

COASTAL PRAIRIE  
ESTABLISHMENT AND MANAGEMENT PLAN  
LIGHTHOUSE FIELD

**1. Purpose**

To restore coastal prairie grassland ecosystem and manage toward a diverse and stable native grassland free from exotic introduced grasses and weeds.

**2. Procedure**

A. Site survey. Use seeds and plants known to be genetically similar to those found in the coastal prairie of Santa Cruz county.

B. Grasses to be grown include:

- |                           |                            |
|---------------------------|----------------------------|
| 1. Purple needle grass    | <i>Stipa pulchra</i>       |
| 2. Hordeum brachyantherum | <i>Meadow barley</i>       |
| 3. Elymus glaucus         | <i>Blue wild rye</i>       |
| 4. Leymus triticoites     | <i>Creeping wild rye</i>   |
| 5. Bromus maritimus       | <i>Coastal brome grass</i> |
| 6. Bromus carinatus       | <i>California brome</i>    |
| 7. Festuca rubra          | <i>Creeping red fescue</i> |

C. Wildflowers to be grown include:

- |                          |                               |
|--------------------------|-------------------------------|
| 1. Yellow bush lupine    | <i>Lupinus arboreus</i>       |
| 2. Varied colored lupine | <i>Lupinus varicolor</i>      |
| 3. Yarrow                | <i>Achillea millifolia</i>    |
| 4. California poppy      | <i>Eschscholtzia maritima</i> |
| 5. Seaside Daisy         | <i>Erigeron Glauca</i>        |
| 6. Indian paintbrush     | <i>Castillia folliosa</i>     |

**3. Seed bed preparation:**

- A. Late Spring mowing and removal of straw and weeds 1991.
- B. Fall mowing. Oct 1st.-15th. prior to drill seeding or plug planting. note: Should begin before early fall rain.

**4. Seeding/planting Methods:**

- A. Seed to be drilled or raked into soil surface should be compressed into soil and covered with native grass hay.
- B. Plugs and containers should be installed at 12" to 16" random spacing, compressed into soil, and a depression for future moisture formed.
- C. Seeding and planting location. (see map)
- D. Seeding and planting date: October 15th -November 30th.



**7. Restoration areas:**

- A. West Cliff Dr. and Pelton Ave. corner near Lighthouse Field sign.
- B. West Cliff Dr. Frontage area west of restroom facility parking.
- C. Picnic area along West Cliff Dr. frontage.
- D. West Cliff Dr. near west Lighthouse Field sign.

**8. Grassland management**

A. Bi-annual mowing of restored areas. Mowing should take place in the late spring as annual grass and weed seed mature and soil moisture decreases. This activity should occur April 15th-May 1st. Fall Mowing should occur after perennials set seed. September 15th - October 1st.