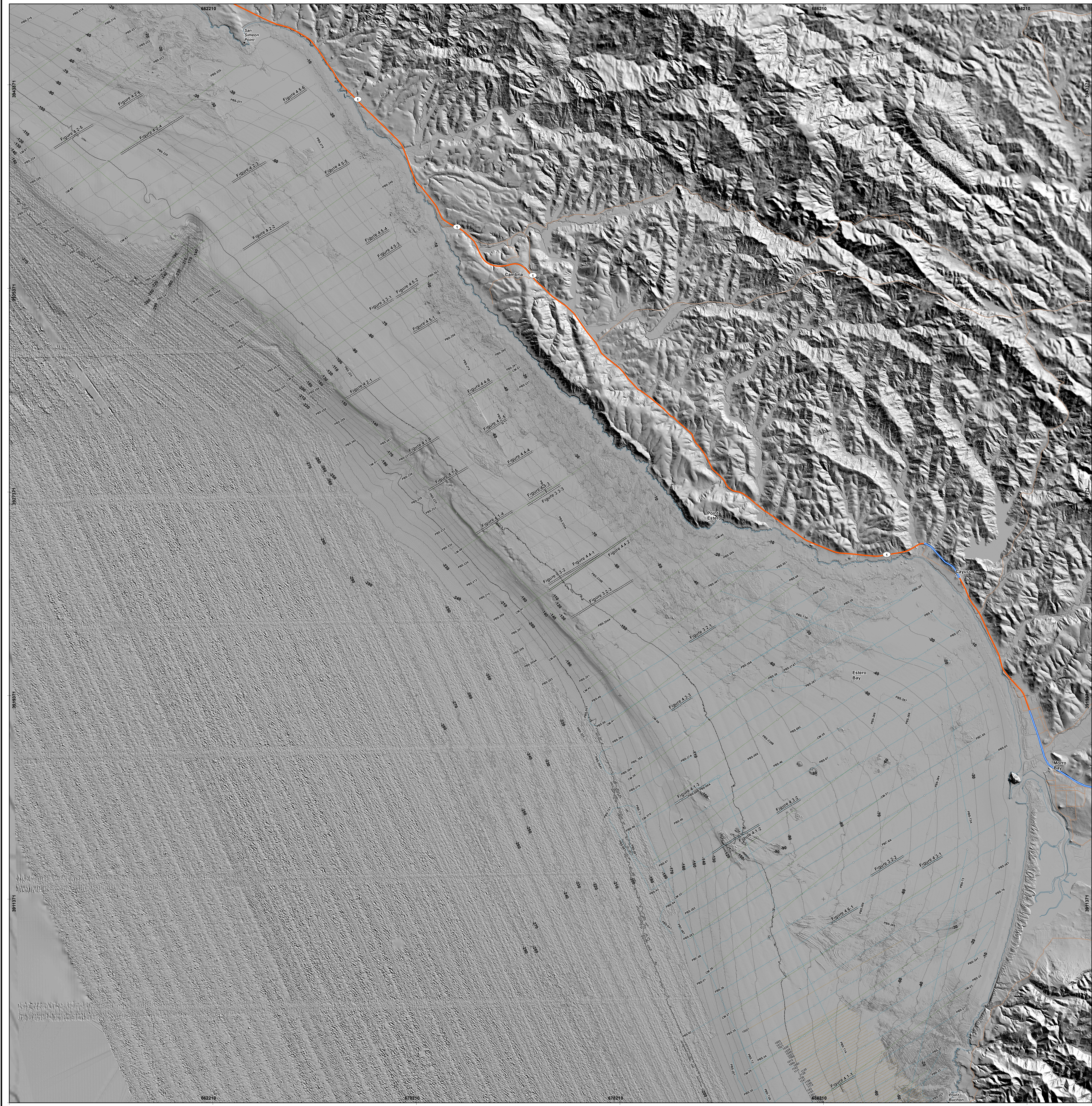




EXPLANATION

- Contours**
- 10-meter contour lines referred to NAVD-88 datum
- Survey Navigation Lines**
- Navigation station points
 - 2011 Point Buchon seismic survey navigation lines (Line numbers > 1,000)
 - 1986 COMAP seismic survey navigation lines (Line numbers CM-#)
 - USGS 2008 seismic survey navigation lines (Line numbers PBS- <100)
 - USGS 2009 seismic survey navigation lines (Line numbers PBS- >200)
 - Figure extents
- Base Map Features**
- Coastline at mean lower low water (approximate sea level)
 - Major road or highway
 - Base map: Composite DEM, version 7, DCCP Geodatabase (2013)

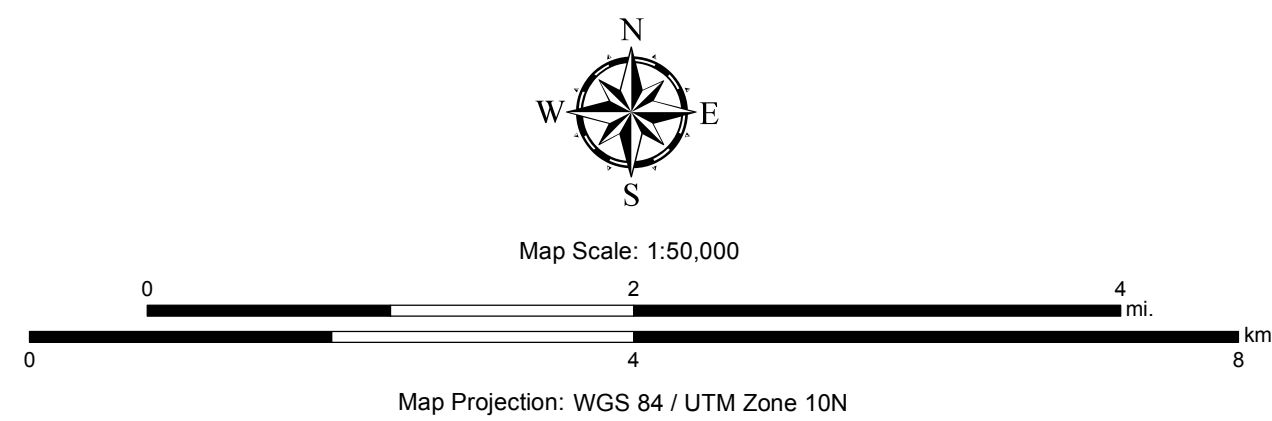
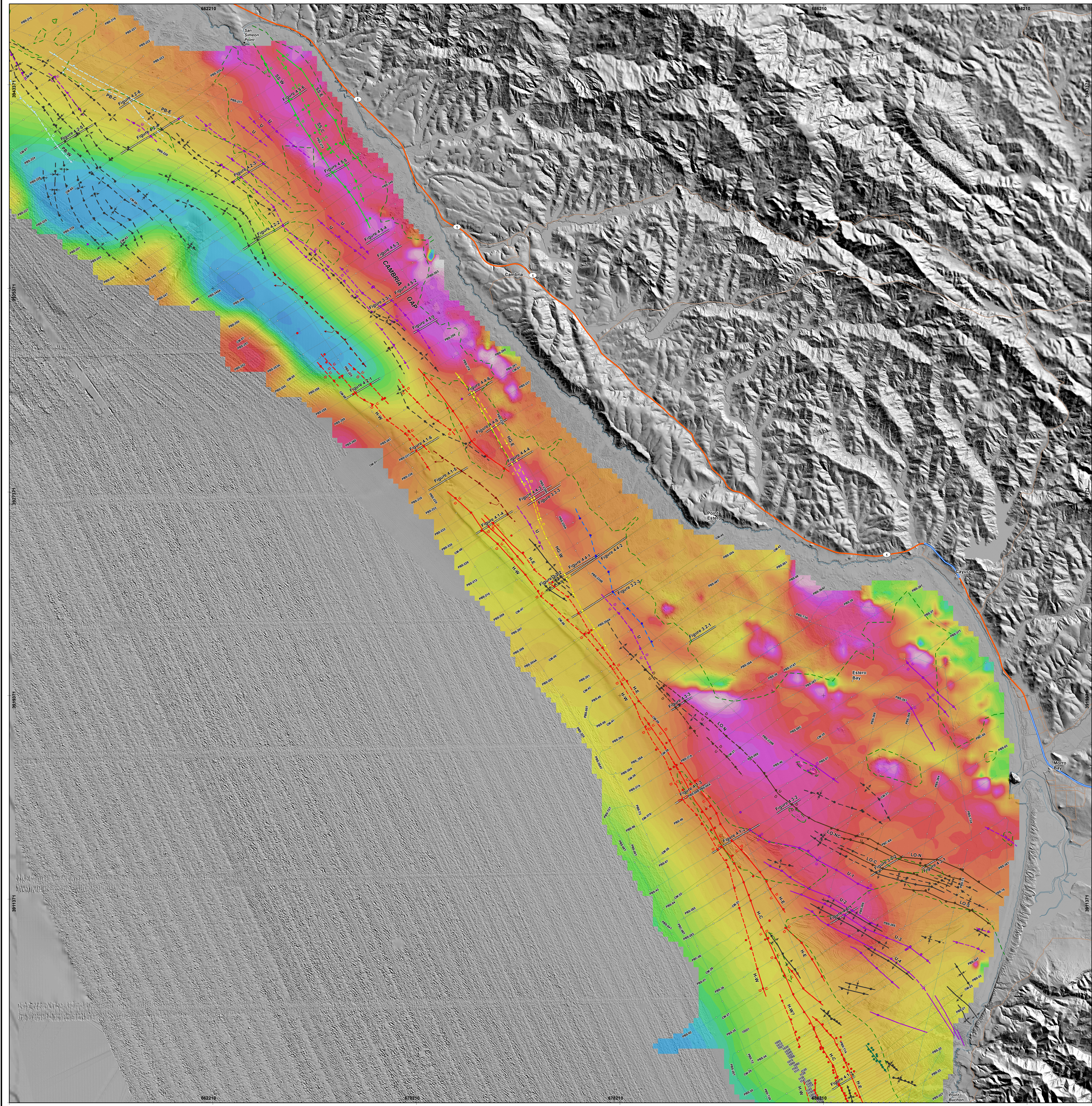


PLATE 1
Regional Bathymetry



EXPLANATION

Structures — Folds
(solid where at seafloor, dashed where buried, queried where continuity is uncertain)

- Anticline axis
- Kink fold axis
- Syncline axis

Structures — Faults
(solid where at seafloor, dashed where buried, queried where continuity is uncertain)

- Half Graben fault traces (HG-)
- Hosgni fault traces (H-)
- Los Osos fault traces (LO-)
- Piedras Blancas fault traces (PB-)
- Point Buchon fault traces
- San Simeon fault traces (SS-)
- Unassigned fault traces (U-)

Other Features

- Buried channel thalweg
- Outline or limit of seafloor bedrock outcrop

Survey Navigation Lines

- Navigation station points
- 2011 Point Buchon seismic survey navigation lines (Line numbers > 1,000)
- 1986 COMAP seismic survey navigation lines (Line numbers CM-#)
- USGS 2008 seismic survey navigation lines (Line numbers PBS- <100)
- USGS 2009 seismic survey navigation lines (Line numbers PBS- >200)
- Figure extents

Marine Magnetic Anomalies

(nT)

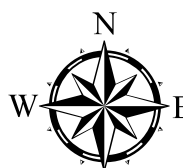
- 606.6
- 207.1
- 73.5
- 26.9
- 3.6
- 22.0
- 37.4
- 49.9
- 61.0
- 70.4
- 79.0
- 87.0
- 94.3
- 102.3
- 110.7
- 119.0
- 129.1
- 142.4
- 157.4
- 177.2
- 348.8

Abbreviations Used to Label Individual Fault Traces

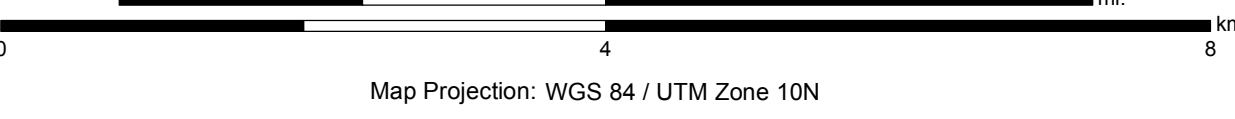
- W = Western trace
- E = Eastern trace
- S = Southern trace
- C = Central trace
- N = Northern trace
- NC = North-central trace

Base Map Features

- Coastline at mean lower low water (approximate sea level)
- Major road or highway
- Base map: Composite DEM, version 7, DCPD Geodatabase (2013)



Map Scale: 1:50,000



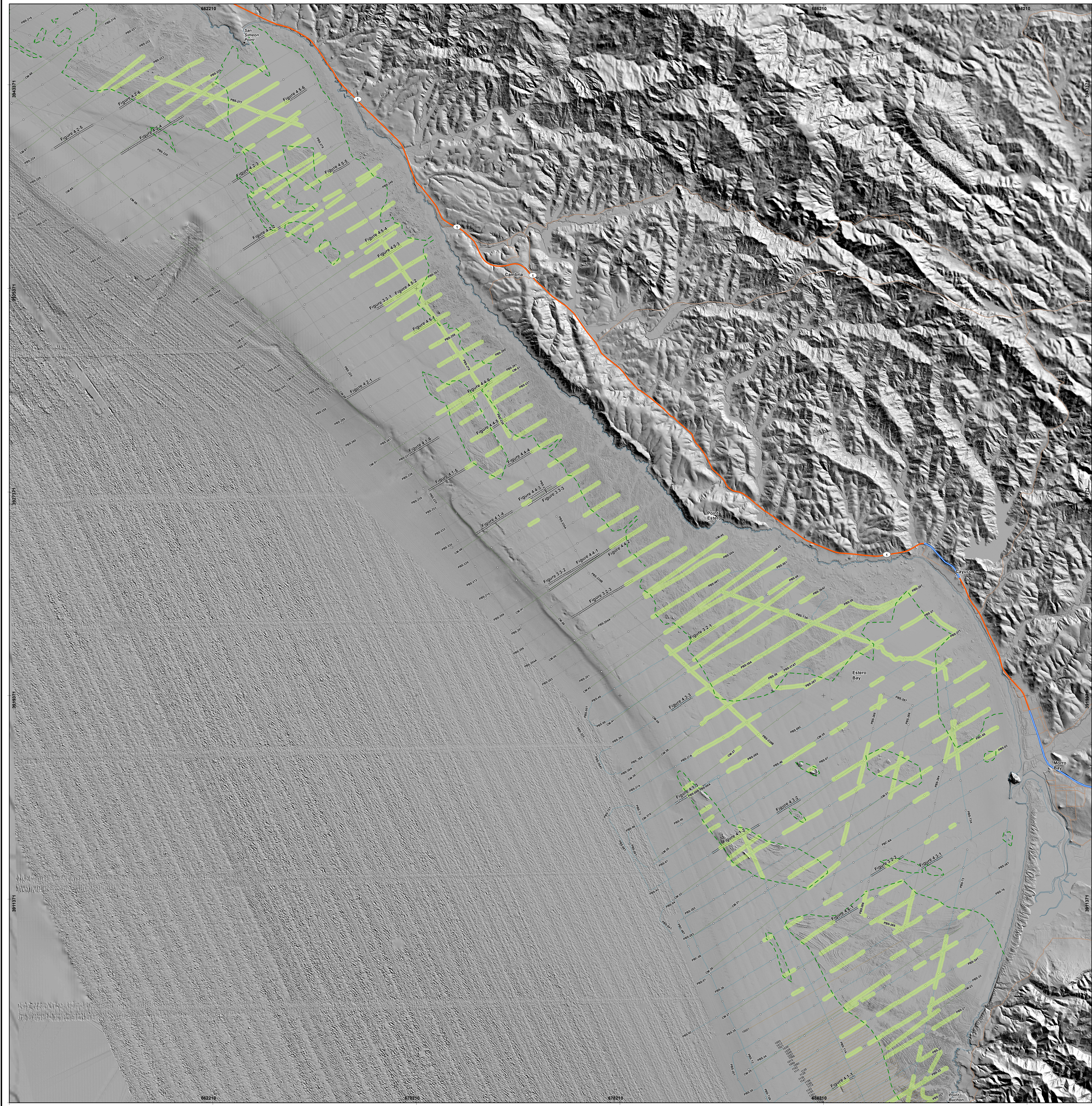
Map Projection: WGS 84 / UTM Zone 10N

PLATE 2

Regional Structural Trends and Marine Magnetic Anomalies



INTERPRETATION OF SEISMIC REFLECTION DATA
POINT BUCHON TO SAN SIMEON POINT



EXPLANATION

Structures

- Limited data areas
- Outline of bedrock outcrop

Survey Navigation Lines

- Navigation station points
- 2011 Point Buchon seismic survey navigation lines (Line numbers > 1,000)
- 1986 COMAP seismic survey navigation lines (Line numbers CM-#)
- USGS 2008 seismic survey navigation lines (Line numbers PBS- <100)
- USGS 2009 seismic survey navigation lines (Line numbers PBS- >200)
- Figure extents

Base Map Features

- Coastline at mean lower low water (approximate sea level)
- Major road or highway
- Base map: Composite DEM, version 7, DCPP Geodatabase (2013)

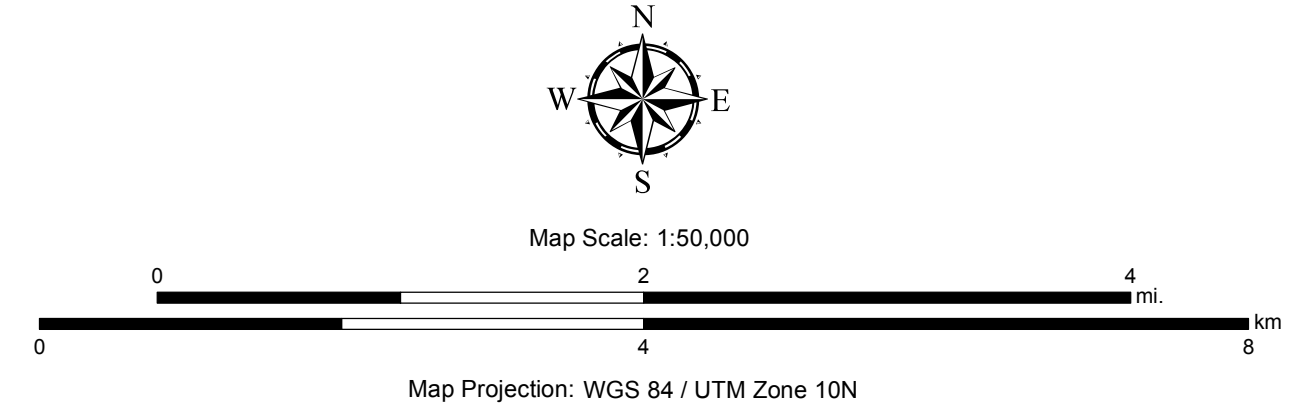
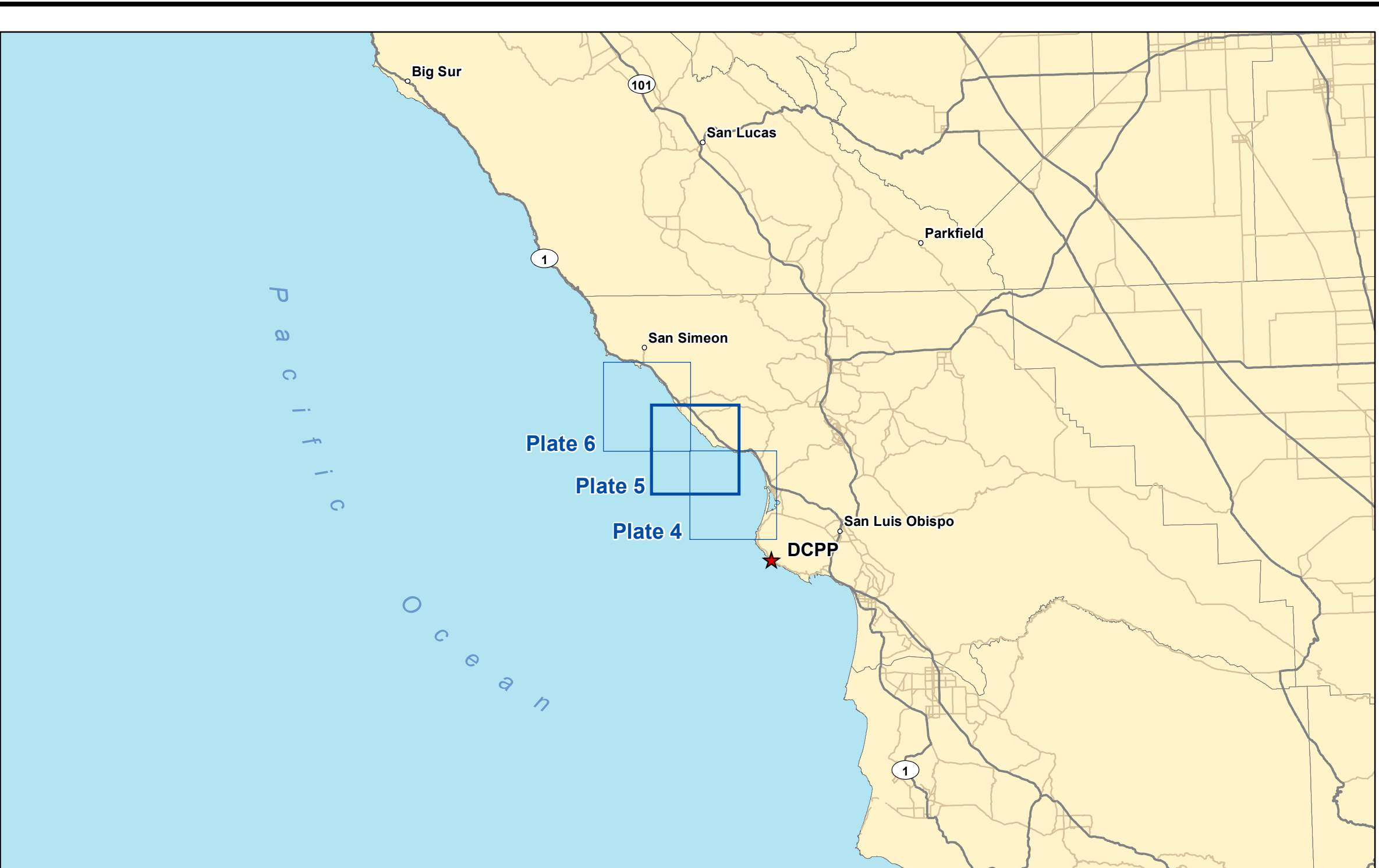
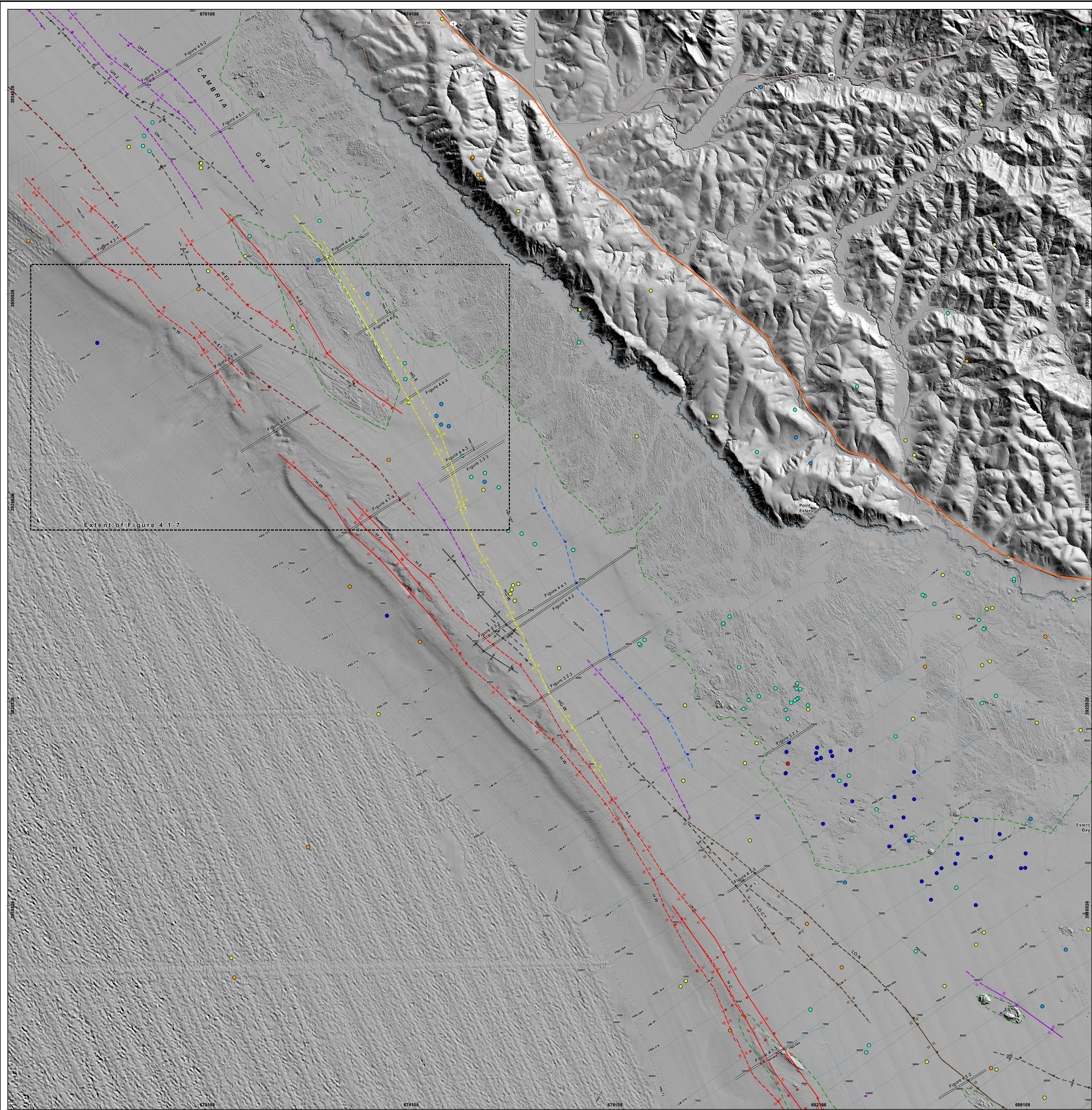


PLATE 3
Limited Data Areas

Pacific Gas and Electric Company

INTERPRETATION OF SEISMIC REFLECTION DATA
POINT BUCHON TO SAN SIMEON POINT



EXPLANATION

Structures — Folds
(solid where at seafloor, dashed where buried, queried where continuity is uncertain)

- Anticline axis
- Kink fold axis
- Syncline axis

Structures — Faults
(solid where at seafloor, dashed where buried, queried where continuity is uncertain)

- Half Graben fault traces (HG-)
- Hosgni fault traces (H-)
- Los Osos fault traces (LO-)
- Piedras Blancas fault traces (PB-)
- Point Buchon fault traces
- San Simeon fault traces (SS-)
- Unassigned fault traces (U-)

Other Features

- Buried channel thalweg
- Outline or limit of seafloor bedrock outcrop

Survey Navigation Lines

- Navigation station points
- 2011 Point Buchon seismic survey navigation lines (Line numbers > 1,000)
- 1986 COMAP seismic survey navigation lines (Line numbers CM-#)
- USGS 2008 seismic survey navigation lines (Line numbers PBS- <100)
- USGS 2009 seismic survey navigation lines (Line numbers PBS- >200)
- Figure extents

Earthquake Catalog
(depth in km)

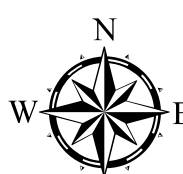
- < 2.0
- 2.1 to 4.0
- 4.1 to 6.0
- 6.1 to 8.0
- 8.1 to 10.0
- > 10.1

Abbreviations Used to Label Individual Fault Traces

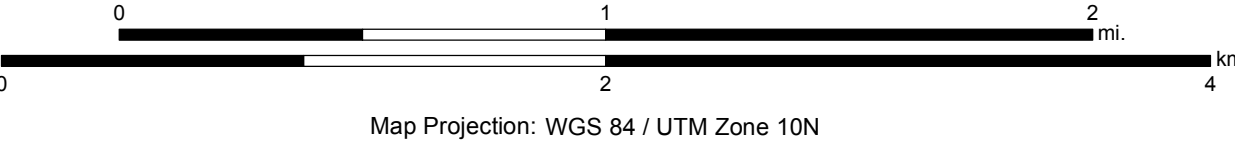
- W = Western trace
- E = Eastern trace
- S = Southern trace
- C = Central trace
- N = Northern trace
- NC = North-central trace

Base Map Features

- Coastline at mean lower low water (approximate sea level)
- Major road or highway
- Base map: Composite DEM, version 7, DCPD Geodatabase (2013)



Map Scale: 1:25,000



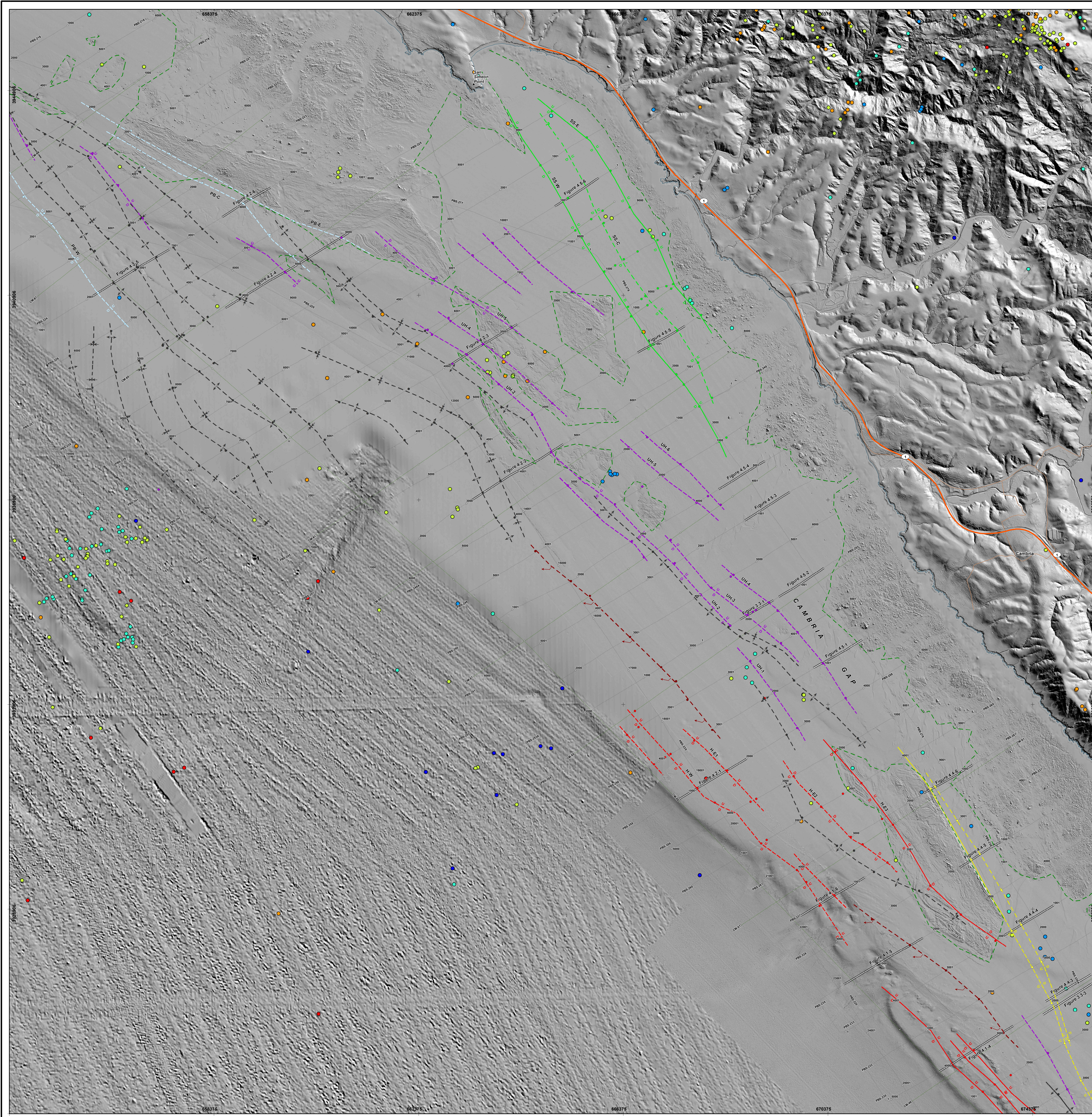
Map Projection: WGS 84 / UTM Zone 10N

PLATE 5
Central Area Structural Trends



Pacific Gas and Electric Company

INTERPRETATION OF SEISMIC REFLECTION DATA
POINT BUCHON TO SAN SIMEON POINT



EXPLANATION

Structures — Folds

(solid where at seafloor, dashed where buried, queried where continuity is uncertain)

- Anticline axis
- Kink fold axis
- Syncline axis

Structures — Faults

(solid where at seafloor, dashed where buried, queried where continuity is uncertain)

- Half Graben fault traces (HG-)
- Hosgrri fault traces (H-)
- Los Osos fault traces (LO-)
- Piedras Blancas fault traces (PB-)
- Point Buchon fault traces
- San Simeon fault traces (SS-)
- Unassigned fault traces (U-)

Other Features

- Buried channel thalweg
- Outline or limit of seafloor bedrock outcrop

Survey Navigation Lines

- Navigation station points
- 2011 Point Buchon seismic survey navigation lines (Line numbers > 1,000)
- 1986 COMAP seismic survey navigation lines (Line numbers CM-#)
- USGS 2008 seismic survey navigation lines (Line numbers PBS- <100)
- USGS 2009 seismic survey navigation lines (Line numbers PBS- >200)
- Figure extents

Earthquake Catalog

(depth in km)

- < 2.0
- 2.1 to 4.0
- 4.1 to 6.0
- 6.1 to 8.0
- 8.1 to 10.0
- > 10.1

Abbreviations Used to Label Individual Fault Traces

- | | | |
|-------------------|--------------------|--------------------------|
| W = Western trace | E = Eastern trace | S = Southern trace |
| C = Central trace | N = Northern trace | NC = North-central trace |

Base Map Features

- Coastline at mean lower low water (approximate sea level)
- Major road or highway
- Base map: Composite DEM, version 7, DCPD Geodatabase (2013)

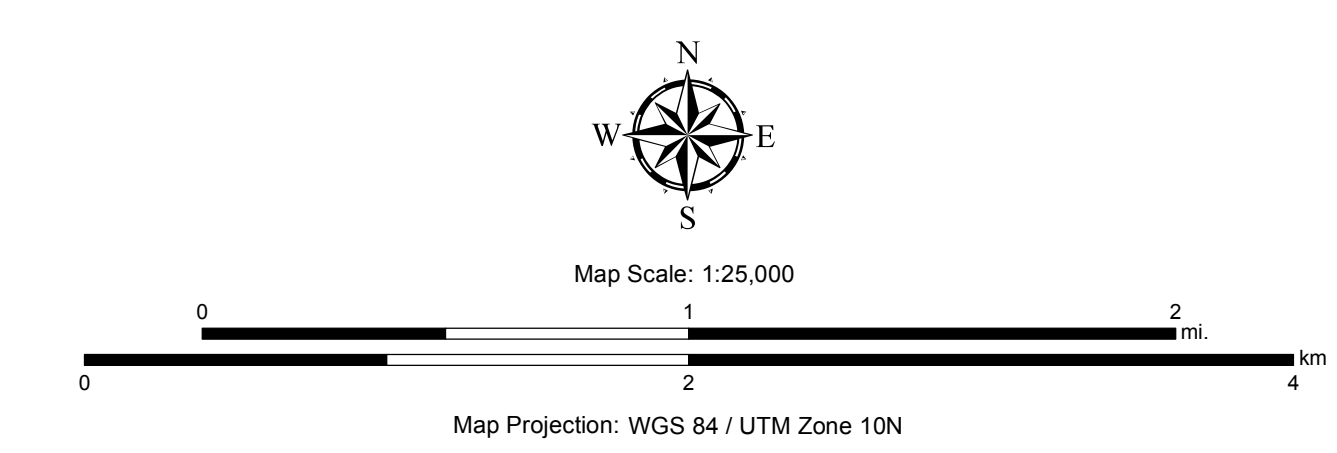
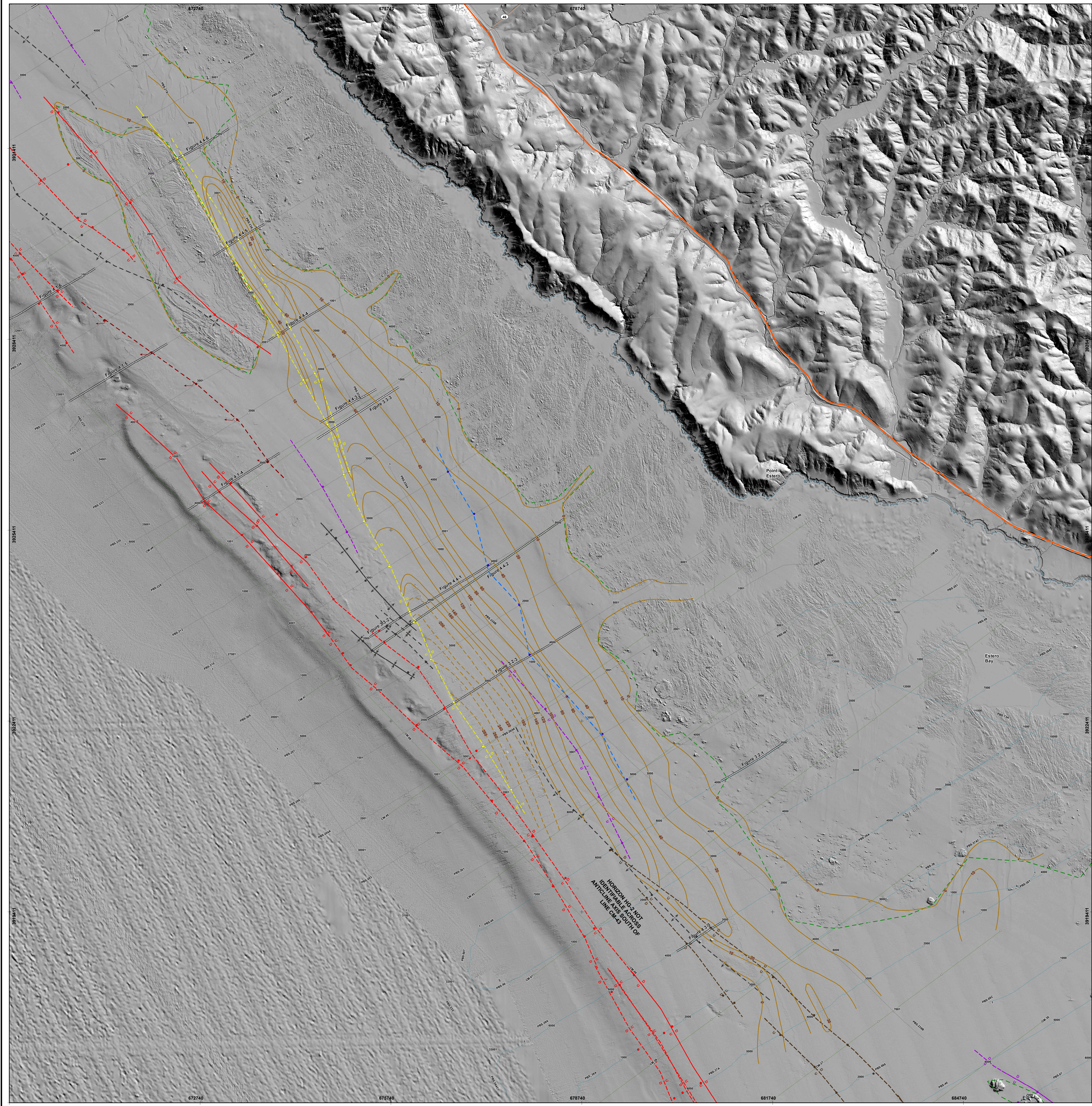


PLATE 6

Northern Area Structural Trends



EXPLANATION

Structures — Folds
(solid where at seafloor, dashed where buried, queried where continuity is uncertain)

- Anticline axis
- Kink fold axis
- Syncline axis

Structures — Faults
(solid where at seafloor, dashed where buried, queried where continuity is uncertain)

- Half graben fault traces (HG-)
- Hogri fault traces (H-)
- Los Osos fault traces (LO-)
- Piedras Blancas fault traces (PB-)
- Point Buchon fault traces
- San Simeon fault traces (SS-)
- Unassigned fault traces (U-)

Other Features

- Buried channel thalweg
- Outline or limit of seafloor bedrock outcrop

Survey Navigation Lines

- Navigation station points
- 1986 COMAP seismic survey navigation lines (Line numbers CM-#)
- USGS 2008 seismic survey navigation lines (Line numbers PBS- <100)
- USGS 2009 seismic survey navigation lines (Line numbers PBS- >200)
- Figure extents

Sediment Thickness Along Half Graben Fault

(solid where HG-2 mapped from high-resolution USGS seismic data, dashed where interpreted from deeper-penetration 1986 COMAP survey data)

- Contours indicate thickness of sediment in meters above
- Unconformities HG-2 and HG-1 where HG-2 is absent

Base Map Features

- Coastline at mean lower low water (approximate sea level)
- Major road or highway
- Base map: Composite DEM, version 7, DCPP Geodatabase (2013)



Map Scale: 1:20,000



Map Projection: WGS 84 / UTM Zone 10N

PLATE 7 Sediment Thickness Along Half Graben Fault



INTERPRETATION OF SEISMIC REFLECTION DATA
POINT BUCHON TO SAN SIMEON POINT