

Geologic and Bathymetric Reconnaissance Overview of the San Pedro Shelf Region, Southern California

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San Gabriel Canyon Paleo-Valley and Associated Drainage Basins

SOURCES OF DATA

For San Pedro Shelf:

K-2-73-SC

Metadata URL: <http://walrus.wr.usgs.gov/infobank/k/k273sc/html/k-2-73-sc.meta.html>

Uniboom plus 120-kiloJoule sparker lines:

431, 433, 437, 437B, 441, 445, 449, 450, 451, 453, 455, 457, 459, 462, 464, 465, 466, 468, 470, 528, 530

Uniboom lines: 443, 472

120-kJ sparker lines: 452, 454, 456, 458, 460, 467

Uniboom vellum copy rolls:

13, 14, 15

120-kJ sparker vellum copy rolls:

13, 14, 15

Uniboom original rolls:

21, 22, 26, 27, 28, 29, 33

120-kJ sparker original rolls:

11, 12

For Palos Verdes Fault Zone and drainage patterns in and near harbor area:

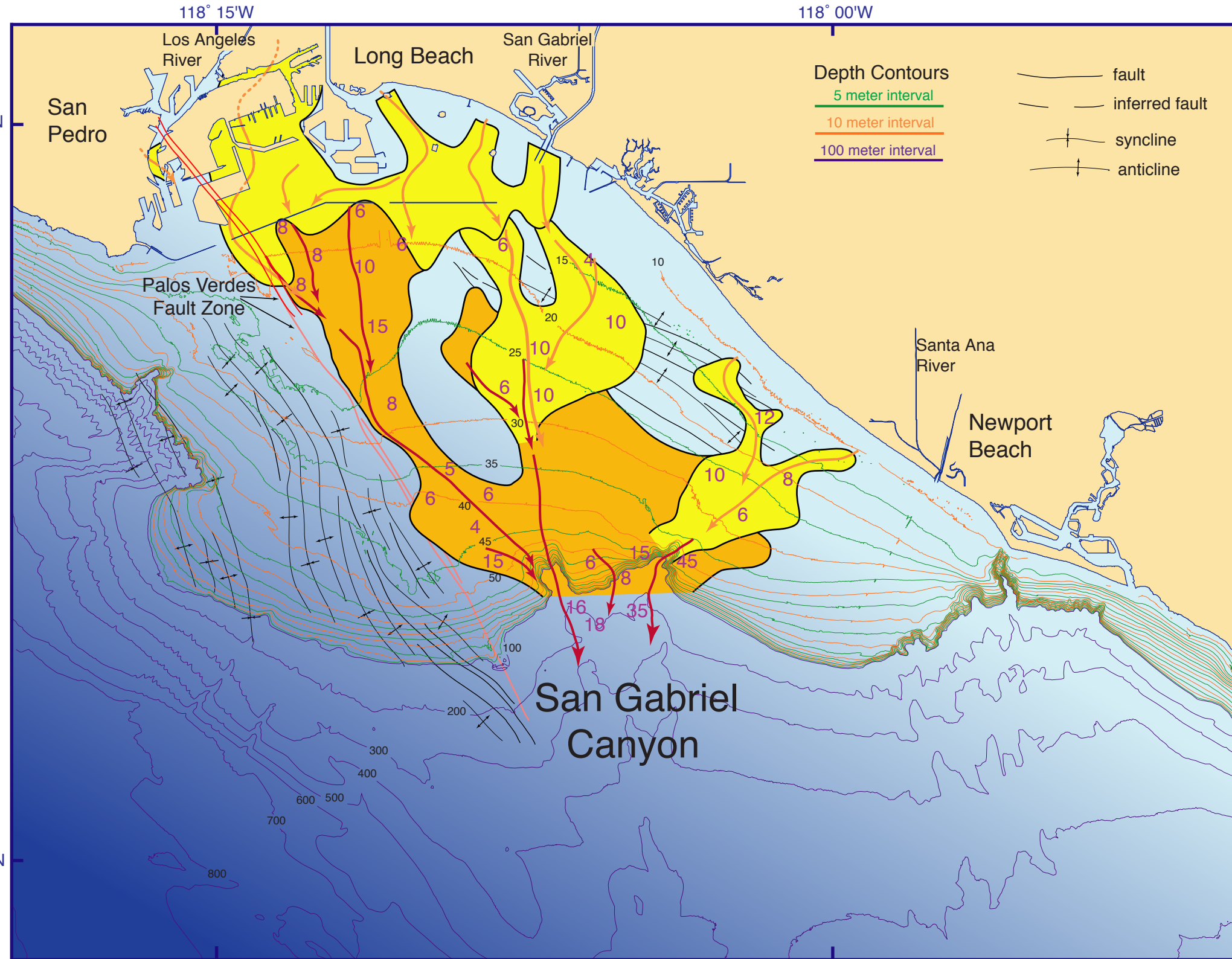
A-1-00-SC

Metadata URL: <http://walrus.wr.usgs.gov/infobank/a/a100sc/html/a-1-00-sc.meta.html>

Geopulse lines: 403, 800, 802, 806, 816, 817, 818, 821, 835, H800A, H801A, H802A, H803A, H809, H810, H815, H817A, H819, H819A, H820, H820A, H821A, H822, H823, H823A, H824, H825, H826, H836, H837, H838, H899A, transit H821A-822

Minisparker lines:

401M, 802AM, 802M, 813AX, 815AM, 840, 841, H800B, H802B, H805M, H806M, H807, H808, H808M, H809M, H809MD, H811A, H812A, H812M, H812M, H813, H814, H817B, H829A, H839, H899B



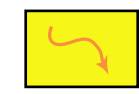
Depth Contours


5 meter interval

10 meter interval

100 meter interval

- fault
- - - inferred fault
- + + + syncline
- + - anticline

 recent drainage pattern and axis of feeder channels

 older drainage pattern and axis of feeder channels

10 numbers represent approximate thickness of sediment fill in meters

OFR References

For shaded relief and bathymetry where shown: Gardner, James V., and Peter Dartnell, 2002, Multibeam Mapping of the Los Angeles, California, Margin, U.S. Geological Survey Open-File Report OF02-162 <http://geopubs.wr.usgs.gov/open-file/of02-162/>

For Cabrillo Fault, Palos Verdes Fault Zone onshore, and bedrock sample locations and ages offshore where shown: Jennings, C.W., compiler, 1962, Geologic Atlas of California: Long Beach, California Division of Mines and Geology GAM-007, scale 1:250,000 (reprinted 1992)

The authors gratefully acknowledge the work of Michael Hamer to prepare shaded relief, coastline and bathymetric map bases, and of Florence Wong to upgrade the bathymetric contours and prepare the metadata.

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