

**California Marine Life Protection Act Initiative  
Central Coast Project**

**Candidate MPA Package 3**

**OVERVIEW OF CANDIDATE MPA PACKAGES**

**Package Name: CCRSG PACKAGE 3**

<b>Type of MPA</b>	<b># Proposed</b>	<b>Area (sq. mi)</b>	<b>% of Study Region</b>
<b>State Marine Reserve</b>	16	61.19	5.32%
<b>State Marine Park</b>	3	7.54	0.66%
<b>State Marine Conservation Area</b>	13	108.53	9.44%
<b>All MPAs combined</b>	32	177.26	15.41%

**Individual MPAs in Package:**

Ano Nuevo State Marine Reserve (6.93 sq. mi.)	Point Lobos State Marine Conservation Area (7.43 sq. mi.)
Ano Nuevo State Marine Conservation Area (10.43 sq. mi.)	Point Sur State Marine Reserve (5.77 sq. mi.)
Natural Bridges Intertidal State Marine Reserve (0.47 sq. mi.)	Point Sur State Marine Conservation Area (9.66 sq. mi.)
Opalcliffs State Marine Park (0.22 sq. mi.)	Expanded Big Creek State Marine Reserve (25.2 sq. mi.)
Soquel Canyon State Marine Conservation Area (16.03 sq. mi.)	Piedras Blancas State Marine Reserve (7.9 sq. mi.)
Elkhorn State Marine Reserve (1.53 sq. mi.)	Piedras Blancas State Marine Conservation Area (10.45 sq. mi.)
Moro Cojo State Marine Reserve (0.78 sq. mi.)	Cambria State Marine Park (7.06 sq. mi.)
Portuguese Ledge State Marine Conservation Area (6.41 sq. mi.)	Cambria State Marine Conservation Area (2.54 sq. mi.)
Ed Ricketts State Marine Reserve (0.11 sq. mi.)	Estero Bluff State Marine Park (0.26 sq. mi.)
Ed Ricketts State Marine Conservation Area (0.09 sq. mi.)	Morro State Marine Conservation Area (2.19 sq. mi.)
Expanded Hopkins State Marine Reserve (0.35 sq. mi.)	Morro South State Marine Reserve (0.79 sq. mi.)
Pacific Grove State Marine Conservation Area (0.39 sq. mi.)	Morro East State Marine Reserve (0.32 sq. mi.)
Pacific Grove State Marine Reserve (0.84 sq. mi.)	Point Buchon State Marine Reserve (2.88 sq. mi.)
Pinnacles State Marine Reserve (1.25 sq. mi.)	Point Buchon State Marine Conservation Area (9.06 sq. mi.)
Carmel Bay State Marine Conservation Area (1.37 sq. mi.)	Vandenberg State Marine Conservation Area (32.49 sq. mi.)
Point Lobos State Marine Reserve (3.88 sq. mi.)	Vandenberg State Marine Reserve (2.18 sq. mi.)

# CCRSG Package 3: North Central Coast Study Region

## Marine Life Protection Act



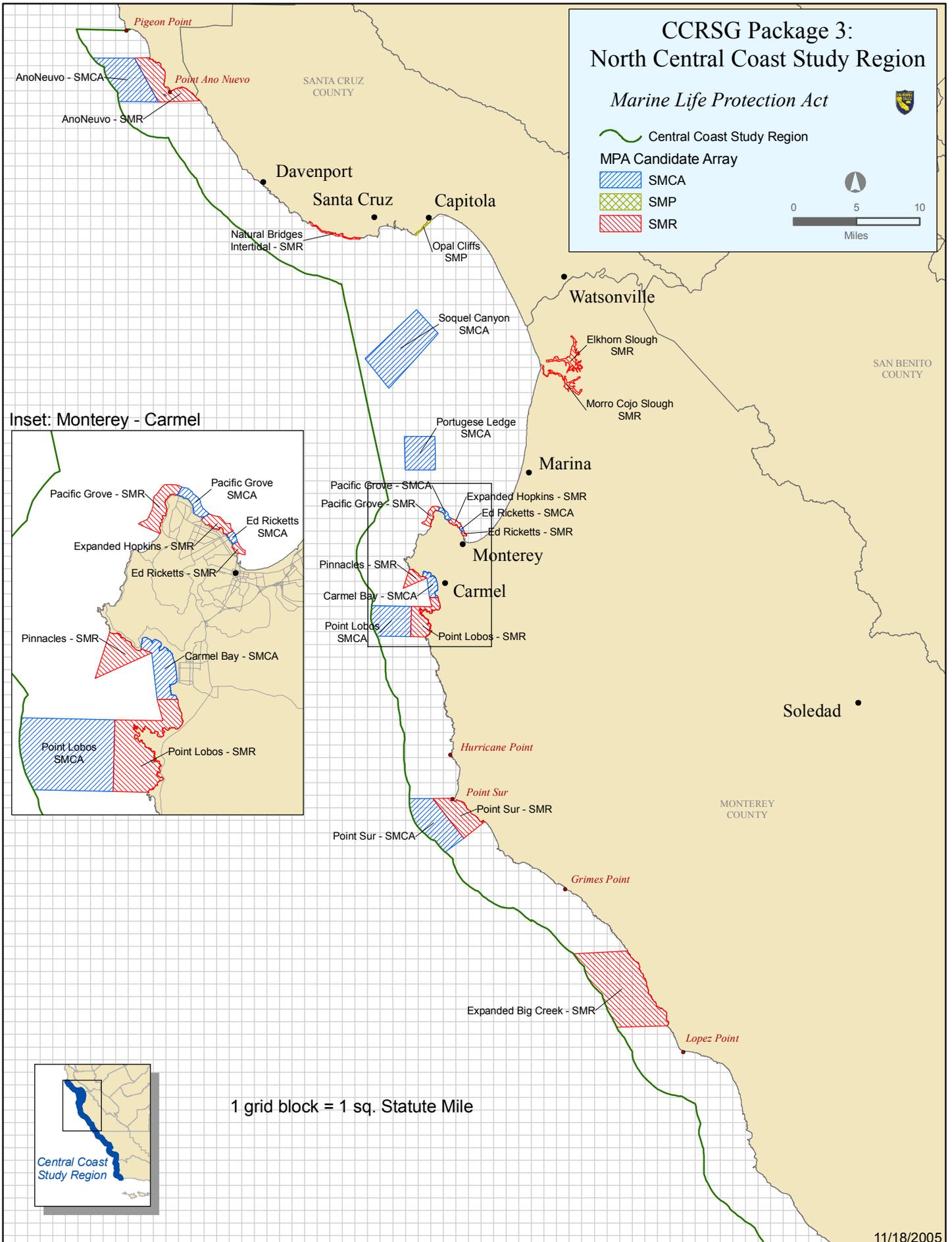
Central Coast Study Region

MPA Candidate Array

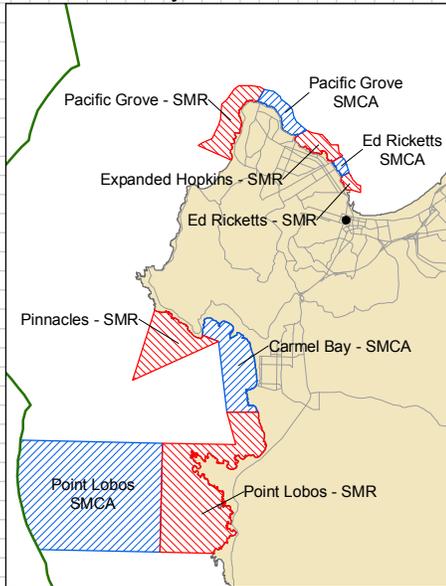
SMCA

SMP

SMR



### Inset: Monterey - Carmel



1 grid block = 1 sq. Statute Mile



# CCRSG Package 3: South Central Coast Study Region

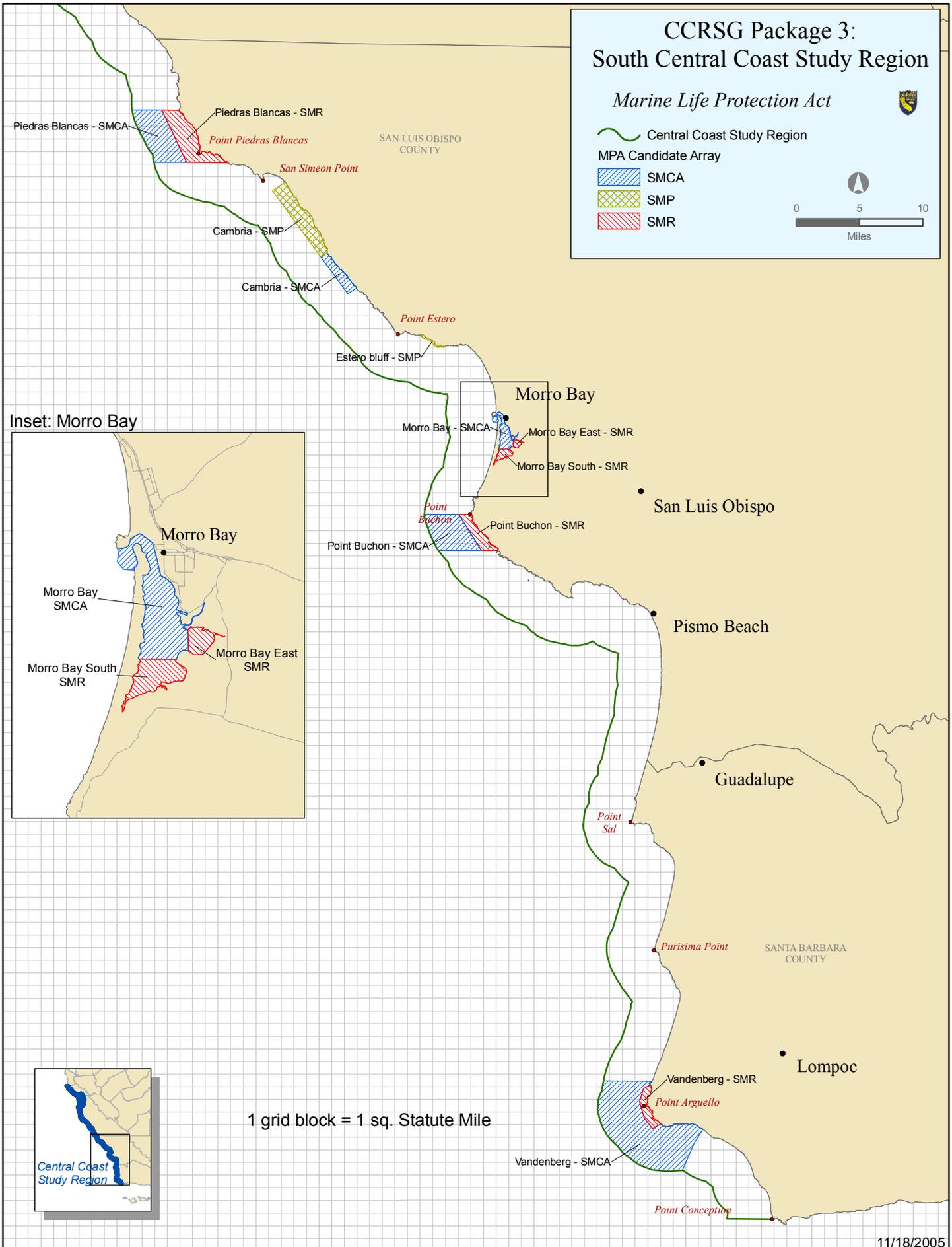
## Marine Life Protection Act



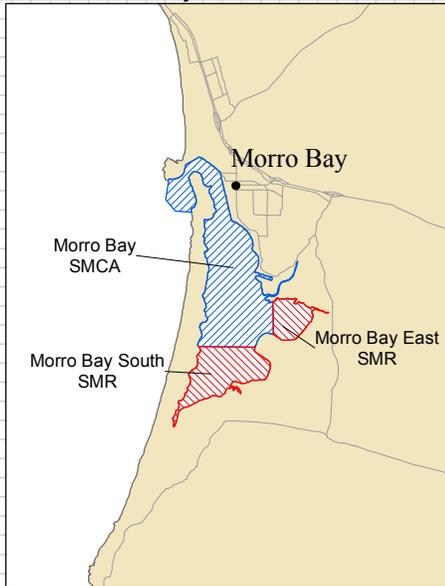
Central Coast Study Region

MPA Candidate Array

-  SMCA
-  SMP
-  SMR



Inset: Morro Bay



1 grid block = 1 sq. Statute Mile



**Summary of Marine Protected Areas (MPAs) within Candidate MPA Package 3**

**Number and Type of MPAs in Package:** 17 State Marine Reserves (SMRs), 2 State Marine Parks (SMPs), 13 State Marine Conservation Areas (SMCAs), TOTAL: 32 MPAs

**Total Area of MPAs in Package (sq. mi.): 177.26**

<b>MPA Name (concept file name)</b>	<b>Area (sq. mi.)</b>	<b>Alongshore span (mi)</b>	<b>Modification to Existing Central Coast MPA or new MPA?</b>	<b>Allowed/ Disallowed Uses</b>	<b>Regional Goals, Objectives, and Design Criteria toward which this MPA contributes</b>
HG_AnoNuevo_SMR	6.93	5.7	Modification of Existing MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_AnoNuevo_SMCA	10.43	5.7	New MPA	Salmon only	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_NaturalBridgesIntertidal_SMR	0.47	4.3	New MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9

MPA Name (concept file name)	Area (sq. mi.)	Alongshore span (mi)	Modification to Existing Central Coast MPA or new MPA?	Allowed/ Disallowed Uses	Regional Goals, Objectives, and Design Criteria toward which this MPA contributes
HG_Opalcliffs_SMP	0.22	1.7	New MPA	Allows shore fishing	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_SoquelCanyon_SMCA	16.03	6.6	New MPA	Allows salmon, spot prawn	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2 Goal 4 – 1, 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_Eikhorn_SMR	1.53	7	Modification?	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2, 4 Goal 4 – 1, 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_MoroCojo_SMR	0.78	8.2	New MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2, 4 Goal 4 – 1, 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9

MPA Name (concept file name)	Area (sq. mi.)	Alongshore span (mi)	Modification to Existing Central Coast MPA or new MPA?	Allowed/ Disallowed Uses	Regional Goals, Objectives, and Design Criteria toward which this MPA contributes
HG_PortugueseLedge_SM CA	6.41	3.5	New MPA	Allows salmon and spot prawn	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_EdRicketts_SMR	0.11	0.4	New MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_EdRicketts_SMCA	0.09	0.4	New MPA	Hand take of kelp only	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_ExpandedHopkins_SMR	0.35	1	Modification of Existing MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9

<b>MPA Name (concept file name)</b>	<b>Area (sq. mi.)</b>	<b>Alongshore span (mi)</b>	<b>Modification to Existing Central Coast MPA or new MPA?</b>	<b>Allowed/ Disallowed Uses</b>	<b>Regional Goals, Objectives, and Design Criteria toward which this MPA contributes</b>
HG_PacificGrove_SMCA	0.39	1.2	Modification of Existing MPA	Allow hand harvest of kelp, recreational fishing, no poke pole fishing, no invertebrate collection	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_PacificGrove_SMR	0.84	1.7	New MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_Pinnacles_SMR	1.25	1.5	Modification of Existing MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2, 4 Goal 4 – 1, 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_CarmelBay_SMCA	1.37	2.4	Modification of Existing MPA	Allows recreational finfish and kelp harvest	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9

MPA Name (concept file name)	Area (sq. mi.)	Alongshore span (mi)	Modification to Existing Central Coast MPA or new MPA?	Allowed/ Disallowed Uses	Regional Goals, Objectives, and Design Criteria toward which this MPA contributes
HG_PointLobos_SMR	3.88	4.9	Modification of Existing MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2, 4 Goal 4 – 1, 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_PointLobos_SMCA	7.43	2.4	New MPA	Allows salmon, spot prawn	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_PointSur_SMR	5.77	3.2	New MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 2 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_PointSur_SMCA	9.66	3.2	New MPA	Salmon only	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 2 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9

MLPA Blue Ribbon Task Force  
November 29-30, 2005 Meeting  
Summary of MPAs within Candidate MPA Package 3

MPA Name (concept file name)	Area (sq. mi.)	Alongshore span (mi)	Modification to Existing Central Coast MPA or new MPA?	Allowed/ Disallowed Uses	Regional Goals, Objectives, and Design Criteria toward which this MPA contributes
HG_ExpandedBigCreek_SMR	25.2	6.7	Modification of Existing MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 2 Goal 4 – 1, 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_PiedrasBlancas_SMR	7.9	6.2	New MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_PiedrasBlancas_SMCA	10.45	6.2	New MPA	Salmon only	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_Cambria_SMP	7.06	6.6	New MPA	Recreational fishing only	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9

MPA Name (concept file name)	Area (sq. mi.)	Alongshore span (mi)	Modification to Existing Central Coast MPA or new MPA?	Allowed/ Disallowed Uses	Regional Goals, Objectives, and Design Criteria toward which this MPA contributes
HG_Cambria_SMCA	2.54	3.6	New MPA	No rockfish, or wetfish take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_EsteroBluff_SMP	0.26	2.1	New MPA	No invertebrate take, shore fishing only	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2, 4 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_Morro_SMCA	2.19	7.6	New MPA	Allows mariculture and recreational fishing	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_MorroSouth_SMR	0.79	3.6	New MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9

MPA Name (concept file name)	Area (sq. mi.)	Alongshore span (mi)	Modification to Existing Central Coast MPA or new MPA?	Allowed/ Disallowed Uses	Regional Goals, Objectives, and Design Criteria toward which this MPA contributes
HG_MorroEast_SMR	0.32	1.5	New MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_PointBuchon_SMR	2.88	3.5	New MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 1, 2 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_PointBuchon_SMCA	9.06	3.5	New MPA	Allow salmon only	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 1, 2 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9

MPA Name (concept file name)	Area (sq. mi.)	Alongshore span (mi)	Modification to Existing Central Coast MPA or new MPA?	Allowed/ Disallowed Uses	Regional Goals, Objectives, and Design Criteria toward which this MPA contributes
HG_Vandenberg_SMCA	32.49	7.7	New MPA	Allow salmon fishing only, crab, and shore fishing  *An MPA within the Vandenberg AFB operations/training area may not be inconsistent with United States military activities deemed mission critical by the United States military.	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2, 3 Goal 3 – 2 Goal 4 – 2 Goal 5 – 1, 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
HG_Vandenberg_SMR	2.18	3.8	Modification of Existing MPA	No take	Goal 1 – 1, 2, 3, 4, 5 Goal 2 – 1, 2 Goal 3 – 2 Goal 4 – 2 Goal 5 – 3 Design Considerations: 1, 2, 3, 4, 5, 6, 7, 8, 9
<b>Abbreviations:</b> MPA: Marine Protected Area SMR: State Marine Reserve SMP: State Marine Park SMCA: State Marine Conservation Area					

DRAFT ANALYSIS OF CANDIDATE MPA PACKAGE #3

	<i>How measured?</i>	<i>Total amount in Region</i>	<i>Total percent of Region</i>	<i>Amount in State Marine Reserves</i>	<i>Percent of Total in SMRs</i>	<i>Amount in State Marine Parks</i>	<i>Percent of Total in SMPs</i>	<i>Amount in State Marine Conservation Area</i>	<i>Percent of Total in SMCAs</i>	<i>Amount in all proposed MPAs in region</i>	<i>Percent of Total in existing MPAs</i>	<i>Spatial Data Source</i>
<b>Area</b>	<b>Area (mi<sup>2</sup>)</b>	1150.01	100%	61.19	5.32%	7.54	0.66%	108.53	9.44%	177.26	15.41%	GIS analysis
<b>Number of MPAs</b>	<b>Count</b>	32	NA	16	50%	3	9.38%	13	40.63%			GIS analysis
<b>HABITATS</b>												
<b>Intertidal</b>												
Sandy or gravel beaches	<b>Linear (mi)</b>	223.66	52.3%	29.75	13.30%	9.61	4.30%	9.88	4.42%	49.24	22.01%	NOAA-ESI 2002
Rocky intertidal and cliff	<b>Linear (mi)</b>	209.21	48.9%	48.65	23.25%	7.52	3.59%	11.28	5.39%	67.45	32.24%	NOAA-ESI 2002
Coastal marsh	<b>Linear (mi)</b>	36.53	8.5%	12.51	34.23%	0.43	1.17%	3.16	8.65%	16.09	44.06%	NOAA-ESI 2002
Tidal flats	<b>Linear (mi)</b>	23.48	5.5%	9.16	39.02%	0.15	0.63%	4.37	18.61%	13.68	58.27%	NOAA-ESI 2002
<b>Seagrass beds (0-30m): Surfgrass</b>	<b>Linear (mi)</b>	161.09	37.7%	25.74	15.98%	5.74	3.56%	6.38	3.96%	37.86	23.50%	Minerals Management Service / Tenera Inc.
<b>Seagrass beds (0-30m): Eelgrass</b>	<b>Area (mi<sup>2</sup>)</b>	1.07	0.1%	0.34	32.12%	0.00	0.00%	0.72	67.35%	1.06	99.47%	Elkhorn Slough Foundation; Morro Bay National Estuary Program
<b>Estuary</b>	<b>Area (mi<sup>2</sup>)</b>	7.90	0.7%	3.30	41.77%	0.00	0.00%	2.12	26.83%	5.42	68.61%	Inventory; CNDDDB; USGS
<b>Fine-scale Soft bottom</b>												
0-30 meters	<b>Area (mi<sup>2</sup>)</b>	24.21	5.7%	2.84	11.74%	0.00	0.00%	5.71	23.58%	8.55	35.32%	Total amount is only that which has been mapped to date.
30-100 meters	<b>Area (mi<sup>2</sup>)</b>	93.72	21.9%	8.18	8.73%	0.00	0.00%	21.37	22.81%	29.56	31.54%	Total amount is only that which has been mapped to date.
100-200 meters	<b>Area (mi<sup>2</sup>)</b>	1.93	0.5%	0.41	21.36%	0.00	0.00%	0.21	10.98%	0.62	32.34%	Total amount is only that which has been mapped to date.
>200 meters	<b>Area (mi<sup>2</sup>)</b>	0.29	0.1%	0.14	48.91%	0.00	0.00%	0	0.83%	0.14	49.74%	Total amount is only that which has been mapped to date.
<b>Coarse-scale Soft bottom</b>												
0-30 meters	<b>Area (mi<sup>2</sup>)</b>	294.14	25.8%	23.83	8.10%	6.90	2.35%	14.03	4.77%	44.76	15.22%	Greene et al 2004; coarse scale data overestimates soft substrata Greene et al 2004

	<i>How measured?</i>	<i>Total amount in Region</i>	<i>Total percent of Region</i>	<i>Amount in State Marine Reserves</i>	<i>Percent of Total in SMRs</i>	<i>Amount in State Marine Parks</i>	<i>Percent of Total in SMPs</i>	<i>Amount in State Marine Conservation Area</i>	<i>Percent of Total in SMCAs</i>	<i>Amount in all proposed MPAs in region</i>	<i>Percent of Total in existing MPAs</i>	<i>Spatial Data Source</i>
30-100 meters	Area (mi <sup>2</sup> )	575.78	50.6%	12.45	2.16%	0.40	0.07%	66.94	11.63%	79.79	13.86%	Greene et al 2004
100-200 meters	Area (mi <sup>2</sup> )	58.46	5.1%	1.32	2.25%	0.00	0.00%	8.69	14.86%	10.00	17.11%	Greene et al 2004
>200 meters	Area (mi <sup>2</sup> )	105.52	9.3%	14.42	13.66%	0.00	0.00%	7.32	6.94%	21.74	20.61%	Greene et al 2004
<b>Fine-scale Rocky reef; hard bottom</b>												Fine-scale based on Kvittek et al multibeam and sidescan sonar; available for only about 25% of the region
0-30 meters	Area (mi <sup>2</sup> )	20.16	4.7%	3.44	17.06%	0.00	0.00%	1.18	5.86%	4.62	22.92%	Total amount is only that which has been mapped to date.
30-100 meters	Area (mi <sup>2</sup> )	20.59	4.8%	2.80	13.59%	0.00	0.00%	1.72	8.36%	4.52	21.95%	Total amount is only that which has been mapped to date.
100-200m	Area (mi <sup>2</sup> )	0.40	0.1%	0.05	11.24%	0.00	0.00%	0.07	16.53%	0.11	27.77%	Total amount is only that which has been mapped to date.
>200 meters	Area (mi <sup>2</sup> )	0.01	< .01%	0.00	5.07%	0.00	0.00%	0	0.51%	0.00	5.57%	Total amount is only that which has been mapped to date.
<b>Coarse-scale Rocky reef; hard bottom</b>												Greene et al 2004; coarse scale data underestimates hard substrata
0-30 meters	Area (mi <sup>2</sup> )	46.66	4.1%	3.67	7.86%	0.15	0.32%	0.94	2.02%	4.76	10.20%	Greene et al 2004
30-100 meters	Area (mi <sup>2</sup> )	26.78	2.4%	1.20	4.50%	0.00	0.00%	2.27	8.48%	3.48	12.98%	Greene et al 2004
100-200 meters	Area (mi <sup>2</sup> )	13.91	1.2%	0.04	0.29%	0.00	0.00%	5.14	36.92%	5.18	37.20%	Greene et al 2004
>200 meters	Area (mi <sup>2</sup> )	16.16	1.4%	0.05	0.30%	0.00	0.00%	2.16	13.36%	2.21	13.66%	Greene et al 2004
<b>Kelp forest</b>												
<b>1989 Kelp</b>	Area (mi <sup>2</sup> )	17.94	1.6%	3.68	20.48%	1.10	6.13%	1.15	6.40%	5.92	33.00%	1989 CDFG aerial survey
<b>1999 Kelp</b>	Area (mi <sup>2</sup> )	2.56	0.2%	0.59	22.94%	0.07	2.69%	0.13	5.13%	0.79	30.76%	1999 CDFG aerial survey
<b>2002 Kelp</b>	Area (mi <sup>2</sup> )	12.55	1.1%	3.52	28.04%	0.81	6.42%	1.35	10.75%	5.67	45.21%	2002 CDFG aerial survey
<b>2003 Kelp</b>	Area (mi <sup>2</sup> )	9.53	0.8%	2.21	23.19%	0.68	7.09%	0.62	6.49%	3.50	36.77%	2003 CDFG aerial survey
<b>Persistent Kelp</b>	Area (mi <sup>2</sup> ); present in 3 of 4 years	3.18	0.3%	0.74	23.15%	0.38	12.02%	0.26	8.30%	1.38	43.47%	Present in 3 of 4 CDFG aerial survey datasets
<b>Pinnacles *</b>												
0-30 meters	Count	76.00		*	*	*	*	*	*	*	*	Bathymetry data
30-100 meters	Count	218.00		*	*	*	*	*	*	*	*	Bathymetry data
100-200 meters	Count	27.00		*	*	*	*	*	*	*	*	Bathymetry data

	<i>How measured?</i>	<i>Total amount in Region</i>	<i>Total percent of Region</i>	<i>Amount in State Marine Reserves</i>	<i>Percent of Total in SMRs</i>	<i>Amount in State Marine Parks</i>	<i>Percent of Total in SMPs</i>	<i>Amount in State Marine Conservation Area</i>	<i>Percent of Total in SMCAs</i>	<i>Amount in all proposed MPAs in region</i>	<i>Percent of Total in existing MPAs</i>	<i>Spatial Data Source</i>
>200 meters	Count	4.00		*	*	*	*	*	*	*	*	Bathymetry data
<b>Submarine canyon</b>												
0-30 meters	Area (mi <sup>2</sup> )	0.56	0.1%	0.19	32.92%	0.00	0.00	0.00	0.00%	0.19	32.92%	Coarse-scale substrata (Greene et al 2004)
30-100 meters	Area (mi <sup>2</sup> )	4.42	0.4%	0.27	6.13%	0.00	0.00	0.52	11.78%	0.79	17.91%	Coarse-scale substrata (Greene et al 2004)
100-200 meters	Area (mi <sup>2</sup> )	6.06	0.5%	0.33	5.46%	0.00	0.00	1.17	19.33%	1.50	24.79%	Coarse-scale substrata (Greene et al 2004)
>200 meters	Area (mi <sup>2</sup> )	42.77	3.8%	5.23	12.23%	0.00	0.00	3.73	8.72%	8.96	20.95%	Coarse-scale substrata (Greene et al 2004)

Pinpoint data extent is limited, asterick indicates either zero count or no data available