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1875 Connecticut Ave., N.W.
Suite 1200
Washington, D.C. 20009-5728
(202) 986-8000
Facsimile: (202) 986-8102

E-MAIL ADDRESS: BRETT.SNYDER@LLGM.COM
WRITER'S DIRECT DIAL: (202) 986-8008

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May 31, 2007

BY ELECTRONIC FILING

Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

Re: *Broadwater Energy LLC*, Docket Nos. CP06-54-000;
Broadwater Pipeline LLC, Docket Nos. CP06-55-000 & CP06-56-000

Dear Ms. Bose:

Pursuant to the Environmental Information Requests issued on May 4, 2007 ("EIR No. 5"), enclosed for filing in the referenced proceedings is the response of Broadwater Energy LLC and Broadwater Pipeline LLC (collectively, "Broadwater") to EIR Nos. 5-1 and 5-2.

Broadwater anticipates providing its remaining responses to EIR Nos. 5-3 and 5-4 in the coming days.

Please do not hesitate to contact me with any questions regarding this submission.

Respectfully submitted,

/s/ Brett A. Snyder

Brett A. Snyder

Enclosures

FERC 5-1

Request:

The U.S. Coast Guard's report entitled *U.S. Coast Guard Captain of the Port of Long Island Sound Waterways Suitability Report for the Proposed Broadwater Liquefied Natural Gas Facility* (WSR) issued on September 21, 2006, includes detailed maps and information regarding the LNG carrier transit routes and adjacent shorelines between the FSRU and the Port Judith and Montauk Point pilot stations. Some of the information requested below is included in the WSR and/or in the draft Environmental Impact Statement (draft EIS) for the Broadwater LNG Project; however, we are asking Broadwater to consolidate that information along with the information requested below that may not be included in the WSR or the draft EIS into a single submittal (in electronic files and paper copies). Specifically, please provide color navigational maps (in 8-by-11-inch format) that depict the following:

a. the proposed LNG carrier transit routes from the outer limits of the U.S. territorial sea to the proposed location of the FSRU, including adjacent shorelines;
b. a bathymetric contour indicating the closest possible distance to shore that could be reached by an LNG carrier that has veered from the proposed route (that is, a contour line that depicts where a carrier would ground);
c. a graphic overlay illustrating the following "hazard zones"[1] from the center of the proposed carrier route:
    (1) Zone 1: heat flux of 37.5 kilowatts per square meter produced by a pool fire, extending about 750 yards from the center of the proposed route;
    (2) Zone 2: heat flux of 5 kilowatts per square meter produced by a pool fire, extending about 2,050 yards from the center of the proposed route; and
    (3) Zone 3: an unignited vapor cloud, extending as far as 4.3 miles from the center of the proposed route.

Response:

A color navigational map to satisfy the request to show the proposed LNG carrier transit routes, a bathymetric contour line which depicts where a carrier could theoretically ground (water depth less than or equal to 40 feet) and the overlay of the "hazard zones" 1, 2 and 3 from the center of the proposed carrier route has been provided as Figure 1.

[1]The "hazard zones" are described in Section 1.4 of the Coast Guard's WSR issued on September 21, 2006.

FERC 5-2

Request:

The WSR includes Environmental Sensitivity Index (ESI) maps for the state of Connecticut that cover the area from the pilot stations to the FSRU. We are requesting that Broadwater provide consolidated ESI maps (or comparable maps, such as the navigational maps being prepared in response to Item 1 above, with the appropriate overlay of sensitive areas) for the entire LNG carrier route (that is, from the outer limits of the U.S. territorial sea to the proposed location of the FSRU). Where applicable and feasible, these maps should depict the locations of the sensitive environmental sites or areas listed below:

a. population density (as defined in NVIC 05-05);
b. critical infrastructure (such as nuclear power plants, refineries, major ports and industrial areas);
c. shellfish nurseries;
d. critical habitat, migration routes, feeding/breeding grounds of federally endangered or threatened species;
e. critical habitat, migration routes, feeding/breeding grounds of state endangered or threatened species;
f. migration routes, major feeding/breeding grounds for marine mammals;
g. wetland areas;
h. marine sanctuaries;
i. wildlife refuges/sanctuaries;
j. migratory bird feeding/breeding grounds;
k. state and national parks;
l. tribal lands/tribal fishing areas (treaty rights fishing areas);
m. marine protected areas; and
n. essential fish habitats.

Response:

To satisfy the request, a map series has been created. As part of the mapping development that was undertaken to identify sensitive environmental sites, it became apparent that Environmental Sensitivity Index (ESI) data which was requested as part of the EIR does not cover Long Island and, after follow-up with the National Oceanic and Atmospheric Administration (NOAA) representative who manages the data warehouse, NOAA informed Broadwater via a phone inquiry that the data from the Northern Shore of Long Island and Long Island Sound is not available. In order to ensure sufficient data and coverage to address the resources identified above, Broadwater has mapped the ESI data in conjunction with data that was presented in previous submittals including Broadwater's Resource Reports and the WSR.

FERC 5-2

The map series includes the following Figures listed in Table 1 below, which depict the items listed as "a" through "n" in the EIR. In addition, Table 2 provides species detail on a grid-by-grid basis for the essential fish habitat areas depicted in Figure 8 (attached) and Table 3 provides detail on the critical infrastructure that is depicted in Figure 3 (attached).

Table 1 – Figure List for Sensitive Environmental Resource Areas

EIR Letter Reference	Environmental Site or Area	Reference Figure
a	Population Density	Figure 2
b	Critical Infrastructure	Figure 3
c	Shellfish Nurseries	Figures 4 and 5
d	Critical habitat, migration routes, feeding/breeding grounds of federally endangered or threatened species	Figures 9 and 10
e	Critical habitat, migration routes, feeding/breeding grounds of state endangered or threatened species	Figures 9 and 10
f	Migration routes, major feeding/breeding grounds for marine mammals	Figure 10
g	Wetland areas	Figure 6a
h	Marine sanctuaries	Figures 6b and 10
i	Wildlife refuges/sanctuaries	Figures 6b and 10
j	Migratory bird feeding/breeding grounds	Figure 7
k	State and national parks	Figure 6b
l	Tribal lands/tribal fishing areas (treaty rights fishing areas)	Figure 6b
m	Marine protected areas	Figure 10
n	Essential fish habitat	Figure 8

Table 2: Summary of Essential Fish Habitat (EFH) Grids

E = EGGS, L = LARVAE, J = JUVENILE, A = ADULT

Species	EFH 10'x10' Grids															
	41207130	41207120	41107250	41107240	41107230	41107220	41107210	41107200	41107150	41107140	41107130	41107120	41107110	41007250	41007240	41007230
Atlantic salmon *(Salmo salar)*			JA	JA	JA	JA	JA	JA						JA	JA	JA
Atlantic cod *(Gadus morhua)*	A	A							A	A	A	ELA	ELJA			
haddock *(Melanogrammus aeglefinus)*		L										L				
pollock *(Pollachius virens)*			JA	JA	JA	JA	JA							JA	JA	JA
whiting *(Merluccius bilinearis)*		ELJ	A	A	A						ELJ	ELJA	ELJA	A	A	A
offshore hake *(Merluccius albidus)*																
red hake *(Urophycis chuss)*		ELJA	ELJA	ELJA	EJA	ELJA	ELJA	A			ELJ	ELJ	ELJ	ELJA	ELJA	ELJA
white hake *(Urophycis tenuis)*																
witch flounder *(Glyptocephalus cynoglossus)*												E	L			
winter flounder *(Pleuronectes americanus)*		ELJA	ELJA	ELJA			ELJA				ELJA	ELJA	ELJA	ELJA	ELJA	ELJA
yellowtail flounder *(Pleuronectes ferruginea)*												ELJ	ELJA			
windowpane flounder *(Scopthalmus aquosus)*		ELJA	ELJA	ELJA	ELJA	ELJA	ELJA				JA	ELJA	ELJA	ELJA	ELJA	ELJA
American plaice *(Hippoglossoides platessoides)*		LJA												JA	JA	
ocean pout *(Macrozoarces americanus)*		ELJA									ELJA	ELJA	ELJA			
Atlantic sea scallop *(Placopecten magellanicus)*																
Atlantic sea herring *(Clupea harengus)*	A	LJA	JA	JA	JA	JA	JA	A	A	A	JA	JA	JA	JA	JA	JA
monkfish *(Lophius americanus)*		EL										EL	EL			
bluefish *(Pomatomus saltatrix)*	JA	JA	JA	JA	JA	JA	JA	JA	JA	A	JA	A	LJA	JA	JA	JA
long finned squid *(Loligo pealei)*	JA	JA									A		J			
Atlantic butterfish *(Peprillus triacanthus)*		J										J	EJA			
Atlantic mackerel *(Scomber scombrus)*		ELJA	ELJA	ELJA								E		ELJA	ELJA	ELJA
summer flounder *(Paralicthys dentatus)*		LJA	J	J							A	ELA	ELA	J	J	J
scup *(Stenotomus chrysops)*		ELJA	ELJA	ELJA							JA	JA	JA	ELJA	ELJA	ELJA
black sea bass *(Centropristus striata)*		JA	J	J							JA	J	J	J	J	J
surf clam *(Spisula solidissima)*		JA														
ocean quahog *(Artica islandica)*												JA				
spiny dogfish *(Squalus acanthias)*		JA										JA	JA			
king mackerel *(Scomberomorus cavalla)*	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA
Spanish mackerel *(Scomberomorus maculatus)*	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA
cobia *(Rachycentron canadum)*	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA
sand tiger shark *(Odontaspis taurus)*	L	L	L	L	L	L	L	L	L	L	L	L		L	L	L
common thresher shark *(Alopias vulpinus)*										LJA	LJA	LJA	LJA			
blue shark *(Prionace glauca)*	A	LA							LA	LJA	LJA	LJA	LJA			
basking shark *(Cetorhinus maximus)*																
white shark *(Charcharadon carcharias)*																
dusky shark *(Charcharinus obscurus)*		J						J	J	J	J	J	J			
shortfin mako shark *(Isurus oxyrhyncus)*		J								J	J	J	J			
sandbar shark *(Charcharinus plumbeus)*		JA								JA	JA	JA	JA			
tiger shark *(Galeocerdo cuvieri)*																
bluefin tuna *(Thunnus thynnus)*		A						A	A	A	A	A	A			
yellowfin tuna *(Thunnus albacares)*																
skipjack tuna *(Katsuwonus pelamis)*																
albacore tuna *(Thunnus alalunga)*																

Table 2: Summary of Essential Fish I

E = EGGS, L = LARVAE, J = JUVENILE, A = ADULT

Species	41007220	41007210	41007200	41007150	41007140	41007130	41007120	41007110	40507140	40507130	40507120	40507110	40407140	40407130
Atlantic salmon *(Salmo salar)*	JA	JA	JA											
Atlantic cod *(Gadus morhua)*					LA	ELJA	ELJA	ELJA		A	A	ELA	A	
haddock *(Melanogrammus aeglefinus)*					L			L				L	J	L
pollock *(Pollachius virens)*	JA												A	A
whiting *(Merluccius bilinearis)*				ELJ	ELJ	ELJ	ELJ	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA
offshore hake *(Merluccius albidus)*											L			
red hake *(Urophycis chuss)*	ELJA				ELJ	ELJ	ELJ	ELJ	ELJA	ELJA	ELJ	ELJ	ELJA	ELJA
white hake *(Urophycis tenuis)*													JA	
witch flounder *(Glyptocephalus cynoglossus)*						EL		EL	EL	E		EL	L	ELA
winter flounder *(Pleuronectes americanus)*	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA
yellowtail flounder *(Pleuronectes ferruginea)*						ELJA	ELJA	ELJA	ELJA	JA	LJA	ELJA	JA	ELJA
windowpane flounder *(Scopthalmus aquosus)*	ELJA	ELJA	ELJA	JA	ELJA	ELJA	ELJA	ELJA	ELJA	ELA	ELJA	ELJA	ELJA	A
American plaice *(Hippoglossoides platessoides)*			JA					L						L
ocean pout *(Macrozoarces americanus)*				ELA	ELA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA
Atlantic sea scallop *(Placopecten magellanicus)*									ELJA	ELJA	ELJA	ELJA	ELJA	
Atlantic sea herring *(Clupea harengus)*	JA	JA	JA		JA	JA	JA	LJA	JA	JA	JA	JA	JA	JA
monkfish *(Lophius americanus)*					EL	ELJA	ELA	ELA	ELA	ELJA	ELJA	ELJA	ELJA	ELJA
bluefish *(Pomatomus saltatrix)*	JA	JA	JA	JA	EJA	JA	A	ELA	JA	A	LA	A		
long finned squid *(Loligo pealei)*				J	J	JA	J		JA		JA	J	A	
Atlantic butterfish *(Peprillus triacanthus)*						L			EJ		LJ	J	J	L
Atlantic mackerel *(Scomber scombrus)*	ELJA	ELJA	ELJA			L		E				EL		
summer flounder *(Paralicthys dentatus)*	JA	J	J	JA	LJA	LA	LJA	ELA	ELA	A	LA	ELA	LA	A
scup *(Stenotomus chrysops)*	ELJ	ELJA	ELJA	JA	JA	JA	JA	JA	JA	JA	JA	JA	A	JA
black sea bass *(Centropristus striata)*	JA	JA	JA	J	J	J	J	J	JA	J	J	J	J	
surf clam *(Spisula solidissima)*						J								
ocean quahog *(Artica islandica)*						JA		JA	JA	JA	JA	JA	JA	
spiny dogfish *(Squalus acanthias)*				JA	JA	JA	JA		JA	J	JA	JA	JA	JA
king mackerel *(Scomberomorus cavalla)*	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA
Spanish mackerel *(Scomberomorus maculatus)*	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA
cobia *(Rachycentron canadum)*	ELJA	ELJA	ELJA	ELJA		ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA	ELJA
sand tiger shark *(Odontaspis taurus)*	L	L	L	L	L	L	L		L					
common thresher shark *(Alopias vulpinus)*					LJA	LJA	LJA	LJA	LJA	LJA	LJA	LJA	LJA	LJA
blue shark *(Prionace glauca)*		A	A	LJA	LJA	LJA	LJA	LJA	LJA	LJA	LJA	LJA	LJA	LJA
basking shark *(Cetorhinus maximus)*									JA	JA	JA	JA	JA	JA
white shark *(Charcharadon carcharias)*					J	J			J	J			J	J
dusky shark *(Charcharinus obscurus)*			L	LJ	J	J	J	J	J	J	J	J	J	J
shortfin mako shark *(Isurus oxyrhyncus)*				J	LJ	LJ	LJ	LJ	LJA	LJA	LJA	LJA	LJA	LJA
sandbar shark *(Charcharinus plumbeus)*			LJA	LJA	JA	JA	JA	JA	JA	JA	JA	JA	JA	JA
tiger shark *(Galeocerdo cuvieri)*								L	LJ	LJ	LJ	LJ	LJ	LJ
bluefin tuna *(Thunnus thynnus)*				JA	JA	JA	JA	JA	JA	JA	JA	JA	JA	JA
yellowfin tuna *(Thunnus albacares)*									JA	JA	JA	JA	JA	JA
skipjack tuna *(Katsuwonus pelamis)*									A	A	A	A	A	A
albacore tuna *(Thunnus alalunga)*									J	J	J	J	J	J

Table 3: Critical Energy Infrastructure within the Vicinity of Long Island Sound

Facility Name[1]	Address	City, State, ZIP	Facility Type[1]	Owner/Primary Contract Holder[1]	Summer Capability (MW) [1]	Notes
AES Thames	141 Depot Rd.	Uncasville, CT 06382	Coal Power Plant	Northeast Utilities	181	
Branford 10	272 East Main Street	Branford, CT 06405	Oil	NRG	16	
Bridgeport Energy	10 Atlantic St.	Bridgeport, CT 06604	Natural Gas	Duke Energy	448	Same location as Bridgeport Harbor
Bridgeport Harbor	10 Atlantic St.	Bridgeport, CT 06604	Coal, Oil	PSEG Power	416	4 Units, same location as Bridgeport Energy
Bridgeport RESCO	6 Howard Ave	Bridgeport, CT 06605	Resource Recovery Facility	United Illuminating	59	
Cos Cob 10, 11, 12 (B)	Sound Shore Drive	Greenwich, CT	Oil	NRG	52	West of FSRU
Devon 7, 8, 11-14	Naugatuck Ave.	Milford, CT 06460	Gas/Oil	NRG	337	
Glenwood 1-3, 4,5 (B)	NA	Glenwood Landing, NY	Gas	NA	350	West of FSRU
Milford Power (A)	NA	Milford, CT 06460	Gas	NA	NA	Proposed
Millstone #2 and #3	Rope Ferry Road	Waterford, CT	Nuclear	Dominion Nuclear CT, Inc.	2003	
Montauk Generating Facility (C)	Navy Road	Montauk, NY 11954	Oil	Keyspan	6	Located on Peconic Estuary, but near the Eastern edge of LI
New Haven Harbor #1	1 Waterfront Street	New Haven, CT	Oil/Gas	Wisvest-CT, LLC/PSEG	461	
Northport 1-4, G-1	Waterside Avenue and Eaton's Neck Road	Northport, NY	Gas, Oil	Keyspan	1535	
Norwalk Harbor #1 and 2 (B)	Manresa Island Ave.	South Norwalk, CT	Oil	NRG	330	West of FSRU
Port Jefferson 3,4, G-1	Beach Street	Port Jefferson, NY	Gas, Oil	Keyspan	401	
Port Jefferson Energy Center			Natural Gas	LIPA	79.9	Located adjacent to existing Port Jefferson facility.
Quinnipiac Energy (A)	NA	New Haven, CT	Oil	NA	NA	Proposed
Shoreham	North Country Road, 1/2 to the east of Wading River, former nuclear power plant site	Shoreham, NY 11786	Oil	LIPA/Keyspan	65	Existing and New Proposed Facilities, former site of decommissioned nuclear power plant
Southold GT Facility	Route 25, West of Chapel Lane	Southold, NY 11944	Oil	Keyspan	14	
Wading River	North Country Road	Shoreham, NY 11786	Oil	Keyspan	251	

(A) Proposed Facility
(B) Facility west of proposed FSRU
(C) Facility on the south shore, but at eastern end of Long Island
NA - Not available
References:

1.Task Force on Long Island Sound. 2003. Comprehensive Assessment and Report Part II: Environmental Resources and Energy Infrastructure of Long Island Sound. Pursuant to Public Act No. 02-95 and Executive Order No. 26. Online at http://www.easternct.edu/depts/sustainenergy/taskForceWorkingGroup/AssessmentReport2.pdf, accessed May 9, 2007.
2. Long Island Power Authority. 2007. Online at: http://www.lipower.org/company/powering/, accessed May 10, 2007.
3. U.S. Environmental Protection Agency. Environfacts Data Warehouse. Online at http://www.epa.gov/enviro/index.html. Accessed May 10, 2007.
4. U.S. Environmental Protection Agency. 2004. Major Facilities from the Air Facility System Reporting Title V Applicability. Online at http://www.epa.gov/Compliance/resources/publications/data/systems/air/afsmajorsources.pdf, accessed May 10, 2007.

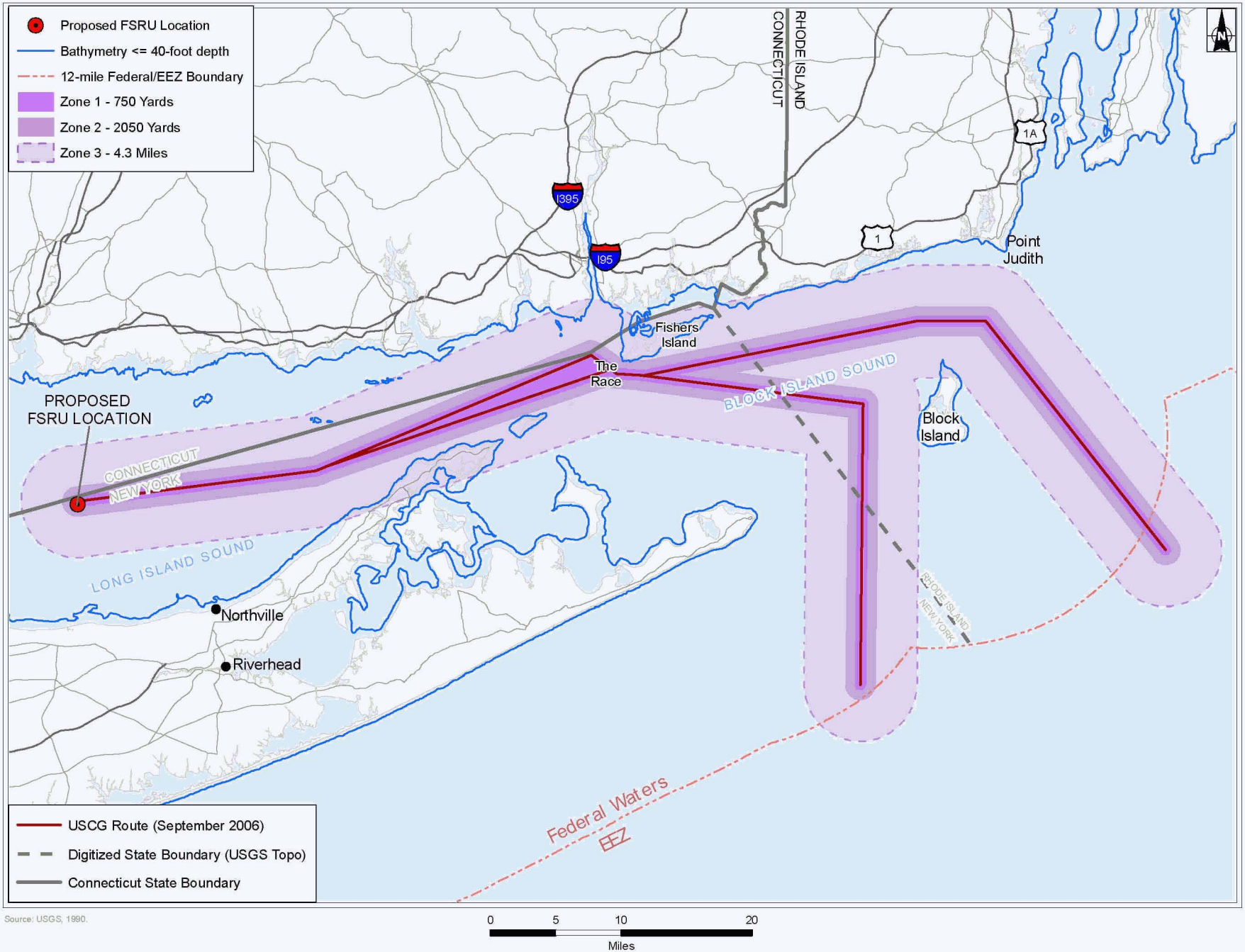

Figure 1 Proposed Broadwater LNG Carrier Route and Proximity to Shallow Depths (<= 40 feet) in Long Island Sound

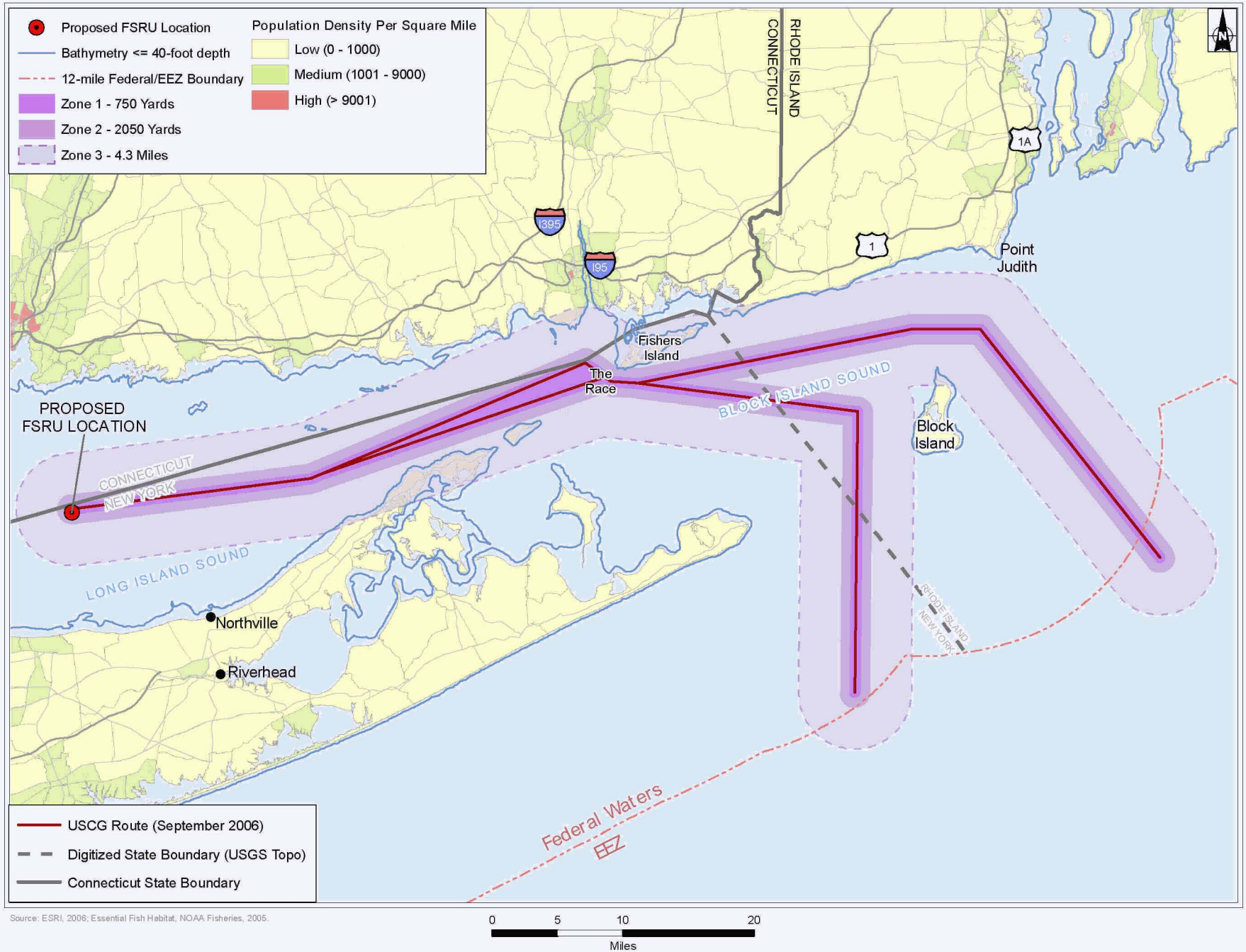

Figure 2 Proposed Broadwater LNG Carrier Route, Population Density (as defined in NVIC 05-05) in Long Island Sound

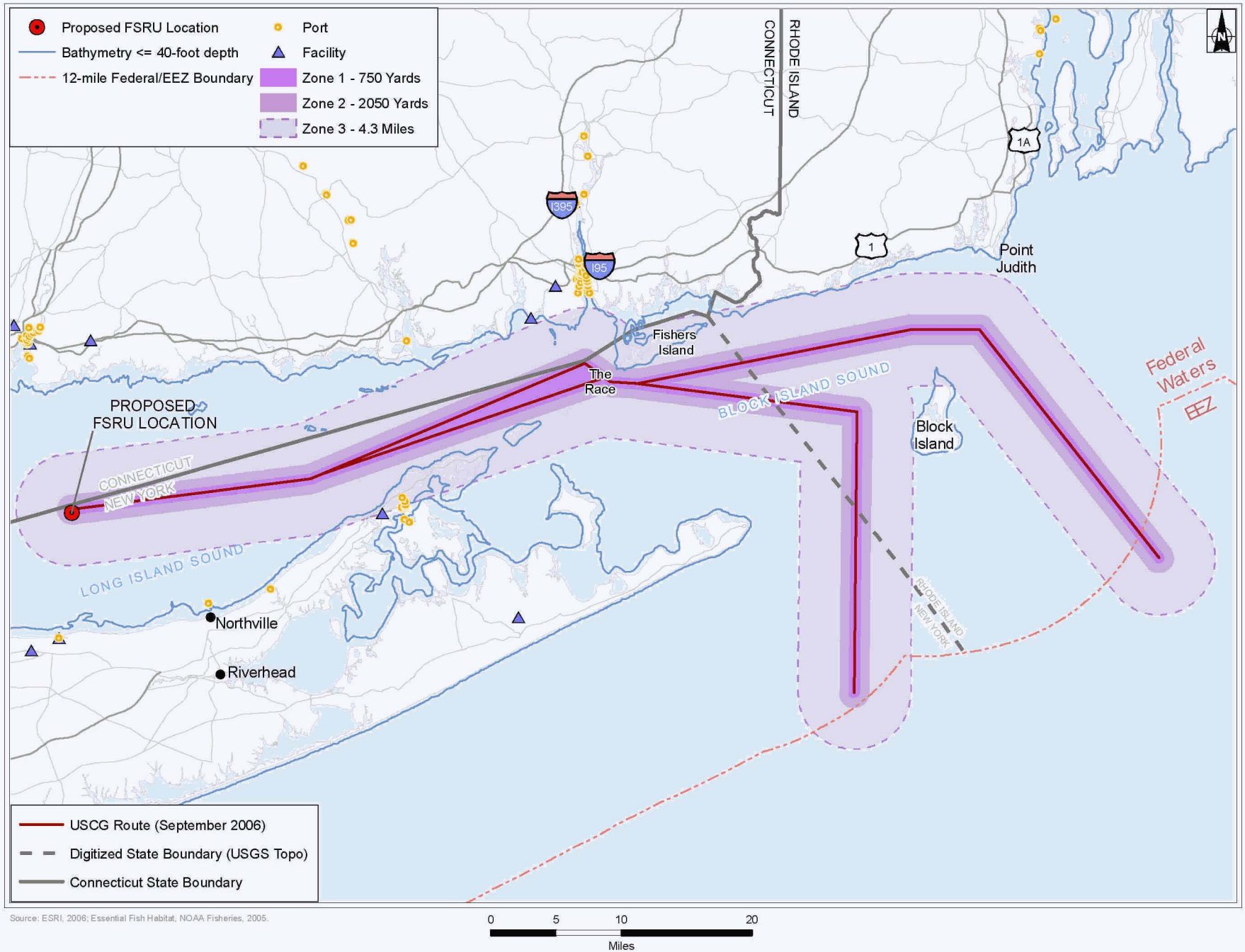

Figure 3 Proposed Broadwater LNG Carrier Route
Critical Infrastructure in Long Island Sound

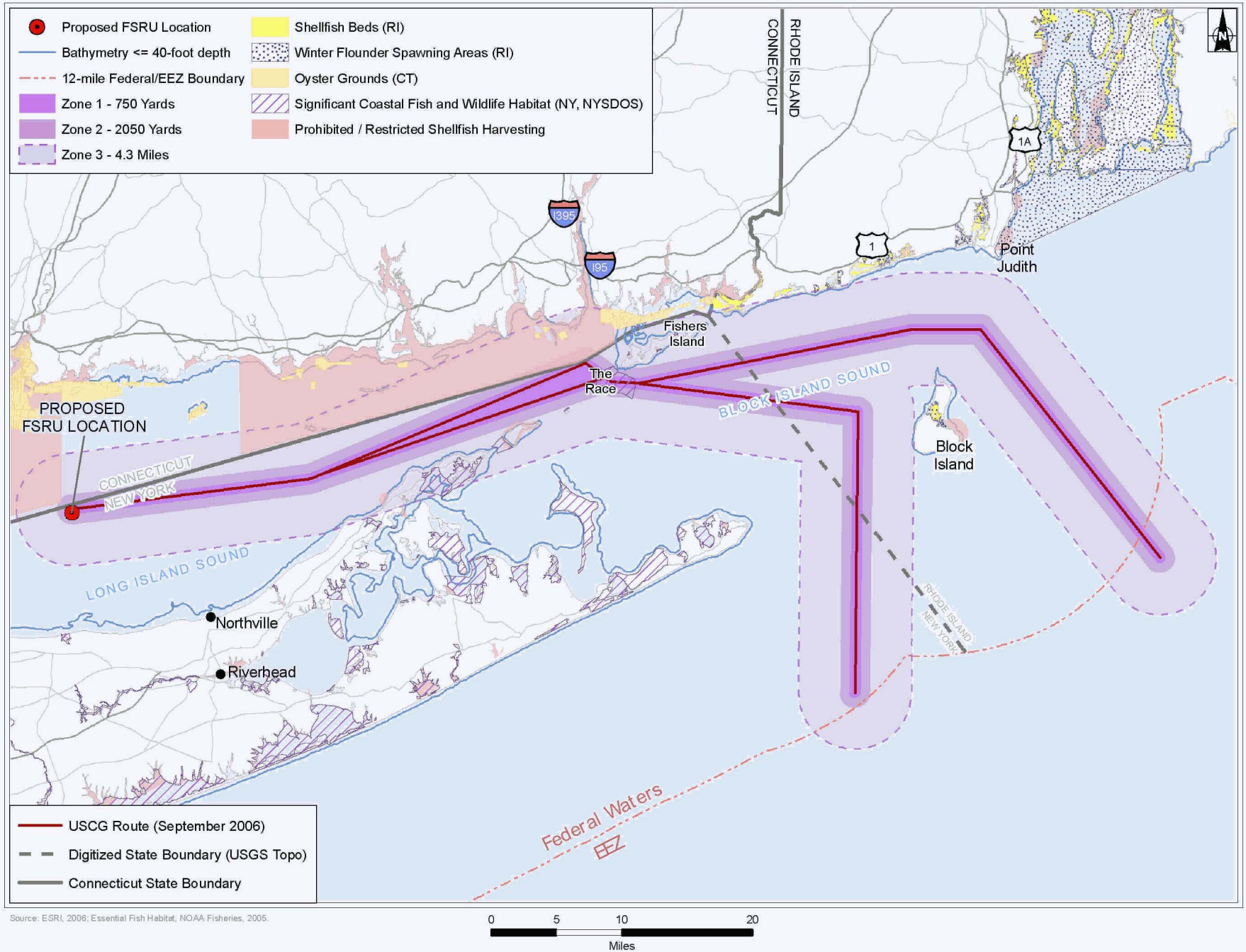

Figure 4 Proposed Broadwater LNG Carrier Route
Shellfish Distribution in Long Island Sound

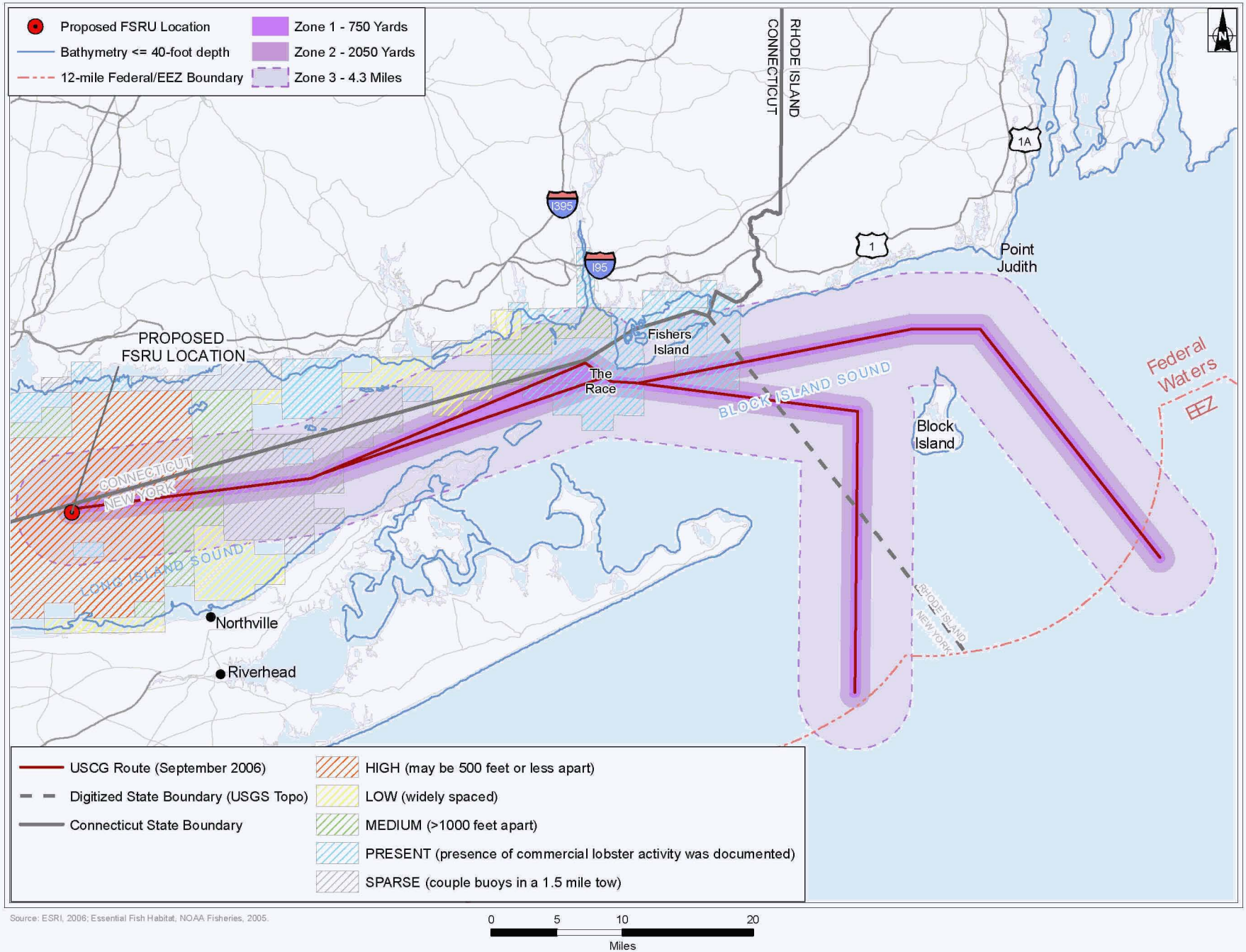

Figure 5 Proposed Broadwater LNG Carrier Route
Lobster Density in Long Island Sound

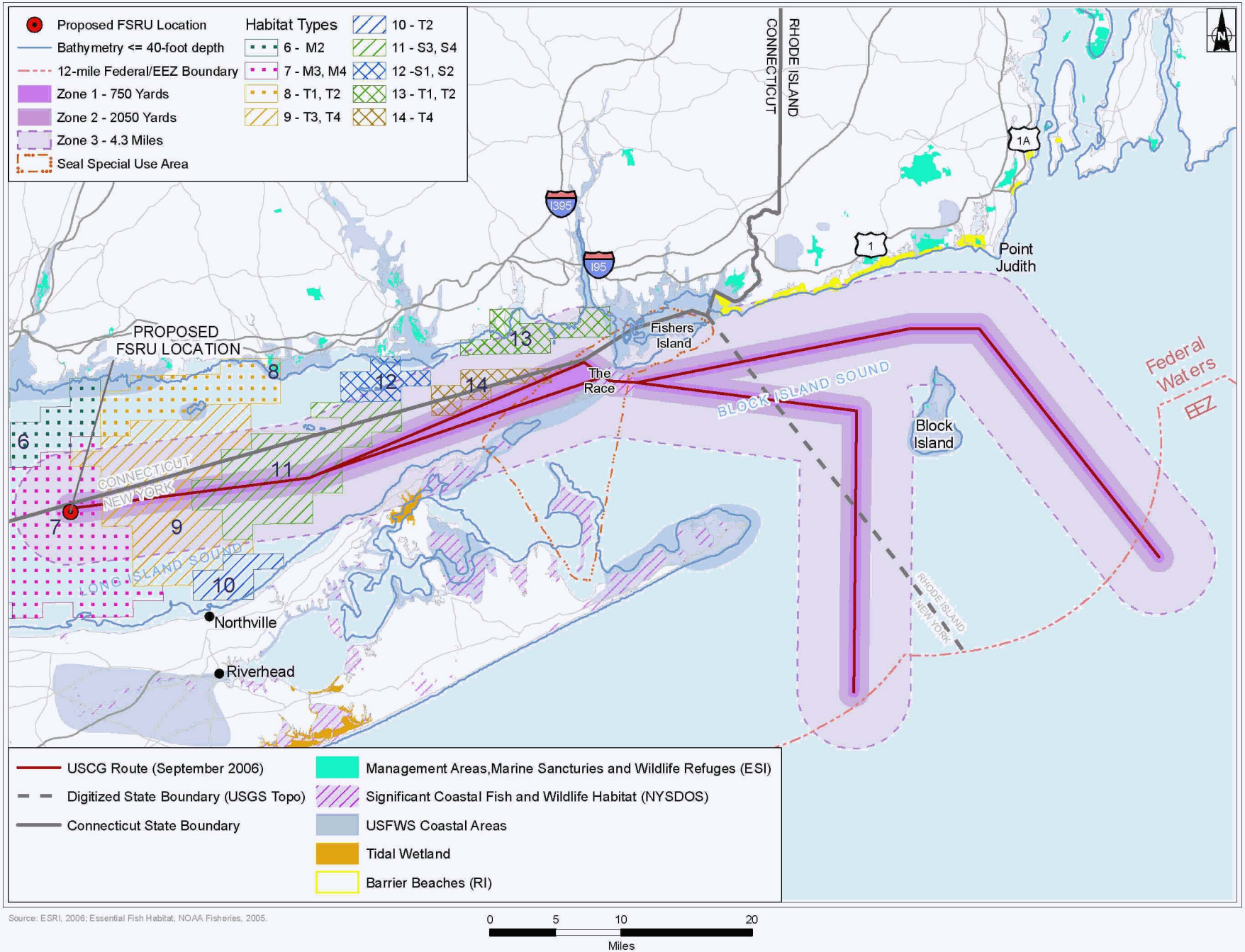

Figure 6a Proposed Broadwater LNG Carrier Route, Marine Habitats, Wetlands and Sanctuaries in Long Island Sound

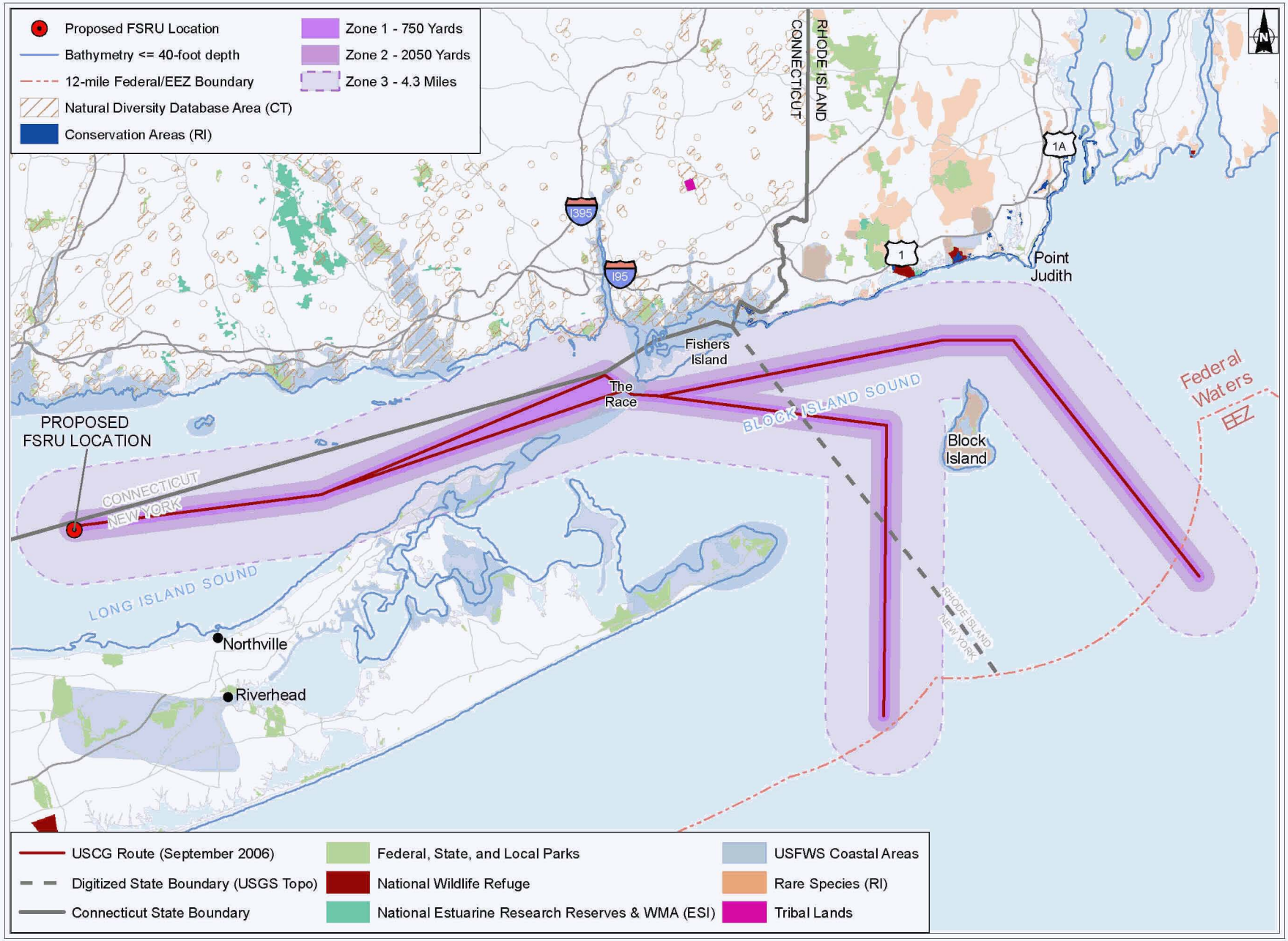

Figure 6b Proposed Broadwater LNG Carrier Route
Terrestrial Habitats and Management Areas in Long Island Sound

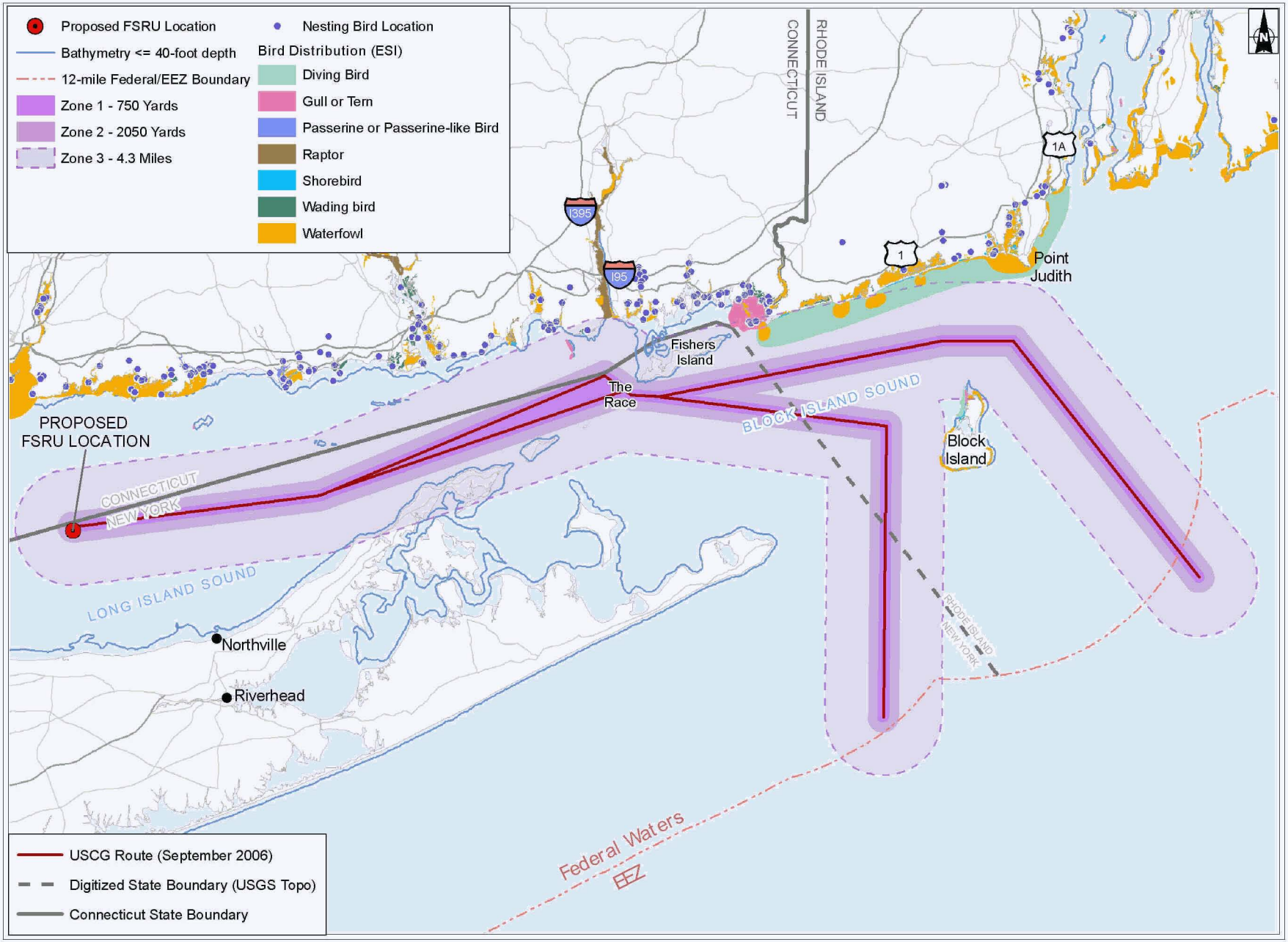

Figure 7 Proposed Broadwater LNG Carrier Route Bird Distribution, Feeding, and Breeding Grounds in Long Island Sound

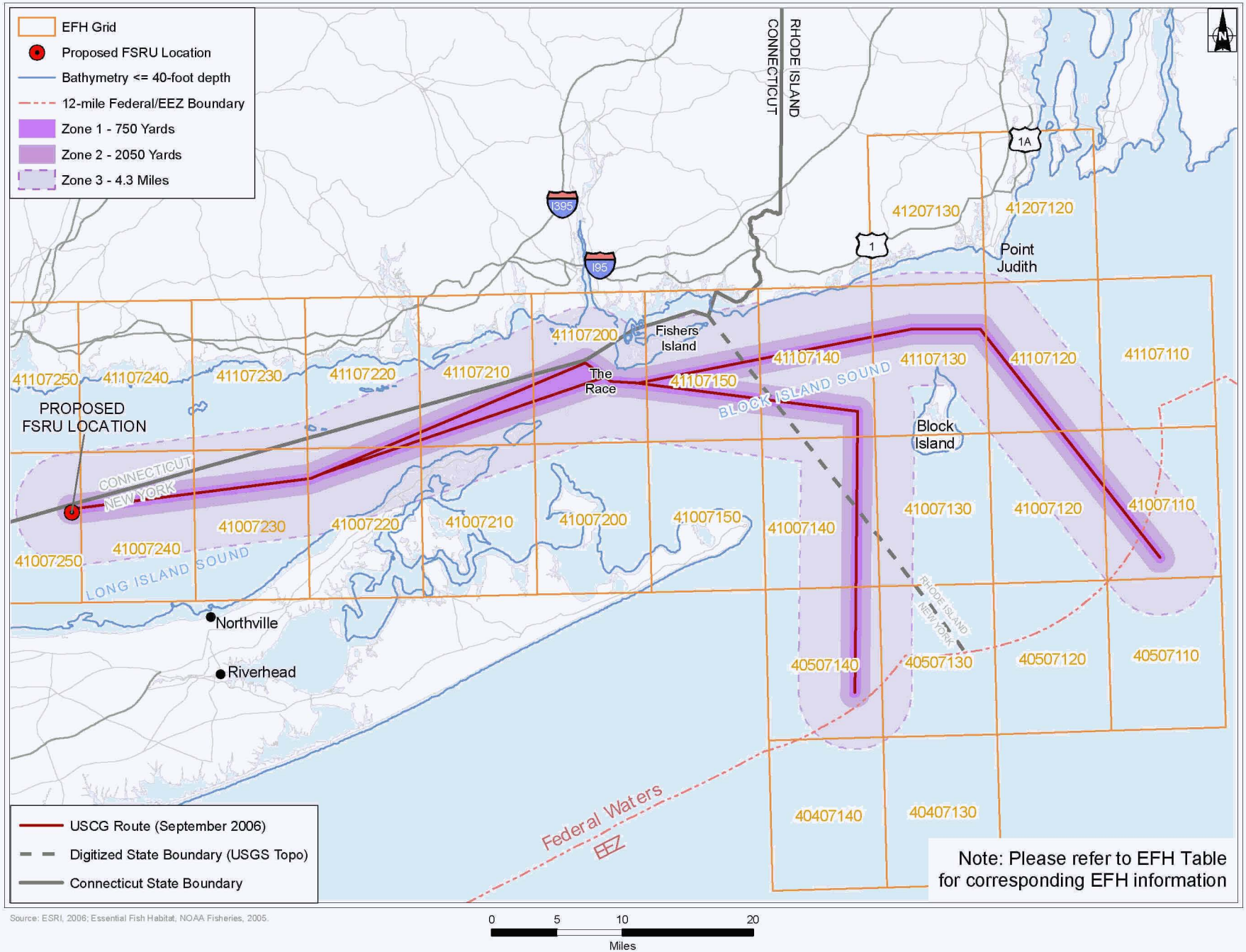

Figure 8 Proposed Broadwater LNG Carrier Route
Essential Fish Habitat Areas in Long Island Sound

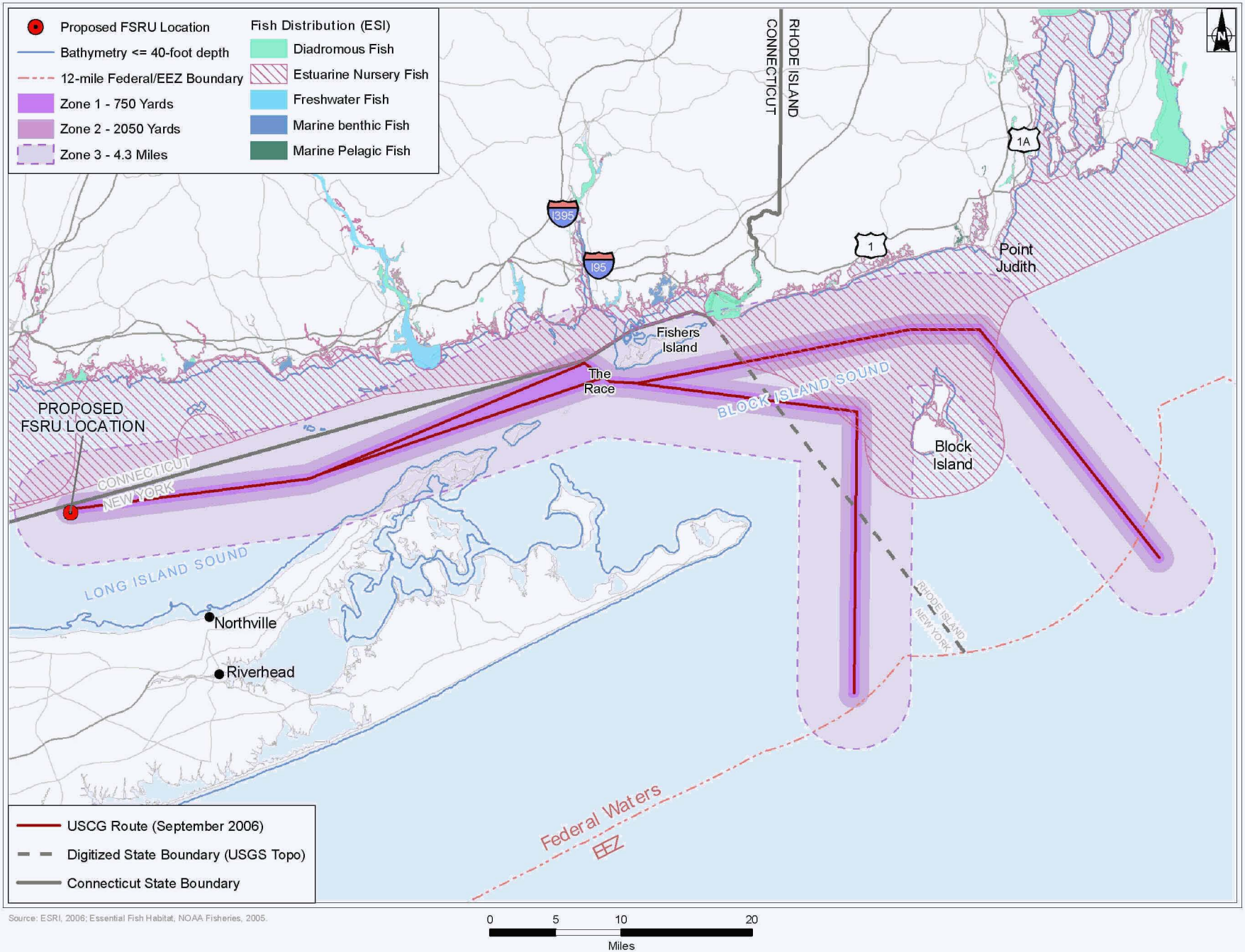

Figure 9 Proposed Broadwater LNG Carrier Route
Fish Distribution in Long Island Sound

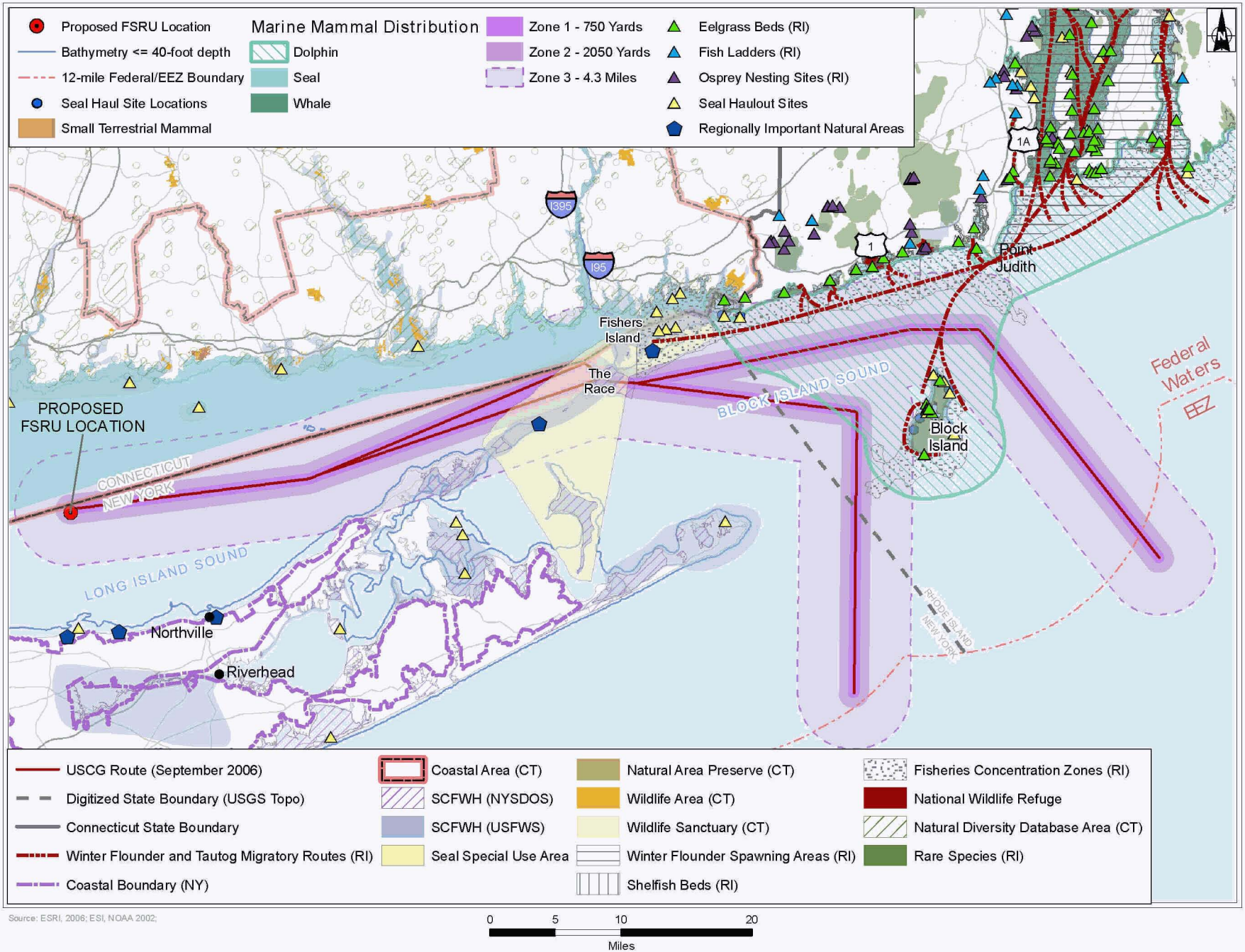

Figure 10 Proposed Broadwater LNG Carrier Route
Marine Mammal Distribution and Habitat Areas in Long Island Sound

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding in accordance with the requirements of Rule 2010 of the Commission's Rules of Practice and Procedure.

Dated at Washington, D.C. this 31st day of May 2007.

/s/ Brett A. Snyder
Brett A. Snyder

Submission Contents