

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

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

| Type of MPA <sup>1</sup>              | # Proposed | Area (mi <sup>2</sup> ) | % of study region |
|---------------------------------------|------------|-------------------------|-------------------|
| State Marine Reserve (SMR)            | 10         | 39.84                   | 5.22%             |
| State Marine Park (SMP)               | 0          | 0.00                    | 0.00%             |
| State Marine Conservation Area (SMCA) | 7          | 111.40                  | 14.60%            |
| <b>All MPAs combined</b>              | <b>17</b>  | <b>130.00</b>           | <b>19.82%</b>     |

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

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

| MPA Name <sup>A</sup> | Size (mi <sup>2</sup> ) | Along-shore span (mi) <sup>B</sup> | Depth range (ft) |
|-----------------------|-------------------------|------------------------------------|------------------|
| Point Arena SMR       | 8.87                    | 4.8                                | 0-222            |
| Point Arena SMCA      | 9.65                    | 4.8                                | 154-324          |
| Black Point SMR       | 3.63                    | 3.9                                | 0-174            |
| Black Point SMCA      | 11.92                   | 3.9                                | 146-294          |
| Gerstle Cove SMR      | 0.01                    | 0.2                                | 0-36             |
| Russian River SMR     | 0.83                    | 2.6                                | 0-42             |
| Bodega Head SMR       | 6.18                    | 4.1                                | 0-179            |
| Bodega Head SMCA      | 18.62                   | 6.5                                | 0-267            |
| Tomales Bay SMR       | 0.65                    | 1.7                                | 0-10             |
| Point Reyes SMR       | 3.78                    | 4.1                                | 0-131            |
| Point Reyes SMCA      | 39.58                   | 10.2                               | 0-244            |
| Drakes Estero SMR     | 4.04                    | 7.2                                | 0-10             |
| Duxbury Existing SMCA | 0.66                    | 3.4                                | 0-10             |
| Fitzgerald SMR        | 7.00                    | 4.4                                | 0-140            |
| Fitzgerald SMCA       | 18.78                   | 6.8                                | 0-172            |
| SE Farallon SMR       | 4.85                    | NA                                 | 0-238            |
| Farallon Island SMCA  | 12.19                   | NA                                 | 121-382          |

<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 B (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          | 9.83%  | 0.00% | 5.77%  | 15.60%     |
| Rocky intertidal and cliff       | 23.31%   | 0.00% | 2.44%  | 25.75%     |
| Coastal marsh                    | 52.89%   | 0.00% | 0.00%  | 52.89%     |
| Tidal flats                      | 27.58%   | 0.00% | 2.39%  | 29.97%     |
| Seagrass beds (0-30m): Surfgrass | 20.93%   | 0.00% | 9.96%  | 30.89%     |
| Seagrass beds (0-30m): Eelgrass  | 60.77%   | 0.00% | 0.07%  | 60.84%     |
| Estuary                          | 24.70%   | 0.00% | 0.00%  | 24.70%     |
| <b>Soft bottom</b>               |  |       |        |            |
| 0-30 meters                      | 6.30%  | 0.00% | 4.61%  | 10.91%     |
| 30-100 meters                    | 2.53%  | 0.00% | 20.31% | 22.84%     |
| 100-200 meters                   | 0.00%  | 0.00% | 70.29% | 70.29%     |
| >200 meters                      | N/A  | N/A   | N/A    | N/A        |
| <b>Hard bottom</b>               |  |       |        |            |
| 0-30 meters                      | 16.92%   | 0.00% | 3.21%  | 20.13%     |
| 30-100 meters                    | 10.87%   | 0.00% | 13.66% | 24.53%     |
| 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                        | 13.42%   | 0.00% | 0.00%  | 13.42%     |
| Kelp 1999                        | 14.95%   | 0.00% | 0.00%  | 14.95%     |
| Kelp 2002                        | 7.36%  | 0.00% | 0.21%  | 7.57%      |
| Kelp 2003                        | 9.59%  | 0.00% | 0.00%  | 9.59%      |
| Kelp 2004                        | 8.29%  | 0.00% | 0.14%  | 8.43%      |
| Kelp 2005                        | 17.42%   | 0.00% | 0.00%  | 17.42%     |
| Average kelp                     | 12.00%   | 0.00% | 0.06%  | 12.06%     |

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