To assist NMFS and the Council in describing Essential Fish Habitat, a model was developed to predict an overall measure of the suitability of habitat in particular locations for as many species as possible. Where possible, the suitability of habitat was measured using the occurrence of fish species in NMFS trawl survey catches. For species not well represented in the trawl catches, information from the scientific literature was used. Species and life stages for which no specific information could be found were considered using the precautionary principle.

The EFH model characterizes habitat in terms of three variables: depth, latitude, and substrate (both physical and biogenic substrate, where possible). For the purposes of the model these three characteristics provide a reasonable representation of the essential features of habitat that influence the occurrence of fish. Depending on these characteristics and the observed distributions of fish in relation to them, each location (a parcel or polygon of habitat in the GIS) is allocated a suitability value between 0 and 100%. This is called the Habitat Suitability Probability, or HSP, and it is calculated for as many species and life stages in the FMP as possible based on available data. These scores and the differences between scores for different locations are then used to develop a proxy for the areas that can be regarded as “essential”. The higher the HSP, the more likely the habitat area should be identified as EFH.

The EFH identification model provides spatially explicit estimates of HSP for 168 groundfish species/life stage combinations, including the adults of all species in the FMP. Distribution ranges for depth and latitude were derived where possible from in-situ observations of occurrence in NMFS trawl survey catches. Where survey data were insufficient, depth and latitude ranges were extracted from reports and papers in the scientific literature. Preferences for substrate types were also taken from the scientific literature. The HSP values for each habitat polygon are mapped using GIS software. For the reader unfamiliar with GIS, a primer is contained on page 14 of the Risk Assessment.
Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
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Arrowtooth Flounder - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Arrowtooth Flounder - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Aurora Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey.
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Aurora Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
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Aurora Rockfish - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Bank Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Blackgill Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Blackgill Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
Black and Yellow Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
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Black and Yellow Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
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Black and Yellow Rockfish - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Bocaccio - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey+
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Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.

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Cabezón - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Calico Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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California Skate - Eggs

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
California Skate - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.

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Canary Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey+.
Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Cowcod - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
Curlfin Sole - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: Survey

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Darkblotched Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: Survey
Darkblotched Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005.
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: ‘HUD & Survey’
Darkblotched Rockfish - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Spiny Dogfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Spiny Dogfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sond GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Dover Sole - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
English Sole - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
English Sole - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD

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Finescale Codling - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: ‘HUD & Survey’
Flag Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Flag Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
Flathead Sole - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey+.
Flathead Sole - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
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Gopher Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Gopher Rockfish - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Grass Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Greenblotched Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.

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Greenspotted Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: Survey
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Greenspotted Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Greenstriped Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: Survey.
Greenstriped Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Harlequin Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Honeycomb Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Kelp Greenling - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Kelp Greenling - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Kelp Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.

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Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2006
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (H UD). Depth and latitude association derived from Survey.
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Lingcod - Eggs

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Lingcod - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Lingcod - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Longnose Skate - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Longnose Skate - Eggs

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.

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Leopard Shark - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Leopard Shark - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
Longspine Thornyhead - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
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Mexican Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Mexican Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Mexican Rockfish - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006.
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
Olive Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Pacific Cod - Eggs

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
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Pacific Cod - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Petrale Sole - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Pink Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Pacific Ocean Perch - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey.
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Pacific Ocean Perch - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Pacific Sanddab - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey+

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Quillback Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
Ratfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
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Ratfish - Eggs

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Pacific Rattail - Adult

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Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from ‘HUD & Survey’

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Pacific Rattail - Eggs

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Redbanded Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from survey.

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Redstripe Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
Rex Sole - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: Survey.
Rex Sole - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
Rosy Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.

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December 2005
Rougheye Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey

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Sablefish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from ‘HUD & Survey’

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Sablefish - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Sand Sole - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Sand Sole - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005.
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
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Sharpchin Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey.

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Shortbelly Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey+.

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Silvergray Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey

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Speckled Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
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Splitnose Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey.

Habitat Suitability Probability:
- < 0.01
- 0.01 - 0.19
- 0.20 - 0.39
- 0.40 - 0.59
- 0.60 - 0.79
- ≥ 0.80
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Splitnose Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.

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Splitnose Rockfish - Larvae

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
Squarespot Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
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Squarespot Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUB). Depth and latitude association derived from: HUB
Shortspine Thornyhead - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: ‘HUD & Survey’.
Starry Flounder - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD

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Starry Flounder - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.

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Starry Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.

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Stripetail Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from Survey+.
Stripetail Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: October 16, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
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Vermilion Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.

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Pacific Whiting - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.
Pacific Whiting - Eggs

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
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Yelloweye Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Yelloweye Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2006. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD.

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Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005
Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from: HUD
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Yellowtail Rockfish - Adult

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.
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Yellowtail Rockfish - Juvenile

Habitat Suitability Probability data output from MRAG/University of Reading EFH model. Cartography by Sound GIS, map date: November 01, 2005. Species/habitat association for benthic substrate derived from NMFS Habitat Use Database (HUD). Depth and latitude association derived from HUD.