

**California Marine Life Protection Act Initiative, North Central Coast Project  
Staff Summary of Area and Habitats in Draft MPA Array Jade, Option A  
Revised November 15, 2007**

**Overall Summary for Jade, Option A (10/19/07 version)**

| <b>Type of MPA<sup>1</sup></b>        | <b># Proposed</b> | <b>Area (mi<sup>2</sup>)</b> | <b>% of study region</b> |
|---------------------------------------|-------------------|------------------------------|--------------------------|
| State Marine Reserve (SMR)            | 13                | 80.91                        | 10.60%                   |
| State Marine Park (SMP)               | 1                 | 1.56                         | 0.21%                    |
| State Marine Conservation Area (SMCA) | 10                | 204.81                       | 26.84%                   |
| <b>All MPAs combined</b>              | <b>24</b>         | <b>287.28</b>                | <b>37.65%</b>            |

<sup>1</sup> Note: These are proposed MPA designations, NOT levels of protection assigned by the MLPA SAT.

**Individual MPAs in Jade, Option A (10/19/07 version)**

| <b>MPA Name<sup>A</sup></b> | <b>Size (mi<sup>2</sup>)</b> | <b>Along-shore span (mi)<sup>B</sup></b> | <b>Depth range (ft)</b> |
|-----------------------------|------------------------------|--|-------------------------|
| Point Arena SMR             | 7.40                         | 4.0                                      | 0-194                   |
| Point Arena SMCA            | 8.67                         | 4.0                                      | 153-324                 |
| Saunders Reef Inshore SMCA  | 11.73                        | 5.0                                      | 0-228                   |
| Saunders Reef Offshore SMCA | 7.38                         | 5.0                                      | 197-297                 |
| Del Mar SMR                 | 0.09                         | 0.3                                      | 0-55                    |
| Sonoma Coast SMR            | 30.94                        | 8.3                                      | 0-298                   |
| Salt Point SMP              | 1.56                         | 2.2                                      | 0-182                   |
| Gerstle Cove SMR            | 0.01                         | 0.2                                      | 0-36                    |
| Russian River SMR           | 0.83                         | 2.6                                      | 0-42                    |
| Bodega Head SMR             | 13.35                        | 6.5                                      | 0-229                   |
| Bodega Head SMCA            | 11.46                        | 6.5                                      | 144-267                 |
| Tomales Bay SMR             | 0.65                         | 1.7                                      | 0-10                    |
| Point Reyes SMR             | 4.69                         | 4.1                                      | 0-142                   |
| Point Reyes SMCA            | 38.68                        | 10.2                                     | 0-244                   |
| Drakes Estero SMR           | 4.04                         | 7.2                                      | 0-10                    |
| Duxbury Reef SMCA           | 25.30                        | 6.2                                      | 0-136                   |
| Duxbury Existing SMCA       | 0.34                         | 1.6                                      | 0-10                    |
| Redwood Creek SMR           | 0.10                         | 0.7                                      | 0-21                    |
| Fitzgerald SMR              | 10.38                        | 6.9                                      | 0-140                   |
| Fitzgerald SMCA             | 15.41                        | 6.9                                      | 89-172                  |
| Farallon Islands SMCA       | 59.10                        | NA                                       | 78-372                  |
| SE Farallon SMCA            | 26.73                        | NA                                       | 79-382                  |
| North Farallon SMR          | 3.58                         | NA                                       | 0-237                   |
| SE Farallon SMR             | 4.85                         | NA                                       | 0-238                   |
| Point Arena SMR             | 7.40                         | 4.0                                      | 0-194                   |
| Point Arena SMCA            | 8.67                         | 4.0                                      | 153-324                 |

<sup>A</sup> Symbols following proposed MPA name indicate level of protection as determined by the MLPA Master Plan Science Advisory Team. (\*\*\*) indicates SMCA High, (\*\*) indicates SMCA Moderate, (\*) indicates SMCA Low, and (^) indicates SMP Low. Level of protection was used in the SAT evaluation.

<sup>B</sup> Alongshore span measured as direct line from one end of the MPA to the other.

**Habitat Representation in Jade, Option A (10/19/07 version)**

| Habitat                          | Percentage of mapped habitat in proposed MPA designations in the study region <sup>1</sup> |        |         |            |
|----------------------------------|--|--------|---------|------------|
|                                  | SMR  | SMP    | SMCA    | Total MPAs |
| <b>Intertidal</b>                |  |        |         |            |
| Sandy or gravel beaches          | 12.46%   | 0.08%  | 7.46%   | 20.01%     |
| Rocky intertidal and cliff       | 29.40%   | 0.43%  | 8.40%   | 38.22%     |
| Coastal marsh                    | 52.89%   | 0.00%  | 0.00%   | 52.89%     |
| Tidal flats                      | 27.58%   | 0.00%  | 2.27%   | 29.85%     |
| Seagrass beds (0-30m): Surfgrass | 26.55%   | 0.00%  | 14.65%  | 41.20%     |
| Seagrass beds (0-30m): Eelgrass  | 60.77%   | 0.00%  | 0.04%   | 60.81%     |
| Estuary                          | 24.70%   | 0.00%  | 0.00%   | 24.70%     |
| <b>Soft bottom</b>               |  |        |         |            |
| 0-30 meters                      | 8.23%  | 0.00%  | 5.13%   | 13.36%     |
| 30-100 meters                    | 8.85%  | 0.10%  | 38.28%  | 47.23%     |
| 100-200 meters                   | 0.00%  | 0.00%  | 100.00% | 100.00%    |
| >200 meters                      | N/A  | N/A    | N/A     | N/A        |
| <b>Hard bottom</b>               |  |        |         |            |
| 0-30 meters                      | 22.01%   | 1.25%  | 16.36%  | 39.62%     |
| 30-100 meters                    | 28.40%   | 1.04%  | 24.48%  | 53.92%     |
| 100-200m                         | N/A  | N/A    | N/A     | N/A        |
| >200 meters                      | N/A  | N/A    | N/A     | N/A        |
| <b>Kelp forest</b>               |  |        |         |            |
| Kelp 1989                        | 21.85%   | 4.18%  | 20.69%  | 46.72%     |
| Kelp 1999                        | 17.01%   | 2.43%  | 18.43%  | 37.86%     |
| Kelp 2002                        | 29.19%   | 10.00% | 4.07%   | 43.26%     |
| Kelp 2003                        | 16.44%   | 1.87%  | 17.23%  | 35.54%     |
| Kelp 2004                        | 16.59%   | 5.12%  | 12.83%  | 34.55%     |
| Kelp 2005                        | 13.80%   | 0.21%  | 25.25%  | 39.26%     |
| Average kelp                     | 20.62%   | 4.50%  | 16.53%  | 41.65%     |

*Note: These are proposed MPA designations, NOT levels of protection assigned by the SAT*