

**Ninigret NWR Disposal Areas
Charlestown, Rhode Island**

SAMPLING PLAN

Site Description

The Ninigret NWR Disposal Areas are located on the Ninigret National Wildlife Refuge in Charlestown, Rhode Island and the property is owned and managed by U.S. Department of the Interior-Fish and Wildlife Service. The refuge property was formally part of the U.S. Naval Auxiliary Landing Field (NALF) which operated on the property from 1940 until 1972 as an annex to the Naval Air Station at Quonset Point, Rhode Island. When the NALF was deactivated in 1972, the property was transferred to the Fish and Wildlife Service and the Town of Charlestown. In 1987, an "Engineering Report on Contamination Evaluation" identified three (3) areas of waste disposal activity on the refuge property which may be impacting human health and the environment.

Personnel

The following personnel will conduct a preliminary surface soil sampling of two of the three identified areas: Leo Hellested, Jeff Crawford. Personnel will conduct sampling activities in Level "D" with provisions to upgrade to Level "C" if warranted. Sampling is scheduled to take place on 25 November 1992.

Technical Approach

A site walkover was conducted on 19 November 1992 by representatives of RIDEM and the Fish and Wildlife Service of the three disposal areas. Sampling locations were chosen for this plan and are indicated on the attached figure.

- SS #1- Surface soil sample will be taken from Source Area #3 previously identified as the "Burn Pit Area". Site walkover identified heavily dark stained soil intermixed with metallic debris. Sample will be taken from 0-12 inch depth in the middle of the Burn Pit Area and analyzed for the following parameters: SVOC'S, 13 Metals (total), PCB/Pesticides and Dioxin/Furan's.
- SS #2- Surface soil sample to be taken at Source Area #4. This sample is to be taken near the old 55 gallon drum containers which were observed in the wetland. One container was marked "toluene". The sample will be taken from the 0-12 inch depth and analyzed for the following parameters: VOC's, SVOC's, 13 Metals (total) and PCB/Pesticides.

Sampling Plan- Ninigret NWR Disposal Areas
continued:

- SS#3-** Surface soil sample to be taken at Source Area #4. This sample will be taken of soil material adjacent to an old pile of utility poles observed during the site walk over which are discarded on the edge of the wetland and disposal area. The sample will be taken from the 0-12 inch depth and will be analyzed for the following parameters: SVOC's, 13 Metals (total) and PCB/Pesticides.
- SS#4-** Surface soil sample to be taken at Source Area #4. This sample will be taken of soil adjacent to disposal area (northwest) where old paint and solvent containers are visible along with solid waste debris. The sample will be taken from 0-12 inch depth and will be analyzed for the following parameters: VOC's, SVOC's, 13 Metals (total) and PCB/Pesticides.
- SS#5-** Background sample will be taken at a location on DOI property which has no evidence of being impacted by landfill activities. The sample will be analyzed for SVOC's and total metals.

Soil samples will be taken using precleaned stainless steel scoops and stored in the following containers on ice in a cooler and will be transported to the DEM Contractor laboratory (ESS) in Providence via a Chain of Custody.

VOC'S- (2) 40 ml. Vials- per sample
SVOC's- (1) 1 Liter Amber Glass widemouth
PCB/Pesticides- same container as SVOC
Dioxin/Furan- same container as SVOC
13 Metals (total)- same container as SVOC

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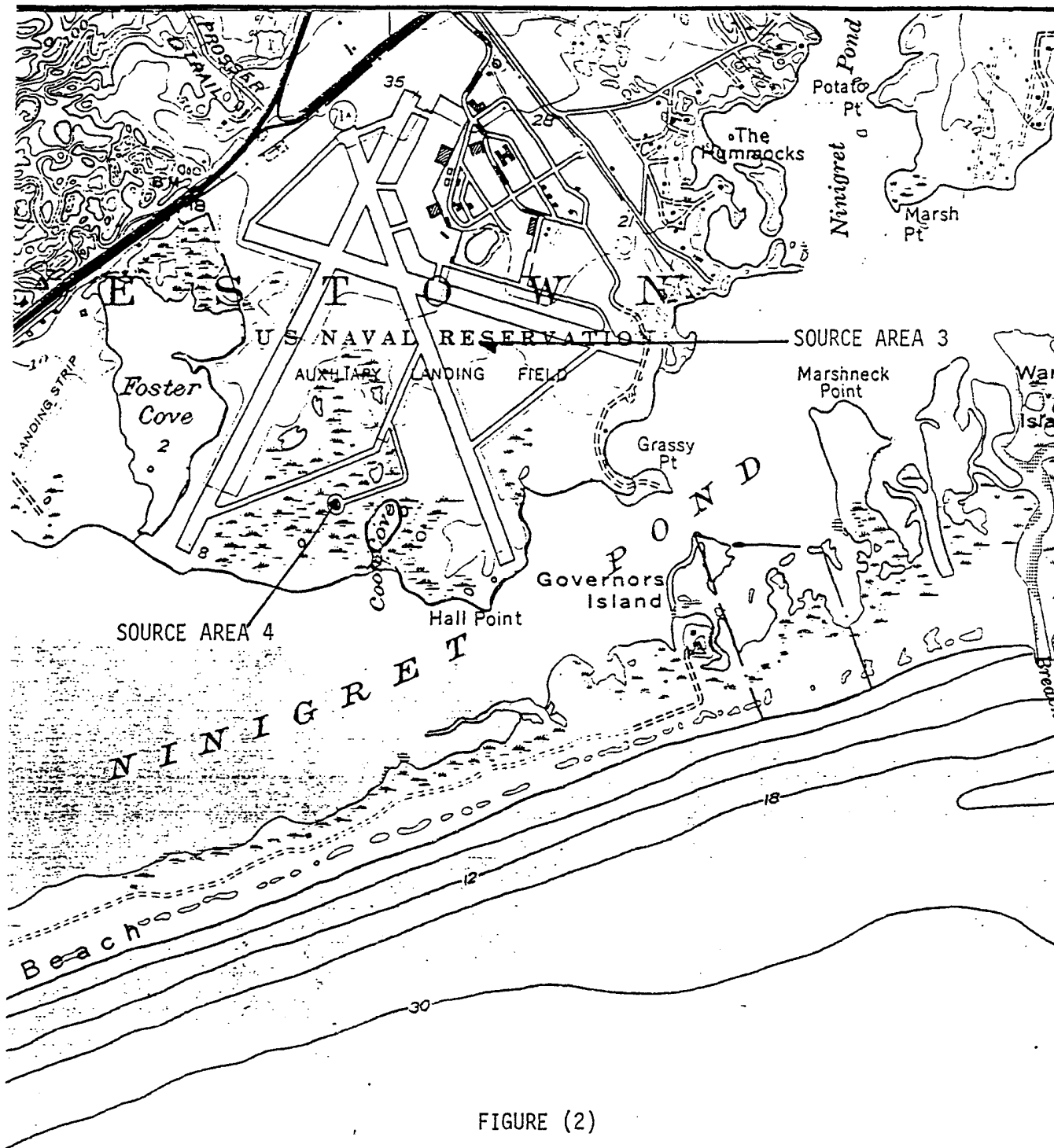


FIGURE (2)
SOURCE AREA LOCATIONS AT DOI