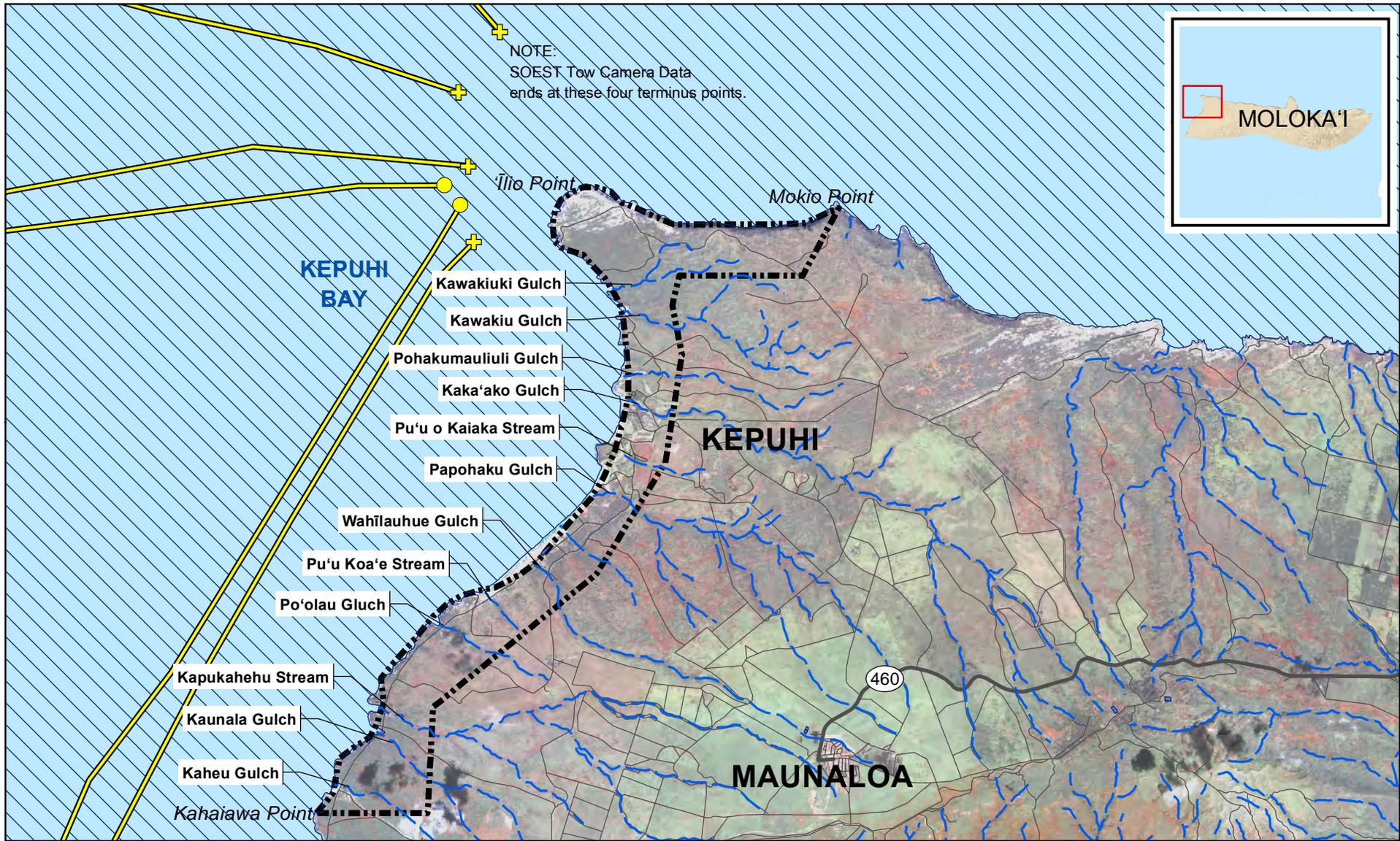
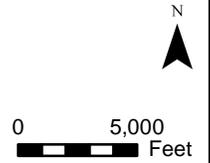


Figure 3.14-17



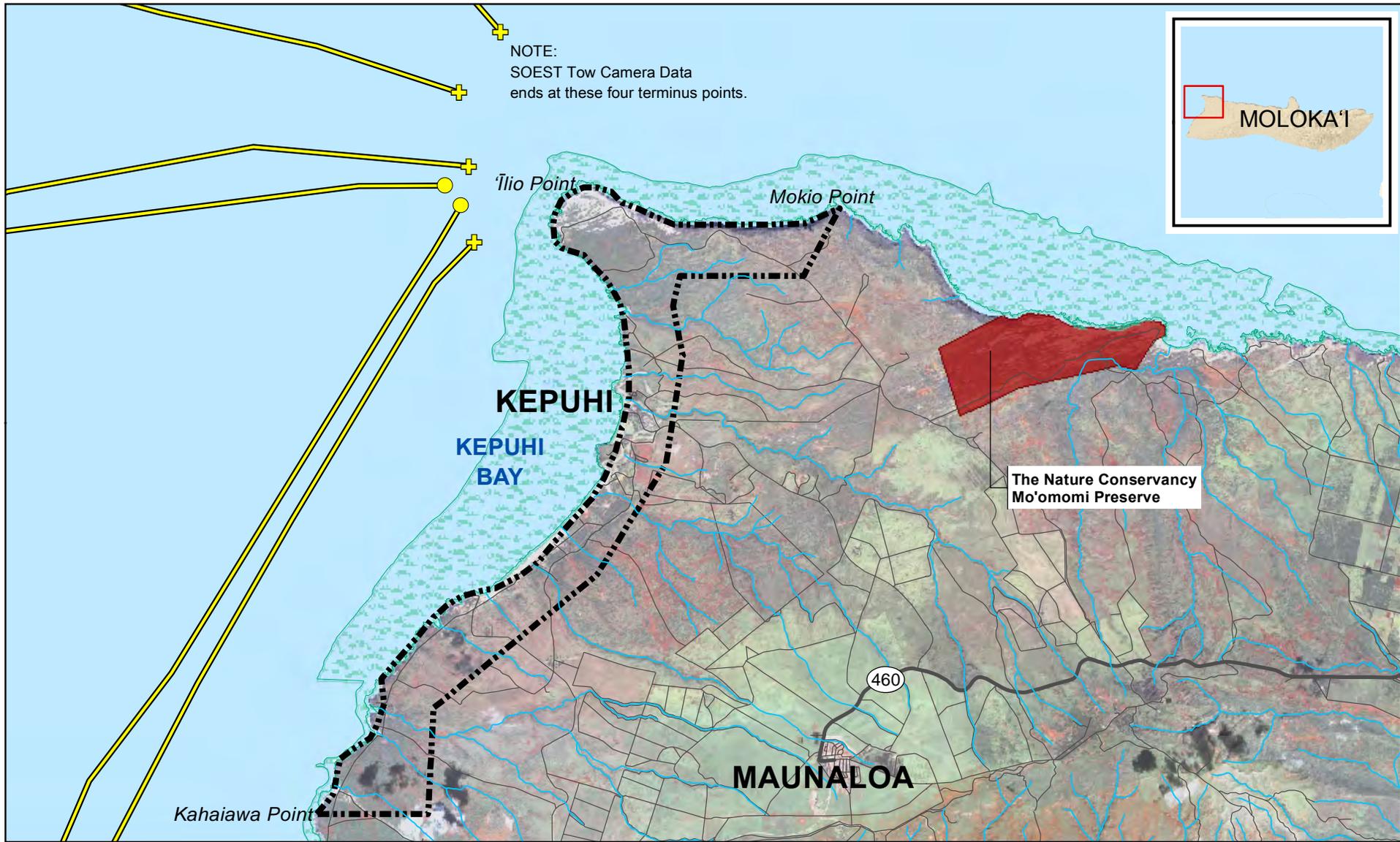
**West Moloka'i Landing Site Area: Water Bodies, Wetlands, and Riparian Areas**

- |                              |                |                     |                                   |
|------------------------------|----------------|---------------------|-----------------------------------|
| Route with camera data *     | <b>Streams</b> | <b>Wetland Type</b> | Freshwater Emergent Wetland       |
| Route without camera data ** | Perennial      | Freshwater Pond     | Freshwater Forested/Shrub Wetland |
| Highways & Major Roads       | Non-Perennial  | Lake                | Estuarine and Marine Wetland      |
| Other Roads                  | Intermittent   | Riverine            | Estuarine and Marine Deepwater    |
| SOEST Cable Routes           |                |                     | Open Water                        |
| HIREP Study Analysis Area    |                |                     |                                   |



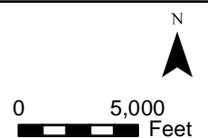
\* Symbol denotes shoreward extent of tow camera data for cable route (unless otherwise noted).  
 \*\* Symbol denotes shoreward approach of cable route without tow camera data.

**Figure 3.14-18**



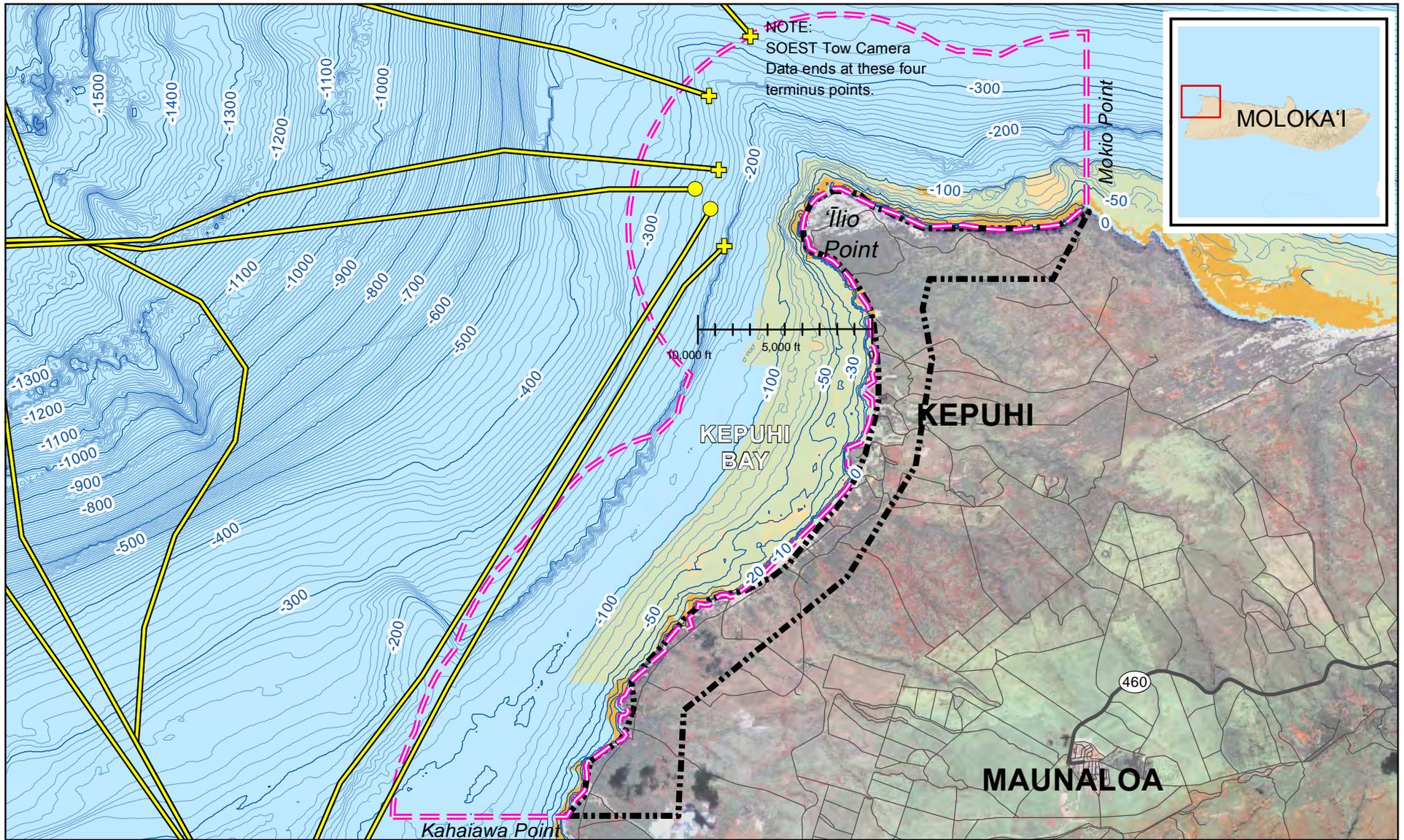
**West Moloka'i Landing Site Area: Terrestrial Habitat and Reserves**

- + Route with camera data \*
- Route without camera data \*\*
- Highways & Major Roads
- Other Roads
- SOEST Cable Routes
- HIREP Study Analysis Area
- Nearshore Coral Reefs \*\*\*
- Drainages, Rivers and Streams
- Open Water
- Reserves (2011)**
- The Nature Conservancy (TNC)



\* Symbol denotes shoreward extent of tow camera data for cable route (unless otherwise noted).  
 \*\* Symbol denotes shoreward approach of cable route without tow camera data.  
 \*\*\* Coral data is limited to the information provided in the NOAA Benthic Coral data. Certain coastal areas may be missing data or be limited in coverage.

**Figure 3.14-19**



NOTE:  
SOEST Tow Camera  
Data ends at these four  
terminus points.



### West Moloka'i Landing Site Area: Nearshore Benthic (Coral) Habitat

- |                              |                           |  |   |                       |                       |
|------------------------------|---------------------------|--|---|-----------------------|-----------------------|
| Route with camera data *     | HIREP Study Analysis Area | <b>Ocean Depth Intervals (10 ft) ***</b> | <b>Nearshore Benthic (Coral) Habitat ****</b> | Aggregate Reef        | Mud                   |
| Route without camera data ** | Known Shipwreck Locations | Major Depth Interval                     | <b>Benthic Dominant Structure Type</b>        | Aggregated Patch Reef | Sand                  |
| Highways & Major Roads       | Aids to Navigation        | Minor Depth Interval                     | Coral Pavement                                | Individual Patch Reef | Rubble                |
| Other Roads                  | 10,000 ft from Shoreline  | Open Water                               | Coral Pavement with Sand Channels             | Scattered Coral/Rock  | Artificial            |
| SOEST Cable Routes           |                           |  | Rock/Boulder                                  | Spur and Groove       | Artificial/Historical |

\* Symbol denotes shoreward extent of tow camera data for cable route (unless otherwise noted).  
 \*\* Symbol denotes shoreward approach of cable route without tow camera data.  
 \*\*\* Major depth intervals are 10 ft intervals above 50 ft in depth, and every 100 ft in depth thereafter. Minor depth intervals are the 10 ft intervals between majors.  
 \*\*\*\* Coral data is limited to the information provided in the NOAA Benthic Coral data. Certain coastal areas may be missing data or be limited in coverage.

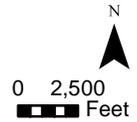
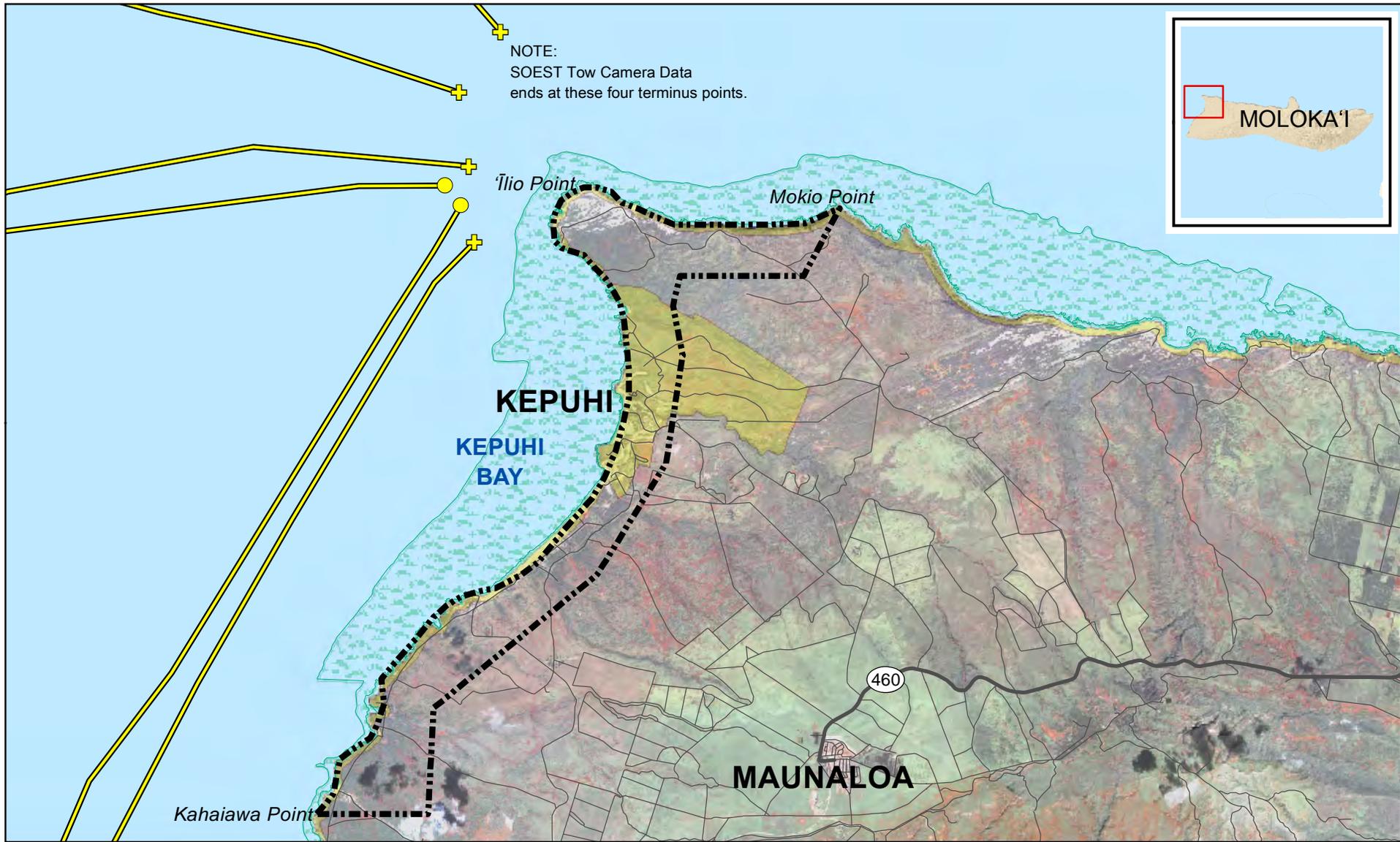
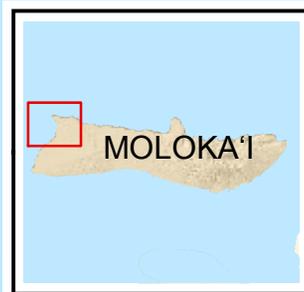


Figure 3.14-20



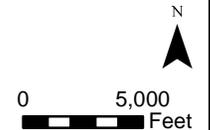
NOTE:  
SOEST Tow Camera Data  
ends at these four terminus points.



### West Moloka'i Landing Site Area: Marine and Nearshore Coastal Resources

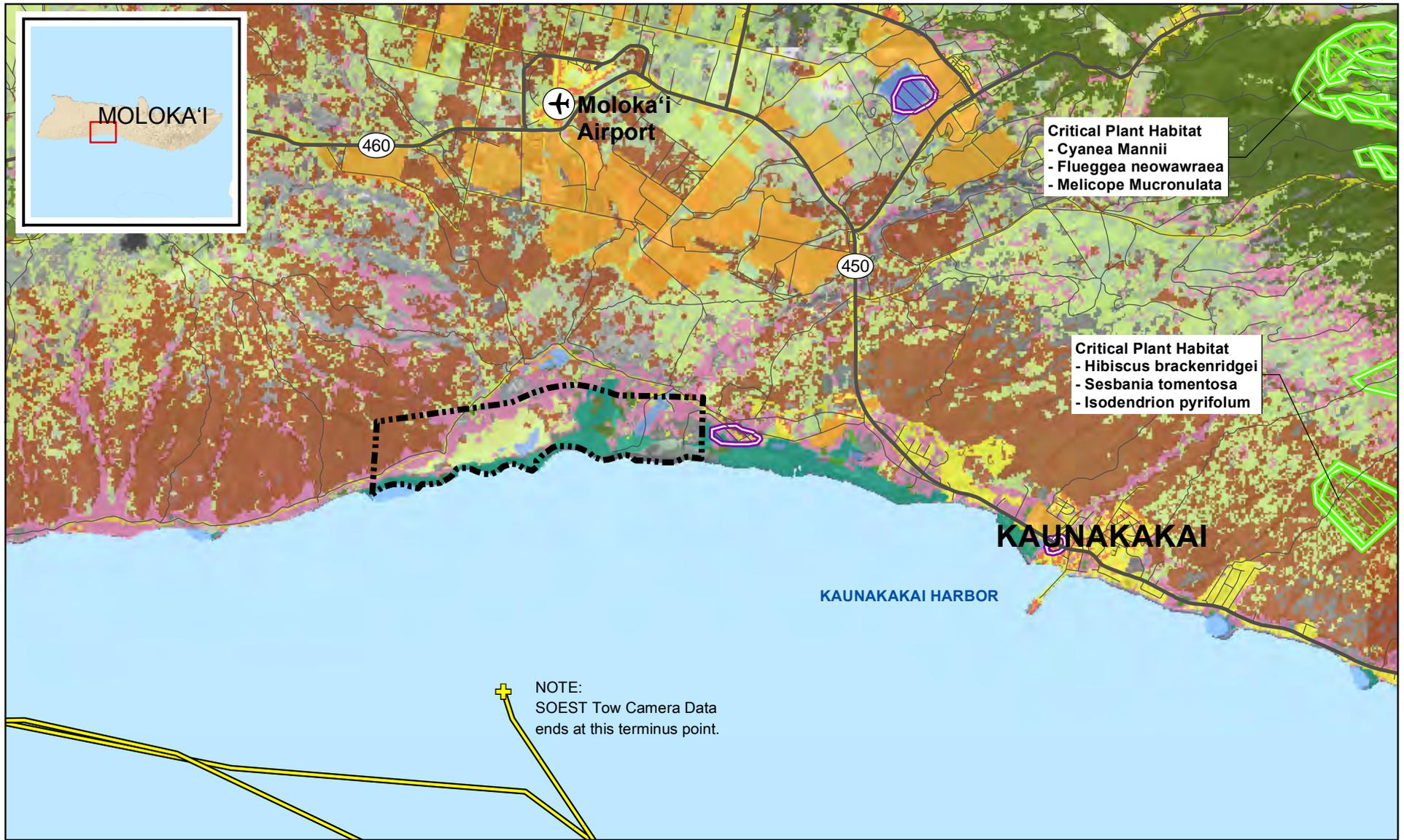
- + Route with camera data \*
- Route without camera data \*\*
- Highways & Major Roads
- Other Roads
- HIREP Study Analysis Area
- Coastal Zone Management Special Management Areas CZM-SMA (2009)
- Nearshore Coral Reefs \*\*\*
- Open Water

NOTE: Coastal Resource Activities and other marine data does not exist for this part of Moloka'i.



\* Symbol denotes shoreward extent of tow camera data for cable route (unless otherwise noted).  
 \*\* Symbol denotes shoreward approach of cable route without tow camera data.  
 \*\*\* Coral data is limited to the information provided in the NOAA Benthic Coral data. Certain coastal areas may be missing data or be limited in coverage.

Figure 3.14-21

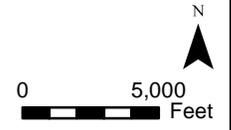


### South Moloka'i Landing Site Area: Land Cover and Critical Habitat

- Route with camera data \*
- Route without camera data \*\*
- Highways & Major Roads
- Other Roads
- HIREP Study Analysis Area
- Critical Habitat - Water Birds
- Critical Plant Habitat
- Open Water

- #### USGS GAP Analysis Land Cover
- Mixed Native-Alien Forest
  - Mixed Native-Alien Shrubs and Grasses
  - Native Shrubland/Sparse Ohia
  - Native Wet Cliff Vegetation
  - Uluhe Shrubland
  - Closed Ohia Forest
  - Ohia Forest
  - Open Koa-Ohia Forest
  - Open Ohia Forest
  - Water
  - Wetland Grasses and Sedges
  - Active Agriculture
  - Alien Shrubs and Grasses
  - Alien Trees and Shrubs
  - High Density Developed
  - Low Density Developed
  - Alien Grassland
  - Fountain Grass/Bufel Grass Grasslands
  - Alien Shrubland

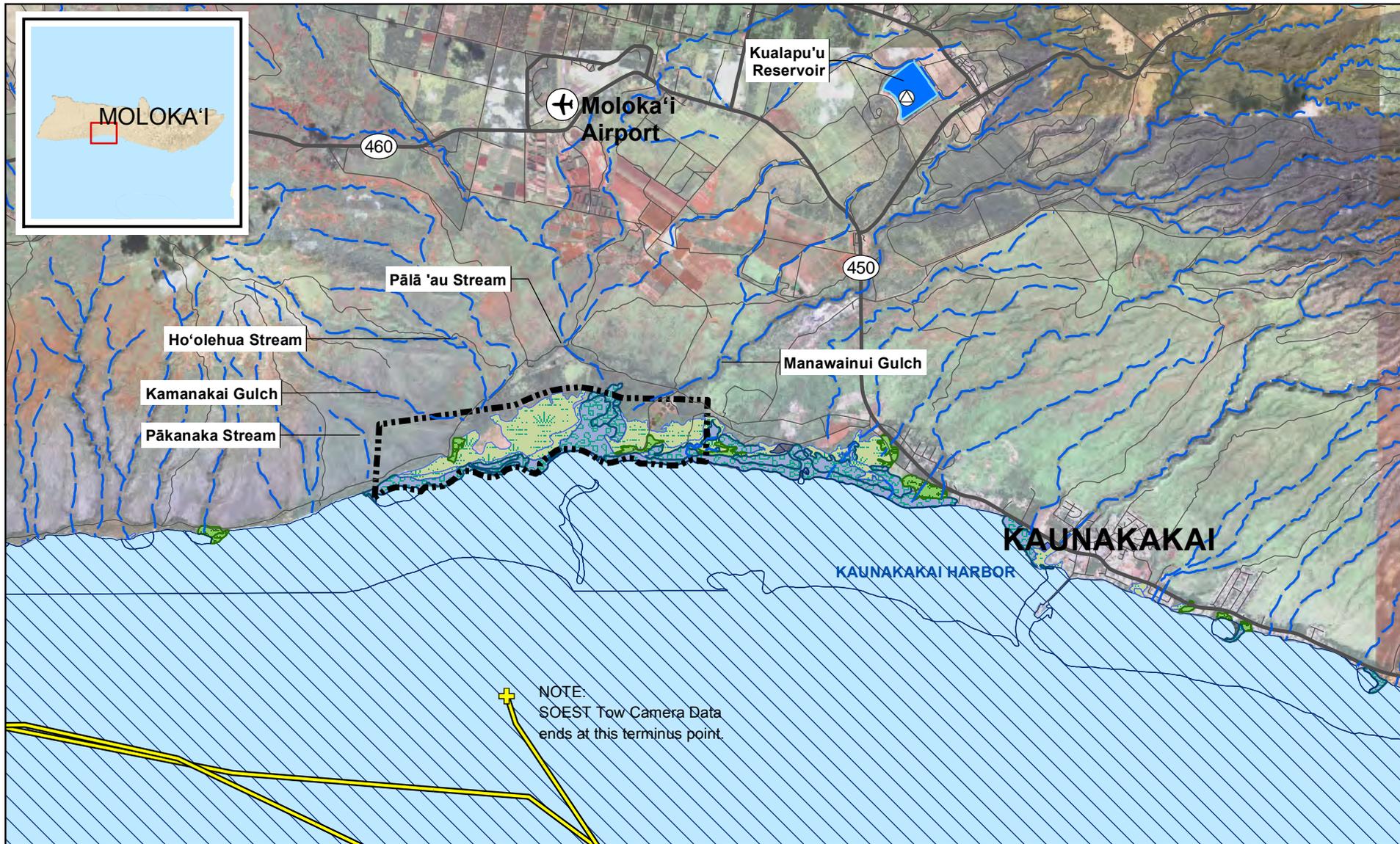
- Christmas Berry Shrubland
- Koa Haole Shrubland
- Alien Forest
- Closed Kukui Forest
- Kiawe Forest and Shrubland
- Kiawe-Koa Haole Forest and Shrubland
- Uncharacterized Forest
- Uncharacterized Shrubland
- Very Sparse Vegetation to Unvegetated



\* Symbol denotes shoreward extent of tow camera data for cable route (unless otherwise noted).  
 \*\* Symbol denotes shoreward approach of cable route without tow camera data.

Date: 4/26/2012  
 Data Sources: HI-DBEDT, CCH, UH-SOEST, AECOM, 2012

Figure 3.14-22



### South Moloka'i Landing Site Area: Water Bodies, Wetlands, and Riparian Areas

- |                              |                |                     |                                   |
|------------------------------|----------------|---------------------|-----------------------------------|
| Route with camera data *     | Dam Locations  | <b>Wetland Type</b> | Freshwater Emergent Wetland       |
| Route without camera data ** | <b>Streams</b> | Freshwater Pond     | Freshwater Forested/Shrub Wetland |
| Highways & Major Roads       | Perennial      | Lake                | Estuarine and Marine Wetland      |
| Other Roads                  | Non-Perennial  | Riverine            | Estuarine and Marine Deepwater    |
| SOEST Cable Routes           | Intermittent   | Open Water          |                                   |
| HIREP Study Analysis Area    |                |                     |                                   |

\* Symbol denotes shoreward extent of tow camera data for cable route (unless otherwise noted).  
 \*\* Symbol denotes shoreward approach of cable route without tow camera data.

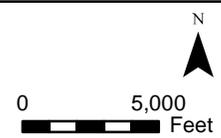
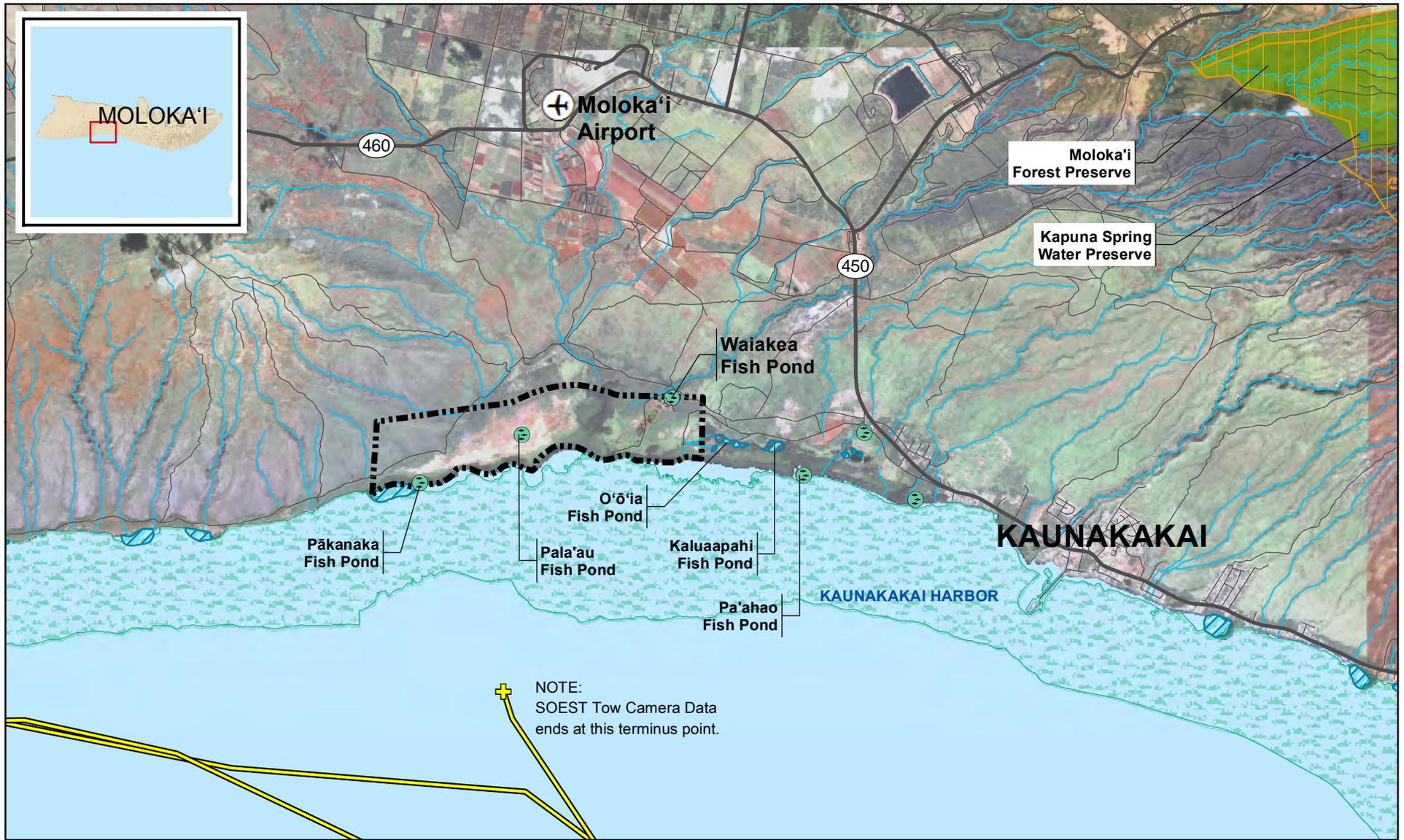


Figure 3.14-23



### South Moloka'i Landing Site Area: Terrestrial Habitat and Reserves

- |                              |                                |                        |
|------------------------------|--------------------------------|------------------------|
| Route with camera data *     | Fish Ponds (Historic & Active) | Public Hunting Areas   |
| Route without camera data ** | Fish Ponds (Areas)             | <b>Reserves (2011)</b> |
| Highways & Major Roads       | Nearshore Coral Reefs          | Forest Reserve         |
| Other Roads                  | Drainages, Rivers and Streams  | Water Reserve          |
| SOEST Cable Routes           | Open Water                     |                        |
| HIREP Study Analysis Area    |                                |                        |

\* Symbol denotes shoreward extent of tow camera data for cable route (unless otherwise noted).  
 \*\* Symbol denotes shoreward approach of cable route without tow camera data.

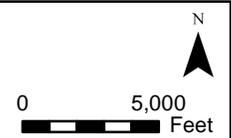
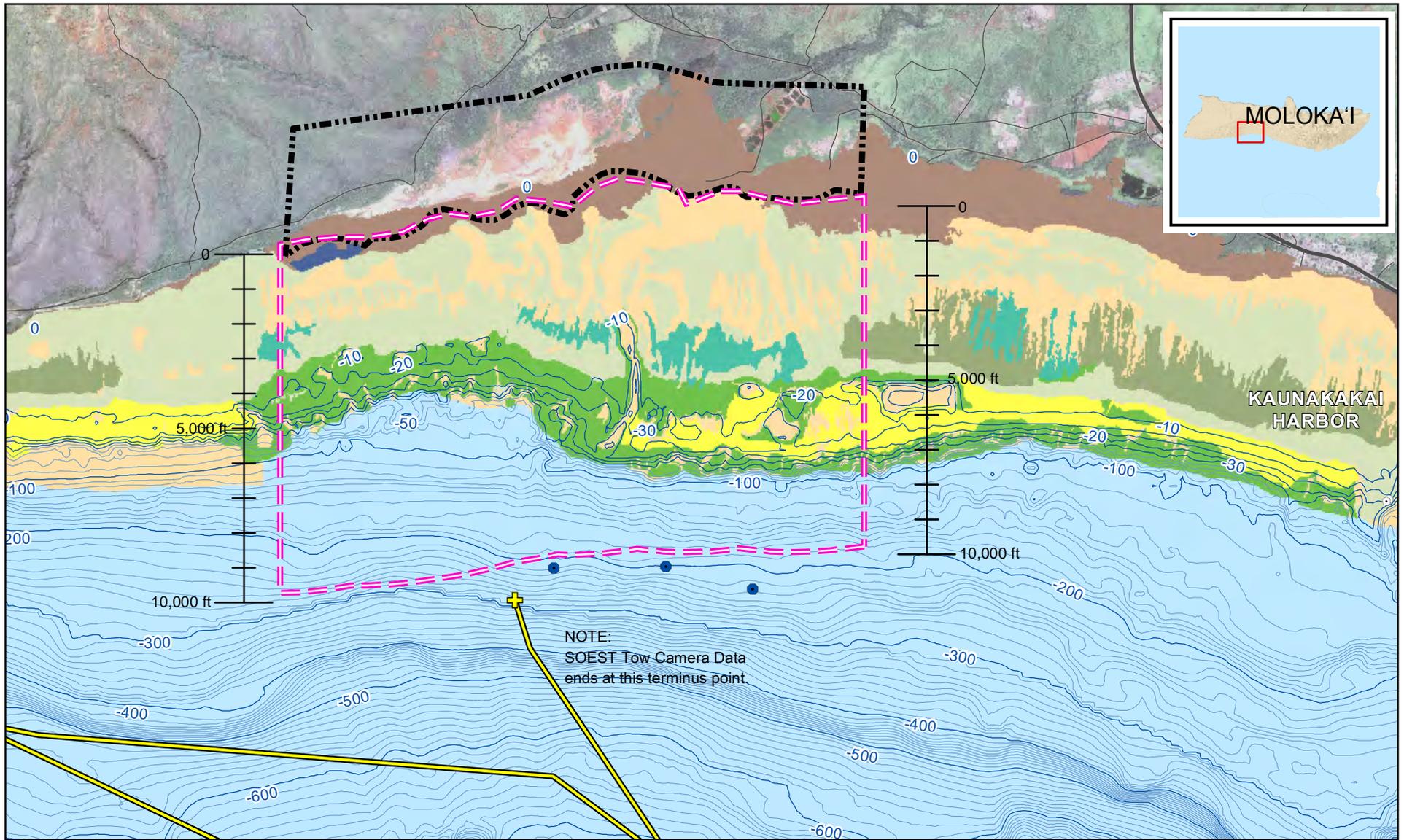


Figure 3.14-24



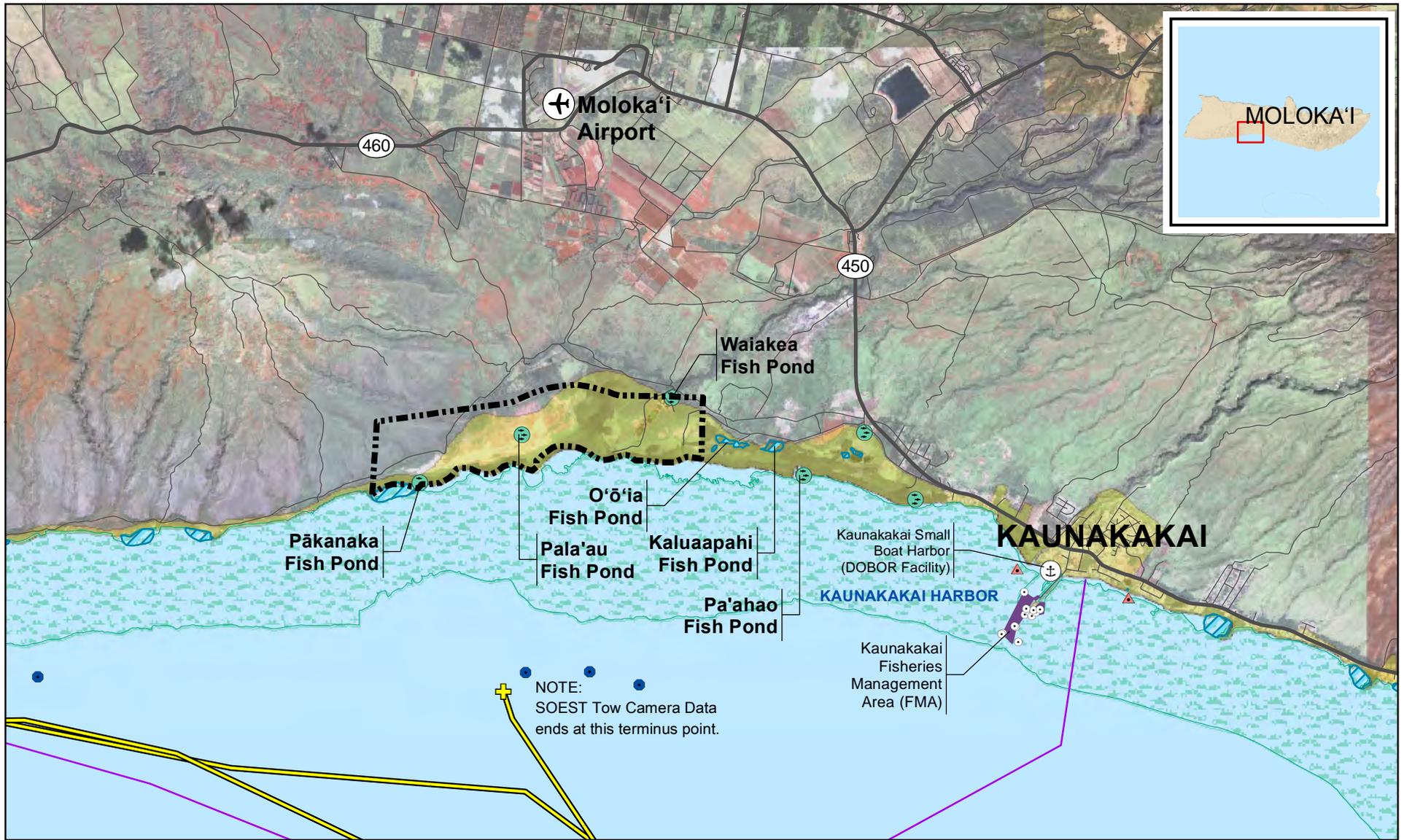
**South Moloka'i Landing Site Area: Nearshore Benthic (Coral) Habitat**

|                              |                           |  |   |                       |                       |
|------------------------------|---------------------------|--|---|-----------------------|-----------------------|
| Route with camera data *     | HIREP Study Analysis Area | <b>Ocean Depth Intervals (10 ft) ***</b> | <b>Nearshore Benthic (Coral) Habitat ****</b> | Aggregate Reef        | Mud                   |
| Route without camera data ** | Submerged Buoys           | Major Depth Interval                     | <b>Benthic Dominant Structure Type</b>        | Aggregated Patch Reef | Sand                  |
| Highways & Major Roads       | 10,000 ft from Shoreline  | Minor Depth Interval                     | Coral Pavement                                | Individual Patch Reef | Rubble                |
| Other Roads                  |                           | Open Water                               | Coral Pavement with Sand Channels             | Scattered Coral/Rock  | Artificial            |
| SOEST Cable Routes           |                           |  | Rock/Boulder                                  | Spur and Groove       | Artificial/Historical |

\* Symbol denotes shoreward extent of tow camera data for cable route (unless otherwise noted).  
 \*\* Symbol denotes shoreward approach of cable route without tow camera data.  
 \*\*\* Major depth intervals are 10 ft intervals above 50 ft in depth, and every 100 ft in depth thereafter. Minor depth intervals are the 10 ft intervals between majors.  
 \*\*\*\* Coral data is limited to the information provided in the NOAA Benthic Coral data. Certain coastal areas may be missing data or be limited in coverage.

Date: 4/26/2012  
 Data Sources: HI-DBEDT, NOAA, UH-SOEST, AECOM, 2012

Figure 3.14-25



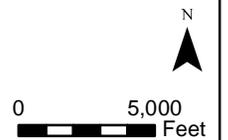
### South Moloka'i Landing Site Area: Marine and Nearshore Coastal Resources

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"> <li> Route with camera data *</li> <li> Route without camera data **</li> <li> Highways &amp; Major Roads</li> <li> Other Roads</li> <li> SOEST Cable Routes</li> </ul> | <ul style="list-style-type: none"> <li> HIREP Study Analysis Area</li> <li> Known Existing Underwater Cables</li> <li> Known Shipwreck Locations</li> <li> Aids to Navigation</li> <li> Submerged Buoys</li> </ul> | <ul style="list-style-type: none"> <li> Boat Facilities</li> <li> Fish Ponds (Historic &amp; Active)</li> <li> Fish Ponds (Areas)</li> <li> Nearshore Coral Reefs ***</li> <li> Open Water</li> </ul> | <p><b>Marine Managed Areas (MMA) (2003)</b></p> <ul style="list-style-type: none"> <li> Fisheries Management Area</li> <li> Coastal Zone Management Special Management Areas CZM-SMA (2009)</li> </ul> |
|--|--|---|--|

\* Symbol denotes shoreward extent of tow camera data for cable route (unless otherwise noted).

\*\* Symbol denotes shoreward approach of cable route without tow camera data.

\*\*\* Coral data is limited to the information provided in the NOAA Benthic Coral data. Certain coastal areas may be missing data or be limited in coverage.



NOTE: Coastal Resource Activities and other marine data does not exist for this part of Moloka'i.

Date: 4/26/2012

Data Sources: HI-DBEDT, NOAA, UH-SOEST, AECOM, 2012

Figure 3.14-26