

# Habitat Management Plan Responsibilities Analysis & Habitat Conservation Plan Status

Board of Directors Presentation  
March 8, 2019

*Jonathan Brinkmann  
Principal Planner*

*Mary Israel  
Associate Planner*

## Timeline

**Now** ▶ Final Screencheck Review (by US Fish & Wildlife Service (USFWS) Solicitor)

**May- June** ▶ Public Draft Review

**September -October** ▶ HCP Joint Powers Authority (JPA) formation, Record of Decision (ROD), *both must precede:*

**December** ▶ State & Federal Incidental Take Permits (ITPs)

- ▶ HCP Endowments originally projected to be \$9 Million (M) now expected to be \$48 to \$66M.
  
- ▶ By June 30, 2020, about \$21M will be collected. The jurisdictions need to generate \$27 to \$45M.
  1. Replacement funding mechanism for the FORA CFD special tax
  2. State Legislature extends FORA's financing ability

# Habitat Management Plan (HMP) Analysis Overview



- What are Habitat Management Reserve owner responsibilities?
- What is sufficient HMP funding?
- What if we formed an HMP JPA instead of HCP?
- Funding mechanisms?

## ▶ 1997 HMP

- Agreement between Army & USFWS to allow transfer Fort Ord property
- Established Fort Ord Habitat Reserve System
- Authorized “Take” of special status species for cleanup, specifically
- Signatories agreed to fulfill habitat management of reserves, Borderlands

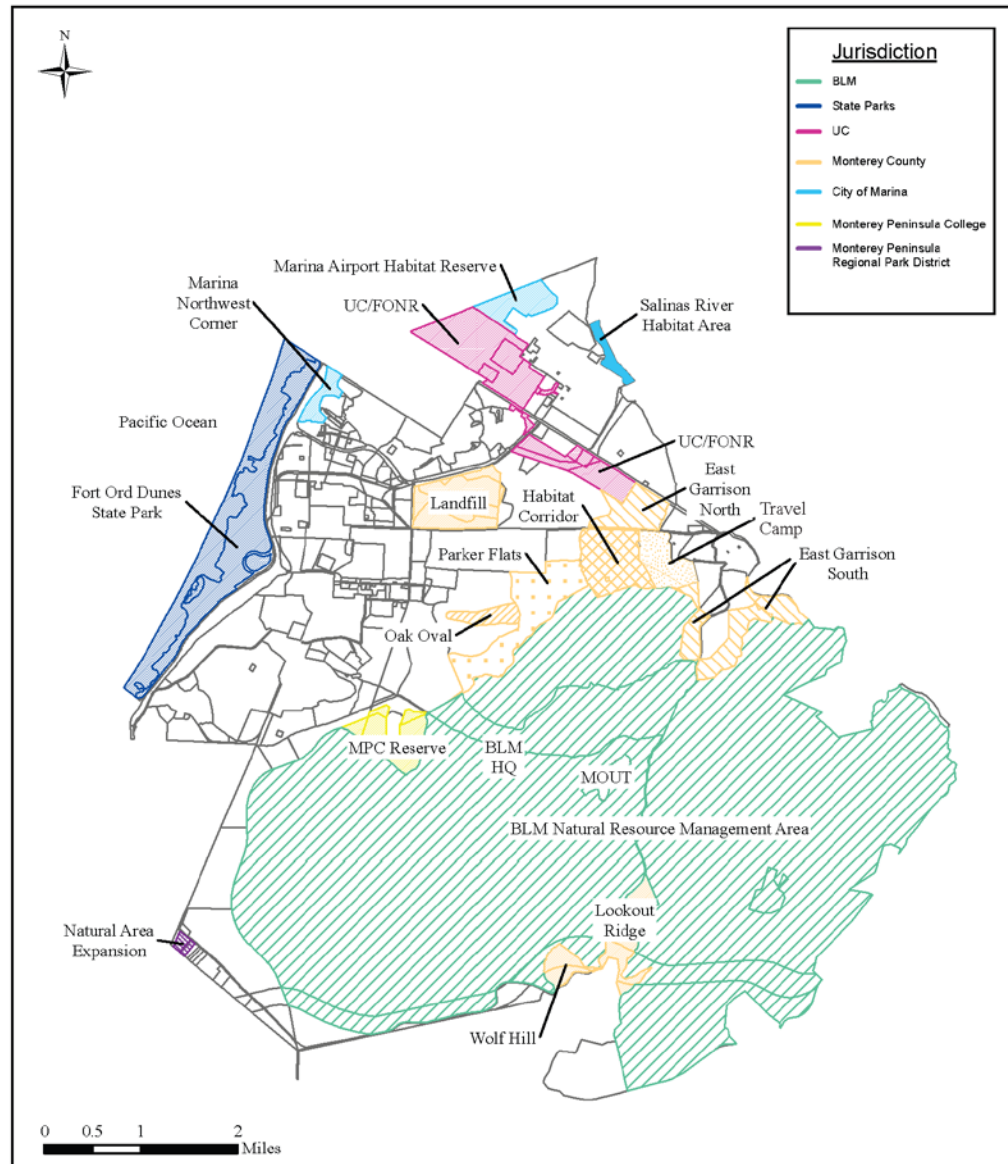
## ▶ 1997 HMP

Fort Ord Reuse Authority  
County of Monterey  
City of Marina  
California Department of Parks and Recreation  
The Regents of the University of California (UC)  
Monterey Peninsula Regional Parks District (MPRPD)  
Monterey Peninsula Community College District (MPC)  
*York School*  
Bureau of Land Management (BLM)  
Marina Coast Water District  
*CA Department of Transportation, District Division 5*

## ▶ 2019 HCP

Fort Ord Reuse Authority  
County of Monterey  
City of Marina  
**City of Seaside**  
**City of Del Rey Oaks**  
**City of Monterey**  
California Department of Parks and Recreation  
The Regents of the University of California  
**The Board of Trustees of the California State University  
(on behalf of CSU Monterey Bay) (CSUMB)**  
Monterey Peninsula Community College District  
Monterey Peninsula Regional Parks District  
Bureau of Land Management (Cooperating Entity)  
Marina Coast Water District

# Habitat Reserve locations





- ▶ Develop Resource Management Plans (RMPs) for the “Reserve” and “Development with Reserve” properties
  - Coordinated Resource Management Planning Group review
  - USFWS and California Dept. Fish and Wildlife (CDFW) approval
  
- ▶ Prepare and submit annual Habitat Reserve Management reports to USFWS, CDFW, and BLM
  
- ▶ Management of reserves likely to result in some “take” of listed species. Fuel breaks, for example. Without a basewide HCP, ITPs to be negotiated again with USFWS and CDFW.



Specific protocols for managing biological resources to meet the overall goal of the HMP, which is “to provide for, at a minimum, no net loss of populations or important habitat for any of the subject species of this HMP.” (ACOE 1997, pg. s-6).

Sand gilia (*Gilia tenuiflora arenaria*) (Federal endangered, State threatened)  
Smith’s blue butterfly (*Euphilotes enoptes smithi*) (Federal endangered)  
Monterey spineflower (*Chorizanthe pungens var. pungens*) (Federal threatened)  
Seaside bird’s beak (*Cordylanthus rigidus ssp. littoralis*) (State endangered)  
California red-legged frog (*Rana aurora draytonii*) (Federal endangered)  
California tiger salamander (*Ambystoma californiense*) (Federal and State threatened)  
Yadon’s piperia (*Piperia yadonii*) (Federal endangered)  
Black legless lizard (*Anniella stebbinsi*) (CA Species of Special Concern (SSC))  
Monterey ornate shrew (*Sorex ornatus salarius*) (SSC)  
California linderiella (*Linderiella occidentalis*)  
Five manzanitas and chaparral plants  
Coast wallflower (*Erysimum ammophilum*)  
Contra Costa goldfields (*Lasthenia conjugens*) (Federal endangered)

- Beneficial enhancement of habitat to achieve the goal of the HMP
- Erosion control
- Non-native species controls
- Security and access controls
- Vegetation management, in the form of fire, grazing, or alternative vegetation management
- Road and trail maintenance
- Short-term and long-term plans for trail and infrastructure development, public access, recreation, and other non-habitat-specific uses for the Habitat Reserve(s).

**County East Garrison, aka Garrison North HMA:** 148.41 acres preserved habitat.

- ▶ Listed species present: sand gilia, Monterey spineflower.
- ▶ Other species with HMP responsibilities: Monterey ceanothus, Eastwood's ericameria, Monterey ornate shrew.
- ▶ Surveys and Monitoring level: medium.
- ▶ Erosion issues: medium.
- ▶ Access control: low.
- ▶ Management level: medium to high. Maintain existing habitat values for HMP species, including disturbed sandy soil to support Monterey spineflower. Most of the parcel is Coast live oak woodland, within it a corridor is to be maintained and sand gilia habitats to be maintained as linear north-south trending for population mixing, so firebreaks are to be constructed and trails, firebreaks must be maintained.
- ▶ Additional RMP cost: Additional firebreaks, coast live oak woodland may require new seedlings to maintain stands.

# Jurisdiction-level Responsibility

Reserve	Total Reserve Area	Estimated Cost
University of California	598 acres	\$311,132 annually
Monterey County	1682 acres	\$657,146 annually, \$455,510 startup
City of Marina	198 acres	\$462,550 annually, \$156,615 startup
Monterey Peninsula College	206 acres	\$114,760 annually, \$132,783 startup
<b>ESTIMATED COST</b>		<b>\$1,545,588 annually</b>
		<b>\$744,908 startup</b>

# HMP Funding Distribution

If no HCP, \$21.6 Million reserved for endowment could be distributed to HMP Reserve landholders.

Monterey County. . . . .	\$
UC Fort Ord Natural Reserve. . . . .	\$
City of Marina. . . . .	\$
Monterey Peninsula College. . . . .	\$
MPRPD. . . . .	\$?
Seaside, CSUMB borderland costs. . . . .	\$?

If no HCP, funding could be distributed to a coordinating entity, such as an HMP JPA. Economies of scale by sharing monitoring, reporting, administration, field crews, and equipment.



- ▶ HMP JPA would start with +/- \$21M by June 2020, and would need to build to \$35.1 to \$52.3M (payout rate assumptions of 4.5% to 3%, and including start-up costs) to fulfill the unfunded but mandated conservation of species and land management within the habitat areas.
- ▶ The additional \$13.5 to \$30.7M could be raised through
  1. FORA CFD special tax replacement mechanism,
  2. or another identified source.



## ▶ Planned Regional Trail Project

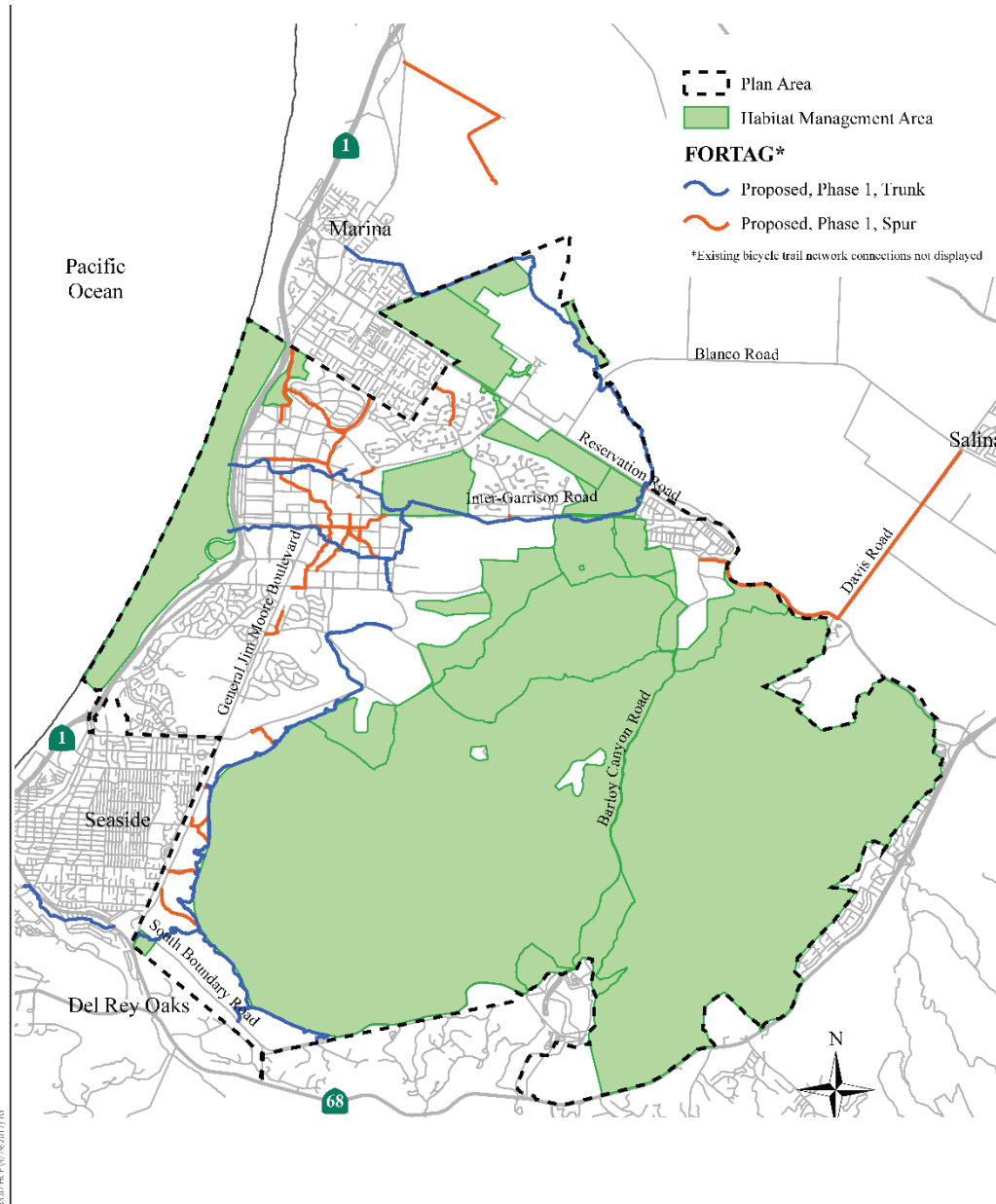
### HMP

Listed species potentially present: Smith's Blue Butterfly, CTS, CRLF, Monterey Spineflower, seaside bird's beak, Sand gilia.

A post-transfer modification to the HMP would be required. To develop 19 acres in HMAs and 140 acres in development areas, take permits would be required. Mitigation lands for permitting may be partly satisfied with reserves, requires inter-jurisdictional coordination.

HMP does not include this development in HMAs. A multijurisdictional approach to obtain ITPs would be necessary to allow take of listed species.

# FORTAG Regional Impacts



13.031 HCF 4/18/2013 11G

## ▶ Planned Infrastructure Projects

### HMP

Listed species potentially present: CTS, CRLF, Monterey Spineflower, seaside bird's beak, Sand gilia.

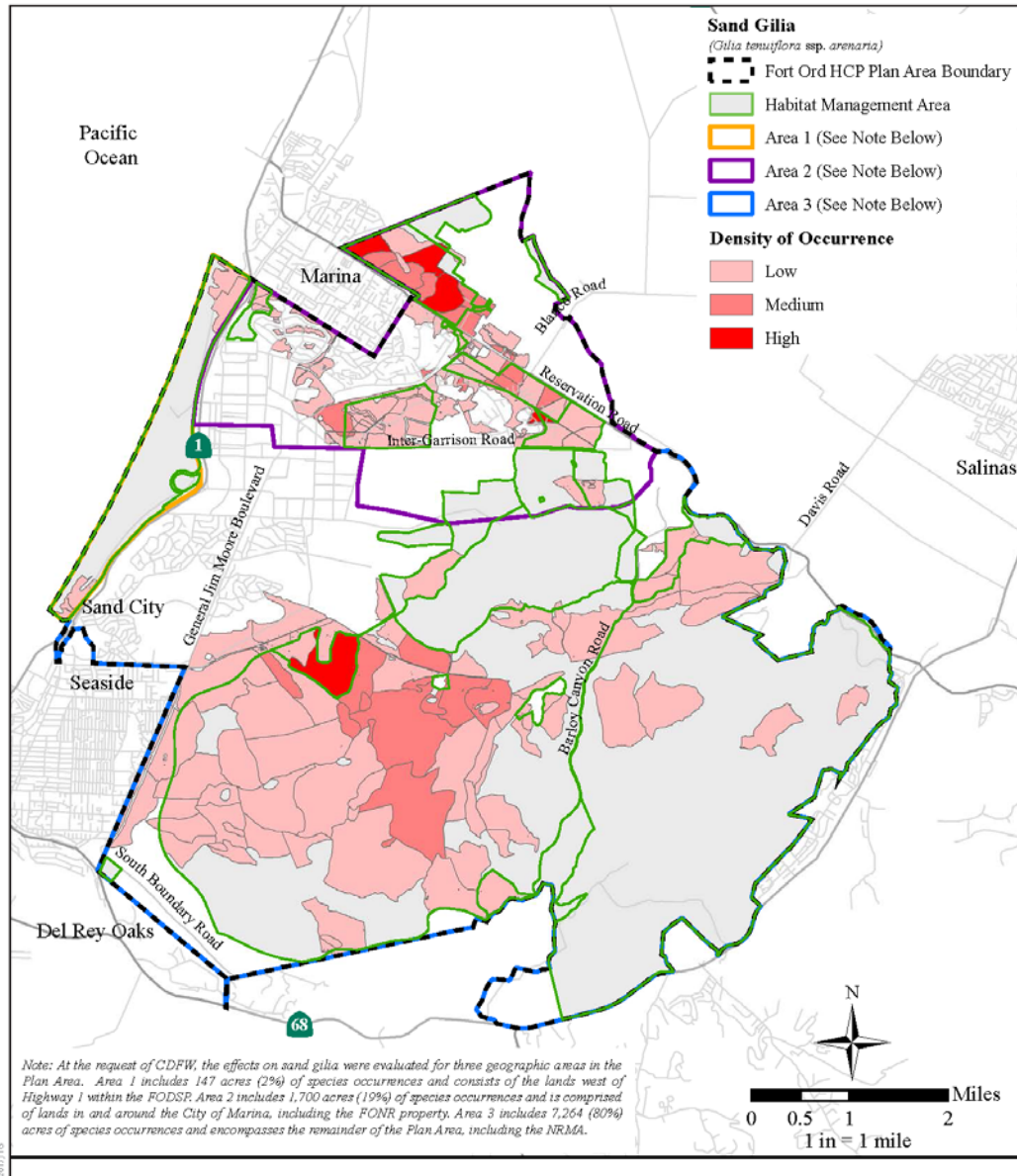
A post-transfer modification to the HMP would be required. To develop 36 acres in HMAs and likely more acres in development areas, take permits may be required. Mitigation lands for permitting may be partly satisfied with reserves, requires inter-jurisdictional coordination.

A multijurisdictional approach to obtain ITPs would be necessary to allow take of listed species. MCWD would fund.

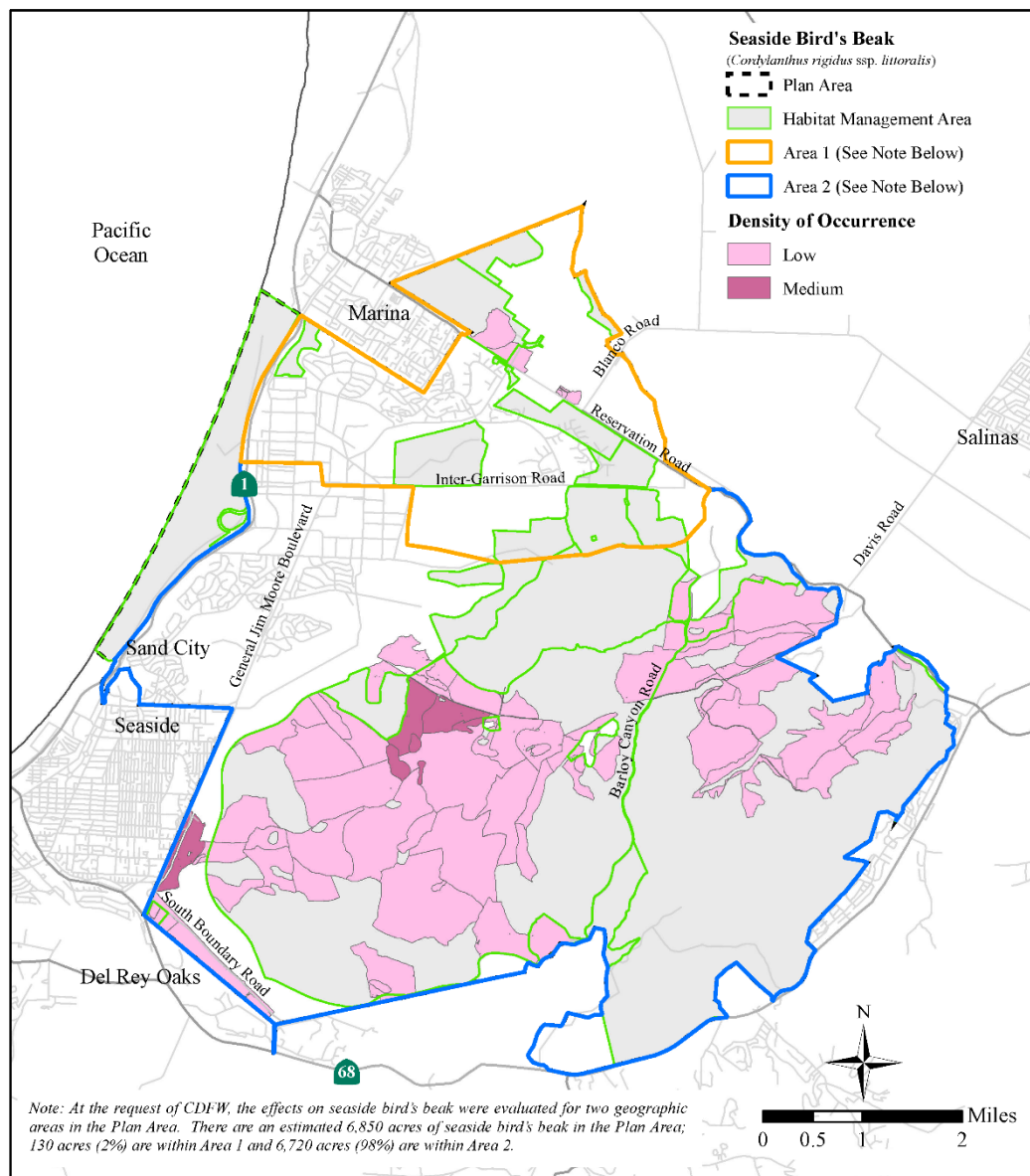




# Sand Gilia Occurrence



# Bird's Beak Occurrence







# Development/Preservation

Jurisdiction/Agency (JD)	Development Acres	Available HMA Acres
Monterey	110	0
Del Rey Oaks	344	18*
Seaside	1,811	*
Marina	994**	198
County of Monterey	1,595	1,682
UC	479	598
CSUMB	532†	0
MPC	296	206
State Parks	145	834
<b>TOTAL</b>	<b>6,306</b>	<b>3,536</b>

*\*Monterey Peninsula Regional Park District owned in DRO, MPC owned in Seaside.*

*\*\*Rough estimate of remaining Fort Ord development lands.*

*† CSUMB development area is estimated because the EIR is not final on their Master Plan.*

# Questions?

