



MAPPED, EDITED, AND PUBLISHED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY
Original topographic map prepared by the Defense Mapping Agency Topographic Center from 1:24,000, 1:25,000, and 1:50,000-scale maps dated 1932-1956, and from aerial photographs taken 1950-1955. Field checked 1959. Planimetry revised by USGS in 1975 from aerial photographs taken 1972.
Bathymetry and shoreline compiled by the National Ocean Survey. Bathymetry from hydrographic surveys (see index on this map), supplemented by other hydrographic sources. Shoreline (mean high water line) from National Ocean Survey nautical charts, which are compiled from tide-coordinated aerial photographs. This information is not intended for navigational purposes.
Area covered by dashed light-blue pattern is subject to controlled inundation.
100,000-foot grid based on California coordinate system, zones 5 and 7. Certain land grant names and boundaries are omitted to avoid congestion. Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram. Offshore protection survey data compiled by the Bureau of Land Management. Heavy red lines indicate limits of BLM Outer Continental Shelf Official Protection Diagrams. The protections on this map are not for Federal leasing purposes; for such purposes refer to the OCS Official Protection Diagram available from the Bureau of Land Management.

LEGEND

Figures in red denote approximate distances in miles between stars.

POPULATED PLACES

Over 500,000
100,000 to 500,000
25,000 to 100,000
5,000 to 25,000
1,000 to 5,000
Less than 1,000

RAILROADS

Single track double or multiple
Normal gauge
Narrow gauge
Interurban
State
County
Park or reservation

BOUNDARIES

International
State
County
Park or reservation

LANDPLANES

Landplane airport
Landing area
Dry lake
Marsh or swamp
Orchard
Woods/brushwood

ROADS

Primary, all-weather, hard surface
Secondary, all-weather, hard surface
Light-duty, all-weather, hard or improved surface
Fair or dry weather, unimproved surface
Trail

ROUTE MARKERS

Interstate, U.S., State

POWER LINES

Landmark: School; Church; Other
Spot elevation in feet
Marsh or swamp
Orchard
Woods/brushwood

SECTIONED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

TOWNSHIP OR RANGE LINE

LAND GRANT BOUNDARY

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 200 FEET

WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO THE 200 METER DEPTH, 50 METERS TO THE MAXIMUM DEPTH DATUM: MEAN LOWER LOW WATER

SHORELINE SHOWN REPRESENTS MEAN HIGH WATER

TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 11

MAGNETIC DECLINATION FOR 1975 IS 13° 17' 00" WEST OF THE TRUE

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

HYDROGRAPHIC SURVEY INFORMATION

Survey Number	Survey Date	Scale	Survey Number	Survey Date	Scale	Survey Number	Survey Date	Scale
H-5030	1930	1:80,000	H-5499	1933	1:100,000	H-5500	1933	1:100,000
H-5031	1930	1:80,000	H-5501	1933	1:100,000	H-5502	1933	1:100,000
H-5032	1930	1:80,000	H-5503	1933	1:100,000	H-5504	1933	1:100,000
H-5033	1930	1:80,000	H-5505	1933	1:100,000	H-5506	1933	1:100,000
H-5034	1930	1:80,000	H-5507	1933	1:100,000	H-5508	1933	1:100,000
H-5035	1930	1:80,000	H-5509	1933	1:100,000	H-5510	1933	1:100,000
H-5036	1930	1:80,000	H-5511	1933	1:100,000	H-5512	1933	1:100,000
H-5037	1930	1:80,000	H-5513	1933	1:100,000	H-5514	1933	1:100,000
H-5038	1930	1:80,000	H-5515	1933	1:100,000	H-5516	1933	1:100,000
H-5039	1930	1:80,000	H-5517	1933	1:100,000	H-5518	1933	1:100,000
H-5040	1930	1:80,000	H-5519	1933	1:100,000	H-5520	1933	1:100,000
H-5041	1930	1:80,000	H-5521	1933	1:100,000	H-5522	1933	1:100,000
H-5042	1930	1:80,000	H-5523	1933	1:100,000	H-5524	1933	1:100,000
H-5043	1930	1:80,000	H-5525	1933	1:100,000	H-5526	1933	1:100,000
H-5044	1930	1:80,000	H-5527	1933	1:100,000	H-5528	1933	1:100,000
H-5045	1930	1:80,000	H-5529	1933	1:100,000	H-5530	1933	1:100,000
H-5046	1930	1:80,000	H-5531	1933	1:100,000	H-5532	1933	1:100,000
H-5047	1930	1:80,000	H-5533	1933	1:100,000	H-5534	1933	1:100,000
H-5048	1930	1:80,000	H-5535	1933	1:100,000	H-5536	1933	1:100,000
H-5049	1930	1:80,000	H-5537	1933	1:100,000	H-5538	1933	1:100,000
H-5050	1930	1:80,000	H-5539	1933	1:100,000	H-5540	1933	1:100,000
H-5051	1930	1:80,000	H-5541	1933	1:100,000	H-5542	1933	1:100,000
H-5052	1930	1:80,000	H-5543	1933	1:100,000	H-5544	1933	1:100,000
H-5053	1930	1:80,000	H-5545	1933	1:100,000	H-5546	1933	1:100,000
H-5054	1930	1:80,000	H-5547	1933	1:100,000	H-5548	1933	1:100,000
H-5055	1930	1:80,000	H-5549	1933	1:100,000	H-5550	1933	1:100,000
H-5056	1930	1:80,000	H-5551	1933	1:100,000	H-5552	1933	1:100,000
H-5057	1930	1:80,000	H-5553	1933	1:100,000	H-5554	1933	1:100,000
H-5058	1930	1:80,000	H-5555	1933	1:100,000	H-5556	1933	1:100,000
H-5059	1930	1:80,000	H-5557	1933	1:100,000	H-5558	1933	1:100,000
H-5060	1930	1:80,000	H-5559	1933	1:100,000	H-5560	1933	1:100,000
H-5061	1930	1:80,000	H-5561	1933	1:100,000	H-5562	1933	1:100,000
H-5062	1930	1:80,000	H-5563	1933	1:100,000	H-5564	1933	1:100,000
H-5063	1930	1:80,000	H-5565	1933	1:100,000	H-5566	1933	1:100,000
H-5064	1930	1:80,000	H-5567	1933	1:100,000	H-5568	1933	1:100,000
H-5065	1930	1:80,000	H-5569	1933	1:100,000	H-5570	1933	1:100,000
H-5066	1930	1:80,000	H-5571	1933	1:100,000	H-5572	1933	1:100,000
H-5067	1930	1:80,000	H-5573	1933	1:100,000	H-5574	1933	1:100,000
H-5068	1930	1:80,000	H-5575	1933	1:100,000	H-5576	1933	1:100,000
H-5069	1930	1:80,000	H-5577	1933	1:100,000	H-5578	1933	1:100,000
H-5070	1930	1:80,000	H-5579	1933	1:100,000	H-5580	1933	1:100,000
H-5071	1930	1:80,000	H-5581	1933	1:100,000	H-5582	1933	1:100,000
H-5072	1930	1:80,000	H-5583	1933	1:100,000	H-5584	1933	1:100,000
H-5073	1930	1:80,000	H-5585	1933	1:100,000	H-5586	1933	1:100,000
H-5074	1930	1:80,000	H-5587	1933	1:100,000	H-5588	1933	1:100,000
H-5075	1930	1:80,000	H-5589	1933	1:100,000	H-5590	1933	1:100,000
H-5076	1930	1:80,000	H-5591	1933	1:100,000	H-5592	1933	1:100,000
H-5077	1930	1:80,000	H-5593	1933	1:100,000	H-5594	1933	1:100,000
H-5078	1930	1:80,000	H-5595	1933	1:100,000	H-5596	1933	1:100,000
H-5079	1930	1:80,000	H-5597	1933	1:100,000	H-5598	1933	1:100,000
H-5080	1930	1:80,000	H-5599	1933	1:100,000	H-5600	1933	1:100,000
H-5081	1930	1:80,000	H-5601	1933	1:100,000	H-5602	1933	1:100,000
H-5082	1930	1:80,000	H-5603	1933	1:100,000	H-5604	1933	1:100,000
H-5083	1930	1:80,000	H-5605	1933	1:100,000	H-5606	1933	1:100,000
H-5084	1930	1:80,000	H-5607	1933	1:100,000	H-5608	1933	1:100,000
H-5085	1930	1:80,000	H-5609	1933	1:100,000	H-5610	1933	1:100,000
H-5086	1930	1:80,000	H-5611	1933	1:100,000	H-5612	1933	1:100,000
H-5087	1930	1:80,000	H-5613	1933	1:100,000	H-5614	1933	1:100,000
H-5088	1930	1:80,000	H-5615	1933	1:100,000	H-5616	1933	1:100,000
H-5089	1930	1:80,000	H-5617	1933	1:100,000	H-5618	1933	1:100,000
H-5090	1930	1:80,000	H-5619	1933	1:100,000	H-5620	1933	1:100,000
H-5091	1930	1:80,000	H-5621	1933	1:100,000	H-5622	1933	1:100,000
H-5092	1930	1:80,000	H-5623	1933	1:100,000	H-5624	1933	1:100,000
H-5093	1930	1:80,000	H-5625	1933	1:100,000	H-5626	1933	1:100,000
H-5094	1930	1:80,000	H-5627	1933	1:100,000	H-5628	1933	1:100,000
H-5095	1930	1:80,000	H-5629	1933	1:100,000	H-5630	1933	1:100,000
H-5096	1930	1:80,000	H-5631	1933	1:100,000	H-5632	1933	1:100,000
H-5097	1930	1:80,000	H-5633	1933	1:100,000	H-5634	1933	1:100,000
H-5098	1930	1:80,000	H-5635	1933	1:100,000	H-5636	1933	1:100,000
H-5099	1930	1:80,000	H-5637	1933	1:100,000	H-5638	1933	1:100,000
H-5100	1930	1:80,000	H-5639	1933	1:100,000	H-5640	1933	1:100,000
H-5101	1930	1:80,000	H-5641	1933	1:100,000	H-5642	1933	1:100,000
H-5102	1930	1:80,000	H-5643	1933	1:100,000	H-5644	1933	1:100,000
H-5103	1930	1:80,000	H-5645	1933	1:100,000	H-5646	1933	1:100,000
H-5104	1930	1:80,000	H-5647	1933	1:100,000	H-5648	1933	1:100,000
H-5105	1930	1:80,000	H-5649	1933	1:100,000	H-5650	1933	1:100,000
H-5106	1930	1:80,000	H-5651	1933	1:100,000	H-5652	1933	1:100,000
H-5107	1930	1:80,000	H-5653	1933	1:100,000	H-5654	1933	1:100,000
H-5108	1930	1:80,000	H-5655	1933	1:100,000	H-5656	1933	1:100,000
H-5109	1930	1:80,000	H-5657	1933	1:100,000	H-5658	1933	1:100,000
H-5110	1930	1:80,000	H-5659	1933	1:100,000	H-5660	1933	1:100,000
H-5111	1930	1:80,000	H-5661	1933	1:100,000	H-5662	1933	1:100,000
H-5112	1930	1:80,000	H-5663	1933	1:100,000	H-5664	1933	1:100,000
H-5113	1930	1:80,000	H-5665	1933	1:100,000	H-5666	1933	1:100,000
H-5114	1930	1:80,000	H-5667	1933	1:100,000	H-5668	1933	1:100,000
H-5115	1930	1:80,000	H-5669	1933	1:100,000	H-5670	1933	1:100,000
H-5116	1930	1:80,000	H-5671	1933	1:100,000	H-5672	1933	1:100,000
H-5117	1930	1:80,000	H-5673	1933	1:100,000	H-5674	1933	1:100,000
H-5118	1930	1:80,000	H-5675	1933	1:100,000	H-5676	1933	1:100,000
H-5119	1930	1:80,000	H-5677	1933	1:100,000	H-5678	1933	1:100,000
H-5120	1930	1:80,000	H-5679	1933	1:100,000	H-5680	1933	1:100,000
H-5121	1930	1:80,000	H-5681	1933	1:100,000	H-5682	1933	1:100,000
H-5122	1930	1:80,000	H-5683	1933	1:100,000	H-5684	1933	1:100,000
H-5123	1930	1:80,000	H-5685	1933	1:100,000	H-5686	1933	1:100,000
H-5124	1930	1:80,000	H-5687	1933	1:100,000	H-5688	1933	1:100,000
H-5125	1930	1:80,000	H-5689	1933	1:100,000	H-5690	1933	1:100,000
H-5126	1930	1:80,000	H-5691	1933	1:100,000	H-5692	1933	1:100,000
H-5127	1930	1:80,000	H-5693	1933	1:100,000	H-5694	1933	1:100,000
H-5128	1930	1:80,000	H-5695	1933	1:100,000	H-5696	1933	1:100,000
H-5129	1930	1:80,000	H-5697	1933	1:100,000	H-5698	1933	1:100,000
H-5130	1930	1:80,000	H-5699	1933	1:100,000	H-5700	1933	1:100,000
H-5131	1930	1:80,000	H-5701	1933	1:100,000	H-5702	1933	1:100,000
H-5132	1930	1:80,000	H-5703	19				