












# LEGEND

Labels are EVI ID #  
See accompanying data

## Threatened & Endangered Species





-  Piping Plover / Least Tern Essential Habitat
  -  Roseate Tern Essential Habitat
  -  Bald Eagle Essential Habitat
  -  Harlequin Duck Wintering Habitat
  -  Atlantic Salmon Habitat (where endangered)
  -  Other Coastal Threatened or Endangered Species
  -  Species of Special Concern
- SA = Sensitive Animal    SP = Sensitive Plant 

## Birds




-  Shorebird Areas
  -  Seabird Nesting Islands
-  EVI ID #  
RANKING
- Red outline if threatened or endangered species present on island

Rankings: C=Critical    HV=Highly Vulnerable  
MV= Moderately Vulnerable    V=Vulnerable



**Rafting Birds** Areas with counts greater than 200 individuals  
2000 - 2004 Aerial Survey Data

-  Fall Rafting Bird Observations
-  Summer Rafting Bird Observations
-  Winter Rafting Bird Observations
-  Spring Rafting Bird Observations

## Fish

-  Diadromous Fish Runs
-  Elver Runs
-  Herring Spawning Areas






## Shellfish

-  Lobster Pounds
-  Shellfish Beds
-  Mussel Seed Conservation Areas

## Habitats










-  Marine Worm Areas
-  Eelgrass Beds
-  Seal Haul-Outs

## Human Resources

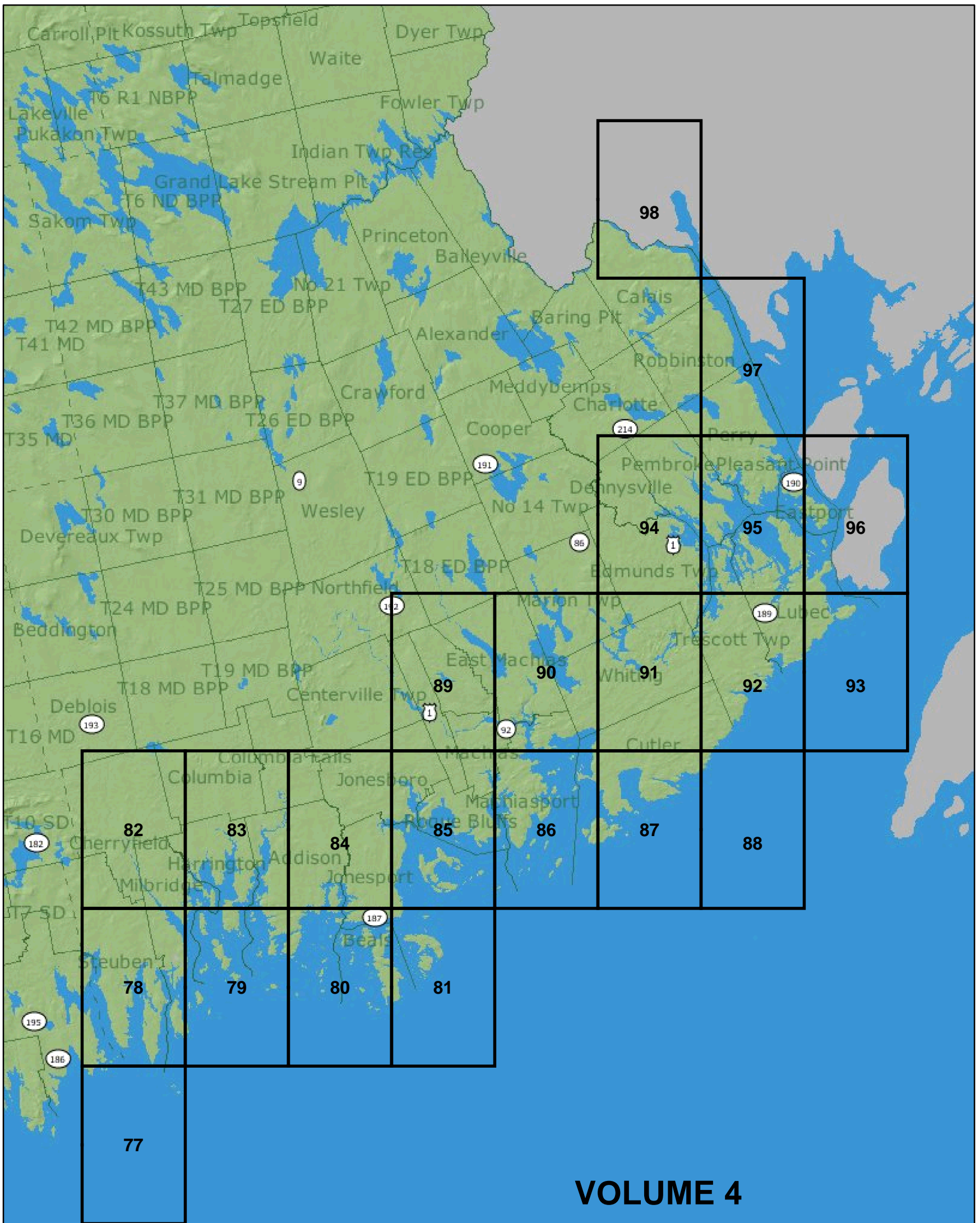
-  Aquaculture Lease Sites
-  Herring Weir Sites
-  Lobster Dealers
-  Conservation Lands
-  Boat Launch State Sponsored or Assisted, Trailerable

## Coastal Marine Geologic Environments

Ranked from most to least vulnerable

-  Marshes (1)
-  Mud Flats, Sheltered (2)
-  Coarse Flats & Bars, Exposed (3)
-  Coarse Beaches & Riprap (4)
-  Mixed & Low Energy Beaches (5)
-  Sand Beaches (6)
-  Rocky Shores (7)
-  Sand Dunes (8)
-  Coastal Barrier Resources System Area

# MAINE ENVIRONMENTAL VULNERABILITY INDEX MAPS



**VOLUME 4**

**MAPS 77 - 98**

**GOULDSBORO TO CALAIS**



Basemap courtesy of Maine Office of GIS



## EVI INDEX BY TOWN

TOWN	MAP NUMBERS	VOL
Addison	79, 80, 83, 84	4
Alna	32, 33, 40	2
Appleton	41	2
Arrowsic	19, 24	1, 2
Arundel	8	1
Augusta	45, 46	2
Bangor	75, 76	3
Bar Harbor	60, 61, 62, 68, 69	3
Bath	19, 20	1
Beals	80, 81	4
Belfast	47, 49, 64	2, 3
Belgrade	45	2
Belmont	47, 49	2
Berwick	5	1
Biddeford	8, 9, 10	1
Blue Hill	59, 60, 65, 66, 67	3
Boothbay	16, 21, 24, 25	1, 2
Boothbay Hbr	24, 25	2
Bowdoin	20	1
Bowdoinham	20	1
Bremen	26, 34, 35	2
Brewer	76	3
Bristol	21, 25, 26, 27, 33, 34	2
Brooklin	54, 55, 59, 60	3
Brooks	49	2
Brooksville	48, 58, 59, 65	2, 3
Brunswick	17, 18, 19, 20	1
Bucksport	71, 72, 76	3
Calais	97, 98	4
Camden	42, 43, 47	2
Cape Elizabeth	11	1
Castine	48, 58, 64, 65	2, 3
Centerville	84, 89	4
Charlotte	94	4
Chelsea	40, 45, 46	2
Cherryfield	82	4
Columbia	82, 83	4
Columbia Falls	83, 84	4
Cranberry Isles	56, 57, 61, 62, 63	3
Criehaven Twp	23, 30, 31	2
Cumberland	12, 13, 14	1
Cushing	27, 35, 56	2
Cutler	86, 87, 88, 90, 91, 92	4
Damariscotta	33, 34	2
Deblois	82	4
Dedham	76	3
Deer Isle	44, 48, 53, 54, 55, 58, 59	2, 3
Dennysville	94	4
Dresden	20, 32, 40	1, 2
Durham	17	1
East Machias	89, 90	4
Eastbrook	73, 74	3
Eastport	95, 96	4
Eddington	76	3
Edgecomb	24, 25, 32, 33	2
Edmunds Twp	91, 92, 94, 95	4
Eliot	2, 5	1
Ellsworth	66, 67, 68, 73	3
Falmouth	12, 13	1
Farmingdale	40, 45, 46	2
Frankfort	71	3
Franklin	68, 69, 73, 74	3
Freeport	13, 17, 18	1

TOWN	MAP NUMBERS	VOL
Frenchboro	55, 56, 57, 60	3
Friendship	26, 27, 34, 35	2
Gardiner	40	2
Georgetown	15, 16, 19, 24	1, 2
Gorham	10	1
Gouldsboro	62, 63, 69, 70, 77, 78	3, 4
Hallowell	45, 46	2
Hampden	71, 75, 76	3
Hancock	68, 69, 73	3
Harpswell	13, 14, 15, 17, 18, 19	1
Harrington	79, 82, 83	4
Hermon	75	3
Holden	76	3
Hope	41, 42	2
Isle Au Haut	39, 50, 51, 53, 54, 55	2, 3
Islesboro	43, 44, 47, 48	2
Jonesboro	84, 85, 89	4
Jonesport	80, 81, 84, 85, 86	4
Kennebunk	7, 8	1
Kennebunkport	7, 8, 9	1
Kittery	1, 2, 3, 4	1
Lamoine	68, 69	4
Lincolnton	47	2
Long Island	12, 13	1
Lubec	92, 93, 95, 96	4
Lyman	8	1
Machias	85, 86, 89, 90	4
Machiasport	85, 86, 90	4
Manchester	45	2
Mariaville	73	3
Marion Twp	90, 91, 94	4
Marshfield	89, 90	4
Matinicus Isle Plt	23, 27, 28, 29, 30, 31, 36, 37	2
Milbridge	77, 78, 79, 82, 83	4
Monhegan Island Plt	22, 26, 27	2
Monroe	49	2
Mount Desert	60, 61, 62	3
Muscle Ridge Shoals Twp	28, 36, 37, 38	2
Newcastle	33	2
No 14 Twp	94	4
Nobleboro	33, 34	2
North Berwick	5, 6	1
North Haven	37, 38, 43, 44, 53	2, 3
North Yarmouth	17	1
Northfield	89	4
Northport	47, 48, 49, 64	2, 3
Ogunquit	6, 7	1
Old Orchard Beach	10	1
Orland	65, 66, 72	3
Orono	76	3
Orrington	71, 72, 75, 76	3
Owls Head	36, 37, 43	2
Pembroke	94, 95	4
Penobscot	58, 65, 66	3
Perkins Twp	20	1
Perkins Twp Swan Island	20	1
Perry	94, 95, 97	4
Phippsburg	15	1
Pittston	40	2
Pleasant Point Ind Res	95	4
Portland	11, 12, 13, 14	1
Pownal	17	1
Prospect	64, 71, 72	3
Randolph	40, 46	2

TOWN	MAP NUMBERS	VOL
Readfield	45	2
Richmond	20, 32, 40	1, 2
Robbinston	97	4
Rockland	36, 37, 42, 43	2
Rockport	42, 43	2
Roque Bluffs	85, 86	4
Saco	9, 10, 11	1
Saint George	22, 26, 27, 28, 35, 36	2
Scarborough	10, 11	1
Searsport	49, 64, 71	2, 3
Sedgwick	58, 59, 65, 66	3
Sidney	45, 46	2
Sorrento	69	3
South Berwick	5, 6	1
South Bristol	21, 25, 33	2
South Portland	10, 11, 12	1
South Thomaston	36, 37	2
Southport	16, 21, 24, 25	1, 2
Southwest Harbor	56, 57, 61	3
Steuben	70, 77, 78, 82	3, 4
Stockton Springs	64, 65, 71, 72	3
Stonington	53, 54	3
Sullivan	69, 70, 74	3
Surry	60, 66, 67	3
Swans Island	51, 54, 55, 56	3
Swanville	49	2
T10 SD	74	3
T16 MD	74	3
T18 ED BPP	89, 90	4
T7 SD	70, 78	3, 4
T8 SD	73	3
T9 SD	74	3
Thomaston	36, 42	2
Topsham	18, 19, 20	1
Tremont	55, 56, 60, 61	3
Trenton	60, 61, 67, 68	3
Trescott Twp	88, 91, 92, 93, 95	4
Union	41, 42	2
Vassalboro	46	2
Veazie	76	3
Verona	65, 72	3
Vinalhaven	31, 37, 38, 39, 44, 53	2
Waldo	49	2
Waldoboro	34, 35, 41	2
Waltham	73	3
Warren	35, 36, 41, 42	2
Washington	41	2
Wells	5, 6, 7, 8	1
West Bath	19	1
West Gardiner	45	2
Westbrook	12	1
Westport	24, 32	2
Whitefield	40, 46	2
Whiting	90, 92, 92	4
Whitneyville	85, 89	4
Windsor	46	2
Winter Harbor	62, 63, 69, 70, 77	3
Winterport	71, 72, 75	3
Winthrop	45	2
Wiscasset	24, 32, 33	2
Woolwich	19, 20, 24, 32	1, 2
Yarmouth	12, 13, 17	1
York	2, 3, 4, 5, 6, 7	1





# MAINE ENVIRONMENTAL VULNERABILITY INDEX MAPS

## INTRODUCTION

This four volume set of Environmental Vulnerability Index Maps depicts environmental resources along the coast of Maine most at risk from oil spilled into the marine or estuarine environment. The maps show biological, geological and human use resources. It is important to note that these maps are not an exhaustive inventory of marine and estuarine species, but are a survey meant to give first responders a tool for prioritizing and targeting protection strategies.

The first maps of environmental resources sensitive to oil spills were prepared for Maine in 1985 in conjunction with the National Oceanic and Atmospheric Administration's Office of Response and Restoration. The 1989 Exxon Valdez oil spill in Alaska's Prince William Sound led to the federal Oil Pollution Control Act of 1990, which required that regional Area Contingency Plans be developed for oil spill preparation and response. Also in 1990, the state of Maine formed the Commission to Study Maine's Oil Spill Clean-Up Preparedness, out of which came funds from the legislature for identification of sensitive environmental resources. Several new data sets showing coastal marine geologic environments, coastal wildlife resources and marine resources and habitats were compiled, and Maine's first set of Environmental Vulnerability Index (EVI) maps, a 78 map series in 24 x 36 inch format, was published in 1999. This Version 2 series of EVI maps supercedes and expands upon the original 1999 maps.

The Environmental Vulnerability Index maps, now in 11 x 17 inch format, draw heavily upon standards published in NOAA Technical Memorandum NOS OR&R 11, "Environmental Sensitivity Index Guidelines"<sup>1</sup> in an effort to conform more closely with NOAA's Environmental Sensitivity Index mapping program. In particular, the map and data format, color scheme and symbology of the EVI maps mirror those of the national ESI program. The major difference with the EVI maps is that each data set is shown separately rather than in combination, and several data sets unique to Maine (such as essential habitat areas) are utilized as outlined in the sections below. Each map has an accompanying data sheet that gives specific information on species occurrence and life history.

**Map Symbology:** Data shown on the maps consist of polygon or point coverages and an accompanying label as shown on the description of each data set below and in the map legend. The symbol and polygon fill colors help to indicate what type of resource is being depicted. Threatened and endangered species are symbolized and outlined in red for ease of identification. Bird habitats shown as polygons are in green, as are bird symbols for those species that are not threatened or endangered. Rafting bird areas are outlined with colors that help to indicate which season they were present (red for fall, gray for winter, green for spring and yellow for summer). Fish symbols are blue, and shellfish areas are shown in yellow-orange. Eelgrass beds and marine worm areas are shown in purple and maroon, respectively. Human resources (aquaculture sites, herring weir sites, boat launches, etc.) are shown in black and white. The coastal marine geologic environments are also shown in colors to help indicate what is depicted: marshes are green, mudflats brown, beaches yellow, etc.

**Bird Vulnerability Rankings:** Unless otherwise indicated, bird habitat sites are ranked according to their importance for protection in the event of an oil spill in accordance with the Maine Department of Inland Fisheries and Wildlife's "Index of Vulnerability of Marine Birds to Oil Spills in Maine".<sup>2</sup> The method is a modification of the bird oil index developed by Speich, et al in 1991.<sup>3</sup> Season-specific index values were developed based on 5 seasons: nesting, post-nesting, fall migration, winter, and spring migration. The rankings incorporate the vulnerability of particular species as determined by behavior (roosting, escape behavior, flocking, nesting concentration and feeding specialization), as well as vulnerability as determined by population characteristics (population size, reproductive potential, and seasonal distribution). The rankings also incorporate the significance of the Maine coast population to the coastal New England / Maritime Canada population.

## DATA SETS

### THREATENED AND ENDANGERED SPECIES

Threatened and endangered species information is shown on the maps as a combination of essential habitat areas and areas where species are known to be located through occurrence records. Although many of these species will not be affected directly by an oil spill, they may be adversely affected by the response effort (e.g. staging areas). The appropriate state or federal designation is shown on the accompanying data sheets. For plants, and for species identified through occurrence records, threatened or endangered species are shown that are within 500 feet of a coastal marine geologic environment. No federally threatened or endangered plant species are found in coastal areas in Maine.

Maine's Endangered Species Act requires that both threatened and endangered species and their habitats be protected. Essential habitats are those that have been determined to be essential to the conservation of a species by the Maine Department of Inland Fisheries and Wildlife. Essential habitats have been identified for piping plovers, least terns, bald eagles and roseate terns.



#### **Piping Plover / Least Tern Essential Habitat (PP/LT)**

This coverage consists of 12 piping plover / least tern essential habitats. These areas should be a priority for protection between April and August, and include nesting, feeding and brood-rearing areas. Piping plovers are listed as endangered in Maine, and federally as threatened. Least terns are listed as endangered in Maine. The coverage was last revised in 2002.



#### **Roseate Tern Essential Habitat (RT)**

There are 22 identified roseate tern essential habitats. They are a priority for protection between June and September. Roseate terns are listed as endangered both federally and in Maine. The layer was last revised in 2002.



#### **Bald Eagle Essential Habitat (BE)**

There are 296 bald eagle essential habitats within the coastal townships. They are a priority for protection between February and September. Sites must be within a nesting area occupied in at least one of the three most recent years of the survey, and have either a nest that has existed for two consecutive years, or the only existing nest in that nesting area. Bald eagles are currently listed as threatened federally and in Maine. The data set was last updated in 2005.



#### **Harlequin Duck Wintering Habitat (HD)**

This coverage consists of 118 harlequin duck habitats. The vulnerability of the areas is ranked as Vulnerable, Moderately Vulnerable or Highly Vulnerable. Vulnerability is based on the maximum number of harlequin ducks observed at each site during the fall migration, winter, or spring migration seasons (November through March), in combination with the bird vulnerability rankings described in the last section. The highest rank was considered the overall site rank. The data was updated in 2005.

#### **Atlantic Salmon Habitat**

This data set was prepared by the U.S. Fish and Wildlife Service Gulf of Maine Project Office and the Maine Atlantic Salmon Commission. The original data set contains information on habitat categories and areal extent, as well as an indication of spawning and rearing potential of Atlantic Salmon habitats. The coverage was developed from field surveys. On November 13, 2000, the National Marine Fisheries Service and the U. S. Fish and Wildlife Service announced that Atlantic salmon populations in 8 Maine rivers (Dennys, East Machias, Machias, Pleasant, Narraguagus, Ducktrap and Sheepscot rivers and Cove Brook) were officially declared endangered. The data shown on the EVI are meant to be indicative only of the possible presence of Atlantic salmon in those rivers. Portions of the original data set showing selected tributaries of the Kennebec and Penobscot rivers have been removed.



### Other Threatened or Endangered Species (SA: sensitive animal or SP: sensitive plant)

This data layer includes zoological data maintained by the Maine Department of Inland Fisheries and Wildlife as part of "Biotics of NatureServe", an information management component of the Natural Heritage Program created by the Nature Conservancy (<http://www.natureserve.org/prodServices/biotics.jsp>). The data are mapped as points, and represent occurrence records for rare wildlife species in Maine. The EVI layer combines this zoological information with the locations of rare plants and rare and exemplary natural communities in Maine as mapped by the Maine Natural Areas Program, also as part of the Natural Heritage Program. Threatened and endangered animals and plants occurring within 500 feet of a coastal marine geologic environment are shown on the EVI maps. Species already identified in conjunction with essential habitat areas have been removed from the layer. The plant areas are polygons, and are shown, where appropriate, with both the "pushpin" symbol and a pattern outlining the extent of the area (📌). Both data sets were published in 2003.



### Species of Special Concern (SA: sensitive animal or SP: sensitive plant)

Species of Special Concern information is compiled from the same sources as the Threatened or Endangered Species above. Species of Special Concern are denoted with a yellow-orange pushpin and, where appropriate, with an associated fill symbol (📌).

## SEABIRDS, SHOREBIRDS AND RAFTING BIRDS



### Seabird Nesting Islands (##-###)

This data layer is a subset of the statewide coverage of seabird nesting islands (island, ledge or portion thereof) maintained by the Maine Department of Inland Fisheries and Wildlife. Data are representative of annual survey efforts. All islands are not surveyed annually but have been periodically surveyed since 1976. Each seabird nesting island (487) was ranked as Not Vulnerable, Vulnerable, Moderately Vulnerable or Highly Vulnerable for the nesting and post-nesting seasons. Seabird nesting islands that were ranked as "Not Vulnerable" during the 2004 season are not shown. The data include islands with a record of nesting seabird pairs, including but not limited to islands regulated under the Maine Department of Environmental Protection's Natural Resources Protection Act. Any island that has documentation of one or more nests of a seabird that is a Maine endangered or threatened species in any year during or since 1976 is outlined in red, as is its symbol. The data set was last revised in 2005.



### Shorebird Areas (SB)

Shorebird staging habitat consists of coastal areas that provide both tidal mud flats rich in invertebrates for feeding and areas such as gravel bars and sand spits for roosting. Use of areas (feeding, roosting or both) was determined through surveys. Each of the 570 shorebird areas was ranked as Not Vulnerable, Vulnerable, Moderately Vulnerable or Highly Vulnerable for each of the following seasons: post nesting, fall, and winter, based on the number of each species observed at the site. The highest site rank was considered the overall site rank. Sites ranked as "Not Vulnerable" are not shown on the map. Due to the large number of shorebird areas and the repetition of species names, the accompanying data sheet combines all shorebirds on each map extent for the species list. A species list for each polygon is available. Unidentified species were removed from the site-specific species list under some conditions. The data set is from the Maine Department of Inland Fisheries and Wildlife, last updated in 2005.

Winter (W) Spring (Spr) Summer (Su) Fall (F) Rafting Birds

Rafting bird areas are based on data collected by Maine Department of Inland Fisheries and Wildlife staff in cooperation with the U.S. Fish and Wildlife Service. The data are from aerial surveys of coastal waterbirds conducted over several seasons from 2000 through 2004. Winter data were obtained from coastal mid-winter waterfowl surveys of 2004. Bird counts were combined with vulnerability rankings to calculate a density number in order to pinpoint the most important rafting bird habitat areas. Density contours were plotted, and areas with numbers indicating concentrations of 200 or more individuals are shown on the maps.

## FISH



### Diadromous Fish (DF)

Contains point locations of streams and rivers in Maine with runs and passages of anadromous and catadromous fish. Anadromous fish make wide use of coastal areas. During spawning periods adults pass into fresh water and spawn. Catadromous fish (eels) spawn in the ocean and return to fresh water as juveniles. The locations shown here represent the importance of a passage location as well as a larger area that is used seasonally by one or more fish species or life stages. Data for this coverage were screen digitized by the Maine Department of Marine Resources from the Coastal Marine Resources Inventory (1981 - 1984)<sup>4</sup> and Ecological Characterization of Coastal Maine (1980)<sup>5</sup>, and were supplemented by U.S. Fish and Wildlife coverages provided by the Gulf of Maine Project Office based on Eipper, et al, 1982.<sup>6</sup>



### Elver Runs (ER)

This layer from the Maine Department of Marine Resources shows point locations of major elver runs in Maine where commercial harvesting activities have taken place. Eels return in the spring from the Sargasso Sea as juveniles and large numbers pass into fresh water systems where they grow to adulthood. Others remain in coastal water, but all eventually return to the Sargasso Sea to spawn. Locations shown here are critical for those juvenile eels migrating into fresh water. The layer was last updated in 1996.



### Herring Spawning Areas (HS)

These are point locations of important herring spawning areas in Maine<sup>7</sup>, prepared specifically for the original oil spill response maps by the Maine Department of Marine Resources. Atlantic herring spawn in coastal water and on Georges Bank. They generally deposit eggs on the bottom in relatively deep water but egg beds have been found in shallow water downeast<sup>8</sup>. The layer was last revised in 1996.

## SHELLFISH



### Shellfish Beds (SF)

This coverage is a generalized representation of molluscan shellfish areas in Maine, based on a 1977 Maine Department of Marine Resources coastwide survey. Original mapping was done as a cooperative effort between the U.S. Environmental Protection Agency and Maine Department of Marine Resources staff. The layer used in the EVIs was digitized from the original mapping and the U.S. Fish and Wildlife Ecological Characterization of Coastal Maine.<sup>5</sup> The ECCM manuscripts were reviewed for accuracy against the original EPA/DMR maps. This layer was first published as a paper map layer by the Maine State Planning Office in 1977.



### Mussel Seed Conservation Areas (MS)

This layer shows polygon locations of Maine mussel seed conservation areas as outlined in the Maine Department of Marine Resources' Rule 12.06. Mussel regulations were implemented in 1988 by the Department of Marine Resources in response to concerns within the industry and legislature that the intensity of the fishery that existed at that time was leading towards resource problems and conflicts between users. One of the major problems was the significant demand for seed mussels by the aquaculture industry. There was a fear that recruitment to the prime wild beds might be impaired if the seed was heavily harvested and transferred to lease sites. The solution was to find an alternate source of seed for the aquaculture industry. To this end, the mussel regulation established four "seed mussel conservation areas", from which only seed-size mussels may be removed for growout. A permit issued by the Department of Marine Resources is required to remove any mussels from the conservation areas.



### Lobster Pounds (LP)

This layer shows coastal locations of lobster pounds, defined as intertidal/subtidal areas which have fixed structures for holding lobsters for a finite period of time. These structures may hold large numbers of lobsters and also trap oil, making them difficult to clean or replace. The name of the facility and contact information is



provided on the accompanying data sheet. This layer was updated in 2005.

## HABITATS



### Marine Worm Habitat

This layer is based on interviews with commercial marine bait worm harvesters and site visits carried out between October 2004 and May 2005. Information was compiled on a 1:24,000 base and screen digitized from original paper documents. Areas represented are known harvest locations and historically have sustained significant populations of the two annelid worm species, *Nereis virens* (sand worm) and *Glycera dibranchiata* (blood worm). The habitat delineated is primarily mixed and fine grained sediment which can be categorized as predominantly intertidal mud flats. Site specific studies associated with this mapping are documented in Atherton, Chen and Thayer, unpublished.<sup>9</sup>



### Eelgrass Beds

This dataset depicts Maine's eelgrass meadows. Sections of the coast have been flown and photographed at a scale of 1:12,000 since 1992. The original 1992 Penobscot Bay flights were contracted by the Maine Department of Transportation, with photography interpreted by Dr. Fred Short of the University of New Hampshire. The remainder of the coast was originally flown in the July to October period between 1993 to 1997. Since that time updates have taken place in the 2002-2005 time period. These updates include the geographic area from Saco Bay to eastern Penobscot Bay. When possible throughout this study, photography has been acquired at the time of extreme low tides, low wind velocity, good water clarity, and maximum biomass of eelgrass. These factors aid in the detection of the subtidal portion of a bed. Verification has been carried out by boat, on foot, and by plane. Density categories have been eliminated from these maps to simplify display. Though dense patches of eelgrass approximately 6 meters in diameter and less can be identified under good conditions, a conservative estimate of the minimum mapping unit is 150 square meters. This represents a stand approximately 14 meters in diameter.



### Seal Haul-Outs

Data for this layer were obtained from the "Digital Atlas of Seal Haul-out Sites in Maine: 1981-2001", authored by Dow, et al, December, 2005.<sup>10</sup> The atlas covers the coastal waters of Maine, from the Isles of Shoals to Cobscook Bay. Aerial surveys were conducted between 1981 and 2001. Seals and pups were identified from the aircraft and then counted using photos taken during the flight. Gray seals started appearing during surveys in 1997, and the areas shown may be either gray or harbor seals or both, although the vast majority are harbor seals. Surveys were conducted during two hours on either side of low tide, when the highest number of seals is expected to be hauled out. The seal haul-outs shown on the EVI maps are 967 distinct sites taken from the 6,973 total observations over the 20 year study. The complete data set can be downloaded and viewed at the OBIS-SEAMAP web site: <http://seamap.env.duke.edu>.

## HUMAN RESOURCES



### LOBSTER DEALERS (LD)

Lobster dealers typically run the wharf in the harbor the lobstermen fish out of, and where they return to sell their catch.<sup>11</sup> These facilities may have subsurface intakes that supply water to holding tanks, and/or floating crates or "cars" holding lobsters. This is an inventory of licensed Maine lobster dealer locations and contact information for wharved sites that buy lobsters from five or more lobster boats. These locations serve as the basis for the Lobster Port Sampling Program (<http://www.maine.gov/dmr/rm/lobster/research.htm#P>) carried out by the Maine Department of Marine Resources. Locations were last updated in 2005.



### HERRING WEIR SITES (HW)

This layer, from the Maine Department of Marine Resources, shows point locations of herring weirs in Maine based on a 1990 overflight by the Maine Department of Marine Resources Marine Patrol. Contact information for these resources is included. The layer was

published in 1991. For the most part, herring weirs have not been maintained in recent years. Those that have not been maintained may not be visible at high water and could pose a hazard to navigation.



### AQUACULTURE SITES (AQ)

These are locations of Maine aquaculture leases issued by the Maine Department of Marine Resources. All aquaculture operations are marked with buoys and may have: (1) an extension mooring system for fish pens and suspended shellfish culture, (2) floating trays for juvenile shellfish, or (3) may be carried out on the bottom in the case of oysters and clams. The data show the primary species grown and the size of the aquaculture site, as well as contact information. The layer was updated in 2005. Additional information on the leasing program and new or changed lease locations can be found at <http://www.maine.gov/dmr/aquaculture/index.htm>.



### CONSERVATION LANDS (CL)

The conservation lands layer is provided through the Maine Office of GIS and is based on data first compiled by the Maine State Planning Office in 1989. The layer shows conservation lands ownership for Maine land in federal, state and non-profit ownership with easements. The original data were compiled by contacting agencies and organizations to obtain locations of conservation and public lands. The data set was last updated in 1993, and should not be considered to be all-inclusive, but as an inventory only. The Maine State Planning Office is currently revising this data.



### BOAT LAUNCHES (BL)

This coverage contains point data for 90 coastal state sponsored or assisted trailerable boat launches compiled by the Maine Department of Conservation, Bureau of Parks and Lands Boating Facilities Division. Division staff initially located points visually from experience and knowledge of sites in 1989. The locations were updated to greater precision by Maine Department of Environmental Protection GIS staff using aerial photos and maps. The data were last revised in 2003, and give an indication of what facilities are available at the launch. The user should be aware that there are many boat launches not included in this layer. The best reference for these is probably DeLorme's "Maine Atlas and Gazetteer", available in local outlets ([www.delorme.com](http://www.delorme.com)).



### COASTAL BARRIER RESOURCE AREAS

Coastal barriers are unique land forms that provide protection for diverse aquatic habitats and serve as the mainland's first line of defense against the impacts of coastal storms and erosion. The Coastal Barrier Resource Act (CBRA) established the John H. Chafee Coastal Barrier Resources System, comprised of undeveloped coastal barriers along the Atlantic, Gulf and Great Lakes coasts. The law restricts federal expenditures that encourage development, such as federal flood insurance. The U.S. Fish and Wildlife Service advises federal agencies, landowners and Congress on whether properties are in or out of the CBRS, and what kind of federal expenditures are allowed.<sup>12</sup> The CBRS area boundaries were taken from the Federal Emergency Management Agency's Consolidated CBRA Q3 Flood Data, dated 1998. FEMA's Flood Insurance Rate Maps, or the U.S. Fish and Wildlife Service, should be consulted for more specific boundaries of the CBRS.

### COASTAL MARINE GEOLOGIC ENVIRONMENTS



This coverage shows regional characteristics of the Maine coast, and was compiled by the Maine Geological Survey from a 1976 map series. The original map series identifies 55 coastal marine environments. These were condensed into 8 environments for the purposes of the original Environmental Vulnerability Index maps, based on the following criteria: (1) geologic environment, (2) persistence of stranded oil, (3) biological sensitivity, and (4) ease of cleanup. The coastal marine environments are shown in the legend from the most vulnerable (marshes) to least vulnerable (sand dunes - due to their location). Subtidal and altered coastline categories were dropped to help simplify the map.

## ARCHAEOLOGICAL SITES

The Maine Historic Preservation Commission maintains a database of historic and archaeological resources. Because of the sensitivity of the data, these sites are not shown on the EVI maps, but are available for display through Maine's Mobile Oil Spill Information System, or mobile GIS, in the event of a spill. The GIS layer prepared for the EVI maps includes 2,500 "prehistoric" sites and 1,500 historic sites within 150 meters of the coast. The oldest of these are Native American "prehistoric" (or before recorded history) archaeological sites. These sites are mostly camping and village locations, including shell heaps along the coast, but they also include rock art, rock quarry and cemetery sites. The sites range in age from the time of European settlement back to the end of the last ice age, 12,000 years ago. Historic archaeological sites, such as farmstead, mill and tavern remains, record European settlement and native life in Maine after about 1600 A.D.<sup>13</sup> These sites are shown in the GIS coverage as 0.5 kilometer squares, within which the archaeological resource is found.

## ACKNOWLEDGEMENTS

Many individuals and agencies contributed to this update of the Environmental Vulnerability Index Maps. Particular credit should go to Nicole Munkwitz of the Maine Department of Inland Fisheries and Wildlife and Seth Barker of the Maine Department of Marine Resources for the many hours of work they spent revising data sets and compiling life history information. Richard Dressler of MDIF&W and John Kenney, formerly of that agency, also laid much of the groundwork for the current update. Dr. Stephen Dickson and Peter Slovinsky of the Maine Geological Survey reviewed and critiqued geological information. Dr. Arthur Spiess and Liz Trautman of the Maine Historic Preservation Commission assembled a new data set for the GIS system. Stephen Lehmann of NOAA's Office of Response and Restoration contributed comments and his expertise for the map revision. At the Maine Department of Environmental Protection, Barbara Parker, Lyle Hall, Stephen Flannery and Sheryl Bernard reviewed the maps throughout the process, and Chris Halsted created a customized ArcMap tool to extract data from the maps. Ginger McMullin of DEP did the cartography and compiled the database information for the EVIs. The maps were created as a personal geodatabase in ArcMap 9.0 using the Map Book Developer Sample and Maplex extension.

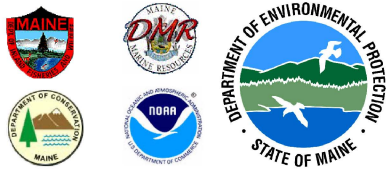
Many others reviewed, were contacted, or contributed comments and additional information for the maps, including Stu Fefer of U.S. Fish & Wildlife's Gulf of Maine Project Office, Don Cameron of the Maine Natural Areas Program, Andrew Raddant of the U.S. Department of the Interior, Chris Boelke and Sean McDermott of the National Oceanic and Atmospheric Administration's Habitat Conservation Division of the National Marine Fisheries Service, Dave Gouveia of NOAA's National Marine Fisheries Service Marine Mammal Division, Wally Jakubas of Maine Inland Fisheries and Wildlife, Rick Schaufler, U.S. Fish & Wildlife Service, Steve Crawford, Environmental Director of the Pleasant Point Passamaquoddy Tribal Nation and John Banks, Director of Natural Resources for the Penobscot Nation. Many thanks to all who participated in this effort.

## REFERENCES

1. Petersen, Jill, Jacqueline Michel, Scott Zengel, Mark White, Chris Lord and Colin Plank. Environmental Sensitivity Index Guidelines. Version 3.0. NOAA Technical Memorandum NOS OR&R 11. Hazardous Materials Response Division, Office of Response and Restoration, NOAA Ocean Service, National Oceanic and Atmospheric Administration. March, 2002.
2. Applegate, Roger D., MaryEllen Chilleli, Richard L. Dressler and John S. Kenney. Index of Vulnerability of Marine Birds to Oil Spills in Maine. Federal Aid Report. Project Number: W-82-R-11, Job V-505. Maine Department of Inland Fisheries and Wildlife, Wildlife Division, Resource Assessment Section, Habitat Group. October, 1966.
3. Speich, S.M., D.A. Manuwal, and T.R. Wahl. The Bird/Habitat Oil Index - A Habitat Vulnerability Index Based on Avian Utilization. Wildl. Soc. Bull. 19:216-221. 1991.
4. Maine Department of Marine Resources. Coastal Marine Resources Inventory (1981 - 1984). Atlases. 1981-1984.
5. Fefer, Stewart I. and Patricia A. Schettig. An Ecological Characterization of Coastal Maine. FWS/OBS-80/29. USDO, USFWS. 6 Volumes including maps. October, 1980.

6. Eipper, A., W. Knapp and C. Laffin, eds. Anadromous Fish Streams of New England: Upstream Migratory Routes. Portfolio NE-1. U.S. Fish and Wildlife Service, Boston, MA. 1982.
7. Stevenson, D.K. Spawning locations and times for Atlantic herring on the Maine coast. Maine Department of Marine Resources Res. Ref. Doc. 89-5. 1989.
8. Neal, B. Eastern Gulf of Maine Atlantic Herring Spawning Area Survey Project Year 6 Summary. Island Institute, Rockland, Maine. 2003.
9. Atherton, Thomas, Yong Chen and Peter Thayer, unpublished. A Comprehensive Study of Maine's Baitworm Industry. Submitted in 2005 to Maine Department of Marine Resources in fulfillment of contract #804291.
10. Dow, W.E. Digital Atlas of Seal Haul-out Sites in Maine: 1981 - 2001. Nicholas School of the Environment and Earth Sciences. Duke University Marine Laboratory. Masters of Environmental Management Masters Project. 2005.
11. The Lobster Institute. Job Descriptions. University of Maine. <http://www.lobster.um.maine.edu/index.php?page=55>. n.d.
12. U.S. Fish and Wildlife Service. John H. Chafee Coastal Barrier Resource System. <http://www.fws.gov/habitatconservation/>. n.d.
13. Trautman, Elizabeth and Arthur Spiess. Archaeology, History and GIS. Maine IS Technology, Volume V, Issue 5. May, 2002.

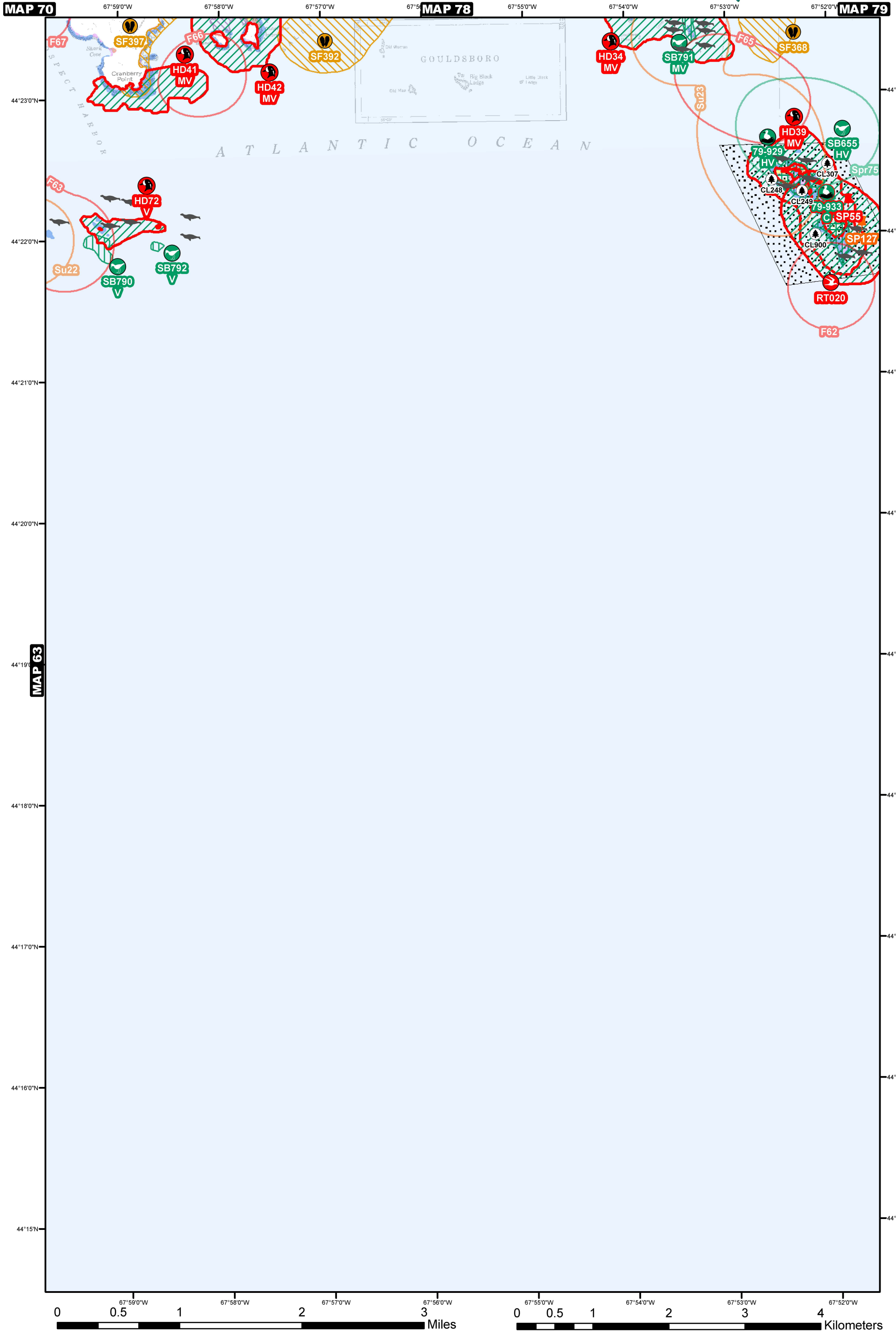
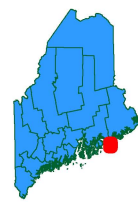




# MAP 77 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

These maps are intended to provide information solely for marine oil spill contingency planning.  
Not all resources in any specific area will be shown. Contact agencies directly for more information.  
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# ENVIRONMENTAL SENSITIVITY MAP - 77

GEOGRAPHIC RESPONSE D-01-1 D-04-1  
PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA:

## THREATENED AND ENDANGERED SPECIES / SPECIES OF SPECIAL CONCERN

**BALD EAGLE** **ESSENTIAL HABITAT (BE)**

**HARLEQUIN DUCK** **WINTERING HABITAT (HD)**

**PIPING PLOVER / LEAST TERN** **ESSENTIAL HABITAT (PPLT)**

**ROSEATE TERN** **ESSENTIAL HABITAT (RT)**

**Other T or E Species**  
SA: Sensitive Animal  
SP: Sensitive Plant

**Other SSC**  
SA = Sensitive Animal  
SP = Sensitive Plant

BIRDS	EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING
						C= COMMON U=UNCOMMON																
						J	F	M	A	M	J	J	A	S	O	N	D					
HD34	Harlequin Duck	<i>Histrionicus histrionicus</i>	T	FSC	C	C	C	C	U					U	C	C	Mar.- May		Oct.- Dec.	Nov.- Mar.		
HD39	Harlequin Duck	<i>Histrionicus histrionicus</i>	T	FSC	C	C	C	C	U					U	C	C	Mar.- May		Oct.- Dec.	Nov.- Mar.		
HD41	Harlequin Duck	<i>Histrionicus histrionicus</i>	T	FSC	C	C	C	C	U					U	C	C	Mar.- May		Oct.- Dec.	Nov.- Mar.		
HD42	Harlequin Duck	<i>Histrionicus histrionicus</i>	T	FSC	C	C	C	C	U					U	C	C	Mar.- May		Oct.- Dec.	Nov.- Mar.		
HD72	Harlequin Duck	<i>Histrionicus histrionicus</i>	T	FSC	C	C	C	C	U					U	C	C	Mar.- May		Oct.- Dec.	Nov.- Mar.		
RT020	Roseate Tern	<i>Sterna dougalli</i>	E	E					C	C	C	C					May	May - Aug.				

### SENSITIVE PLANTS / RARE ANIMALS

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED
SP127	Blinks	<i>Montia fontana</i>		SC
SP55	White Adder's-mouth	<i>Malaxis monophyllos</i>		E

## SEABIRD NESTING ISLANDS (00-000)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING
					C= COMMON U=UNCOMMON																
					J	F	M	A	M	J	J	A	S	O	N	D					
79-929	Black Guillemot	<i>Cephus grylle</i>			C	C	C	C	C	C	C	C	C	C	C	C		Apr.- Aug.		Sep.- Mar.	
	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.
	Herring Gull	<i>Larus argentatus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Apr.- Aug.		Sep.- Mar.	
79-933	Arctic Tern	<i>Sterna paradisaea</i>	T						C	C	C	U					May	May - Aug.	Aug.- Sep.		
	Atlantic Puffin	<i>Fratercula arctica</i>	T					U	U	C	C	C	U	U	U	U	Mar.- Apr.	May - Aug.	Sep.- Oct.		
	Black Guillemot	<i>Cephus grylle</i>			C	C	C	C	C	C	C	C	C	C	C	C		Apr.- Aug.		Sep.- Mar.	
	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.
	Common Tern	<i>Sterna hirundo</i>		SSC					C	C	C	U					May	May - Aug.	Aug.- Sep.		
	Laughing Gull	<i>Larus atricilla</i>		SSC				U	U	C	C	C	U	U			May	May - Aug.	Sep.- Oct.		
	Leach's Storm-petrel	<i>Oceanodroma leucorhoa</i>		SSC				U	C	C	C	C	C				Apr.- May	May - Aug.	Sep.- Oct.		
	Razorbill	<i>Alca torda</i>		T			U	U	U	U	C	C	C	U	U	U	Feb.- Apr.	May - Aug.	Sep.- Oct.	Nov.- Feb.	
	Roseate Tern	<i>Sterna dougalli</i>		E	E					C	C	C	C				May	May - Aug.			

## SHOREBIRDS (SB) SHOREBIRD SITES ON THIS MAP INCLUDE ONE OR MORE OBSERVATIONS OF THE FOLLOWING SPECIES

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING
				C= COMMON U=UNCOMMON																
				J	F	M	A	M	J	J	A	S	O	N	D					
Purple Sandpiper	<i>Calidris maritima</i>			C	C	C	C	U					U	C	C	Apr.- May		Oct.- Nov.	Nov.- Apr.	
Black-bellied Plover	<i>Pluvialis squatarola</i>							C	U	C	C	C	U			May - Jun.		Jul.- Nov.		
Unidentified Dowitcher	<i>Limnodromus spp.</i>							C	U	C	C	C	U			May - Jun.		Jul.- Oct.		
Dunlin	<i>Calidris alpina</i>							U	U	U	C	C	C			May - Jun.		Aug.- Nov.		
Greater Yellowlegs	<i>Tringa melanoleuca</i>							C	C	U	U	C	C	U		Apr.- Jun.		Jul.- Nov.		
Long-billed Dowitcher	<i>Limnodromus scolopaceus</i>									U	U	U	U					Jul.- Oct.		
Least Sandpiper	<i>Calidris minutilla</i>							C	U	C	C	C	U			May - Jun.		Jul.- Oct.		
Lesser Yellowlegs	<i>Tringa flavipes</i>							U		C	C	C	U			May		Jul.- Oct.		
American Oystercatcher	<i>Haematopus palliatus</i>							U	U	U	U	U					May - Aug.			
Pectoral Sandpiper	<i>Calidris melanotos</i>							U	U	U	C	C	U	U		Apr.- May		Jul.- Nov.		
Unidentified Yellowlegs	<i>Tringa spp.</i>							C	C	U	U	C	C	U		Apr.- Jun.		Jul.- Nov.		
Red Knot	<i>Calidris canutus</i>									U	U	U	U					Jul.- Oct.		
Ruddy Turnstone	<i>Arenaria interpres</i>							U	C	C	C	C	U	U		Apr.- Jun.		Jul.- Nov.		
Sanderling	<i>Calidris alba</i>							U	U	C	C	C	C	U		May - Jun.		Jul.- Nov.		
Short-billed Dowitcher	<i>Limnodromus griseus</i>							C	U	C	C	C	U			May - Jun.		Jul.- Oct.		
Semipalmated Plover	<i>Charadrius semipalmatus</i>							C	C	C	C	C	U			May - Jun.		Jul.- Oct.		
Semipalmated Sandpiper	<i>Calidris pusilla</i>							C	C	C	C	C	U			May - Jun.		Jul.- Oct.		
Spotted Sandpiper	<i>Actitis macularia</i>							U	C	C	C	C	U					Jul.- Oct.		
Willet	<i>Catoptrophorus semipalmatus</i>							U	C	C	C	C	C			Apr.- May	May - Aug.	Aug.- Sep.		
Unidentified Sandpiper	<i>Calidris spp.</i>							U	C	C	C	C	U	U		May - Jun.		Jul.- Oct.		

## RAFTING BIRDS Winter (W) Spring (Spr) Summer (Su) Fall (F)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING
					C= COMMON U=UNCOMMON																
					J	F	M	A	M	J	J	A	S	O	N	D					
F62	Unidentified Scoter	<i>Melanitta spp.</i>			C	C	C	C	U	U	U	C	C	C	C	Mar.- May		Aug.- Oct.	Nov.- Mar.		
	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.	
F63	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.	
	Herring Gull	<i>Larus argentatus</i>			C	C	C	C	C	C	C	C	C	C	C		Apr.- Aug.		Sep.- Mar.		
F65	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.	
	Unidentified Scoter	<i>Melanitta spp.</i>			C	C	C	C	U	U	U	C	C	C	C	Mar.- May		Aug.- Oct.	Nov.- Mar.		
F66	Herring Gull	<i>Larus argentatus</i>			C	C	C	C	C	C	C	C	C	C	C		Apr.- Aug.		Sep.- Mar.		
	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.	
F67	Herring Gull	<i>Larus argentatus</i>			C	C	C	C	C	C	C	C	C	C	C		Apr.- Aug.		Sep.- Mar.		
	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.	
Spr75	Unidentified Scoter	<i>Melanitta spp.</i>			C	C	C	C	U	U	U	C	C	C	C	Mar.- May		Aug.- Oct.	Nov.- Mar.		
	American Black Duck	<i>Anas rubripes</i>			C	C	C	C	C	C	C	C	C	C	C	Feb.- Apr.	Apr.- Jul.	Oct.- Dec.	Sep.- Mar.	Jun.- Jul.	
	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.	
	Unidentified Merganser	<i>Mergus spp.</i>			C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Nov.- Dec.	Dec.- Feb.	Jul.- Aug.	
Su22	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.	
Su23	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.	

## SHELLFISH SHELLFISH BEDS (SF) MUSSEL SEED CONSERVATION AREAS (MS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					FW=FRESHWATER R=RARE															
					J	F	M	A	M	J	J	A	S	O	N	D				
SF368	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	
SF392	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	
SF397	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	

## HABITATS: SEAL HAUL-OUTS EELGRASS BEDS MARINE WORM HABITAT

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING
				C= COMMON U=UNCOMMON													
				J	F	M	A	M	J	J	A	S	O	N	D		
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr.- Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Jan.- Feb.





# ENVIRONMENTAL SENSITIVITY MAP - 77

GEOGRAPHIC RESPONSE D-01-1 D-04-1  
PLANS (BOOMING STRATEGIES) FOR  
THIS MAP AREA:

## CONSERVATION LANDS (CL)



EVI NO	NAME
CL248	GREEN ISLAND 1
CL249	GREEN ISLAND 2
CL307	ISLAND
CL900	MAINE COASTAL ISLANDS NWR

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

Marshes (1)

Mud Flats, Sheltered (2)

Coarse Flats & Bars, Exposed (3)

Coarse Beaches & Riprap (4)

Mixed & Low Energy Beaches (5)

Sand Beaches (6)

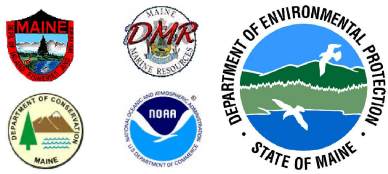
Rocky Shores (7)

Sand Dunes (8)



Coastal Barrier Resources System Area

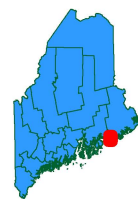




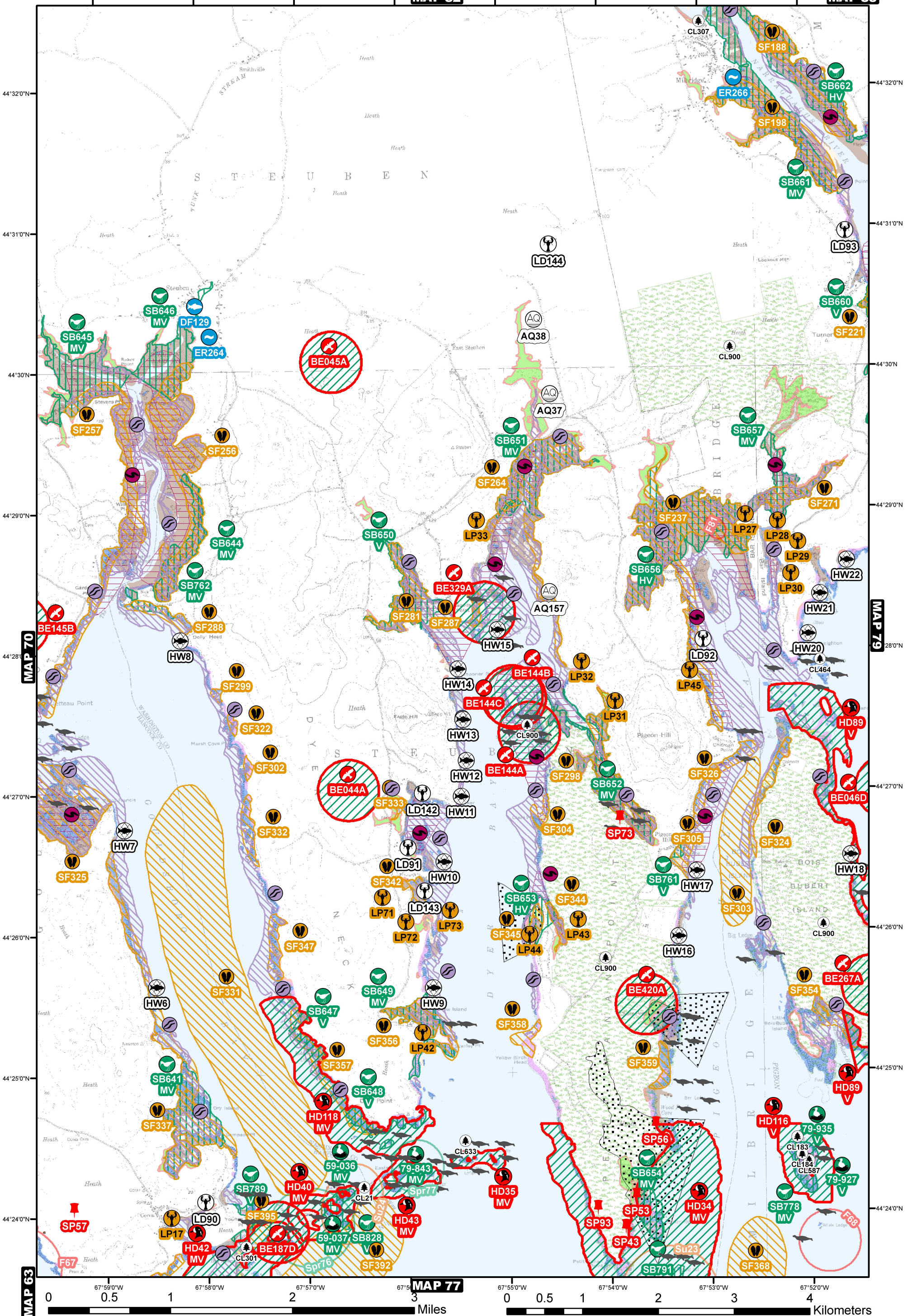
# MAP 78 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

These maps are intended to provide information solely for marine oil spill contingency planning. Not all resources in any specific area will be shown. Contact agencies directly for more information.  
1:45,000



67°59'0"W 67°58'0"W 67°57'0"W 67°56'0"W **MAP 82** 67°55'0"W 67°54'0"W 67°53'0"W 67°52'0"W **MAP 83**



0 0.5 1 2 3 **MAP 77** Miles

0 0.5 1 2 3 4 Kilometers











# ENVIRONMENTAL SENSITIVITY MAP - 78

GEOGRAPHIC RESPONSE D-01-1 D-02-1 D-02-2 D-03-1 D-03-2 D-03-3 D-04-1 D-05-1 D-05-2 D-06-1  
 PLANS (BOOMING STRATEGIES) FOR D-07-1 D-08-1  
 THIS MAP AREA:

## LOBSTER POUNDS (LP)



## LOBSTER DEALERS (LD)



## HERRING WEIR SITES (HW)



EVI NO	NAME	CONTACT / ADDRESS	PHONE	SIZE
LP32	A.S. Francis Lobster Co.	Arnold Francis	546-2487	16000SF
LP33	Clay Cove Lobster Co.	Bonnie Crosby	546-7052	80000SF
LP42	Wyman Pound	R. Shawn & Sylvania Lyons	497-2362	45000SF
LP43	Edward Denniston	inactive?		0SF
LP44	Edward Denniston	inactive?		0SF
LP45	West Brothers	Robert West	546-3622	200000SF
LP71	Dyers Bay Lobster Co.	Lawrence Alley Sr.	546-7670	180000SF
LP72	Kelly Lobster	Willard Kelly	546-7226	0SF
LP73	Kelly Lobster	Willard Kelly	546-7226	100000SF

## AQUACULTURE SITES (AQ)



EVI NO	PRIMARY SPECIES	CONTACT / ADDRESS	PHONE	SIZE
AQ157	blue mussels	Ralph Jacobs	207-546-2609	16.2AC
AQ37	oysters	Charles Wallace	207-546-2272	1.73AC
AQ38	oysters	Charles Wallace	207-546-2272	1.73AC

## CONSERVATION LANDS (CL)



EVI NO	NAME
CL183	EGG ROCK
CL184	EGG ROCK LEDGE
CL21	BALD ROCK
CL301	INNER BAR ISLAND
CL307	ISLAND
CL464	PEA LEDGES
CL587	SOUTH EGG ROCK
CL633	THE CASTLE & BONNY CHESS LEDGE
CL900	MAINE COASTAL ISLANDS NWR

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

Marshes (1)

Mud Flats, Sheltered (2)

Coarse Flats & Bars, Exposed (3)

Coarse Beaches & Riprap (4)

Mixed & Low Energy Beaches (5)

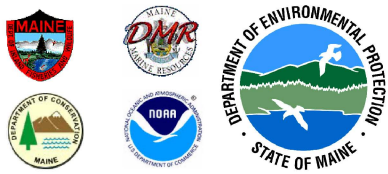
Sand Beaches (6)

Rocky Shores (7)

Sand Dunes (8)

Coastal Barrier Resources System Area

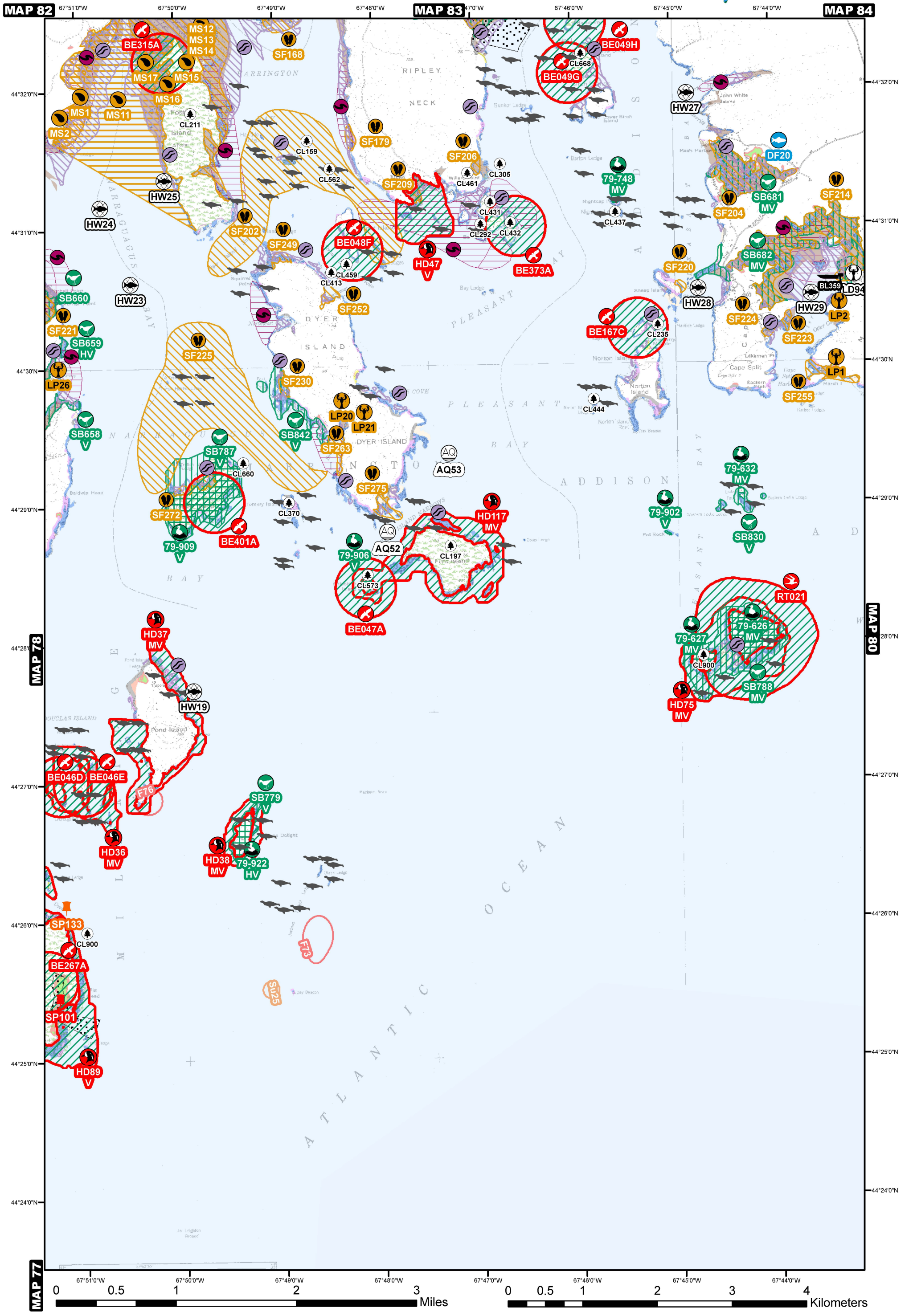
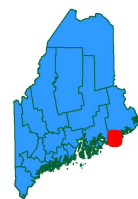




# MAP 79 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

These maps are intended to provide information solely for marine oil spill contingency planning.  
Not all resources in any specific area will be shown. Contact agencies directly for more information.  
1:45,000











# ENVIRONMENTAL SENSITIVITY MAP - 79

GEOGRAPHIC RESPONSE D-04-1 D-05-1 D-06-1 D-07-1 D-08-1 D-09-1 D-10-1 D-10-2 D-11-1 D-11-2  
 PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA: D-12-1 D-13-1

**SHELLFISH SHELLFISH BEDS (SF)** **MUSSEL SEED CONSERVATION AREAS (MS)**

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					J	F	M	A	M	J	J	A	S	O	N	D				
MS1	blue mussel	<i>Mytilus edulis</i>			x	x	x	x	x	x	x	x	x	x	x	Jun.-Sep.	Jun.-Sep.	Jan-Dec	Jan.-Dec.	
MS11	blue mussel	<i>Mytilus edulis</i>			x	x	x	x	x	x	x	x	x	x	x	Jun.-Sep.	Jun.-Sep.	Jan-Dec	Jan.-Dec.	
MS12	blue mussel	<i>Mytilus edulis</i>			x	x	x	x	x	x	x	x	x	x	x	Jun.-Sep.	Jun.-Sep.	Jan-Dec	Jan.-Dec.	
MS13	blue mussel	<i>Mytilus edulis</i>			x	x	x	x	x	x	x	x	x	x	x	Jun.-Sep.	Jun.-Sep.	Jan-Dec	Jan.-Dec.	
MS14	blue mussel	<i>Mytilus edulis</i>			x	x	x	x	x	x	x	x	x	x	x	Jun.-Sep.	Jun.-Sep.	Jan-Dec	Jan.-Dec.	
MS15	blue mussel	<i>Mytilus edulis</i>			x	x	x	x	x	x	x	x	x	x	x	Jun.-Sep.	Jun.-Sep.	Jan-Dec	Jan.-Dec.	
MS16	blue mussel	<i>Mytilus edulis</i>			x	x	x	x	x	x	x	x	x	x	x	Jun.-Sep.	Jun.-Sep.	Jan-Dec	Jan.-Dec.	
MS17	blue mussel	<i>Mytilus edulis</i>			x	x	x	x	x	x	x	x	x	x	x	Jun.-Sep.	Jun.-Sep.	Jan-Dec	Jan.-Dec.	
MS2	blue mussel	<i>Mytilus edulis</i>			x	x	x	x	x	x	x	x	x	x	x	Jun.-Sep.	Jun.-Sep.	Jan-Dec	Jan.-Dec.	
SF168	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF173	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF179	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF184	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF202	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.		
SF204	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF206	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF209	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF214	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF220	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF221	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF223	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF224	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF225	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.		
SF230	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF249	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF252	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF255	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF263	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF272	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF275	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		

**HABITATS:** **SEAL HAUL-OUTS** **EELGRASS BEDS** **MARINE WORM HABITAT**

COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING
				C=COMMON U=UNCOMMON													
				J	F	M	A	M	J	J	A	S	O	N	D		
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr.- Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Jan.- Feb.

**LOBSTER POUNDS (LP)** **LOBSTER DEALERS (LD)** **HERRING WEIR SITES (HW)**

EVI NO	NAME	CONTACT / ADDRESS	PHONE	SIZE
HW19	William Sawyer	Milbridge, ME 04658		
HW23	William Sawyer	Main St, Milbridge, ME 04658		
HW24	Samuel Wallace	Route 1, Steuben, ME 04680		
HW25	Samuel Wallace	Route 1, Steuben, ME 04680		
HW27	William Batson	East Side Rd, Addison, ME 0460	483-4026	
HW28	Maynard Morrison	Shore Rd, Perry, ME	853-6666	
HW29	Maynard Morrison	Shore Rd, Perry, ME 04667	853-6666	
LD94	No. Atlantic Fish Co.	Raymond Look	483-2908	
LP1	Marsh Cove Lobster	Oscar Look, Jr.	483-4150	5000SF
LP2	Eastern Harbor Lobster	Sid Look	497-2353	10000SF
LP20	Perry's Lobster Pound	Linden Perry	546-7218	40000SF
LP21	Berwick Boys Fndn.	inactive?		0SF

**AQUACULTURE SITES (AQ)**

EVI NO	PRIMARY SPECIES	CONTACT / ADDRESS	PHONE	SIZE
AQ52	atlantic salmon	David Miller or Bob Sweeney	207-255-6714	10AC
AQ53	atlantic salmon	David Miller or Bob Sweeney	207-255-6714	20AC

**CONSERVATION LANDS (CL)**

EVI NO	NAME
CL159	DRY LEDGE
CL197	FLINT ISLAND PRESERVE
CL211	FOSTER ISLAND
CL235	GOOSEBERRY NUBBLE
CL292	HOG ISLAND
CL305	INNER WILLARD ISLAND
CL370	LITTLE TOMMY ISLAND
CL413	MINK ISLAND
CL431	NARROWS ISLAND 1
CL432	NARROWS ISLAND 2
CL437	NIGHT CAP ISLAND
CL444	NORTON ISLAND LEDGES
CL459	OUTER ISLAND
CL461	OUTER WILLARD ISLAND
CL517	RASPBERRY ISLAND
CL562	SHAG LEDGE
CL573	SHIPSTERN ISLAND PRESERVE
CL660	TRAFTON ISLAND
CL668	UPPER BIRCH ISLAND PRESERVE
CL900	MAINE COASTAL ISLANDS NWR

**BOAT LAUNCHES (BL)** (state sponsored or assisted)

EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL359	ADDISON	TR	18	Y	ALL	Y

**MARINE GEOLOGY LAYERS**

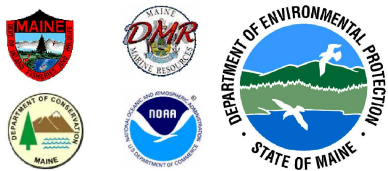
Ranked most to least vulnerable

Marshes (1)   
 Coarse Flats & Bars, Exposed (3)   
 Mixed & Low Energy Beaches (5)   
 Rocky Shores (7)

Mud Flats, Sheltered (2)   
 Coarse Beaches & Riprap (4)   
 Sand Beaches (6)   
 Sand Dunes (8)

Coastal Barrier Resources System Area

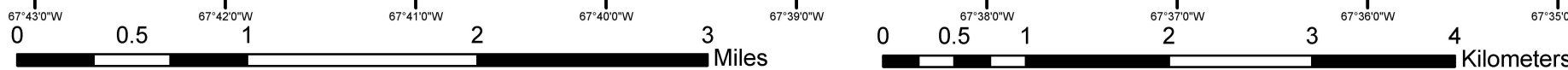
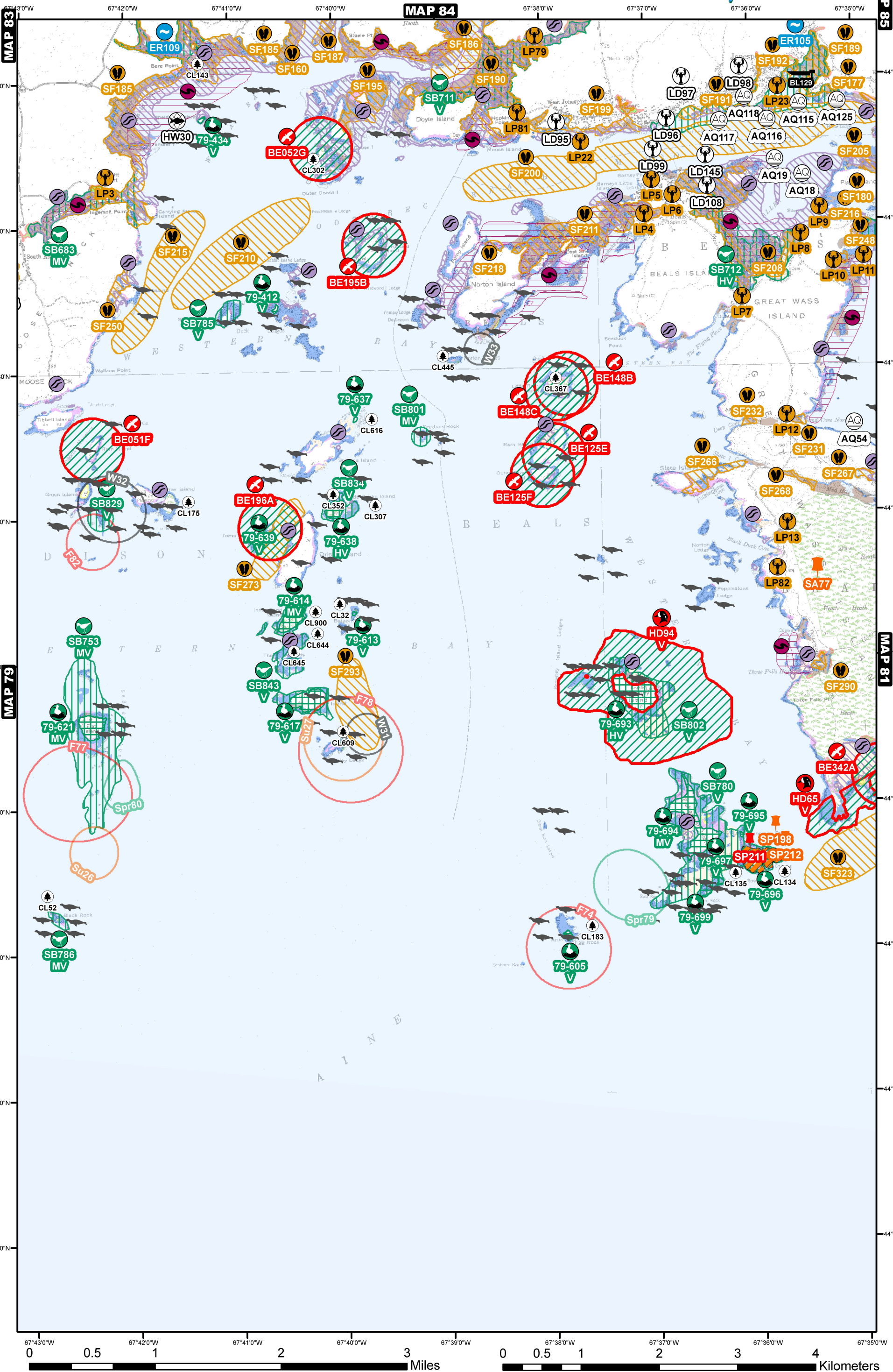
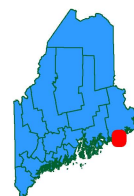




# MAP 80 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

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1:45,000









# ENVIRONMENTAL SENSITIVITY MAP - 80

GEOGRAPHIC RESPONSE D-12-1 D-13-1 D-14-1 D-14-3 D-15-1 D-16-1 D-17-1  
PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA:

**RAFTING BIRDS** Winter (W) Spring (Spr) Summer (Su) Fall (F)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING	
					C= COMMON U=UNCOMMON																	
					J	F	M	A	M	J	J	A	S	O	N	D						
W31	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.
W32	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.
	Unidentified Merganser	<i>Mergus spp.</i>			C	C	C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Nov.- Dec.	Dec.- Feb.	Jul.- Aug.
W33	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.
	Bufflehead	<i>Bucephala albeola</i>			C	C	C	C	U				U	C	C	C	C	Apr.- May		Sep.- Dec.	Nov.- Mar.	

**FISH:** DIADROMOUS FISH (DF) ELVER RUNS (ER) HERRING SPAWNING AREAS (HS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT	
					C= COMMON U=UNCOMMON																
					J	F	M	A	M	J	J	A	S	O	N	D					
ER105	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.

**SHELLFISH** SHELLFISH BEDS (SF) MUSSEL SEED CONSERVATION AREAS (MS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT	
					C= COMMON U=UNCOMMON																
					J	F	M	A	M	J	J	A	S	O	N	D					
SF112	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF160	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF166	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF177	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF180	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF185	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF186	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.
SF187	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF189	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF190	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF191	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF192	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF195	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF196	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF199	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF200	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.
SF205	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF208	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF210	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.
SF211	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF214	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF215	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.
SF216	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF218	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF231	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF232	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF248	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF250	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF266	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF267	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF268	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF273	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.
SF290	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF293	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.
SF323	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.

**HABITATS:** SEAL HAUL-OUTS EELGRASS BEDS MARINE WORM HABITAT  
COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING		
				C= COMMON U=UNCOMMON															
				J	F	M	A	M	J	J	A	S	O	N	D				
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr.- Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C	C	C		Jan.- Feb.

**LOBSTER POUNDS (LP) LOBSTER DEALERS (LD) HERRING WEIR SITES (HW)**

EVI NO	NAME	CONTACT / ADDRESS	PHONE	SIZE
HW30	Maynard Morrison	Shore Rd, Perry, ME 04667	853-6666	
LD108	Great Wass Seafood Co.	Clinton Libby	497-2545	
LD145	Perio Point Lobster			
LD95	Smith Lob. Co.	Bryon Carver Jr.	497-2310	
LD96	BealsJonesport Coop		497-2020	
LD97	Oscar Look	Edward Look	497-5978	
LD98	Sid Look		497-2353	
LD99	Barney Cove Lob.	Stanley Beal	497-2244	
LP10	Long Point Lobster Co.	Guy Carver	497-5507	13000SF
LP11	Long Point Lobster Co.	Guy Carver	497-5507	0SF
LP12	Carver Industries	Albert Carver	497-2261	15000SF
LP13	Black Duck Cove Lobsters	Elmer Beal	497-2232	14000SF
LP22	Kirby + Look	Lewis Kirby		6500SF
LP23	O.W. & B.S. Look	Sid Look	497-2353	5000SF
LP3	Associated Lobster Sales	Clifton Look, Jr.	483-2353	10000SF
LP4	Alley Bros.	Donald Alley	497-5527	3000SF
LP5	Perio Point Lobster Co.	Richard Carver	497-5477	4000SF
LP6	Carver's Snappy Lobster	Albert & Richard Carver	497-2261	5000SF
LP7	Flying Place Lobster	Albert & Richard Carver	497-2261	12500SF
LP79	Charles Huntley	inactive?	346-2557	0SF
LP8	Hixey Head Lobster Co.	Clinton Libby	497-2169	10000SF
LP81	Huntley Lobster Pound	Charles Huntley		12000SF
LP82	Black Duck Cove Lobsters	Elmer Beal	497-2232	0SF
LP9	Great Wass Seafood	Bruce White	497-2545	2000SF

**AQUACULTURE SITES (AQ)**

EVI NO	PRIMARY SPECIES	CONTACT / ADDRESS	PHONE	SIZE
AQ115	blue mussels	Ralph Smith	207-497-5721	0.01AC
AQ116	blue mussels	Ralph Smith	207-497-5721	0.01AC
AQ117	blue mussels	Ralph Smith	207-497-5721	0.01AC
AQ118	blue mussels	Ralph Smith	207-497-5721	0.01AC
AQ125	blue mussels	John D. Wood	207-255-3005	3.97AC
AQ18	blue mussels	Isaac K. Beal	207-497-5632	14.98AC
AQ19	blue mussels	Isaac K. Beal	207-497-5632	14.98AC

**CONSERVATION LANDS (CL)**

EVI NO	NAME
CL134	CRUMPLE ISLAND PRESERVE, GREAT WASS ARCHIPELAGO
CL135	CURLEW ROCK
CL143	DANIELS ISLAND



# ENVIRONMENTAL SENSITIVITY MAP - 80

GEOGRAPHIC RESPONSE D-12-1 D-13-1 D-14-1 D-14-3 D-15-1 D-16-1 D-17-1  
 PLANS (BOOMING STRATEGIES) FOR  
 THIS MAP AREA:

## CONSERVATION LANDS (CL)

EVI NO	NAME
CL175	EAST PLUMMER ISLAND PRESERVE
CL183	EGG ROCK
CL245	GREAT WASS ISLAND PRESERVE
CL302	INNER GOOSE ISLAND
CL307	ISLAND
CL32	BATSON ISLAND
CL352	LITTLE DRISKO ISLAND
CL367	LITTLE RAM ISLAND
CL445	NORTON LEDGES
CL52	BLACK ROCK
CL609	STANLEY ROCK
CL616	STEVENS ISLAND
CL644	THE SANDS 1
CL645	THE SANDS 2
CL900	MAINE COASTAL ISLANDS NWR

## BOAT LAUNCHES (BL) (state sponsored or assisted)

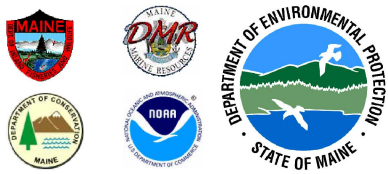
EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL129	DOC	TR	10	Y	ALL	N

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

-  Marshes (1)
-  Coarse Flats & Bars, Exposed (3)
-  Mixed & Low Energy Beaches (5)
-  Rocky Shores (7)
-  Mud Flats, Sheltered (2)
-  Coarse Beaches & Riprap (4)
-  Sand Beaches (6)
-  Sand Dunes (8)
-  Coastal Barrier Resources System Area

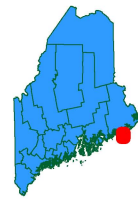




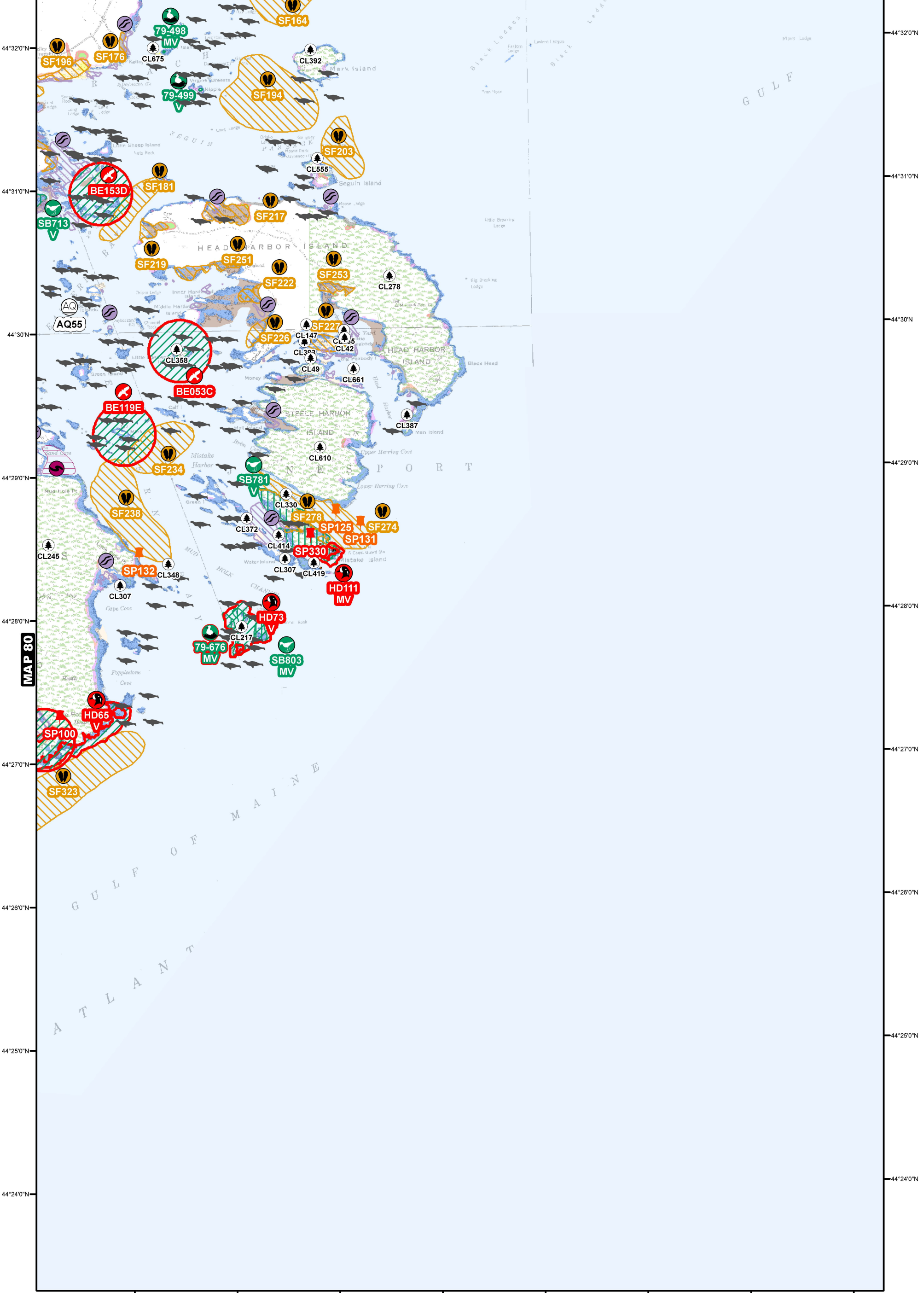
# MAP 81 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

These maps are intended to provide information solely for marine oil spill contingency planning.  
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1:45,000



MAP 84      67°34'0"W      67°33'0"W      67°32'0"W      67°31'0"W      MAP 85      67°30'W      67°29'0"W      67°28'0"W      67°27'0"W      MAP 86



MAP 80

0      0.5      1      2      3      4      Miles      0      0.5      1      2      3      4      Kilometers









# ENVIRONMENTAL SENSITIVITY MAP - 81

GEOGRAPHIC RESPONSE D-16-1 D-17-1  
 PLANS (BOOMING STRATEGIES) FOR  
 THIS MAP AREA:

## CONSERVATION LANDS (CL)

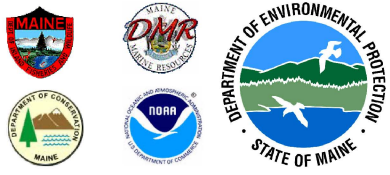


EVI NO	NAME
CL330	KNIGHT ISLAND
CL348	LITTLE CAPE
CL358	LITTLE HARDWOOD ISLAND
CL372	LITTLE WATER ISLAND
CL387	MAN ISLANDS PRESERVE, GREAT WASS ARCHIPELIGO
CL392	MARK ISLAND PRESERVE, GREAT WASS ARCHIPELIGO
CL393	MARSH ISLAND, THE COW YARD, GREAT WASS ARCHIPELAGO
CL414	MISTAKE ISLAND PRESERVE, GREAT WASS ARCHIPELIGO
CL419	MOOSE PEAK LIGHT, MISTAKE IS.
CL42	BIG PEABODY ISLAND, THE COW YARD, GREAT WASS ARCHIPELAGO
CL49	BLACK ISLAND PRESERVE, GREAT WASS ARCHIPELIGO
CL555	SEGUIN ISLAND EASMENT, GREAT WASS ARCHIPELAGO
CL610	STEELE HARBOR ISLAND EASMENT, GREAT WASS ARCHIPELAGO
CL635	THE COW YARD
CL661	TREASURE/DEVILS ISLAND
CL675	VIRGIN ISLAND

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

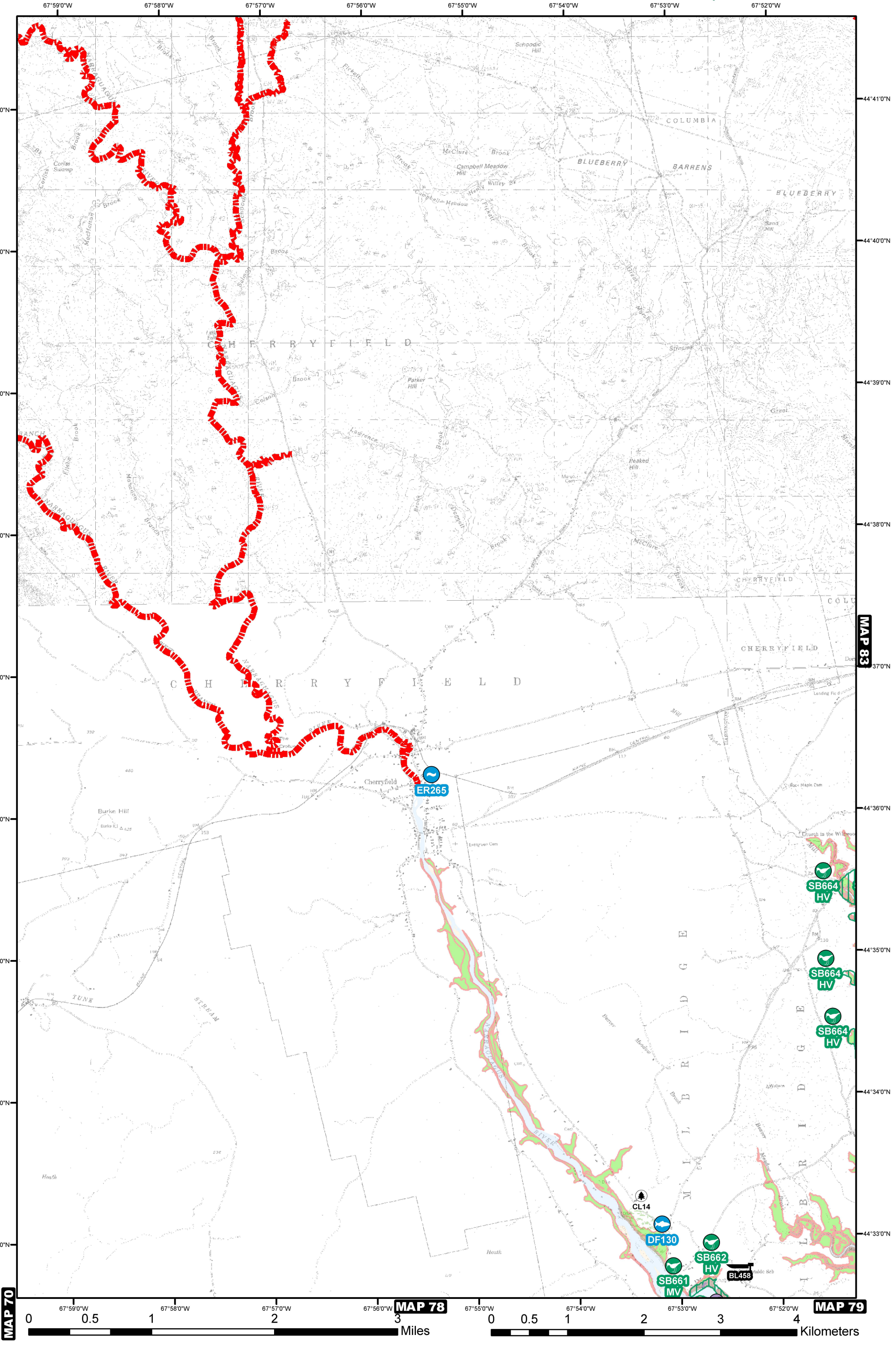
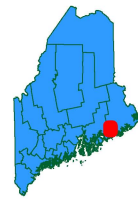
Marshes (1)	Coarse Flats & Bars, Exposed (3)	Mixed & Low Energy Beaches (5)	Rocky Shores (7)	Coastal Barrier Resources System Area
Mud Flats, Sheltered (2)	Coarse Beaches & Riprap (4)	Sand Beaches (6)	Sand Dunes (8)	



# MAP 82 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

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1:45,000





# ENVIRONMENTAL SENSITIVITY MAP - 82

GEOGRAPHIC RESPONSE D-07-1 D-08-1  
 PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA:

## THREATENED AND ENDANGERED SPECIES / SPECIES OF SPECIAL CONCERN

**BALD EAGLE** **ESSENTIAL HABITAT (BE)**

**HARLEQUIN DUCK** **WINTERING HABITAT (HD)**

**PIPING PLOVER / LEAST TERN** **ESSENTIAL HABITAT (PPLT)**

**ROSEATE TERN** **ESSENTIAL HABITAT (RT)**

**Other T or E Species**  
 SA: Sensitive Animal  
 SP: Sensitive Plant

**Other SSC**  
 SA = Sensitive Animal  
 SP = Sensitive Plant

### MARINE SPECIES / ATLANTIC SALMON (where endangered)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	EGGS	LARVAE	JUVENILES	ADULT
					C=COMMON			U=UNCOMMON			R=RARE			X=PRESENT							
					J	F	M	A	M	J	J	A	S	O	N	D					
RIVER	Atlantic Salmon	<i>Salmo salar</i>		E				R	x	x	x	x	x	x	R	FW		FW	Apr.-Jul.		

### SHOREBIRDS (SB) SHOREBIRD SITES ON THIS MAP INCLUDE ONE OR MORE OBSERVATIONS OF THE FOLLOWING SPECIES

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING
				C=COMMON			U=UNCOMMON			R=RARE			X=PRESENT							
				J	F	M	A	M	J	J	A	S	O	N	D					
Sanderling	<i>Calidris alba</i>						U	U	C	C	C	C	C	U	May - Jun.		Jul. - Nov.			
Unidentified Dowitcher	<i>Limnodromus spp.</i>						C	U	C	C	C	C	U	May - Jun.		Jul. - Oct.				
Greater Yellowlegs	<i>Tringa melanoleuca</i>						C	C	U	C	C	C	U	Apr. - Jun.		Jul. - Nov.				
Killdeer	<i>Charadrius vociferus</i>				U			C	C	C	C	C	C	U	Mar. - Apr.	Apr. - Aug.	Sep. - Nov.			
Least Sandpiper	<i>Calidris minutilla</i>						C	U	C	C	C	C	U	May - Jun.		Jul. - Oct.				
Lesser Yellowlegs	<i>Tringa flavipes</i>						U		C	C	C	C	U	May		Jul. - Oct.				
Black-bellied Plover	<i>Pluvialis squatarola</i>						C	C	U	C	C	C	U	May - Jun.		Jul. - Nov.				
Ruddy Turnstone	<i>Arenaria interpres</i>						U	C	C	C	C	C	U	U	Apr. - Jun.		Jul. - Nov.			
Unidentified Yellowlegs	<i>Tringa spp.</i>						C	C	U	U	C	C	C	U	Apr. - Jun.		Jul. - Nov.			
Short-billed Dowitcher	<i>Limnodromus griseus</i>						C	U	C	C	C	C	U	May - Jun.		Jul. - Oct.				
Semipalmated Plover	<i>Charadrius semipalmatus</i>						C	C	C	C	C	C	U	May - Jun.		Jul. - Oct.				
Semipalmated Sandpiper	<i>Calidris pusilla</i>						C	C	C	C	C	C	U	May - Jun.		Jul. - Oct.				
Spotted Sandpiper	<i>Actitis macularia</i>						U	C	C	C	C	C	U			Jul. - Oct.				
Whimbrel	<i>Numenius phaeopus</i>	SSC								U	U	U	U			Jul. - Sep.				
White-rumped Sandpiper	<i>Calidris fuscicollis</i>									U	U	U	U			Jul. - Oct.				
Unidentified Sandpiper	<i>Calidris spp.</i>						U	C	C	C	C	C	U	U	May - Jun.		Jul. - Oct.			

### FISH: DIADROMOUS FISH (DF) ELVER RUNS (ER) HERRING SPAWNING AREAS (HS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					C=COMMON			U=UNCOMMON			R=RARE			X=PRESENT						
					J	F	M	A	M	J	J	A	S	O	N	D	FW=FRESHWATER R=RARE			
DF130	salmon atlantic	<i>Salmo salar</i>						R	x	x	x	x	x	x	R	FW	FW	Apr-Jul	Apr.-Oct.	
	trout brook	<i>Salvelinus fontinalis</i>			x	x	x	x						x	x	FW	FW	FW	May-Sep.	
	smelt rainbow	<i>Osmerus mordax</i>			x	x	x	x	x	x	x	x	x	x	x	Mar.-Jun.	May-Sept.	Jan-Dec	Jan.-Dec.	
	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
	alewife	<i>Alosa pseudoharengus</i>			R	R	R	x	x	x	x	x	x	x	R	FW	FW	Jan-Dec	Apr.-Oct.	
ER265	shad american	<i>Alosa sapidissima</i>					R	R	x	x	x	x	x	x	R	FW	FW	May-Oct	May-Sep.	
	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	

### HABITATS: SEAL HAUL-OUTS ELGRASS BEDS MARINE WORM HABITAT

COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING
				C=COMMON			U=UNCOMMON			R=RARE			X=PRESENT				
				J	F	M	A	M	J	J	A	S	O	N	D		
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr. - Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Jan. - Feb.

### CONSERVATION LANDS (CL)

EVI NO	NAME
CL14	BACK BAY
CL307	ISLAND

### BOAT LAUNCHES (BL) (state sponsored or assisted)

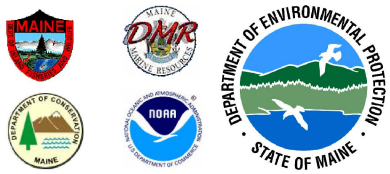
EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL458	MILBRIDGE	TR	8	Y	ALL	N

### MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

- Marshes (1)
- Coarse Flats & Bars, Exposed (3)
- Mixed & Low Energy Beaches (5)
- Rocky Shores (7)
- Mud Flats, Sheltered (2)
- Coarse Beaches & Riprap (4)
- Sand Beaches (6)
- Sand Dunes (8)
- Coastal Barrier Resources System Area

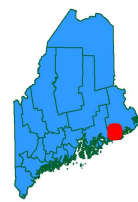




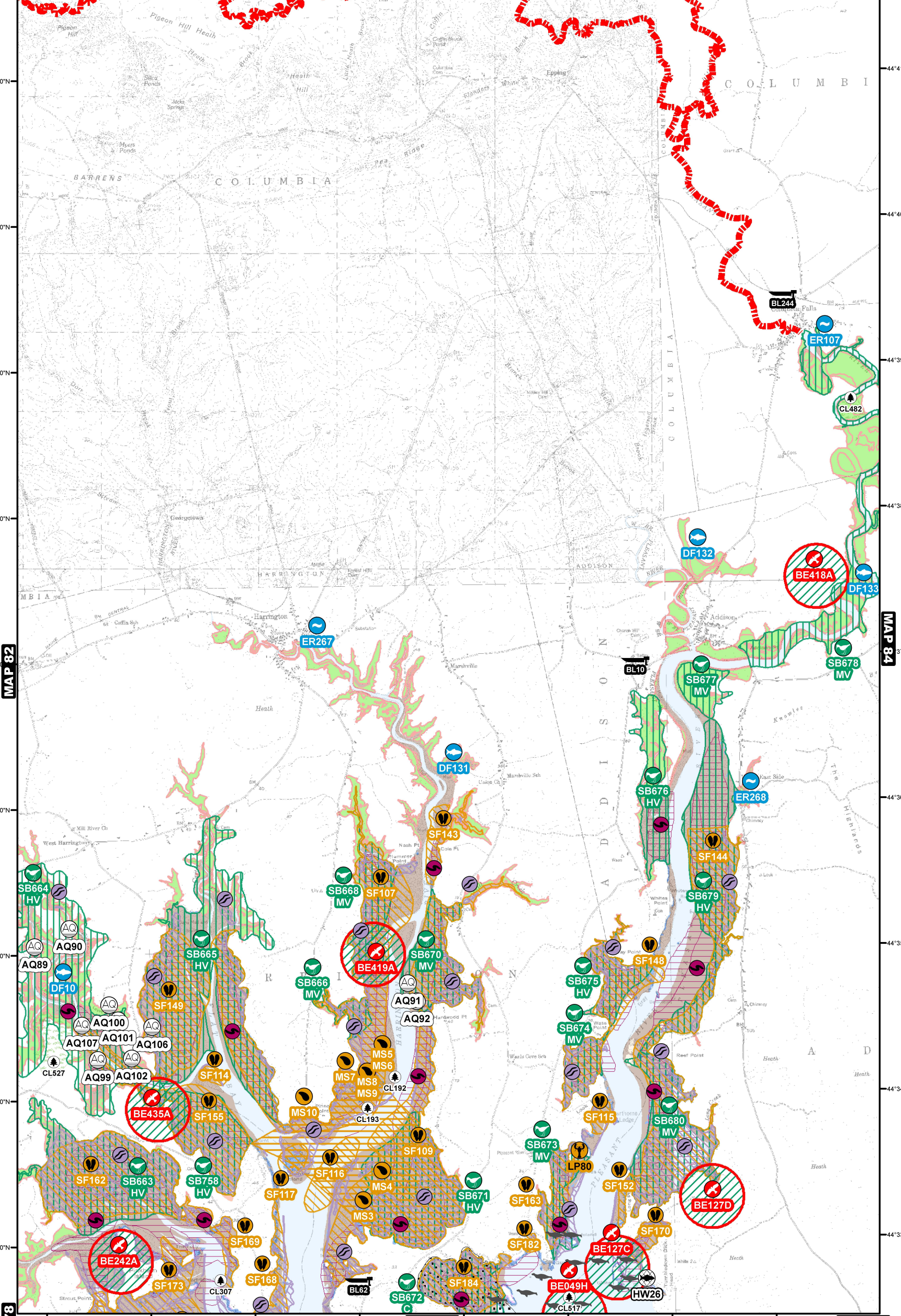
# MAP 83 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

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1:45,000



67°51'0"W 67°50'0"W 67°49'0"W 67°48'0"W 67°47'0"W 67°46'0"W 67°45'0"W 67°44'0"W 67°43'0"W



MAP 82

MAP 84

MAP 78

MAP 79

MAP 80

0 0.5 1 2 3 4 Miles 0 0.5 1 2 3 4 Kilometers











# ENVIRONMENTAL SENSITIVITY MAP - 83

GEOGRAPHIC RESPONSE D-07-1 D-08-1 D-09-2 D-10-2 D-10-3 D-11-1  
 PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA:

**SHELLFISH SHELLFISH BEDS (SF)** **MUSSEL SEED CONSERVATION AREAS (MS)**

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					J	F	M	A	M	J	J	A	S	O	N	D				
SF173	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF182	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF184	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		

**HABITATS:** **SEAL HAUL-OUTS** **EELGRASS BEDS** **MARINE WORM HABITAT**

COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING	
				C= COMMON U=UNCOMMON														
				J	F	M	A	M	J	J	A	S	O	N	D			
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr. - Jun.	
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Jan. - Feb.	

**LOBSTER POUNDS (LP)** **LOBSTER DEALERS (LD)** **HERRING WEIR SITES (HW)**

EVI NO	NAME	CONTACT / ADDRESS	PHONE	SIZE
HW26	None			
LP80	HIS Cove	Bruce & Pat Petrie	483-2424	140000SF

**AQUACULTURE SITES (AQ)**

EVI NO	PRIMARY SPECIES	CONTACT / ADDRESS	PHONE	SIZE
AQ100	hard clams and oysters	Philip LeBlanc	207-483-2801	0.01AC
AQ101	hard clams and oysters	Karrie Anderson	207-483-2030	0.01AC
AQ102	hard clams and oysters	Karrie Anderson	207-483-2030	0.01AC
AQ106	hard clams and oysters	Karrie Anderson	207-483-2030	0.01AC
AQ107	hard clams and oysters	Karrie Anderson	207-483-2030	0.01AC
AQ89	hard clams and oysters	James Anderson	207-483-2030	0.01AC
AQ90	hard clams and oysters	James Anderson	207-483-2030	0.01AC
AQ91	hard clams and oysters	James Anderson	207-483-2030	0.01AC
AQ92	hard clams and oysters	James Anderson	207-483-2030	0.01AC
AQ99	hard clams and oysters	Philip LeBlanc	207-483-2801	0.01AC

**CONSERVATION LANDS (CL)**

EVI NO	NAME
CL192	FIVE ISLANDS 1
CL193	FIVE ISLANDS 2
CL307	ISLAND
CL482	PLEASANT RIVER
CL517	RASPBERRY ISLAND
CL527	ROBINSON PROPERTY

**BOAT LAUNCHES (BL)** (state sponsored or assisted)

EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL10	ADDISON	TR	7	Y	ALL	N
BL244	PLEASANT RIVER F&G	CI		N	FRESH WATER	N
BL62	HARRINGTON	TR		N	ALL	N

**MARINE GEOLOGY LAYERS**

Ranked most to least vulnerable

- Marshes (1)
- Coarse Flats & Bars, Exposed (3)
- Mixed & Low Energy Beaches (5)
- Rocky Shores (7)
- Coastal Barrier Resources System Area
- Mud Flats, Sheltered (2)
- Coarse Beaches & Riprap (4)
- Sand Beaches (6)
- Sand Dunes (8)



















# ENVIRONMENTAL SENSITIVITY MAP - 85

GEOGRAPHIC RESPONSE D-16-1 D-17-1 D-18-1 D-18-2 D-18-3 D-19-1 D-20-1  
 PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA:

**FISH: DIADROMOUS FISH (DF)** **ELVER RUNS (ER)** **HERRING SPAWNING AREAS (HS)**

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					J	F	M	A	M	J	J	A	S	O	N	D				
	smelt rainbow	<i>Osmerus mordax</i>			x	x	x	x	x	x	x	x	x	x	x	Mar.-Jun.	May-Sept.	Jan-Dec	Jan.-Dec.	
	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.		
	trout brook	<i>Salvelinus fontinalis</i>			x	x	x	x							FW	FW	FW	May-Sep.		
ER269	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.		
HS24	herring atlantic	<i>Clupea harengus</i>			x	x	x	x	x	x	x	x	x	x	Aug.-Nov.	Sep.-May	Jan-Dec	Jan.-Dec.		

**SHELLFISH SHELLFISH BEDS (SF)** **MUSSEL SEED CONSERVATION AREAS (MS)**

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					J	F	M	A	M	J	J	A	S	O	N	D				
SF100	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF102	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF103	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF106	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF108	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF110	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF111	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF113	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF123	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF129	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF131	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF134	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF135	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF136	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF138	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF139	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.		
SF141	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.		
SF142	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF145	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.		
SF146	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF147	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.		
SF150	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF151	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF153	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.		
SF154	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF156	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF157	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF161	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF164	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.		
SF172	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF174	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF71	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF94	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF95	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF96	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF97	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		

**HABITATS: SEAL HAUL-OUTS** **EELGRASS BEDS** **MARINE WORM HABITAT**

COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING
				C= COMMON U=UNCOMMON													
				J	F	M	A	M	J	J	A	S	O	N	D		
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr.- Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Jan.- Feb.

**LOBSTER POUNDS (LP)** **LOBSTER DEALERS (LD)** **HERRING WEIR SITES (HW)**

EVI NO	NAME	CONTACT / ADDRESS	PHONE	SIZE
HW31	Frederick Cowles	P.O. Box 247, Eastport, ME 046		
HW32	Alvery Preston	RFD 1, Box 149, Machias, ME 04		
HW33	Alvery Preston	RFD 1, Box 149, Machias, ME 04		
HW34	Alvery Preston	RFD 1, Box 149, Machias, ME 04		
HW35	Shirley Look	Kennebec Rd, Machias, ME 04654		

**CONSERVATION LANDS (CL)**

EVI NO	NAME
CL1	UNIDENTIFIED
CL186	ENGLISHMANS RIVER
CL22	BALLAST ISLAND
CL246	GREEN ISLAND
CL497	PULPIT ROCK
CL531	ROQUE BLUFFS STATE PARK
CL688	WESTERN BROTHERS ISLAND
CL900	MAINE COASTAL ISLANDS NWR

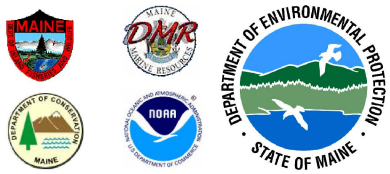
**MARINE GEOLOGY LAYERS**

Ranked most to least vulnerable

- Marshes (1)
- Coarse Flats & Bars, Exposed (3)
- Mixed & Low Energy Beaches (5)
- Rocky Shores (7)
- Mud Flats, Sheltered (2)
- Coarse Beaches & Riprap (4)
- Sand Beaches (6)
- Sand Dunes (8)

Coastal Barrier Resources System Area

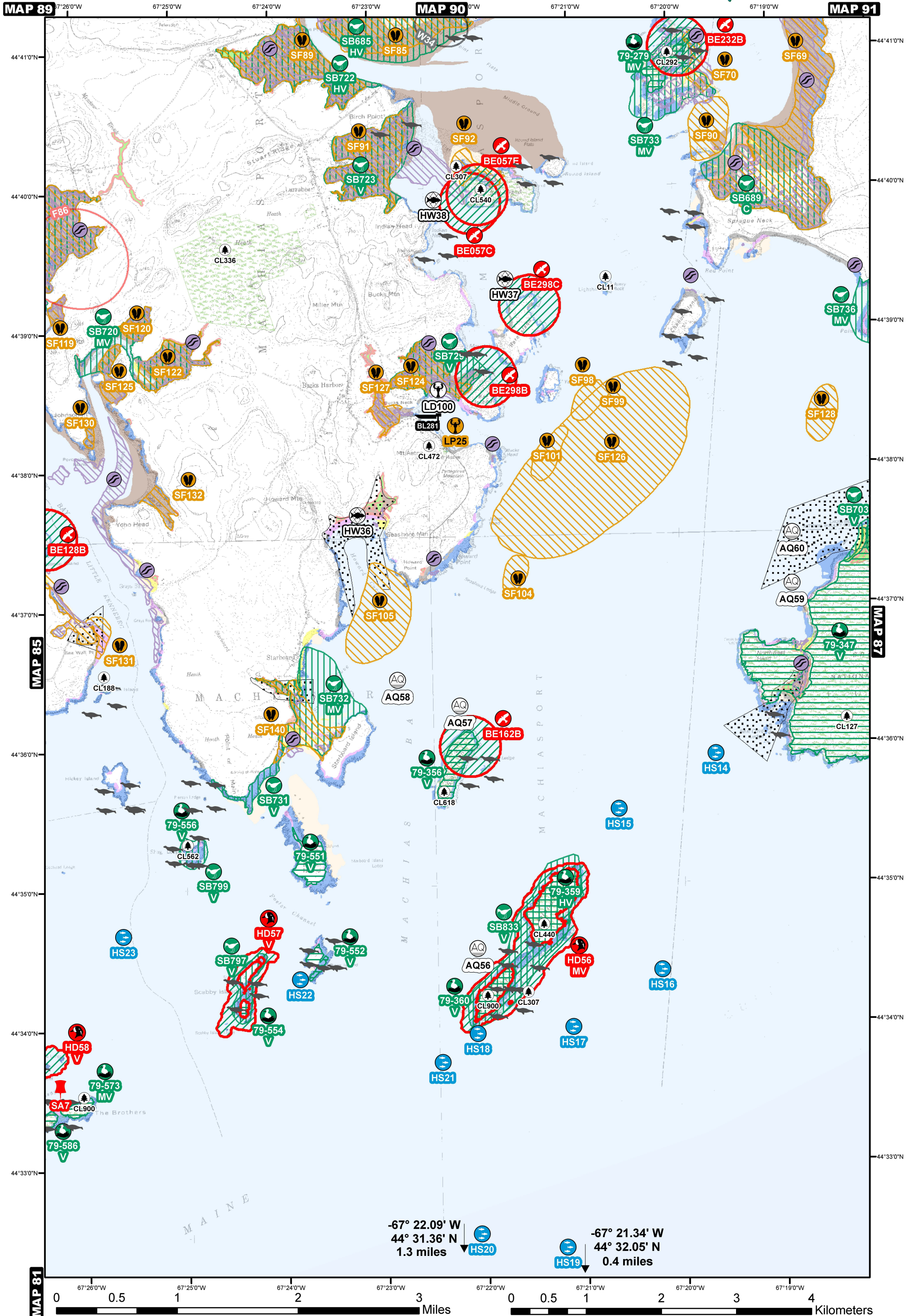
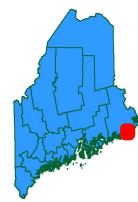




# MAP 86 MAINE ENVIRONMENTAL VULNERABILITY INDEX

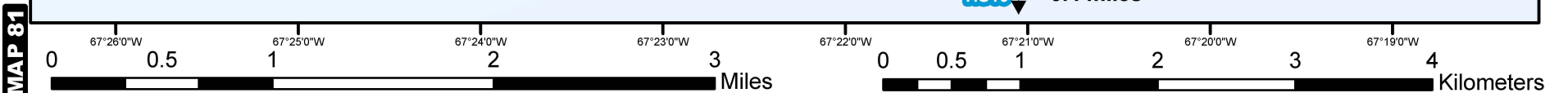
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These maps are intended to provide information solely for marine oil spill contingency planning. Not all resources in any specific area will be shown. Contact agencies directly for more information.  
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-67° 22.09' W  
44° 31.36' N  
1.3 miles

-67° 21.34' W  
44° 32.05' N  
0.4 miles











# ENVIRONMENTAL SENSITIVITY MAP - 86

GEOGRAPHIC RESPONSE D-20-1 D-21-1 D-22-1 D-23-1  
PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA:

## FISH: DIADROMOUS FISH (DF) ELVER RUNS (ER) HERRING SPAWNING AREAS (HS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					J	F	M	A	M	J	J	A	S	O	N	D				
HS14	herring atlantic	<i>Clupea harengus</i>			x	x	x	x	x	x	x	x	x	x	x	x	Aug.-Nov.	Sep.-May	Jan-Dec	Jan.-Dec.
HS15	herring atlantic	<i>Clupea harengus</i>			x	x	x	x	x	x	x	x	x	x	x	Aug.-Nov.	Sep.-May	Jan-Dec	Jan.-Dec.	
HS16	herring atlantic	<i>Clupea harengus</i>			x	x	x	x	x	x	x	x	x	x	x	Aug.-Nov.	Sep.-May	Jan-Dec	Jan.-Dec.	
HS17	herring atlantic	<i>Clupea harengus</i>			x	x	x	x	x	x	x	x	x	x	x	Aug.-Nov.	Sep.-May	Jan-Dec	Jan.-Dec.	
HS18	herring atlantic	<i>Clupea harengus</i>			x	x	x	x	x	x	x	x	x	x	x	Aug.-Nov.	Sep.-May	Jan-Dec	Jan.-Dec.	
HS21	herring atlantic	<i>Clupea harengus</i>			x	x	x	x	x	x	x	x	x	x	x	Aug.-Nov.	Sep.-May	Jan-Dec	Jan.-Dec.	
HS22	herring atlantic	<i>Clupea harengus</i>			x	x	x	x	x	x	x	x	x	x	x	Aug.-Nov.	Sep.-May	Jan-Dec	Jan.-Dec.	
HS23	herring atlantic	<i>Clupea harengus</i>			x	x	x	x	x	x	x	x	x	x	x	Aug.-Nov.	Sep.-May	Jan-Dec	Jan.-Dec.	

## SHELLFISH SHELLFISH BEDS (SF) MUSSEL SEED CONSERVATION AREAS (MS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					J	F	M	A	M	J	J	A	S	O	N	D				
SF101	clam ocean quahog	<i>Arctica islandica</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Sep.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	
	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	
SF104	clam ocean quahog	<i>Arctica islandica</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Sep.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	
SF105	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	
SF119	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF120	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF122	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF124	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF125	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF126	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	
SF127	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF128	clam ocean quahog	<i>Arctica islandica</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Sep.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	
SF130	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF131	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF132	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF140	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF69	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF70	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF71	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF85	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF89	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF90	blue mussel	<i>Mytilus edulis</i>			x	x	x	x	x	x	x	x	x	x	x	Jun.-Sep.	Jun.-Sep.	Jan-Dec	Jan.-Dec.	
SF91	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF92	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF98	clam ocean quahog	<i>Arctica islandica</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Sep.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	
SF99	clam ocean quahog	<i>Arctica islandica</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Sep.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	
	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.	

## HABITATS: SEAL HAUL-OUTS EELGRASS BEDS MARINE WORM HABITAT

COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING
				J	F	M	A	M	J	J	A	S	O	N	D		
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr. - Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C	Jan. - Feb.	

## LOBSTER POUNDS (LP) LOBSTER DEALERS (LD) HERRING WEIR SITES (HW)

EVI NO	NAME	CONTACT / ADDRESS	PHONE	SIZE
HW36	George Flynn	Bucks Harbor, Machiasport, ME		
HW37	George Sprague	Bucks Harbor, Machiasport, ME		
HW38	George Flynn	Bucks Harbor, Machiasport, ME		
LD100	BBS lobsters	Reginal Wood	255-8888	
LP25	Eastern Atlantic Lobster	Blair West	546-3622	50000SF

## AQUACULTURE SITES (AQ)

EVI NO	PRIMARY SPECIES	CONTACT / ADDRESS	PHONE	SIZE
AQ56	atlantic salmon	David Miller or Bob Sweeney	207-255-6714	20AC
AQ57	atlantic salmon	David Miller or Bob Sweeney	207-255-6714	10AC
AQ58	atlantic salmon	David Miller or Bob Sweeney	207-255-6714	40AC
AQ59	atlantic salmon	David Miller or Bob Sweeney	207-255-6714	25AC
AQ60	atlantic salmon	David Miller or Bob Sweeney	207-255-6714	20AC

## CONSERVATION LANDS (CL)

EVI NO	NAME
CL11	AVERY ROCK
CL127	CROSS ISLAND NWR
CL188	FAN ISLAND
CL292	HOG ISLAND
CL307	ISLAND
CL336	LARRABEE HEATH PRESERVE
CL440	NORTH LIBBY ISLAND
CL472	PETTEGROW BEACH
CL540	SALT ISLAND PRESERVE
CL562	SHAG LEDGE
CL618	STONE ISLAND PRESERVE
CL688	WESTERN BROTHERS ISLAND
CL900	MAINE COASTAL ISLANDS NWR

## BOAT LAUNCHES (BL) (state sponsored or assisted)

EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL281	MACHIASPORT	TR	16	N	ALL	N

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

Marshes (1)
  Coarse Flats & Bars, Exposed (3)
  Mixed & Low Energy Beaches (5)
  Rocky Shores (7)

Mud Flats, Sheltered (2)
  Coarse Beaches & Riprap (4)
  Sand Beaches (6)
  Sand Dunes (8)

Coastal Barrier Resources System Area













# ENVIRONMENTAL SENSITIVITY MAP - 87

GEOGRAPHIC RESPONSE D-22-1  
 PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA:

## HABITATS:

**SEAL HAUL-OUTS**



COUNTS COMBINE HARBOR AND GRAY SEAL

**EELGRASS BEDS**



**MARINE WORM HABITAT**



COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING
				C= COMMON U=UNCOMMON						C= COMMON U=UNCOMMON							
				J	F	M	A	M	J	J	A	S	O	N	D		
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr. - Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Jan. - Feb.

## LOBSTER POUNDS (LP)



## LOBSTER DEALERS (LD)



## HERRING WEIR SITES (HW)



EVI NO	NAME	CONTACT / ADDRESS	PHONE	SIZE
HW39	Robert Cates	Box 294, Cutler, ME 04626		
HW40	Albert Davidson	Cutler, ME 04626		
HW41	Francis Randell	Dennison PT Rd, Cutler, ME 046		
HW42	Robert Cates	Box 294, Cutler, ME 04626		
HW43	Francis Randell	Dennison Pt Rd, Cutler, ME 046		
HW44	Ellis Beam	Box 252, Cutler, ME 04626		
HW45	Ellis Beam	Box 252, Cutler, ME 04626		
HW46	Robert Cates	Cutler, ME 04626		
HW47	Dewey Maker	Cove Rd., Cutler, ME 04626		
HW48	Ira Beam	HCR 69, Box 355, Cutler, ME 04		
HW49	David Cline	HCR 69, Box 148, Lubec, ME 046		
LD101	Little River Lob. Co.	Neil Corbett		
LD107	Stillman Fitzhenry	Stillman Fitzhenry	259-0988	

## AQUACULTURE SITES (AQ)



EVI NO	PRIMARY SPECIES	CONTACT / ADDRESS	PHONE	SIZE
AQ131	oysters	Paul Thompson	207-255-3931	10AC
AQ61	atlantic salmon	David Morang	207-853-6081	10AC
AQ62	atlantic salmon	Robert Cates	207-259-7776	6.3AC
AQ63	atlantic salmon	Robert Cates	207-259-7776	6.9AC

## CONSERVATION LANDS (CL)



EVI NO	NAME
CL127	CROSS ISLAND NWR
CL137	CUTLER (THE CONSERVATION FUND)
CL138	CUTLER COAST
CL153	DOUBLE HEAD SHOT ISLAND 1
CL154	DOUBLE HEAD SHOT ISLAND 2
CL181	EASTERN KNUBBLE
CL307	ISLAND
CL368	LITTLE RIVER ISLAND LIGHT
CL413	MINK ISLAND
CL452	OLD MAN ISLAND
CL51	BLACK LEDGES
CL548	SCOTCH ISLAND
CL691	WESTERN HEAD

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

Marshes (1)

Mud Flats, Sheltered (2)

Coarse Flats & Bars, Exposed (3)

Coarse Beaches & Riprap (4)

Mixed & Low Energy Beaches (5)

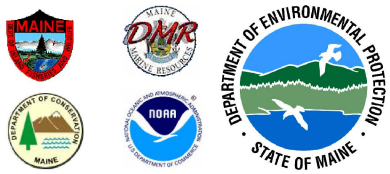
Sand Beaches (6)

Rocky Shores (7)

Sand Dunes (8)

Coastal Barrier Resources System Area

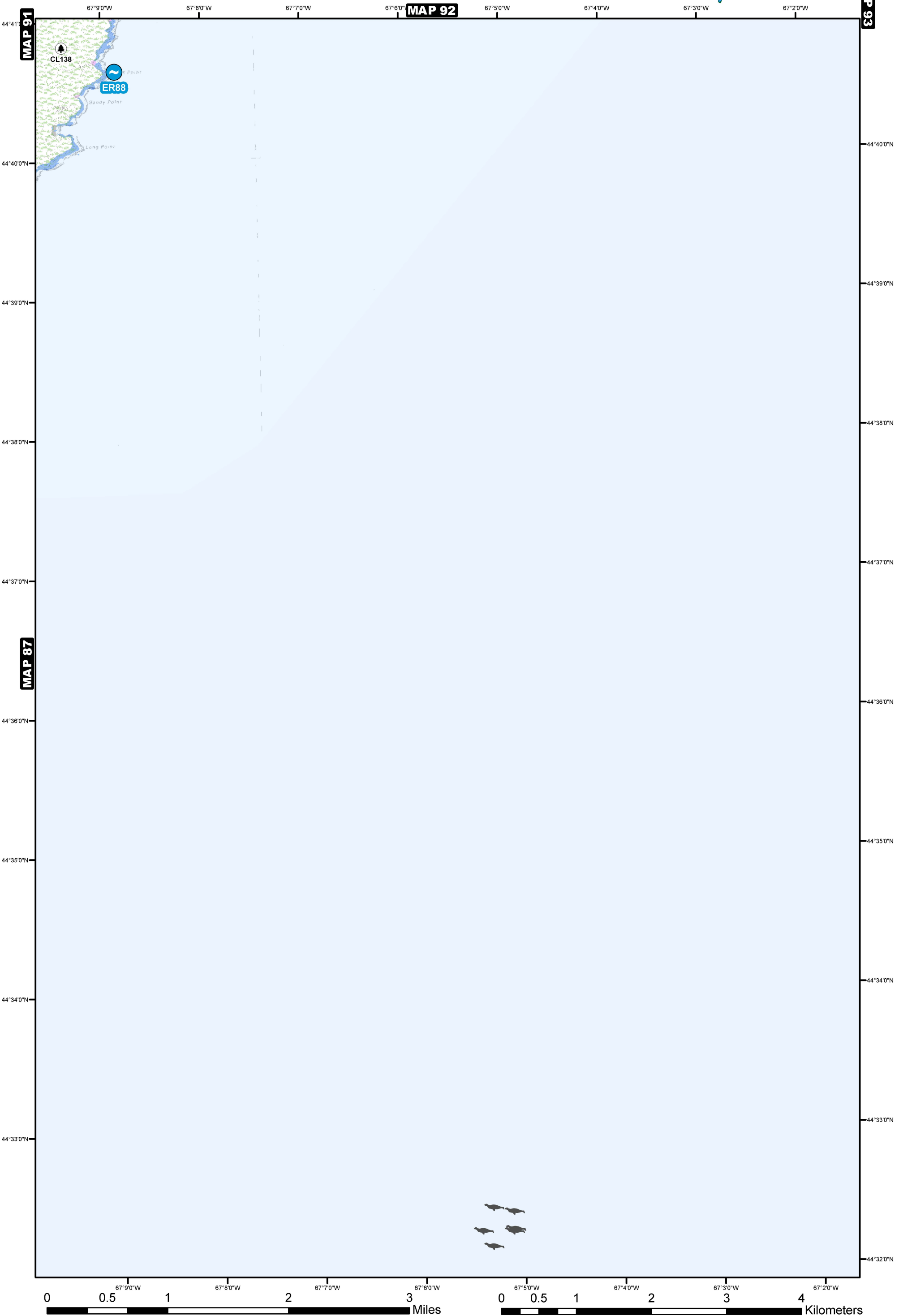
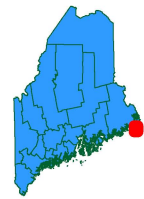




# MAP 88 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

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Not all resources in any specific area will be shown. Contact agencies directly for more information.  
1:45,000





# ENVIRONMENTAL SENSITIVITY MAP - 88

GEOGRAPHIC RESPONSE  
PLANS (BOOMING  
STRATEGIES) FOR  
THIS MAP AREA:

**FISH:** **DIADROMOUS FISH (DF)** **ELVER RUNS (ER)** **HERRING SPAWNING AREAS (HS)**

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT	
					J	F	M	A	M	J	J	A	S	O	N	D					
ER88	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.

**HABITATS:** **SEAL HAUL-OUTS** **EELGRASS BEDS** **MARINE WORM HABITAT**

COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING	
				C= COMMON U=UNCOMMON														
				J	F	M	A	M	J	J	A	S	O	N	D			
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr. - Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C	C		Jan. - Feb.

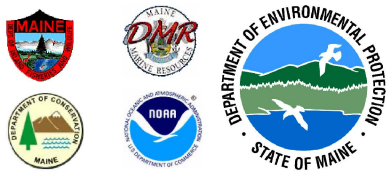
**CONSERVATION LANDS (CL)**

EVI NO	NAME
CL138	CUTLER COAST

**MARINE GEOLOGY LAYERS**

Ranked most to least vulnerable

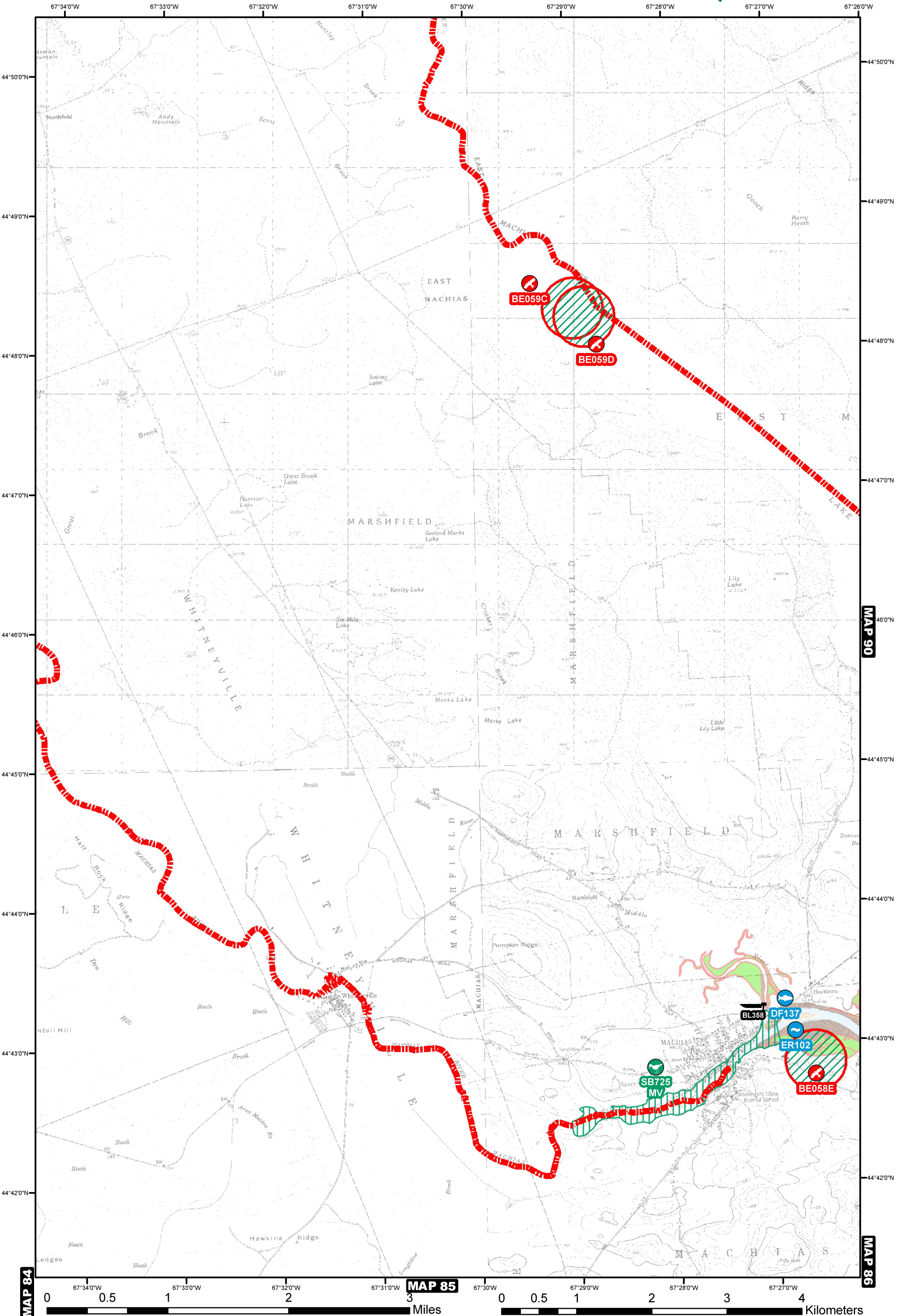
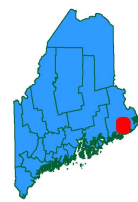
- Marshes (1)
- Coarse Flats & Bars, Exposed (3)
- Mixed & Low Energy Beaches (5)
- Rocky Shores (7)
- Mud Flats, Sheltered (2)
- Coarse Beaches & Riprap (4)
- Sand Beaches (6)
- Sand Dunes (8)
- Coastal Barrier Resources System Area



# MAP 89 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

These maps are intended to provide information solely for marine oil spill contingency planning.  
Not all resources in any specific area will be shown. Contact agencies directly for more information.  
1:45,000







# ENVIRONMENTAL SENSITIVITY MAP - 89

GEOGRAPHIC RESPONSE  
PLANS (BOOMING  
STRATEGIES) FOR  
THIS MAP AREA:

## THREATENED AND ENDANGERED SPECIES / SPECIES OF SPECIAL CONCERN

**BALD EAGLE**  
ESSENTIAL HABITAT (BE)

**HARLEQUIN DUCK**  
WINTERING HABITAT (HD)

**PIPING PLOVER / LEAST**  
TERN ESSENTIAL HABITAT (PPLT)

**ROSEATE TERN**  
ESSENTIAL HABITAT (RT)

Other T or E Species  
SA: Sensitive Animal  
SP: Sensitive Plant

Other SSC  
SA = Sensitive Animal  
SP = Sensitive Plant

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING
					C=COMMON U=UNCOMMON						C=COMMON U=UNCOMMON R=RARE X=PRESENT										
					J	F	M	A	M	J	J	A	S	O	N	D					
BE058E	Bald Eagle	<i>Haliaeetus leucocephalus</i>	T	T	C	C	C	C	C	C	C	C	C	C	C	C		Feb.- Sep.		Oct.- Jan.	
BE059C	Bald Eagle	<i>Haliaeetus leucocephalus</i>	T	T	C	C	C	C	C	C	C	C	C	C	C	C		Feb.- Sep.		Oct.- Jan.	
BE059D	Bald Eagle	<i>Haliaeetus leucocephalus</i>	T	T	C	C	C	C	C	C	C	C	C	C	C	C		Feb.- Sep.		Oct.- Jan.	

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	EGGS	LARVAE	JUVENILES	ADULT
					C=COMMON U=UNCOMMON R=RARE X=PRESENT						C=COMMON U=UNCOMMON R=RARE X=PRESENT										
					J	F	M	A	M	J	J	A	S	O	N	D					
RIVER	Atlantic Salmon	<i>Salmo salar</i>		E				R	x	x	x	x	x	x	R	FW		FW	Apr.-Jul.		

## SHOREBIRDS (SB) SHOREBIRD SITES ON THIS MAP INCLUDE ONE OR MORE OBSERVATIONS OF THE FOLLOWING SPECIES

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING
				C=COMMON U=UNCOMMON						C=COMMON U=UNCOMMON R=RARE X=PRESENT										
				J	F	M	A	M	J	J	A	S	O	N	D					
Unidentified Yellowlegs	<i>Tringa spp.</i>						C	C	U	U	C	C	C	U	Apr.- Jun.		Jul.- Nov.			
White-rumped Sandpiper	<i>Calidris fuscicollis</i>									U	U	U	U			Jul.- Oct.				
Spotted Sandpiper	<i>Actitis macularia</i>						U	C	C	C	C	U				Jul.- Oct.				
Semipalmated Sandpiper	<i>Calidris pusilla</i>						C	C	C	C	C	U	May - Jun.		Jul.- Oct.					
Semipalmated Plover	<i>Charadrius semipalmatus</i>						C	C	C	C	C	U	May - Jun.		Jul.- Oct.					
Short-billed Dowitcher	<i>Limnodromus griseus</i>						C	U	C	C	C	U	May - Jun.		Jul.- Oct.					
Unidentified Sandpiper	<i>Calidris spp.</i>						U	C	C	C	C	U	U	May - Jun.		Jul.- Oct.				
Lesser Yellowlegs	<i>Tringa flavipes</i>						U		C	C	C	U	May		Jul.- Oct.					
Least Sandpiper	<i>Calidris minutilla</i>						C	U	C	C	C	U	May - Jun.		Jul.- Oct.					
Killdeer	<i>Charadrius vociferus</i>						U	C	C	C	C	C	U	Mar.- Apr.	Apr.- Aug.	Sep.- Nov.				
Greater Yellowlegs	<i>Tringa melanoleuca</i>						C	C	U	U	C	C	U	Apr.- Jun.		Jul.- Nov.				
Black-bellied Plover	<i>Pluvialis squatarola</i>						C	C	U	C	C	U	May - Jun.		Jul.- Nov.					

## FISH: DIADROMOUS FISH (DF) ELVER RUNS (ER) HERRING SPAWNING AREAS (HS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					C=COMMON U=UNCOMMON R=RARE X=PRESENT						C=COMMON U=UNCOMMON R=RARE X=PRESENT									
					J	F	M	A	M	J	J	A	S	O	N	D				
DF137	salmon atlantic	<i>Salmo salar</i>						R	x	x	x	x	x	x	R	FW	FW	Apr.-Jul	Apr.-Oct.	
	smelt rainbow	<i>Osmerus mordax</i>			x	x	x	x	x	x	x	x	x	x	x	Mar.-Jun.	May-Sept.	Jan-Dec	Jan.-Dec.	
	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
	alewife	<i>Alosa pseudoharengus</i>			R	R	R	x	x	x	x	x	x	x	R	FW	FW	Jan-Dec	Apr.-Oct.	
	shad american	<i>Alosa sapidissima</i>			R			R	x	x	x	x	x	x	R	FW	FW	May-Oct	May-Sep.	
ER102	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	

## HABITATS: SEAL HAUL-OUTS EELGRASS BEDS MARINE WORM HABITAT

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING
				C=COMMON U=UNCOMMON						C=COMMON U=UNCOMMON R=RARE X=PRESENT							
				J	F	M	A	M	J	J	A	S	O	N	D		
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr.- Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Jan.- Feb.

## BOAT LAUNCHES (BL) (state sponsored or assisted)

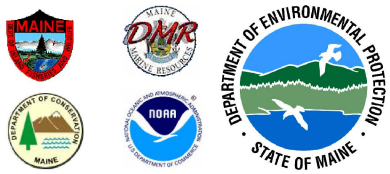
EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL358	MACHIAS	TR	10	Y	ALL	N

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

- Marshes (1)
- Coarse Flats & Bars, Exposed (3)
- Mixed & Low Energy Beaches (5)
- Rocky Shores (7)
- Mud Flats, Sheltered (2)
- Coarse Beaches & Riprap (4)
- Sand Beaches (6)
- Sand Dunes (8)
- Coastal Barrier Resources System Area





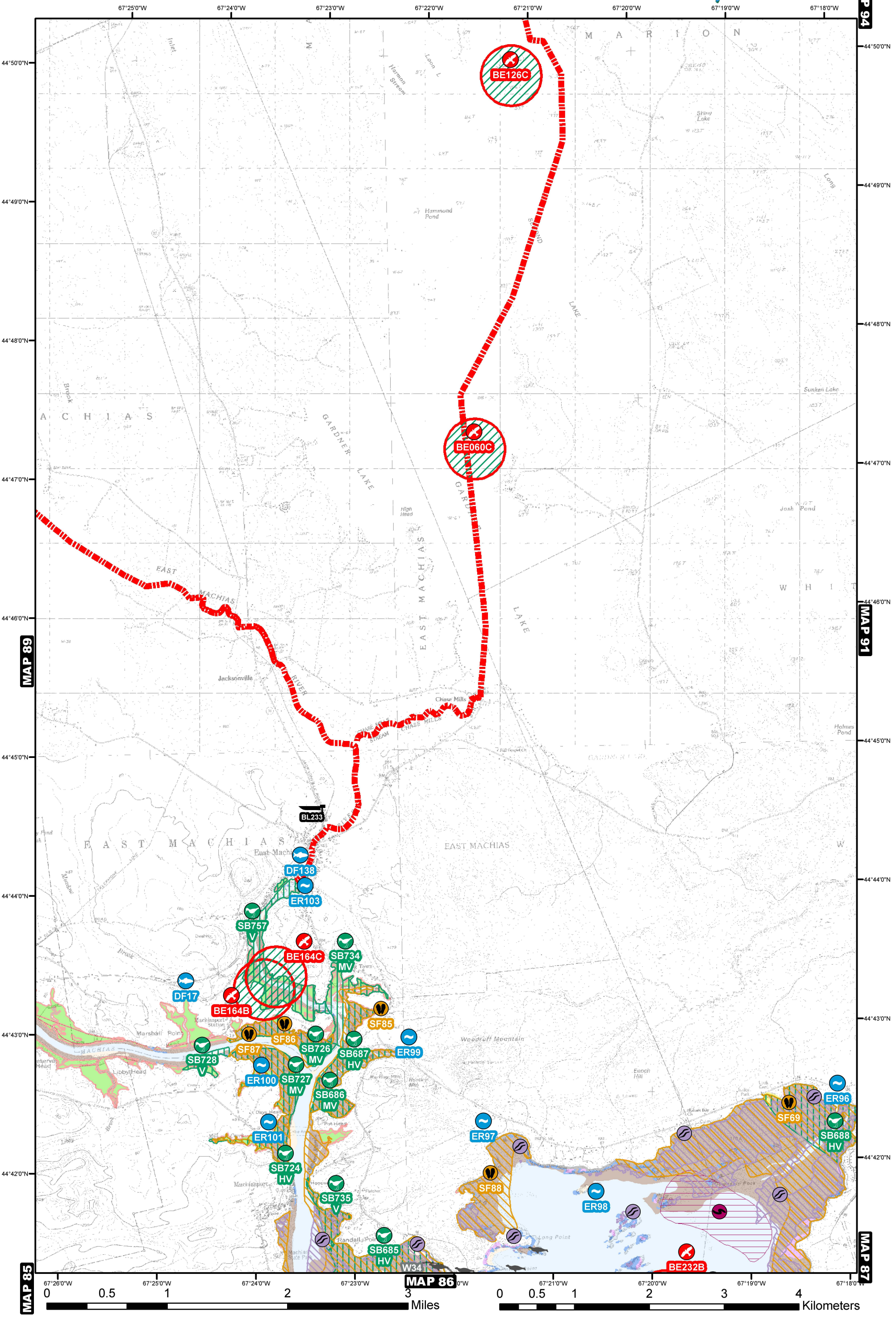
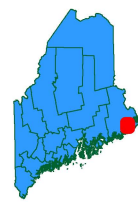
# MAP 90

## MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

These maps are intended to provide information solely for marine oil spill contingency planning. Not all resources in any specific area will be shown. Contact agencies directly for more information.

1:45,000



MAP 89

MAP 94

MAP 91

MAP 85

MAP 86

MAP 87

Miles

Kilometers









# ENVIRONMENTAL SENSITIVITY MAP - 90

GEOGRAPHIC RESPONSE D-21-1  
 PLANS (BOOMING STRATEGIES) FOR  
 THIS MAP AREA:

**BOAT LAUNCHES (BL)**  (state sponsored or assisted)

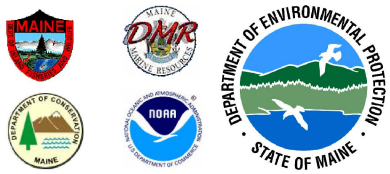
EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL233	DOC	TR		N	FRESH WATER	Y

**MARINE GEOLOGY LAYERS**

Ranked most to least vulnerable

-  Marshes (1)
-  Coarse Flats & Bars, Exposed (3)
-  Mixed & Low Energy Beaches (5)
-  Rocky Shores (7)
-  Mud Flats, Sheltered (2)
-  Coarse Beaches & Riprap (4)
-  Sand Beaches (6)
-  Sand Dunes (8)
-  Coastal Barrier Resources System Area

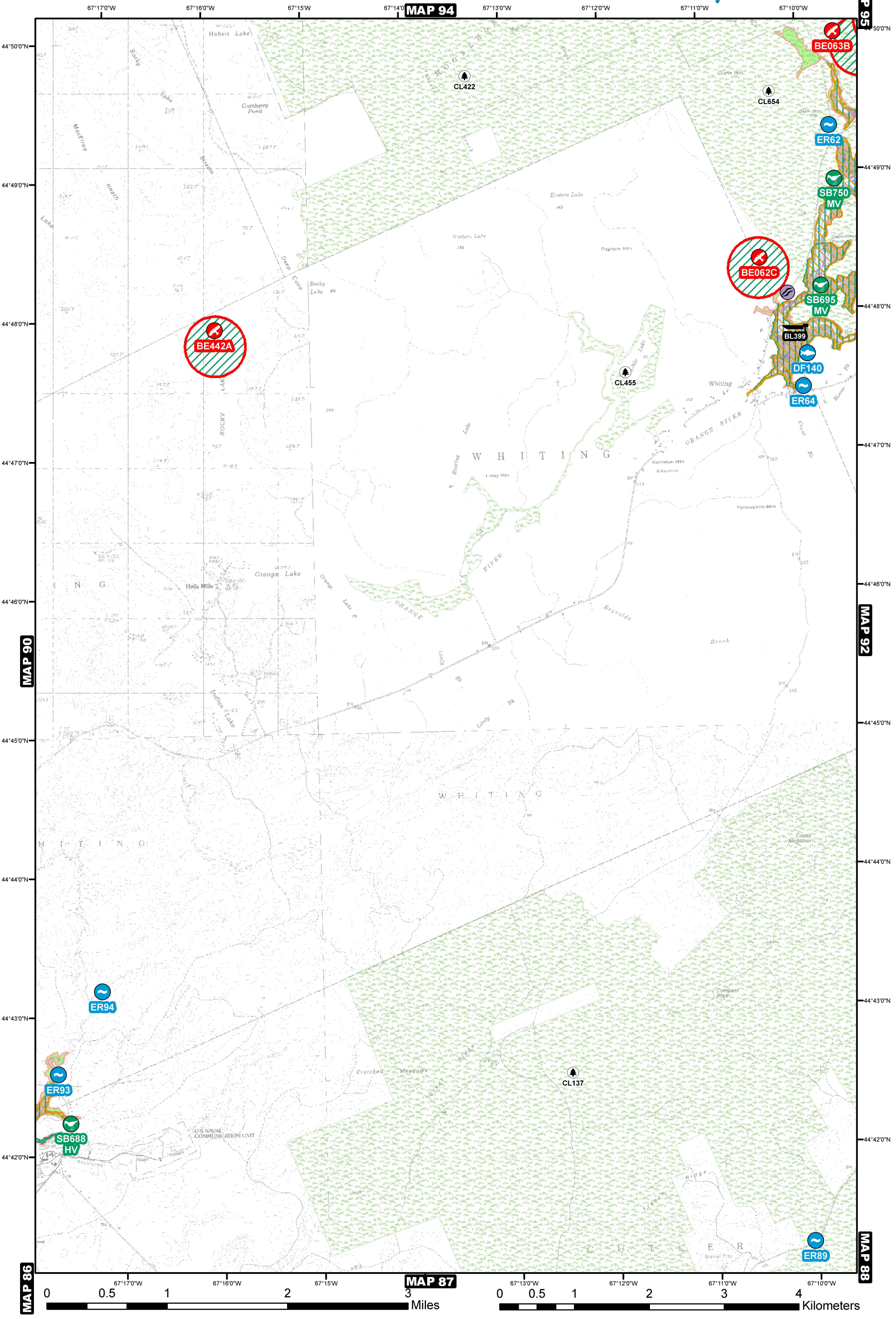
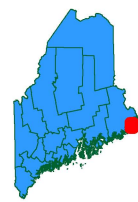




# MAP 91 MAINE ENVIRONMENTAL VULNERABILITY INDEX

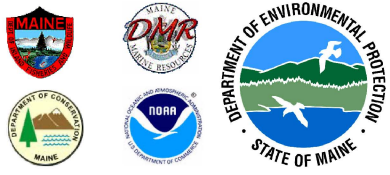
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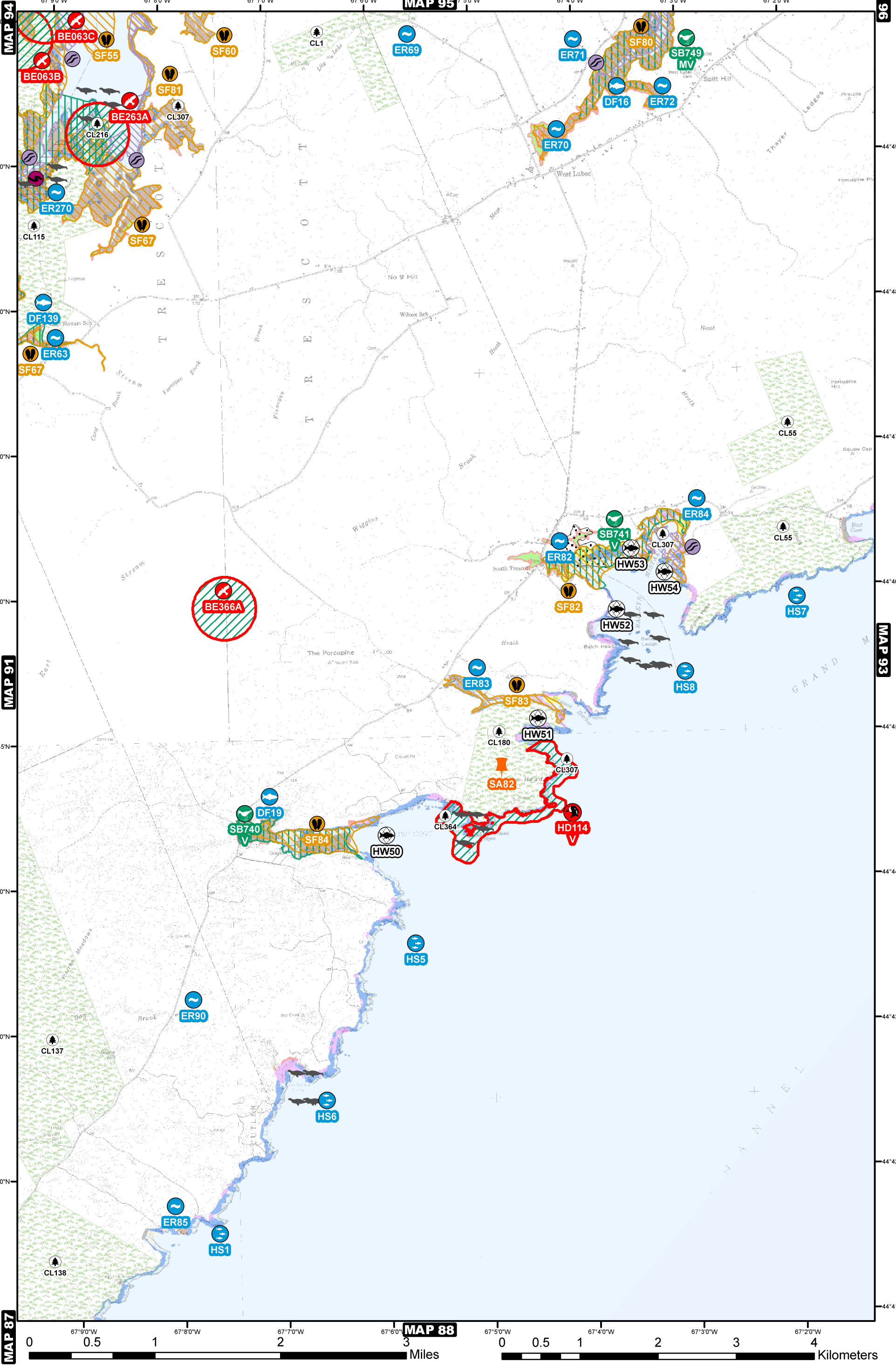
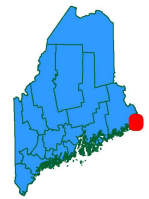




# MAP 92 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

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1:45,000



MAP 94

MAP 91

MAP 87

MAP 95

MAP 88

MAP 96

MAP 93

MAP 89











# ENVIRONMENTAL SENSITIVITY MAP - 92

GEOGRAPHIC RESPONSE D-33-1  
 PLANS (BOOMING STRATEGIES) FOR  
 THIS MAP AREA:

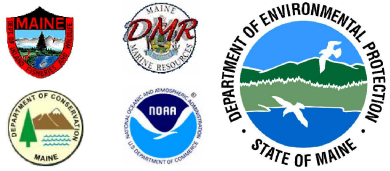
## CONSERVATION LANDS (CL)

EVI NO	NAME
CL1	UNIDENTIFIED
CL110	COBSCOOK BAY WMA, CARRYING PLACE COVE
CL115	COMMISSARY POINT WMA
CL137	CUTLER (THE CONSERVATION FUND)
CL138	CUTLER COAST
CL180	EASTERN HEAD
CL216	FREDS ISLANDS
CL307	ISLAND
CL364	LITTLE MOOSE ISLAND
CL424	MORONG POINT WMA
CL55	BOOT HEAD
CL654	TIDE MILL FARM

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

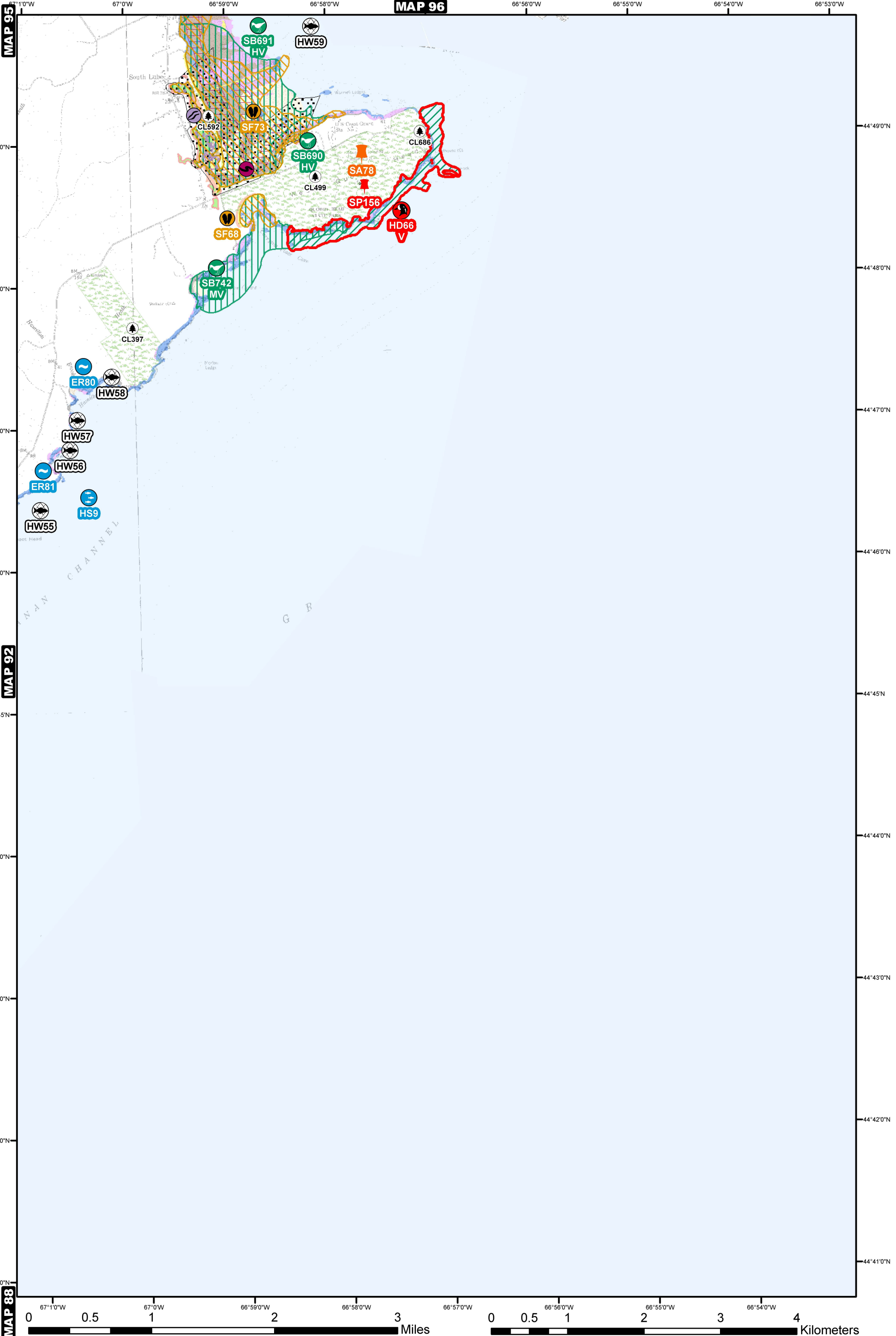
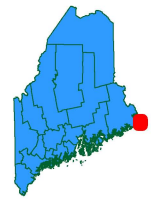
-  Marshes (1)
-  Mud Flats, Sheltered (2)
-  Coarse Flats & Bars, Exposed (3)
-  Coarse Beaches & Riprap (4)
-  Mixed & Low Energy Beaches (5)
-  Sand Beaches (6)
-  Rocky Shores (7)
-  Sand Dunes (8)
-  Coastal Barrier Resources System Area



# MAP 93 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

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# ENVIRONMENTAL SENSITIVITY MAP - 93

GEOGRAPHIC RESPONSE D-33-1  
PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA:

## THREATENED AND ENDANGERED SPECIES / SPECIES OF SPECIAL CONCERN

**BALD EAGLE** **ESSENTIAL HABITAT (BE)**

**HARLEQUIN DUCK** **WINTERING HABITAT (HD)**

**PIPING PLOVER / LEAST TERN** **ESSENTIAL HABITAT (PPLT)**

**ROSEATE TERN** **ESSENTIAL HABITAT (RT)**

**Other T or E Species**  
SA: Sensitive Animal  
SP: Sensitive Plant

**Other SSC**  
SA = Sensitive Animal  
SP = Sensitive Plant

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING		
					C= COMMON U=UNCOMMON																		
					J	F	M	A	M	J	J	A	S	O	N	D							
HD66	Harlequin Duck	<i>Histrionicus histrionicus</i>	T	FSC	C	C	C	C	U										Mar.- May		Oct.- Dec.	Nov.- Mar.	

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED
SA78	Crowberry Blue	<i>Lycaeides idas</i>	SC	
SP156	Alpine Blueberry	<i>Vaccinium boreale</i>	T	

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	EGGS	PUPAE	JUVENILES	ADULT / FLIGHT
					C= COMMON U=UNCOMMON																
					J	F	M	A	M	J	J	A	S	O	N	D					
SA78	Crowberry Blue	<i>Lycaeides idas</i>	SC		U	U	U	U	U	U	U	U	U	U	U		Jul.- Apr.	May - Jun.		Jun. - Jul.	

## SHOREBIRDS (SB) SHOREBIRD SITES ON THIS MAP INCLUDE ONE OR MORE OBSERVATIONS OF THE FOLLOWING SPECIES

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING
				C= COMMON U=UNCOMMON																
				J	F	M	A	M	J	J	A	S	O	N	D					
Red Knot	<i>Calidris canutus</i>									U	U	U	U				Jul.- Oct.			
Baird's Sandpiper	<i>Calidris bairdii</i>									U	U			Mar.- May			Aug.- Sep.			
Black-bellied Plover	<i>Pluvialis squatarola</i>						C	C	U	C	C	U		May - Jun.			Jul.- Nov.			
Buff-breasted Sandpiper	<i>Tryngites subruficollis</i>									U	U	U					Aug.- Oct.			
Dunlin	<i>Calidris alpina</i>						U	U		U	C	C	C	May - Jun.			Aug.- Nov.			
Greater Yellowlegs	<i>Tringa melanoleuca</i>						C	C	U	U	C	C	C	Apr.- Jun.			Jul.- Nov.			
Hudsonian Godwit	<i>Limosa haemastica</i>									U	U	U	U				Jul.- Oct.			
Killdeer	<i>Charadrius vociferus</i>						U	C	C	C	C	C	C	Mar.- Apr.	Apr.- Aug.		Sep.- Nov.			
Least Sandpiper	<i>Calidris minutilla</i>							C	U	C	C	C	U	May - Jun.			Jul.- Oct.			
Lesser Yellowlegs	<i>Tringa flavipes</i>							U	C	C	C	U		May			Jul.- Oct.			
Unidentified Sandpiper	<i>Calidris spp.</i>							U	C	C	C	C	U	May - Jun.			Jul.- Oct.			
American Golden Plover	<i>Pluvialis dominica</i>									U	U	U					Aug.- Oct.			
Purple Sandpiper	<i>Calidris maritima</i>						C	C	C	C	U		U	Apr.- May			Oct.- Nov.	Nov.- Apr.		
Unidentified Yellowlegs	<i>Tringa spp.</i>							C	C	U	U	C	C	Apr.- Jun.			Jul.- Nov.			
Ruddy Turnstone	<i>Arenaria interpres</i>							U	C	C	C	C	U	Apr.- Jun.			Jul.- Nov.			
Sanderling	<i>Calidris alba</i>							U	U	C	C	C	C	May - Jun.			Jul.- Nov.			
Short-billed Dowitcher	<i>Limnodromus griseus</i>							C	U	C	C	C	U	May - Jun.			Jul.- Oct.			
Semipalmated Plover	<i>Charadrius semipalmatus</i>							C	C	C	C	C	U	May - Jun.			Jul.- Oct.			
Semipalmated Sandpiper	<i>Calidris pusilla</i>							C	C	C	C	C	U	May - Jun.			Jul.- Oct.			
Spotted Sandpiper	<i>Actitis macularia</i>							U	C	C	C	C	U				Jul.- Oct.			
Western Sandpiper	<i>Calidris mauri</i>									U	U	U	U				Jul.- Oct.			
Whimbrel	<i>Numenius phaeopus</i>	SSC								U	U	U					Jul.- Sep.			
Willet	<i>Catoptrophorus semipalmatus</i>							U	C	C	C	C		Apr.- May	May - Aug.		Aug.- Sep.			
White-rumped Sandpiper	<i>Calidris fuscicollis</i>									U	U	U	U				Jul.- Oct.			
Pectoral Sandpiper	<i>Calidris melanotos</i>							U	U	U	C	U	U	Apr.- May			Jul.- Nov.			

## FISH: DIADROMOUS FISH (DF) ELVER RUNS (ER) HERRING SPAWNING AREAS (HS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					C= COMMON U=UNCOMMON															
					J	F	M	A	M	J	J	A	S	O	N	D				
ER80	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
ER81	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
HS9	herring atlantic	<i>Clupea harengus</i>			x	x	x	x	x	x	x	x	x	x	x	Aug.-Nov.	Sep.-May	Jan-Dec	Jan.-Dec.	

## SHELLFISH SHELLFISH BEDS (SF) MUSSEL SEED CONSERVATION AREAS (MS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					C= COMMON U=UNCOMMON															
					J	F	M	A	M	J	J	A	S	O	N	D				
SF68	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	
SF73	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.	

## HABITATS: SEAL HAUL-OUTS EELGRASS BEDS MARINE WORM HABITAT

COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING
				C= COMMON U=UNCOMMON													
				J	F	M	A	M	J	J	A	S	O	N	D		
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr.- Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Jan.- Feb.

## LOBSTER POUNDS (LP) LOBSTER DEALERS (LD) HERRING WEIR SITES (HW)

EVI NO	NAME	CONTACT / ADDRESS	PHONE	SIZE
HW55	David Pressley	7 High St, East Millinock, ME	746-5578	
HW56	Charles Lookabaugh	RD 2, Box 950, Lubec, ME 04652		
HW57	Charles Lookabaugh	RD 2, Box 950, Lubec, ME 04652		
HW58	Robert Peacock	P.O. Box 10, Lubec, ME		
HW59	William Ashby	Lubec, ME 04652		

## CONSERVATION LANDS (CL)

EVI NO	NAME
CL397	MARTIN PRESERVE
CL499	QUODDY HEAD STATE PARK
CL592	SOUTH LUBEC SAND BAR
CL686	WEST QUODDY HEAD LIGHT

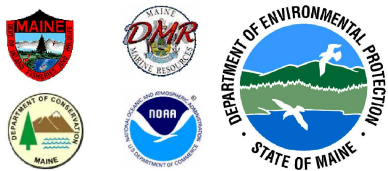
## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

- Marshes (1)
- Coarse Flats & Bars, Exposed (3)
- Mixed & Low Energy Beaches (5)
- Rocky Shores (7)
- Mud Flats, Sheltered (2)
- Coarse Beaches & Riprap (4)
- Sand Beaches (6)
- Sand Dunes (8)



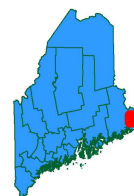




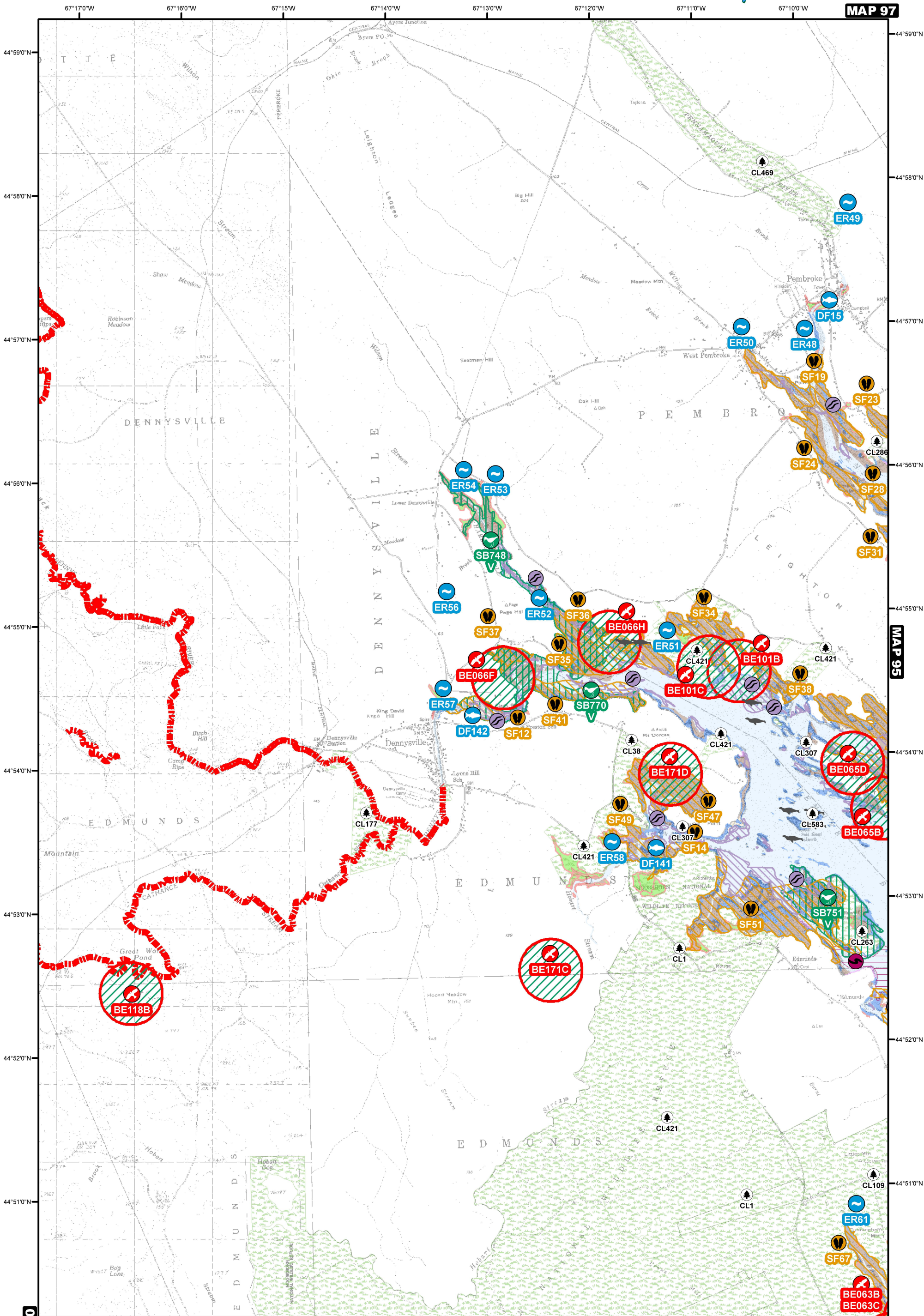
# MAP 94 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

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Not all resources in any specific area will be shown. Contact agencies directly for more information.  
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MAP 97



MAP 90

MAP 91

MAP 92











# ENVIRONMENTAL SENSITIVITY MAP - 94

GEOGRAPHIC RESPONSE D-24-2 D-24-3 D-25-1  
 PLANS (BOOMING STRATEGIES) FOR  
 THIS MAP AREA:

## CONSERVATION LANDS (CL)



EVI NO	NAME
CL1	UNIDENTIFIED
CL109	COBSCOOK BAY STATE PARK
CL177	EAST RIDGE
CL263	HALLOWELL ISLAND
CL286	HERSEY POINT
CL307	ISLAND
CL38	BELLIER COVE
CL421	MOOSEHORN NWR, EDMUNDS UNIT
CL422	MOOSEHORN NWR, EDMUNDS UNIT (WILDERNESS)
CL469	PENNAMAQUAN WMA
CL583	SOL SEAL ISLAND
CL654	TIDE MILL FARM
CL706	WILBUR NECK

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

- Marshes (1)
- Mud Flats, Sheltered (2)
- Coarse Flats & Bars, Exposed (3)
- Coarse Beaches & Riprap (4)
- Mixed & Low Energy Beaches (5)
- Sand Beaches (6)
- Rocky Shores (7)
- Sand Dunes (8)



Coastal Barrier Resources System Area











# ENVIRONMENTAL SENSITIVITY MAP - 95

GEOGRAPHIC RESPONSE D-24-1 D-24-2 D-25-1 D-26-1 D-27-1 D-28-1 D-29-1 D-29-2 D-30-1 D-30-2  
 PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA: D-31-1 D-32-1 D-33-1 D-34-1

**FISH:** DIADROMOUS FISH (DF) ELVER RUNS (ER) HERRING SPAWNING AREAS (HS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					J	F	M	A	M	J	J	A	S	O	N	D				
ER66	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
ER67	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
ER68	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
ER73	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
ER74	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
ER75	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
ER76	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
ER77	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
ER78	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	

**SHELLFISH** SHELLFISH BEDS (SF) MUSSEL SEED CONSERVATION AREAS (MS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					J	F	M	A	M	J	J	A	S	O	N	D				
SF10	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.		
SF11	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF13	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF15	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF17	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF18	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF20	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF21	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF22	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF23	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF25	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF26	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF27	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF28	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF29	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.			
SF30	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF31	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF39	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.			
SF40	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF42	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF43	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF44	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF45	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF46	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF48	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF50	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF53	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF54	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF55	scallop sea	<i>Placopecten magellanicus</i>			x	x	x	x	x	x	x	x	x	Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.			
SF56	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF57	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF58	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF59	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF60	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF61	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF62	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF63	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF65	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF66	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF67	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF7	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF72	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF75	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF76	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF77	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF78	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF79	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF8	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF80	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			
SF9	clam soft	<i>Mya arenaria</i>			x	x	x	x	x	x	x	x	x	May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.			

**HABITATS:** SEAL HAUL-OUTS EELGRASS BEDS MARINE WORM HABITAT

COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING
				C= COMMON U=UNCOMMON													
				J	F	M	A	M	J	J	A	S	O	N	D		
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr. - Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Jan. - Feb.

**LOBSTER POUNDS (LP)** **LOBSTER DEALERS (LD)** **HERRING WEIR SITES (HW)**

EVI NO	NAME	CONTACT / ADDRESS	PHONE	SIZE
HW62	Stephan Lyons	Box 137-A, Lubec, ME 04652		
HW63	Joe McPhail	Gin Cove Rd, Perry, ME 04667		
HW67	David Turner	5 Key St, Eastport, ME	853-2543	
HW68	David Turner	5 Key St, Eastport, ME 04631	853-2543	
HW69	None			
HW70	Donnell Dana, Sr.	P.O. Box 325, Eastport, ME 046	853-4756	
HW71	William Attwater	Perry, ME 04667		
HW72	None			
HW73	George Harris	Harris Pt Rd, Eastport, ME 046		
HW74	Maynard Morrison	Shore Rd, Perry, ME 04667	853-6666	
HW75	Maynard Morrison	Shore Rd, Perry 04667	853-6666	
HW76	Rita Morrison	Perry, ME 04667		
LD105	Cobscook Bay Seafood	Joyce Pottle	853-2890	

**AQUACULTURE SITES (AQ)**

EVI NO	PRIMARY SPECIES	CONTACT / ADDRESS	PHONE	SIZE
AQ11	scallops	Thomas Pottle	207-853-4419	4.9AC
AQ3	urchins	Hank Stence	207-733-4489 or 207-733-5	14.9AC
AQ4	urchins	Hank Stence	207-733-4489 or 207-733-5	14.9AC
AQ5	urchins	Hank Stence	207-733-4489 or 207-733-5	14.9AC
AQ65	atlantic salmon	David Miller or Bob Sweeney	207-255-6714	15AC
AQ66	atlantic salmon	David Miller or Bob Sweeney	207-255-6714	15AC
AQ68	atlantic salmon	Austin Dinsmore	207-853-6088	9.95AC
AQ69	atlantic salmon	Frank Ayres	207-853-2501	8.2AC
AQ70	atlantic salmon	David Morang	207-853-6081	25AC
AQ71	atlantic salmon	Bill Groom	506-466-4757	24.8AC





# ENVIRONMENTAL SENSITIVITY MAP - 95

GEOGRAPHIC RESPONSE D-24-1 D-24-2 D-25-1 D-26-1 D-27-1 D-28-1 D-29-1 D-29-2 D-30-1 D-30-2  
 PLANS (BOOMING STRATEGIES) FOR D-31-1 D-32-1 D-33-1 D-34-1  
 THIS MAP AREA:

## AQUACULTURE SITES (AQ)

EVI NO	PRIMARY SPECIES	CONTACT / ADDRESS	PHONE	SIZE
AQ72	atlantic salmon	Lee Harris and George Harris Jr.	207-853-2979	30AC
AQ73	atlantic salmon	Bill Groom	506-466-4757	24.65AC
AQ75	atlantic salmon	Austin Dinsmore	207-853-6088	29.4AC
AQ80	atlantic salmon	David Morang	207-853-6081	31.5AC
AQ81	atlantic salmon	David Morang	207-853-6081	33AC

## CONSERVATION LANDS (CL)

EVI NO	NAME
CL1	UNIDENTIFIED
CL109	COBSCOOK BAY STATE PARK
CL110	COBSCOOK BAY WMA, CARRYING PLACE COVE
CL111	COBSCOOK BAY WMA, TALBOT COVE
CL112	COGGINS HEAD, COBSCOOK BAY
CL146	DENBO POINT
CL151	DOG ISLAND
CL187	FALLS ISLAND
CL189	FEDERAL ISLAND
CL222	FROST ISLAND
CL226	GLEASON POINT
CL234	GOOSEBERRY ISLAND
CL25	BAR ISLAND
CL286	HERSEY POINT
CL292	HOG ISLAND
CL295	HORAN HEAD WMA
CL304	INNER TALBOT ISLAND
CL307	ISLAND
CL351	LITTLE DRAM ISLAND
CL375	LONG ISLAND
CL423	Morang Cove
CL424	MORONG POINT WMA
CL44	BIRCH ISLAND
CL460	OUTER TALBOT ISLAND
CL477	PIKE LANDS
CL502	RACE POINT
CL519	RED ISLAND
CL560	SHACKFORD HEAD STATE PARK
CL622	SUMAC ISLAND
CL654	TIDE MILL FARM
CL657	TOWN LINE COVE
CL662	TRIO ISLANDS
CL706	WILBUR NECK
CL93	CARLOW ISLAND & MOOSE ISLAND SCENIC AREA
CL97	CAT ISLAND

## BOAT LAUNCHES (BL) (state sponsored or assisted)

EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL11	DOC	TR	22	N	ALL	N
BL153	WASHINGTON COUNTY	TR	6	N	ALL	Y
BL435	PEMBROKE	TR	30	Y	ALL	N

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

 Marshes (1)	 Coarse Flats & Bars, Exposed (3)	 Mixed & Low Energy Beaches (5)	 Rocky Shores (7)
 Mud Flats, Sheltered (2)	 Coarse Beaches & Riprap (4)	 Sand Beaches (6)	 Sand Dunes (8)











# ENVIRONMENTAL SENSITIVITY MAP - 96

GEOGRAPHIC RESPONSE D-30-1 D-30-2 D-31-1 D-32-1 D-33-1 D-33-2  
PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA:

## THREATENED AND ENDANGERED SPECIES / SPECIES OF SPECIAL CONCERN

**BALD EAGLE** **ESSENTIAL HABITAT (BE)**

**HARLEQUIN DUCK** **WINTERING HABITAT (HD)**

**PIPING PLOVER / LEAST TERN** **ESSENTIAL HABITAT (PPLT)**

**ROSEATE TERN** **ESSENTIAL HABITAT (RT)**

**Other T or E Species**  
SA: Sensitive Animal  
SP: Sensitive Plant

**Other SSC**  
SA = Sensitive Animal  
SP = Sensitive Plant

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING						
					C= COMMON U=UNCOMMON																						
					J	F	M	A	M	J	J	A	S	O	N	D											
BE165C	Bald Eagle	<i>Haliaeetus leucocephalus</i>	T	T	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		Feb.- Sep.		Oct.- Jan.	
BE194B	Bald Eagle	<i>Haliaeetus leucocephalus</i>	T	T	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		Feb.- Sep.		Oct.- Jan.	
BE413A	Bald Eagle	<i>Haliaeetus leucocephalus</i>	T	T	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		Feb.- Sep.		Oct.- Jan.	
HD93	Harlequin Duck	<i>Histrionicus histrionicus</i>	T	FSC	C	C	C	C	U														Mar.- May		Oct.- Dec.	Nov.- Mar.	

## SEABIRD NESTING ISLANDS (00-000)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING						
					C= COMMON U=UNCOMMON																						
					J	F	M	A	M	J	J	A	S	O	N	D											
79-118	Common Eider	<i>Somateria mollissima</i>			C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	Mar.- Apr.	Apr.- Jul.	Sep.- Oct.	Nov.- Mar.	Jul.- Sep.
	Herring Gull	<i>Larus argentatus</i>			C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		Apr.- Aug.		Sep.- Mar.	

## SHOREBIRDS (SB) SHOREBIRD SITES ON THIS MAP INCLUDE ONE OR MORE OBSERVATIONS OF THE FOLLOWING SPECIES

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING							
				C= COMMON U=UNCOMMON																							
				J	F	M	A	M	J	J	A	S	O	N	D												
Red Knot	<i>Calidris canutus</i>														U	U	U	U								Jul.- Oct.	
Baird's Sandpiper	<i>Calidris bairdii</i>														U	U							Mar.- May			Aug.- Sep.	
Black-bellied Plover	<i>Pluvialis squatarola</i>								C	C	U	C	C	C	U								May - Jun.			Jul.- Nov.	
Dunlin	<i>Calidris alpina</i>								U	U	U	C	C	C									May - Jun.			Aug.- Nov.	
Greater Yellowlegs	<i>Tringa melanoleuca</i>								C	C	U	U	C	C	C	U							Apr.- Jun.			Jul.- Nov.	
Hudsonian Godwit	<i>Limosa haemastica</i>														U	U	U	U								Jul.- Oct.	
Killdeer	<i>Charadrius vociferus</i>								U	C	C	C	C	C	C	U							Mar.- Apr.	Apr.- Aug.		Sep.- Nov.	
Least Sandpiper	<i>Calidris minutilla</i>									C	U	C	C	C	U								May - Jun.			Jul.- Oct.	
Lesser Yellowlegs	<i>Tringa flavipes</i>									U		C	C	C	U								May			Jul.- Oct.	
American Golden Plover	<i>Pluvialis dominica</i>														U	U	U									Aug.- Oct.	
Pectoral Sandpiper	<i>Calidris melanotos</i>									U	U	U	C	C	U	U							Apr.- May			Jul.- Nov.	
Unidentified Yellowlegs	<i>Tringa spp.</i>								C	C	U	U	C	C	C	U							Apr.- Jun.			Jul.- Nov.	
Ruddy Turnstone	<i>Arenaria interpres</i>								U	C	C	C	C	C	U	U							Apr.- Jun.			Jul.- Nov.	
Sanderling	<i>Calidris alba</i>									U	U	C	C	C	C	U							May - Jun.			Jul.- Nov.	
Short-billed Dowitcher	<i>Limnodromus griseus</i>									C	U	C	C	C	U								May - Jun.			Jul.- Oct.	
Semipalmated Plover	<i>Charadrius semipalmatus</i>									C	C	C	C	C	U								May - Jun.			Jul.- Oct.	
Semipalmated Sandpiper	<i>Calidris pusilla</i>									C	C	C	C	C	U								May - Jun.			Jul.- Oct.	
Spotted Sandpiper	<i>Actitis macularia</i>									U	C	C	C	C	U											Jul.- Oct.	
Western Sandpiper	<i>Calidris mauri</i>														U	U	U	U								Jul.- Oct.	
Whimbrel	<i>Numenius phaeopus</i>														U	U	U									Jul.- Sep.	
White-rumped Sandpiper	<i>Calidris fuscicollis</i>														U	U	U	U								Jul.- Oct.	
Unidentified Sandpiper	<i>Calidris spp.</i>									U	C	C	C	C	C	U	U						May - Jun.			Jul.- Oct.	

## FISH: DIADROMOUS FISH (DF) ELVER RUNS (ER) HERRING SPAWNING AREAS (HS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT						
					C= COMMON U=UNCOMMON																					
					J	F	M	A	M	J	J	A	S	O	N	D										
ER79	eel american	<i>Anguilla rostrata</i>																					N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.

## SHELLFISH SHELLFISH BEDS (SF) MUSSEL SEED CONSERVATION AREAS (MS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT						
					C= COMMON U=UNCOMMON																					
					J	F	M	A	M	J	J	A	S	O	N	D										
SF16	clam soft	<i>Mya arenaria</i>																					May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF30	clam soft	<i>Mya arenaria</i>																					May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF32	clam soft	<i>Mya arenaria</i>																					May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF33	clam soft	<i>Mya arenaria</i>																					May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF40	clam soft	<i>Mya arenaria</i>																					May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF52	scallop sea	<i>Placopecten magellanicus</i>																					Jul.-Oct.	Jul.-Nov.	Jan-Dec	Jan.-Dec.
SF64	clam soft	<i>Mya arenaria</i>																					May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF72	clam soft	<i>Mya arenaria</i>																					May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF73	clam soft	<i>Mya arenaria</i>																					May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.
SF74	clam soft	<i>Mya arenaria</i>																					May-Sep.	May-Oct.	Jan.-Dec.	Jan.-Dec.

## HABITATS: SEAL HAUL-OUTS EELGRASS BEDS MARINE WORM HABITAT

COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING							
				C= COMMON U=UNCOMMON																				
				J	F	M	A	M	J	J	A	S	O	N	D									
Harbor Seal	<i>Phoca vitulina</i>																							Apr.- Jun.
Gray Seal	<i>Halichoerus grypus</i>																						Aug.	Jan.- Feb.

## LOBSTER POUNDS (LP) LOBSTER DEALERS (LD) HERRING WEIR SITES (HW)

EVI NO	NAME	CONTACT / ADDRESS	PHONE	SIZE
HW60	Wallace Tucker	Main St, Box 21, Lubec, ME		
HW61	Merrill Tucker	274-A County Rd, Eastport, ME		
HW64	Austin Humpries	Eastport, ME 04631		
HW65	Burton Blanch	Route 90, Eastport, ME 04631		
HW66	Scott Emery	Kendall's Head, Eastport, ME 0		
LD132	Eastport Lobster & Fish		327-8767	
LD146	North Atlantic Fish			
LP16	George Harris	inactive?		0SF

## AQUACULTURE SITES (AQ)

EVI NO	PRIMARY SPECIES	CONTACT / ADDRESS	PHONE	SIZE
AQ64	atlantic salmon	David Morang	207-853-6081	15AC
AQ67	atlantic salmon	Austin Dinsmore	207-853-6088	26.5AC
AQ74	atlantic salmon	Austin Dinsmore	207-853-6088	22AC
AQ76	atlantic salmon	Austin Dinsmore	207-853-6088	10.34AC
AQ77	atlantic salmon	Austin Dinsmore	207-853-6088	32.14AC





# ENVIRONMENTAL SENSITIVITY MAP - 96

GEOGRAPHIC RESPONSE D-30-1 D-30-2 D-31-1 D-32-1 D-33-1 D-33-2  
 PLANS (BOOMING STRATEGIES) FOR THIS MAP AREA:

## AQUACULTURE SITES (AQ)

EVI NO	PRIMARY SPECIES	CONTACT / ADDRESS	PHONE	SIZE
AQ78	atlantic salmon	Austin Dinsmore	207-853-6088	32.14AC
AQ79	atlantic salmon	Austin Dinsmore	207-853-6088	10AC

## CONSERVATION LANDS (CL)

EVI NO	NAME
CL307	ISLAND
CL382	LUBEC CHANNEL LIGHT
CL428	MOWRY BEACH
CL486	POPE'S FOLLY
CL560	SHACKFORD HEAD STATE PARK
CL74	BURIAL ISLANDS

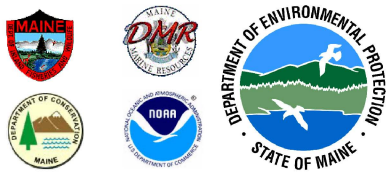
## BOAT LAUNCHES (BL) (state sponsored or assisted)

EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL409	DOC	TR	28	Y	ALL	N

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

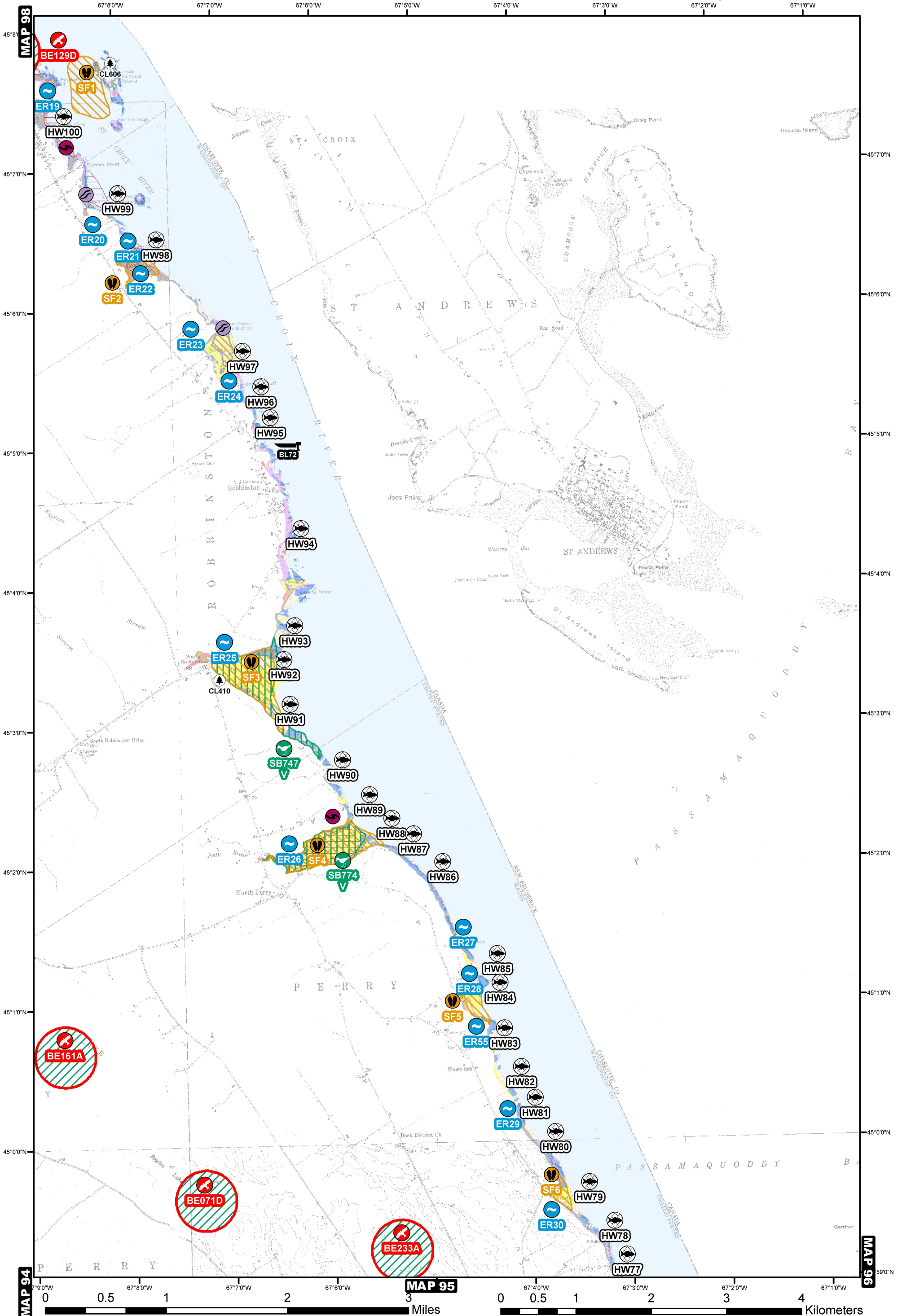
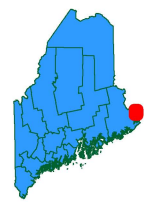
-  Marshes (1)
-  Coarse Flats & Bars, Exposed (3)
-  Mixed & Low Energy Beaches (5)
-  Rocky Shores (7)
-  Mud Flats, Sheltered (2)
-  Coarse Beaches & Riprap (4)
-  Sand Beaches (6)
-  Sand Dunes (8)
-  Coastal Barrier Resources System Area



# MAP 97 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

These maps are intended to provide information solely for marine oil spill contingency planning.  
Not all resources in any specific area will be shown. Contact agencies directly for more information.  
1:45,000











# ENVIRONMENTAL SENSITIVITY MAP - 97

GEOGRAPHIC RESPONSE D-35-1 D-35-2 D-36-1  
 PLANS (BOOMING STRATEGIES) FOR  
 THIS MAP AREA:

## CONSERVATION LANDS (CL)



EVI NO	NAME
CL410	MILL COVE SCENIC AREA
CL606	ST. CROIX (DOCHET) ISLAND
CL607	ST. CROIX (DOCHET) ISLAND, PARKING LOTS

## BOAT LAUNCHES (BL)



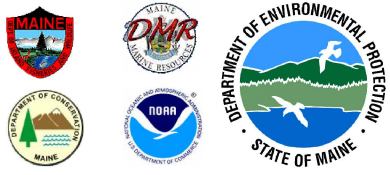
(state sponsored or assisted)

EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL72	DOC	TR	9	Y	ALL	Y

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

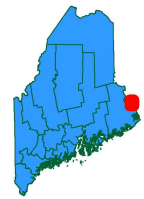
- Marshes (1)
- Coarse Flats & Bars, Exposed (3)
- Mixed & Low Energy Beaches (5)
- Rocky Shores (7)
- Coastal Barrier Resources System Area
- Mud Flats, Sheltered (2)
- Coarse Beaches & Riprap (4)
- Sand Beaches (6)
- Sand Dunes (8)



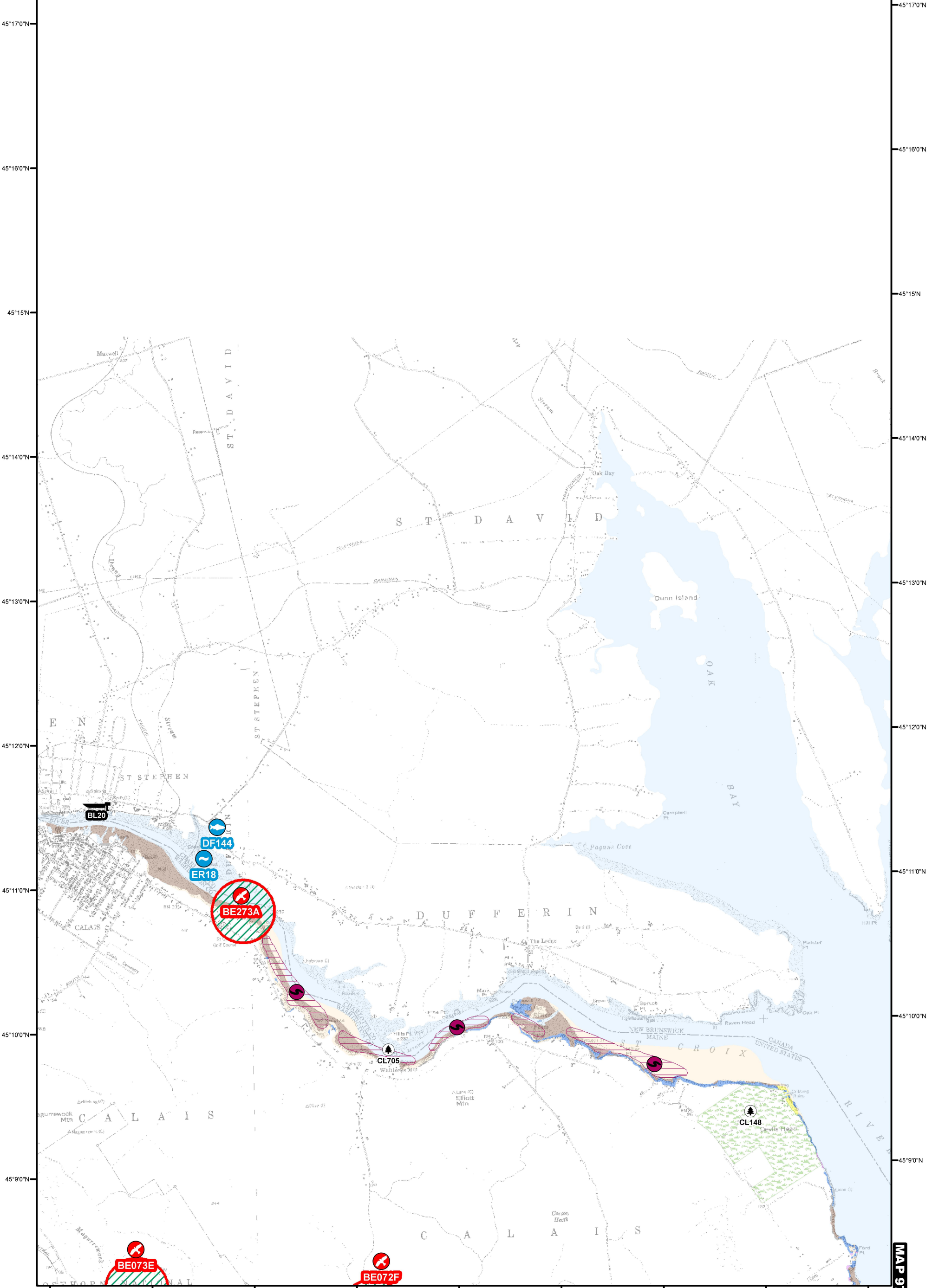
# MAP 98 MAINE ENVIRONMENTAL VULNERABILITY INDEX

Version 2

These maps are intended to provide information solely for marine oil spill contingency planning.  
Not all resources in any specific area will be shown. Contact agencies directly for more information.  
1:45,000



67°16'0"W    67°15'    67°14'0"W    67°13'0"W    67°12'0"W    67°11'0"W    67°10'0"W    67°9'0"W



45°17'0"N  
45°16'0"N  
45°15'0"N  
45°14'0"N  
45°13'0"N  
45°12'0"N  
45°11'0"N  
45°10'0"N  
45°9'0"N

45°17'0"N  
45°16'0"N  
45°15'0"N  
45°14'0"N  
45°13'0"N  
45°12'0"N  
45°11'0"N  
45°10'0"N  
45°9'0"N

0    0.5    1    2    3    4 Miles    0    0.5    1    2    3    4 Kilometers

MAP 97





# ENVIRONMENTAL SENSITIVITY MAP - 98

GEOGRAPHIC RESPONSE  
PLANS (BOOMING  
STRATEGIES) FOR  
THIS MAP AREA:

## THREATENED AND ENDANGERED SPECIES / SPECIES OF SPECIAL CONCERN

**BALD EAGLE** **ESSENTIAL HABITAT (BE)**    
 **HARLEQUIN DUCK** **WINTERING HABITAT (HD)**    
 **PIPING PLOVER / LEAST TERN** **ESSENTIAL HABITAT (PPLT)**    
 **ROSEATE TERN** **ESSENTIAL HABITAT (RT)**    
 Other T or E Species: SA: Sensitive Animal SP: Sensitive Plant    
 Other SSC: SA = Sensitive Animal SP = Sensitive Plant

**BIRDS**

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPRING MIGRATION	NESTING	FALL MIGRATION	WINTERING	MOLTING
					C= COMMON U=UNCOMMON																
					J	F	M	A	M	J	J	A	S	O	N	D					
BE072F	Bald Eagle	<i>Haliaeetus leucocephalus</i>	T	T	C	C	C	C	C	C	C	C	C	C	C	C		Feb.- Sep.		Oct.- Jan.	
BE073E	Bald Eagle	<i>Haliaeetus leucocephalus</i>	T	T	C	C	C	C	C	C	C	C	C	C	C	C		Feb.- Sep.		Oct.- Jan.	
BE273A	Bald Eagle	<i>Haliaeetus leucocephalus</i>	T	T	C	C	C	C	C	C	C	C	C	C	C	C		Feb.- Sep.		Oct.- Jan.	

## FISH: DIADROMOUS FISH (DF) ELVER RUNS (ER) HERRING SPAWNING AREAS (HS)

EVI NO	COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												SPAWNING	LARVAE	JUVENILE	ADULT
					C= COMMON U=UNCOMMON															
					J	F	M	A	M	J	J	A	S	O	N	D				
DF144	salmon atlantic	<i>Salmo salar</i>						R	x	x	x	x	x	x	R	FW	FW	Apr-Jul	Apr.-Oct.	
	smelt rainbow	<i>Osmerus mordax</i>			x	x	x	x	x	x	x	x	x	x	x	Mar.-Jun.	May-Sept.	Jan-Dec	Jan.-Dec.	
	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	
	alewife	<i>Alosa pseudoharengus</i>			R	R	R	x	x	x	x	x	x	x	R	FW	FW	Jan-Dec	Apr.-Oct.	
	blueback herring	<i>Alosa aestivalis</i>						x	x	x	x	x	x	x	x	FW	FW	Apr-Nov	Apr.-Nov.	
	shad american	<i>Alosa sapidissima</i>					R	R	x	x	x	x	x	x	R	FW	FW	May-Oct	May-Sep.	
ER18	eel american	<i>Anguilla rostrata</i>			x	x	x	x	x	x	x	x	x	x	x	N/A	Apr.-Jun.	Jan-Dec	Aug.-Nov.	

## HABITATS: SEAL HAUL-OUTS EELGRASS BEDS MARINE WORM HABITAT

COUNTS COMBINE HARBOR AND GRAY SEAL

COMMON NAME	SCIENTIFIC NAME	ST	FED	MONTHS PRESENT												MOLTING	PUPPING
				C= COMMON U=UNCOMMON													
				J	F	M	A	M	J	J	A	S	O	N	D		
Harbor Seal	<i>Phoca vitulina</i>			C	C	C	C	C	C	C	C	C	C	C	C	Aug.	Apr.- Jun.
Gray Seal	<i>Halichoerus grypus</i>			C	C	C	C	C	C	C	C	C	C	C	C		Jan.- Feb.

## CONSERVATION LANDS (CL)

EVI NO	NAME
CL148	DEVILS HEAD
CL705	WHITLOCK'S MILL LIGHT

## BOAT LAUNCHES (BL) (state sponsored or assisted)

EVI NO	OWNER	TYPE	RIG PARKING	FLOATS	TIDE	TOILET
BL20	CALAIS	TR	5	N	PART	Y

## MARINE GEOLOGY LAYERS

Ranked most to least vulnerable

Marshes (1)    
 Coarse Flats & Bars, Exposed (3)    
 Mixed & Low Energy Beaches (5)    
 Rocky Shores (7)    
 Coastal Barrier Resources System Area

Mud Flats, Sheltered (2)    
 Coarse Beaches & Riprap (4)    
 Sand Beaches (6)    
 Sand Dunes (8)