

PHASE IV DEBRIS REMOVAL SURVEY
Preliminary Environmental Unit Review

Waterway: 8619 Lake Chien

NOAA reviewer: Troy Baker ^{T.B.}

Date: 24 APRIL 2008

Checklist of Environmental Factors – Assess the potential for impacts to the following resources/areas and coordinate as necessary:

- Habitat/environmental sensitivity –
 - ◆ Intermediate and Salt Marshes are present in the survey area. Survey teams and equipment should remain in water to avoid physical damage to habitat.
- Threatened/endangered species –
 - ◆ Threatened raptors and several species of sensitive birds are in the vicinity of Lake Chien and Lake Felicity. Extreme care should be taken to avoid shorelines and marsh habitat surrounding Lake Chien and Felicity.
- Cultural/historical resources –
- Oyster habitat –
 - ◆ Oyster leases are present in Lake Chien and surrounding waters. Confirm all transit and survey routes avoid sensitive or privately-owned areas and/or do not disturb bottom habitats.
- State/federal/tribal lands –
- Scenic waterway –

Summary and Conclusions of Environmental Review:

Habitat/environmental sensitivity: Marshes in this area are sensitive to impact and survey teams should remain in the water to minimize potential adverse impacts to habitat.

Threatened/endangered species: Adverse effects to rare raptors can be avoided by staying several thousand feet from nest trees, adjacent terrestrial habitats to waterway, and maintaining situational awareness of coastal waters during boat surveys. Impacts to other sensitive birds that are present year-round can be avoided by not disturbing shorelines and marshes surrounding Lake Chien.

Cultural/historical resources: No known resources. No coordination required.

Oyster habitat: Oyster leases are present in Lake Chien and surrounding waters. Do not deviate from pre-planned transit and survey routes designed to avoid these areas and avoid disturbing bottom lands.

State/federal/tribal lands: Lands with special ownership are not present in this waterway

Scenic waterway: Not a scenic waterway