

File Path: N:Projects/04_2013/04_2922_4500_PGESeismicDataInterpretation/Outputs/2014_04_20_LESSStudiesRev3/mxdFigure_1-1_RegionalMapof3D_mxd; Date: 07/27/2014; User: Ranon Dulberg, Fugro; Rev. 3







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Based (on Ha	all (1973) and PG&E (20	011)			Modifie	∋d from	Willingham et a	. (2013)		ſ	
_		Pismo F	Basin		Offs	hore Santa	Maria Basin			Onshore Sa	nta Maria Ba	u	Figure stat
M	a a	Age	Rock units		Ma	Age	Rock units	Horizons		Rock units	Age	Ma	
0.01	115	Holocene	Dunes and alluvium		0- 0.0115	Holocene	marine silt and clay			Dunes and alluvium	Holocene	0- 0.0115	a a a a a a a a a a a a a a a a a a a
5	رت T	leistocene	Marine terraces and older alluvium	c	د د	Pleistocene	unnamed	H H H H H H H H H H H H H H H H H H H	2	Marine terraces, Orcutt Sand, and older alluvium	Pleistocene	L	Constant And Const
-3.0-	3.3	late Pliocene	Belleview			late Pliocene	unnamed	<u>8</u>	200	Careaga sandstone	late Pliocene	G .2	and a second sec
~4.	Ņ	early Pliocene	Pismo Fo (upp Member Aember	,	~5.1-5.5	early Pliocene	Sisquoc Formation (upper part))	È	Foxen Mudstone	early and late Pliocene	3.5	Terriary Basins and Simplified Regional Faults
0.6	<u>ل</u>	late	Plower)			late	Sisquoc Formation (lower part)			Sisquoc Formation	early Pliocene and late Miocene		EXPLANATION Approximate boundary of Tertiary basin
10	4.	Miocene	Pismo Member	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	6.7	Miocene))))	late Miocene	5	Unconformities study f H10 - H48 and T05
		:			- 11.5		Monterey Formation			Monterey Formation			The second secon
10.5	4 ^ل	Miocene	Monterey Formation			middle Miocene					middle Miocene		Millingfacts Mi
					- 16.8		Point Sal Formation			Point Sal Formation		-16.0-	
15.5	ы Ч	early Miocene	Formation Rincon Formation	c	~17.5-	early Miocene	Obispo		Anonmarine	Obispo Formation Lospe Formation Tranquillon	early Miocene	23.0	Trault racks moolie or nome to mome the mome variom are attemptive requires Forecast version 3 (UCERFS), fault model version 3.1 (Dawson et al., 2012, draft received from author). Generalized trends of active contrac- tional structures in the offshore and the offshore Santa Lucia Bank fault are based on Lettis et al. (2004), pallet 1. 2. Fault names in skerch map are as follows: SAF, San Andreas Fault;
23-	<u>k</u>	Dligocene	Vaqueros Formation		34-65	Eocene and Paleocene	remnants of sedimentary and volcanic rocks	}	IPM		Eocene and Paleocene	34-65	RF, Rincomada fault SJ, Sao Juan fault in KM, Morales (west) fault LP. La Parza fault. SS. South Cuyama fault. EH, Eavl Hansan fault. (WH, Oceane-West Huasna fault. SS. San Simmon fault. H-FZ. Hosgi fault core: LOF. Los Soos fault. WH: Winmar Anoune fault. PF. Little Phe fault. OF. Cosano fault SL. Shoreline fault CF. Casamalia fault. HFF.
8	, o	tretaceous and Jurassic	Franciscan Complex (includes serpertine)		65+	Cretaceous and Jurassic	primarily Franciscan Complex, with possible remants of Great Valley Sequence and Coast Range)		Great Valley Sequence, Coast Range ophiolite, and Franciscan Complex	Cretaceous and Jurassic		Lons Head fault; SYR, Santa Ynez River fault; SYW, Santa Ynez (west) fault; SLB; Santa Lucia Bank fault. 3. Thine scales in stratigraphic columns are not linear. Sources: - Stratigraphic columns for Santa Maria Basin from Willinghamet al. (2013). - Stratigraphic column for Pismo Basin from PG&E (2011) and Half (1973).
							ophiolite reported in a few wells						Generalized Stratigraphic Columns
													for the Project Study Areas



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File path: N:Projects/04_2013/04_7922_4500_PGESelamicPathetional/Outputs/2014_04_202_0_LESSS1udiesRev3a/34)/Figure_2-2_FrequencySpectrum.ai; Date: 05/15/2014; User Bryan Bergkamp; Fugor; Rev.3



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Sources: -Project DEM compilation v2013.07. -Traces of Point Buchon fault from PG&E (2012). -USGS seismic-reflection data (Silter et al., 2009). -Fugro 2D and 3D seismic-reflection data (2012).

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Figure 6-4

OFFSHORE LESS STUDIES

Pacific Gas and Electric Company





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File Path: N:Projects/04_2013/04_292_4500_PGESesimicDataInterpretation/Outputs/2014_04_20_EESSStudiesRev3/inxdi/Figure_6-30_Line1020.inxd; Date 7/17/2014; User: Ranon Dublerg, Fugro: Rev3









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File path: Ni/Projects/04 2013/04 7922 4500 PGESeismic/DataInterpretation/Outputs/2014 04 20 LESSStudiesRev3/ai/Figure 7-1 SLB OffshoreStrat/Column.ai; Date: 05/11/2014; User: Bryan Bergkamp, Fugro; Rev.3



File Path: N:Projects/04_2013/04_7922_4500_PGESetamicDataInterpretation/Outputs/2014_04_20_ESSS1udiesRev3mxdFlgure_7-2_Bedrock_Similarity.mxd; Date: 6/30/2014; User: Ranon Dulberg, Fugre; R



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File Path: N:Projects04_201304_222_460_DESessinCbataInterpretation/Outputs2014_04_20_ESSSNuelesRev3mxdFigure_9_FaultActivitySeismicity.mxd: Date: 7/17/2014; User: Robert Dame, Figor; Rev3