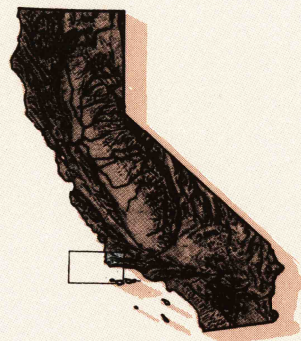


Santa Maria

CALIFORNIA

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



U. S. GEOLOGICAL SURVEY
NATIONAL OCEAN SERVICE



1989

Produced by the United States Geological Survey and the National Ocean Service

Compiled from USGS 1:100 000-scale topographic maps dated 1981 and 1982. Planimetry revised from aerial photography taken 1984 and other source data. Revised information not field checked. Map edited 1989.

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 from tide-coordinated aerial photography.

North American Datum of 1983 (NAD 83). Projection and 10 000-meter grid. Universal Transverse Mercator, zone 13. 25 000-meter grid ticks. California Coordinate System of 1983 (zone 5).

The difference between NAD 83 and North American Datum of 1927 (NAD 27) for 7.5 minute intersection is given in USGS Bulletin 1875.

Offshore protection survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of California Leasing Map dated 1984 and Outer Continental Shelf Official Protraction Diagrams dated 1976. The protections on this map are not for Federal leasing purposes; for such purposes, refer to California Leasing Maps and OCS Official Protraction Diagrams available from the Minerals Management Service.

Certain land grant names and boundaries are omitted to avoid congestion. There may be private inholdings within the boundaries of National or State reservations shown on this map.

1989 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 141° (258 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 14° (249 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 2.5 WESTERLY.

CONTOUR INTERVAL 100 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
ELEVATIONS SHOWN TO THE NEAREST METERS
BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO 200 METERS
DEPTH THENCE 50 METERS TO MAXIMUM DEPTH. DATUM IS MEAN LOWER LOW WATER. THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE.

BASE MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE				ADJOINING MAPS		
Meters	Feet	Fath	Meters	1	2	3
1	3.2808	1	3048			
2	6.5617	2	6096			
3	9.8425	3	9144			
4	13.1234	4	12192			
5	16.4042	5	15240			
6	19.6850	6	18288			
7	22.9659	7	21336			
8	26.2467	8	24384			
9	29.5275	9	27432			
10	32.8084	10	30480			
To convert meters to feet multiply by 3.2808						
To convert feet to meters multiply by 0.3048						
				1	2	3
				2	San Luis Obispo	
				3	San Luis Obispo	
				4	Los Angeles	
				5	Los Angeles	
				6	San Luis Obispo	
				7	San Luis Obispo	
				8	Long Beach	

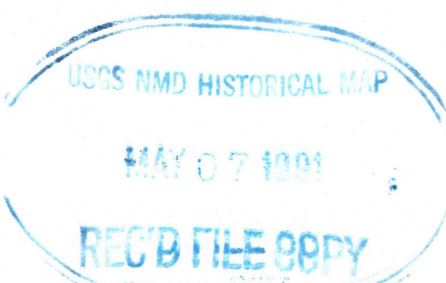
FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

Topographic Map Symbols

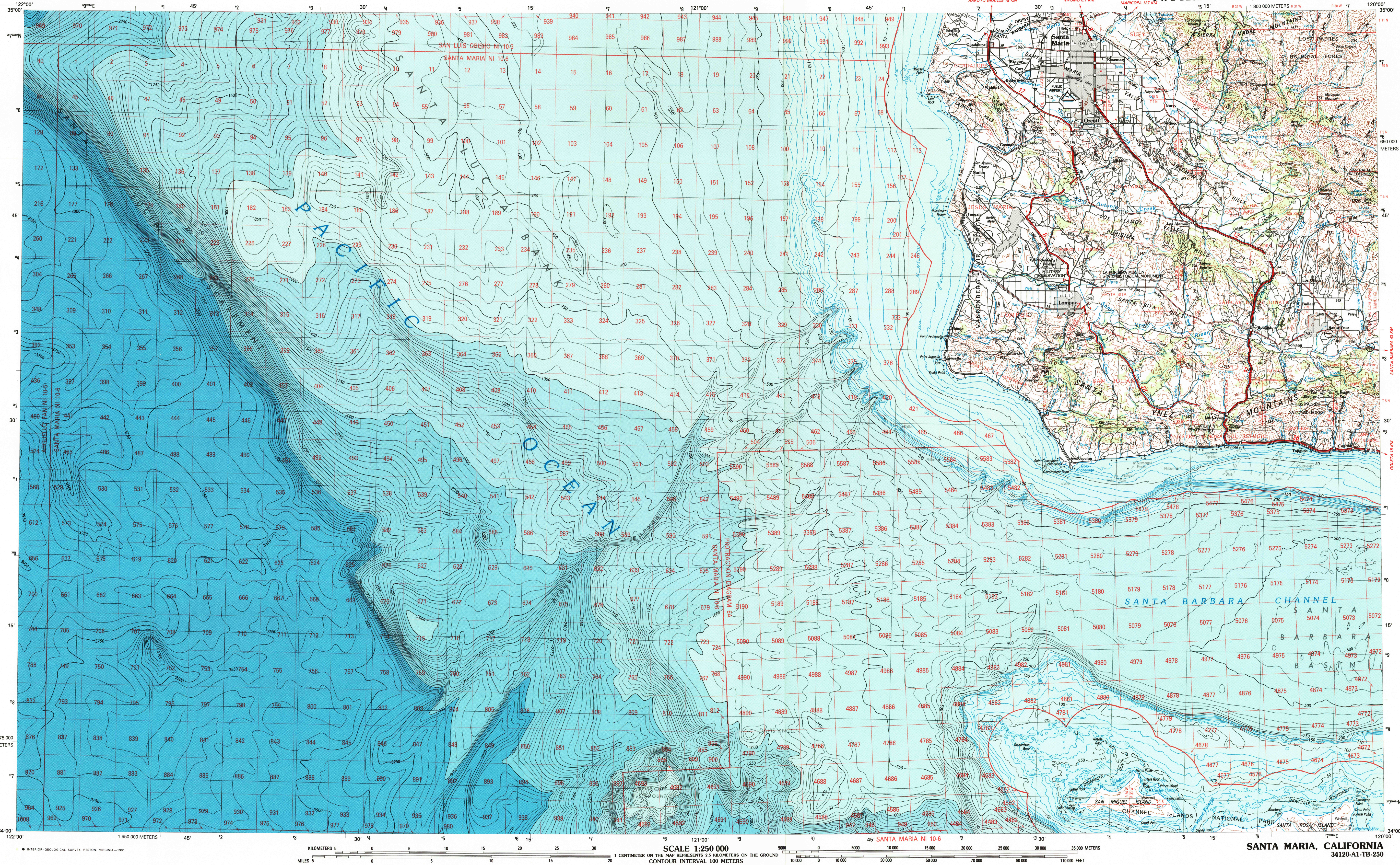
Dual highway; interchange	
Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, hard or improved surface	
Other road; trail	
Route marker: Interstate; U. S. State	
Bridge; overpass; underpass	
Tunnel: road, railroad	
Railroad: standard gauge, single, multiple track	
Railroad: 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 (protracted)	
Point: landmark feature; landmark building	
Dam; landmark feature; landmark building	
Well; water, other; spring; tank	
Cave; mine, quarry; oil platform	
Landmark area; landmark race track	
Disturbed surface: strip mine, levee, and sand	
Contours: index; intermediate; supplementary	
Bathymetric contours: index, intermediate	
Stream, lake; perennial; intermittent	
Rapids, large and small; falls, large and small	
Land subject to controlled inundation; marsh, swamp	
Mangrove, woodland	
Orchard; vineyard	

Figures in red denote approximate distance in kilometers between markers

A pamphlet describing topographic maps is available on request



SANTA MARIA, CALIFORNIA



SANTA MARIA, CALIFORNIA
34120-A1-TB-250

1989

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-5508	1929	1:10,000	03.16	H-5742	1934	1:10,000	03.21
H-5509	1933.34	1:10,000	03.13	H-5743	1934	1:10,000	03.13
H-5604	1934	1:10,000	03.24	H-5746	1933.34	1:10,000	03.21
H-5625	1933	1:10,000	05.27	H-5747	1934	1:10,000	03.21
H-5626	1933	1:10,000	05.27	H-5748	1933.34	1:10,000	03.21
H-5627	1933	1:10,000	05.21	H-5749	1934	1:10,000	03.21
H-5628	1933.34	1:10,000	05.21	H-5750	1934	1:10,000	03.21
H-5629	1933.34	1:10,000	05.21	H-5751	1934	1:10,000	03.21
H-5630	1933.34	1:10,000	05.21	H-5752	1934	1:10,000	03.21
H-5631	1933.34	1:10,000	05.21	H-5753	1934	1:10,000	03.21
H-5632	1933.34	1:10,000	05.21	H-5754	1934	1:10,000	03.21
H-5633	1933.34	1:10,000	05.21	H-5755	1934	1:10,000	03.21
H-5634	1933.34	1:10,000	05.21	H-5756	1934	1:10,000	03.21
H-5635	1933.34	1:10,000	05.21	H-5757	1934	1:10,000	03.21
H-5636	1933.34	1:10,000	05.21	H-5758	1934	1:10,000	03.21
H-5637	1933.34	1:10,000	05.21	H-5759	1934	1:10,000	03.21
H-5638	1933.34	1:10,000	05.21	H-5760	1934	1:10,000	03.21
H-5639	1933.34	1:10,000	05.21	H-5761	1934	1:10,000	03.21
H-5640	1933.34	1:10,000	05.21	H-5762	1934	1:10,000	03.21
H-5641	1933.34	1:10,000	05.21	H-5763	1934	1:10,000	03.21
H-5642	1933.34	1:10,000	05.21	H-5764	1934	1:10,000	03.21
H-5643	1933.34	1:10,000	05.21	H-5765	1934	1:10,000	03.21
H-5644	1933.34	1:10,000	05.21	H-5766	1934	1:10,000	03.21
H-5645	1933.34	1:10,000	05.21	H-5767	1934	1:10,000	03.21
H-5646	1933.34	1:10,000	05.21	H-5768	1934	1:10,000	03.21
H-5647	1933.34	1:10,000	05.21	H-5769	1934	1:10,000	03.21
H-5648	1933.34	1:10,000	05.21	H-5770	1934	1:10,000	03.21
H-5649	1933.34	1:10,000	05.21	H-5771	1934	1:10,000	03.21
H-5650	1933.34	1:10,000	05.21	H-5772	1934	1:10,000	03.21
H-5651	1933.34	1:10,000	05.21	H-5773	1934	1:10,000	03.21
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H-5657	1933.34	1:10,000	05.21	H-5779	1934	1:10,000	03.21
H-5658	1933.34	1:10,000	05.21	H-5780	1934	1:10,000	03.21
H-5659	1933.34	1:10,000	05.21	H-5781	1934	1:10,000	03.21
H-5660	1933.34	1:10,000	05.21	H-5782	1934	1:10,000	03.21
H-5661	1933.34	1:10,000	05.21	H-5783	1934	1:10,000	03.21
H-5662	1933.34	1:10,000	05.21	H-5784	1934	1:10,000	03.21
H-5663	1933.34	1:10,000	05.21	H-5785	1934	1:10,000	03.21
H-5664	1933.34	1:10,000	05.21	H-5786	1934	1:10,000	03.21
H-5665	1933.34	1:10,000	05.21	H-5787	1934	1:10,000	03.21
H-5666	1933.34	1:10,000	05.21	H-5788	1934	1:10,000	03.21
H-5667	1933.34	1:10,000	05.21	H-5789	1934	1:10,000	03.21
H-5668	1933.34	1:10,000	05.21	H-5790	1934	1:10,000	03.21
H-5669	1933.34	1:10,000	05.21	H-5791	1934	1:10,000	03.21
H-5670	1933.34	1:10,000	05.21	H-5792	1934	1:10,000	03.21
H-5671	1933.34	1:10,000	05.21	H-5793	1934	1:10,000	03.21
H-5672	1933.34	1:10,000	05.21	H-5794	1934	1:10,000	03.21
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H-5677	1933.34	1:10,000	05.21	H-5799	1934	1:10,000	03.21
H-5678	1933.34	1:10,000	05.21	H-5800	1934	1:10,000	03.21
H-5679	1933.34	1:10,000	05.21	H-5801	1934	1:10,000	03.21
H-5680	1933.34	1:10,000	05.21	H-5802	1934	1:10,000	03.21
H-5681	1933.34	1:10,000	05.21	H-5803	1934	1:10,000	03.21
H-5682	1933.34	1:10,000	05.21	H-5804	1934	1:10,000	03.21
H-5683	1933.34	1:10,000	05.21	H-5805	1934	1:10,000	03.21
H-5684	1933.34	1:10,000	05.21	H-5806	1934	1:10,000	03.21
H-5685	1933.34	1:10,000	05.21	H-5807	1934	1:10,000	03.21
H-5686	1933.34	1:10,000	05.21	H-5808	1934	1:10,000	03.21
H-5687	1933.34	1:10,000	05.21	H-5809	1934	1:10,000	03.21
H-5688	1933.34	1:10,000	05.21	H-5810	1934	1:10,000	03.21
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H-5690	1933.34	1:10,000	05.21	H-5812	1934	1:10,000	03.21
H-5691	1933.34	1:10,000	05.21	H-5813	1934	1:10,000	03.21
H-5692	1933.34	1:10,000	05.21	H-5814	1934	1:10,000	03.21
H-5693	1933.34	1:10,000	05.21	H-5815	1934	1:10,000	03.21
H-5694	1933.34	1:10,000	05.21	H-5816	1934	1:10,000	03.21
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H-5696	1933.34	1:10,000	05.21	H-5818	1934	1:10,000	03.21
H-5697	1933.34	1:10,000	05.21	H-5819	1934	1:10,000	03.21
H-5698	1933.34	1:10,000	05.21	H-5820	1934	1:10,000	03.21
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H-5701	1933.34	1:10,000	05.21	H-5823	1934	1:10,000	03.21
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H-5704	1933.34	1:10,000	05.21	H-5826	1934	1:10,000	03.21
H-5705	1933.34	1:10,000	05.21	H-5827	1934	1:10,000	03.21
H-5706	1933.34	1:10,000	05.21	H-5828	1934	1:10,000	03.21
H-5707	1933.34	1:10,000	05.21	H-5829	1934	1:10,000	03.21
H-5708	1933.34	1:10,000	05.21	H-5830	1934	1:10,000	03.21
H-5709	1933.34	1:10,000	05.21	H-5831	1934	1:10,000	03.21
H-5710	1933.34	1:10,000	05.21	H-5832	1934	1:10,000	03.21
H-5711	1933.34	1:10,000	05.21	H-5833	1934	1:10,000	03.21
H-5712	1933.34	1:10,000	05.21	H-5834	1934	1:10,000	03.21
H-5713	1933.34	1:10,000	05.21	H-5835	1934	1:10,000	03.21
H-5714	1933.34	1:10,000	05.21	H-5836	1934	1:10,000	03.21
H-5715	1933.34	1:10,000	05.21	H-5837	1934	1:10,000	03.21
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H-5721	1933.34	1:10,000	05.21	H-5843	1934	1:10,000	03.21
H-5722	1933.34	1:10,000	05.21	H-5844	1934	1:10,000	03.21
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H-5735	1933.34	1:10,000	05.21	H-5857	1934	1:10,000	03.21
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H-5745	1933.34	1:10,000	05.21	H-5867	1934	1:10,000	03.21
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H-5755	1933.34	1:10,000	05.21	H-5877	1934	1:10,000	03.21
H-5756	1933.34	1:10,000	05.21	H-5878	1934	1:10,000	03.21
H-5757							