



PRODUCED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SURVEY

Base map prepared by the Defense Mapping Agency from 1:24,000, 1:25,000, 1:50,000-scale maps dated 1958-1965 and aerial photographs taken 1952-1955. Map field checked 1959. Planimetry revised by the U. S. Geological Survey from aerial photographs taken 1976 and other source data. Revised information not field checked. Map dated 1979.

Bathymetry compiled by the National Ocean Survey from tide-coordinated hydrographic surveys. Bathymetric survey data comply with International Hydrographic Organization (IHO) Special Publication 44 accuracy standards and/or standards used at the date of the survey. This information is not intended for navigational purposes.

Mean low water (dotted) line and mean high water (solid) line compiled by NOS from tide-coordinated aerial photographs.

Offshore protection survey data, shown in red, compiled by the Bureau of Land Management. Heavy lines indicate limits of BLM Outer Continental Shelf Official Protection Diagram dated August 5, 1966. The protections on this map are not for Federal leasing purposes; for such purposes, refer to the OCS Official Protection Diagrams available from the Bureau of Land Management.

Transverse Mercator Projection. 10,000-meter Universal Transverse Mercator grid, zone 11. 100,000-foot grid ticks based on California coordinate system, zone 6. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 1 meter south and 28 meters east.

Area covered by light-blue pattern is subject to controlled inundation.

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.

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

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES

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

RAILROADS

Normal gauge
Narrow gauge
Interchange
Grand Coulee
Sun Valley

BOUNDARIES

International
State
County
Park or reservation

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

Other Features

Landplane airport
Landing area
Seaplane airport
Orchard
Woods brushwood
Power line
Landsmark: School, Church, Other
Spot elevation in feet
Marsh or swamp
Approximate shoreline
Sounding datum line

SECTIONIZED TOWNSHIP

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

TOWNSHIP OR RANGE LINE

LAND GRANT BOUNDARY

Scale 1:250,000

0 5 10 15 20 Statute Miles
0 5 10 15 20 Kilometers
0 5 10 15 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 MAXIMUM DEPTH
DATUM: MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

MAGNETIC VARIATION FOR 1979 IS 1° (250 MILS) WESTERLY OVER THE ENTIRE AREA

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

NATIONAL OCEAN SURVEY 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-4367	1924	1:40,000	21	H-5548	1934	1:10,000	03-11
H-4368	1924	1:40,000	21	H-5549	1934	1:10,000	03-08
H-4369	1924	1:40,000	21	H-5550	1934	1:10,000	03-08
H-4370	1924	1:40,000	21	H-5551	1934	1:10,000	03-08
H-4371	1924	1:40,000	21	H-5552	1934	1:10,000	03-08
H-4372	1924	1:40,000	21	H-5553	1934	1:10,000	03-08
H-4373	1924	1:40,000	21	H-5554	1934	1:10,000	03-08
H-4374	1924	1:40,000	21	H-5555	1934	1:10,000	03-08
H-4375	1924	1:40,000	21	H-5556	1934	1:10,000	03-08
H-4376	1924	1:40,000	21	H-5557	1934	1:10,000	03-08
H-4377	1924	1:40,000	21	H-5558	1934	1:10,000	03-08
H-4378	1924	1:40,000	21	H-5559	1934	1:10,000	03-08
H-4379	1924	1:40,000	21	H-5560	1934	1:10,000	03-08
H-4380	1924	1:40,000	21	H-5561	1934	1:10,000	03-08
H-4381	1924	1:40,000	21	H-5562	1934	1:10,000	03-08
H-4382	1924	1:40,000	21	H-5563	1934	1:10,000	03-08
H-4383	1924	1:40,000	21	H-5564	1934	1:10,000	03-08
H-4384	1924	1:40,000	21	H-5565	1934	1:10,000	03-08
H-4385	1924	1:40,000	21	H-5566	1934	1:10,000	03-08
H-4386	1924	1:40,000	21	H-5567	1934	1:10,000	03-08
H-4387	1924	1:40,000	21	H-5568	1934	1:10,000	03-08
H-4388	1924	1:40,000	21	H-5569	1934	1:10,000	03-08
H-4389	1924	1:40,000	21	H-5570	1934	1:10,000	03-08
H-4390	1924	1:40,000	21	H-5571	1934	1:10,000	03-08
H-4391	1924	1:40,000	21	H-5572	1934	1:10,000	03-08
H-4392	1924	1:40,000	21	H-5573	1934	1:10,000	03-08
H-4393	1924	1:40,000	21	H-5574	1934	1:10,000	03-08
H-4394	1924	1:40,000	21	H-5575	1934	1:10,000	03-08
H-4395	1924	1:40,000	21	H-5576	1934	1:10,000	03-08
H-4396	1924	1:40,000	21	H-5577	1934	1:10,000	03-08
H-4397	1924	1:40,000	21	H-5578	1934	1:10,000	03-08
H-4398	1924	1:40,000	21	H-5579	1934	1:10,000	03-08
H-4399	1924	1:40,000	21	H-5580	1934	1:10,000	03-08
H-4400	1924	1:40,000	21	H-5581	1934	1:10,000	03-08
H-4401	1924	1:40,000	21	H-5582	1934	1:10,000	03-08
H-4402	1924	1:40,000	21	H-5583	1934	1:10,000	03-08
H-4403	1924	1:40,000	21	H-5584	1934	1:10,000	03-08
H-4404	1924	1:40,000	21	H-5585	1934	1:10,000	03-08
H-4405	1924	1:40,000	21	H-5586	1934	1:10,000	03-08
H-4406	1924	1:40,000	21	H-5587	1934	1:10,000	03-08
H-4407	1924	1:40,000	21	H-5588	1934	1:10,000	03-08
H-4408	1924	1:40,000	21	H-5589	1934	1:10,000	03-08
H-4409	1924	1:40,000	21	H-5590	1934	1:10,000	03-08
H-4410	1924	1:40,000	21	H-5591	1934	1:10,000	03-08
H-4411	1924	1:40,000	21	H-5592	1934	1:10,000	03-08
H-4412	1924	1:40,000	21	H-5593	1934	1:10,000	03-08
H-4413	1924	1:40,000	21	H-5594	1934	1:10,000	03-08
H-4414	1924	1:40,000	21	H-5595	1934	1:10,000	03-08
H-4415	1924	1:40,000	21	H-5596	1934	1:10,000	03-08
H-4416	1924	1:40,000	21	H-5597	1934	1:10,000	03-08
H-4417	1924	1:40,000	21	H-5598	1934	1:10,000	03-08
H-4418	1924	1:40,000	21	H-5599	1934	1:10,000	03-08
H-4419	1924	1:40,000	21	H-5600	1934	1:10,000	03-08
H-4420	1924	1:40,000	21	H-5601	1934	1:10,000	03-08
H-4421	1924	1:40,000	21	H-5602	1934	1:10,000	03-08
H-4422	1924	1:40,000	21	H-5603	1934	1:10,000	03-08
H-4423	1924	1:40,000	21	H-5604	1934	1:10,000	03-08
H-4424	1924	1:40,000	21	H-5605	1934	1:10,000	03-08
H-4425	1924	1:40,000	21	H-5606	1934	1:10,000	03-08
H-4426	1924	1:40,000	21	H-5607	1934	1:10,000	03-08
H-4427	1924	1:40,000	21	H-5608	1934	1:10,000	03-08
H-4428	1924	1:40,000	21	H-5609	1934	1:10,000	03-08
H-4429	1924	1:40,000	21	H-5610	1934	1:10,000	03-08
H-4430	1924	1:40,000	21	H-5611	1934	1:10,000	03-08
H-4431	1924	1:40,000	21	H-5612	1934	1:10,000	03-08
H-4432	1924	1:40,000	21	H-5613	1934	1:10,000	03-08
H-4433	1924	1:40,000	21	H-5614	1934	1:10,000	03-08
H-4434	1924	1:40,000	21	H-5615	1934	1:10,000	03-08
H-4435	1924	1:40,000	21	H-5616	1934	1:10,000	03-08
H-4436	1924	1:40,000	21	H-5617	1934	1:10,000	03-08
H-4437	1924	1:40,000	21	H-5618	1934	1:10,000	03-08
H-4438	1924	1:40,000	21	H-5619	1934	1:10,000	03-08
H-4439	1924	1:40,000	21	H-5620	1934	1:10,000	03-08
H-4440	1924	1:40,000	21	H-5621	1934	1:10,000	03-08
H-4441	1924	1:40,000	21	H-5622	1934	1:10,000	03-08
H-4442	1924	1:40,000	21	H-5623	1934	1:10,000	03-08
H-4443	1924	1:40,000	21	H-5624	1934	1:10,000	03-08
H-4444	1924	1:40,000	21	H-5625	1934	1:10,000	03-08
H-4445	1924	1:40,000	21	H-5626	1934	1:10,000	03-08
H-4446	1924	1:40,000	21	H-5627	1934	1:10,000	03-08
H-4447	1924	1:40,000	21	H-5628	1934	1:10,000	03-08
H-4448	1924	1:40,000	21	H-5629	1934	1:10,000	03-08
H-4449	1924	1:40,000	21	H-5630	1934	1:10,000	03-08
H-4450	1924	1:40,000	21	H-5631	1934	1:10,000	03-08
H-4451	1924	1:40,000	21	H-5632	1934	1:10,000	03-08
H-4452	1924	1:40,000	21	H-5633	1934	1:10,000	03-08
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H-4454	1924	1:40,000	21	H-5635	1934	1:10,000	03-08
H-4455	1924	1:40,000	21	H-5636	1934	1:10,000	03-08
H-4456	1924	1:40,000	21	H-5637	1934	1:10,000	03-08
H-4457	1924	1:40,000	21	H-5638	1934	1:10,000	03-08
H-4458	1924	1:40,000	21	H-5639	1934	1:10,000	03-08
H-4459	1924	1:40,000	21	H-5640	1934	1:10,000	03-08
H-4460	1924	1:40,000	21	H-5641	1934	1:10,000	03-08
H-4461	1924	1:40,000	21	H-5642	1934	1:10,000	03-08
H-4462	1924	1:40,000	21	H-5643	1934	1:10,000	03-08
H-4463	1924	1:40,000	21	H-5644	1934	1:10,000	03-08
H-4464	1924	1:40,000	21	H-5645	1934	1:10,000	03-08
H-4465	1924	1:40,000	21	H-5646	1934	1:10,000	03-08
H-4466	1924	1:40,000	21	H-5647	1934	1:10,000	03-08
H-4467	1924	1:40,000	21	H-5648	1934	1:10,000	03-08
H-4468	1924	1:40,000	21	H-5649	1934	1:10,000	03-08
H-4469	1924	1:40,000	21	H-5650	1934	1:10,000	03-08
H-4470	1924	1:40,000	21	H-5651	1934	1:10,000	03-08
H-4471	1924	1:40,000	21	H-5652	1934	1:10,000	03-08
H-4472	1924	1:40,000	21	H-5653	1934	1:10,000	03-08
H-4473	1924	1:40,000	21	H-5654	1934	1:10,000	03-08
H-4474	1924	1:40,000	21	H-5655	1934	1:10,000	03-08
H-4475	1924	1:40,000	21	H-5656	1934	1:10,000	03-08
H-4476	1924	1:40,000	21	H-5657	1934	1:10,000	03-08
H-4477	1924	1:40,000	21	H-5658	1934	1:10,000	03-08
H-4478	1924	1:40,000	21	H-5659	1934	1:10,000	03-08
H-4479	1924	1:40,000	21	H-5660	1934	1:10,000	03-08
H-4480	1924	1:40,000	21	H-5661	1934	1:10,000	03-08
H-4481	1924	1:40,000	21	H-5662	1934	1:10,000	03-08
H-4482	1924	1:40,000	21	H-5663	1934	1:10,000	03-08
H-4483	1924	1:40,000	21	H-5664	1934	1:10,000	03-08
H-4484	1924	1:40,000	21	H-5665	1934	1:10,000	03-08
H-4485	1924	1:40,000	21	H-5666	1934	1:10,000	03-08
H-4486	1924	1:40,000	21	H-5667	1934	1:10,000	03-08
H-4487	1924	1:40,000	21	H-5668	1934	1:10,000	03-08
H-4488	1924	1:40,000	21	H-5669	1934	1:10,000	03-08