

**Table No. 3
NAVAJO POPULATION GROWTH RATE**

YEAR	POPULATION	t=	P1/P0	Annual Growth Rate*
1868	9,000			
1878	11,850	10	1.317	2.75
1888	18,000	10	1.519	4.18
1898	20,500	10	1.139	1.30
1908	29,032	10	1.416	3.48
1918	31,250	10	1.076	0.74
1928	34,892	10	1.117	1.10
1930	41,786	2	1.198	9.02
1935	44,025	5	1.054	1.04
1940	48,722	5	1.107	2.03
1945	61,000	5	1.252	4.49
1950	69,167	5	1.134	2.51
1960	79,587	10	1.151	1.40
1970	95,104	10	1.195	1.78
1980	129,553	10	1.362	3.09
1990	146,001	10	1.127	1.20
2000	175,228	10	1.200	1.82

1868	9,000			
2000	175,228	132	19.470	2.25

USA**

1980	226.5			
1990	248.7	10	0.1	0.94
2000	281.4	10	0.1	1.24

*Annual Growth Rate "r" has been computed by using the Formula: $r = \ln(p1/p0)/t$, which has been derived from the Standard Growth Rate Formula: $P1 = P^t$

or, $p0e^{rt} = p1$

or, $e^{rt} = p1/p0$, or $\ln e^{rt} = \ln(p1/p0)$, or $rt \ln e = \ln(p1/p0)$,

or $rt = \ln(p1/p0)$, since $\ln e = 1$. **Thus, $r = \ln(p1/p0)/t$**

Where,

P0 = Population in the Base Year

P1 = Population in Current Year

r = Groth Rate

t = Number of Years in between.

** Population figures for the USA are in millions

Source: The Navajo Nation figures for 1868 thru 1980 have been taken from The Navajo Nation Fax 1988. Figures for 1990 and 2000 have been taken from the Census Reports.

The Navajo Nation figures for 1980, 1990 and 2000 do not include non-Indians. Total reservation population including non-Indians was 138,690 in 1980; 151,105 in 1990; and 180,462 in 2000.