USER GUIDE

National Marine Fisheries Service (NMFS), West Coast Region, California Species List

Intersection of USGS Topographic Quadrangles with NOAA Fisheries ESA Listed Species, Critical Habitat, Essential Fish Habitat, and MMPA Species Data

December 2016

Section 7 of the Endangered Species Act (ESA) directs all federal agencies to conserve species listed as threatened and endangered. Those agencies, in consultation with NMFS and the U.S. Fish & Wildlife Service, must ensure that their actions will not jeopardize the continued existence of any ESA-listed species. Before starting an action, a federal action agency planning an activity obtains a list of threatened, endangered, proposed and candidate species that may be present in the project action area.

This National Marine Fisheries Service (NMFS), West Coast Region, California Species List provides the means for quickly obtaining a Species List.

Information is provided as a Google Earth KMZ and a Microsoft Excel Spreadsheet. Either can be used to obtain the Species List

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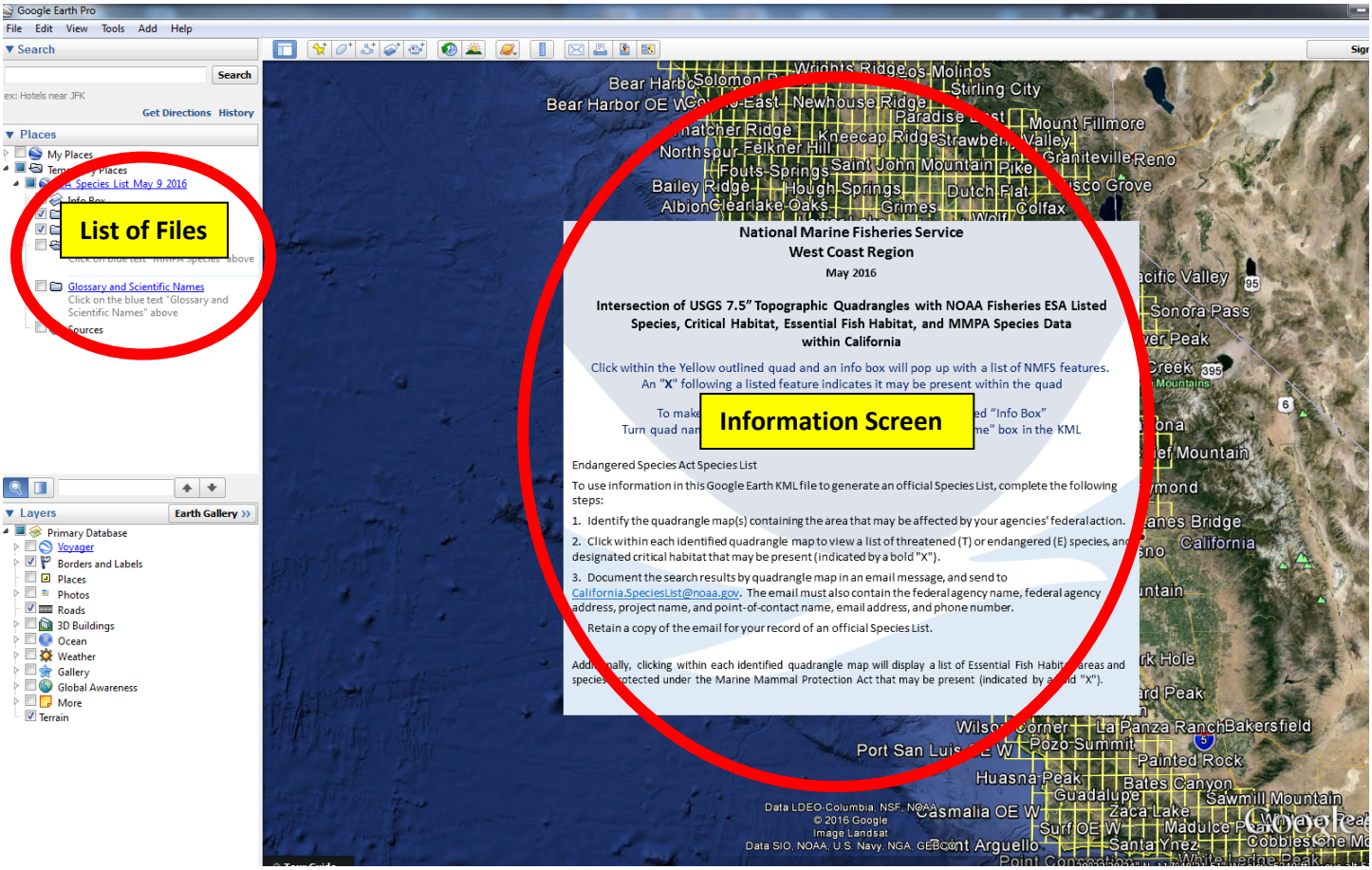
Google Earth KMZ

The Google Earth KMZ provides a visual means of determining the NMFS species that may be present within a 1:24,000 (7.5 minute) USGS topographic quadrangle.

The Google Earth KMZ allows the user to find their quad(s) of interest by panning, zooming, or using Google's search function. Once the area of interest is identified the user can employ the NMFS Species List kmz to obtain an inventory of NMFS-specific resources. The information is presented at the scale of the quadrangles. Identified resources may be present throughout the entire quadrangle or only a portion of it.

Upon opening the KMZ with the Google Earth desktop application the user will see a satellite image on the right covered by an information screen and on the left there will be a list of the files contained within the KMZ:



The information Screen

The Information Screen contains reference data (author, date, content):

National Marine Fisheries Service
West Coast Region
May 2016

Intersection of USGS 7.5" Topographic Quadrangles with NOAA Fisheries ESA Listed Species, Critical Habitat, Essential Fish Habitat, and MMPA Species Data within California

The procedure to access the data contained within a quad and what the data means:

Click within the Yellow outlined quad and an info box will pop up with a list of NMFS features. An "**X**" following a listed feature indicates it may be present. Identified resources may be present throughout the entire quadrangle or only a portion of it.

Instructions on obtaining an official species list from NMFS:

Endangered Species Act Species List

To use this file to generate an official Species List, complete the following steps:

1. Identify the quad(s) containing the area that may be affected by your agencies' federal action.

2. Click within each identified quad to view a list of threatened (T) or endangered (E) species, and designated critical habitat that may be present (indicated by a bold "X"). Clicking within each identified quad will also display a list of Essential Fish Habitat areas and Marine Mammal Protection Act species that may be present.

3. Document the search results by quad (copy and paste the results from the pop up box for each quad). From an official federal agency email account, or non-federal agency representative account, send an email to **nmfswcrca.specieslist@noaa.gov** . Email messages must include:

- federal agency name and project title in the subject line,
- search results (copied and pasted into the email),
- federal agency name and address,
- non-federal agency name and address (if any), and
- point-of-contact name, email address, and phone number.
- You may also include results for Essential Fish Habitat and Marine Mammal Protection Act resources.

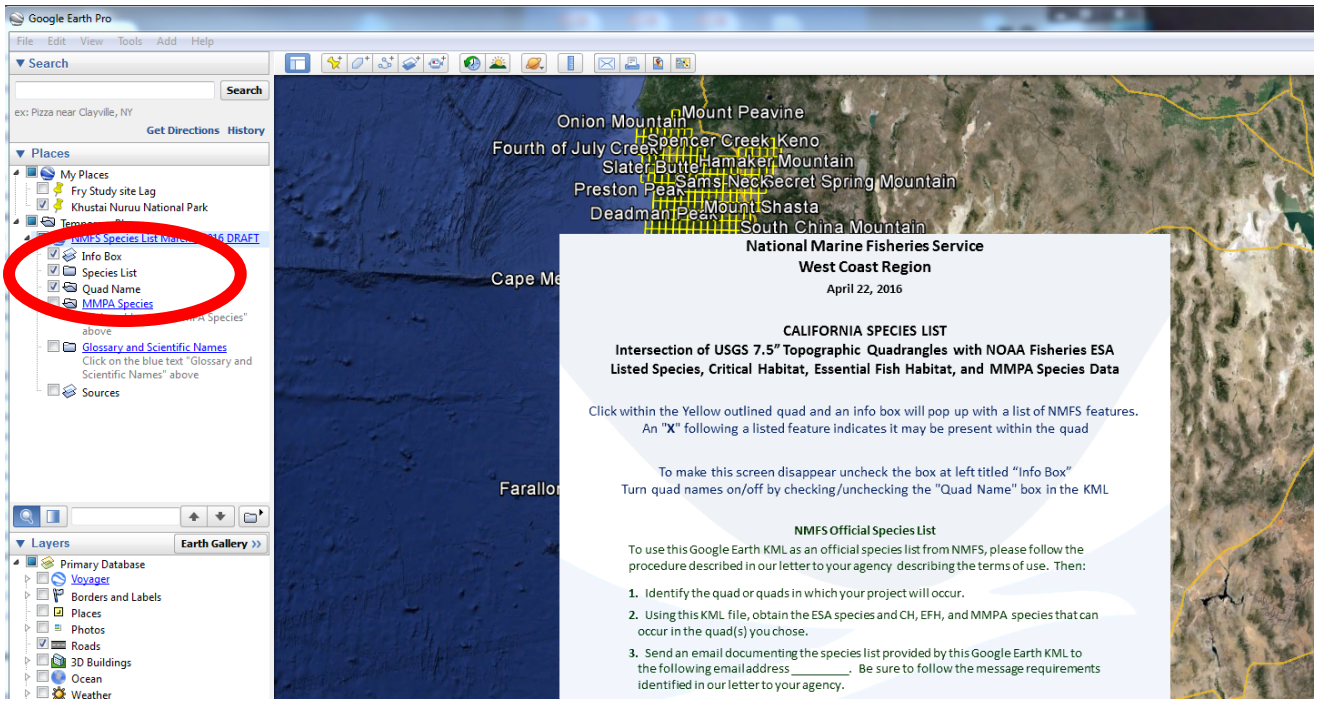
Do not attach any files. You will receive an email confirming receipt. Retain a copy for your record.
Do not use the email function within Google Earth. See User Guide.

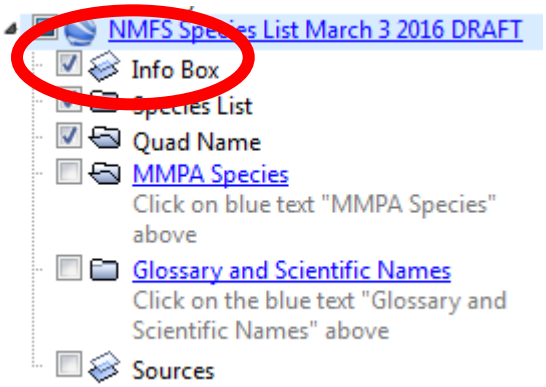
How to make the Information Screen disappear so you can view the data:

To make this screen disappear uncheck the box at left titled "Info Box"
Turn quad names on/off by checking/unchecking the "Quad Name" box in the KML

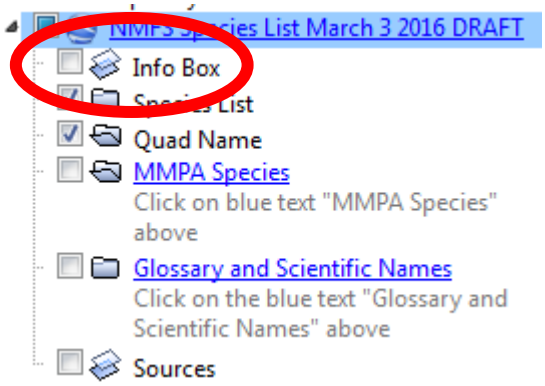
Turn off the Information Screen

To do this go to the left side of the Google Earth application where the KMZ files are listed. Uncheck the box next to the “Info Box” file.





Box is checked, screen will be visible

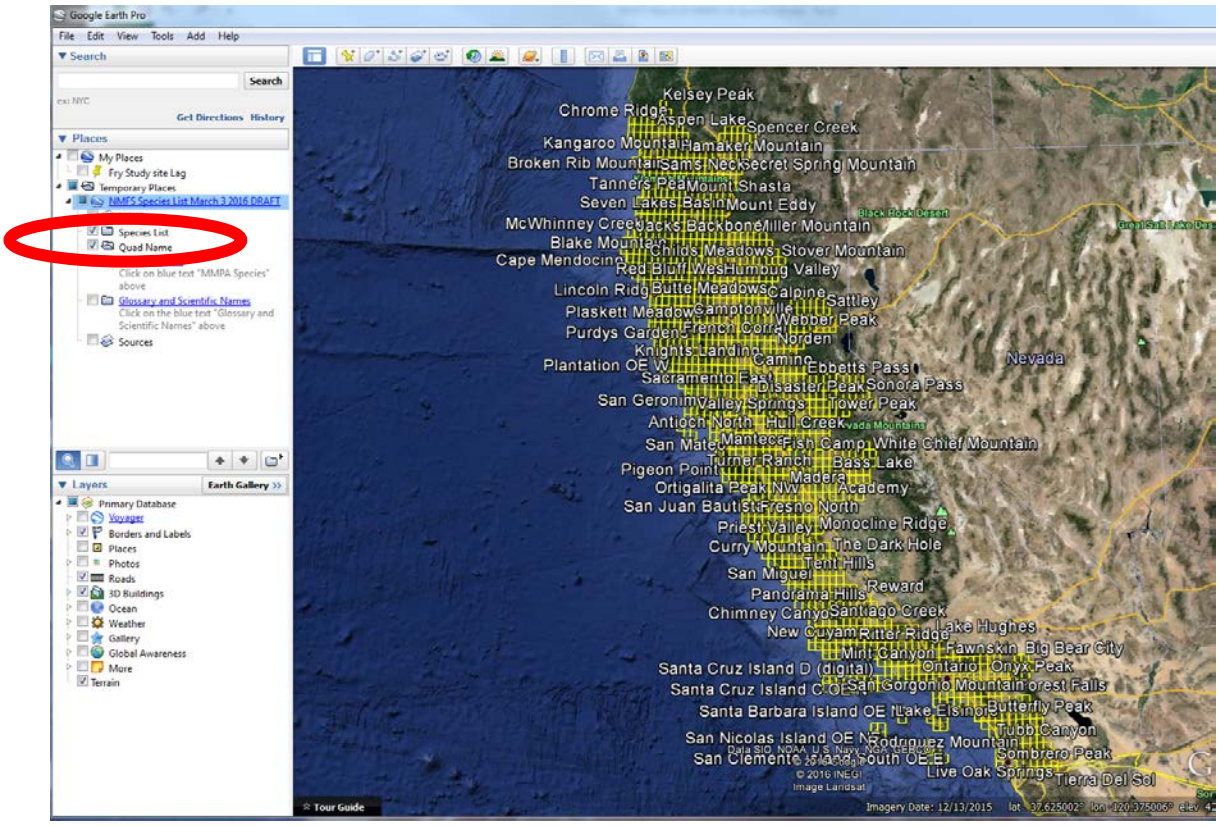


Box is unchecked, screen will be hidden

Similarly, if the having the Quadrangle Names visible seems overwhelming or are too obstructive you may turn them off in the same manner as the Information Box. Simply uncheck the box next to “Quad Name” (underneath the “Info Box” check box).

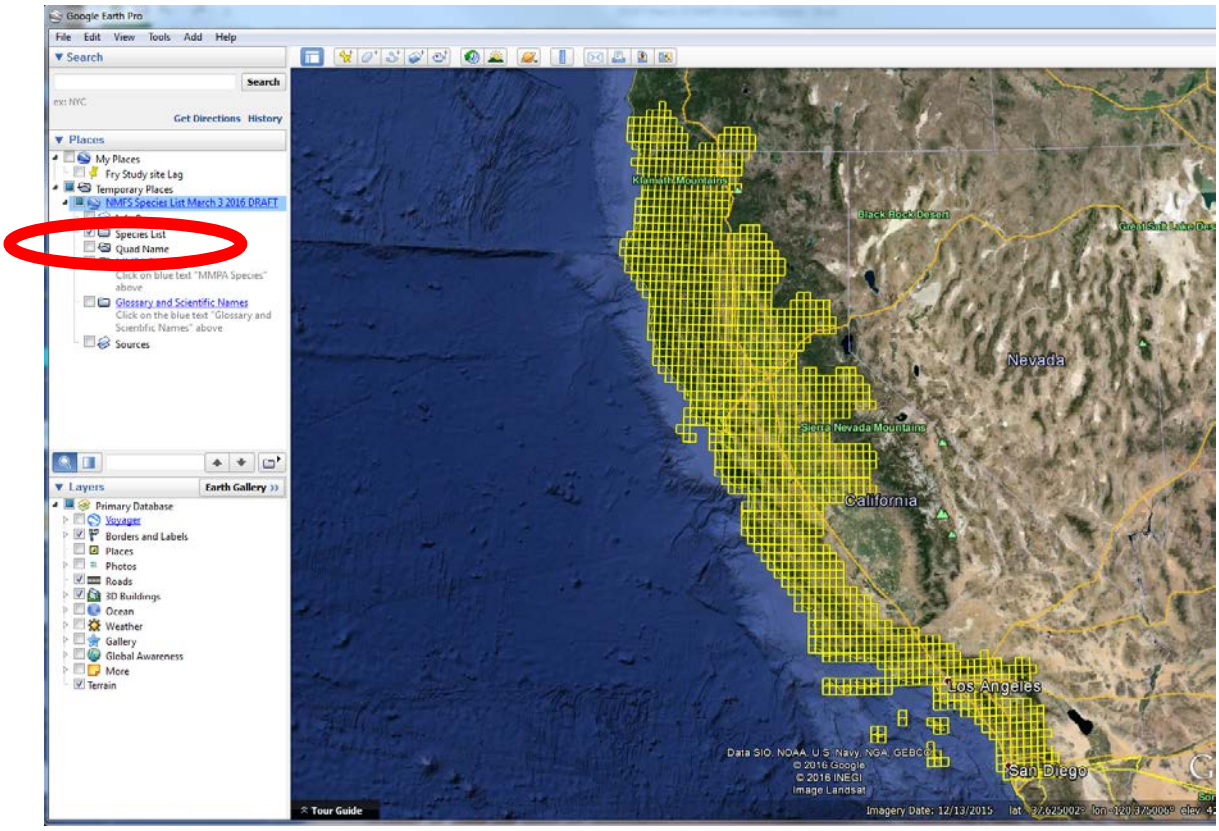
Names

Visible



Names

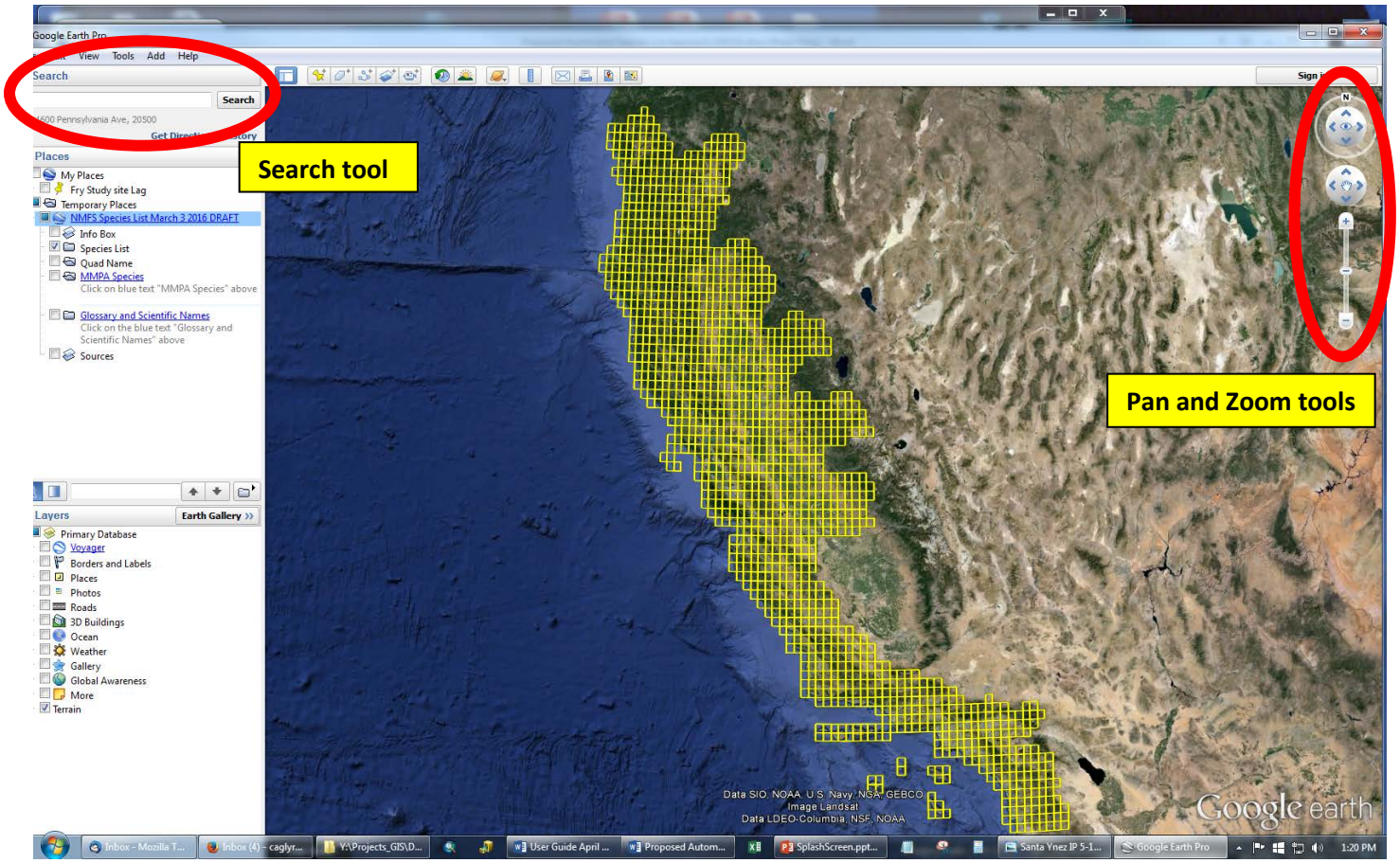
Hidden



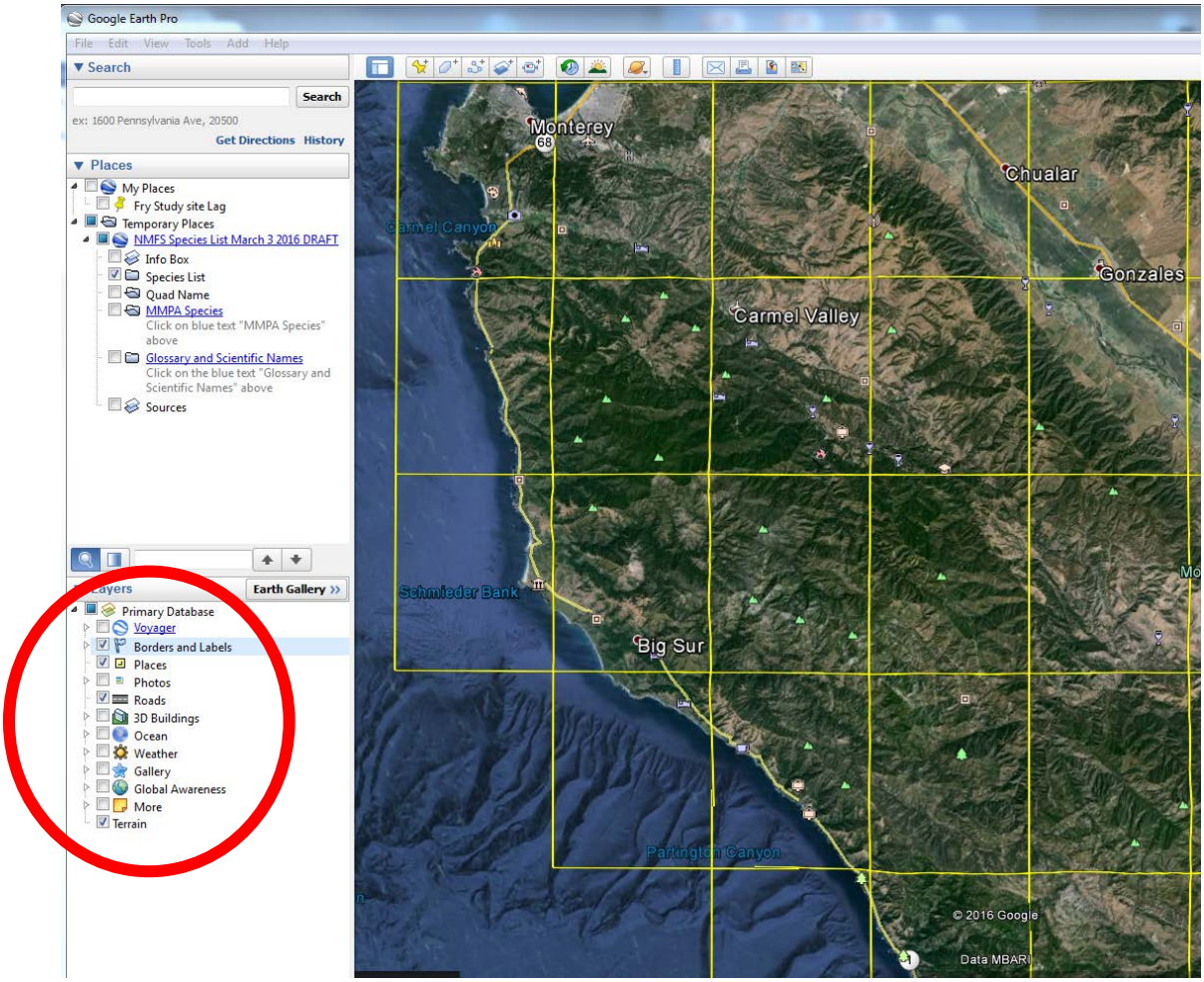
Species List Data

This KMZ contains all the terrestrial, estuarine, and coastal quads that intersect with NMFS Trust species. Each Quad is displayed as a yellow outline representing the quad border.

Use the Google Earth Tools to Pan/Zoom or Search for your area of interest. Alternatively, you can use the buttons and wheel on your mouse to pan and zoom.

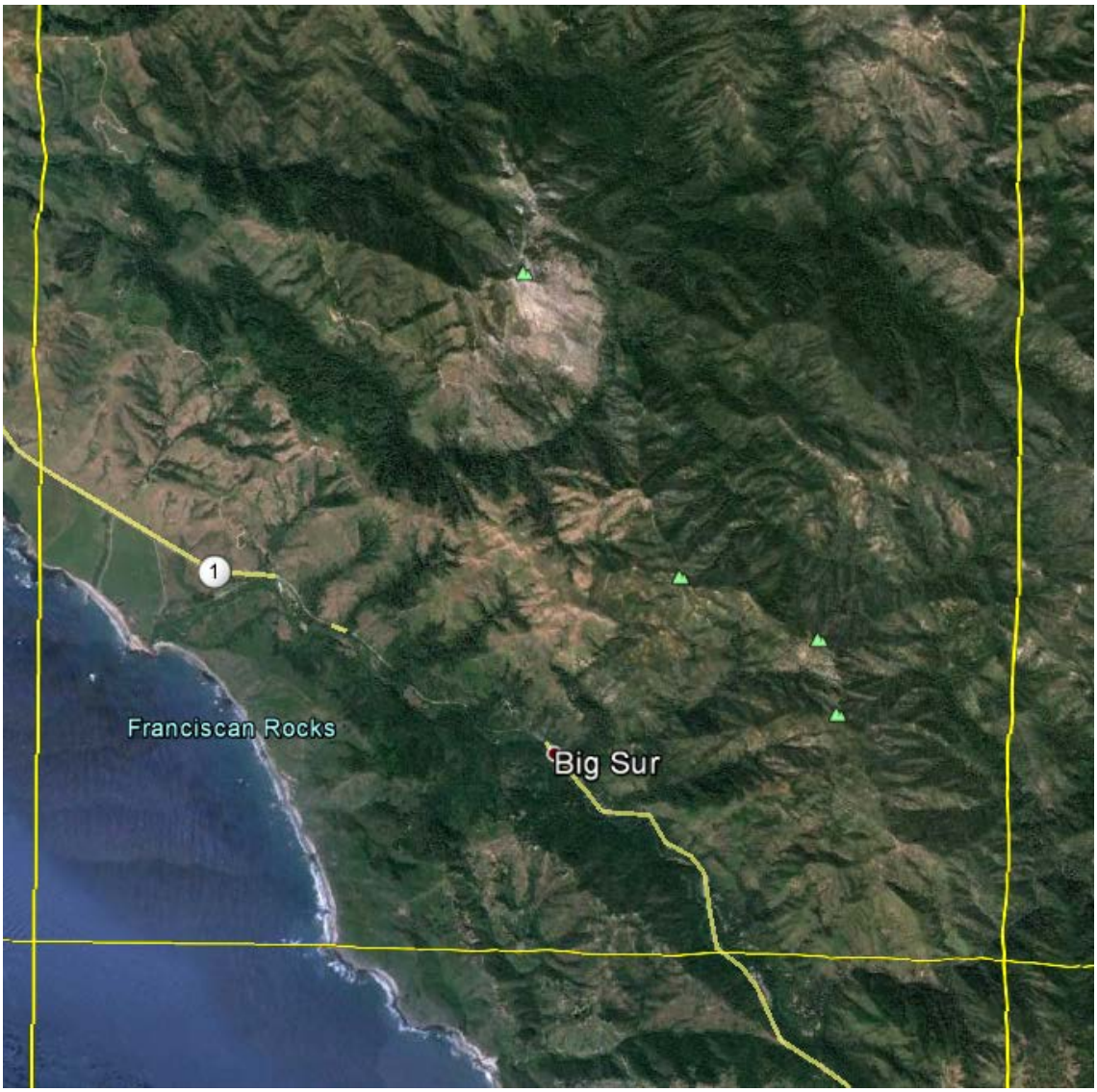


Take advantage of Google Earth tools to help you find your project area. Click on Roads / Borders / Labels to use these as landmarks when locating the quad that contains your area.



Turn on the Quad Names to further help you (Check the box next to "Quad Name" In the List of Files), see page 6.

Once you have identified the pertinent area **left mouse click** within the yellow outline of the quad. The species information will be visible in a pop-up window.



Quad Name **Big Sur**
Quad Number **36121-C7**

ESA Anadromous Fish

SONCC Coho ESU (T) -
CCC Coho ESU (E) -
CC Chinook Salmon ESU (T) -
CVSR Chinook Salmon ESU (T) -
SRWR Chinook Salmon ESU (E) -
NC Steelhead DPS (T) -
CCC Steelhead DPS (T) -
SCCC Steelhead DPS (T) - **X**
SC Steelhead DPS (E) -
CCV Steelhead DPS (T) -
Eulachon (T) -
sDPS Green Sturgeon (T) - **X**

ESA Anadromous Fish Critical Habitat

SONCC Coho Critical Habitat -
CCC Coho Critical Habitat -
CC Chinook Salmon Critical Habitat -
CVSR Chinook Salmon Critical Habitat -
SRWR Chinook Salmon Critical Habitat -
NC Steelhead Critical Habitat -
CCC Steelhead Critical Habitat -
SCCC Steelhead Critical Habitat - **X**
SC Steelhead Critical Habitat -
CCV Steelhead Critical Habitat -
Eulachon Critical Habitat -
sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

Range Black Abalone (E) - **X**
Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat - **X**

ESA Sea Turtles

East Pacific Green Sea Turtle (T) - **X**
Olive Ridley Sea Turtle (E) - **X**
Leatherback Sea Turtle (E) - **X**
North Pacific Loggerhead Sea Turtle (E) - **X**

The first 2 items are the USGS Quadrangle Name and the Quadrangle Number

The next section displays the Endangered Species Act (ESA) Listed Anadromous Fish. Any item on the list that has an **X** next to it indicates that species may be present within the quad. A code of (T) means the species is ESA Threatened. An (E) means it is Endangered. See the Glossary within the KMZ List of Files (titled "Glossary and Scientific Names").

The second section denotes whether Critical Habitat for any ESA Anadromous Fish exists within the quad.

Next, ESA listed Marine Invertebrates (White and Black Abalone) are displayed.

Followed by Critical Habitat for Black Abalone

ESA Sea Turtle presence is the next section.

The ESA listed whales follow

ESA Whales

Blue Whale (E) - X
Fin Whale (E) - X
Humpback Whale (E) - X
Southern Resident Killer Whale (E) - X
North Pacific Right Whale (E) - X
Sei Whale (E) - X
Sperm Whale (E) - X

ESA Pinnipeds

Guadalupe Fur Seal (T) - X

Essential Fish Habitat

Coho EFH -
Chinook Salmon EFH -
Groundfish EFH - X
Coastal Pelagics EFH - X
Highly Migratory Species EFH - X

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds
See list at left and consult the NMFS Long Beach office
562-980-4000

MMPA Cetaceans - X
MMPA Pinnipeds - X

And the ESA listed pinnipeds

Essential Fish Habitat for coho and Chinook salmon, groundfish, coastal pelagics, and highly migratory species is listed

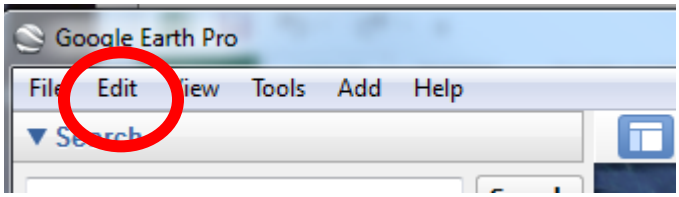
Finally, the Marine Mammal Protection Act species are addressed.

The NMFS contact is identified and the presence of cetaceans and/or pinnipeds is indicated. The full list of MMPA species is available at the left in the List of Files by clicking on the heading "MMPA Species."

Copying the Species List Data

With the Species pop-up list open you can copy the contents of the window and paste it into your own document.

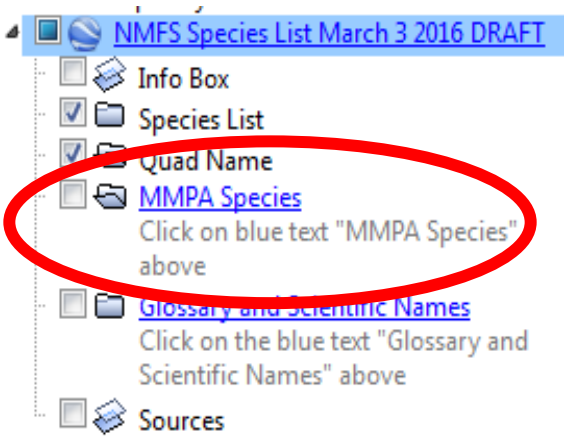
Place your cursor in the top left of the pop-up box, press the left finger pad and hold it down as you move the cursor down the box. The contents of the box will be highlighted in blue as you move the cursor down. Once at the bottom of the box release the finger pad. Go to the top Menu to Edit.



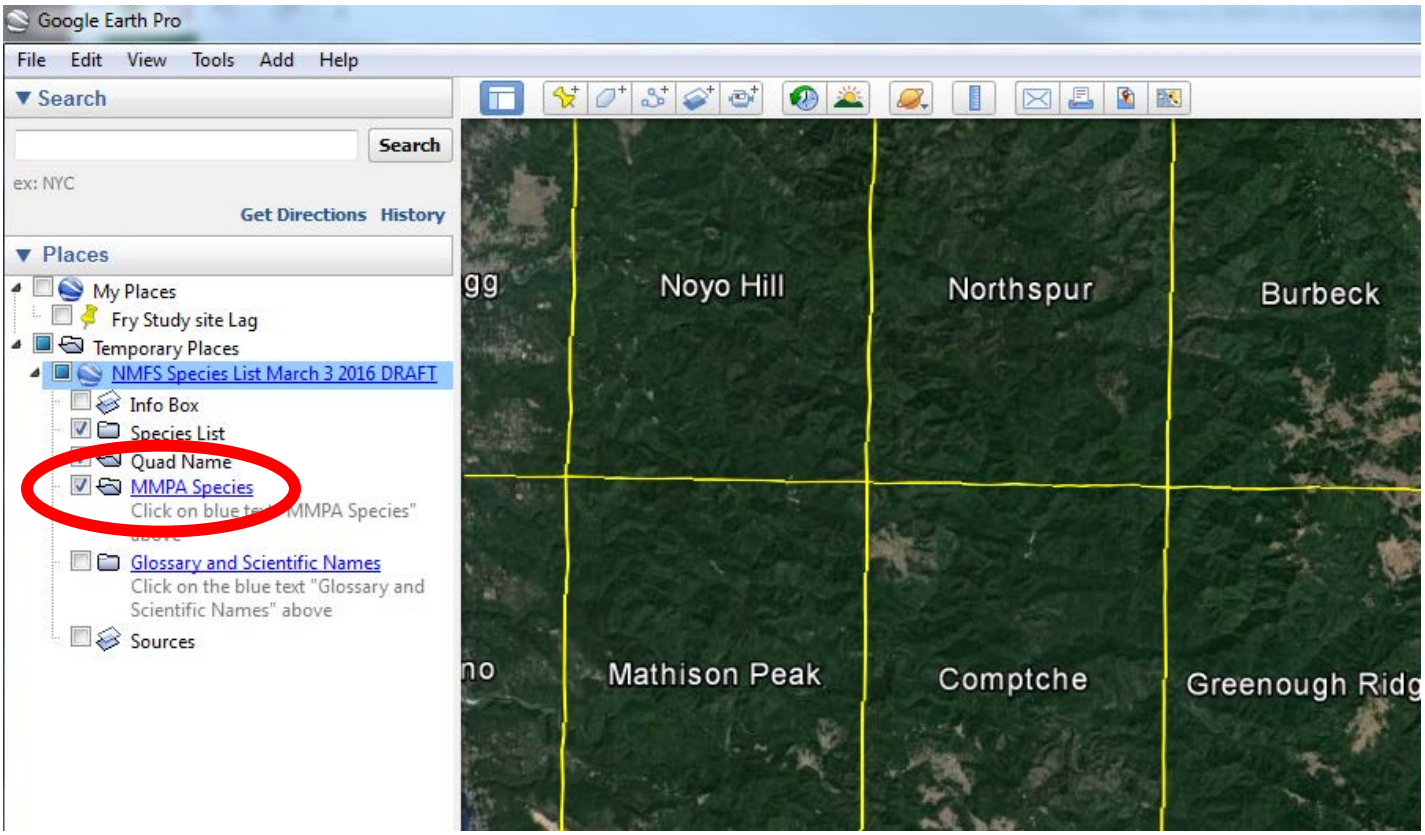
Click Edit, then click Copy. Now go to your document and paste. The data will paste in as a table.

The Marine Mammal Protection Act (MMPA) Species

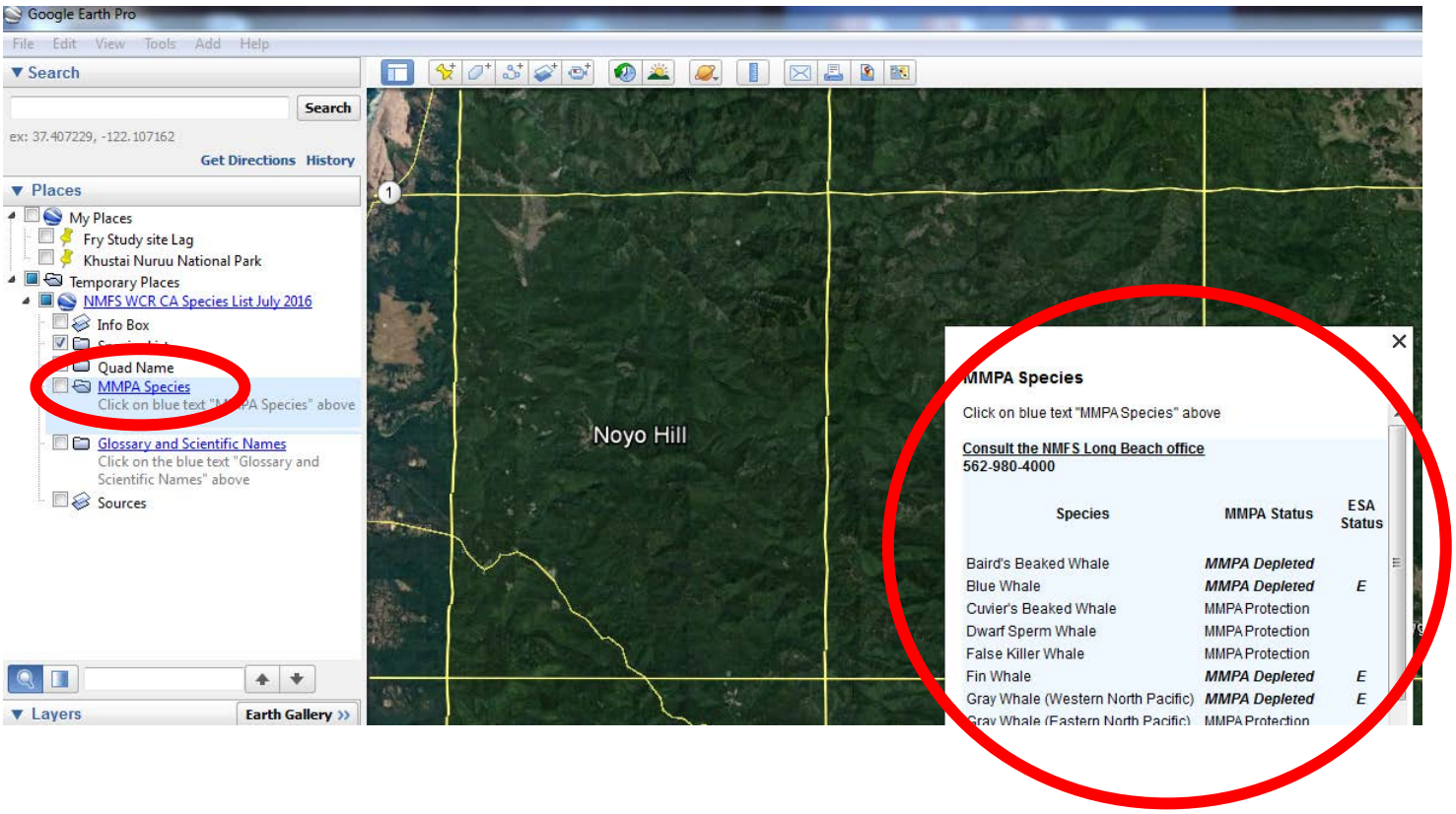
To obtain the list of MMPA species, look to the left at the List of Files. There is an entry titled “MMPS Species”



Simply checking the box next to the words “MMPA Species” will not yield any results



You must click on the **BLUE TEXT** (MMPA Species) to make the list visible


Google Earth Pro
File Edit View Tools Add Help
Search
Search
ex: 37.407229, -122.107162
Get Directions History
Places
My Places
Fry Study site Lag
Khustai Nuruu National Park
Temporary Places
NMFS WCR CA Species List July 2016
Info Box
Quad Name
MMPA Species
Click on blue text "MMPA Species" above
Glossary and Scientific Names
Click on the blue text "Glossary and Scientific Names" above
Sources
Layers
Earth Gallery
Noyo Hill
MMPA Species
Click on blue text "MMPA Species" above
Consult the NMFS Long Beach office
562-980-4000
Species
MMPA Status
ESA Status
Baird's Beaked Whale MMPA Depleted
Blue Whale MMPA Depleted E
Cuvier's Beaked Whale MMPA Protection
Dwarf Sperm Whale MMPA Protection
False Killer Whale MMPA Protection
Fin Whale MMPA Depleted E
Gray Whale (Western North Pacific) MMPA Depleted E

MMPA Species

Click on blue text "MMPA Species" above

Consult the NMFS Long Beach office
562-980-4000

Contains phone contact information

Species	MMPA Status	ESA Status
Baird's Beaked Whale	***MMPA Depleted***	
Blue Whale	***MMPA Depleted***	*E*
Cuvier's Beaked Whale	MMPA Protection	
Dwarf Sperm Whale	MMPA Protection	
False Killer Whale	MMPA Protection	
Fin Whale	***MMPA Depleted***	*E*
Gray Whale (Western North Pacific)	***MMPA Depleted***	*E*
Gray Whale (Eastern North Pacific)	MMPA Protection	
Hubb's Beaked Whale	MMPA Protection	
Humpback Whale	***MMPA Depleted***	*E*
Killer Whale (Southern Resident)	***MMPA Depleted***	*E*
Killer Whale	***MMPA Depleted***	
Minke Whale	MMPA Protection	
North Pacific Right Whale	***MMPA Depleted***	*E*
Pygmy Sperm Whale	MMPA Protection	
Sei Whale	***MMPA Depleted***	*E*
Short Finned Pilot Whale	MMPA Protection	
Sperm Whale	***MMPA Depleted***	*E*
Stejneger's Beaked Whale	MMPA Protection	
Dall's Porpoise	MMPA Protection	
Harbor Porpoise	MMPA Protection	
Northern Right Whale Dolphin	MMPA Protection	
Pacific White Sided Dolphin	MMPA Protection	
Risso's Dolphin	MMPA Protection	
Short Beaked Common Dolphin	MMPA Protection	
Striped Dolphin	MMPA Protection	
California Sea Lion	MMPA Protection	
Guadalupe Fur Seal	***MMPA Depleted***	*T*
Northern Elephant Seal	MMPA Protection	
Northern Fur Seal	***MMPA Depleted***	
Pacific Harbor Seal	MMPA Protection	
Steller Sea Lion	MMPA Protection	

All MMPA species are listed.

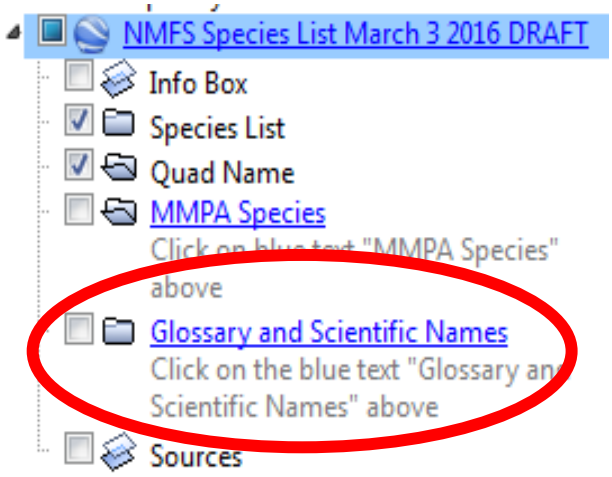
First whales, followed by porpoises, dolphins, then pinnipeds.

The MMPA status is listed (Protected or Depleted).

And the ESA status is listed (Threatened or Endangered).

Glossary and Scientific Names

Similar to the MMPA Species List, to obtain the Glossary and Scientific Names list you must click on the BLUE TEXT (Glossary and Scientific Names) in the List of Files, not on the check box nest to the title



Glossary and Scientific Names

Click on the blue text "Glossary and Scientific Names" above

Code	Defitition
CC	California Coastal
CCC	Central California Coast
CCV	California Central Valley
CH	Critical Habitat
CVF	Central Valley Fall / Late Fall
CVSR	Central Valley Spring-run
DPS	Distinct Population Segment
E	Endangered Species Act Endangered
EFH	Essential Fish Habitat
ESU	Evolutionarily Significant Unit
MMPA	Marine Mammal Protection Act
NC	Northern California
NMFS	National Marine Fisheries Service
SC	Southern California
SCCC	South-central California Coast
sDPS	Southern Distinct Population Segment
SONCC	Southern Oregon /Northern California Coast
SRWR	Sacramento River Winter-run
T	Endangered Species Act Threatened

NMFS ESA Species

Anadromous Fish

Chinook Salmon (*Oncorhynchus tshawytscha*)
Coho Salmon (*Oncorhynchus kisutch*)
Steelhead (*Oncorhynchus mykiss*)
Green Sturgeon (*Acipenser medirostris*)
Eulachon (*Thaleichthys pacificus*)

Invertebrates

Black Abalone (*Haliotis cracherodii*)
White Abalone (*Haliotis sorenseni*)

Sea Turtles

Green Turtle (*Chelonia mydas*)
Leatherback Turtle (*Dermochelys coriacea*)
Loggerhead Turtle (*Caretta caretta*)
Olive Ridley Turtle (*Lepidochelys olivacea*)

Cetaceans

Blue Whale (Balaenoptera musculus)
Fin Whale (*Balaenoptera physalus*)
Humpback Whale (*Megaptera novaeangliae*)
Killer whale (Southern Resident) (*Orcinus orca*)
North Pacific Right Whale (*Eubalaena japonica*)
Sei Whale (*Balaenoptera borealis*)
Sperm Whale (*Physeter macrocephalus*)

Pinnipeds

Guadalupe Fur Seal (*Arctocephalus townsendi*)

NMFS MMPA Species

Whales

Baird's Beaked Whale (*Berardius bairdii*)
Cuvier's Beaked Whale (*Ziphius cavirostris*)
Dwarf Sperm Whale (*Kogia sima*)
False Killer Whale (*Pseudorca crassidens*)
Gray Whale (*Eschrichtius robustus*)
Hubb's Beaked Whale (*Mesoplodon carlhubbsi*)
Killer whale (*Orcinus orca*)
Minke Whale (*Balaenoptera acutorostrata*)
Pygmy Sperm Whale (*Kogia breviceps*)
Short Finned Pilot Whale (*Globicephala macrorhynchus*)
Stejneger's Beaked Whale (*Mesoplodon stejnegeri*)

Porpoises

Dall's Porpoise (*Phocoenoides dalli*)
Harbor Porpoise (*Phocoena phocoena*)

Dolphins

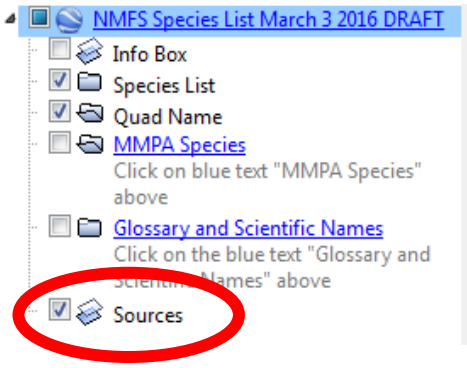
Northern Right Whale Dolphin (*Lissodelphis borealis*)
Pacific White Sided Dolphin (*Lagenorhynchus obliquidensv)*
Risso's Dolphin (*Grampus griseus*)
Short Beaked Common Dolphin (*Delphinus delphis*)
Striped Dolphin (*Stenella coeruleoalba*)

Pinnipeds

California Sea Lion (*Zalophus californianus*)
Northern Elephant Seal (*Mirounga angustirostris*)
Northern Fur Seal (*Callorhinus ursinus*)
Pacific Harbor Seal (*Phoca vitulina*)
Steller Sea Lion (*Eumetopias jubatus*)

The Sources List

To View the Reference Sources for the data click on the box in the List of Files next to the word “Sources” (uncheck the box to remove the list)



Data sources for the Quads, ESU/DPS Boundaries, Critical Habitat, Distribution, and Essential Fish Habitat are listed

Data Sources		
Quads - 1:24,000 USGS Topographic Quadrangles		http://viewer.nationalmap.gov/basic/
ESU / DPS - Boundary files for species population		http://www.westcoast.fisheries.noaa.gov/maps_data/species_population_boundaries.html
Critical Habitat - spatial or narrative CH reference		http://www.westcoast.fisheries.noaa.gov/maps_data/endangered_species_act_critical_habitat.html
	SONCC Coho	
	CC Coho	
	NC Steelhead	
	CCC Steelhead	
	SCCC Steelhead	
	SC Steelhead	
	CCV Steelhead	
	CC Chinook	
	CVSR Chinook	
	SRWR Chinook	
	Green Sturgeon	
	Black Abalone	
	Leatherback Sea Turtle	
	Eulachon	
Distribution		
	Coho Salmon	http://www.calfish.org/
	Steelhead	http://www.calfish.org/
	Chinook Salmon	http://www.calfish.org/
	Cetaceans	http://marinecadastre.gov/ : http://www.nmfs.noaa.gov/pr/species/mammals/
	Green Sea Turtle	http://www.nmfs.noaa.gov/pr/species/turtles/green.html
	Leatherback Sea Turtle / Critical Habitat	http://www.nmfs.noaa.gov/pr/species/turtles/leatherback.html
	North Pacific DPS Loggerhead Sea Turtle	http://www.nmfs.noaa.gov/pr/species/turtles/loggerhead.html
	Olive Ridley Sea Turtle	http://www.nmfs.noaa.gov/pr/species/turtles/oliveridley.html
	Black Abalone	http://www.fisheries.noaa.gov/pr/species/invertebrates/abalone/black-abalone.html
	White Abalone	http://www.fisheries.noaa.gov/pr/species/invertebrates/abalone/white-abalone.html
	Eulachon	http://www.fisheries.noaa.gov/pr/species/fish/eulachon.html
	Green Sturgeon	http://www.fisheries.noaa.gov/pr/species/fish/green-sturgeon.html
	Steller Sea Lion	http://www.fisheries.noaa.gov/pr/species/mammals/sealions/steller-sea-lion.html
	Guadalupe Fur Seal	http://www.fisheries.noaa.gov/pr/species/mammals/seals/guadalupe-fur-seal.html
	Other Pinnipeds	http://www.nmfs.noaa.gov/pr/species/mammals/
Essential Fish Habitat		http://www.westcoast.fisheries.noaa.gov/habitat/fish_habitat/efh_consultations_go.html
	Salmon	http://www.westcoast.fisheries.noaa.gov/habitat/fish_habitat/efh_consultations_go.html
	Groundfish	http://www.westcoast.fisheries.noaa.gov/habitat/fish_habitat/efh_consultations_go.html
	Coastal Pelagics	http://www.westcoast.fisheries.noaa.gov/habitat/fish_habitat/efh_consultations_go.html
	Highly Migratory Species	http://www.westcoast.fisheries.noaa.gov/habitat/fish_habitat/efh_consultations_go.html

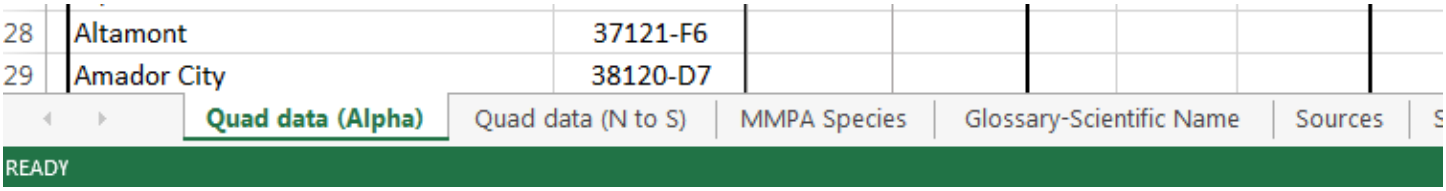
Microsoft Excel Spreadsheet

The Excel Spreadsheet provides a tabular means of determining the NMFS species that may be present within a 1:24,000 (7.5 minute) USGS topographic quadrangle. It contains all the same information as the KMZ but presents it in a non-spatial manner.

Unlike the KMZ, there is not a visual means to locate your area of interest. To use the spreadsheet you must already know the USGS Quad(s) the project falls within.

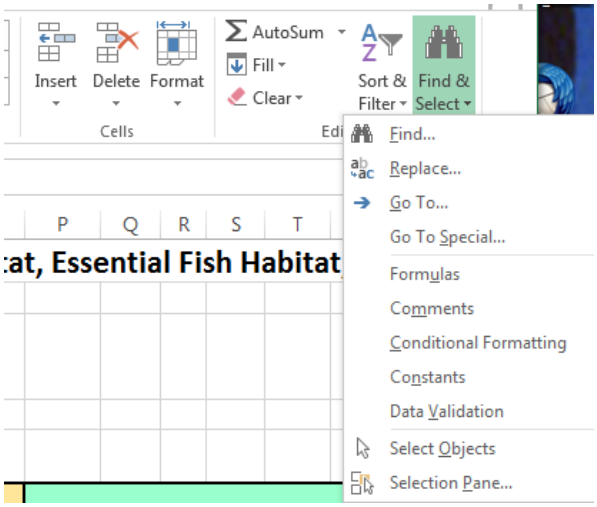
Tabs within the Spreadsheet

Upon opening the spreadsheet with the Excel program, you will notice tabs along the bottom:

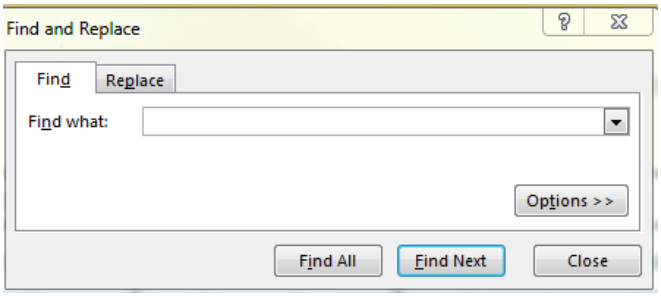


Using the first 2 tabs you can search for the necessary quad either alphabetically or numerically. The first tab ("Quad data (Alpha)") lists all the quads within NMFS influence in alphabetical order by the official USGS name. The second tab (Quad data (N to S)") lists all the quads numerically, north to south, using the USGS number system.

Use the Excel Find Tool (found at the right-side end of the Excel "Home" tab across the top).



Choose “Find” and type in the quad name or number, depending on how you choose to search, into the “Find what” window.



You will need to enter the name/number correctly

Alternatively, if you are familiar with it, you may use the Filter tool.

You may also scroll down the spreadsheet until you find your desired listing

Obtaining Species List Data from the Spreadsheet

Similar to the KMZ, the Species List data is represented by an "X" in a cell. If the feature listed in a column heading may be present within a Quad, the cell that corresponds to the proper column and row will have an "X."

The Quad name/number is listed by rows and the Species data is arranged by columns. After finding your quad of interest, read across the row to obtain the information required for a Species List.

ESA ANADROMOUS FISH (E) = Endangered, (T) = Threatened												ESA ANADROMOUS FISH CRITICAL HABITAT											
COHO		CHINOOK			STEELHEAD					Eulachon (T)	Southern DPS Green Sturgeon (T)	COHO		CHINOOK			STEELHEAD					Eulachon	Southern DPS Green Sturgeon
SONCC (T)	CCC (E)	CC (T)	CVSR (T)	SRWR (E)	NC (T)	CCC (T)	SCCC (T)	SC (E)	CCV (T)			SONCC	CCC	CC	CVSR	SRWR	NC	CCC	SCCC	SC	CCV		

The first major group, ESA Anadromous Fish, contains the Endangered Species Act listed salmonids, eulachon, and green sturgeon. Each species is listed by name and its ESA status (Threatened or Endangered). See the "Glossary-Scientific Name" Excel tab for the description of the abbreviations.	The second group lists the presence of Critical Habitat for the ESA Anadromous Fish.

ESA MARINE INVERTEBRATES		ESA MARINE INVERT. CRITICAL HABITAT	ESA SEA TURTLES				ESA WHALES	ESA PINNIPEDS	ESSENTIAL FISH HABITAT				MMPA SPECIES	
Black Abalone (E)	White Abalone (E)	Black Abalone	Green Sea Turtle (E)	Olive Ridley Sea Turtle (E)	Leatherback Sea Turtle (E)	Loggerhead Sea Turtle (T)	Whales (see list below)	Guadalupe Fur Seal (T)	SALMON Coho Chinook	Groundfish	Coastal Pelagic	Highly Migratory Species	MMPA Cetaceans (see "MMPA Species" tab for list)	MMPA Pinnipeds (see "MMPA Species" tab for list)

The next seven groupings contain information on the ESA listed Invertebrates (Balck and White Abalone), Black Abalone Critical Habitat, ESA listed Sea Turtles, ESA listed whales and pinnipeds, Essential Fish Habitat for salmon, groundfish, coastal pelagics, and highly migratory species. The Marine Mammal Protection Act Species are listed in the final 2 columns.

X = Present on the Quadrangle		ESA ANADROMOUS FISH (E) = Endangered, (T) = Threatened												ESA ANADROMOUS FIS						
		COHO		CHINOOK			STEELHEAD					Eulachon (T)	Southern DPS Green Sturgeon (T)	COHO		CHINOOK			STE	
Quad Name	Quad Number	SONCC (T)	CCC (E)	CC (T)	CVSR (T)	SRWR (E)	NC (T)	CCC (T)	SCCC (T)	SC (E)	CCV (T)			SONCC	CCC	CC	CVSR	SRWR	NC	CCC
Albion	39123-B7		X	X			X						X		X	X			X	
Alder Peak	35121-H3								X											

Reading the first row of this snippet, you'll see "X's" across the row. Each "X" indicates possible presence of the feature in the column above the "X". This example shows the Albion quad, number 39123-B7, may contain CCC Coho (an Endangered species), CC Chinook (Threatened), NC Steelhead (Threatened), sDPS Green Sturgeon (Threatened), and Critical Habitat for CCC Coho, CC Chinook, and NC Steelhead.

MMPA Species tab

The MMPA (Marine Mammal Protection Act) tab identifies the NMFS person to contact regarding MMPA species.

Each species is itemized (whales, porpoise, dolphin, pinnipeds), its MMPA status related (Depleted, Protected), and its ESA status, if present.

1	**MMPA Species**		
2			
3	Consult the NMFS Long Beach office		
4	562-980-4000		
5			
6	***Species***	***MMPA Status***	***ESA Status***
7			
8	Baird's Beaked Whale	***MMPA Depleted***	
9	Blue Whale	***MMPA Depleted***	***E***
10	Cuvier's Beaked Whale	MMPA Protection	
11	Dwarf Sperm Whale	MMPA Protection	
12	False Killer Whale	MMPA Protection	
13	Fin Whale	***MMPA Depleted***	***E***
14	Gray Whale (Western North Pacific)	***MMPA Depleted***	***E***
15	Gray Whale (Eastern North Pacific)	MMPA Protection	
16	Hubb's Beaked Whale	MMPA Protection	
17	Humpback Whale	***MMPA Depleted***	***E***
18	Killer Whale (Southern Resident DPS)	***MMPA Depleted***	***E***
19	Killer Whale	***MMPA Depleted***	
20	Minke Whale	MMPA Protection	
21	North Pacific Right Whale	***MMPA Depleted***	***E***
22	Pygmy Sperm Whale	MMPA Protection	
23	Sei Whale	***MMPA Depleted***	***E***
24	Short Finned Pilot Whale	MMPA Protection	
25	Sperm Whale	***MMPA Depleted***	***E***
26	Stejneger's Beaked Whale	MMPA Protection	

Glossary-Scientific Name tab

The Glossary gives the definition for the codes/abbreviations used in the Excel spreadsheet. Rows 3-22 shows all codes itemized alphabetically followed by the description of the code

The following rows, 25-97 itemizes the species entrusted to NMFS. The first column is the common name and the second column is the scientific name.

The first block (rows 25-59) contains the NMFS species that are listed under the Endangered Species Act. This group is further broken down by categories of Anadromous Fish, Invertebrates, Sea Turtles, Cetaceans, and Pinnipeds. The second block (rows 61-98) contains the NMFS species that area listed under the Marine Mammal Protection Act.

The Sources tab

This tab give references for the data supplied in the quad list tabs.