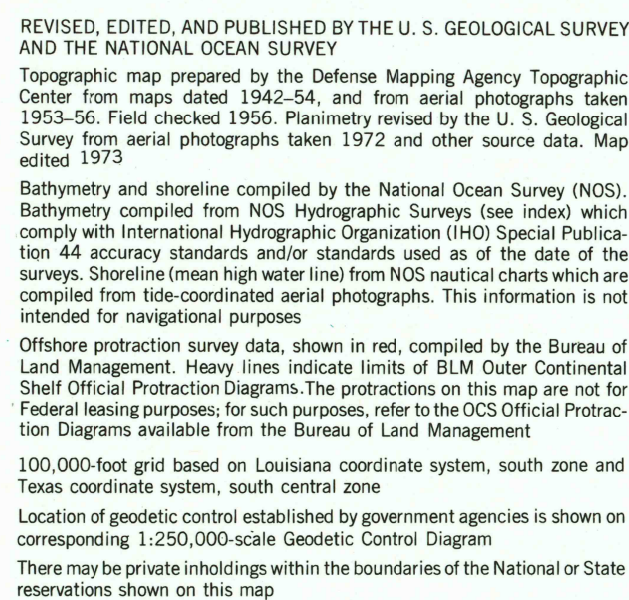




LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES

Over 500,000 — **LOS ANGELES**

100,000 to 500,000 — **OAKLAND**

25,000 to 100,000 — **MAMALA GAMAHA**

5,000 to 25,000 — **Durham**

Less than 5,000 — **Grand Coulee**

Less than 1,000 — **Sun Valley**

RAILROADS

Normal gauge —

Narrow gauge —

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 —

Ear or weather, unimproved surface —

Trail —

Interchange —

Route marking: Interstate, U.S. State —

— Mine —

— Power line —

— Camp; School; Church; Other —

— spot elevation in feet —

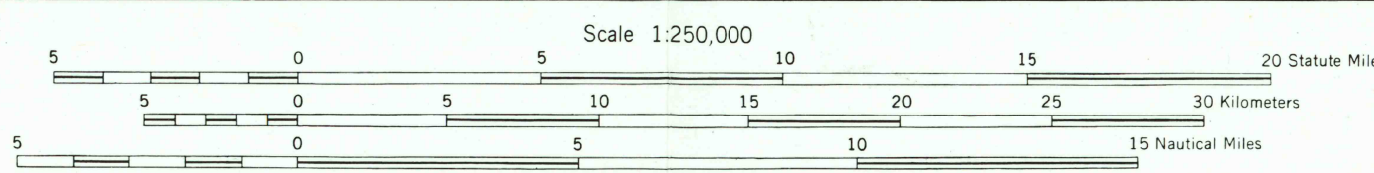
— Marsh or swamp —

— Seaplane anchorage —

— Woods/bushwood —

— Sounding distance line —

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 _____

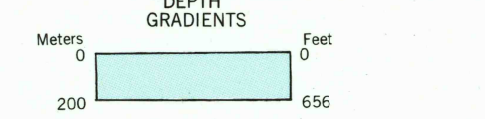
MAXIMUM ELEVATION LESS THAN 50 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVAL 10 METERS
SUPPLEMENTED BY 2 METER CONTOUR INTERVALS TO MAXIMUM DEPTH
GULF COAST LOW WATER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

TRANSVERSE MERCATOR PROJECTION

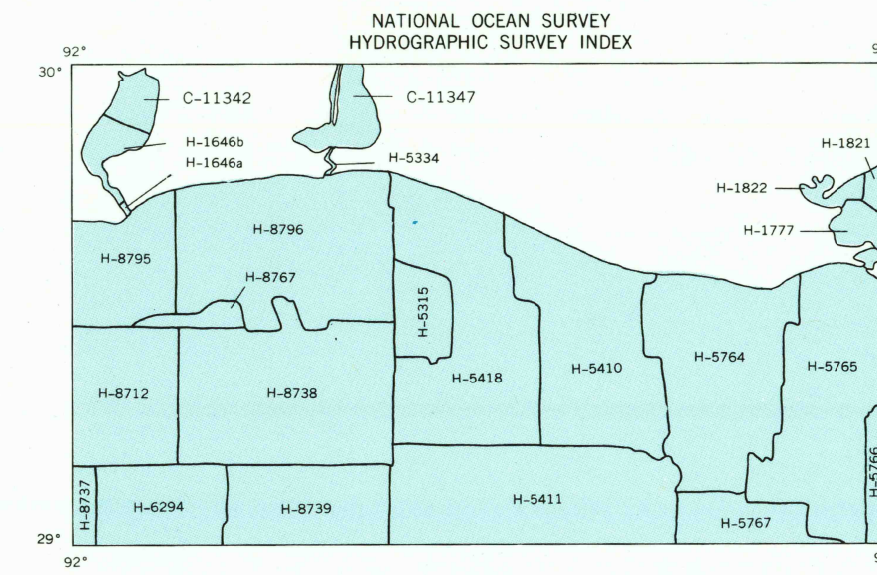
BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 15

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

NATIONAL OCEAN SURVEY HYDROGRAPHIC SURVEY INFORMATION			
SURVEY NUMBER	SURVEY SCALE	SURVEY SCALE	SURVEY LINE (FACING IN/OUT)
~1666a	1:888	1:20,000	03-60
~1646b	1:888	1:20,000	03-60
~15177	1:888	1:20,000	02-30
~15178	1:888	1:20,000	02-30
~1802	1:888	1:20,000	25-43
~1803	1:888	1:20,000	25-43
~5334	1:933	1:100,000	03-08
~5462	1:933	1:100,000	03-08
~5418	1:934	1:100,000	02-13
~5419	1:934	1:100,000	02-13
~5420	1:934	1:100,000	02-13
~5765	1:934.35	1:100,000	50-23
~5766	1:934.35	1:100,000	50-23
~5767	1:934.35	1:100,000	50-23
~5768	1:934.35	1:100,000	50-23
~5769	1:934.35	1:100,000	50-23
~5770	1:934.35	1:100,000	50-23
~5771	1:934.35	1:100,000	50-23
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~5995	1:934.35	1:100,000	



GRID ZONE DESIGNATION: 1SR	TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 500 METERS
300,000 M. SQUARE IDENTIFICATION	SAMPLE POINT: CIRCLE
	1. Read letters identifying 300,000 meter square in which the point lies: 2. Locate first VERTICAL, grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or as the line label: Estimate tenths from grid line to point: 3. Locate first HORIZONTAL, grid line to LEFT of point and read LARGE figure labeling the line either in the left or right margin, or as the line label: Estimate tenths from grid line to point:
IGNORE the SMALLER figures of any grid number: these are for finding the full coordinates. Use ONLY the LARGER of the grid number, example: 321 000	SAMPLE REFERENCE: VC85



Photographic copies of the above and prior surveys may be obtained at the cost of reproduction by addressing the Director, (C-353), National Ocean Survey, National Oceanic and Atmospheric Administration, Rockville, Maryland 20850.

RECEIVED
JAN 31 2000
USGS NMD
HISTORICAL MAP ARCHIVES

PORT ARTHUR, TEXAS; LOUISIANA
1956
REVISED 1973
SHORELINE REVISED AND
BATHYMETRY ADDED
1978
TOPOGRAPHIC-BATHYMETRIC

