

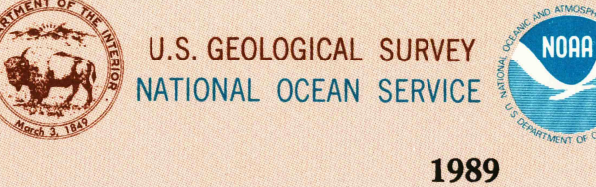
Washington

D. C.—MARYLAND—VIRGINIA

1:250 000-scale metric
topographic-bathymetric map



- 1 X 2 DEGREE QUADRANGLE
SHOWING
- Contours and elevations in meters
 - Highways, roads and other manmade structures
 - Water features
 - Woodland areas
 - Geographic names
 - Bathymetric contours in meters



Produced by the United States Geological Survey
and the National Ocean Service
Compiled from USGS 1:100 000-scale maps dated 1983 and 1986
Supersedes map dated 1957. Map edited 1989

Bathymetry compiled by the National Ocean Service from
tide-contoured hydrographic surveys. This information is not
intended for navigational purposes
Mean lower low water (dotted) line and mean high water (heavy solid) line
compiled by NOS from tide-contoured aerial photographs. Apparent
shoreline (outer edge of vegetation) shown by light solid line
Projection and 100 000-meter grid, zone 18: Universal Transverse Mercator
100 000-foot grid ticks based on Virginia coordinate system
north and south zones, and Maryland coordinate system
1927 North American Datum
To place on the predicted North American Datum 1983, move the projection
lines 9 meters south and 26 meters west
There may be private inholdings within the boundaries of the National
or State reservations shown on this map

1988 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 9° (10 MILS)
WESTERLY FOR THE CENTER OF THE WEST EDGE TO 10° (10 MILS) WESTERLY FOR
THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 6.7 WESTERLY

CONTOUR INTERVAL 20 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVAL 2 METERS
DATUM IS 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 14 ACCURACY STANDARDS AND/OR STANDARDS
USED AS OF THE DATE OF THE SURVEYS

CONVERSION TABLE			
Meters	Feet	Feet	Meters
1	3.2808	1	0.3048
2	6.5617	2	0.6096
3	9.8425	3	0.9144
4	13.1234	4	1.2192
5	16.4042	5	1.5240
6	19.6850	6	1.8288
7	22.9659	7	2.1336
8	26.2467	8	2.4384
9	29.5276	9	2.7432
10	32.8084	10	3.0480

To convert meters to feet
multiply by 3.2808
To convert feet to meters
multiply by 0.3048

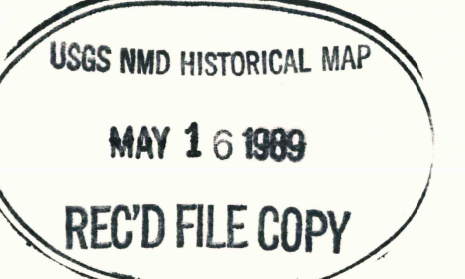
ADJOINING MAPS		
1	2	3
4	5	
6	7	8

1 Cumberland
2 Baltimore
3 Wilmington
4 Charlottesville
5 Salisbury
6 Boonville
7 Richmond
8 Chincoteague

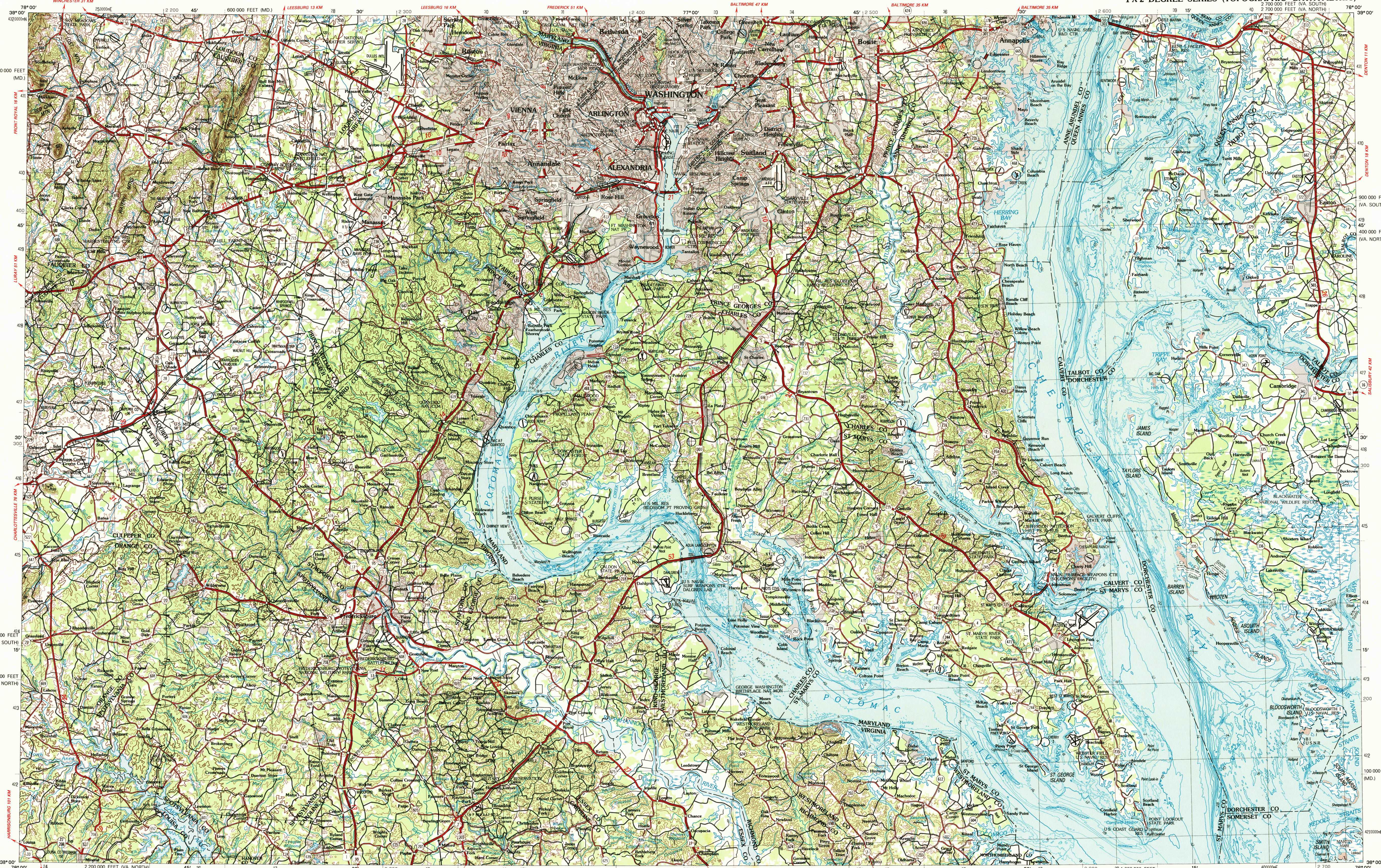
FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

Topographic Map Symbols

- Dual highway, interchange
Primary highway, hard surface
Secondary highway, hard surface
Light duty road, hard or improved surface
Other road, trail
Route marker: Interstate, U. S., State
Bridge, overpass, underpass
Tunnel, road, railroad
Railroad, standard gauge, single, multiple track
Railroad, narrow gauge, single, multiple track
Built-up area, locality, elevation
Airport, runway pattern known, unknown
National boundary
State boundary
County boundary
National or State reservation boundary
Land grant boundary
U. S. public lands survey: range, township (surveyed)
U. S. public lands survey: range, township (protected)
Powerline, pipeline, aboveground, underground
Dam, landmark feature, landmark building
Well, water, other, spring, tank
Cave, mine, quarry, oil platform
Landmark area, landmark structure
Distorted surface: ship mine, lava, sand
Contours: index, intermediate, supplementary
Bathymetric contours: index, primary
Bathymetric contours: intermediate, supplementary
Stream, lake, perennial, intermittent
Rapids, large and small, falls, large and small
Land subject to controlled inundation, marsh, swamp
Woodland, orchard, vineyard
Nagative
- A pamphlet describing topographic maps is available on request
Figures in red denote approximate distances in kilometers between markers



WASHINGTON, D. C.—MD.—VA.



WASHINGTON, D. C.—MD.—VA.
38076-A1-TB-250
1989

HYDROGRAPHIC SURVEY INFORMATION											
SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Feet, Meters)	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Feet, Meters)	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (Feet, Meters)
H-812	1860	1:10,000	03-23	H-6885	1944	1:10,000	01-06	H-8486	1959	1:20,000	03-10
H-813	1860	1:10,000	03-24	H-6898	1945	1:10,000	01-06	H-8522	1960	1:20,000	03-09
H-814	1860	1:10,000	03-25	H-6902	1945	1:10,000	01-06	H-8523	1960	1:20,000	03-09
H-815	1860	1:10,000	03-26	H-6903	1945	1:10,000	01-06	H-8524	1960	1:20,000	03-09
H-816	1860	1:10,000	03-27	H-7003	1944	1:10,000	01-06	H-8549	1960	1:20,000	03-09
H-817	1860	1:10,000	03-28	H-7004	1944	1:10,000	01-06	H-8550	1960	1:20,000	03-09
H-818	1860	1:10,000	03-29	H-7010	1944	1:10,000	03-06	H-8551	1960	1:20,000	03-09
H-819	1860	1:10,000	03-30	H-7011	1944	1:10,000	03-06	H-8552	1960	1:20,000	03-09
H-820	1860	1:10,000	03-31	H-7027	1946	1:10,000	07-07	H-8553	1960	1:20,000	03-09
H-821	1860	1:10,000	03-32	H-7042	1946	1:10,000	07-07	H-8554	1960	1:20,000	03-09
H-822	1860	1:10,000	03-33	H-7047	1945	1:10,000	03-09	H-8555	1960	1:20,000	03-09
H-823	1860	1:10,000	03-34	H-7048	1945	1:10,000	03-09	H-8556	1960	1:20,000	03-09
H-824	1860	1:10,000	03-35	H-7055	1945	1:10,000	03-09	H-8557	1960	1:20,000	03-09
H-825	1860	1:10,000	03-36	H-7056	1945	1:10,000	03-09	H-8558	1960	1:20,000	03-09
H-826	1860	1:10,000	03-37	H-7057	1945	1:10,000	03-09	H-8559	1960	1:20,000	03-09
H-827	1860	1:10,000	03-38	H-7058	1945	1:10,000	03-09	H-8560	1960	1:20,000	03-09
H-828	1860	1:10,000	03-39	H-7059	1945	1:10,000	03-09	H-8561	1960	1:20,000	03-09
H-829	1860	1:10,000	03-40	H-7060	1945	1:10,000	03-09	H-8562	1960	1:20,000	03-09
H-830	1860	1:10,000	03-41	H-7061	1946	1:10,000	03-09	H-8563	1960	1:20,000	03-09
H-831	1860	1:10,000	03-42	H-7062	1946	1:10,000	03-09	H-8564	1960	1:20,000	03-09
H-832	1860	1:10,000	03-43	H-7063	1946	1:10,000	03-09	H-8565	1960	1:20,000	03-09
H-833	1860	1:10,000	03-44	H-7064	1946	1:10,000	03-09	H-8566	1960	1:20,000	03-09
H-834	1860	1:10,000	03-45	H-7065	1946	1:10,000	03-09	H-8567	1960	1:20,000	03-09
H-835	1860	1:10,000	03-46	H-7066	1946	1:10,000	03-09	H-8568	1960	1:20,000	03-09
H-836	1860	1:10,000	03-47	H-7067	1946	1:10,000	03-09	H-8569	1960	1:20,000	03-09
H-837	1860	1:10,000	03-48	H-7068	1946	1:10,000	03-09	H-8570	1960	1:20,000	03-09
H-838	1860	1:10,000	03-49	H-7069	1946	1:10,000	03-09	H-8571	1960	1:20,000	03-09
H-839	1860	1:10,000	03-50	H-7070	1946	1:10,000	03-09	H-8572	1960	1:20,000	03-09
H-840	1860	1:10,000	03-51	H-7071	1946	1:10,000	03-09	H-8573	1960	1:20,000	03-09
H-841	1860	1:10,000	03-52	H-7072	1946	1:10,000	03-09	H-8574	1960	1:20,000	03-09
H-842	1860	1:10,000	03-53	H-7073	1946	1:10,000	03-09	H-8575	1960	1:20,000	03-09
H-843	1860	1:10,000	03-54	H-7074	1946	1:10,000	03-09	H-8576	1960	1:20,000	03-09
H-844	1860	1:10,000	03-55	H-7075	1946	1:10,000	03-09	H-8577	1960	1:20,000	03-09
H-845	1860	1:10,000	03-56	H-7076	1946	1:10,000	03-09	H-8578	1960	1:20,000	03-09
H-846	1860	1:10,000	03-57	H-7077	1946	1:10,000	03-09	H-8579	1960	1:20,000	03-09
H-847	1860	1:10,000	03-58	H-7078	1946	1:10,000	03-09	H-8580	1960	1:20,000	03-09
H-848	1860	1:10,000	03-59	H-7079	1946	1:10,000	03-09	H-8581	1960	1:20,000	03-09
H-849	1860	1:10,000	03-60	H-7080	1946	1:10,000	03-09	H-8582	1960	1:20,000	03-09
H-850	1860	1:10,000	03-61	H-7081	1946	1:10,000	03-09	H-8583	1960	1:20,000	03-09
H-851	1860	1:10,000	03-62	H-7082	1946	1:10,000	03-09	H-8584	1960	1:20,000	03-09
H-852	1860	1:10,000	03-63	H-7083	1946	1:10,000	03-09	H-8585	1960	1:20,000	03-09
H-853	1860	1:10,000	03-64	H-7084	1946	1:10,000	03-09	H-8586	1960	1:20,000	03-09
H-854	1860	1:10,000	03-65	H-7085	1946	1:10,000	03-09	H-8587	1960	1:20,000	03-09
H-855	1860	1:10,000	03-66	H-7086	1946	1:10,000	03-09	H-8588	1960	1:20,000	03-09
H-856	1860	1:10,000	03-67	H-7087	1946	1:10,000	03-09	H-8589	1960	1:20,000	03-09
H-857	1860	1:10,000	03-68	H-7088	1946	1:10,000	03-09	H-8590	1960	1:20,000	03-09
H-858	1860	1:10,000	03-69	H-7089	1946	1:10,000	03-09	H-8591	1960	1:20,000	03-09
H-859	1860	1:10,000	03-70	H-7090	1946	1:10,000	03-09	H-8592	1960	1:20,000	03-09
H-860	1860	1:10,000	03-71	H-7091	1946	1:10,000	03-09	H-8593	1960	1:20,000	03-09
H-861	1860	1:10,000	03-72	H-7092	1946	1:10,000	03-09	H-8594	1960	1:20,000	03-09
H-862	1860	1:10,000	03-73	H-7093	1946	1:10,000	03-09	H-8595	1960	1:20,000	03-09
H-863	1860	1:10,000	03-74	H-7094	1946	1:10,000	03-09	H-8596	1960	1:20,000	03-09
H-864	1860	1:10,000	03-75	H-7095	1946	1:10,000	03-09	H-8597	1960	1:20,000	03-09
H-865	1860	1:10,000	03-76	H-7096	1946	1:10,000	03-09	H-8598	1960	1:20,000	03-09
H-866	1860	1:10,000	03-77	H-7097	1946	1:10,000	03-09	H-8599	1960	1:20,000	03-09
H-867	1860	1:10,000	03-78	H-7098	1946	1:10,000	03-09	H-8600	1960	1:20,000	03-09
H-868	1860	1:10,000	03-79	H-7099	1946	1:10,000	03-09	H-8601	1960	1:20,000	03-09
H-869	1860	1:10,000	03-80	H-7100	1946	1:10,000	03-09	H-8602	1960	1:20,000	03-09
H-870	1860	1:10,000	03-81	H-7101	1946	1:10,000	03-09	H-8603	1960	1:20,000	03-09
H-871	1860	1:10,000	03-82	H-7102	1946	1:10,000	03-09	H-8604	1960	1:20,000	03-09
H-872	1860	1:10,000	03-83	H-7103	1946	1:10,000	03-09	H-8605	1960	1:20,000	03-09
H-873	1860	1:10,000	03-84	H-7104	1946	1:10,000	03-09	H-8606	1960	1:20,000	03-09
H-874	1860	1:10,000	03-85	H-7105	1946	1:10,000	03-09	H-8607	1960	1:20,000	03-09
H-875	1860	1:10,000	03-86	H-7106	1946	1:10,000	03-09	H-8608	1960	1:20,000	03-09
H-876	1860	1:10,000	03-87	H-7107	1946	1:10,000	03-09	H-8609	1960	1:20,000	03-09
H-877	1860	1:10,000	03-88	H-7108	1946	1:10,000	03-09	H-8610	1960	1:20,000	03-09
H-878	1860	1:10,000	03-89	H-7109	1946	1:10,000	03-09	H-8611	1960	1:20,000	03-09
H-879	1860	1:10,000	03-90	H-7110	1946	1:10,000	03-09	H-8612	1960	1:20,000	03-09
H-880	1860	1:10,000	03-91	H-7111	1946	1:10,000	03-09	H-8613	1960	1:20,000	03-09
H-881	1860	1:10,000	03-92	H-7112	1946	1:10,000	03-09	H-8614	1960	1:20,000	03-09
H-882	1860	1:10,000	03-93	H-7113	1946	1:10,000	03-09	H-8615	1960	1:20,000	03-09
H-883	1860	1:10,000	03-94	H-7114	1946	1:10,000	03-09	H-8616	1960	1:20,000	03-09
H-884	1860	1:10,000	03-95	H-7115	1946	1:10,000	03-09	H-8617	1960	1:20,000	03-09
H-885	1860	1:10,000	03-96	H-7116	1946	1:10,000	03-09	H-8618	1960	1:20,000	03-09
H-886	1860	1:10,000	03-97	H-7117	1946	1:10,000	03-09	H-8619	1960	1:20,000	03-09
H-887	1860	1:10,000	03-98	H-7118	1946	1:10,000	03-09	H-8620	1960	1:20,000	03-09
H-888	1860	1:10,000	03-99	H-7119	1946	1:10,000	03-09	H-8621	1960	1:20,000	03-09
H-889	1860	1:10,000	03-00	H-7120	1946	1:10,000	03-09	H-8622	1960	1:20,000	03-09
H-890	1860	1:10,000	03-01	H-7121	1946	1:10,000	03-09	H-8623	1960	1:20,000	03-09
H-891	1860	1:10,000	03-02	H-7122	1946	1:10,000	03-09	H-8624	1960	1:20,000	03-09
H-892	1860	1:10,000	03-03	H-7123	1946	1:10,000	03-09	H-8625	1960	1:20,000	03-09
H-893	1860	1:10,000	03-04	H-7124	1946	1:10,000	03-09	H-8626	1960	1:20,000	03-09
H-894	1860	1:10,000	03-05	H-7125	1946	1:10,000	03-09	H-8627	1960	1:20,000	03-09
H-895	1860	1:10,000	03-06	H-7126	1946	1:10,000	03-09	H-8628	1960	1:20,000	03-09
H-896	1860	1:10,000	03-07	H-7127	1946	1:10,000	03-09	H-8629	1960	1:20,000	03-09
H-897	1860	1:10,000	03-08	H-7128	1946	1:10,000	03-09	H-8630	1960	1:20,000	03-09
H-898	1860	1:10,000	03-09	H-7129	1946	1:10,000	03-09	H-8631	1960	1:20,000	03-09
H-899	1860	1:10,000	03-10	H-7130	1946	1:10,000	03-09	H-8632	1960	1:20,000	03-09
H-900	1860	1:10,000	03-11	H-7131	1946	1:10,000	03-09	H-8633	1960	1:20,000	03-09
H-901	1860	1:10,000	03-12	H-7132	1946	1:10,000	03-09	H-8634	1960	1:20,000	03-09
H-902	1860	1:10,000	03-13	H-7133	1946	1:10,000	03-09	H-8635	1960	1:20,000	03-09
H-903	1860	1:10,000	03-14	H-7134	1946	1:10,000	03-09	H-8636	1960	1:20,000	03-09
H-904	1860	1:10,000	03-15	H-7135	1946	1:10,000	03-09	H-8637	1960	1:20,000	03-09
H-905	1860	1:10,000	03-16	H-7136	1946	1:10,000	03-09	H-8638	1960	1:20,000	03-09
H-906	1860	1:10,000	03-17	H-7137	1946	1:10,000	03-09	H-8639	1		