000	2	0	1	30	1920	1974	1
AZJ02401	WALPI	HOPI	P5	12 555105	2966205	6270	2	0	2	462	1418	1975	
AZD02607	NA 14026	NAVAJO	RECENT	12 559870	4016550	6560	2	0	1	8	1920	1975	1
AZD30731	ARIZONA D:11:4193	NAVAJO		12 550100	4038650	6478	2	0	1	2	1975	1975	1
AZD30742	ARIZONA D:11:4227	NAVAJO		12 552290	4033600	6355	2	0	1	17	1949	1975	1
AZD29326	ARIZONA D:7:322	NAVAJO		12 563770	4041875	6820	2	0	1	78	1919	1977	5
AZD29551	ARIZONA D:11:504	NAVAJO		12 563625	4031850	6939	2	0	1	18	1977	1977	2
AZD02616	N 41-9 (NNCRMP)	NAVAJO	RECENT	12 559350	4017275	6610	2	0	1	52	1886	1978	1
NMG08801	ZUNI PUEBLO	ZUNI	RECENT	12 696000	3882000	6330	2	0	1	796	1695	1979	
AZD29387	ARIZONA D:7:4119	NAVAJO		12 553225	4049500	7060	2	0	1	8	1961	1979	1
AZD29420	ARIZONA D:12:229	NAVAJO		12 568100	4034500	7040	2	0	1	61	1929	1979	3
AZD30247	ARIZONA D:11:1274	NAVAJO		12 562990	4032275	6900	2	0	1	12	1963	1981	
COV24501	CO 5LP1719	Ute		12 763000	4109000	6600	2	0	1	3	1985	1985	
AZV03901	AZ P:14:8 (WICKIUP)	APACHE		12 536500	3769500	5850	2	0	1	4	1989	1989	1
AZV03903	GFS 89-19	APACHE		12 540000	3765000	5800	2	0	1	7	1986	1989	1
AZV03905	MESCAL PIT	APACHE		12 565500	3763000	5500	1	0	1	1	1989	1989	
AZV03906	ROCK RING	APACHE		12 553250	3789400	5800				1	1989	1989	

Total Number of Sites = 1401

Total Number of Dates = 9316

ANOVA  $F$ -test), but char height was significantly higher on partial-cut plots than on uncut plots ( $9.1 \pm 0.5$  m vs.  $4.3 \pm 0.8$  m;  $p = 0.006$ ; ANOVA  $F$ -test).

There were no interactive or main effects of treatments on understory biomass the first growing season ( $p \geq 0.22$ ; ANOVA  $F$ -test). The second growing season, total understory biomass was affected by an interaction between cutting and burning ( $p = 0.05$ ; ANOVA  $F$ -test). Within the unburned treatment, there was an inverse relationship between overstory reduction and understory production: complete removal of the overstory resulted in the greatest amount of production in the understory (Table 4). Within the burned treatment, both levels of overstory reduction resulted in approximately the same increase in understory production. Burning increased total understory production on uncut and partial-cut plots ( $p < 0.05$ ), but not on clearcut plots ( $p > 0.05$ ) (Table 4). Herbaceous dicots dominated the understory during the second growing season, so results of analysis on herbaceous dicot production were very similar to total production results. The only differences were that burning did not increase herbaceous dicot production on uncut plots and the partial-cut treatment did not increase production on unburned plots (Table 4). Shrub production and woody plant density were unaffected by main or interactive effects of burning and overstory reduction ( $p \geq 0.18$ ; ANOVA  $F$ -test).

Eleven taxa comprised over 93% of the total understory production. Three of the eleven most common taxa were non-native species and two of these (*Chenopodium album* and *Lactuca serriola*) comprised 50% of the understory biomass the second post-treatment growing season (Table 5). *Lactuca serriola* responded to an interaction

	Total		Herbaceous Dicot	
	No Burn	Burn	No Burn	Burn
No Cut	5.8 (4.9) <sup>Aa</sup>	35 (23) <sup>Ba</sup>	0.3 (0.3) <sup>Aa</sup>	13 (5.5) <sup>Aa</sup>
Partial Cut	57 (23) <sup>Ab</sup>	508 (129) <sup>Bb</sup>	31 (24) <sup>Aa</sup>	497 (127) <sup>Bb</sup>
Clearcut	1724 (462) <sup>Ac</sup>	989 (343) <sup>Ab</sup>	1497 (511) <sup>Ab</sup>	955 (357) <sup>Ab</sup>

	Graminoid		Shrub	
	No Burn	Burn	No Burn	Burn
No Cut	0.0 (0.0) <sup>Aa</sup>	3.3 (2.8) <sup>Aa</sup>	5.4 (4.5) <sup>Aa</sup>	19 (15) <sup>Aa</sup>
Partial Cut	1.0 (1.0) <sup>Aa</sup>	2.7 (2.2) <sup>Aa</sup>	25 (4.1) <sup>Aa</sup>	7.9 (3.8) <sup>Aa</sup>
Clearcut	52 (27) <sup>Aa</sup>	7.7 (7.2) <sup>Aa</sup>	175 (158) <sup>Aa</sup>	26 (12) <sup>Aa</sup>

TABLE 4. Understory biomass (kg/ha) measured in July of 2000 in a ponderosa pine stand in the Black Hills, South Dakota. Means (SE) are presented. Numbers in the same row followed by similar upper-case superscripts did not differ ( $p > 0.05$ ). Numbers in the same column followed by similar lower-case superscripts did not differ ( $p > 0.05$ ).

	<i>Ambrosia artemisiifolia</i>	<i>Amaranthus retroflexus</i>	<i>Apocynum androsaemifolium</i>	<i>Chenopodium album</i> *
CCBU	0 (0)	51 (50)	52 (30)	156 (142)
CCNB	0 (0)	0 (0)	239 (220)	93 (58)
PCBU	82 (72)	0 (0)	85 (28)	88 (33)
PCNB	0 (0)	0 (0)	22 (22)	0 (0)
NCBU	0 (0)	0 (0)	4.7 (1.0)	0 (0)
NCNB	0 (0)	0 (0)	0.5 (0.5)	0 (0)

	<i>Chenopodium gigantospermum</i>	<i>Cynoglossum officinale</i> *	<i>Helianthus annuus</i>	<i>Lactuca serriola</i> *
CCBU	290 (290)	16 (16)	147 (132)	182 (137)
CCNB	0 (0)	104 (68)	0 (0)	997 (495)
PCBU	78 (39)	0 (0)	0 (0)	150 (73)
PCNB	0 (0)	0 (0)	0 (0)	3.5 (3.4)
NCBU	0 (0)	0 (0)	0 (0)	2.1 (2.1)
NCNB	0 (0)	0 (0)	0 (0)	0 (0)

	<i>Carex</i> sp.	<i>Amorpha canescens</i>	<i>Juniperus communis</i>	Total Production
CCBU	7.6 (7.0)	15 (8.3)	0 (0)	989 (343)
CCNB	32 (19)	30 (19)	129 (129)	1724 (462)
PCBU	2.6 (2.4)	0 (0)	0 (0)	508 (129)
PCNB	1.1 (1.1)	16 (6.9)	0 (0)	57 (23)
NCBU	0 (0)	12 (11)	0 (0)	35 (23)
NCNB	0 (0)	4.4 (4.3)	0 (0)	5.8 (4.9)

\* Non-native species

TABLE 5. Biomass (kg/ha) of the eleven taxa that comprised more than 93% of the total understory production the second growing season (2000) in a ponderosa pine stand in the Black Hills, South Dakota. Means (SE) by treatment combination are presented. Treatments are CC, clearcut; PC, partial cut; NC, uncut; BU, burn; and NB unburned.

between burning and overstory reduction ( $p = 0.004$ ; ANOVA  $F$ -test), while *C. album* responded to the main effect of cutting ( $p = 0.03$ ; ANOVA  $F$ -test). Complete removal of the overstory with no burn elicited the largest response of *L. serriola* (Table 6).

Response of *C. album* was larger on clearcut plots than on uncut plots ( $125 \pm 70$  kg/ha vs.  $0 \pm 0$  kg/ha). *Apocynum androsaemifolium*, the third most common taxa, did not respond significantly to either treatment ( $p \geq 0.08$ ; ANOVA  $F$ -test).

The interaction between overstory reduction and burning affected richness ( $p = 0.04$ ; ANOVA  $F$ -test), but not evenness ( $p = 0.49$ ; ANOVA  $F$ -test). In the absence of burning, there was an inverse relationship between overstory removal and species richness (Table 7), whereas overstory reduction had no effect on species richness in burned plots. Burning caused species richness to increase only in plots with an intact overstory. Overstory reduction had no effect on evenness ( $p = 0.49$ ; ANOVA  $F$ -test), while burned plots were more diverse than unburned plots ( $1.45 \pm 0.10$  vs.  $0.94 \pm 0.13$ ;  $p = 0.01$ ; ANOVA  $F$ -test). Many of the species that responded to overstory reduction and burning were non-native species. The number of non-native species in this stand increased from 0 (pre-treatment) to 13 (post-treatment) (Table 8).

Cluster analysis revealed clear differences in understory vegetation biomass in response to burning and overstory reduction. Unburned plots subjected to overstory reduction clustered with burned, uncut plots (plots 12, 13, 17, 5, 3, 8, 16, 10, and 6), whereas the remaining burned plots clustered with clearcut, unburned plots (plots 9, 1, 7, 14, 15, 2, 4, 18, and 11) (Fig. 8).

<i>Lactuca serriola</i>		
	No Burn	Burn
No Cut	0 (0) <sup>Aa</sup>	2.1 (2.1) <sup>Aa</sup>
Partial Cut	3.5 (3.4) <sup>Aa</sup>	150 (73) <sup>Bb</sup>
Clearcut	997 (495) <sup>Ab</sup>	182 (137) <sup>Bb</sup>

TABLE 6. Biomass (kg/ha) by treatment combination of *Lactuca serriola* during the second post-treatment (2000) growing season in a ponderosa pine stand in the Black Hills, South Dakota. Means (SE) are presented. Numbers in the same row followed by similar upper-case superscripts did not differ ( $p > 0.05$ ). Numbers in the same column followed by similar lower-case superscripts did not differ ( $p > 0.05$ ).

	No Burn	Burn
No Cut	2.7 (0.7) <sup>Aa</sup>	8.3 (3.0) <sup>Ba</sup>
Partial Cut	8.0 (2.0) <sup>Ab</sup>	10.0 (0) <sup>Aa</sup>
Clearcut	15.3 (1.5) <sup>Ac</sup>	11.7 (0.7) <sup>Aa</sup>

TABLE 7. Species richness (mean number of species per plot) by treatment combination during the second post-treatment (2000) growing season in a ponderosa pine stand in the Black Hills, South Dakota. Means (SE) are presented. Numbers in the same row followed by similar upper-case superscripts did not differ ( $p > 0.05$ ). Numbers in the same column followed by similar lower-case superscripts did not differ ( $p > 0.05$ ).



Native	Non-native
<b>Graminoids</b>	
<i>Andropogon scoparius</i> Michx. <i>Bouteloua curtipendula</i> (Michx.) Torr. <i>Carex</i> sp. L. <i>Poa pratensis</i> L.	
<b>Herbaceous Dicots</b>	
<i>Anemone patens</i> L. <i>Apocynum androsaemifolium</i> L. <i>Artemisia ludoviciana</i> Nutt. <i>Smilacina stellata</i> (L.) Desf. <i>Solidago</i> sp. L.	
<b>Shrubs and trees</b>	
<i>Amelanchier alnifolia</i> Nutt. <i>Amorpha canescens</i> Pursh <i>Berberis repens</i> Lindl. <i>Juniperus communis</i> L. <i>Juniperus horizontalis</i> Moench <i>Pinus ponderosa</i> Laws. <i>Prunus virginiana</i> L. <i>Quercus macrocarpa</i> Michx. <i>Symphoricarpos occidentalis</i> Hook. <i>Toxicodendron rydbergii</i> (Small) Greene	

TABLE 8a. List of all pretreatment (1998) taxa sampled and identified on research plots in a ponderosa pine stand in the Black Hills, South Dakota. Nomenclature follows Great Plains Flora Association (1986).

Native	Non-native
<b>Graminoids</b>	
<i>Agropyron caninum</i> L.	<i>Bromus japonicus</i> Thunb. Ex Murr.
<i>Andropogon gerardii</i> Vitman	<i>Setaria viridis</i> (L.) Beauv.
<i>Bouteloua curtipendula</i> (Michx.) Torr.	
<i>Carex</i> sp. L.	
<i>Dichanthelium oligosanthes</i> (Schult.) Gould	
<i>Poa pratensis</i> L.	
<b>Herbaceous Dicots</b>	
<i>Ambrosia artemisiifolia</i> L.	<i>Chenopodium album</i> L.
<i>Amaranthus retroflexus</i> L.	<i>Convolvulus arvensis</i> L.
<i>Anemone patens</i> L.	<i>Conyza canadensis</i> Cronq.
<i>Apocynum androsaemifolium</i> L.	<i>Cynoglossum officinale</i> L.
<i>Chenopodium berlandieri</i> Moq.	<i>Lactuca serriola</i> L.
<i>Chenopodium gigantospermum</i> Aellen	<i>Medicago lupulina</i> L.
<i>Chenopodium pratericola</i> Rybd.	<i>Melilotus officinalis</i> (L.) Pall.
<i>Glycyrrhiza lepidota</i> Pursh	<i>Nepeta cataria</i> L.
<i>Helianthus annuus</i> L.	<i>Taraxacum officinale</i> Weber
<i>Penstemon albidus</i> Nutt.	<i>Tragopogon dubius</i> Scop.
<i>Solidago missouriensis</i> Nutt.	<i>Verbascum thapsus</i> L.
<i>Verbena bracteata</i> Laq. & Rodr.	
<b>Shrubs and trees</b>	
<i>Amelanchier alnifolia</i> Nutt.	
<i>Amorpha canescens</i> Pursh	
<i>Berberis repens</i> Lindl.	
<i>Juniperus communis</i> L.	
<i>Pinus ponderosa</i> Laws.	
<i>Prunus virginiana</i> L.	
<i>Quercus macrocarpa</i> Michx.	
<i>Rhus glabra</i> L.	
<i>Ribes</i> sp. L.	
<i>Rubus idaeus</i> L.	
<i>Toxicodendron rydbergii</i> (Small) Greene	

TABLE 8b. List of all identified taxa sampled on research plots during the second post-treatment growing season (2000) in a ponderosa pine stand in the Black Hills, South Dakota. Nomenclature follows Great Plains Flora Association (1986).

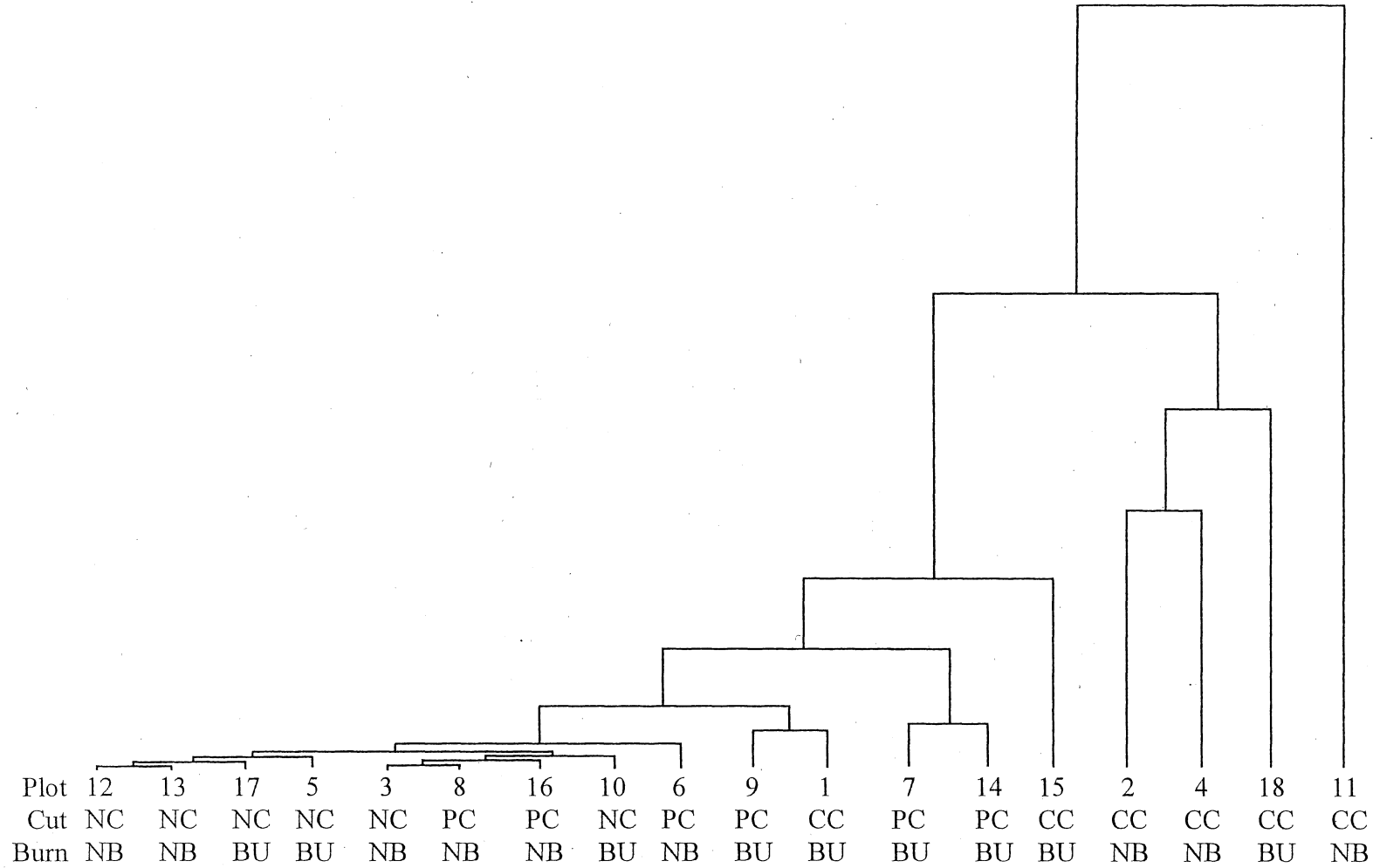


FIG. 8. Cluster analysis of understory biomass by plot the second post-treatment growing season (2000) in a ponderosa pine stand in the Black Hills, South Dakota. Treatments are CC, clearcut; PC, partial cut; NC, uncut; BU, burned; NB, unburned.

Soil moisture did not respond to interactions between sampling date, overstory reduction and burning ( $p > 0.15$ ; MANOVAR Wilks' Lambda  $F$ -test), but soil temperature responded to an interaction between sampling date and burning ( $p = 0.04$ ; MANOVAR Wilks' Lambda  $F$ -test). Overstory removal and burning increased afternoon soil temperatures ( $p < 0.0001$ ; MANOVAR Wilks' Lambda  $F$ -test). Within all sampling dates, soil temperature was higher in burned plots than in unburned plots ( $p < 0.0012$ ; MANOVAR Wilks' Lambda  $F$ -test) (Fig. 9). Soil moisture responded to the main effect of overstory removal ( $p = 0.0002$ ; MANOVAR Wilks' Lambda  $F$ -test), but not burning ( $p = 0.07$ ; MANOVAR Wilks' Lambda  $F$ -test). Overstory removal generally increased soil moisture (Fig. 10).

Litter depth did not respond to an interaction between overstory reduction and burning ( $p = 0.84$ ; ANOVA  $F$ -test). Burning significantly reduced the litter layer ( $3.6 \pm 0.3$  cm vs.  $5.0 \pm 0.2$  cm;  $p = 0.005$ ; ANOVA  $F$ -test) and there was no effect of cutting treatments on litter depth ( $p = 0.96$ ; ANOVA  $F$ -test).

Number of viable seeds in the soil seed bank did not differ as a function of main or interactive effects of treatments, and did not vary over time ( $p > 0.28$ ; MANOVAR Wilks' Lambda  $F$ -test) (Table 9). At least 2 of the species in the soil seed bank were non-native species and these 2 species were also present in the understory the second growing season.

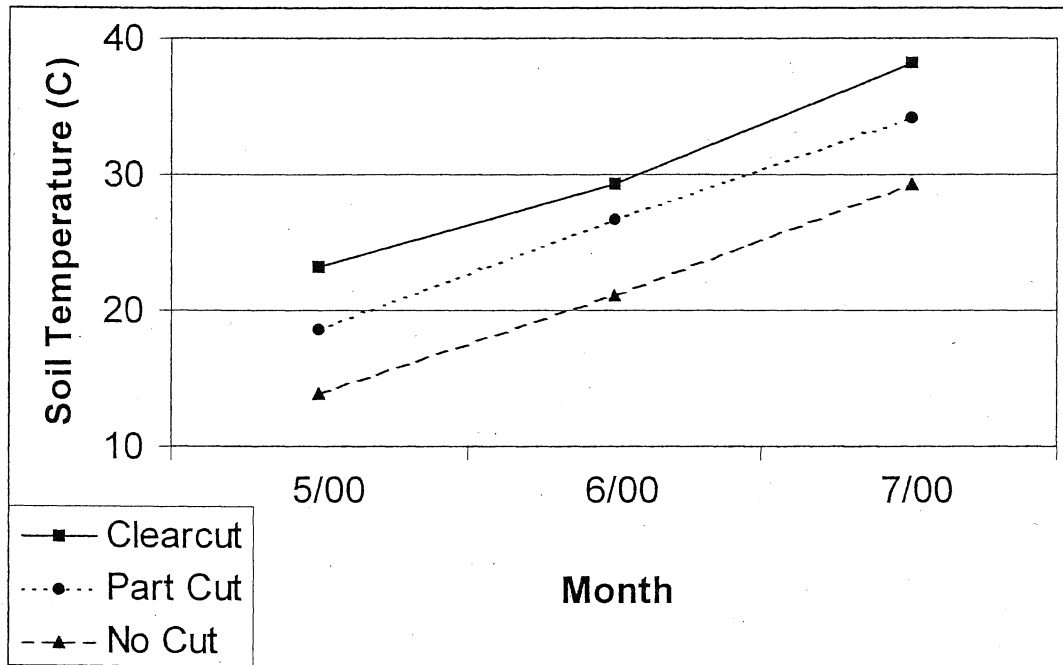
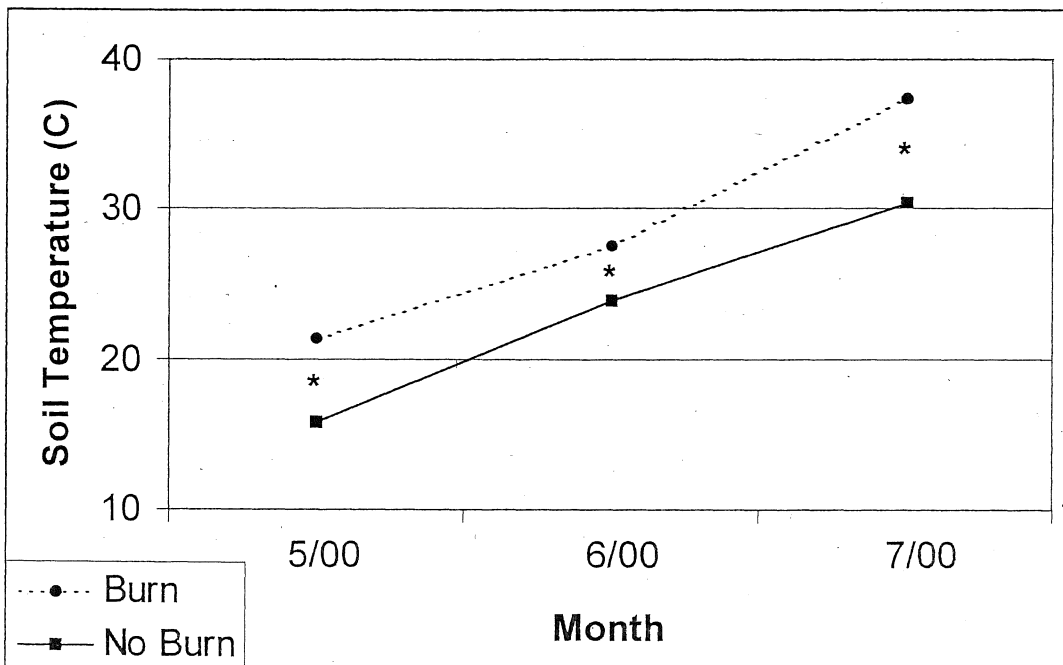


Fig. 9a. Afternoon soil temperatures (C) by overstory reduction treatment the second post-treatment growing season (2000) in a ponderosa pine stand in the Black Hills, South Dakota.



b. Afternoon soil temperatures (C) by burning treatment the second post-treatment growing season (2000) in a ponderosa pine stand in the Black Hills, South Dakota. Asterisk (\*) denotes differences in soil temperature within a month ( $p < 0.05$ ).

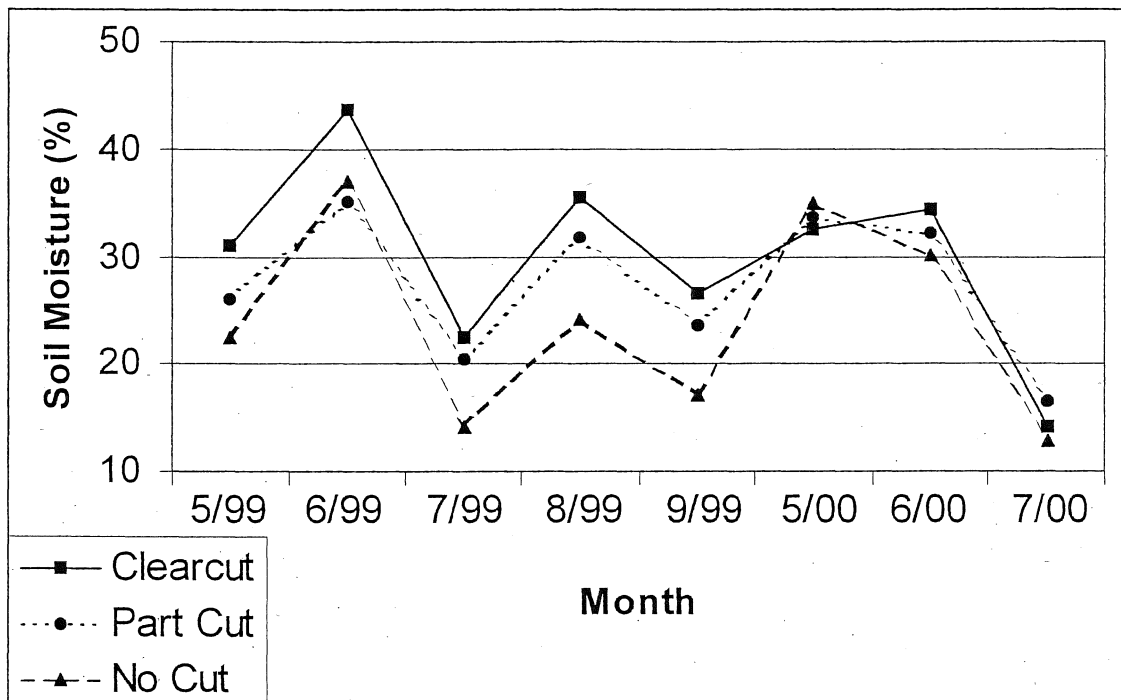
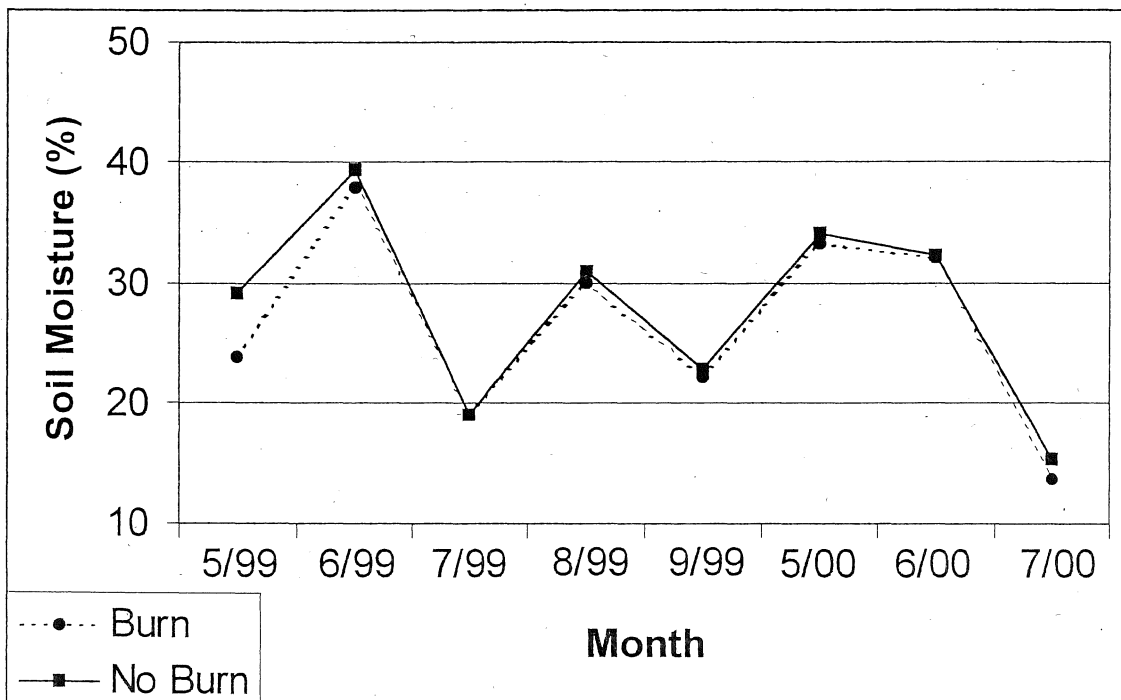


FIG. 10a. Post-treatment soil moisture (%) by overstory reduction treatment in a ponderosa pine stand in the Black Hills, South Dakota.



b. Post-treatment soil moisture (%) by burning treatment in a ponderosa pine stand in the Black Hills, South Dakota.

	1998	1999		1999
Graminoid	3	2	<i>Antennaria</i> sp. Gaertn.	1
Herbaceous dicot	17	50	<i>Campanula rotundifolia</i> L.	4
Herbaceous monocot	4	4	<i>Conyza canadensis</i> (L.) Cronq.*	5
Shrub	0	1	<i>Iris</i> sp. L.	4
Total seedlings	24	57	<i>Melilotis officinalis</i> (L.) Pall.*	1
Total seed/m <sup>2</sup>	78	186	<i>Rhus glabra</i> L.	1
			<i>Rumex</i> sp. L.	31
			<i>Verbena</i> sp. L.	4
			Unknown dicot	4
			Unknown graminoid	2
			Total seedlings	57
			Total seeds/m <sup>2</sup>	186

\* Non-native species

TABLE 9. Total number of seedlings in August 1998 and May 1999 soil seed bank samples in ponderosa pine stands in the Black Hills, South Dakota. May 1999 seedlings were identified to genus and species when possible.

## DISCUSSION

Overstory reduction and prescribed burning show promise in restoring understory production in ponderosa pine stands in the Black Hills. Understory vegetation did not respond the first growing season after restoration treatments were applied, but understory vegetation responded vigorously the second growing season. Production ranged from 6 kg/ha on untreated plots to 1724 kg/ha on clearcut/unburned plots, and there was no difference in vegetation biomass between clearcut/burned and clearcut/unburned plots.

These results are similar to other overstory-removal studies in Black Hills ponderosa pine stands. Vegetation production was 1214 kg/ha on a west-facing slope three years after clearcutting pine in the northern Black Hills (Thompson and Gartner 1971) and 1931 kg/ha on clearcut plots 10 years after overstory removal (Uresk et al. 2000). Understory biomass was 1179 kg/ha 13 years after thinning the stand to a basal area of approximately 14 m<sup>2</sup>/ha in the latter study. Similar patterns of understory production were observed in Black Hills ponderosa pine stands with varying overstory canopy cover and basal area (Pase and Hurd 1957, Pase 1958, Wrage 1994).

No studies of the effects of prescribed burning combined with overstory reduction have been conducted in the Black Hills, and few comparable studies have been conducted elsewhere. A restoration study in a ponderosa pine stand in northern Arizona reported understory herbaceous production increased more after thinning a pole-sized stand than after a combination of thinning and prescribed burning (Covington et al. 1997). In the current study, either level of overstory reduction, in combination with burning, produced a similar response in understory biomass. It is possible that the level of overstory



reduction was confounded by mortality of ponderosa pine resulting from the prescribed burn, as fire-induced mortality was higher in partial-cut plots than in uncut plots.

The one-year lag in response of understory vegetation in the current study reflects patterns observed in ponderosa pine forests of northern Arizona following wildfire (Pearson et al. 1972, Campbell et al. 1977). A similar pattern was observed during an overstory removal study in oak woodlands of southeastern Arizona (McPherson and Weltzin 1998). McPherson and Weltzin hypothesized that the lag resulted from time required to colonize the understory or a lag in increased nutrient availability. Either of these hypotheses could explain the delayed response in this study. The paucity of viable seeds in the soil seed bank observed in this study could be seen as support for the hypothesis of time required to colonize the understory.

I found very few viable seeds in the soil seed bank beneath the ponderosa pine stand in this study. A wide range of viable seed densities has been reported from other seed bank studies in ponderosa pine forests. Two studies conducted in northern Arizona reported seed densities of 8 to 3,152 seeds/m<sup>2</sup> (Vose and White 1987, Springer 1999), and a study conducted in Washington reported viable seed densities from 13,052 to 14,463 seeds/m<sup>2</sup> (Pratt et al. 1984). The latter study was conducted in a stand with a diverse and abundant understory located in a transition zone between meadow steppe and ponderosa pine forest vegetation, which probably contributed to the high viable seed densities.

There was no apparent correlation between understory vegetation and viable seeds in the soil seed bank, and species that comprised a majority of the biomass the second

growing season, including some non-native species, tended to be species considered "weedy" with small, easily dispersed seeds. This lends support to the hypothesis that the species that responded to the treatments of burning and overstory reduction were not present in the soil seed bank, but colonized the site from external sources. This is consistent with findings of a soil seed bank study in a ponderosa pine forest in northern Arizona (Vose and White 1987).

Abiotic conditions necessary for colonization of understory vegetation probably existed the first growing season after treatments were imposed. Reduction or removal of the overstory increased light availability and soil moisture, and an increase in soil temperature on treated plots was still evident the second growing season. Burning had a similar, but less substantial, affect on soil moisture and a greater affect on soil temperature. Assuming that all the abiotic conditions for vegetation growth existed, lack of a soil seed bank could explain the lack of response by understory vegetation the first growing season after application of restoration treatments. The paucity of viable seeds in the soil seed bank may have resulted from the absence of disturbances in this stand for nearly a century (Chapter 3). The number of viable seeds in the soil seed bank of forests with very long fire intervals probably declines as a result of seed death and decreases in seed input (Peterson and Carson 1996).

The inverse relationship between species richness and overstory cover documented on unburned plots in this study parallels findings from other ponderosa pine stands in the Black Hills (Uresk and Severson 1989, Wrage 1994). However, burned plots were equally rich regardless of the extent of overstory reduction and species were

distributed more evenly on burned plots than on unburned plots. Three shrub taxa (*Rhus glabra* L., *Ribes* sp. L., and *Rubus ideaus* L.) colonized disturbed plots during the second growing season. *Prunus virginiana* L., *Amelanchier alnifolia* Nutt., and *Berberis repens* Lindl. have been reported as important species for deer winter forage (Dietz 1972, Schneeweis et al. 1972). All of these species were present during the second post-treatment growing season, but as seedlings, they comprised a small fraction of the total production. However, they do have the potential to contribute substantial biomass in the future. There were more new species of herbaceous dicot than any other guild the second growing season.

At the community level, the cluster analysis revealed clear differences in vegetation response to treatments. Burning had a large impact on understory species composition beneath a manipulated overstory, and this response was generally similar to the impact of complete overstory removal. Conversely, understory species composition was little altered by burning beneath an uncut overstory, which matched understory response beneath unburned stands that were not clearcut.

Not surprisingly, prescribed burning decreased the depth of the litter layer. Burning reduced the litter layer by about 30% in a patchy pattern, such that mineral soil was exposed in some areas. The prescribed burn was a surface fire, so the overstory canopy was not consumed by the fire. However, there was considerable mortality of ponderosa pine that resulted from the prescribed burn. This was unexpected as the weather conditions on the day of the burn were well within the prescription. Fire behavior observed while burning the uncut areas around the plots did not suggest that the

plots would burn with sufficient intensity to produce high ponderosa pine mortality. The fire behavior observed when the plots were burned was different than that observed in the preceding two days even though weather conditions were almost identical. Season of the prescribed burn may have contributed to the high mortality. Higher ponderosa pine mortality has been reported following spring and summer prescribed burns than after autumn prescribed burns (Swezy and Agee 1991, Harrington 1993). Fine-root mortality has also been suggested as a possible factor in ponderosa pine mortality following prescribed burning (Swezy and Agee 1991).

Fire-induced mortality of ponderosa pine on the partial-cut plots possibly confounded the results of vegetation response on these plots. The similarities between clearcut/burned plots and partial-cut/burned plots potentially will become more pronounced as the remaining needles are lost from the canopy, the branches weather and break off, and eventually the snags fall down.

Response of understory vegetation to overstory reduction and prescribed burning is encouraging for restoration efforts in ponderosa pine. Total understory production increased significantly two growing seasons after application of restoration treatments, despite the apparent lack of viable seeds in the soil seed bank before treatments were applied. Complete overstory removal produced the greatest response in total understory biomass, and response was unaffected by prescribed burning. If restoration of understory production is the management goal, small clearcut areas may be the most appropriate treatment. Combinations of overstory reduction and prescribed burning may be desirable restoration treatments if increasing understory species diversity is the goal because

overstory reduction increased understory species richness while prescribed burning increased understory species evenness. If clearcutting, even in small patches, is not a management option, then partial overstory reduction combined with prescribed burning appears to be the best restoration treatment to increase understory production. The burn prescription probably should be modified to reduce overstory ponderosa pine mortality in thinned stands. I would recommend a backfire ignition technique or a strip-headfire technique using strips  $\leq 5$  m to control fire intensity.

I feel that it is too soon to make recommendations about treatments for the restoration of deer and elk winter range. Understory species identified as important deer and elk winter forage, primarily shrubs, potentially will take longer to respond to the restoration treatments. Nonetheless, understory species consumed by deer and elk during the summer months responded vigorously to restoration treatments. Abundant utilization of herbaceous dicots by deer or elk (notably *Lactuca serriola*) was observed the second growing season after restoration treatments were applied.

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## CHAPTER 5

### Conclusions

Major disturbances had been absent from the ponderosa pine stand where this study was conducted for almost a century. The last fire that was recorded on any tree sampled in this stand was 1879 and the stand was last logged in 1903 to 1904. The majority of the trees growing on the site in 1998 germinated between the fire of 1879 and the logging in 1903-04. Fire frequency for this site is similar to the fire frequencies reported for pine savannas in the southern Black Hills, suggesting that this site was more savanna-like before the cessation of fires.

Before application of the restoration treatments, this stand had very high density, basal area, and overstory canopy cover, and the understory was comprised largely of pine needles. Understory biomass was low, as were species richness and evenness.

Understory vegetation did not respond to the restoration treatments the first growing season. However, there were differences in understory biomass the second growing season. Understory biomass on clearcut/unburned and clearcut/burned plots was statistically equivalent and larger than on the other treatments. There was an inverse relationship between understory biomass and overstory reduction in the absence of burning. Burning increased understory biomass on uncut and clearcut plots. Overstory reduction increased understory species richness and prescribed burning increased understory species evenness. Herbaceous dicots comprised nearly all of the understory biomass, and two non-native herbaceous dicots made up half of the understory biomass.

Overstory reduction did not effect species richness on plots that were burned, but there was an inverse relationship between overstory reduction and species richness in the absence of burning. In terms of evenness, burned plots were more diverse than unburned plots.

The seedling emergence method used to sample the soil seed bank is limited in that it only provides an estimate of the number of viable seeds in the soil seed bank. Environmental cues required to break dormancy, and environmental conditions required for germination and growth for all species present in the soil seed bank are not provided with this method (Brown 1992). Very few seeds were found in the soil seed bank. The vigorous response of understory species the second growing season after treatments were applied suggests that paucity of viable seeds in the soil seed bank does not constrain recruitment of understory species.

Significant mortality of ponderosa pine resulted from the prescribed burn, both on uncut and partial-cut plots. This was an unanticipated response because the weather conditions were well within the prescription. Season of the prescribed burn may have contributed to the high mortality. Higher ponderosa pine mortality has been reported following spring and summer prescribed burns than after autumn prescribed burns (Swezy and Agee 1991, Harrington 1993). Fine-root mortality has also been suggested as a possible factor in ponderosa pine mortality following prescribed burning (Swezy and Agee 1991). Mortality was twice as high on partial cut plots than on uncut plots and there was a similar trend in char height, it appears that the burn was much more intense on the partial cut plots. This may have been the result of better airflow through the

partially cut stands. The ignition technique could be modified for future burns in an attempt to reduce mortality. I would suggest using an ignition technique similar to that used by Kalabokidis and Wakimoto (1992). They used strip-headfires at 5-m intervals and each strip was allowed to burn to a low intensity before the next strip was ignited. This minimized fire interactions among successive strips and they were able to hold the fire within desired levels of intensity.

I think that it is too early to declare the success or failure of these treatments for restoring deer and elk winter range. The species that responded to the treatments the second growing season are generally “weedy” species that can colonize disturbed areas quickly, in part because of small, easily dispersed seeds. They are not necessarily species that are important winter forage for deer and elk. Important species for deer and elk winter range, such as *Prunus virginiana*, *Amelanchier alnifolia*, and *Berberis repens*, are present at this site, but as seedlings, they comprised a small fraction of the total production. Since these species were relatively scarce before treatments were applied, colonization will have to come from off the site, which will take longer because these species have larger seeds that are not easily dispersed.

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**APPENDIX A:**

**Pre- and Post-treatment Data for Ponderosa Pine Restoration Study**

**Badger GPA in the northern Black Hills, South Dakota**

## Species List

AGCA	<i>Agropyron caninum</i> (L.) Beauv.	slender wheatgrass
AMAL	<i>Amelanchier alnifolia</i> Nutt.	Saskatoon serviceberry
AMAR	<i>Ambrosia artemisiifolia</i> L.	common ragweed
AMCA	<i>Amorpha canescens</i> Pursh	lead plant
AMRE	<i>Amaranthus retroflexus</i> L.	rough pigweed
ANGE	<i>Andropogon gerardii</i> Vitman	big bluestem
ANSC	<i>Andropogon scoparius</i> Michx.	little bluestem
ANPA	<i>Anemone patens</i> L.	pasque flower
APAN	<i>Apocynum androsaemifolium</i> L.	spreading dogbane
ARLU	<i>Artemisia ludoviciana</i> Nutt.	white sage
BERE	<i>Berberis repens</i> Lindl.	Oregon grape
BOCU	<i>Bouteloua curtipendula</i> (Michx.) Torr.	sideoats grama
BRJA	<i>Bromus japonicus</i> Thunb. ex Murr.	Japanese brome
CARX	<i>Carex</i> sp. L.	sedge
CHAL	<i>Chenopodium album</i> L.	lamb's quarters
CHBE	<i>Chenopodium berlandieri</i> Moq.	pitseed goosefoot
CHGI	<i>Chenopodium gigantospermum</i> Aellen	maple-leaved goosefoot
CHPR	<i>Chenopodium pratericola</i> Rydb.	
CIRS	<i>Cirsium</i> sp. P. Mill.	thistle
COAR	<i>Convolvulus arvensis</i> L.	field bindweed
COCA	<i>Coryza canadensis</i> (L.) Cronq.	horse-weed
CYOF	<i>Cynoglossum officinale</i> L.	hound's tongue
DIOL	<i>Dichanthelium oligosanthes</i> (Schult.) Gould var. <i>scribnerianum</i> (Nash) Gould	
EUPH	<i>Euphorbia</i> sp. L.	spurge
GECA	<i>Geranium carolinianum</i> L.	Carolina cranesbill
GLLE	<i>Glycyrrhiza lepidota</i> Pursh	wild licorice
HEAN	<i>Helianthus annuus</i> L.	common sunflower
JUCO	<i>Juniperus communis</i> L.	common juniper
JUHO	<i>Juniperus horizontalis</i> Moench	creeping juniper
LASE	<i>Lactuca serriola</i> L.	prickly lettuce
LIPU	<i>Liatris punctata</i> Hook.	gay-feather
MELU	<i>Medicago lupulina</i> L.	black medic
MEOF	<i>Melilotus officinalis</i> (L.) Pall.	yellow sweetclover
NECA	<i>Nepeta cataria</i> L.	catnip
ONMO	<i>Onosmodium molle</i> Michx.	false gromwell
PEAL	<i>Penstemon albidus</i> Nutt.	white beardtongue
PIPO	<i>Pinus ponderosa</i> Laws.	ponderosa pine
POPR	<i>Poa pratensis</i> L.	Kentucky bluegrass
PRVI	<i>Prunus virginiana</i> L.	chokecherry
QUMA	<i>Quercus macrocarpa</i> Michx.	bur oak
RHGL	<i>Rhus glabra</i> L.	smooth sumac
RIBE	<i>Ribes</i> sp. L.	current, gooseberry



ROSA	<i>Rosa</i> sp. L.	wild rose
RUID	<i>Rubus idaeus</i> L.	red raspberry
SEVI	<i>Setaria viridis</i> (L.) Beauv.	green foxtail
SMST	<i>Smilacina stellata</i> (L.) Desf.	spikenard
SOLI	<i>Solidago</i> sp. L.	goldenrod
SOMI	<i>Solidago missouriensis</i> Nutt.	prairie goldenrod
SYOC	<i>Symphoricarpos occidentalis</i> Hook.	western snowberry
TAOF	<i>Taraxacum officinale</i> Weber	common dandelion
TRDU	<i>Tragopogon dubius</i> Scop.	goat's beard
TORY	<i>Toxicodendron rydbergii</i> (Small) Greene	poison ivy
VEBR	<i>Verbena bracteata</i> Lag. & Rodr.	prostrate vervain
VETH	<i>Verbascum thapsus</i> L.	common mullein

#### Unidentified Herbaceous Dicots

1998 – F1, F2, F3

1999 – UNKNF1, UNKNF2

2000 – UNKNg, UNKNh, UNKNi, UNKNj, UNKNk, UNKNl, UNKNm, UNKNn,  
UNKN?

#### Unidentified Graminoids

1998 – G1, G2

**Treatments Assigned to the Research Plots**

<u>Plot</u>	<u>Cut</u>	<u>Burn</u>
1	Clearcut	Burn
2	Clearcut	No Burn
3	No Cut	No Burn
4	Clearcut	No Burn
5	No Cut	Burn
6	Part Cut	No Burn
7	Part Cut	Burn
8	Part Cut	No Burn
9	Part Cut	Burn
10	No Cut	Burn
11	Clearcut	No Burn
12	No Cut	No Burn
13	No Cut	No Burn
14	Part Cut	Burn
15	Clearcut	Burn
16	Part Cut	No Burn
17	No Cut	Burn
18	Clearcut	Burn

## 1998 Pre-treatment Data

Plot	Density (trees/ha)	Basal Area (m <sup>2</sup> /ha)	Canopy Cover (%)	Herbaceous Dicot (g/m <sup>2</sup> )	Graminoid (g/m <sup>2</sup> )	Shrub (g/m <sup>2</sup> )
1	2667	58.5	97	0.03	0.22	0.53
2	1333	48.8	92	0.48	0.44	12.27
3	2356	50.4	94	0.02	0.00	0.73
4	2889	55.3	94	0.02	0.07	5.85
5	3422	60.1	94	0.03	0.00	4.78
6	2089	57.6	94	0.76	0.10	1.00
7	2844	70.0	100	0.05	0.00	0.00
8	3244	80.6	100	0.00	0.01	0.20
9	4711	65.6	100	0.00	0.00	0.11
10	2356	63.0	89	0.76	0.49	2.76
11	1467	50.3	92	0.00	0.03	0.00
12	1822	58.7	100	0.00	0.10	0.04
13	2756	59.2	100	0.00	0.10	0.02
14	3067	56.0	100	0.06	0.00	0.00
15	2889	53.6	94	0.00	0.00	10.03
16	4178	69.9	97	0.00	0.00	0.38
17	2622	56.1	94	0.01	0.08	0.43
18	2622	64.4	94	0.00	0.00	3.74

Plot	Total Biomass (g/m <sup>2</sup> )	Litter Depth (cm)	Woody Plant Density (stems/m <sup>2</sup> )	Richness (species/plot)	Simpson's Index ( <i>I-c</i> )	Shannon- Weaver Index ( <i>H'</i> )
1	0.78	6.47	0.13	3	0.457	0.745
2	13.18	5.19	1.13	8	0.322	0.723
3	0.75	7.00	0.92	6	0.398	0.819
4	5.94	6.39	0.50	6	0.169	0.393
5	4.81	7.14	0.75	4	0.133	0.297
6	1.85	6.39	0.54	7	0.732	1.536
7	0.05	7.14	0.00	2	0.320	0.500
8	0.21	7.03	0.08	2	0.091	0.191
9	0.11	6.08	0.17	2	0.375	0.562
10	4.01	6.11	1.13	15	0.808	1.943
11	0.03	6.33	0.00	1	0.000	0.000
12	0.14	5.89	0.04	2	0.408	0.598
13	0.12	6.69	0.04	2	0.278	0.451
14	0.06	6.75	0.00	2	0.117	0.234
15	10.03	7.17	0.83	2	0.002	0.008
16	0.38	7.06	0.17	2	0.301	0.478
17	0.51	6.06	0.00	3	0.270	0.494
18	3.74	6.39	0.42	1	0.000	0.000

## 1999 Post-treatment Data

Plot	Density (trees/ha)	Basal Area (m <sup>2</sup> /ha)	Canopy Cover (%)	Herbaceous Dicot (g/m <sup>2</sup> )	Graminoid (g/m <sup>2</sup> )	Shrub (g/m <sup>2</sup> )
1	0	0.0	0	0.65	0.03	0.43
2	0	0.0	0	4.71	0.71	26.26
3	2178	49.0	97	0.00	0.00	0.70
4	0	0.0	0	0.32	0.04	0.40
5	3378	54.6	97	0.12	0.00	0.27
6	222	12.8	39	3.32	0.2	0.58
7	356	11.1	25	0.51	0.00	0.00
8	356	12.2	22	0.01	0.00	0.14
9	400	9.8	28	0.09	0.00	0.00
10	2267	58.9	89	0.79	0.17	3.34
11	0	0.0	0	0.72	0.00	0.08
12	1822	59.7	94	0.00	0.00	0.00
13	2311	54.9	100	0.00	0.00	0.02
14	400	12.4	25	0.24	0.00	0.06
15	0	0.0	0	0.00	0.00	0.00
16	400	13.5	53	0.00	0.00	0.23
17	2356	50.6	97	0.21	0.03	0.00
18	0	0.0	0	0.00	0.00	0.00

Plot	Total Biomass (g/m <sup>2</sup> )	Litter Depth (cm)	Woody Plant Density (stems/m <sup>2</sup> )	Richness (species/plot)	Simpson's Index ( <i>I-c</i> )	Shannon- Weaver Index ( <i>H'</i> )
1	1.11	2.40	0.25	6	0.590	1.087
2	31.68	4.26	1.50	7	0.445	0.908
3	0.70	4.82	0.54	2	0.337	0.520
4	0.76	4.86	0.25	7	0.700	1.434
5	0.39	3.99	0.46	3	0.639	1.058
6	4.10	4.18	0.21	5	0.642	1.179
7	0.51	2.91	0.00	2	0.360	0.546
8	0.15	6.14	0.46	5	0.702	1.362
9	0.09	4.02	0.00	2	0.000	0.000
10	4.30	3.43	1.71	8	0.663	1.452
11	0.80	5.74	0.04	2	0.180	0.325
12	0.00	5.53	0.00	0	0.000	0.000
13	0.02	4.35	0.04	1	0.000	0.000
14	0.30	3.36	0.04	3	0.604	1.010
15	0.00	5.94	0.00	0	0.000	0.000
16	0.23	5.52	0.29	3	0.287	0.462
17	0.24	3.24	0.00	2	0.219	0.377
18	0.00	2.97	0.00	0	0.000	0.000

## 2000 Post-treatment Data

Plot	Density (trees/ha)	Basal Area (m <sup>2</sup> /ha)	Canopy Cover (%)	Herbaceous Dicot (g/m <sup>2</sup> )	Graminoid (g/m <sup>2</sup> )	Shrub (g/m <sup>2</sup> )
1	0	0.0	0	32.3	2.2	3.0
2	0	0.0	0	119.3	9.2	49.1
3	2222	51.0	97	0.1	0.0	1.5
4	0	0.0	0	80.4	6.5	3.0
5	1733	40.0	94	1.3	0.0	0.8
6	222	13.4	42	7.9	0.3	2.1
7	44	2.0	31	62.2	0.1	0.3
8	311	11.8	36	1.4	0.0	2.0
9	44	2.3	33	24.4	0.0	0.6
10	1467	54.0	92	2.2	0.9	4.9
11	0	0.0	0	249.3	0.0	0.3
12	1600	54.3	97	0.0	0.0	0.1
13	2178	53.7	100	0.0	0.0	0.1
14	133	6.2	36	62.6	0.7	1.5
15	0	0.0	0	98.5	0.0	4.6
16	400	14.1	56	0.0	0.0	3.3
17	1556	43	97	0.3	0.1	0.1
18	0	0.0	0	155.8	0.1	0.3

Plot	Total Biomass (g/m <sup>2</sup> )	Litter Depth (cm)	Woody Plant Density (stems/m <sup>2</sup> )	Richness (species/plot)	Simpson's Index ( <i>I-c</i> )	Shannon- Weaver Index ( <i>H'</i> )
1	37.5	1.2	0.38	11	0.805	1.784
2	177.6	2.4	6.21	18	0.764	1.780
3	1.6	5.3	0.54	4	0.333	0.679
4	89.9	3.2	0.54	15	0.403	0.965
5	2.1	3.7	0.71	7	0.757	1.536
6	10.3	5.1	0.58	10	0.554	1.208
7	62.6	2.5	0.25	10	0.759	1.580
8	3.4	6.1	0.46	10	0.582	1.168
9	25.0	2.5	0.83	10	0.596	1.305
10	8.0	3.5	1.33	14	0.768	1.858
11	249.7	4.2	0.21	13	0.364	0.793
12	0.1	4.5	0.08	2	0.426	0.617
13	0.1	4.4	0.08	2	0.480	0.673
14	64.8	3.1	0.13	10	0.725	1.508
15	103.1	2.3	0.63	13	0.653	1.353
16	3.3	5.8	0.46	4	0.329	0.549
17	0.5	2.9	0.17	4	0.526	0.958
18	156.2	2.3	0.25	11	0.593	1.126

1998 Understory Biomass by Taxa (g/m<sup>2</sup>)

	ANPA	APAN	ARLU	SMST	SOLI	F1	F2	F3	ANSC	BOCU	CARX	POPR
1	0	0.03	0	0	0	0	0	0	0	0	0	0.22
2	0	0.47	0	0	0	0	0	0	0	0	0.21	0.15
3	0	0.01	0	0.01	0	0	0	0	0	0	0	0
4	0	0.02	0	0	0	0	0	0	0	0	0	0.07
5	0	0.03	0	0	0	0	0	0	0	0	0	0
6	0.3	0.44	0	0	0	0.02	0	0	0	0	0	0.09
7	0	0.04	0	0	0	0	0.01	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0.01
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0.65	0.01	0.01	0	0.09	0	0	0	0.08	0.02	0	0.28
11	0	0	0	0	0	0	0	0	0	0	0	0.03
12	0	0	0	0	0	0	0	0	0	0	0	0.1
13	0	0	0	0	0	0	0	0	0	0	0	0.1
14	0	0.06	0	0	0	0	0	<0.01	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0.01	0	0	0	0	0	0	0	0	0	0.07
18	0	0	0	0	0	0	0	0	0	0	0	0

	G1	G2	AMAL	AMCA	BERE	JUCO	JUHO	PIPO	PRVI	QUMA	SYOC	TORY
1	0	0	0	0.53	0	0	0	0	0	0	0	0
2	0.08	0	0	1.38	0	10.76	0	0.03	0	0.11	0	0
3	0	0	0.11	0.57	0	0	0	0	0.04	0	0.01	0
4	0	0	0.05	0.38	0.02	5.4	0	0	0	0	0	0
5	0	0	0	0.03	0	4.47	0	0	0.28	0	0	0
6	0	0	0	0.14	0	0	0	0	0.09	0	0	0.78
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0.2	0	0	0	0	0	0	0	0
9	0	0	0.03	0	0	0	0	0	0.09	0	0	0
10	0.1	0.01	0	1	0	0	1.2	0.01	0.11	0.18	0	0.25
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0.04	0	0	0	0	0	0	0	0	0
13	0	0	0	0.02	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0.01	0	10.03	0	0	0	0	0	0
16	0	0	0	0.31	0	0	0	0	0	0.07	0	0
17	0	0	0	0.43	0	0	0	0	0	0	0	0
18	0	0	0	0	0	3.74	0	0	0	0	0	0

**1998 Understory Woody Plant Density (stems/m<sup>2</sup>)**

	AMAL	AMCA	BERE	JUCO	JUHO	PIPO	PRVI	QUMA	SYOC	TORY
1	0	0.13	0	0	0	0	0	0	0	0
2	0.04	0.46	0	0.42	0	0.13	0	0.08	0	0
3	0.17	0.67	0	0	0	0	0.04	0	0.04	0
4	0.17	0.17	0.04	0.13	0	0	0	0	0	0
5	0	0.08	0	0.42	0	0	0.25	0	0	0
6	0	0.21	0	0	0	0	0.13	0	0	0.21
7	0	0	0	0	0	0	0	0	0	0
8	0	0.08	0	0	0	0	0	0	0	0
9	0.08	0	0	0	0	0	0.08	0	0	0
10	0	0.46	0	0	0.04	0.17	0.08	0.04	0	0.38
11	0	0	0	0	0	0	0	0	0	0
12	0.04	0	0	0	0	0	0	0	0	0
13	0	0.04	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0.13	0	0.71	0	0	0	0	0	0
16	0	0.13	0	0	0	0	0	0.04	0	0
17	0	0.04	0	0	0	0	0	0	0	0
18	0	0	0	0.42	0	0	0	0	0	0







2000 Understory Biomass by Taxa (g/m<sup>2</sup>)

	AMAR	AMRE	ANPA	APAN	CHAL	CHBE	CHGI	CHPR	COAR	COCA	CYOF
1	0	0	0.01	10.47	0	8.91	0	0	0	0	0
2	0	0	0	67.92	0.27	0	0	0.27	0	0	8.00
3	0	0	0	0.15	0	0	0	0	0	0	0
4	0.07	0	0	3.47	7.36	0	0	0	0	0	0.07
5	0	0	0	0.64	0	0	0	0	0	0.01	0
6	0.13	0	1.17	6.59	0	0	0	0	0	0	0
7	22.47	0	0	10.75	8.28	0	1.87	0	0	0.01	0
8	0.01	0	0	0.12	0	0	0	0	0	0	0
9	0	0	0	2.93	3.31	0	15.09	0	0	0	0
10	0	0	1.45	0.47	0	0	0	0	0	0	0
11	0	0	0	0.39	20.21	0	0	0	0.75	0	23.25
12	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0
14	2	0	0	11.67	14.81	0	6.53	0	0	0	0
15	0	0.07	0	5.08	44.04	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0.31	0	0	0	0	0	0	0
18	0	15.16	0	0.01	2.87	0	87.19	0	0	0	4.68

	EUPH	GLLE	HEAN	LASE	MELU	MEOF	NECA	PEAL	SOMI	TAOF	TRDU
1	0	0	3.24	7.41	0	0	0	0.01	0	0	0
2	0.12	0.96	0	33.76	0	0	0	0	4.37	0	3.61
3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	68.76	0	0	0	0	0	0.29	0.24
5	0	0	0	0.64	0	0	0	0	0	0	0
6	0	0	0	0.01	0	0	0	0	0	0	0
7	0	0	0	15.55	0	0	0	0	0	0	0
8	0	0	0	1.03	0.15	0	0.01	0	0	0	0.07
9	0	0	0	2.09	0	0	0	0	0	0.4	0.39
10	0	0	0	0	0	0	0	0	0.19	0	0.01
11	0	1.15	0	196.72	0	0	0	0	0	0	4.4
12	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	27.48	0	0	0	0	0	0.12	0
15	0	0	41	1.81	1.12	4.36	0	0	0	0.01	0
16	0	0	0	0	0	0	0	0	0	0	0.01
17	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	45.49	0.32	0	0	0	0	0	0

## 2000 Understory Biomass by Taxa (cont.)

	VEBR	VETH	UNKN g	UNKN h	UNKN i	UNKN j	UNKN k	UNKN l	UNKN m	UNKN n	UNKN ?
1	2.24	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0.03	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0.16
5	0	0	0	0.01	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0
7	0	3.27	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0
9	0	0.20	0	0	0	0	0	0	0	0	0
10	0	0	0.05	0	0	0.01	0	0	0	0	0
11	2.43	0.01	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0.03	0	0.05	0.89	0
16	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0.11	0	0	0	0	0	0

	AGCA	ANGE	BOCU	BRJA	CARX	POPR	DIOL	SEVI	AMAL	AMCA	JUCO
1	0	0	0	0	2.16	0	0	0	0	2.83	0
2	2.76	0	0	0	6.47	0	0	0	0	6.44	38.56
3	0	0	0	0	0	0	0	0	0.12	1.3	0
4	0	0	0	0.12	3.17	3.16	0	0.04	0	2.65	0
5	0	0	0	0	0	0	0	0	0	0.23	0
6	0	0	0	0	0.32	0	0.01	0	0	0.3	0
7	0	0	0	0	0	0	0.03	0.07	0	0	0
8	0	0	0	0	0	0	0	0	0.05	1.96	0
9	0	0	0	0	0.03	0	0	0	0	0	0
10	0	0.48	0.03	0	0	0.39	0	0	0	3.36	0
11	0	0	0	0	0	0	0	0.04	0	0	0
12	0	0	0	0	0	0	0	0	0.09	0	0
13	0	0	0	0	0	0	0	0	0	0.03	0
14	0	0	0	0	0.75	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1.77	0
16	0	0	0	0	0	0	0	0	0	2.61	0
17	0	0.01	0	0	0	0.07	0	0	0	0	0
18	0	0	0	0	0.12	0	0	0.01	0	0	0

## 2000 Understory Biomass by Taxa (cont.)

	PIPO	PRVI	QUMA	RHGL	RIBE	RUID	TORY	BERE
1	0	0	0	0.10	0.02	0	0	0
2	0.01	0	3.60	0	0	0.45	0	0
3	0	0.04	0	0	0	0	0	0
4	0	0	0.31	0	0.02	0	0	0
5	0	0.34	0	0.18	0	0	0	0
6	0	0.07	0.23	0	0	0	1.45	0
7	0	0	0	0.28	0	0	0	0
8	0.01	0	0	0	0.03	0	0	0
9	0	0.13	0	0.42	0	0	0	0
10	0	0.28	0.65	0.05	0	0	0.58	0
11	0	0	0.20	0.11	0	0	0.02	0
12	0	0.04	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0.02
14	0	0.04	1.40	0.09	0	0	0	0
15	0	0	0	2.80	0	0	0	0
16	0.02	0	0.64	0	0	0	0	0
17	0	0.09	0	0	0	0	0	0
18	0	0	0	0.31	0	0	0	0

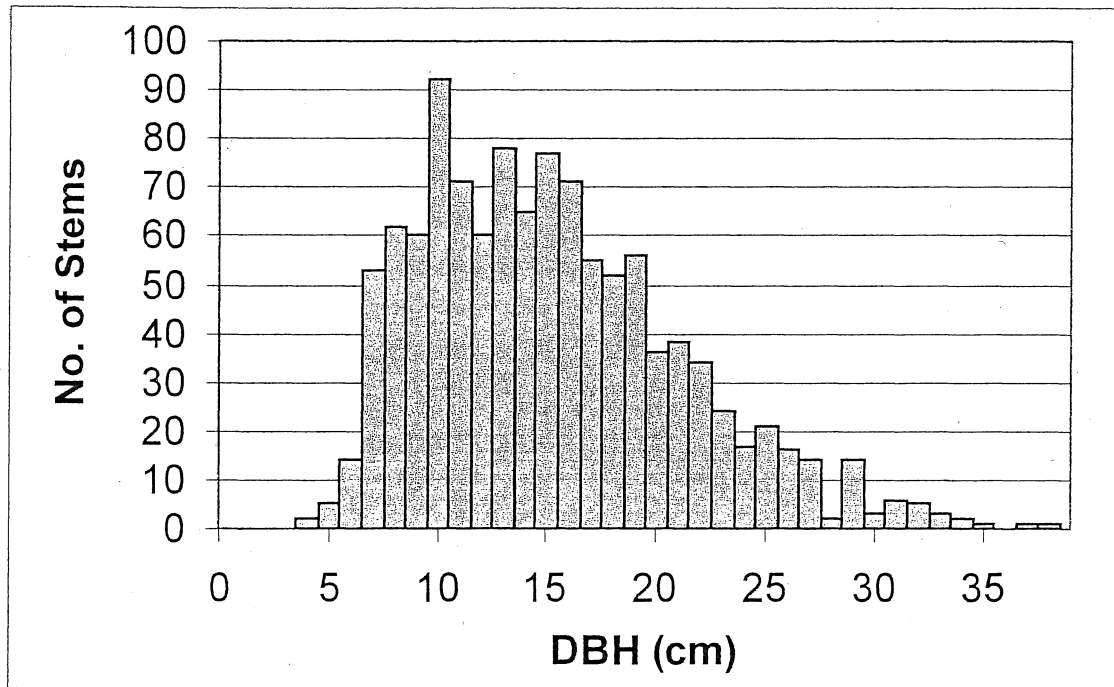
2000 Understory Woody Plant Density (stems/m<sup>2</sup>)

	AMAL	AMCA	JUCO	PIPO	PRVI	QUMA	RHGL	RIBE	RUID	TORY	BERE
1	0	0.29	0	0	0	0	0.04	0.04	0	0	0
2	0	1.96	0.88	0.04	0	0.17	0	0.04	3.13	0	0
3	0.13	0.38	0	0	0.04	0	0	0	0	0	0
4	0	0.38	0	0	0	0.13	0	0.04	0	0	0
5	0	0.29	0	0	0.17	0	0.25	0	0	0	0
6	0	0.08	0	0	0.04	0.04	0	0	0	0.42	0
7	0	0	0	0	0	0	0.25	0	0	0	0
8	0.04	0.25	0	0.04	0	0	0	0.13	0	0	0
9	0	0	0	0	0.04	0	0.79	0	0	0	0
10	0	0.71	0	0	0.08	0.04	0.08	0	0	0.42	0
11	0	0	0	0	0	0.04	0.13	0	0	0.04	0
12	0.04	0	0	0	0.04	0	0	0	0	0	0
13	0	0.04	0	0	0	0	0	0	0	0	0.04
14	0	0	0	0	0.04	0.04	0.04	0	0	0	0
15	0	0.21	0	0	0	0	0.42	0	0	0	0
16	0	0.25	0	0.08	0	0.13	0	0	0	0	0
17	0	0	0	0	0.17	0	0	0	0	0	0
18	0	0	0	0	0	0	0.08	0	0	0.17	0

### Diameter at Breast Height (DBH)

Measurements of 1,111 trees on research plots in 1998

Average DBH =  $15.6 \pm 0.2$  cm (SE)



**APPENDIX B:**

**Description of soil pedon on ponderosa pine restoration site.**

**Badger GPA in the northern Black Hills, South Dakota**

## VANOCKER SERIES

**Taxonomic class:** Loamy-skeletal, mixed, superactive, frigid Inceptic Hapludalfs

**Parent material:** residuum

**Setting:** Soil pits were dug in the buffer zones of plots 1, 9, and 18 within 40 m of the limestone escarpment; west-southwest facing hillside; slope is 35 - 45%; overstory vegetation is predominately ponderosa pine; the understory is sparsely vegetated.

Horizon	Depth (cm)	Description
O	0 - 3	Forest litter and partially decomposed forest litter; 30% by volume angular limestone channers; abrupt, wavy boundary.
A	3 - 6	Dark grayish brown (10YR 4/2) channery silt loam; very dark brown (10 YR 2/2) moist; granular structure; very friable, non-cement; many fine roots between peds; 30% by volume angular limestone channers; slightly alkaline; slightly plastic; non-sticky; abrupt wavy boundary.
Bt	6 - 20	Grayish brown (10YR 5/2) very stony silty clay loam; very dark grayish brown (10YR 3/2) moist; subangular blocky structure; friable, very weak cement; few medium roots matted around rocks; 40% by volume subrounded limestone flagstones; slightly alkaline; moderately plastic; slightly sticky; strongly effervescent; clear wavy boundary.
Btk	20 - 45	Yellowish brown (10YR 5/4) very stony silty clay loam; dark yellowish brown (10YR 3/4) moist; subangular blocky structure; firm, very weak cement; few medium roots matted around rocks; 50% by volume rounded limestone stones; moderately alkaline; moderately plastic; moderately sticky; violently effervescent; gradual wavy boundary.
C	45 +	Brown (7.5YR 5/3) extremely stony light silty clay loam; dark brown (7.5YR 4/3) moist; massive structure; friable, extremely weak cement; few fine roots in cracks; 60% by volume rounded limestone stones; moderately alkaline; moderately plastic; slightly sticky; violently effervescent.

**APPENDIX C:**

**Weather observations collected during the prescribed burn for the ponderosa pine restoration project.**

**Badger GPA in the northern Black Hills, South Dakota**

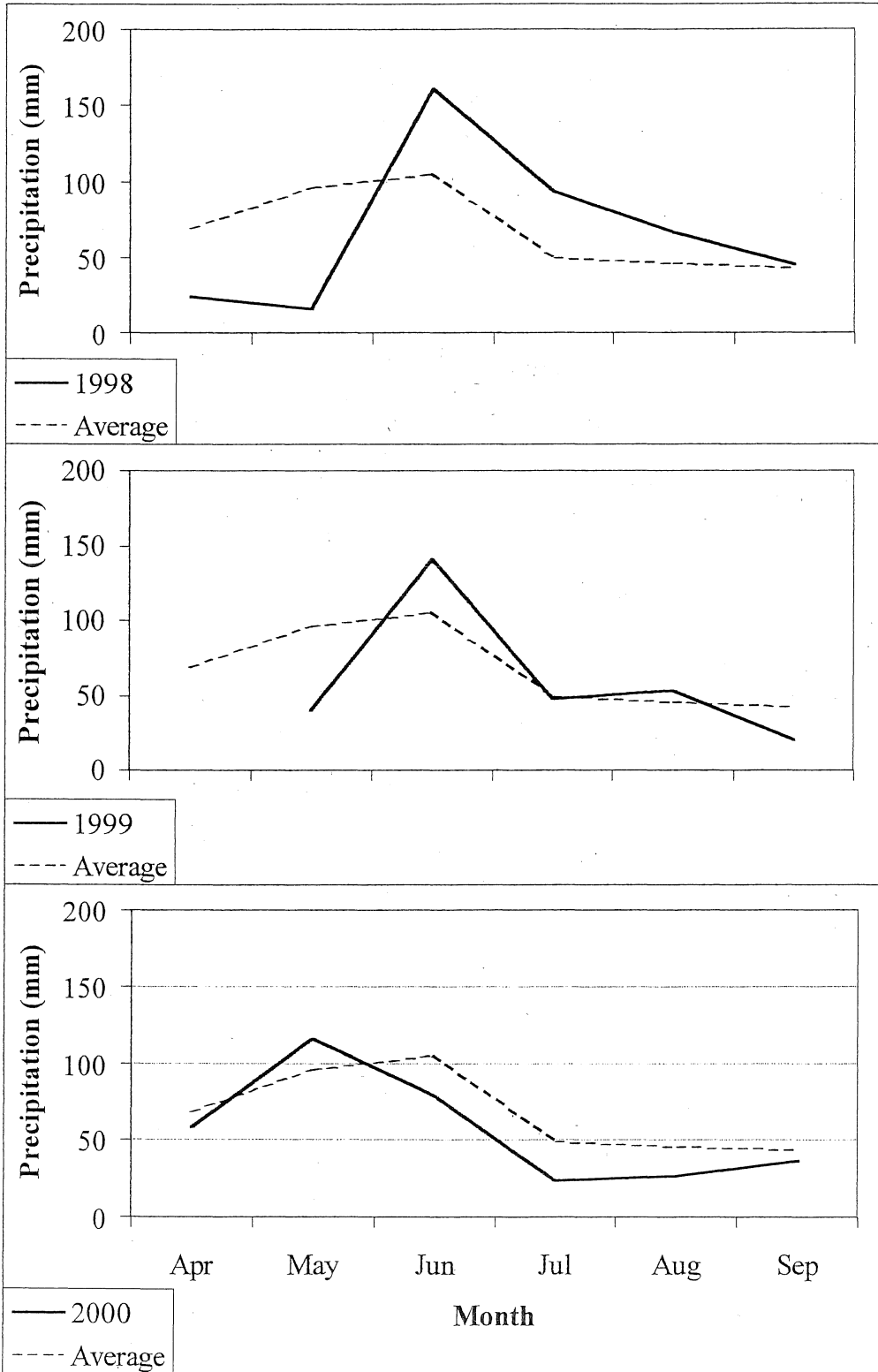


Date	Time	Wind (km/h)	Dry Temp (C)	Wet Temp (C)	Relative Humidity	Remarks
5/7/99	1230	NW, 6-10 gusts to 13	14	6	24	between plots 10 & 11
5/7/99	1410	NW, light and variable	14	8	40	
5/7/99	1610	NW, light and variable	18	11	38	between plots 5 & 6
5/8/99	0820	W-NW 0-3	12	6	42	
5/8/99	1030	N-NW, light and variable	12	8	60	Plot 5
5/8/99	1125	N-NW, light and variable	13	9	51	Plots 10 & 17
5/8/99	1215	N-NW, light and variable	15	9	44	Plots 1 & 18
5/8/99	1350	N-NW, light and variable	18	12	42	Plots 9 & 15
5/8/99	1530	N-NW, light and variable	21	12	30	Plots 7 & 14

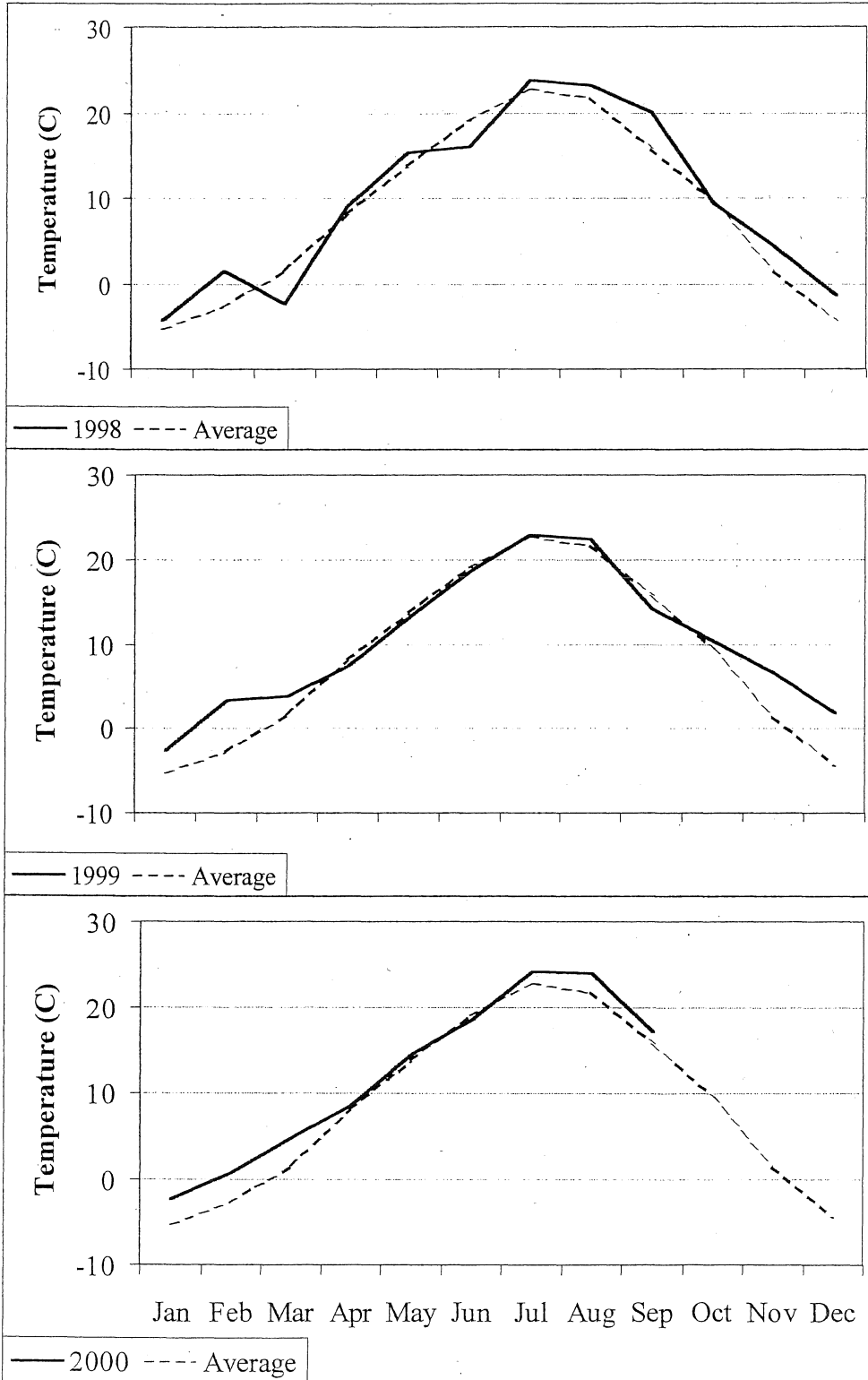
**APPENDIX D:**

**Climatological Data From Reporting Stations in the Northern Black Hills**

Growing Season Precipitation Reported at Spearfish, South Dakota



Monthly Temperature Recorded at Belle Fourche, South Dakota



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