



NOTE
This plate is intended to illustrate the location and data density of the primary common-depth-point seismic lines used in our interpretations. The original digital data set for the line locations was destroyed and this figure was made from the best quality print remaining. Some of the line numbers and shotpoint numbers are difficult to read but the seismic profiles illustrated in the report can be located on the map.

EXPLANATION

This map shows the shiptrack lines and shotpoints for the primary common-depth-point (CDP) seismic reflections surveys used to construct the structural trend map (pl. 4), the three unconformity structural contour maps (pls. 5-7) and to develop our interpretation of the Hogri Fault Zone. Data from surveys listed below whose lines are not plotted were used to supplement the primary data sets. Due to the relatively high density of survey lines, it is not practical to plot all of the lines at this scale. Lines from data sets owned by public agencies including the California State Lands Commission (CSLC), Minerals Management Service (MMS), and the U.S. Geological Survey (USGS) are not plotted on this map. The general areas covered by the individual surveys are shown on figure 2.

| CDP Seismic Survey Data | | | | | | General Survey Area | |
|--|----------------------------|--------------|-------------------------------|----------|---------------------|---------------------|--|
| Map Line Designation | Acquisition Contractor | Year Shot | Energy Source | CDP Fold | Record Length (sec) | | Survey Length (km) |
| Not shown | Aquatronics | 1974 | Sparker | 6 | 1.3 | 479 | Point Arguello to San Simeon, within 10 km of coastline. |
| C76-# | Consolidated Geotechnical | 1976 | Sparker (30 kilojoules) | 12 | 2 | 1,340 | Santa Maria Basin, Point Conception to Cape San Martin |
| CM-# | Comap | 1986 | Water guns (160 cubic inches) | 24 | 2 | 500 | San Luis Obispo Bay to Cape San Martin, within 6 km of coastline. |
| Not shown, CSLC data | Digison | 1986 | Air guns (3520 cubic inches) | 60 | 4 | 592 | Point Arguello to San Luis Obispo Bay, within 7 km of coastline. |
| PGE-#, RU-# | Digison | 1986 | Air guns (6000 cubic inches) | 45 | 16 | 590 | Santa Maria Basin, San Luis Obispo Bay to San Simeon Point. Four lines — coastline to Santa Lucia escarpment |
| Not shown, | Fairfield Industries | 1979 | Sleeve exploder | 12 | 1 | 4,720 | Santa Maria Basin, Point Point Estero. |
| GSI-# | Geophysical Services, Inc. | 1980 | Air guns | 48 | 5 | 1,296 | Santa Maria Basin, Point Point Estero. |
| J-# | JEBSCO Seismic, Inc. | 1988 | Air guns (3360 cubic inches) | 60 | 4 | 58 | Northeastern Santa Maria Luis to Point Piedras Blanca |
| 45-# | Nekton | 1983 | Water guns | 36 | 3 | 154 | East-central Santa Maria |
| Not shown, CSLC data | Nekton | 1983 | Water guns (60 cubic inches) | 24 | 3 | 1,338 | Point Arguello to San Luis within 7 km of coastline. |
| S-# | Seiscom Delta | 1977 | Air guns | 48 | 6 | 42 | Southwest of San Luis Obispo |
| Not shown, USGS data | Survey | 1979 | Air guns | 24 | 8 | 250 | Santa Maria Basin, region |
| WST-# | Western Geophysical, Inc. | 1974 to 1982 | Air guns | 48 & 60 | 6 | 570 | Eastern Santa Maria Basin to Cape San Martin. |
| Total kilometers of common-depth-point seismic lines: | | | | | | 11,929 | |

Map coordinate system is NAD 83, UTM Zone 10 in meters.

Map Showing Locations of Common-Depth-Point Seismic Lines, Eastern Offshore Santa Maria Basin

By
C. Richard Willingham, Jan D. Rietman, Ronald G. Heck, and William R. Lettis
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