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OCCOQUALLUTEE

RIVER

Oconaluftee River 5-31-26

MILE	2-yr FLOOD	10-yr FLOOD	50-yr FLOOD	100-yr FLOOD	500-yr FLOOD
0.00	9,300 ✓	15,300 ✓	21,300 ✓	24,100 ✓	31,100 ✓
0.21	9,300 ✓	15,300 ✓	21,300 ✓	24,100 ✓	31,100 ✓
1.06	9,300	15,300	21,300	24,100	31,100
1.20	9,279	15,272	21,265	24,065	31,058
2.33	9,110	15,046	20,983	23,783	30,719
3.06	9,000 ✓	14,900 ✓	20,800 ✓	23,600 ✓	30,500 ✓
3.56	8,940	14,819	20,699	23,479	30,359
4.00	8,886	14,748	20,610	23,373	30,235
4.34	8,845	14,694	20,542	23,290	30,139
4.83	8,786	14,615	20,443	23,172	30,000
5.54	8,700 ✓	14,500 ✓	20,300 ✓	23,000 ✓	29,800 ✓
5.55	8,800 ✓	10,300 ✓	15,000 ✓	17,200 ✓	22,900 ✓
5.84	8,768	10,252	14,937	17,137	22,837
6.64	8,681	10,121	14,762	16,962	22,662
7.20	8,620	10,030	14,639	16,839	22,539
7.38	8,600 ✓	10,000 ✓	14,600 ✓	16,800 ✓	22,500 ✓
7.71	8,577	9,966	14,554	16,743	22,420
8.27	8,538	9,907	14,476	16,645	22,283
8.78	8,502	9,854	14,405	16,556	22,159
9.07	8,482	9,823	14,364	16,506	22,088
9.46	8,455	9,783	14,310	16,438	21,993
9.80	8,431	9,747	14,263	16,378	21,910
10.25	8,400 ✓	9,700 ✓	14,200 ✓	16,300 ✓	21,800 ✓
10.26	1,600 ✓	3,400 ✓	5,600 ✓	6,800 ✓	9,800 ✓
10.35	1,574	3,365	5,548	6,731	9,722
10.63	1,493	3,258	5,387	6,515	9,480
10.99	1,389	3,119	5,179	6,238	9,168
11.30	1,300 ✓	3,000 ✓	5,000 ✓	6,000 ✓	8,900 ✓

THE INTERPOLATED NUMBERS SHOULD BE REVIEWED AND ROUNDED BEFORE USE

OCONALUFEE RIVER

CHEPOKEE N. C.

MILE	4,000 CFS FLOW P		500-YEAR FLOOD		100-YEAR FLOOD		50-YEAR FLOOD	
	Q	ELEV	Q	ELFV	Q	ELFV	Q	ELEV
.210	7500.	1791.7	31100.	1799.0	24100.	1797.0	21500.	1796.3
.210	7500.	1792.8	31100.	1801.2	24100.	1799.0	21500.	1798.1
.500	7500.	1799.7	31100.	1808.4	24100.	1806.3	21500.	1805.5
.560	7500.	1800.8	31100.	1810.0	24100.	1807.8	21500.	1807.0
.560	7500.	1833.7	31100.	1840.8	24100.	1839.2	21500.	1838.5
.600	7500.	1833.7	31100.	1840.9	24100.	1839.3	21500.	1838.5
1.200	7500.	1834.1	31060.	1842.1	24070.	1840.3	21270.	1839.4
A 2.050	7500.	1838.5	31060.	1848.2	24070.	1846.0	21270.	1845.0
B 2.330	7500.	1840.6	30720.	1851.6	23780.	1849.0	20980.	1847.9
C 2.600	7500.	1843.5	30720.	1854.4	23780.	1851.8	20980.	1850.7
D 3.060	7500.	1850.9	30500.	1860.0	23600.	1858.0	20800.	1857.1
3.060	7500.	1851.2	30500.	1861.3	23600.	1859.5	20800.	1858.6
E 3.100	7500.	1852.0	30500.	1862.1	23600.	1860.2	20800.	1859.3
F 3.300	7500.	1855.5	30500.	1865.2	23600.	1863.2	20800.	1862.3
3.450	7500.	1859.7	30500.	1868.7	23600.	1866.5	20800.	1865.3
G 3.560	7500.	1862.6	30360.	1871.1	23480.	1869.2	20700.	1868.3
H 3.640	7500.	1864.3	30360.	1872.0	23480.	1870.3	20700.	1869.5
I 3.830	7500.	1868.0	30360.	1877.7	23480.	1875.6	20700.	1874.7
J 4.000	7500.	1871.6	30140.	1880.3	23290.	1878.2	20610.	1877.3
K 4.060	7500.	1873.4	30140.	1881.2	23290.	1879.3	20610.	1878.5
L 4.340	7500.	1882.0	30140.	1890.0	23290.	1888.7	20540.	1887.8
M 4.680	7500.	1889.5	30140.	1898.5	23290.	1896.4	20540.	1895.5
N 4.830	7500.	1892.7	30000.	1902.9	23170.	1900.5	20440.	1899.4
O 5.120	7500.	1900.8	30000.	1909.2	23170.	1907.0	20440.	1906.0
P 5.540	7500.	1909.2	29000.	1915.7	23000.	1914.3	20300.	1913.7
5.590	5000.	1909.5	22840.	1915.8	17140.	1914.5	14940.	1913.0

	5.590	5000.	1910.4	22840.	1919.4	17140.	1917.3	14940.	1916.4
QX	5.840	5000.	1912.5	22840.	1921.1	17140.	1919.1	14940.	1918.2
R	6.070	5000.	1916.4	22840.	1925.5	17140.	1923.4	14940.	1922.4
S	6.360	5000.	1923.3	22840.	1932.5	17140.	1930.2	14940.	1929.3
T	6.430	5000.	1925.2	22840.	1933.6	17140.	1931.5	14940.	1930.6
U	6.640	5000.	1931.1	22660.	1939.3	16960.	1937.2	14760.	1936.4
V	6.710	5000.	1932.8	22660.	1942.3	16960.	1939.8	14760.	1938.7
W	6.760	5000.	1934.1	22660.	1944.2	16960.	1941.6	14760.	1940.5
	6.760	5000.	1934.6	22660.	1944.9	16960.	1942.0	14760.	1940.9
X	6.780	5000.	1935.1	22660.	1945.2	16960.	1942.4	14760.	1941.3
Y	6.970	5000.	1939.3	22660.	1948.6	16960.	1945.8	14760.	1944.7
	7.150	5000.	1942.5	22660.	1950.3	16960.	1948.0	14760.	1947.1
	7.200	5000.	1943.6	22540.	1951.3	16840.	1949.3	14640.	1948.4
Z	7.260	5000.	1944.7	22540.	1953.3	16840.	1951.1	14640.	1950.1
AA	7.380	5000.	1946.7	22500.	1954.7	16800.	1952.7	14600.	1951.8
	7.380	5000.	1947.3	22500.	1955.9	16800.	1953.8	14600.	1952.8
	7.500	5000.	1950.6	22500.	1958.1	16800.	1956.2	14600.	1955.5
AB	7.620	5000.	1951.8	22500.	1959.1	16800.	1957.3	14600.	1956.5
AC	7.710	5000.	1953.7	22420.	1961.0	16740.	1959.3	14550.	1958.5
AD	7.710	5000.	1955.9	22420.	1963.0	16740.	1960.8	14550.	1960.1
AE	7.890	5000.	1958.6	22420.	1965.8	16740.	1964.3	14550.	1963.5
AF	7.950	5000.	1960.0	22420.	1967.6	16740.	1966.0	14550.	1965.2
AG	8.140	5000.	1963.8	22420.	1971.7	16740.	1970.0	14550.	1969.1
AH	8.180	5000.	1964.4	22420.	1972.3	16740.	1970.6	14550.	1969.7
AI	8.270	5000.	1966.5	22280.	1973.9	16650.	1972.2	14480.	1971.0
AJ	8.400	5000.	1971.1	22280.	1977.9	16650.	1976.4	14480.	1975.7
AK	8.630	5000.	1974.6	22280.	1982.0	16650.	1980.2	14480.	1979.4
AL	8.780	5000.	1976.6	22160.	1984.0	16560.	1982.3	14410.	1981.5
	8.780	5000.	1977.3	22160.	1989.0	16560.	1985.9	14410.	1984.2
AM	8.860	5000.	1978.6	22160.	1989.8	16560.	1986.8	14410.	1985.3

LA	8.940	5000.	1979.9	22160.	1990.3	16560.	1987.5	14410.	1986.1
MAN	9.070	5000.	1983.8	22090.	1992.3	16510.	1989.8	14360.	1988.7
INA	9.160	5000.	1986.3	22090.	1993.2	16510.	1991.3	14360.	1990.5
	9.160	5000.	1987.0	22090.	1995.8	16510.	1993.3	14360.	1992.3
DO AP	9.460	5000.	1993.7	21990.	2001.0	16440.	1990.2	14310.	1998.4
PO AD	9.620	5000.	1998.6	21990.	2005.4	16440.	2003.7	14310.	2002.9
DO AR	9.660	5000.	1999.6	21990.	2006.0	16440.	2004.3	14310.	2003.6
	9.800	5000.	2002.3	21910.	2008.4	16380.	2007.0	14260.	2006.3
	9.800	5000.	2003.2	21910.	2011.0	16380.	2008.8	14260.	2007.9
	9.990	5000.	2009.2	21910.	2015.5	16380.	2013.9	14260.	2013.2
	10.240	5000.	2016.4	21910.	2021.6	16380.	2020.4	14260.	2019.8
	10.350	800.	2018.0	9720.	2023.5	6730.	2022.3	5550.	2021.8
	10.630	800.	2025.9	9480.	2033.5	6520.	2031.8	5390.	2031.1
	10.690	800.	2027.5	9480.	2035.3	6520.	2034.5	5390.	2033.6
	10.690	800.	2028.1	9480.	2035.9	6520.	2034.9	5390.	2034.0
	10.990	800.	2037.4	9170.	2044.5	6240.	2042.9	5180.	2042.1
	11.300	800.	2040.1	8900.	2058.2	6000.	2055.9	5000.	2054.9

OCONOMICTE RIVER

CHEPOKEE N. C.

10-YEAR FLOOD

2-YEAR FLOOD

MILE	Q	ELEV	Q	FLEV
.210	15300.	1790.5	9300.	1792.4
.210	15300.	1796.0	9300.	1793.6
.500	15300.	1803.2	9300.	1800.6
.560	15300.	1804.6	9300.	1801.8
.560	15300.	1836.6	9300.	1834.4
.600	15300.	1836.6	9300.	1834.4
1.200	15270.	1837.3	9280.	1834.9
2.050	15270.	1842.5	9280.	1839.6
2.330	15045.	1845.2	9110.	1841.8
2.600	15045.	1849.0	9110.	1844.7
3.060	14900.	1850.9	9000.	1851.0
3.060	14900.	1855.8	9000.	1852.2
3.100	14900.	1856.5	9000.	1853.0
3.300	14900.	1859.7	9000.	1856.5
3.450	14900.	1863.3	9000.	1860.5
3.560	14820.	1866.3	8940.	1863.5
3.640	14820.	1867.7	8940.	1865.1
3.830	14820.	1872.3	8940.	1869.3
4.000	14750.	1875.0	8890.	1872.3
4.060	14750.	1876.5	8890.	1874.1
4.340	14690.	1885.5	8845.	1882.8
4.680	14690.	1893.2	8845.	1890.3
4.830	14620.	1896.8	8790.	1893.5
5.120	14620.	1900.0	8790.	1901.5
5.540	14500.	1912.1	8700.	1909.8
5.590	10250.	1912.4	5770.	1910.1



5,590	10250.	1914.1	5770.	1911.1
5,840	10250.	1916.0	5770.	1913.1
6,070	10250.	1920.0	5770.	1917.1
6,360	10250.	1926.0	5770.	1923.0
6,430	10250.	1928.4	5770.	1925.7
6,640	10120.	1934.2	5680.	1931.6
6,710	10120.	1936.2	5680.	1933.4
6,760	10120.	1937.8	5680.	1934.6
6,760	10120.	1938.2	5680.	1935.1
6,780	10120.	1938.6	5680.	1935.6
6,970	10120.	1942.3	5680.	1939.7
7,150	10120.	1945.1	5680.	1942.9
7,200	10030.	1946.5	5620.	1944.1
7,260	10030.	1947.9	5620.	1945.2
7,380	10000.	1949.7	5600.	1947.1
7,380	10000.	1950.4	5600.	1947.8
7,560	10000.	1953.7	5600.	1951.1
7,620	10000.	1954.7	5600.	1952.2
7,710	9970.	1956.5	5580.	1954.1
7,710	9970.	1958.4	5580.	1956.3
7,890	9970.	1961.5	5580.	1959.0
7,950	9970.	1963.1	5580.	1960.4
8,140	9970.	1967.0	5580.	1964.3
8,180	9970.	1967.5	5580.	1964.9
8,270	9910.	1969.4	5540.	1966.9
8,400	9910.	1973.0	5540.	1971.5
8,630	9910.	1977.6	5540.	1975.0
8,780	9850.	1979.5	5500.	1977.0
8,780	9850.	1980.5	5500.	1977.7
8,860	9850.	1982.0	5500.	1979.0

8.940	9850.	1983.1	5500.	1980.3
9.070	9820.	1986.5	5480.	1984.1
9.160	9820.	1988.8	5480.	1986.6
9.160	9820.	1990.1	5480.	1987.4
9.460	9780.	1996.5	5460.	1994.1
9.620	9780.	2001.0	5460.	1998.9
9.660	9780.	2001.8	5460.	1999.8
9.800	9750.	2004.7	5430.	2002.6
9.800	9750.	2005.9	5430.	2003.5
9.990	9750.	2011.5	5430.	2009.4
10.240	9750.	2018.5	5430.	2016.7
10.350	3370.	2020.6	1570.	2018.8
10.630	3260.	2029.4	1493.	2027.3
10.690	3260.	2031.2	1493.	2028.8
10.690	3260.	2031.9	1493.	2029.4
10.990	3120.	2040.5	1390.	2038.4
11.300	3000.	2052.7	1300.	2050.2



INPUT CARD LISTING

T1	CHEROKEE, N.C.		DSN=OCONLUF		1000	
	2-YEAR FLOOD		H011270		2000	
	OCONALUETTE RIVER		FLOOD PROFILES		3000	
J1	2		.0056		1795.0	4000
J2						5000
J3	150	0	160			6000
J6						7000
NC	.10	.10	.045	.1	.5	8000
QT	7	9300	15300	21500	24100	31100
ET					9.11	330
X1	.21	20	343	564		570
GR1819.6	0	1812.2	200	1810.9	243	1805.9
GR1800.4	320	1787.9	343	1787.1	350	1785.5
GR1795.0	545	1797.4	547	1800.0	564	1804.6
GR1804.9	636	1805.2	686	1806.7	722	1806.7
NC	.10	.10	.045	.3	.5	16000
ET					9.11	330
X1	.21			60	50	60
BT						9.11
X1	.21	32	344	564	1	1
BT	15	0	1819.6	0	50	1818.0
GR1819.6	0	1818.0	50	1809.6	290	1808.0
GR1803.3	348	1787.4	348	1787.0	368	1786.7
GR1802.3	402	1786.6	402	1786.1	460	1801.6
GR1786.0	464	1785.5	521	1801.6	521	1801.5
GR1785.5	526	1793.5	541	1795.0	545	1797.4
GR1805.7	564	1805.4	625	1805.6	661	1805.9
GR1806.7	735	1808.6	756			
ET					9.11	330
X1	.21			40	40	40
X2						1
ET					9.11	330
X1	.21	20	343	564	1	1
GR1819.6	0	1812.2	200	1810.9	243	1805.9
GR1800.4	320	1787.9	343	1787.1	350	1785.5
GR1795.0	545	1797.4	547	1800.0	564	1804.6
GR1804.9	636	1805.2	686	1806.7	722	1806.7
ET					9.11	330
X1	.21			15	15	15
NC	.08	.08	.064	.1	.5	44000
ET					9.11	130
X1	0.50	22	157	310	1500	1680
GR1820.0	78	1810.0	91	1796.0	122	1789.3
GR1786.5	172	1786.0	172	1783.5	201	1783.2
GR1785.0	220	1784.9	250	1782.4	273	1783.4
GR1797.0	336	1797.2	356	1796.7	361	1809.0
GR1814.0	410	1820.0	417			
ET					9.11	130
X1	0.56			250	250	250
PH	.01	1.6	3.5	0	1.01	.01
ET	.10	.10	.03			1
						0
						1815.1
						1815.1
						54000
						55000
						9.11
						180
						570
						56000

X1	0.56	20	198	560	20	20	20			57000	
X2			1	1815.1	1828.4					58000	
BT	36	176	1849.0	0	192	1838.7	0	242	1838.7	59000	
BT	242	1830.5	0	244	1830.5	0	244	1829.1	0	60000	
BT	1829.1	0	259	1830.5	0	265	1830.5	0	265	1829.1	61000
	0	231	1829.1	0	281	1830.5	0	286	1830.5	0	62000
	286	1828.4	0	320	1828.4	0	320	1830.5	0	326	63000
BT	1830.5	0	326	1828.4	0	360	1828.4	0	360	1830.5	64000
BT	0	365	1830.5	0	365	1828.4	0	399	1828.4	0	65000
BT	399	1830.5	0	404	1830.5	0	404	1828.4	0	436	66000
BT	1828.4	0	436	1830.5	0	441	1830.5	0	441	1848.1	67000
BT	0	501	1848.1	0	501	1837.7	0	531	1837.7	0	68000
BT	531	1842.6	0	549	1842.7	0	555	1849.0	0	0	69000
GR	1860.0	122	1854.3	134	1831.2	198	1828.2	213	1820.7	213	70000
GR	1820.3	220	1820.5	250	1817.2	320	1817.7	350	1818.3	372	71000
GR	1817.2	394	1817.4	440	1818.2	463	1823.3	508	1825.1	521	72000
GR	1828.3	550	1830.3	560	1845.4	576	1845.5	589	1860.0	602	73000
NC	.08	.08	.046								74000
ET							9.11		180	570	75000
X1	0.56				10	10	10				76000
ET							9.11		180	570	77000
X1	0.60				220	120	160				78000
NC	.07	.07	.045								79000
QT	6	9280	15270	21270	24070	31060	24070				80000
ET							9.11		110	420	81000
X1	1.20	24	119	410	3800	3000	3300				82000
GR	1850.0	34	1846.3	36	1846.3	49	1841.3	64	1831.1	100	83000
GR	1827.9	119	1826.0	130	1823.6	150	1820.1	175	1819.4	200	84000
GR	1819.0	225	1822.0	250	1822.9	275	1823.1	300	1823.4	320	85000
GR	1822.6	340	1822.9	360	1822.5	380	1826.9	400	1828.0	410	86000
GR	1828.6	440	1832.0	450	1841.4	469	1850.0	480			87000
	.13	.10	.045								88000
							9.11		70	225	89000
X1	2.05	11	80	214	4700	4700	4700				90000
GR	1856.0	0	1840.0	50	1832.8	80	1828.4	86	1830.0	209	91000
GR	1833.8	214	1840.3	234	1856.3	280	1863.4	283	1863.4	300	92000
GR	1893.4	342									93000
NC	.13	.10	.045								94000
QT	6	9110	15045	20980	23780	30720	23780				95000
ET							9.11		95	240	96000
X1	2.33	17	104	233	1400	1680	1520				97000
GR	1847.0	23	1841.9	54	1841.4	74	1836.5	94	1833.0	104	98000
GR	1829.9	121	1828.3	150	1827.2	200	1830.1	209	1834.3	233	99000
GR	1844.7	253	1845.4	268	1844.9	286	1843.8	289	1845.0	294	100000
GR	1844.8	306	1850.0	311							101000
NC	.11	.10	.055								102000
ET							9.11		500	750	103000
X1	2.60	25	530	700	1520	1320	1440				104000
GR	1868.0	0	1860.5	32	1856.1	42	1853.1	92	1849.1	120	105000
GR	1849.0	202	1848.0	222	1845.9	300	1848.9	450	1844.1	524	106000
GR	1844.6	530	1835.3	566	1834.3	566	1834.4	686	1837.0	688	107000
GR	1840.0	693	1844.0	700	1850.0	725	1850.0	745	1848.0	795	108000
GR	1848.0	930	1852.0	943	1856.0	950	1860.0	955	1870.0	970	109000
NC	.12	.10	.055								110000
QT	6	9000	14900	20800	23000	30500	23600				111000
ET							9.11		70	320	112000
X1	3.06	20	113	252	2440	2440	2440				113000
	864.0	50	1857.0	60	1853.4	66	1853.9	74	1852.5	85	114000
	1845.6	113	1842.2	146	1842.6	195	1844.5	247	1847.2	252	115000
GR	1851.8	260	1852.5	270	1857.5	286	1857.2	294	1858.6	316	116000

GR1857.5	335	1856.5	330	1856.6	381	1858.3	456	1863.4	505	117000	
ET						9.11		70	320	118000	
X1	3.06	35	80	248	40	40	40			119000	
GR1864.0	50	1857.0	60	1853.4	66	1853.9	74	1853.0	80	120000	
GR1846.1	80	1844.2	85	1843.5	85	1842.4	94	1842.6	103	121000	
1842.3	108	1842.6	123	1844.5	123	1845.2	137	1841.6	150	122000	
1841.7	157	1844.2	171	1846.7	176	1841.5	182	1841.5	197	123000	
GR1843.6	216	1841.5	222	1841.5	233	1843.0	240	1843.9	248	124000	
GR1856.8	248	1856.8	250	1857.4	287	1857.2	294	1858.6	316	125000	
GR1857.5	334	1856.5	339	1856.6	381	1858.3	456	1863.4	505	126000	
SB	1.25	1.6	3	0	155	12	1971.2	86	1841.5	1841.5	127000
ET						9.11		70	320	128000	
X1	3.06			20	20	20				129000	
X2			1	1854.3	1856.9					130000	
BT	10	50	1864.0	0	59	1857.3	0	78	1857.0	0	131000
BT	78	1859.5	0	250	1859.4	0	250	1856.9	0	290	132000
BT1857.5	0	413	1857.4	0	456	1858.3	0	505	1863.4	133000	
BT	0									134000	
ET						9.11		70	320	135000	
X1	3.06	20	113	252	10	10	10			136000	
GR1864.0	50	1857.0	60	1853.4	66	1853.9	74	1852.5	85	137000	
GR1845.6	113	1842.2	146	1842.6	195	1844.5	247	1847.2	252	138000	
GR1851.9	260	1852.5	270	1857.5	286	1857.2	290	1858.6	316	139000	
GR1857.5	335	1856.5	339	1856.6	381	1858.3	456	1863.4	505	140000	
ET						9.11		50	220	141000	
X1	3.10	18	69	202	200	210	200			142000	
GR1863.8	6	1853.4	21	1853.9	30	1852.4	41	1845.6	69	143000	
GR1842.2	100	1842.7	150	1844.6	202	1851.9	216	1852.4	234	144000	
GR1857.4	241	1857.2	250	1858.6	271	1857.5	290	1856.4	290	145000	
GR1856.6	339	1858.2	413	1863.2	460					146000	
NC	12	07	050							147000	
ET						9.11		40	200	148000	
X1	3.30	16	50	170	1160	1040	1100			149000	
GR1870.1	10	1865.0	20	1859.0	30	1850.4	56	1848.2	60	150000	
GR1845.0	100	1848.1	160	1850.0	170	1858.5	186	1859.2	200	151000	
GR1859.1	230	1862.3	300	1866.8	310	1865.9	324	1864.1	344	152000	
GR1870.0	355									153000	
ET						9.11		210	420	154000	
X1	3.45	26	208	381	850	650	750	-1.5		155000	
GR1872.0	37	1870.0	48	1868.0	77	1866.0	178	1864.0	202	156000	
GR1862.0	233	1860.0	240	1857.5	248	1855.5	249	1854.6	264	157000	
GR1854.9	354	1855.6	370	1857.5	381	1860.0	384	1862.0	397	158000	
GR1864.0	460	1865.0	475	1864.0	505	1863.0	520	1864.0	545	159000	
GR1866.0	565	1868.0	573	1870.0	588	1872.0	596	1872.0	615	160000	
GR1874.0	650									161000	
NC	07	07	05							162000	
QT	6	8940	14820	20700	23480	30360	23480			163000	
ET						9.11		210	420	164000	
X1	3.56			350	810	660				165000	
NC	07	07	055							166000	
ET						9.11		480	670	167000	
X1	3.64	28	530	661	380	450	420			168000	
GR1920.0	80	1898.0	137	1892.0	145	1890.0	192	1884.0	213	169000	
GR1882.0	224	1880.0	245	1876.0	289	1872.5	367	1872.6	444	170000	
GR1869.0	451	1868.0	482	1866.0	510	1862.7	530	1863.0	535	171000	
GR1858.0	550	1856.8	563	1855.8	580	1855.4	600	1855.7	611	172000	
GR1855.9	621	1856.6	635	1858.7	649	1863.0	661	1870.0	685	173000	
GR1872.0	706	1880.0	1310	1920.0	1410					174000	
NC	12	10	055							175000	
ET						9.11		105	285	176000	

X1	3.83	14	115	276	990	1060	1030			177600		
GR1892.1		0	1872.0	66	1874.2	92	1865.8	115	1859.8	132	178000	
GR1858.0		165	1858.0	220	1859.7	258	1866.8	276	1870.3	352	179000	
GR1872.3		378	1871.9	398	1880.3	420	1892.5	448			180000	
NH		5	.08	110	.08	149	.13	210	.05	350	.08	181000
	439											182000
	6	8890	14750	20610	23290	30140	23290					183000
ET							9.11		105	360		184000
X1	4.00	17	210	350	930	900	900					185000
GR1886.2		60	1875.1	80	1875.2	98	1867.0	110	1866.2	121		186000
GR1867.0		149	1869.1	190	1866.8	210	1864.2	325	1866.8	350		187000
GR1869.2		360	1871.6	384	1881.7	400	1882.2	418	1881.9	431		188000
GR1880.5		435	1885.1	439								189000
NC		.13	.10	.055								190000
ET							9.11		220	360		191000
X1	4.06	12	230	350	320	320	320					192000
GR1885.0		180	1872.0	230	1865.5	241	1866.5	337	1866.8	350		193000
GR1869.2		360	1871.6	384	1881.7	400	1882.2	418	1881.9	431		194000
GR1880.5		433	1885.1	439								195000
QT		6	8845	14690	20540	23290	30140	23290				196000
ET							9.11		15	200		197000
X1	4.34	16	20	158	1320	1570	1490					198000
GR1900.0		0	1888.5	16	1880.5	20	1875.8	34	1873.3	73		199000
GR1873.3		115	1875.8	158	1880.1	182	1884.0	296	1888.1	358		200000
GR1892.3		460	1895.8	488	1893.7	514	1893.7	554	1896.2	574		201000
GR1900.0		598										202000
NC		.10	.12	.055								203000
ET							9.11		375	530		204000
X1	4.68	12	406	518	1880	1720	1784					205000
GR1940.0		220	1904.5	276	1897.0	311	1895.3	349	1892.4	374		206000
GR1883.9		406	1879.9	406	1880.0	495	1884.0	518	1935.7	608		207000
GR1935.7		636	1910.0	642								208000
	.13	.12	.055									209000
QT		6	8790	14620	20440	23170	30000	23170				210000
ET							9.11		40	200		211000
X1	4.83	12	50	181	650	970	850					212000
GR1905.0		27	1890.6	43	1887.3	50	1885.0	55	1883.8	75		213000
GR1883.0		150	1885.0	180	1888.6	181	1894.4	200	1897.4	219		214000
GR1900.3		233	1905.0	320								215000
NH		4	.13	280	.05	381	.13	700	.06	1049		216000
ET							9.11		270	750		217000
X1	5.12	13	280	381	1640	1640	1600					218000
GR1940.0		210	1920.0	228	1895.2	280	1893.4	280	1893.4	381		219000
GR1895.2		381	1903.5	425	1898.8	478	1901.8	700	1904.0	880		220000
GR1908.0		950	1920.0	1015	1940.0	1049						221000
NC		.12	.10	.055								222000
QT		6	8700	14500	20300	23000	29800	23000				223000
ET							9.11		370	790		224000
X1	5.54	26	560	714	2320	2240	2240					225000
GR1920.0		15	1920.0	86	1920.0	95	1920.0	170	1906.2	170		226000
GR1905.3		230	1906.4	305	1907.1	381	1905.4	455	1906.3	509		227000
GR1909.1		519	1909.9	551	1905.8	560	1900.5	570	1899.1	580		228000
GR1898.9		600	1898.6	640	1900.6	667	1903.0	677	1907.0	714		229000
GR1911.3		725	1911.4	740	1906.7	750	1910.5	754	1910.8	825		230000
GR1920.0		825										231000
NC		.10	.09	.055								232000
QT		7	5770	10250	14940	17140	22840	17140	5000			233000
							9.11		970	1270		234000
X1	5.59	14	994	1105	500	50	150					235000
GR1920.0		960	1906.5	994	1906.0	1000	1903.0	1005	1900.2	1012		236000



GR1901.0	1098	1904.0	1100	1906.5	1105	1912.5	1118	1913.5	1160	237000
GR1913.5	1170	1912.2	1200	1912.2	1268	1930.0	1292			238000
ET						9.11		970	1270	239000
X1 5.59	18	994	1105	1	1	1				240000
GR1930.0	960	1906.5	994	1906.0	1000	1930.0	1000	1930.0	1005	241000
GR1903.0	1005	1900.2	1012	1901.0	1098	1904.0	1100	1930.0	1100	242000
GR1930.0	1105	1906.5	1105	1912.5	1118	1913.5	1160	1913.5	1170	243000
GR1912.2	1200	1912.2	1268	1930.0	1292					244000
ET						9.11		970	1270	245000
X1 5.59			80		80					246000
ET						9.11		970	1270	247000
X1 5.59	14	994	1105	1	1	1				248000
GR1930.0	960	1906.5	994	1906.0	1000	1903.0	1005	1900.2	1012	249000
GR1901.0	1098	1904.0	1100	1906.5	1105	1912.5	1118	1913.5	1160	250000
GR1913.5	1170	1912.2	1200	1912.2	1268	1930.0	1292			251000
ET						9.11		970	1270	252000
X1 5.59	19	994	1105	100	300	200				253000
GR1931.0	412	1919.0	450	1910.0	637	1908.5	750	1907.5	825	254000
GR1909.0	862	1909.0	915	1908.0	975	1906.5	994	1906.0	1000	255000
GR1903.0	1005	1900.2	1012	1901.0	1098	1904.0	1100	1906.5	1105	256000
GR1912.5	1118	1913.5	1160	1913.5	1271	1926.5	1362			257000
ET						9.11		430	630	258000
X1 5.84	23	467	610	1070	1070	1070				259000
GR1943.8	0	1936.5	16	1928.8	42	1928.7	92	1921.3	106	260000
GR1919.5	140	1920.5	275	1920.5	350	1916.1	419	1911.8	467	261000
GR1907.3	478	1903.2	510	1903.2	558	1907.3	588	1911.1	610	262000
GR1917.6	648	1920.6	659	1920.6	674	1920.2	697	1922.3	825	263000
GR1924.9	916	1933.8	1014	1945.0	1067					264000
NC	.13	.10	.055							265000
ET						9.11		95	220	266000
X1 6.07	16	107	212	1400	1200	1246				267000
GR1927.0	54	1917.6	64	1919.0	67	1918.9	84	1917.8	102	268000
GR1914.0	107	1909.6	111	1903.8	114	1908.8	140	1908.8	155	269000
GR1908.8	202	1909.4	206	1912.3	212	1915.0	230	1921.5	245	270000
GR1921.9	264	1924.3	271	1930.0	356					271000
NC	1.1	1.1	.055							272000
ET						9.11		80	220	273000
X1 6.36	24	91	209	1710	1270	1590				274000
GR1954.5	29	1944.0	41	1931.0	60	1922.0	76	1919.8	91	275000
GR1918.4	94	1917.0	100	1916.4	125	1915.9	160	1916.3	180	276000
GR1916.3	191	1913.6	200	1922.0	209	1925.1	229	1926.4	234	277000
GR1925.2	260	1926.0	260	1928.3	266	1927.0	300	1927.1	400	278000
GR1931.9	500	1935.5	540	1940.7	560	1950.0	582			279000
NC	.12	.11	.055							280000
ET						9.11		60	235	281000
X1 6.43	14	69	225	300	270	300				282000
GR1941.0	19	1929.0	30	1922.4	69	1920.5	70	1919.6	80	283000
GR1920.1	150	1920.1	200	1920.5	204	1925.4	225	1928.4	230	284000
GR1928.4	250	1929.5	256	1931.8	305	1941.5	330			285000
NC	.06	.15	.055							286000
QT	6	5600	10120	14760	16960	22660	16960			287000
ET						9.11		480	615	288000
X1 6.44	22	494	600	1100	1150	1140				289000
GR1960.0	17	1945.6	23	1943.9	100	1943.8	160	1944.1	180	290000
GR1944.4	200	1943.8	250	1960.0	250	1960.0	450	1940.8	450	291000
GR1940.6	456	1939.7	480	1928.0	494	1923.4	504	1923.4	595	292000
GR1925.5	600	1941.4	616	1942.0	637	1944.3	647	1946.3	653	293000
GR1949.1	657	1960.0	688							294000
NC	.05	.12	.055							295000
ET						9.11		670	825	296000





QT	6	5620	10030	14640	16840	22540	16840				357000	
ET								9.11		130	310	358000
X1	7.2	14	143	303	280	280	280					359000
GR1970.0		60	1951.0	81	1949.0	93	1949.9	98	1948.9	143		360000
GR1936.7		160	1936.7	270	1950.0	302	1950.0	310	1970.0	310		361000
1970.0		520	1948.2	520	1952.0	600	1970.0	600				362000
.10		27	.05									363000
ET								9.11		130	350	364000
X1	7.2	18	143	343	340	300	310					365000
GR1970.0		60	1951.0	81	1949.0	93	1949.9	98	1948.9	143		366000
GR1941.4		154	1938.3	178	1937.8	200	1937.7	212	1938.7	260		367000
GR1938.7		299	1939.8	326	1947.7	343	1970.0	343	1970.0	520		368000
GR1948.2		520	1952.0	600	1970.0	600						369000
NC	.09	.06	.044									370000
QT	6	5600	10000	14600	16800	22500	16800					371000
ET								9.11		500	690	372000
X1	7.38	29	507	680	660	580	600					373000
GR1973.5		60	1957.2	72	1957.2	98	1949.3	104	1946.3	116		374000
GR1945.9		120	1946.4	122	1948.9	123	1949.2	200	1970.0	200		375000
GR1970.0		350	1948.4	350	1948.3	355	1948.4	368	1950.9	379		376000
GR1950.1		423	1949.6	460	1951.1	507	1948.0	520	1940.5	538		377000
GR1941.1		551	1940.1	600	1941.4	622	1942.4	651	1947.1	663		378000
GR1951.1		680	1950.6	800	1950.9	820	1980.0	820				379000
ET								9.11		500	690	380000
X1	7.38			40		40	40					381000
ET								9.11		500	690	382000
X1	7.38	28	507	600	1	1	1					383000
BT	10	408	1950.4	0	500	1955.7	0	507	1955.9	0		384000
BT	507	1955.9	1951.1	551	1957.0	1952.3	620	1957.0	1952.3	680		385000
BT1955.7	1951.1	680	1955.7	0	686	1955.4	0	754	1950.8			386000
BT	0											387000
GR1970.0		300	1949.5	300	1948.3	355	1948.4	368	1950.9	379		388000
1950.4		408	1950.1	423	1949.6	480	1950.9	500	1951.1	507		389000
GR1948.0		520	1940.5	538	1941.1	551	1952.3	551	1952.3	553		390000
GR1941.1		553	1940.1	600	1941.3	620	1952.3	620	1941.4	622		391000
GR1942.4		651	1947.1	663	1951.1	680	1951.0	686	1950.8	754		392000
GR1950.6		800	1950.9	820	1980.0	820						393000
ET								9.11		500	690	394000
X1	7.38			40		40	40					395000
X2								1				396000
ET								9.11		500	690	397000
X1	7.38	19	507	600	1	1	1					398000
GR1970.0		300	1949.5	300	1948.3	355	1948.4	368	1950.9	379		399000
GR1950.1		423	1949.6	480	1951.1	507	1948.0	520	1940.5	538		400000
GR1941.1		551	1940.1	600	1941.4	622	1942.4	651	1947.1	663		401000
GR1951.1		680	1950.6	800	1950.9	820	1980.0	820				402000
ET								9.11		500	690	403000
X1	7.38			10		10	10					404000
NC	.07	.08	.05									405000
ET								9.11		1000	1210	406000
X1	7.56	23	1023	1193	950	880	890					407000
GR1980.0		200	1968.0	230	1964.0	280	1960.0	340	1959.6	400		408000
GR1980.0		400	1980.0	730	1957.0	730	1956.0	1003	1952.0	1023		409000
GR1948.0		1033	1944.4	1044	1944.4	1048	1944.4	1060	1944.4	1080		410000
GR1944.4		1166	1948.0	1183	1952.0	1193	1956.0	1243	1960.0	1333		411000
GR1964.0		1350	1968.0	1363	1980.0	1397						412000
ET								9.11		1010	1190	413000
X1	7.62	24	1023	1180	250	300	280					414000
977.6		0	1972.4	70	1964.1	240	1960.9	350	1960.9	471		415000
GR1958.7		652	1958.7	703	1960.1	728	1960.1	756	1957.3	860		416000

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GR1956.5	1007	1952.0	1023	1946.2	1048	1945.7	1048	1945.7	1060	417000
GR1945.7	1126	1945.7	1162	1946.3	1163	1955.0	1180	1960.2	1190	418000
GR1961.2	1230	1961.2	1255	1961.9	1342	1980.0	1393			419000
NC	.081	.081	.045							420000
OT	6	5580	9970	14550	16740	22020	16740			421000
						9.11		930	1090	422000
	7.71	43	945	1080	510	380	430			423000
GR1983.0	0	1977.7	34	1967.4	69	1966.0	72	1965.6	95	424000
GR1961.0	200	1960.7	300	1961.3	400	1961.3	500	1961.1	521	425000
GR1962.1	530	1962.0	550	1961.2	561	1961.2	600	1960.0	660	426000
GR1960.0	720	1960.0	800	1960.0	913	1956.0	920	1952.4	945	427000
GR1951.7	945	1947.4	950	1948.0	957	1947.0	964	1947.0	1000	428000
GR1948.1	1009	1947.7	1023	1947.7	1040	1947.0	1045	1947.0	1054	429000
GR1949.0	1060	1950.9	1060	1952.0	1080	1952.7	1080	1961.1	1123	430000
GR1962.1	1166	1962.6	1193	1964.3	1229	1967.0	1270	1970.1	1293	431000
GR1975.2	1312	1975.1	1343	1984.0	1349					432000
ET						9.11		930	1090	433000
X1	7.71	39	948	1090	40	40	40			434000
GR1983.0	0	1977.7	34	1967.4	69	1966.0	72	1965.6	95	435000
GR1961.0	200	1960.7	300	1961.3	400	1961.3	500	1961.1	521	436000
GR1962.1	530	1962.0	550	1961.2	561	1961.2	600	1960.0	660	437000
GR1960.0	720	1960.0	800	1960.0	913	1956.0	920	1955.6	930	438000
GR1955.3	948	1952.8	948	1951.6	951	1951.7	980	1951.2	1000	439000
GR1952.0	1021	1951.5	1037	1951.5	1049	1948.8	1059	1951.4	1090	440000
GR1961.2	1125	1962.1	1166	1962.6	1193	1964.3	1229	1967.0	1270	441000
GR1970.1	1293	1975.2	1312	1975.1	1343	1984.0	1349			442000
ET						9.11		930	1090	443000
X1	7.71	44	945	1080	20	20	20			444000
GR1983.0	0	1977.7	34	1967.4	69	1966.0	72	1965.6	95	445000
GR1961.0	200	1960.7	300	1961.3	400	1961.3	500	1961.1	521	446000
GR1962.1	530	1962.0	550	1961.2	561	1961.2	600	1960.0	660	447000
GR1960.0	720	1960.0	800	1960.0	913	1956.0	920	1952.4	945	448000
GR1951.4	945	1948.6	956	1950.0	961	1948.6	968	1948.5	975	449000
GR1948.5	985	1948.8	997	1948.8	1004	1948.2	1010	1948.8	1018	450000
GR1948.8	1048	1948.3	1058	1950.9	1060	1952.0	1080	1952.7	1080	451000
GR1961.1	1123	1962.1	1166	1962.6	1193	1964.3	1229	1967.0	1270	452000
GR1970.1	1293	1975.2	1312	1975.1	1343	1984.0	1349			453000
NC	.12	.08	.045							454000
ET						9.11		510	670	455000
X1	7.89	35	520	660	820	980	900			456000
GR1980.0	8	1973.7	29	1972.9	51	1970.7	61	1964.7	70	457000
GR1965.7	80	1966.1	89	1966.0	99	1965.1	107	1961.4	114	458000
GR1964.7	120	1964.9	138	1964.1	200	1963.2	299	1961.2	400	459000
GR1963.6	468	1960.2	500	1959.9	520	1956.9	539	1954.5	546	460000
GR1953.3	548	1952.3	548	1952.0	557	1951.5	564	1951.5	641	461000
GR1952.0	644	1955.0	649	1963.2	660	1963.2	677	1963.5	690	462000
GR1963.4	716	1963.1	723	1965.5	764	1967.8	811	1980.0	825	463000
NC	.10	.09	.05							464000
ET						9.11		1010	1210	465000
X1	7.95	24	1023	1197	300	310	300			466000
GR1980.0	600	1968.1	600	1968.1	612	1966.9	641	1965.9	750	467000
GR1963.2	813	1963.5	909	1964.9	941	1964.9	1000	1963.7	1023	468000
GR1953.7	1068	1952.6	1090	1952.6	1122	1953.9	1150	1961.6	1181	469000
GR1967.0	1197	1966.8	1220	1995.0	1220	1995.0	1270	1966.2	1270	470000
GR1965.8	1283	1968.1	1328	1973.7	1464	1977.8	1465			471000
NC	.10	.09	.05							472000
ET						9.11		650	890	473000
X1	8.14	26	660	880	980	1000	990			474000
GR1985.0	20	1972.6	20	1972.0	150	1970.8	300	1970.1	400	475000
GR1968.6	600	1971.0	660	1969.2	677	1962.0	685	1960.5	700	476000

GR1958.0	700	1956.1	720	1955.5	756	1956.9	778	1960.0	850	477000	
GR1963.5	870	1968.6	876	1970.8	880	1970.8	890	1971.0	898	478000	
GR1985.0	898	1985.0	948	1970.8	948	1970.2	1010	1971.4	1074	479000	
GR1985.0	1087									480000	
NH	4	.20	1151	.12	1386	.05	1570	.10	1818	481000	
	8.10	28	1386	1570	290	190	230	9.11	1373	1573	482000
GR2000.0	570	2000.0	586	2000.0	750	1971.4	750	1971.2	770	484000	
GR1968.6	883	1970.0	1090	1972.6	1124	1976.3	1151	1973.4	1223	485000	
GR1969.0	1269	1967.5	1313	1962.9	1386	1960.6	1409	1958.6	1418	486000	
GR1957.3	1425	1957.3	1512	1958.7	1524	1959.9	1541	1964.8	1570	487000	
GR1972.8	1573	1990.0	1573	1990.0	1623	1971.6	1623	1971.0	1730	488000	
GR1970.2	1742	1973.0	1766	2000.0	1818					489000	
NH	4	.20	1260	.12	1400	.05	1543	.10	1573	490000	
OT	6	5540	9910	14480	16650	22280	16650			491000	
ET								9.11	1373	1573	492000
X1	8.27	13	1400	1543	520	480	470				493000
GR1990.0	750	1972.0	750	1972.0	1260	1968.0	1280	1968.0	1350	494000	
GR1964.0	1400	1960.5	1410	1960.5	1505	1964.0	1510	1972.2	1543	495000	
GR1977.2	1552	1977.2	1573	1990.0	1573					496000	
NC	20	.12	.05							497000	
ET								9.11	1195	1570	498000
X1	8.40	22	1428	1564	630	780	700				499000
GR1980.0	20	1980.0	25	1980.0	30	1980.0	700	1972.0	700	500000	
GR1972.0	995	1985.0	995	1985.0	1195	1972.0	1195	1972.0	1300	501000	
GR1972.0	1427	1973.3	1428	1973.3	1433	1971.6	1439	1963.8	1492	502000	
GR1963.1	1501	1963.1	1549	1963.8	1553	1974.0	1564	1977.5	1569	503000	
GR1982.0	1578	1989.0	1594							504000	
NC	12	.12	.05							505000	
ET								9.11	1600	1960	506000
X1	8.63	25	1836	1961	1150	1290	1240				507000
GR2020.0	1300	1977.8	1300	1977.7	1413	1972.2	1490	1969.7	1654	508000	
	1969.7	1720	1971.8	1735	1973.3	1784	1971.5	1836	1968.2	1850	509000
GR1965.4	1866	1965.4	1913	1968.0	1935	1968.3	1935	1984.0	1961	510000	
GR1984.8	1963	1986.7	1987	1986.7	2008	1986.0	2016	1986.9	2030	511000	
GR1993.6	2167	1990.3	2185	1999.2	2230	1999.2	2250	2002.8	2335	512000	
OT	6	5500	9850	14410	16560	22160	16560			513000	
ET								9.11	1400	1650	514000
X1	8.78	21	1413	1558	710	710	710				515000
GR1982.2	1100	1982.2	1163	1984.1	1174	1984.1	1195	1983.0	1230	516000	
GR1983.0	1300	1983.0	1350	1983.0	1400	1983.0	1400	1983.0	1413	517000	
GR1969.8	1432	1969.8	1530	1982.3	1558	1983.2	1593	1982.9	1609	518000	
GR1988.1	1789	2000.0	1780	2000.0	1914	1989.3	1914	1991.1	1935	519000	
GR2000.0	1963									520000	
ET								9.11	1400	1650	521000
X1	8.78			40	40	40					522000
ET								9.11	1400	1650	523000
X1	8.78	40	1413	1544	1	1	1				524000
BT	10	1400	1983.3	0	1403	1983.3	0	1403	1985.4	0	525000
BT	1413	1985.5	0	1413	1985.5	1981.2	1452	1985.8	1980.9	1544	526000
BT1984.8	1980.3	1544	1984.8	1980.3	1544	1982.3	0	1557	1982.3	527000	
BT	0									528000	
GR2000.2	794	2000.2	1100	1982.4	1103	1982.5	1166	1984.1	1174	529000	
GR1984.1	1195	2000.0	1195	2000.0	1200	2000.0	1300	2000.0	1350	530000	
GR2000.0	1400	1983.3	1400	1983.3	1403	1983.4	1413	1979.0	1413	531000	
GR1970.3	1433	1970.0	1438	1970.4	1452	1980.9	1452	1980.9	1454	532000	
GR1970.3	1454	1969.2	1480	1969.5	1505	1980.5	1505	1980.5	1507	533000	
GR1969.6	1507	1970.6	1530	1971.1	1530	1977.5	1544	1982.3	1544	534000	
GR1982.3	1557	1982.7	1558	1983.2	1593	1982.9	1609	1988.1	1789	535000	
GR2000.0	1789	2000.0	1914	1989.3	1914	1991.1	1935	2000.0	1963	536000	



ET						9.11		1400	1650	537000	
X1	8.78			50	50	50				538000	
X2						1				539000	
ET						9.11		1400	1650	540000	
X1	8.78	24	1413	1558	10	10				541000	
	2000.2	784	2000.0	800	2000.0	1100	1982.2	1100	1982.2	1163	542000
	1984.1	1174	1984.1	1195	2000.0	1195	2000.0	1300	2000.0	1350	543000
GR2000.0		1400	1983.0	1400	1983.0	1413	1989.8	1432	1989.8	1530	544000
GR1982.3		1558	1983.2	1593	1982.9	1609	1988.1	1789	2000.0	1789	545000
GR2000.0		1914	1989.3	1914	1991.1	1935	2000.0	1963			546000
ET						9.11		1400	1650	547000	
X1	8.78			10	10	10				548000	
NC	06	12	045							549000	
ET						9.11		950	1150	550000	
X1	8.86	19	950	1109	410	450	420			551000	
GR2000.0		750	1983.7	750	1984.3	820	1984.3	847	1982.9	870	552000
GR2000.0		870	2000.0	950	1980.0	950	1973.0	958	1971.3	980	553000
GR1971.3		1054	1973.0	1075	1980.9	1109	1984.0	1131	1983.8	1166	554000
GR1982.6		1181	1984.9	1204	1995.0	1414	2000.0	1508			555000
NC	10	13	05								556000
ET						9.11		220	375	557000	
X1	8.94	29	220	340	370	430	380			558000	
GR1990.0		8	1990.0	25	1990.0	120	1990.0	135	1983.8	135	559000
GR1983.8		171	1978.8	180	1976.6	185	1990.0	185	1990.0	215	560000
GR1976.7		215	1976.3	220	1974.1	245	1973.3	260	1972.4	319	561000
GR1974.0		327	1975.3	331	1976.7	340	1979.7	361	1977.9	373	562000
GR1981.3		399	1976.6	424	1983.6	450	1985.7	483	1987.8	510	563000
GR1986.8		529	1985.3	534	1986.9	555	1991.4	650			564000
NC	10	13	05								565000
ET	6	5480	9820	14360	16510	22090	16510				566000
ET						9.11		170	420	567000	
	9.07	47	182	307	940	620	720				568000
	2005.0	17	1993.3	41	1990.4	49	1989.3	63	1987.7	104	569000
GR1988.7		129	1987.9	182	1986.9	191	1983.8	196	1980.1	200	570000
GR1974.2		210	1974.1	229	1979.1	264	1980.2	290	1981.8	294	571000
GR1983.4		307	1982.4	316	1984.6	354	1981.1	369	1983.1	379	572000
GR1982.1		413	1987.4	423	1987.5	450	1986.7	500	1986.0	536	573000
GR1988.7		543	1989.4	550	1990.6	553	1989.8	573	1989.4	579	574000
GR1985.5		587	1984.8	600	1984.6	640	1981.8	680	1982.8	700	575000
GR1985.8		724	1987.7	774	1989.0	781	1988.9	792	1987.1	816	576000
GR1986.1		824	1988.7	900	1989.4	980	1989.3	1000	1992.1	1053	577000
GR1991.8		1100	2005.0	1220							578000
NC	10	13	05								579000
ET						9.11		280	530	580000	
X1	9.16	37	300	445	460	350	400			581000	
GR2015.0		80	2004.2	110	2000.3	140	1999.5	150	1994.6	163	582000
GR1996.1		181	1995.5	203	1994.7	207	1995.1	220	1995.1	232	583000
GR1990.3		267	1988.9	300	1980.2	333	1979.4	336	1979.4	350	584000
GR1979.4		410	1979.4	420	1980.1	424	1984.4	435	1987.0	445	585000
GR1989.7		476	1990.7	482	1989.4	500	1987.7	600	1985.9	632	586000
GR1984.4		641	1985.2	661	1984.7	690	1986.0	714	1990.5	753	587000
GR1990.5		763	1990.5	874	1992.6	922	1994.7	960	1997.6	1003	588000
GR2006.9		1072	2015.0	1092							589000
ET						9.11		280	530	590000	
X1	9.16			40	40	40				591000	
ET						9.11		280	530	592000	
X1	9.16	47	300	457	1	1	1			593000	
	8	268	1995.1	0	300	1995.6	0	300	1998.4	1992.6	594000
	457	1996.9	1991.1	457	1990.9	0	460	1996.9	0	460	595000
BT1994.1		0	475	1993.6	0						596000

GR2015.0	80	2004.2	110	2000.3	140	1999.5	150	1994.6	163	597000
GR1996.1	181	1995.5	203	1994.7	207	1995.1	220	1995.1	268	598000
GR1995.6	300	1990.5	300	1986.9	320	1980.2	333	1979.4	336	599000
GR1979.4	350	1992.1	350	1992.1	352	1979.4	352	1979.4	360	600000
GR1979.4	370	1979.4	380	1979.4	389	1979.4	410	1991.6	410	601000
1991.5	412	1979.4	412	1979.4	420	1980.2	424	1984.4	435	602000
1987.0	445	1989.1	457	1994.2	457	1994.1	460	1993.6	475	603000
GR1993.4	599	1990.4	688	1990.3	699	1989.3	717	1989.0	740	604000
GR1990.5	753	1990.5	874	1992.6	922	1994.7	960	1997.6	1003	605000
GR2006.9	1072	2015.0	1092							606000
ET						9.11		280	530	607000
X1 9.16			30		30	30				608000
X2						1				609000
ET						9.11		280	530	610000
X1 9.16	37	300	445	1	1	1				611000
GR2015.0	80	2004.2	110	2000.3	140	1999.5	150	1994.6	163	612000
GR1996.1	181	1995.5	203	1994.7	207	1995.1	220	1995.1	232	613000
GR1990.3	267	1988.9	300	1980.2	333	1979.4	336	1979.4	350	614000
GR1979.4	410	1979.4	420	1980.1	424	1984.4	435	1987.0	445	615000
GR1989.7	476	1990.7	482	1989.4	500	1987.7	600	1985.9	632	616000
GR1984.4	641	1985.2	661	1984.7	690	1986.6	714	1990.5	753	617000
GR1990.5	763	1990.5	874	1992.6	922	1994.7	960	1997.6	1003	618000
GR2006.9	1072	2015.0	1092							619000
ET						9.11		280	530	620000
X1 9.16			10		10	10				621000
NC .13	.15	.055								622000
DT 6	5460	9780	14310	16440	21990	16440				623000
ET						9.11		75	260	624000
X1 9.46	27	86	211	1620	1680	1610				625000
GR2005.0	39	2000.1	55	2000.1	71	1996.1	73	1991.3	88	626000
GR1991.1	89	1987.6	102	1987.6	119	1987.6	199	1987.6	210	627000
GR1988.6	211	1987.7	220	1989.4	229	1991.0	259	1991.0	271	628000
1995.2	286	1998.4	309	1998.0	359	1998.5	406	1998.7	491	629000
GR1998.7	538	1999.1	586	1997.6	615	1998.9	654	1999.2	739	630000
GR2004.3	800	2009.4	830							631000
NC 7.10	7.15	05								632000
ET						9.11		415	670	633000
X1 9.62	33	430	552	950	810	840				634000
GR2025.0	32	2021.9	41	2009.8	136	2008.5	180	2006.7	230	635000
GR2005.2	283	2005.8	290	2005.8	305	2003.5	342	2003.5	361	636000
GR2025.0	361	2025.0	399	2003.8	399	1999.8	414	1994.5	430	637000
GR1993.8	431	1993.8	552	1994.5	552	1995.2	600	1998.0	639	638000
GR1997.2	718	1994.8	766	1994.8	782	1999.4	807	2000.6	860	639000
GR2003.2	928	2003.2	951	2001.6	953	2002.5	968	1999.9	994	640000
GR2001.6	1014	2017.5	1092	2025.0	1113					641000
NC .080	.130	.045	.1	.5						642000
ET						9.11		560	980	643000
X1 9.66	42	682	800	230	180	200				644000
GR2040.0	75	2005.5	265	2007.5	295	2007.5	350	2005.5	374	645000
GR2000.5	675	1996.5	682	1993.4	685	1992.5	690	1992.0	710	646000
GR1992.5	725	1994.2	755	1993.6	765	1994.4	785	1995.6	797	647000
GR1997.8	800	1999.0	810	1998.1	820	2000.3	835	1998.8	878	648000
GR1999.5	900	1998.9	947	1997.8	959	1996.6	981	1997.4	1000	649000
GR1997.3	1006	2001.5	1015	2002.1	1024	2001.8	1044	2001.5	1062	650000
GR2003.5	1100	2004.5	1122	2004.7	1138	2006.4	1155	2004.3	1182	651000
GR2003.6	1195	2001.7	1222	2003.7	1257	2008.7	1275	2015.5	1290	652000
GR2019.5	1300	2024.5	1315							653000
.130	.130	.045								654000
6	5430	9750	14260	16380	21910	16380				655000
ET						9.11		610	940	656000



X1	9.80	51	729	887	730	680	700			657000	
GR2042.0		40	2030.5	66	2019.5	100	2014.5	119	2011.3	148	658000
GR2009.7		200	2008.8	300	2008.0	400	2007.9	526	2007.8	600	659000
GR2007.7		622	2007.6	631	2007.4	638	2007.5	676	2003.5	694	660000
GR2002.9		705	2001.3	729	1999.3	740	1996.8	742	1996.5	756	661000
1997.0		768	1999.2	773	1997.9	785	1995.6	790	1996.4	799	662000
1995.2		823	1995.7	832	1995.7	842	1996.7	850	1998.6	887	663000
GR2005.0		900	2004.8	928	2003.8	938	2003.6	957	2005.2	989	664000
GR2007.4		1000	2007.6	1018	2018.5	1075	2019.0	1089	2019.0	1120	665000
GR2014.8		1156	2015.6	1174	2014.5	1200	2014.2	1225	2012.7	1263	666000
GR2011.5		1280	2011.3	1295	2013.5	1310	2019.5	1325	2027.4	1340	667000
GR2035.4		1355									668000
NC	.130	.130	.045	.3							669000
ET						9.11		610	940		670000
X1	9.80	42	729	887	40	40	40				671000
GR2042.0		40	2034.7	58	2032.3	140	2030.0	260	2027.0	574	672000
GR2028.9		575	2030.0	622	2007.7	622	2007.6	631	2007.4	638	673000
GR2007.5		676	2003.5	694	2002.9	705	2001.3	729	1999.3	740	674000
GR1996.8		742	1996.5	756	1997.0	768	1999.2	773	1997.9	785	675000
GR1995.6		790	1996.4	799	1995.2	823	1995.7	832	1995.7	842	676000
GR1996.7		850	1998.6	887	2005.0	900	2004.8	928	2027.0	928	677000
GR2024.5		960	2023.1	960	2022.3	1030	2019.0	1090	2019.0	1120	678000
GR2017.0		1135	2013.5	1252	2011.5	1280	2011.5	1282	2015.0	1302	679000
GR2029.0		1330	2039.2	1350							680000
NC	.130	.130	.040								681000
ET						9.11		610	940		682000
X1	9.80	52	728	887	1	1	1				683000
BT	9.4	622	2030.0	0	622	2030.0	2021.7	928	2027.0	2018.7	684000
BT	9.28	2027.0	0								685000
GR2042.0		40	2034.7	58	2032.3	140	2030.0	260	2027.0	574	686000
GR2028.9		575	2030.0	622	2008.0	622	2006.2	632	2006.8	654	687000
2008.2		662	2007.5	675	2021.0	677	2021.0	682	2004.0	683	688000
2002.0		710	2002.0	715	2000.1	728	2003.0	728	2001.3	740	689000
GR2020.5		742	2020.5	747	1997.4	748	1996.0	780	1997.8	794	690000
GR1997.8		797	1996.5	800	2020.0	802	2019.9	807	1995.0	808	691000
GR1997.0		830	1996.9	845	1997.8	858	2019.2	860	2019.0	865	692000
GR1998.2		866	1999.5	867	2002.0	900	2004.8	928	2027.0	928	693000
GR2024.5		970	2023.2	970	2022.3	1030	2019.0	1090	2019.0	1120	694000
GR2017.0		1135	2013.5	1252	2011.5	1280	2011.5	1282	2015.0	1302	695000
GR2029.0		1330	2039.2	1350							696000
NC	.130	.130	.045								697000
ET						9.11		610	940		698000
X1	9.80	0	0	0	30	30	30				699000
X2								1			700000
NC	.130	.130	.045								701000
ET						9.11		610	940		702000
X1	9.80	42	729	887	1	1	1				703000
GR2042.0		40	2034.7	58	2032.3	140	2030.0	260	2027.0	574	704000
GR2028.9		575	2030.0	622	2007.7	622	2007.6	631	2007.4	638	705000
GR2007.5		676	2003.5	694	2002.9	705	2001.3	729	1999.3	740	706000
GR1996.8		742	1996.5	756	1997.0	768	1999.2	773	1997.9	785	707000
GR1995.6		790	1996.4	799	1995.2	823	1995.7	832	1995.7	842	708000
GR1996.7		850	1998.6	887	2005.0	900	2004.8	928	2027.0	928	709000
GR2024.5		960	2023.1	960	2022.3	1030	2019.0	1090	2019.0	1120	710000
GR2017.0		1135	2013.5	1252	2011.5	1280	2011.5	1282	2015.0	1302	711000
GR2029.0		1330	2039.2	1350							712000
NC	.13	.13	.06								713000
ET						9.11		610	940		714000
X1	9.80	51	729	887	10	10	10				715000
GR2042.0		40	2030.5	66	2019.5	100	2014.5	119	2011.3	148	716000

GR2009.7	200	2008.6	300	2008.0	400	2007.9	526	2007.8	600	717000
GR2007.7	622	2007.6	631	2007.4	638	2007.5	676	2003.5	694	718000
GR2002.9	705	2001.3	729	1999.3	740	1996.8	742	1996.5	756	719000
GR1997.0	768	1999.2	773	1997.9	785	1995.6	790	1996.4	799	720000
GR1995.2	823	1995.7	832	1995.7	842	1996.7	850	1998.6	887	721000
2005.0	900	2004.8	928	2003.8	938	2003.6	957	2005.2	989	722000
2007.4	1000	2007.6	1018	2018.5	1075	2019.0	1089	2019.0	1120	723000
GR2014.8	1156	2015.6	1174	2014.5	1200	2014.2	1225	2012.7	1263	724000
GR2011.5	1280	2011.3	1295	2013.5	1310	2019.5	1325	2027.4	1340	725000
GR2035.4	1355									726000
ET					9.11		1340	1640		727000
X1	9.99	35	1452	1597	1000	1240	1040			728000
GR2012.8	1500	2009.5	1300	2009.5	1325	2008.0	1400	2008.8	1423	729000
GR2008.7	1452	2003.9	1472	2003.9	1509	2003.4	1530	2003.5	1545	730000
GR2003.0	1560	2003.4	1570	2003.7	1595	2006.5	1597	2009.4	1614	731000
GR2008.5	1623	2009.4	1632	2012.5	1640	2013.3	1649	2012.5	1658	732000
GR2012.4	1673	2013.2	1700	2014.5	1800	2020.6	2000	2023.6	2034	733000
GR2024.3	2060	2023.9	2072	2026.5	2085	2027.4	2110	2026.5	2118	734000
GR2028.4	2128	2030.2	2150	2033.6	2166	2052.5	2210	2060.0	2210	735000
ET					9.11		1420	1920		736000
X1	10.24	49	1690	1800	1160	1360	1280			737000
GR2060.0	780	2019.1	780	2019.0	793	2017.8	800	2018.5	900	738000
GR2018.5	1000	2017.8	1100	2017.9	1200	2017.8	1300	2016.5	1400	739000
GR2016.5	1420	2010.5	1440	2010.5	1454	2013.0	1456	2015.3	1467	740000
GR2013.7	1484	2014.4	1492	2013.5	1505	2015.7	1515	2016.0	1546	741000
GR2014.2	1585	2011.6	1590	2012.8	1620	2012.9	1656	2014.8	1672	742000
GR2013.5	1690	2011.8	1700	2009.6	1707	2009.7	1717	2010.2	1726	743000
GR2009.3	1753	2009.4	1772	2009.2	1785	2009.8	1794	2012.5	1797	744000
GR2014.4	1800	2016.3	1834	2015.4	1860	2015.8	1875	2015.1	1885	745000
GR2014.7	1900	2015.8	1916	2016.6	1940	2016.5	1975	2014.5	2000	746000
GR2015.5	2020	2015.0	2033	2018.4	2045	2030.0	2100			747000
NC	.10	.10	.060							748000
7	1570	3370	5550	6730	9720	6730	800			749000
ET					9.11		1560	1920		750000
X1	10.35	9	1730	1800	400	800	600			751000
GR2040.0	1260	2021.0	1300	2018.0	1730	2013.0	1735	2013.0	1750	752000
GR2013.5	1795	2017.0	1800	2020.0	2055	2030.0	2100			753000
NC	.08	.13	.060							754000
QT	.6	1493	3260	5390	6520	9480	6520			755000
ET					9.11		1520	1660		756000
X1	10.63	18	1567	1630	1300	1300	1300			757000
GR2032.2	800	2032.4	900	2032.2	975	2032.7	1000	2032.5	1050	758000
GR2032.8	1100	2030.8	1200	2031.6	1300	2032.8	1404	2032.2	1455	759000
GR2032.8	1515	2033.5	1528	2027.5	1567	2026.0	1570	2022.2	1580	760000
GR2022.2	1610	2027.0	1630	2054.0	1720					761000
NC	.080	.130	.045							762000
ET					9.11		1520	1740		763000
X1	10.69	32	1567	1635	200	200	200			764000
GR2032.2	800	2032.4	900	2032.2	975	2032.7	1000	2032.5	1050	765000
GR2032.6	1100	2030.8	1200	2031.6	1300	2032.8	1404	2033.2	1455	766000
GR2032.8	1515	2033.5	1528	2027.5	1567	2025.4	1570	2023.8	1585	767000
GR2024.6	1612	2025.5	1617	2027.1	1635	2027.4	1643	2027.4	1672	768000
GR2027.2	1695	2027.2	1700	2027.4	1707	2027.2	1715	2034.7	1737	769000
GR2040.9	1745	2041.9	1752	2042.3	1783	2041.6	1786	2044.2	1800	770000
GR2050.5	1815	2060.0	1825							771000
NC	.080	.130	.045	.3						772000
ET					9.11		1520	1740		773000
X1	10.69	30	1567	1707	50	50	50			774000
2050.0	780	2033.7	780	2033.6	1280	2034.4	1380	2036.3	1480	775000
GR2038.3	1530	2039.9	1530	2041.6	1555	2029.5	1555	2027.5	1567	776000

GR2025.4	1570	2023.8	1585	2024.6	1612	2027.1	1617	2027.1	1635	777000	
GR2025.4	1643	2024.4	1672	2024.9	1695	2026.5	1700	2027.4	1707	778000	
GR2027.2	1715	2029.5	1724	2043.4	1724	2042.4	1758	2042.0	1758	779000	
GR2042.3	1783	2041.6	1786	2044.2	1800	2050.5	1815	2060.0	1825	780000	
NC	.080	.130	.045							781000	
						9.11		1520	1740	782000	
X1	10.69	32	1567	1712	1	1	1			783000	
BT	10	1555	2039.2	0	1555	2041.6	2035.5	1600	2042.5	2036.4	784000
BT	1640	2043.2	2037.0	1640	2043.2	2026.2	1645	2043.3	2026.5	1645	785000
BT2043.3	2037.0	1675	2043.8	2037.2	1724	2043.4	2037.1	1724	2041.4	786000	
BT	0									787000	
GR2050.0	780	2033.7	780	2033.6	1280	2034.4	1380	2036.3	1480	788000	
GR2038.3	1530	2039.9	1530	2041.6	1555	2035.4	1555	2031.0	1556	789000	
GR2027.5	1567	2024.5	1587	2024.5	1600	2024.5	1605	2025.7	1625	790000	
GR2025.7	1635	2026.0	1640	2026.5	1645	2027.6	1655	2025.6	1675	791000	
GR2027.7	1684	2025.0	1697	2027.7	1712	2032.5	1724	2043.4	1724	792000	
GR2042.4	1758	2042.0	1758	2042.3	1783	2041.6	1786	2044.2	1800	793000	
GR2050.5	1815	2060.0	1825							794000	
NC	.080	.130	.045							795000	
ET						9.11		1520	1740	796000	
X1	10.69	0	0	0	50	50	50			797000	
X2							1			798000	
NC	.080	.130	.045							799000	
ET						9.11		1520	1740	800000	
X1	10.69	30	1567	1707	1	1	1			801000	
GR2050.0	780	2033.7	780	2033.6	1280	2034.4	1380	2036.3	1480	802000	
GR2038.3	1530	2039.9	1530	2041.6	1555	2029.5	1555	2027.5	1567	803000	
GR2025.4	1570	2023.8	1585	2024.6	1612	2027.1	1617	2027.1	1635	804000	
GR2025.4	1643	2024.4	1672	2024.9	1695	2026.5	1700	2027.4	1707	805000	
GR2027.2	1715	2029.5	1724	2043.4	1724	2042.4	1758	2042.0	1758	806000	
GR2042.3	1783	2041.6	1786	2044.2	1800	2050.5	1815	2060.0	1825	807000	
NC	.080	.130	.060							808000	
						9.11		1520	1740	809000	
X1	10.69	32	1567	1635	20	20	20			810000	
GR2032.2	800	2032.4	900	2032.2	975	2032.7	1000	2032.5	1050	811000	
GR2032.6	1100	2030.8	1200	2031.6	1300	2032.8	1400	2033.2	1455	812000	
GB2032.8	1515	2033.5	1528	2027.5	1567	2025.4	1570	2023.8	1585	813000	
GR2024.6	1612	2025.5	1617	2027.1	1635	2027.4	1643	2027.4	1672	814000	
GR2027.2	1695	2027.2	1700	2027.4	1707	2027.2	1715	2034.7	1737	815000	
GR2040.9	1745	2041.9	1752	2042.3	1783	2041.6	1786	2044.2	1800	816000	
GR2050.5	1815	2060.0	1825							817000	
NC	.080	.100	.060	.1						818000	
QT	6	1390	3120	5180	6240	9170	6240			819000	
ET						9.11		1070	1170	820000	
X1	10.99	37	1080	1160	1400	1400	1400			821000	
GR2080.0	64	2077.5	64	2069.7	76	2067.7	90	2067.4	100	822000	
GR2064.4	108	2064.5	137	2058.2	200	2055.1	250	2054.4	300	823000	
GR2053.1	400	2050.4	500	2047.5	600	2047.8	700	2046.3	800	824000	
GR2046.5	900	2046.5	1000	2046.6	1035	2044.4	1048	2043.7	1058	825000	
GR2044.4	1065	2038.1	1080	2035.6	1083	2034.5	1088	2035.5	1095	826000	
GR2035.5	1106	2034.0	1126	2033.8	1145	2040.0	1160	2046.8	1170	827000	
GR2048.7	1190	2048.7	1200	2049.5	1215	2049.2	1236	2048.4	1242	828000	
GR2069.6	1254	2080.0	1254							829000	
NH	4	.060	448	.060	495	.130	600	.070	817	830000	
QT	6	1300	3000	5000	6000	8900	6000			831000	
ET						9.11		440	510	832000	
X1	11.30	37	448	495	1600	1600	1600			833000	
	2079.6	87	2069.7	110	2061.8	125	2059.3	214	2058.8	314	834000
	2059.7	400	2059.6	406	2058.9	415	2060.1	420	2058.7	438	835000
GR2047.4	448	2045.6	452	2045.1	460	2045.0	472	2045.5	485	836000	



GR2046.5	491	2047.7	495	2047.7	500	2048.5	506	2049.3	520	837000
GR2049.0	535	2049.4	547	2051.2	560	2050.7	566	2051.7	572	838000
GR2057.8	583	2057.7	600	2060.3	674	2066.2	700	2067.4	712	839000
GR2066.7	740	2066.0	745	2068.3	754	2070.5	770	2074.7	800	840000
GR2074.2	807	2079.6	817							841000
										841100
										842000
										843000
										844000
J1	3		.0056				1795.0			845000
J2	2		-1							846000
										847000
										848000
										849000
J1	4		.0056				1795.0			850000
J2	3		-1							851000
										852000
										853000
										854000
J1	5		.0056				1795.0			855000
J2	4		-1							856000
										857000
										858000
										859000
J1	6		.0056				1795.0			860000
J2	5		-1							861000
										862000
										863000
										864000
J1	8		.0056				1795.0			865000
J2	15		-1							866000
										867000
										868000
										869000
										870000

FR

INPUT CARD LISTING

L	CHEROKEE, N.C.							DSN=OCOWFWY			1000
	100-YEAR FLOOD							4011270			2000
13	OCOWALUFTEE RIVER							100-YEAR FLOODWAY			3000
11	5			.0050				1795.0			4000
12											5000
13	110	0	200								6000
16	1										7000
NC	.10	.10	.045	.1	.2						8000
QT	7	9300	15300	21500	24100	31100	24100	7500			9000
ET							9.11		330	570	10000
Y1	.21	20	343	564							11000
GR1819.6		0	1812.2	200	1810.9	243	1805.9	299	1801.3	306	12000
GR1800.4		320	1787.9	343	1787.1	350	1785.5	526	1793.5	541	13000
GR1795.0		545	1797.4	547	1800.0	564	1804.6	579	1805.2	606	14000
GR1804.9		636	1805.2	686	1806.7	722	1805.7	735	1808.6	756	15000
NC	.10	.10	.045	.3	.5						16000
ET							9.11		330	570	17000
Y1	.21			60	60	60					18000
ET							9.11		330	570	19000
Y1	.21	32	304	560		1	1				20000
RT	15	0	1819.0	0	50	1818.0	0	290	1809.6	0	21000
RT	304	1808.0	0	360	1809.0	1803.5	364	1808.4	1802.9	398	22000
RT1807.7	1802.3	460	1807.1	1801.7	521	1806.8	1801.5	564	1806.7		23000
RT1801.1	564	1805.7	0	625	1805.4	0	661	1805.6	0		24000
BT	686	1805.0	0	722	1806.7	0					25000
GR1819.0		0	1810.0	50	1809.0	290	1808.0	344	1803.5	340	26000
GR1803.3		348	1787.4	348	1787.0	362	1786.7	398	1802.3	398	27000
	1802.3	462	1786.0	462	1786.1	460	1801.6	460	1801.6	464	28000
GR1786.0		450	1785.5	521	1801.0	521	1801.5	525	1785.5	525	29000
GR1785.5		526	1793.5	541	1795.0	545	1797.4	547	1800.0	564	30000
GR1805.7		564	1805.4	625	1805.0	661	1805.9	686	1806.7	722	31000
GR1806.7		735	1806.0	756							32000
ET							9.11		330	570	33000
Y1	.21			80	80	80					34000
Y2							1				35000
ET							9.11		330	570	36000
Y1	.21	20	343	564	1	1	1				37000
GR1819.6		0	1812.2	200	1810.9	243	1805.9	299	1801.3	306	38000
GR1800.4		320	1787.9	343	1787.1	350	1785.5	526	1793.5	541	39000
GR1795.0		545	1797.4	547	1800.0	564	1806.6	579	1805.2	606	40000
GR1804.9		636	1805.2	686	1806.7	722	1806.7	735	1808.6	756	41000
ET							9.11		330	570	42000
Y1	.21			15	15	15					43000
NC	.00	.08	.054	.1	.2						44000
ET							9.11		130	340	45000
Y1	0.50	22	157	310	1500	1680	1680		7.5		46000
GR1820.0		78	1810.0	91	1796.0	122	1789.3	147	1787.4	157	47000
GR1796.5		172	1782.0	172	1783.5	201	1783.2	210	1783.4	210	48000
GR1785.0		220	1784.9	250	1782.3	273	1783.4	290	1789.2	310	49000
GR1797.0		336	1797.2	358	1796.7	361	1809.0	391	1810.0	400	50000
GR1814.0		410	1820.0	417							51000
ET							9.11		130	340	52000
Y1	0.50			250	250	250					53000
	.20	1.6	3.5	0	1.01	.91	1	0	1815.1	1815.1	54000
NC	.10	.10	.03								55000
ET							9.11		180	570	55100

X1	0.56	20	198	560	20	20	20			56000		
XT				1815.1	1828.4					57000		
RT	30	176	1849.0	0	192	1838.7	0	242	1838.7	0	58000	
RT	202	1830.5	0	240	1830.5	0	244	1829.1	0	259	59000	
RT	1829.1	0	259	1830.5	0	265	1830.5	0	265	1829.1	0	60000
RT	0	281	1829.1	0	281	1830.5	0	286	1830.5	0	61000	
RT	286	1828.4	0	320	1828.4	0	320	1830.5	0	326	62000	
RT	1830.5	0	326	1828.4	0	360	1828.4	0	360	1830.5	0	63000
RT	0	365	1830.5	0	365	1828.4	0	399	1828.4	0	64000	
RT	309	1830.5	0	404	1830.5	0	404	1828.4	0	436	65000	
RT	1828.4	0	436	1830.5	0	441	1830.5	0	441	1848.1	0	66000
RT	0	501	1848.1	0	501	1837.7	0	531	1837.7	0	67000	
RT	535	1842.6	0	549	1842.7	0	555	1849.0	0		68000	
GR	1860.0	122	1854.3	134	1831.2	148	1828.2	213	1820.7	213	69000	
GR	1820.3	220	1820.5	250	1817.2	320	1817.7	350	1818.3	372	70000	
GR	1817.2	394	1817.4	440	1818.2	463	1823.3	508	1825.1	521	71000	
GR	1828.3	550	1830.3	560	1845.4	576	1845.5	569	1860.0	602	72000	
NC	.08	.08	.08								73000	
ET							9.11		180	570	74000	
X1	0.56			10	10	10					75000	
ET							9.11		180	570	76000	
X1	0.60			220	120	160					77000	
NC	.07	.07	.08								78000	
RT	6	9260	18270	21270	24070	31000	24070				79000	
ET							9.11		110	420	80000	
X1	1.20	24	117	410	3400	3000	3300				81000	
GR	1850.0	34	1840.3	36	1849.3	49	1841.3	64	1831.1	100	82000	
GR	1827.0	119	1829.0	130	1823.0	130	1820.1	175	1819.4	200	83000	
GR	1819.0	225	1822.0	250	1822.5	275	1823.1	300	1823.4	320	84000	
GR	1822.0	340	1822.7	360	1822.5	330	1826.7	400	1828.0	410	85000	
GR	1828.0	440	1832.0	450	1841.0	460	1850.0	480			86000	
ET		.13	.10	.045							87000	
ET							9.11		70	225	88000	
X1	2.05	11	30	210	4700	4700	4700				89000	
GR	1856.0	0	1840.0	50	1832.0	50	1828.4	86	1830.0	209	90000	
GR	1833.0	210	1840.3	250	1850.2	240	1863.4	283	1863.4	300	91000	
GR	1895.4	342									92000	
NC	.13	.10	.045								93000	
RT	6	9110	15045	20960	23780	30720	23780				94000	
ET							9.11		95	240	95000	
X1	2.33	17	104	237	1400	1430	1520				96000	
GR	1847.0	23	1841.9	56	1841.4	74	1836.5	94	1833.0	104	97000	
GR	1829.4	121	1828.3	150	1827.2	200	1830.1	209	1834.3	233	98000	
GR	1844.7	253	1845.4	268	1844.9	285	1843.8	289	1845.0	294	99000	
GR	1844.8	306	1850.0	311							100000	
NC	.11	.10	.055								101000	
ET							9.11		500	750	102000	
X1	2.60	25	530	700	1320	1320	1440				103000	
GR	1868.0	0	1860.5	32	1850.1	42	1853.1	92	1849.1	120	104000	
GR	1809.0	202	1849.0	222	1845.7	300	1842.9	450	1844.1	524	105000	
GR	1844.0	530	1835.3	565	1834.3	565	1834.4	686	1837.0	688	106000	
GR	1840.0	693	1844.0	700	1850.0	725	1850.0	745	1843.0	745	107000	
GR	1800.0	930	1852.0	947	1850.0	950	1860.0	955	1870.0	970	108000	
NC	.12	.10	.055								109000	
RT	6	9000	14900	20800	23600	30500	23600				110000	
ET							9.11		70	320	111000	
X1	3.06	20	113	252	2440	2440	2440				112000	
GR	1864.0	50	1857.0	60	1853.4	66	1853.7	74	1852.5	85	113000	
GR	1805.0	113	1842.2	146	1842.0	195	1844.5	247	1847.2	252	114000	
GR	1851.0	250	1852.5	279	1857.5	286	1857.2	294	1858.6	315	115000	



GR1857.5	354	1850.5	339	1856.0	391	1858.3	456	1863.4	505	116000
FI					9.11		70		320	117000
X1 3.06	35	80	208	60	40	40				118000
GR1864.0	50	1857.0	60	1853.0	66	1853.9	74	1853.0	80	119000
GR1865.1	60	1844.2	65	1843.5	85	1842.4	94	1842.6	103	120000
1842.3	108	1842.6	123	1844.5	123	1845.2	137	1841.6	150	121000
GR1841.7	157	1844.2	171	1846.7	176	1841.5	182	1841.5	197	122000
GR1843.5	216	1841.5	222	1841.5	233	1843.0	240	1843.9	248	123000
GR1856.8	248	1856.8	250	1857.4	287	1857.2	294	1858.6	316	124000
GR1857.5	334	1856.5	339	1856.0	381	1856.3	456	1863.4	505	125000
SB 1.25	1.6	3	0	155	12	1971.2	86	1841.5	1841.5	126000
FI					9.11		70		320	127000
X1 3.06					20	20				128000
Y2		1	1854.3	1850.9						129000
RT 10	50	1864.0	0	89	1857.3	0	78	1857.0	0	130000
RT 70	1859.5	0	250	1859.9	0	250	1856.9	0	290	131000
RT1857.5	0	413	1857.4	0	456	1858.3	0	505	1863.4	132000
RT	0									133000
FI					9.11		70		320	133100
X1 3.06	20	113	252	10	10	10				134000
GR1864.0	50	1857.0	60	1853.4	66	1853.9	74	1852.5	85	135000
GR1845.0	113	1842.2	125	1842.0	195	1844.5	247	1847.2	252	136000
GR1851.8	260	1852.5	272	1857.5	266	1857.2	294	1858.6	316	137000
GR1857.5	335	1850.5	339	1856.0	381	1858.3	456	1863.4	505	138000
FI					9.11		50		220	139000
Y1 3.10	10	59	202	200	210	200				140000
GR1863.8	11	1853.4	21	1853.9	30	1852.4	41	1845.6	69	141000
GR1842.2	100	1842.7	150	1844.0	202	1851.9	216	1852.4	234	142000
GR1857.4	241	1847.2	250	1854.0	271	1857.5	290	1856.4	294	143000
GR1856.6	339	1850.2	413	1863.2	460					144000
NC .12	.07	.050								145000
FI					9.11		40		200	146000
X1 3.30	16	56	170	1100	1040	1100				147000
GR1870.1	10	1860.7	20	1859.0	30	1850.4	36	1848.2	60	148000
GR1845.0	100	1848.1	160	1850.0	170	1858.5	166	1859.2	200	149000
GR1859.1	230	1862.5	300	1860.0	310	1865.2	320	1864.1	344	150000
GR1876.0	355									151000
FI					9.11		210		420	151100
X1 3.45	26	240	301	550	650	750	-1.5			152000
GR1872.0	37	1870.0	43	1860.0	77	1866.0	178	1864.0	202	153000
GR1862.0	233	1860.0	240	1857.5	248	1855.5	249	1854.6	264	154000
GR1854.9	354	1855.0	372	1857.5	381	1860.0	384	1862.0	397	155000
GR1864.0	460	1865.0	475	1864.0	505	1863.0	520	1864.0	545	156000
GR1868.0	565	1868.0	573	1870.0	598	1872.0	596	1872.0	615	157000
GR1874.0	650									158000
NC .07	.07	.05								159000
DT 6	3940	14820	20700	23280	30360	23480				160000
FI					9.11		210		420	161000
X1 3.55			350	810	660					162000
NC .07	.07	.050								163000
FI					9.11		490		670	164000
X1 3.64	28	530	601	560	450	420				165000
GR1820.0	60	1803.0	137	1892.0	145	1890.0	192	1884.0	213	166000
GR1862.0	226	1840.0	245	1876.0	289	1872.5	307	1872.0	440	167000
GR1869.0	431	1866.0	462	1860.0	510	1862.7	530	1863.0	535	168000
GR1858.0	520	1856.0	563	1855.0	550	1855.4	600	1855.7	611	169000
GR1855.9	621	1850.0	635	1856.7	649	1863.0	661	1870.0	685	170000
872.0	706	1880.0	1310	1820.0	1410					171000
NC .12	.10	.055								172000
FI					9.11		105		265	173000

Y1	3.83	10	1815	276	940	1060	1030				171000
GR1892.1		0	1872.0	66	1874.2	92	1865.8	115	1859.8	132	175000
GR1859.0		185	1850.0	220	1854.7	258	1866.8	276	1870.3	352	176000
GR1872.3		378	1871.9	398	1880.3	420	1892.5	448			177000
NC	.15	.08	.110	.08	.109	.13	.210	.05	.350	.08	178000
ET											179000
OT	6	8890	10750	20610	23290	30140	23290				180000
ET							9.11		105	360	181000
X1	4.00	17	210	350	430	700	900				182000
GR1886.2		50	1872.1	80	1875.2	98	1867.0	110	1866.2	121	183000
GR1867.0		140	1864.1	190	1866.0	210	1864.2	325	1866.0	350	184000
GR1869.2		300	1871.9	350	1881.7	400	1882.2	418	1881.9	431	185000
GR1880.5		433	1885.1	439							186000
NC	.13	.10	.055								187000
ET							9.11		220	360	187100
Y1	4.06	12	230	350	320	320	320				188000
GR1885.0		130	1872.0	230	1865.5	241	1866.5	337	1866.8	350	189000
GR1869.2		300	1871.0	380	1881.7	400	1882.2	418	1881.9	431	190000
GR1880.5		433	1885.1	439							191000
OT	6	3845	10600	20540	23290	30140	23290				192000
ET							9.11		15	200	193000
X1	4.34	16	20	150	1320	1570	1400				194000
GR1900.0		0	1885.5	16	1850.5	20	1875.8	34	1875.5	73	195000
GR1873.3		115	1875.8	158	1880.1	182	1884.0	296	1888.1	350	196000
GR1892.3		460	1895.5	488	1893.7	514	1893.7	554	1896.2	574	197000
GR1900.0		598									198000
NC	.10	.12	.055								199000
ET							9.11		375	530	200000
X1	4.64	12	006	515	1860	1720	1780				201000
GR1900.0		220	1900.5	275	1897.0	311	1895.3	349	1892.4	374	202000
GR1883.4		406	1870.4	406	1880.0	445	1884.0	518	1935.7	608	203000
GR1935.7		656	1900.5	682							204000
NC	.13	.12	.055								205000
OT	0	4790	10620	20440	23170	30000	23170				206000
ET							9.11		40	200	207000
X1	4.85	12	50	161	650	970	850				208000
GR1905.0		27	1880.5	43	1887.5	50	1885.0	55	1885.0	75	209000
GR1883.0		150	1885.0	180	1886.6	181	1894.4	200	1897.4	219	210000
GR1900.5		233	1905.0	320							211000
NC	.12	.13	.055	.05	.581	.13	.700	.06	.1049		212000
ET							9.11		270	750	213000
X1	5.12	13	200	381	1080	1640	1600				214000
GR1940.0		210	1920.0	228	1895.2	250	1893.4	260	1893.4	361	215000
GR1875.2		381	1905.5	425	1898.0	478	1901.8	700	1904.0	880	216000
GR1908.0		950	1920.0	1016	1900.0	1049					217000
NC	.12	.10	.055								218000
OT	6	8700	10500	20300	23000	29800	23000				219000
ET							9.11		370	790	220000
X1	5.54	26	560	714	2320	2240	2240				221000
GR1920.0		15	1920.0	86	1920.0	95	1920.0	170	1906.2	170	222000
GR1905.5		230	1906.4	305	1907.1	381	1905.4	455	1906.3	509	223000
GR1909.1		510	1909.0	551	1905.8	560	1900.5	570	1899.1	580	224000
GR1898.4		600	1898.0	646	1900.6	667	1903.0	677	1907.0	714	225000
GR1911.5		725	1911.0	760	1908.7	750	1910.5	758	1910.6	825	226000
GR1920.0		825									227000
NC	.10	.00	.055								228000
OT	7	5770	10250	14000	17140	22800	17140	5000			229000
ET							9.11		970	1270	229011
X1	5.50	.18	004	1105	500	50	150				229101
GR1930.0		960	1906.5	998	1906.0	1000	1903.0	1005	1900.2	1012	229201

GR1901.0	1098	1904.0	1100	1906.5	1105	1912.5	1118	1913.5	1160	229300
GR1913.5	1170	1912.2	1200	1912.2	1258	1930.0	1292			229400
FT						0.11		970	1270	229410
X1	5.59	18	994	1105	1	1	1			229500
GR1930.0	960	1906.5	998	1906.0	1000	1930.0	1000	1930.0	1005	229600
GR1903.0	1005	1900.2	1012	1901.0	1098	1904.0	1100	1930.0	1100	229700
GR1930.0	1105	1906.5	1105	1912.5	1118	1913.5	1160	1913.5	1170	229800
GR1912.2	1200	1912.2	1268	1930.0	1292					229900
FT						0.11		970	1270	229901
X1	5.59		80	80	80					229910
FT						0.11		970	1270	229911
X1	5.59	14	994	1105	1	1	1			229920
GR1930.0	960	1906.5	998	1906.0	1000	1903.0	1005	1900.2	1012	229940
GR1901.0	1098	1904.0	1100	1906.5	1105	1912.5	1118	1913.5	1160	229950
GR1913.5	1170	1912.2	1260	1912.2	1268	1930.0	1292			229960
FT						0.11		970	1270	229961
X1	5.59	19	994	1105	100	300	200			229970
GR1931.0	412	1919.0	450	1910.0	637	1908.5	750	1907.5	825	229980
GR1909.0	862	1909.0	915	1908.0	975	1906.5	994	1906.0	1000	229990
GR1903.0	1005	1900.2	1012	1901.0	1098	1904.0	1100	1906.5	1105	229991
GR1912.5	1118	1913.5	1160	1913.5	1271	1926.5	1362			229992
FT						0.11		430	530	230000
X1	5.84	23	467	610	1070	1070	1070			231000
GR1903.0	0	1936.5	16	1920.5	42	1928.7	92	1921.3	106	232000
GR1919.5	140	1920.5	275	1920.5	350	1916.1	419	1911.0	467	233000
GR1907.3	478	1903.2	510	1903.2	559	1907.3	568	1911.1	610	234000
GR1917.6	648	1920.5	659	1920.5	674	1920.2	697	1922.3	825	235000
GR1924.9	916	1935.8	1018	1945.0	1067					236000
NC	.13	.10	.055							237000
FT						0.11		95	220	238000
X1	6.07	18	107	212	1400	1200	1240			239000
GR1927.0	54	1917.0	68	1917.0	67	1918.9	68	1917.6	102	240000
GR1914.0	107	1909.0	111	1908.0	114	1908.0	140	1900.8	155	241000
GR1908.8	202	1909.4	206	1912.3	212	1915.0	230	1921.5	245	242000
GR1921.9	264	1924.3	271	1930.0	356					243000
NC	.11	.11	.055							244000
FT						0.11		80	220	245000
X1	6.36	20	01	200	1710	1270	1590			246000
GR1954.5	29	1944.0	41	1931.0	60	1922.0	76	1919.8	91	247000
GR1918.4	94	1917.0	100	1912.0	125	1915.4	160	1910.3	180	248000
GR1916.3	191	1918.0	200	1922.0	209	1925.1	229	1926.4	230	249000
GR1925.2	260	1926.0	260	1928.3	266	1927.0	300	1927.1	400	250000
GR1931.9	500	1935.5	540	1940.7	560	1950.0	582			251000
NC	.12	.11	.055							252000
FT						0.11		60	235	253000
X1	6.43	10	69	225	300	270	300			254000
GR1941.0	19	1929.4	30	1922.4	69	1920.5	70	1919.6	80	255000
GR1920.1	150	1920.1	200	1920.5	204	1925.4	225	1928.4	230	256000
GR1928.4	250	1929.5	256	1931.0	305	1941.5	330			257000
NC	.06	.15	.055							258000
FT						0.11		480	615	259000
X1	6.60	22	404	500	1100	1150	1140			261000
GR1960.0	17	1945.0	23	1943.0	100	1943.0	160	1944.1	150	262000
GR1940.4	200	1945.8	250	1960.0	250	1960.0	450	1940.8	450	263000
GR1940.6	456	1939.7	460	1928.0	490	1925.1	500	1923.4	595	264000
GR1925.5	600	1941.4	616	1942.0	637	1944.3	647	1946.3	653	265000
GR1940.1	657	1960.0	688							266000
NC	.05	.12	.055							267000
FT						0.11		670	825	268000





Q1	6	5620	10030	14640	16840	22540	16840			329000	
ET						0.11		130	310	329100	
X1	7.2	14	143	302	280	280	280			330000	
GR1970.0		60	1951.0	65	1949.0	93	1949.9	98	1948.9	143	331000
GR1936.7		160	1936.7	270	1950.0	302	1950.0	310	1970.0	310	332000
GR1970.0		420	1946.2	520	1952.0	600	1970.0	600			333000
MC	10	.07	.05								334000
ET						0.11		130	350	335000	
X1	7.26	18	103	343	300	300	310			336000	
GR1970.0		60	1951.0	91	1949.0	93	1949.9	98	1948.9	143	337000
GR1941.4		150	1936.5	178	1937.0	200	1937.7	212	1938.7	260	338000
GR1938.7		290	1929.6	326	1947.7	343	1970.0	343	1970.0	520	339000
GR1948.2		520	1952.0	600	1970.0	600					340000
MC	04	.06	.044								341000
QT	0	5600	10000	14600	16800	22500	16800				342000
ET						0.11		500	690	343000	
X1	7.36	29	507	680	660	560	600			344000	
GR1973.5		60	1957.2	72	1957.2	98	1949.3	104	1946.3	116	345000
GR1945.9		120	1946.4	122	1946.9	123	1949.2	200	1970.0	200	346000
GR1970.0		350	1948.4	350	1946.3	355	1948.4	368	1950.9	379	347000
GR1950.1		423	1949.6	460	1951.1	507	1948.0	520	1940.5	538	348000
GR1941.1		551	1940.1	600	1941.4	622	1942.4	651	1947.1	663	349000
GR1951.1		660	1950.6	800	1950.9	820	1980.0	820			350000
ET						0.11		500	690	350100	
X1	7.38									351000	
ET						0.11		500	690	351100	
X1	7.38	28	507	680	1	1	1			352000	
BT	10	408	1950.4	0	500	1955.7	0	507	1955.9	0	353000
BT	507	1955.9	1951.1	551	1957.0	1952.3	620	1957.0	1952.3	660	354000
BT1955.7		1051.1	680	1955.7	0	686	1955.4	0	754	1950.8	355000
BT	0										356000
GR1970.0		300	1949.5	300	1946.3	355	1948.4	368	1950.9	379	357000
GR1950.4		408	1950.1	423	1949.6	480	1950.9	500	1951.1	507	358000
GR1944.0		520	1940.5	538	1941.3	551	1952.3	551	1952.3	553	359000
GR1941.1		553	1940.1	600	1941.3	620	1952.3	620	1941.4	622	360000
GR1942.4		651	1947.1	663	1951.1	660	1951.0	666	1950.8	754	361000
GR1950.6		800	1950.9	820	1980.0	820					362000
ET						0.11		500	690	362100	
X1	7.38									363000	
X2										364000	
ET						0.11		500	690	364100	
X1	7.38	10	507	680	1	1	1			365000	
GR1970.0		300	1949.5	300	1946.3	355	1948.4	368	1950.9	379	366000
GR1950.1		423	1949.6	460	1951.1	507	1948.0	520	1940.5	538	367000
GR1941.1		551	1940.1	600	1941.4	622	1942.4	651	1947.1	663	368000
GR1951.1		660	1950.6	800	1950.9	820	1980.0	820			369000
ET						0.11		500	690	369100	
X1	7.38									370000	
MC	07	.08	.05								371000
ET						0.11		1000	1210	372000	
X1	7.50	23	1023	1193	950	880	800			373000	
GR1980.0		200	1968.0	250	1964.0	280	1960.0	340	1959.6	400	374000
GR1980.0		400	1980.0	730	1957.0	730	1956.0	1003	1952.0	1023	375000
GR1948.0		1033	1944.4	1044	1944.4	1048	1944.4	1060	1945.4	1060	376000
GR1944.4		1166	1943.0	1183	1952.0	1193	1956.0	1243	1960.0	1333	378000
GR1964.0		1350	1964.0	1363	1980.0	1397					379000
ET						0.11		1010	1190	380000	
X1	7.62	20	1023	1180	250	300	280			381000	
GR1977.0		0	1972.4	70	1964.1	240	1960.9	350	1960.9	470	382000
GR1950.1		652	1958.7	703	1960.1	728	1960.1	756	1957.3	860	383000

GR1950.5	1007	1952.0	1023	1946.2	1048	1945.7	1048	1945.7	1060	384000
GR1945.7	1126	1945.7	1152	1946.3	1163	1955.0	1180	1960.2	1190	386000
GR1961.2	1230	1961.2	1255	1961.7	1342	1980.0	1393			387000
NC	081	031	045							388000
	6	5520	2970	14550	16740	22420	16740			389000
						0.11		930	1090	390000
Y1	7.71	43	405	1960	540	330	430			391000
GR1983.0	0	1977.7	32	1967.4	69	1965.0	72	1965.0	95	392000
GR1961.0	200	1960.7	300	1961.3	400	1961.3	500	1961.1	521	393000
GR1962.1	530	1962.0	550	1961.2	561	1961.2	600	1960.0	560	394000
GR1960.0	720	1960.0	800	1960.0	913	1956.0	920	1952.0	945	395000
GR1951.7	945	1947.4	950	1948.0	957	1947.0	964	1947.0	1000	396000
GR1948.1	1000	1947.7	1023	1947.7	1040	1947.0	1045	1947.0	1054	397000
GR1949.0	1060	1950.9	1060	1952.0	1080	1952.7	1080	1961.1	1123	398000
GR1962.1	1166	1962.0	1193	1960.3	1220	1967.0	1270	1970.1	1243	399000
GR1975.2	1312	1975.1	1343	1984.0	1340					400000
ET						0.11		930	1090	401000
Y1	7.71	50	944	1090	40	40	40			402000
GR1983.0	0	1977.7	34	1967.4	69	1966.0	72	1965.6	95	403000
GR1961.0	200	1960.7	300	1961.3	400	1961.3	500	1961.1	521	404000
GR1962.1	530	1962.0	550	1961.2	561	1961.2	600	1960.0	560	405000
GR1960.0	720	1960.0	800	1960.0	913	1956.0	920	1955.0	930	406000
GR1955.3	944	1952.0	940	1951.0	951	1951.7	980	1951.2	1000	407000
GR1952.0	1021	1951.5	1037	1951.3	1042	1948.8	1050	1951.4	1090	408000
GR1961.2	1125	1962.1	1166	1962.6	1193	1964.3	1220	1967.0	1270	409000
GR1970.1	1273	1975.2	1312	1975.1	1343	1984.0	1340			410000
ET						0.11		930	1090	411000
Y1	7.71	40	245	1060	20	20	20			412000
GR1983.0	0	1977.7	30	1967.4	69	1966.0	72	1965.6	95	413000
GR1961.0	200	1960.7	300	1961.3	400	1961.3	500	1961.1	521	414000
GR1962.1	530	1962.0	550	1961.2	561	1961.2	600	1960.0	600	415000
GR1960.0	720	1960.0	800	1960.0	913	1956.0	920	1952.4	945	416000
GR1951.4	944	1948.5	956	1950.0	961	1948.0	968	1948.5	975	417000
GR1948.5	985	1948.0	997	1948.0	1000	1948.2	1010	1948.2	1018	418000
GR1948.8	1048	1948.5	1058	1950.9	1060	1952.0	1060	1952.7	1060	419000
GR1961.1	1123	1962.1	1166	1962.6	1193	1964.3	1220	1967.0	1270	420000
GR1970.1	1293	1975.2	1312	1975.1	1343	1984.0	1340			421000
NC	12	09	040							422000
ET						0.11		510	670	423000
Y1	7.84	35	20	660	220	060	400			424000
GR1980.0	8	1973.7	29	1972.9	51	1970.7	61	1964.7	70	425000
GR1965.7	80	1960.1	89	1966.0	99	1965.1	107	1961.4	110	426000
GR1964.7	120	1960.4	138	1964.1	200	1963.2	294	1961.2	400	427000
GR1963.0	468	1960.2	500	1959.9	520	1956.9	530	1954.5	566	428000
GR1953.3	548	1952.3	508	1952.0	557	1951.5	564	1951.5	641	429000
GR1952.0	640	1955.0	600	1963.2	660	1963.2	677	1963.2	690	430000
GR1963.4	716	1963.1	723	1963.5	760	1967.0	811	1980.0	825	431000
NC	10	09	045							432000
ET						0.11		1010	1210	433000
Y1	7.05	24	1025	1197	500	310	300			434000
GR1980.0	600	1963.1	600	1968.1	612	1966.9	641	1965.9	750	435000
GR1963.2	813	1963.3	900	1964.9	901	1964.4	1000	1963.7	1023	436000
GR1953.7	1068	1952.6	1090	1952.6	1122	1953.9	1150	1961.6	1161	437000
GR1967.0	1197	1966.0	1220	1995.0	1220	1995.0	1270	1966.2	1270	438000
GR1965.4	1263	1968.1	1329	1973.7	1460	1977.8	1485			439000
NC	10	09	045							440000
						0.11		650	890	441000
Y1	8.14	25	660	850	980	1000	900			442000
GR1985.0	20	1972.0	20	1972.0	150	1970.8	300	1970.1	400	443000
GR1968.0	600	1971.0	600	1969.2	677	1962.0	685	1960.5	700	444000

GR1958.0	700	1958.1	720	1955.5	756	1956.9	778	1960.0	850	845000	
GR1963.5	870	1968.6	876	1970.8	880	1970.8	890	1971.0	898	846000	
GR1985.0	898	1985.0	908	1970.8	948	1970.2	1010	1971.4	1074	847000	
GR1985.0	1087									848000	
NI	.20	1151	.12	1380	.05	1570	.10	1818		849000	
						0.11		1573	1573	850000	
Y1	A.18	28	1386	1570	200	190	230			851000	
GR2000.0	570	2000.0	586	2000.0	750	1971.4	750	1971.2	770	852000	
GR1968.6	883	1970.0	1090	1972.6	1124	1976.5	1151	1973.4	1223	853000	
GR1969.0	1269	1967.5	1313	1962.9	1386	1960.0	1409	1958.0	1418	854000	
GR1957.3	1425	1957.3	1512	1950.7	1524	1959.9	1541	1964.6	1570	855000	
GR1972.8	1573	1990.0	1573	1990.0	1623	1971.6	1623	1971.0	1730	856000	
GR1970.2	1742	1973.0	1766	2000.0	1818					857000	
NH	.4	.20	1260	.12	1400	.05	1583	.10	1573	858000	
OT	.76	5540	9910	14080	16650	22280	16650			859000	
ET						0.11		1373	1573	859100	
Y1	A.27	13	1400	1543	520	880	470			860000	
GR1990.0	750	1972.0	750	1972.0	1260	1968.0	1260	1968.0	1350	861000	
GR1964.0	1400	1960.5	1410	1960.5	1505	1964.0	1510	1972.2	1543	862000	
GR1977.2	1552	1977.2	1573	1990.0	1573					863000	
NC	.20	.12	.05							864000	
ET						0.11		1195	1570	865000	
Y1	A.40	22	1420	1564	630	780	700			866000	
GR1972.0	20	1980.0	25	1920.0	30	1980.0	700	1972.0	700	867000	
GR1972.0	995	1985.0	995	1985.0	1195	1972.0	1195	1972.0	1300	867100	
GR1972.0	1427	1973.5	1423	1973.5	1433	1971.0	1439	1963.0	1492	868000	
GR1963.1	1501	1963.1	1560	1963.0	1573	1974.0	1560	1977.5	1560	869000	
GR1982.0	1578	1980.0	1594							870000	
NC	.12	.12	.05							871000	
ET						0.11		1600	1900	872000	
Y1	A.63	25	1830	1981	1150	1290	1240			873000	
2020.0	1300	1977.8	1300	1977.7	1413	1972.2	1440	1969.7	1654	875000	
GR1969.7	1720	1971.0	1735	1975.5	1780	1971.5	1834	1968.2	1850	876000	
GR1965.4	1866	1965.8	1913	1965.0	1935	1960.5	1935	1984.0	1901	877000	
GR1984.0	1963	1986.7	1987	1986.7	2008	1986.0	2016	1988.4	2030	878000	
GR1993.0	2127	1990.5	2125	1990.2	2230	1999.2	2250	2002.0	2335	879000	
OT	.5	5500	9850	14010	16500	22160	16560			880000	
ET						0.11		1400	1650	881000	
Y1	A.78	21	1413	1540	710	710	710			882000	
GR1982.2	1100	1982.2	1103	1984.1	1170	1984.1	1195	1983.0	1250	884000	
GR1983.0	1300	1983.0	1350	1983.0	1400	1983.0	1400	1983.0	1413	885000	
GR1964.8	1432	1969.8	1530	1982.5	1558	1983.2	1593	1982.9	1609	886000	
GR1988.1	1780	2000.0	1780	2000.0	1914	1989.5	1914	1991.1	1935	887000	
GR2000.0	1963									888000	
ET						0.11		1400	1650	888100	
Y1	A.70				80	80	80			889000	
ET						0.11		1400	1650	889100	
Y1	A.78	40	1413	1540	1	1	1			890000	
RT	.10	1000	1983.5		1105	1983.3	0	1403	1985.4	0	891000
RT	1413	1985.5	0	1413	1985.5	1981.2	1452	1985.8	1980.9	1540	892000
RT1984.4	1980.3	1504	1984.8	1980.5	1540	1982.3	0	1557	1982.3	893000	
RT	0									894000	
GR2000.2	740	2000.2	1100	1982.4	1103	1982.5	1166	1984.1	1174	896000	
GR1984.1	1195	2000.0	1195	2000.0	1200	2000.0	1300	2000.0	1350	897000	
GR2000.0	1400	1983.5	1400	1983.5	1403	1983.4	1413	1979.0	1413	898000	
GR1970.5	1033	1970.0	1038	1970.4	1052	1980.9	1052	1980.9	1054	899000	
GR1970.5	1050	1969.2	1084	1969.5	1505	1980.5	1505	1980.5	1507	500000	
GR1970.5	1507	1970.5	1530	1971.1	1530	1977.5	1500	1982.5	1544	501000	
GR1982.5	1557	1982.7	1558	1983.2	1593	1982.9	1600	1988.1	1780	502000	
GR2000.0	1730	2000.0	1914	1984.3	1914	1991.1	1935	2000.0	1963	503000	

FT						0.11		1400	1650	503100
Y1 R.78				50	50	50				504000
Y2						1				505000
FT						0.11		1400	1650	505100
GR1978	20	1413	1552	10	10	10				506000
GR2000.2	700	2000.0	800	2000.0	1100	1982.2	1100	1982.2	1163	508000
GR1984.1	1170	1986.1	1195	2000.0	1195	2000.0	1300	2000.0	1350	509000
GR2000.0	1000	1983.0	1000	1983.0	1413	1964.2	1432	1964.2	1530	510000
GR1982.3	1552	1983.2	1593	1982.4	1609	1988.1	1789	2000.0	1789	511000
GR2000.0	1910	1989.3	1910	1991.1	1935	2000.0	1963			512000
FT						0.11		1400	1650	512100
Y1 R.78				10	10	10				513000
NC .06	.12	.005								514000
FI						0.11		950	1150	515000
Y1 R.86	10	950	1100	410	450	420				516000
GR2000.0	750	1983.7	750	1984.5	820	1984.3	847	1982.5	870	517000
GR2000.0	870	2000.0	950	1980.0	950	1973.0	958	1971.3	980	518000
GR1971.3	1054	1973.0	1075	1980.9	1105	1984.0	1131	1983.6	1166	519000
GR1982.6	1161	1984.9	1200	1995.0	1214	2000.0	1508			520000
NC .10	.13	.05								521000
FT						0.11		220	375	522000
Y1 R.98	20	220	340	370	450	380				523000
GR1990.0	8	1990.0	25	1990.0	120	1990.0	135	1983.6	135	524000
GR1983.8	171	1978.8	180	1978.0	185	1990.0	195	1990.0	215	525000
GR1976.7	215	1976.5	220	1974.1	245	1973.3	260	1972.4	319	526000
GR1974.0	327	1975.5	351	1976.7	340	1979.7	361	1977.9	373	527000
GR1981.3	349	1978.0	420	1985.0	450	1985.7	483	1987.8	510	528000
GR1986.0	520	1985.3	550	1986.9	555	1991.0	650			529000
NC .10	.13	.05								530000
FT	0	5000	8220	14350	16510	22020	16510			531000
FI						0.11		170	420	532000
Y1 R.07	37	182	307	900	620	720				533000
GR2005.0	17	1993.3	41	1990.6	49	1989.3	63	1987.7	104	534000
GR1988.7	129	1987.9	162	1986.0	171	1983.3	196	1980.1	200	535000
GR1974.2	214	1974.1	229	1979.1	260	1980.2	290	1981.8	294	536000
GR1983.4	307	1982.4	316	1984.0	354	1981.1	369	1983.1	379	537000
GR1982.1	413	1987.0	423	1987.5	450	1986.7	500	1986.0	536	538000
GR1988.7	513	1989.0	550	1990.0	553	1989.0	573	1989.4	579	539000
GR1985.5	567	1984.6	600	1984.0	640	1981.6	630	1982.0	700	540000
GR1985.2	724	1987.7	774	1989.0	781	1988.9	792	1987.1	816	541000
GR1986.1	820	1986.7	900	1989.4	980	1989.3	1000	1992.1	1053	542000
GR1991.8	1100	2005.0	1220							543000
NC .10	.13	.05								544000
FT						0.11		280	530	545000
Y1 R.16	37	300	445	460	350	400				546000
GR2015.0	80	2004.2	110	2000.3	100	1999.5	150	1990.0	163	547000
GR1996.1	181	1995.5	203	1994.7	207	1995.1	220	1995.1	232	548000
GR1990.5	267	1988.9	300	1980.2	333	1979.4	336	1979.4	350	549000
GR1979.0	410	1979.4	420	1980.1	420	1984.4	435	1987.0	445	551000
GR1989.7	476	1990.7	487	1989.4	500	1987.7	600	1983.9	632	552000
GR1984.0	641	1985.2	661	1984.7	640	1986.6	717	1990.5	753	553000
GR1990.5	763	1990.5	870	1992.0	922	1994.7	960	1997.6	1003	554000
GR2000.4	1072	2015.0	1042							555000
FT						0.11		280	530	555100
Y1 R.16				40	40	40				556000
FI						0.11		280	530	556100
Y1 R.14	47	300	457	1	1	1				557000
GR1995.1	250	1995.1	0	300	1995.6	0	300	1996.4	1992.6	558000
FT	457	1996.4	1901.1	457	1996.9	0	460	1996.0	0	559000
GR1994.1	0	475	1993.6	0						560000



GR2015.0	40	2004.2	110	2000.3	140	1999.5	150	1994.6	163	561000
GR1995.1	181	1995.5	203	1994.7	207	1995.1	220	1995.1	268	562000
GR1995.6	300	1990.5	300	1986.9	320	1980.2	333	1979.4	334	563000
GR1979.4	350	1992.1	350	1992.1	352	1970.4	352	1979.4	360	564000
GR1979.4	370	1979.4	380	1979.4	380	1970.4	410	1991.6	410	565000
GR1991.5	412	1979.4	412	1979.4	420	1980.2	420	1984.4	435	566000
GR1987.0	445	1989.1	457	1994.2	457	1990.1	460	1993.6	475	567000
GR1993.4	490	1990.4	488	1990.3	499	1989.3	717	1989.4	740	568000
GR1990.5	753	1990.5	870	1992.6	922	1994.7	960	1997.6	1003	569000
GR2006.9	1072	2015.0	1042							570000
FT						9.11		280	530	570100
Y1 9.16			30		30	30				571000
Y2						1				572000
FT						9.11		280	530	572100
Y1 9.16	37	300	445	1	1	1				573000
GR2015.0	40	2004.2	110	2000.3	140	1999.5	150	1994.6	163	574000
GR1996.1	181	1995.5	203	1994.7	207	1995.1	220	1995.1	232	575000
GR1990.3	267	1984.9	300	1980.2	333	1979.4	336	1979.4	350	576000
GR1979.4	410	1979.4	420	1980.1	424	1984.4	435	1987.0	445	578000
GR1989.7	476	1990.7	482	1984.4	500	1987.7	500	1985.9	632	579000
GR1984.4	641	1985.2	601	1981.7	490	1986.6	714	1990.5	753	580000
GR1990.5	763	1990.5	870	1992.6	922	1994.7	960	1997.6	1003	581000
GR2006.9	1072	2015.0	1042							582000
FT						9.11		280	530	582100
Y1 9.16			1		10	10				583000
NC .13	.15	.055								584000
OT	5460	9740	14310	16400	21940	16800				585000
FT						9.11		75	260	586000
Y1 9.08	27	46	211	1626	1660	1610				587000
GR2005.0	39	2000.1	55	2000.1	71	1996.1	73	1991.3	88	588000
GR1991.1	64	1987.6	102	1987.6	119	1987.6	199	1987.6	210	589000
GR1988.6	211	1987.7	220	1989.3	229	1991.0	259	1991.0	271	590000
GR1995.2	265	1998.4	309	1995.0	359	1998.5	406	1998.7	491	591000
GR1998.7	538	1999.1	566	1991.6	615	1998.9	654	1999.2	739	592000
GR2004.3	800	2009.4	830							593000
NC .10	.15	.05								594000
FT						9.11		415	470	595000
Y1 9.62	33	430	552	950	910	840				596000
GR2025.0	52	2021.9	41	2009.6	136	2008.5	180	2006.7	230	597000
GR2005.0	243	2005.6	290	2005.3	305	2005.5	342	2003.5	361	598000
GR2025.0	361	2025.0	390	2005.3	390	1999.8	414	1994.5	430	599000
GR1993.3	431	1993.3	522	1990.3	552	1995.2	600	1998.0	639	600000
GR1997.2	718	1994.6	766	1994.6	782	1999.4	807	2000.6	860	601000
GR2003.2	928	2003.2	951	2001.6	958	2002.5	998	1999.9	990	602000
GR2001.6	1014	2017.5	1042	2025.0	1113					603000
NC .080	.150	.045	.1	.5						604000
FT						9.11		560	960	605000
Y1 9.60	42	582	800	1230	140	200				606000
GR2000.0	75	2005.5	265	2007.5	295	2007.5	350	2005.5	378	607000
GR2000.5	475	1996.5	682	1994.4	645	1992.5	690	1992.0	710	608000
GR1992.5	725	1994.2	765	1993.6	765	1994.4	765	1995.6	797	609000
GR1997.3	800	1999.0	810	1993.1	820	2000.3	835	1993.8	878	610000
GR1999.3	900	1996.9	987	1997.0	959	1996.6	991	1997.4	1000	611000
GR1997.3	1026	2001.5	1015	2002.1	1024	2001.3	1044	2001.5	1062	612000
GR2005.5	1160	2004.5	1122	2004.7	1138	2006.4	1155	2004.3	1182	613000
GR2005.6	1145	2001.7	1222	2005.7	1257	2006.7	1275	2015.5	1290	614000
GR2015.5	1300	2024.5	1415							615000
NC .130	.150	.045								616000
OT	5430	9750	14260	16380	21910	16380				617000
FT						9.11		610	940	618000

Y1 9.50	51	729	887	730	680	700			619000		
GR2042.0	40	2030.5	66	2014.5	100	2014.5	119	2011.5	148	620000	
GR2009.7	300	2004.8	300	2004.0	400	2007.4	526	2007.8	600	621000	
GR2007.7	622	2007.0	631	2007.4	638	2007.5	676	2005.5	698	622000	
GR2002.4	795	2001.3	729	1994.3	740	1996.8	742	1996.5	756	623000	
GR1997.0	768	1994.2	773	1997.4	785	1995.6	790	1996.4	799	624000	
GR1995.2	823	1995.7	832	1995.7	842	1996.7	850	1996.6	867	625000	
GR2005.0	900	2004.8	928	2003.6	939	2003.6	957	2005.2	989	626000	
GR2007.4	1010	2007.6	1019	2015.5	1075	2019.0	1089	2014.0	1120	627000	
GR2014.8	1156	2015.0	1170	2014.5	1200	2014.2	1225	2012.7	1263	628000	
GR2011.5	1230	2011.3	1295	2013.5	1310	2019.5	1325	2027.4	1340	629000	
GR2035.4	1355									630000	
NC .130	.130	.005	.3							631000	
ET						9.11	610	940		632000	
Y1 9.80	42	729	887	730	40	40				633000	
GR2042.0	40	2030.7	58	2032.5	140	2030.0	260	2027.0	574	634000	
GR2028.9	575	2030.0	622	2007.7	622	2007.6	631	2007.4	638	635000	
GR2007.5	676	2003.5	690	2002.9	705	2001.3	729	1999.3	740	636000	
GR1996.8	742	1996.5	756	1997.4	768	1999.2	773	1997.9	785	637000	
GR1995.0	790	1996.4	799	1995.2	823	1995.7	832	1995.7	842	638000	
GR1996.7	850	1996.6	867	2005.0	900	2004.8	928	2027.0	928	639000	
GR2024.5	960	2023.1	960	2022.5	1030	2019.0	1090	2019.0	1120	640000	
GR2017.0	1135	2013.5	1252	2011.5	1260	2011.5	1282	2015.0	1302	641000	
GR2029.0	1330	2039.2	1350							642000	
NC .130	.130	.000								643000	
ET						9.11	610	940		644000	
Y1 9.80	52	728	887	730	1	1	1			645000	
RT	4	622	2030.0	0	622	2030.0	2021.7	928	2027.0	2018.7	646000
RT	428	2027.0	0								647000
GR2042.0	40	2034.7	58	2032.5	140	2030.0	260	2027.0	574	648000	
GR2025.4	575	2030.0	622	2008.0	622	2006.2	632	2006.8	638	649000	
GR2004.2	662	2007.5	675	2021.0	677	2021.0	682	2004.0	683	650000	
GR2002.0	710	2002.0	715	2000.1	728	2003.0	728	2001.3	740	651000	
GR2020.5	742	2020.5	747	1997.6	748	1996.0	760	1997.8	794	652000	
GR1997.8	797	1996.5	800	2020.0	802	2019.4	807	1995.0	808	653000	
GR1997.0	830	1996.4	845	1997.0	858	2019.2	850	2019.0	865	654000	
GR1998.2	866	1994.5	887	2002.9	900	2004.8	928	2027.0	928	655000	
GR2024.5	970	2023.2	970	2022.5	1030	2019.0	1090	2019.0	1120	656000	
GR2017.0	1135	2013.5	1252	2011.5	1280	2011.5	1282	2015.0	1302	657000	
GR2029.0	1330	2039.2	1350							658000	
NC .130	.130	.005								659000	
ET						9.11	610	940		660000	
Y1 9.80	0	0	0	30	30	30				661000	
Y2						1				662000	
NC .130	.130	.005								663000	
ET						9.11	610	940		664000	
Y1 9.80	42	729	887	730	1	1	1			665000	
GR2042.0	40	2034.7	58	2032.5	140	2030.0	260	2027.0	574	666000	
GR2028.9	575	2030.0	622	2007.7	622	2007.6	631	2007.4	638	667000	
GR2007.5	676	2003.5	690	2002.9	705	2001.3	729	1999.3	740	668000	
GR1996.8	742	1996.5	756	1997.4	768	1999.2	773	1997.9	785	669000	
GR1995.0	790	1996.4	799	1995.2	823	1995.7	832	1995.7	842	670000	
GR1996.7	850	1996.6	867	2005.0	900	2004.8	928	2027.0	928	671000	
GR2024.5	960	2023.1	960	2022.5	1030	2019.0	1090	2019.0	1120	672000	
GR2017.0	1135	2013.5	1252	2011.5	1280	2011.5	1282	2015.0	1302	673000	
GR2029.0	1330	2039.2	1350							674000	
NC .13	.13	.000								675000	
ET						9.11	610	940		676000	
Y1 9.80	51	729	887	730	10	10	10			677000	
GR2042.0	40	2030.5	66	2014.5	100	2014.5	119	2011.5	148	678000	

GR2009.7	200	2008.0	300	2008.4	400	2007.9	526	2007.8	600	679000
GR2007.7	622	2007.6	631	2007.6	638	2007.5	676	2003.5	697	680000
GR2002.9	705	2001.3	729	1999.3	740	1996.8	742	1996.5	756	681000
GR1997.0	768	1999.2	773	1997.9	785	1995.6	790	1996.4	799	682000
GR1995.2	823	1995.7	832	1995.7	842	1996.7	850	1996.6	827	683000
GR2005.0	900	2004.0	928	2003.0	938	2003.6	957	2005.2	969	684000
GR2007.4	1000	2007.0	1019	2014.5	1075	2019.0	1089	2019.0	1120	685000
GR2014.0	1156	2015.5	1170	2014.5	1200	2014.2	1225	2012.7	1263	686000
GR2011.5	1260	2011.5	1295	2013.5	1310	2019.5	1325	2027.0	1340	687000
GR2035.4	1355									688000
ET					9.11		1340	1640		689000
Y1 9.99	55	1452	1547	1000	1240	1600				690000
GR2012.6	1100	2009.5	1300	2009.5	1325	2008.0	1400	2008.0	1423	691000
GR2008.7	1452	2003.9	1472	2003.9	1509	2003.4	1530	2003.5	1545	692000
GR2003.0	1560	2003.4	1570	2003.7	1595	2006.5	1597	2009.4	1614	693000
GR2008.5	1623	2009.4	1552	2012.5	1640	2013.5	1649	2012.5	1658	694000
GR2012.4	1673	2013.2	1700	2014.5	1800	2020.6	2000	2023.6	2034	695000
GR2024.3	2060	2023.9	2072	2026.5	2085	2027.4	2110	2026.5	2118	696000
GR2026.4	2128	2030.2	2150	2033.6	2166	2052.5	2210	2060.0	2210	697000
ET					9.11		1420	1920		698000
Y1 10.24	49	1670	1400	1160	1360	1280				699000
GR2010.0	760	2019.1	760	2019.0	793	2017.8	800	2018.5	900	700000
GR2018.5	1000	2017.6	1100	2017.4	1200	2017.3	1300	2016.5	1400	701000
GR2015.5	1020	2010.5	1080	2010.5	1050	2013.0	1056	2015.3	1067	702000
GR2013.7	1080	2014.1	1090	2013.5	1075	2015.7	1075	2016.4	1046	703000
GR2014.2	1535	2011.6	1590	2012.5	1620	2012.9	1656	2014.8	1672	704000
GR2015.5	1690	2011.3	1700	2009.6	1707	2009.7	1717	2010.2	1726	705000
GR2009.3	1753	2009.4	1779	2009.2	1785	2009.8	1790	2012.5	1797	706000
GR2012.0	1800	2016.3	1856	2015.4	1860	2015.5	1875	2015.1	1885	707000
GR2014.7	1900	2015.5	1915	2016.6	1940	2016.5	1975	2014.5	2000	708000
GR2015.5	2020	2015.0	2033	2014.4	2045	2030.0	2100			709000
GR2010.10	10	1060								710000
ET	7	1570	3370	5550	6730	9720	6730	800		711000
ET					9.11		1560	1920		711100
Y1 10.45	9	1730	1800	800	800	600				712000
GR2040.0	1260	2021.7	1300	2019.0	1731	2013.0	1735	2013.0	1750	713000
GR2013.5	1795	2017.0	1860	2020.6	2035	2030.0	2100			714000
MC	05	13	1050							715000
ET	6	1493	3260	5390	6520	9440	6520			716000
ET					9.11		1520	1660		717000
Y1 10.45	18	1567	1630	1500	1300	1300				718000
GR2032.2	900	2032.0	900	2032.2	975	2032.7	1000	2032.5	1050	719000
GR2032.5	1100	2030.6	1200	2031.0	1300	2032.8	1400	2032.2	1455	720000
GR2032.3	1515	2033.5	1529	2027.5	1567	2026.0	1570	2022.2	1560	721000
GR2022.2	1610	2027.1	1630	2054.0	1720					722000
MC	080	130	1075							723000
ET					9.11		1520	1740		724000
Y1 10.60	32	1567	1635	200	200	200				725000
GR2032.2	600	2032.4	900	2032.2	975	2032.7	1000	2032.5	1050	726000
GR2032.6	1100	2030.6	1200	2031.0	1300	2032.0	1400	2033.2	1455	727000
GR2032.0	1515	2033.5	1529	2027.5	1567	2025.4	1570	2023.0	1565	728000
GR2024.0	1612	2025.2	1617	2027.1	1635	2027.4	1643	2027.4	1672	729000
GR2027.2	1695	2027.2	1700	2027.4	1707	2027.2	1715	2034.7	1737	730000
GR2000.9	1735	2001.7	1752	2002.5	1783	2001.6	1786	2004.2	1800	731000
GR2050.5	1815	2060.0	1825							732000
MC	080	130	1075							733000
ET					9.11		1520	1740		734000
Y1 10.60	30	1567	1707	50	50	50				735000
GR2050.0	740	2035.7	780	2033.0	1280	2034.4	1360	2036.3	1480	736000
GR2034.3	1530	2034.4	1530	2001.0	1545	2027.5	1555	2027.5	1567	737000





ER 2046.5	098 2047.7	795 2047.7	500 2046.5	506 2049.3	520	798000
ER 2049.0	535 2049.4	507 2051.1	520 2050.7	566 2051.7	572	799000
ER 2057.8	583 2057.7	600 2060.3	674 2066.2	700 2067.4	712	800000
ER 2066.7	740 2066.0	745 2068.5	758 2070.5	770 2074.7	800	801000
ER 2074.2	807 2070.0	817				802000
						803000
1	CHEKOKEE D. C.					814000
12	100-YEAR FLOODWAY					815000
13	OCCONALLETTE RIVER					816000
11	7	.0056		1725.0		817000
12	15	-1				818000
						829000
						830000
						831000
ER						832000

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FLOODWAY DATA, ORIGINAL LITTLE RIVER  
PROFILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE	
	WIDTH	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY		
<del>21</del>	<del>240.</del>	<del>2147.</del>	<del>11.2</del>	<del>1797.0</del>	<del>1797.0</del>	<del>0</del>	
<del>.210</del>	<del>240.</del>	<del>2277.</del>	<del>10.6</del>	<del>1797.6</del>	<del>1797.6</del>	<del>0</del>	
<del>.210</del>	<del>240.</del>	<del>1954.</del>	<del>12.3</del>	<del>1797.3</del>	<del>1797.3</del>	<del>0</del>	
<del>.210</del>	<del>240.</del>	<del>2142.</del>	<del>11.5</del>	<del>1798.1</del>	<del>1798.1</del>	<del>0</del>	
<del>.210</del>	<del>240.</del>	<del>2567.</del>	<del>9.1</del>	<del>1798.9</del>	<del>1798.9</del>	<del>0</del>	
<del>.210</del>	<del>240. ✓</del>	<del>2582.</del>	<del>9.3</del>	<del>1799.0</del>	<del>1799.0</del>	<del>0</del>	
<del>.500</del>	<del>210. ✓</del>	<del>2575.</del>	<del>9.1</del>	<del>1806.4</del>	<del>1806.3</del>	<del>.1</del>	
<del>.560</del>	<del>210.</del>	<del>2691.</del>	<del>8.3</del>	<del>1807.9</del>	<del>1807.8</del>	<del>.1</del>	
<del>.560</del>	<del>300. ✓</del>	<del>6461.</del>	<del>3.5</del>	<del>1839.2</del>	<del>1839.2</del>	<del>0</del>	
<del>.560</del>	<del>340.</del>	<del>6471.</del>	<del>3.5</del>	<del>1839.2</del>	<del>1839.2</del>	<del>0</del>	
<del>.500</del>	<del>300.</del>	<del>6481.</del>	<del>3.5</del>	<del>1839.3</del>	<del>1839.3</del>	<del>0</del>	
<del>1.200</del>	<del>310. ✓</del>	<del>5332.</del>	<del>11.5</del>	<del>1840.3</del>	<del>1840.3</del>	<del>0</del>	
A	2.050	155. ✓	2445.	0.4	1846.2	1846.0	.2
B	2.330	145. ✓	2795.	8.5	1849.3	1849.0	.3
C	2.600	250. ✓	3200.	7.1	1852.3	1851.8	.5
<del>3.060</del>	<del>250.</del>	<del>2492.</del>	<del>7.9</del>	<del>1858.7</del>	<del>1858.9</del>	<del>.2</del>	
<del>3.060</del>	<del>250.</del>	<del>2542.</del>	<del>8.2</del>	<del>1859.0</del>	<del>1859.2</del>	<del>.2</del>	
<del>3.060</del>	<del>250.</del>	<del>5274.</del>	<del>7.2</del>	<del>1860.6</del>	<del>1859.6</del>	<del>1.0</del>	
D	3.060	240. ✓	3201.	7.4	1860.5	1859.5	1.0
E	3.100	170. ✓	2616.	8.4	1861.0	1860.2	.8
F	3.300	160. ✓	2354.	10.0	1864.0	1863.2	.8
<del>3.450</del>	<del>210. ✓</del>	<del>2335.</del>	<del>10.1</del>	<del>1867.0</del>	<del>1866.5</del>	<del>.5</del>	
G	3.560	210. ✓	2465.	7.9	1870.0	1869.2	.8
H	3.600	140. ✓	2142.	11.0	1871.3	1870.3	1.0
I	3.830	180. ✓	2430.	8.3	1876.0	1875.6	.4
J	4.000	255. ✓	2129.	7.1	1878.7	1878.2	.5
K	4.060	140. ✓	1792.	13.0	1879.7	1879.3	.4
L	4.300	165. ✓	2523.	9.2	1889.5	1888.7	.8
M	4.680	155. ✓	2258.	10.3	1897.0	1896.4	.6
N	4.830	160. ✓	2514.	9.2	1900.8	1900.5	.3
O	5.120	160. ✓	3061.	5.8	1907.2	1907.0	.2
P	5.500	120. ✓	2181.	5.5	1913.3	1914.3	1.0
<del>5.520</del>	<del>300.</del>	<del>2171.</del>	<del>7.0</del>	<del>1915.6</del>	<del>1914.5</del>	<del>1.1</del>	
<del>5.590</del>	<del>300.</del>	<del>2184.</del>	<del>6.8</del>	<del>1915.5</del>	<del>1914.4</del>	<del>1.1</del>	
<del>5.590</del>	<del>300.</del>	<del>2274.</del>	<del>7.5</del>	<del>1916.4</del>	<del>1915.6</del>	<del>.8</del>	
<del>5.590</del>	<del>300.</del>	<del>2425.</del>	<del>7.1</del>	<del>1917.5</del>	<del>1915.9</del>	<del>.6</del>	
<del>5.590</del>	<del>300.</del>	<del>270.</del>	<del>6.3</del>	<del>1917.3</del>	<del>1917.4</del>	<del>0</del>	
Q	5.600	240. ✓	2062.	7.0	1920.0	1919.1	.9
R	5.070	125. ✓	1724.	4.9	1923.4	1923.4	0
S	6.360	140. ✓	1460.	9.2	1930.9	1930.2	.7
T	6.430	175. ✓	2015.	8.5	1932.5	1931.5	1.0
V	6.600	135. ✓	1580.	10.7	1937.5	1937.2	.3

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LOADWAY DATA, OCUMALUEFE RIVER  
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
V 6.710	155. ✓	1644.	10.3	1939.8	1939.8	.0
<del>6.760</del>	<del>170. ✓</del>	<del>2205.</del>	<del>7.7</del>	<del>1941.6</del>	<del>1941.6</del>	<del>.0</del>
<del>6.750</del>	<del>170.</del>	<del>2072.</del>	<del>8.2</del>	<del>1941.7</del>	<del>1941.7</del>	<del>.0</del>
<del>6.760</del>	<del>170.</del>	<del>1934.</del>	<del>8.0</del>	<del>1941.6</del>	<del>1941.6</del>	<del>.0</del>
<del>6.760</del>	<del>170.</del>	<del>1971.</del>	<del>8.6</del>	<del>1941.9</del>	<del>1941.9</del>	<del>.0</del>
<del>6.750</del>	<del>170. ✓</del>	<del>2148.</del>	<del>7.0</del>	<del>1942.1</del>	<del>1942.1</del>	<del>.0</del>
W 6.760	180. ✓	1700.	10.0	1942.0	1942.0	.0
X 6.780	140. ✓	1757.	0.7	1942.4	1942.4	.0
Y 6.670	455. ✓	4614.	3.3	1946.1	1945.8	.3
<del>7.150</del>	<del>170. ✓</del>	<del>1765.</del>	<del>0.6</del>	<del>1948.5</del>	<del>1948.0</del>	<del>.5</del>
<del>7.200</del>	<del>170. ✓</del>	<del>1787.</del>	<del>0.4</del>	<del>1948.5</del>	<del>1948.3</del>	<del>.2</del>
Z 7.200	220. ✓	2424.	6.0	1951.4	1951.1	.3
<del>7.300</del>	<del>190. ✓</del>	<del>1705.</del>	<del>0.6</del>	<del>1952.6</del>	<del>1952.7</del>	<del>.1</del>
<del>7.350</del>	<del>190. ✓</del>	<del>1730.</del>	<del>0.4</del>	<del>1953.2</del>	<del>1952.9</del>	<del>.3</del>
<del>7.380</del>	<del>190.</del>	<del>1515.</del>	<del>11.1</del>	<del>1952.9</del>	<del>1952.7</del>	<del>.2</del>
<del>7.380</del>	<del>190.</del>	<del>1510.</del>	<del>11.1</del>	<del>1953.6</del>	<del>1953.4</del>	<del>.2</del>
<del>7.550</del>	<del>170.</del>	<del>2055.</del>	<del>8.2</del>	<del>1954.6</del>	<del>1953.8</del>	<del>.8</del>
AA 7.380	190. ✓	2061.	8.2	1954.6	1953.8	.8
<del>7.550</del>	<del>210. ✓</del>	<del>2120.</del>	<del>7.2</del>	<del>1957.0</del>	<del>1956.7</del>	<del>.3</del>
BB 7.520	180. ✓	1801.	0.3	1957.9	1957.3	.6
<del>7.710</del>	<del>180. ✓</del>	<del>1947.</del>	<del>0.0</del>	<del>1959.7</del>	<del>1959.3</del>	<del>.4</del>
<del>7.710</del>	<del>180.</del>	<del>1103.</del>	<del>14.0</del>	<del>1959.1</del>	<del>1958.9</del>	<del>.2</del>
CC 7.710	180.	1739.	0.3	1961.1	1960.8	.3
DD 7.200	160.	1623.	10.3	1964.6	1964.3	.3
EE 7.450	200. ✓	1766.	0.5	1966.3	1966.0	.3
FF 8.100	240. ✓	2331.	7.2	1970.3	1970.0	.3
GG 8.100	240.	2274.	7.3	1970.6	1970.6	.0
<del>8.270</del>	<del>240. ✓</del>	<del>1630.</del>	<del>10.2</del>	<del>1972.5</del>	<del>1972.2</del>	<del>.3</del>
H 8.400	375. ✓	2624.	6.3	1977.0	1976.4	.6
II 8.630	300. ✓	3401.	0.2	1981.2	1980.2	1.0
<del>8.720</del>	<del>250. ✓</del>	<del>1530.</del>	<del>10.1</del>	<del>1983.1</del>	<del>1982.3</del>	<del>.8</del>
<del>8.780</del>	<del>250.</del>	<del>1604.</del>	<del>0.7</del>	<del>1983.4</del>	<del>1982.6</del>	<del>.8</del>
<del>8.780</del>	<del>250.</del>	<del>1220.</del>	<del>13.5</del>	<del>1982.7</del>	<del>1982.1</del>	<del>.6</del>
<del>8.780</del>	<del>250.</del>	<del>1370.</del>	<del>12.1</del>	<del>1982.6</del>	<del>1984.0</del>	<del>1.4</del>
<del>8.780</del>	<del>250.</del>	<del>2000.</del>	<del>6.7</del>	<del>1986.5</del>	<del>1985.9</del>	<del>.6</del>
JJ 8.780	250. ✓	2401.	6.6	1986.6	1985.4	1.2
KK 8.850	200.	2454.	6.7	1987.3	1986.8	.5
LL 8.900	155.	2000.	0.1	1988.0	1987.5	.5
MM 9.170	250. ✓	2330.	7.1	1990.0	1989.8	.2
<del>9.170</del>	<del>250. ✓</del>	<del>1427.</del>	<del>1.6</del>	<del>1997.3</del>	<del>1991.5</del>	<del>5.8</del>
<del>9.160</del>	<del>250.</del>	<del>1904.</del>	<del>8.2</del>	<del>1992.5</del>	<del>1991.5</del>	<del>1.0</del>
<del>9.160</del>	<del>250.</del>	<del>1454.</del>	<del>11.3</del>	<del>1992.3</del>	<del>1991.0</del>	<del>1.3</del>

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FLOODWAY DATA, DONALDHEE RIVER  
 PROFILE NO. 2

----- FLOODWAY ----- WATER SURFACE ELEVATION  
 STATION WIDTH SECTION BEAM WITH WITHOUT DIFFERENCE  
 AREA VELOCITY FLOODWAY FLOODWAY

<del>9.160</del>	<del>250.</del>	<del>1460.</del>	<del>11.2</del>	<del>1992.9</del>	<del>1992.2</del>	<del>.7</del>
<del>9.160</del>	<del>250.</del>	<del>2345.</del>	<del>7.0</del>	<del>1993.9</del>	<del>1993.3</del>	<del>.6</del>
NN 9.160	250. ✓	2354.	7.0	1994.0	1993.3	.7
OO 9.460	169. ✓	2086.	7.9	1999.9	1999.2	.7
PP 9.620	255. ✓	2324.	7.1	2004.2	2003.7	.5
QQ 9.660	820. ✓	3079.	5.3	2005.4	2004.3	1.1
<del>9.800</del>	<del>330.</del>	<del>2058.</del>	<del>8.0</del>	<del>2007.5</del>	<del>2007.0</del>	<del>.5</del>
<del>9.800</del>	<del>330.</del>	<del>2070.</del>	<del>7.9</del>	<del>2007.7</del>	<del>2007.1</del>	<del>.6</del>
<del>9.800</del>	<del>330.</del>	<del>1814.</del>	<del>9.0</del>	<del>2007.5</del>	<del>2006.8</del>	<del>.7</del>
<del>9.800</del>	<del>330.</del>	<del>1465.</del>	<del>8.3</del>	<del>2008.0</del>	<del>2007.6</del>	<del>.4</del>
<del>9.800</del>	<del>330.</del>	<del>2350.</del>	<del>6.9</del>	<del>2008.7</del>	<del>2008.4</del>	<del>.3</del>
<del>9.800</del>	<del>330. ✓</del>	<del>2490.</del>	<del>6.6</del>	<del>2008.8</del>	<del>2008.8</del>	<del>.0</del>
<del>9.900</del>	<del>300. ✓</del>	<del>2451.</del>	<del>7.0</del>	<del>2014.3</del>	<del>2013.9</del>	<del>.4</del>
<del>10.240</del>	<del>500. ✓</del>	<del>3000.</del>	<del>4.2</del>	<del>2021.2</del>	<del>2020.4</del>	<del>.8</del>
<del>10.350</del>	<del>360. ✓</del>	<del>2150.</del>	<del>3.1</del>	<del>2023.3</del>	<del>2022.3</del>	<del>1.0</del>
<del>10.630</del>	<del>140. ✓</del>	<del>653.</del>	<del>10.0</del>	<del>2032.1</del>	<del>2031.8</del>	<del>.3</del>
<del>10.600</del>	<del>220. ✓</del>	<del>1092.</del>	<del>4.8</del>	<del>2034.0</del>	<del>2034.5</del>	<del>.1</del>
<del>10.600</del>	<del>220. ✓</del>	<del>1577.</del>	<del>4.1</del>	<del>2035.1</del>	<del>2034.5</del>	<del>.6</del>
<del>10.600</del>	<del>220. ✓</del>	<del>1403.</del>	<del>4.6</del>	<del>2035.0</del>	<del>2034.5</del>	<del>.5</del>
<del>10.600</del>	<del>220. ✓</del>	<del>1416.</del>	<del>4.6</del>	<del>2035.1</del>	<del>2034.6</del>	<del>.5</del>
<del>10.600</del>	<del>220. ✓</del>	<del>1600.</del>	<del>4.1</del>	<del>2035.2</del>	<del>2034.7</del>	<del>.5</del>
<del>10.600</del>	<del>220. ✓</del>	<del>1612.</del>	<del>4.0</del>	<del>2035.2</del>	<del>2034.9</del>	<del>.3</del>
<del>10.800</del>	<del>140. ✓</del>	<del>645.</del>	<del>9.1</del>	<del>2043.5</del>	<del>2042.9</del>	<del>.6</del>
<del>11.300</del>	<del>74. ✓</del>	<del>70.</del>	<del>8.8</del>	<del>2056.5</del>	<del>2055.9</del>	<del>.6</del>