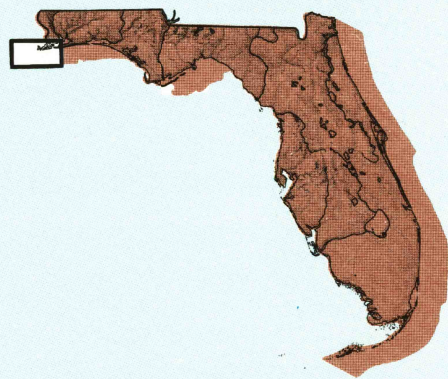


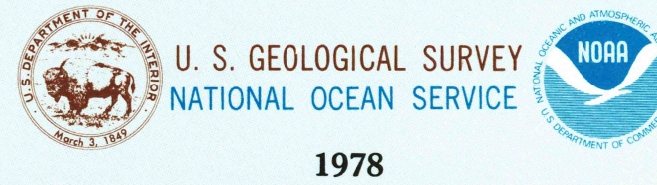
Pensacola
FLORIDA - ALABAMA

1:100 000-scale metric
topographic-bathymetric map



30 X 60 MINUTE QUADRANGLE
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names
- Bathymetric contours in meters



1978

Produced by the United States Geological Survey
and National Ocean Service

Compiled from USGS 1:24 000- and 1:62 500-scale topographic maps dated 1943-1970. Bathymetry derived from aerial photography taken 1970 and other source data. Revised information not field checked. Map edited 1978. Bathymetry added 1986.

Bathymetry compiled by the National Ocean Service from tide-continued hydrographic surveys. This information is not intended for navigational purposes.

Mean low water (dotted line) and mean high water (heavy solid line) compiled by NGS from tide-continued aerial photography. Apparent shoreline (outer edge of vegetation) shown by light solid line. Projected to 10 000-meter grid, zone 16 Universal Transverse Mercator 25 000-foot grid ticks based on Alabama coordinate system, zone 16, and Florida coordinate system, north zone.

To place on the projected North American Datum 1983 move the projection lines 18 meters south and 1 meter west.

Oblique projection survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protection Diagrams dated April 15, 1983 and June 2, 1985. The projections on this map are not for Federal leasing purposes; for such purposes, refer to the 1:250 000-scale OCS Official Protection Diagrams available from the Minerals Management Service.

There may be private landholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 5 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVAL 2 METERS WITH SUPPLEMENTARY 1-METER CONTOURS DOWN TO MEAN LOWER LOW WATER.
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE.

BASE MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS. BATHYMETRIC SURVEY DATA COMPLES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEY.

Meters	Feet	DECLINATION DIAGRAM		1	2	3
1	3.2808		UTM grid convergence (UTM grid converges 1 meter per 100 000 meters declination (MM) at center of map. Diagram is approximate.			
2	6.5617					
3	9.8425					
4	13.1234					
5	16.4042					
6	19.6850					
7	22.9659					
8	26.2467					
9	29.5276					
10	32.8084					
To convert meters to feet multiply by 3.2808				1. Mobile 2. Bay Minette 3. Crestview 4. Biloxi 5. Fort Walton Beach 6. North Islands 7. 8.		
To convert feet to meters multiply by 0.3048						

FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

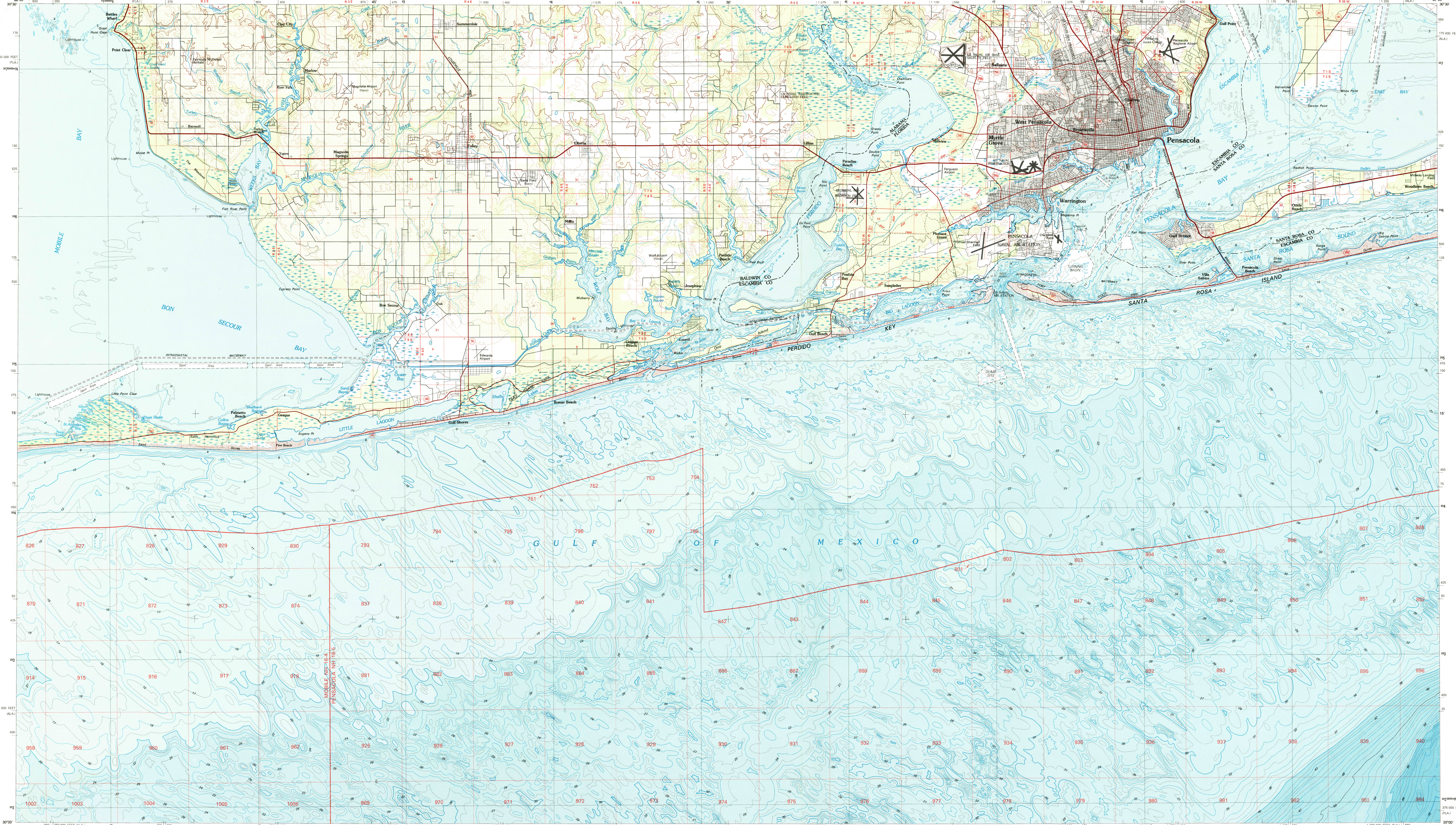
Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, gravel-surfaced, hard or improved surface	
Other road or street, dirt	
Route marker: Interstate, U. S. State	
Railroad: standard gauge, narrow gauge	
Bridge: overpass, underpass	
Tunnel: road, railroad	
Build up area, locality, elevation	
Airport: landing field, landing strip	
National boundary	
State boundary	
County boundary	
National or State reservation boundary	
Land grant boundary	
Range, township, section line: protected	
Power transmission line: pipeline	
Dam, dam with lock	
Cemetery, building	
Windmill, water well, spring	
Mine shaft, adit or cave, mine, quarry, gravel pit	
Campground, picnic area, U. S. location monument	
Rocks, cliff, dwelling	
Dissected surface, steep rim, low, sand	
Contours: index, intermediate, supplementary	
Bathymetric contours: index, intermediate	
Stream, lake, perennial, intermittent	
Rapids, large and small, falls, large and small	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Scrub, mangrove	
Drifted; viewer	

A pamphlet describing topographic maps is available on request.

PENSACOLA, FLORIDA-ALABAMA

30 X 60 MINUTE SERIES (TOPOGRAPHIC-BATHYMETRIC)



U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
KILOMETERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
MILES 1 2 3 4 5 6 7 8 9 10 11 12 13

SCALE 1:100 000
1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
CONTOUR INTERVAL 5 METERS

PENSACOLA, FLORIDA-ALABAMA
30087-AI-TB-100
1978

HYDROGRAPHIC SURVEY INFORMATION							
SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-2017	1890	1:80,000	60-2.4	H-6554	1980	1:80,000	01-40
H-2018	1891	1:80,000	70-1.9	H-6555	1981	1:80,000	02-10
H-2019	1892	1:80,000	10-66	H-6556	1982	1:80,000	03-10
H-2020	1893	1:80,000	20-33	H-6557	1983	1:80,000	04-10
H-2021	1894	1:80,000	30-22	H-6558	1984	1:80,000	05-10
H-2022	1895	1:80,000	40-16	H-6559	1985	1:80,000	06-10
H-2023	1896	1:80,000	50-12	H-6560	1986	1:80,000	07-10
H-2024	1897	1:80,000	60-9	H-6561	1987	1:80,000	08-10
H-2025	1898	1:80,000	70-7	H-6562	1988	1:80,000	09-10
H-2026	1899	1:80,000	80-5	H-6563	1989	1:80,000	10-10
H-2027	1900	1:80,000	90-4	H-6564	1990	1:80,000	11-10
H-2028	1901	1:80,000	100-3	H-6565	1991	1:80,000	12-10
H-2029	1902	1:80,000	110-2	H-6566	1992	1:80,000	13-10
H-2030	1903	1:80,000	120-2	H-6567	1993	1:80,000	14-10
H-2031	1904	1:80,000	130-2	H-6568	1994	1:80,000	15-10
H-2032	1905	1:80,000	140-2	H-6569	1995	1:80,000	16-10
H-2033	1906	1:80,000	150-2	H-6570	1996	1:80,000	17-10
H-2034	1907	1:80,000	160-2	H-6571	1997	1:80,000	18-10
H-2035	1908	1:80,000	170-2	H-6572	1998	1:80,000	19-10
H-2036	1909	1:80,000	180-2	H-6573	1999	1:80,000	20-10
H-2037	1910	1:80,000	190-2	H-6574	2000	1:80,000	21-10
H-2038	1911	1:80,000	200-2	H-6575	2001	1:80,000	22-10
H-2039	1912	1:80,000	210-2	H-6576	2002	1:80,000	23-10
H-2040	1913	1:80,000	220-2	H-6577	2003	1:80,000	24-10
H-2041	1914	1:80,000	230-2	H-6578	2004	1:80,000	25-10
H-2042	1915	1:80,000	240-2	H-6579	2005	1:80,000	26-10
H-2043	1916	1:80,000	250-2	H-6580	2006	1:80,000	27-10
H-2044	1917	1:80,000	260-2	H-6581	2007	1:80,000	28-10
H-2045	1918	1:80,000	270-2	H-6582	2008	1:80,000	29-10
H-2046	1919	1:80,000	280-2	H-6583	2009	1:80,000	30-10
H-2047	1920	1:80,000	290-2	H-6584	2010	1:80,000	31-10
H-2048	1921	1:80,000	300-2	H-6585	2011	1:80,000	32-10
H-2049	1922	1:80,000	310-2				
H-2050	1923	1:80,000	320-2				
H-2051	1924	1:80,000	330-2				
H-2052	1925	1:80,000	340-2				
H-2053	1926	1:80,000	350-2				
H-2054	1927	1:80,000	360-2				
H-2055	1928	1:80,000	370-2				
H-2056	1929	1:80,000	380-2				
H-2057	1930	1:80,000	390-2				
H-2058	1931	1:80,000	400-2				
H-2059	1932	1:80,000	410-2				
H-2060	1933	1:80,000	420-2				
H-2061	1934	1:80,000	430-2				
H-2062	1935	1:80,000	440-2				
H-2063	1936	1:80,000	450-2				
H-2064	1937	1:80,000	460-2				
H-2065	1938	1:80,000	470-2				
H-2066	1939	1:80,000	480-2				
H-2067	1940	1:80,000	490-2				
H-2068	1941	1:80,000	500-2				
H-2069	1942	1:80,000	510-2				
H-2070	1943	1:80,000	520-2				
H-2071	1944	1:80,000	530-2				
H-2072	1945	1:80,000	540-2				
H-2073	1946	1:80,000	550-2				
H-2074	1947	1:80,000	560-2				
H-2075	1948	1:80,000	570-2				
H-2076	1949	1:80,000	580-2				
H-2077	1950	1:80,000	590-2				
H-2078	1951	1:80,000	600-2				
H-2079	1952	1:80,000	610-2				
H-2080	1953	1:80,000	620-2				
H-2081	1954	1:80,000	630-2				
H-2082	1955	1:80,000	640-2				
H-2083	1956	1:80,000	650-2				
H-2084	1957	1:80,000	660-2				
H-2085	1958	1:80,000	670-2				
H-2086	1959	1:80,000	680-2				
H-2087	1960	1:80,000	690-2				
H-2088	1961	1:80,000	700-2				
H-2089	1962	1:80,000	710-2				
H-2090	1963	1:80,000	720-2				
H-2091	1964	1:80,000	730-2				
H-2092	1965	1:80,000	740-2				
H-2093	1966	1:80,000	750-2				
H-2094	1967	1:80,000	760-2				
H-2095	1968	1:80,000	770-2				
H-2096	1969	1:80,000	780-2				
H-2097	1970	1:80,000	790-2				
H-2098	1971	1:80,000	800-2				
H-2099	1972	1:80,000	810-2				
H-2100	1973	1:80,000	820-2				
H-2101	1974	1:80,000	830-2				
H-2102	1975	1:80,000	840-2				
H-2103	1976	1:80,000	850-2				
H-2104	1977	1:80,000	860-2				
H-2105	1978	1:80,000	870-2				
H-2106	1979	1:80,000	880-2				
H-2107	1980	1:80,000	890-2				
H-2108	1981	1:80,000	900-2				
H-2109	1982	1:80,000	910-2				
H-2110	1983	1:80,000	920-2				
H-2111	1984	1:80,000	930-2				
H-2112	1985	1:80,000	940-2				
H-2113	1986	1:80,000	950-2				
H-2114	1987	1:80,000	960-2				
H-2115	1988	1:80,000	970-2				
H-2116	1989	1:80,000	980-2				
H-2117	1990	1:80,000	990-2				
H-2118	1991	1:80,000	1000-2				
H-2119	1992	1:80,000	1010-2				
H-2120	1993	1:80,000	1020-2				
H-2121	1994	1:80,000	1030-2				
H-2122	1995	1:80,000	1040-2				
H-2123	1996	1:80,000	1050-2				
H-2124	1997	1:80,000	1060-2				
H-2125	1998	1:80,000	1070-2				
H-2126	1999	1:80,000	1080-2				
H-2127	2000	1:80,000	1090-2				
H-2128	2001	1:80,000	1100-2				
H-2129	2002	1:80,000	1110-2				
H-2130	2003	1:80,000	1120-2				
H-2131	2004	1:80,000	1130-2				
H-2132	2005	1:80,000	1140-2				
H-2133	2006	1:80,000	1150-2				
H-2134	2007	1:80,000	1160-2				
H-2135	2008	1:80,000	1170-2				
H-2136	2009	1:80,000	1180-2				
H-2137	2010	1:80,000	1190-2				
H-2138	2011	1:80,000	1200-2				
H-2139	2012	1:80,000	1210-2				
H-2140	2013	1:80,000	1220-2				
H-2141	2014	1:80,000	1230-2				
H-2142	2015	1:80,000	1240-2				
H-2143	2016	1:80,000	1250-2				
H-2144	2017	1:80,000	1260-2				
H-2145	2018	1:80,000	1270-2				
H-2146	2019	1:80,000	1280-2				
H-2147	2020	1:80,000	1290-2				
H-2148	2021	1:80,000	1300-2				
H-2149	2022	1:80,000	1310-2				
H-2150	2023	1:80,000	1320-2				
H-2151	2024	1:80,000	1330-2				
H-2152	2025	1:80,000	1340-2				
H-2153	2026	1:80,000	1350-2				
H-2154	2027	1:80,000	1360-2				
H-2155	2028	1:80,000	1370-2				
H-2156	2029	1:80,000	1380-2				
H-2157	2030	1:80,000	1390-2				
H-2158	2031	1:80,000	1400-2				
H-2159	2032	1:80,000	1410-2				
H-2160	2033	1:80,000	1420-2				
H-2161	2034	1:80,000	1430-2				
H-2162	2035	1:80,000	1440-2				
H-2163	2036	1:80,000	1450-2				
H-2164	2037	1:80,000	1460-2				
H-2165	2038	1:80,000	1470-2				
H-2166	2039	1:80,000	1480-2				
H-2167	2040	1:80,000	1490-2				
H-2168	2041	1:80,000	1500-2				
H-2169	2042	1:80,000	1510-2				
H-2170	2043	1:80,000	1520-2				
H-2171	2044	1:80,000	1530-2				
H-2172	2045	1:80,000	1540-2				
H-2173	2046	1:80,000	1550-2				
H-2174	2047	1:80,000	1560-2				
H-2175	2048	1:80,000	1570-2				
H-2176	2049	1:80,000	1580-2				
H-2177	2050	1:80,000	1590-2				
H-2178	2051	1:80,000	1600-2				
H-2179	2052	1:80,000	1610-2				
H-2180	2053	1:80,000	1620-2				
H-2181	2054	1:80,000	1630-2				
H-2182	2055	1:80,000	1640-2				
H-2183	2056	1:80,000	1650-2				
H-2184	2057	1:80,000	1660-2				
H-2185	2058	1:80,000	1670-2				
H-2186	2059	1:80,000	1680-2				
H-2187	2060	1:80,000	1690-2				
H-2188	2061	1:80,000	1700-2				
H-2189	2062	1:80,000	1710-2				
H-2190	2063	1:80,000	1720-2				
H-2191	2064	1:80,000	1730-2				
H-2192	2065	1:80,000	1740-2				
H-2193	2066	1:80,000	1750-2				
H-2194	2067	1:80,000	1760-2				
H-2195	2068	1:80,000	1770-2				
H-2196	2069	1:80,000	1780-2				
H-2197	2070	1:80,000	1790-2				
H-2198	207						