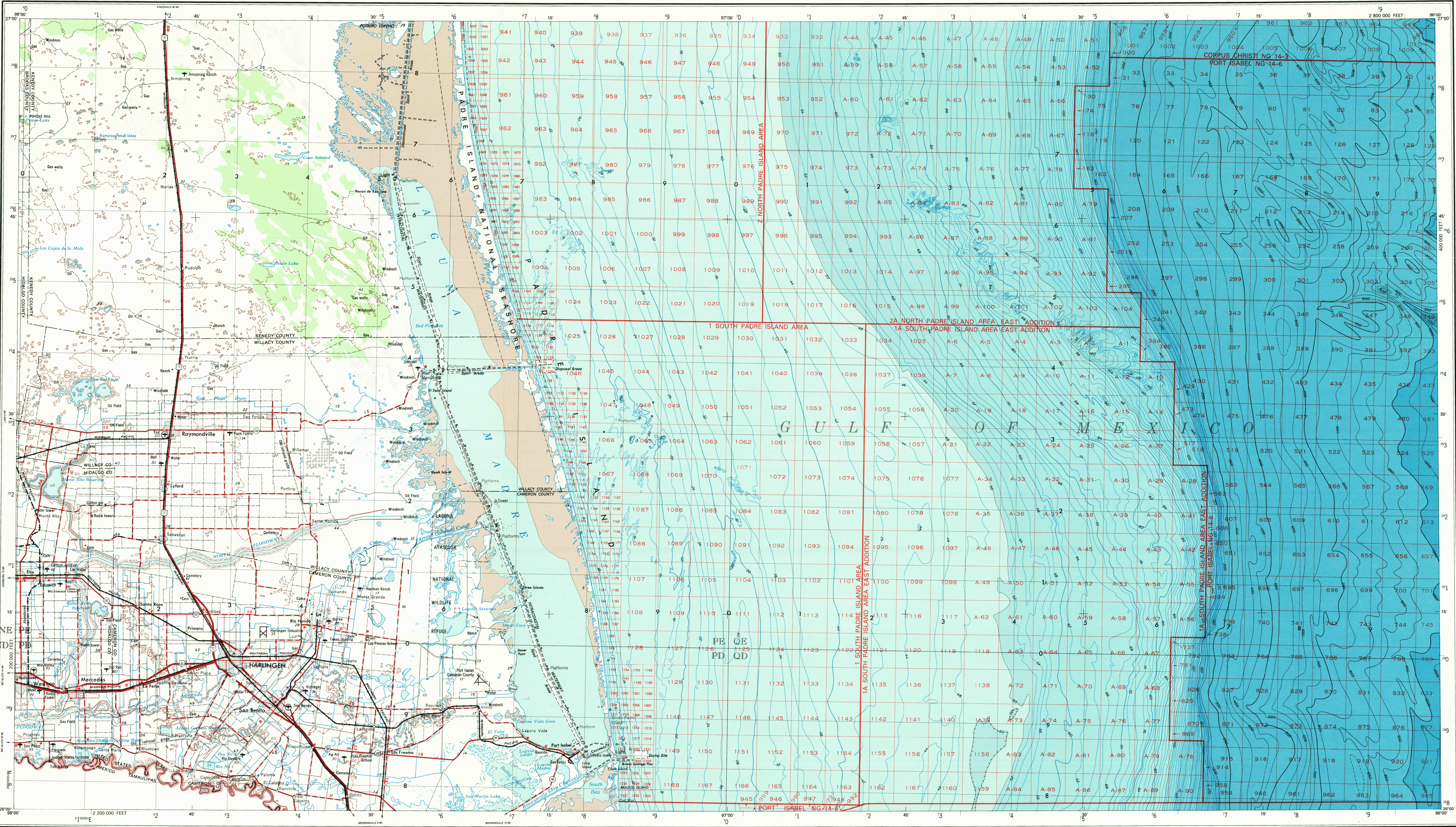




PRODUCED BY THE U. S. GEOLOGICAL SURVEY AND THE NATIONAL OCEAN SERVICE
Base map prepared by the Defense Mapping Agency by photogrammetric methods from aerial photographs taken 1955 and from 1:24,000, 1:25,000 and 1:31,680-scale maps dated 1929-52. Field checked 1956. Revised by the U. S. Geological Survey 1969.
Bathymetry compiled by the National Ocean Service 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 lower low water (dotted) line and mean high water (solid) line compiled by NOS tide-coordinated 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 Diagrams. The protection 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 14. 100,000-foot grid ticks based on Texas coordinate system, south zone. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 32 meters south and 26 meters east.
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 the National or State Reservations shown on this map.

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

Normal gauge
Narrow gauge
Interurban
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, unpaved surface
Sun Valley Route markers: Interstate, U.S., State, County

Landmark, School, Church, Other

Spot elevation in feet
Marsh or swamp
Approximate shoreline
Sounding datum line

Other features: Landing area, Seaplane airport, Seaplane anchorage, Woods/bushwood, Sounding datum line

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 50 FEET
WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO 200 METER DEPTH
WITH SUPPLEMENTARY CONTOURS AT 2 METER INTERVALS, 50 METERS TO MAXIMUM DEPTH
DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

1982 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 7° (130 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 8° (120 MILES) EASTERLY FOR THE CENTER OF THE EAST EDGE

**NATIONAL OCEAN SERVICE
HYDROGRAPHIC SURVEY INFORMATION**

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY NAME (Nas. Misc.)
H-4397	1938	1:250,000	06-17
H-4401	1938	1:250,000	11-12
H-4402	1938	1:250,000	10-20
H-4403	1938	1:250,000	06-13
H-4404	1939	1:250,000	06-13
H-4405	1939	1:250,000	06-13
H-4406	1939	1:250,000	06-13
H-4407	1939	1:250,000	06-13
H-4408	1939	1:250,000	06-13
H-4409	1939	1:250,000	06-13
H-4410	1939	1:250,000	06-13
H-4411	1939	1:250,000	06-13
H-4412	1939	1:250,000	06-13
H-4413	1939	1:250,000	06-13
H-4414	1939	1:250,000	06-13
H-4415	1939	1:250,000	06-13
H-4416	1939	1:250,000	06-13
H-4417	1939	1:250,000	06-13
H-4418	1939	1:250,000	06-13
H-4419	1939	1:250,000	06-13
H-4420	1939	1:250,000	06-13
H-4421	1939	1:250,000	06-13
H-4422	1939	1:250,000	06-13
H-4423	1939	1:250,000	06-13
H-4424	1939	1:250,000	06-13
H-4425	1939	1:250,000	06-13
H-4426	1939	1:250,000	06-13
H-4427	1939	1:250,000	06-13
H-4428	1939	1:250,000	06-13
H-4429	1939	1:250,000	06-13
H-4430	1939	1:250,000	06-13
H-4431	1939	1:250,000	06-13
H-4432	1939	1:250,000	06-13
H-4433	1939	1:250,000	06-13
H-4434	1939	1:250,000	06-13
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H-4461	1939	1:250,000	06-13
H-4462	1939	1:250,000	06-13
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H-4495	1939	1:250,000	06-13
H-4496	1939	1:250,000	06-13
H-4497	1939	1:250,000	06-13
H-4498	1939	1:250,000	06-13
H-4499	1939	1:250,000	06-13
H-4500	1939	1:250,000	06-13

DEPTH GRADIENTS

Feet
0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150 1200 1250 1300 1350 1400 1450 1500 1550 1600 1650 1700 1750 1800 1850 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400 2450 2500 2550 2600 2650 2700 2750 2800 2850 2900 2950 3000 3050 3100 3150 3200 3250 3300 3350 3400 3450 3500 3550 3600 3650 3700 3750 3800 3850 3900 3950 4000 4050 4100 4150 4200 4250 4300 4350 4400 4450 4500 4550 4600 4650 4700 4750 4800 4850 4900 4950 5000 5050 5100 5150 5200 5250 5300 5350 5400 5450 5500 5550 5600 5650 5700 5750 5800 5850 5900 5950 6000 6050 6100 6150 6200 6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450 7500 7550 7600 7650 7700 7750 7800 7850 7900 7950 8000 8050 8100 8150 8200 8250 8300 8350 8400 8450 8500 8550 8600 8650 8700 8750 8800 8850 8900 8950 9000 9050 9100 9150 9200 9250 9300 9350 9400 9450 9500 9550 9600 9650 9700 9750 9800 9850 9900 9950 10000 10050 10100 10150 10200 10250 10300 10350 10400 10450 10500 10550 10600 10650 10700 10750 10800 10850 10900 10950 11000 11050 11100 11150 11200 11250 11300 11350 11400 11450 11500 11550 11600 11650 11700 11750 11800 11850 11900 11950 12000 12050 12100 12150 12200 12250 12300 12350 12400 12450 12500 12550 12600 12650 12700 12750 12800 12850 12900 12950 13000 13050 13100 13150 13200 13250 13300 13350 13400 13450 13500 13550 13600 13650 13700 13750 13800 13850 13900 13950 14000 14050 14100 14150 14200 14250 14300 14350 14400 14450 14500 14550 14600 14650 14700 14750 14800 14850 14900 14950 15000 15050 15100 15150 15200 15250 15300 15350 15400 15450 15500 15550 15600 15650 15700 15750 15800 15850 15900 15950 16000 16050 16100 16150 16200 16250 16300 16350 16400 16450 16500 16550 16600 16650 16700 16750 16800 16850 16900 16950 17000 17050 17100 17150 17200 17250 17300 17350 17400 17450 17500 17550 17600 17650 17700 17750 17800 17850 17900 17950 18000 18050 18100 18150 18200 18250 18300 18350 18400 18450 18500 18550 18600 18650 18700 18750 18800 18850 18900 18950 19000 19050 19100 19150 19200 19250 19300 19350 19400 19450 19500 19550 19600 19650 19700 19750 19800 19850 19900 19950 20000 20050 20100 20150 20200 20250 20300 20350 20400 20450 20500 20550 20600 20650 20700 20750 20800 20850 20900 20950 21000 21050 21100 21150 21200 21250 21300 21350 21400 21450 21500 21550 21600 21650 21700 21750 21800 21850 21900 21950 22000 22050 22100 22150 22200 22250 22300 22350 22400 22450 22500 22550 22600 22650 22700 22750 22800 22850 22900 22950 23000 23050 23100 23150 23200 23250 23300 23350 23400 23450 23500 23550 23600 23650 23700 23750 23800 23850 23900 23950 24000 24050 24100 24150 24200 24250 24300 24350 24400 24450 24500 24550 24600 24650 24700 24750 24800 24850 24900 24950 25000 25050 25100 25150 25200 25250 25300 25350 25400 25450 25500 25550 25600 25650 25700 25750 25800 25850 25900 25950 26000 26050 26100 26150 26200 26250 26300 26350 26400 26450 26500 26550 26600 26650 26700 26750 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