

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services  
 Division of Health Engineering, SHS 10  
 (207) 287-5672 Fax (207) 287-3165

<b>PROPERTY LOCATION</b>		<b>&gt;&gt; Caution Permit Required -- Attach in Space Below &lt;&lt;</b>	
City, Town, or Plantation	Portland	<div style="font-size: 2em; font-weight: bold; margin-bottom: 10px;">046022</div> <div style="font-size: 1.5em; font-weight: bold; margin-bottom: 10px;">108 A 001</div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px;">                 PERMIT                  Date Issued: 7/3/03                  Local Plumbing Inspector Signature: <i>[Signature]</i> </div> <div style="border: 1px solid black; padding: 5px;">                 FEE                  If Double Fee Charged: <input type="checkbox"/>                  L.P.I. # 0690             </div> </div>	
Street or Road	Old Warf Trail		
Subdivision, Lot #	Jewell Island		
<b>OWNER/APPLICANT INFORMATION</b>			
Name (last, first, MI)	Spencer Steve		
Mailing Address of Owner/Applicant	Bureau of Parks & Lands SHS #28, Augusta, Me. 04333		
Daytime Tel. #	287-4920		
<b>Owner or Applicant Statement</b>		<b>Caution: Inspection Required</b>	
submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
Signature of Owner or Applicant _____ Date _____		Local Plumbing Inspector Signature _____ (2nd) Date Approved _____	

<b>TYPE OF APPLICATION</b>	<b>THIS APPLICATION REQUIRES</b>	<b>DISPOSAL SYSTEM COMPONENTS</b>
<input checked="" type="checkbox"/> 1. First Time System <input type="checkbox"/> 2. Replacement System Type Replaced: _____ Year Installed: _____ <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <input type="checkbox"/> b. Major Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	<input checked="" type="checkbox"/> 1. No Rule Variance <input type="checkbox"/> 2. First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector Approval <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Approval	<input type="checkbox"/> 1. Complete Non-engineered System <input checked="" type="checkbox"/> 2. Primitive System (graywater & alt. toilet) <input checked="" type="checkbox"/> 3. Alternative Toilet, specify: <u>Pit Privy</u> <input type="checkbox"/> 4. Non-engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input type="checkbox"/> 6. Non-engineered Disposal Field (only) <input checked="" type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pre-treatment, specify: _____ <input type="checkbox"/> 12. Miscellaneous Components
<b>SIZE OF PROPERTY</b>	<b>DISPOSAL SYSTEM TO SERVE</b>	<b>TYPE OF WATER SUPPLY</b>
2.21 <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> acres	<input type="checkbox"/> 1. Single Family Dwelling Unit, No of bedrooms: _____ <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input checked="" type="checkbox"/> 3. Other: <u>State Park Facility</u> Current Use: <input checked="" type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	<input type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other: <u>N/A</u>
<b>SHORELAND ZONING</b>	<b>DE: 1 2 (SYSTEM LAYOUT SHOWN) IN PAGE 3</b>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

<b>TREATMENT TANK</b>	<b>DISPOSAL FIELD TYPE &amp; SIZE</b>	<b>GARBAGE DISPOSAL UNIT</b>	<b>DESIGN FLOW</b>
<input type="checkbox"/> 1. Concrete <input type="checkbox"/> a. Regular <u>N/A</u> <input type="checkbox"/> b. Low profile <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: _____ CAPACITY _____ gallons	<input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input type="checkbox"/> 3. Proprietary Device <u>N/A</u> <input type="checkbox"/> a. Cluster array <input type="checkbox"/> c. Linear <input type="checkbox"/> b. Regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____ SIZE _____ <input type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.	<input type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> a. Multi-compartment Tank <input type="checkbox"/> b. _____ Tanks in Series <u>N/A</u> <input type="checkbox"/> c. Increase in Tank Capacity <input type="checkbox"/> d. Filter on Tank Outlet	<u>N/A</u> gallons per day BASED ON: <input type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 502.2 (other facilities) <div style="border: 2px solid black; padding: 5px; text-align: center;">                     PERMITS CALCULATIONS                      -- for other facilities --                      NOV 16 2004                      CITY OF PORTLAND  <input type="checkbox"/> 3. Section 503.0 (meter readings)                      ATTACH WATER-METER DATA                 </div>
<b>SOIL DATA &amp; DESIGN CLASS</b>	<b>DISPOSAL FIELD SIZING</b>	<b>EFFLUENT/EJECTOR PUMP</b>	
PROFILE CONDITION DESIGN <u>12 / B / 1</u> at Observation Hole # <u>1</u> Depth <u>48</u> " Elevation <u>-131</u> " OF MOST LIMITING SOIL FACTOR	<input type="checkbox"/> 1. Small -- 2.0 sq. ft./gpd <u>N/A</u> <input type="checkbox"/> 2. Medium -- 2.6 sq. ft./gpd <input type="checkbox"/> 3. Medium-Large -- 3.3 sq. ft./gpd <input type="checkbox"/> 4. Large -- 4.1 sq. ft./gpd <input type="checkbox"/> 5. Extra-Large -- 5.0 sq. ft./gpd	<input type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May Be Required <u>N/A</u> <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	

<b>SITE EVALUATOR STATEMENT</b>			
I certify that on <u>7/3/03</u> (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).			
<u>David P. Roquie</u> Site Evaluator Signature	<u>154</u> SE #	<u>7/3/03</u> Date	<u>10/100 \$ 110.00</u>
<u>David P. Roquie</u> Site Evaluator Name Printed	<u>622-7487</u> Telephone #		

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

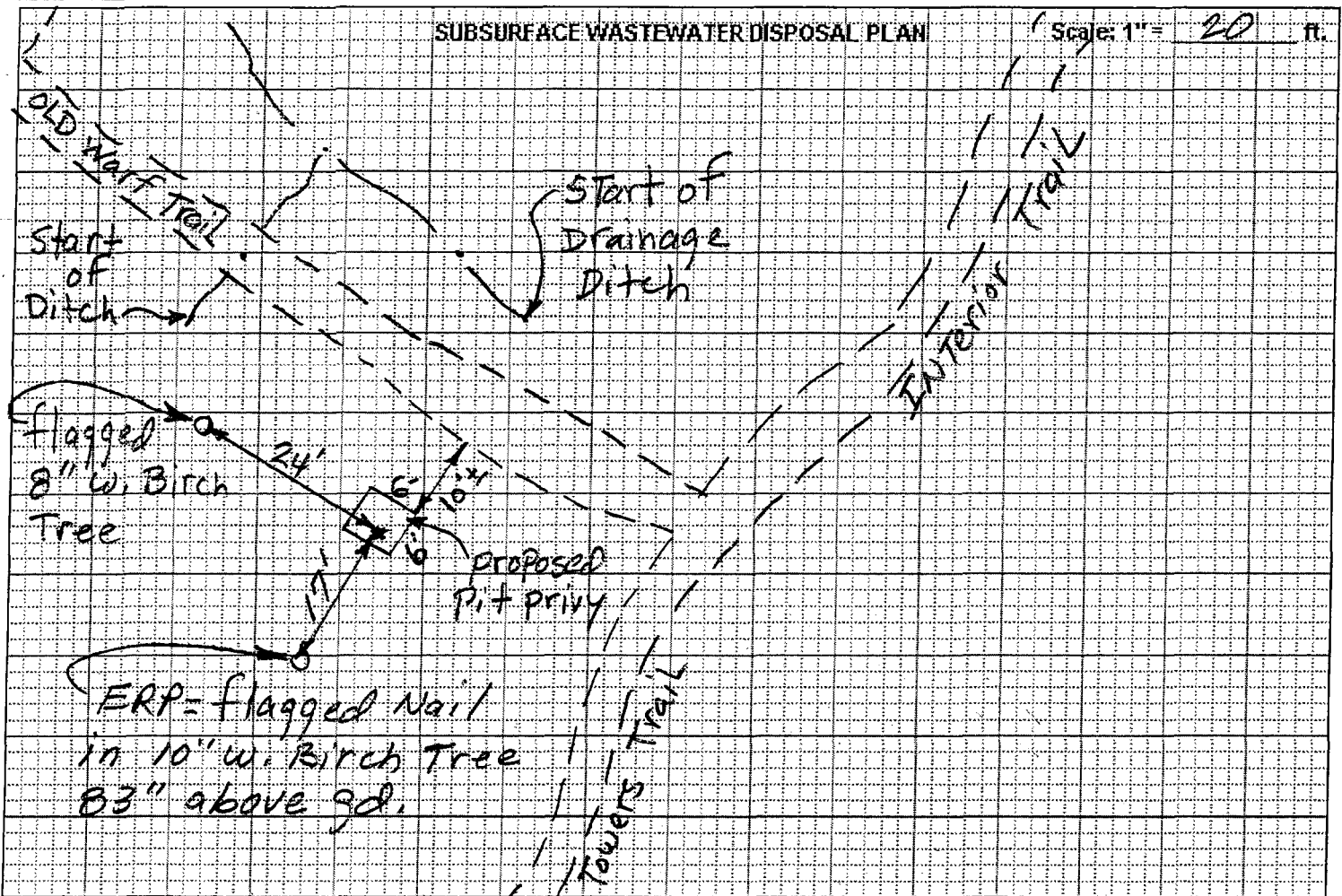
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Town, City, Plantation

Street, Road, Subdivision

Owner or Applicant Name



**BACKFILL REQUIREMENTS**

Depth of Backfill (upslope) 0 "  
 Depth of Backfill (downslope) 0 "  
 DEPTHS AT CROSS-SECTION (shown below)

**CONSTRUCTION ELEVATIONS**

Finished Grade Elevation N/A "  
 Top of Distribution Pipe or Proprietary Device N/A "  
 Bottom of Disposal Field (Pit) -89 "

**ELEVATION REFERENCE POINT**

Location & Description: Flagged nail in 10\" w. Birch Tree  
 Reference Elevation is: 0.0 " or: \_\_\_\_\_

**DISPOSAL FIELD CROSS-SECTION**

Scales:  
 Vertical: 1" = \_\_\_\_\_ ft.  
 Horizontal: 1" = \_\_\_\_\_ ft.

See Next Sheet

David P. Roague  
 Site Evaluator Signature

154  
 SE #

7/31/03  
 Date

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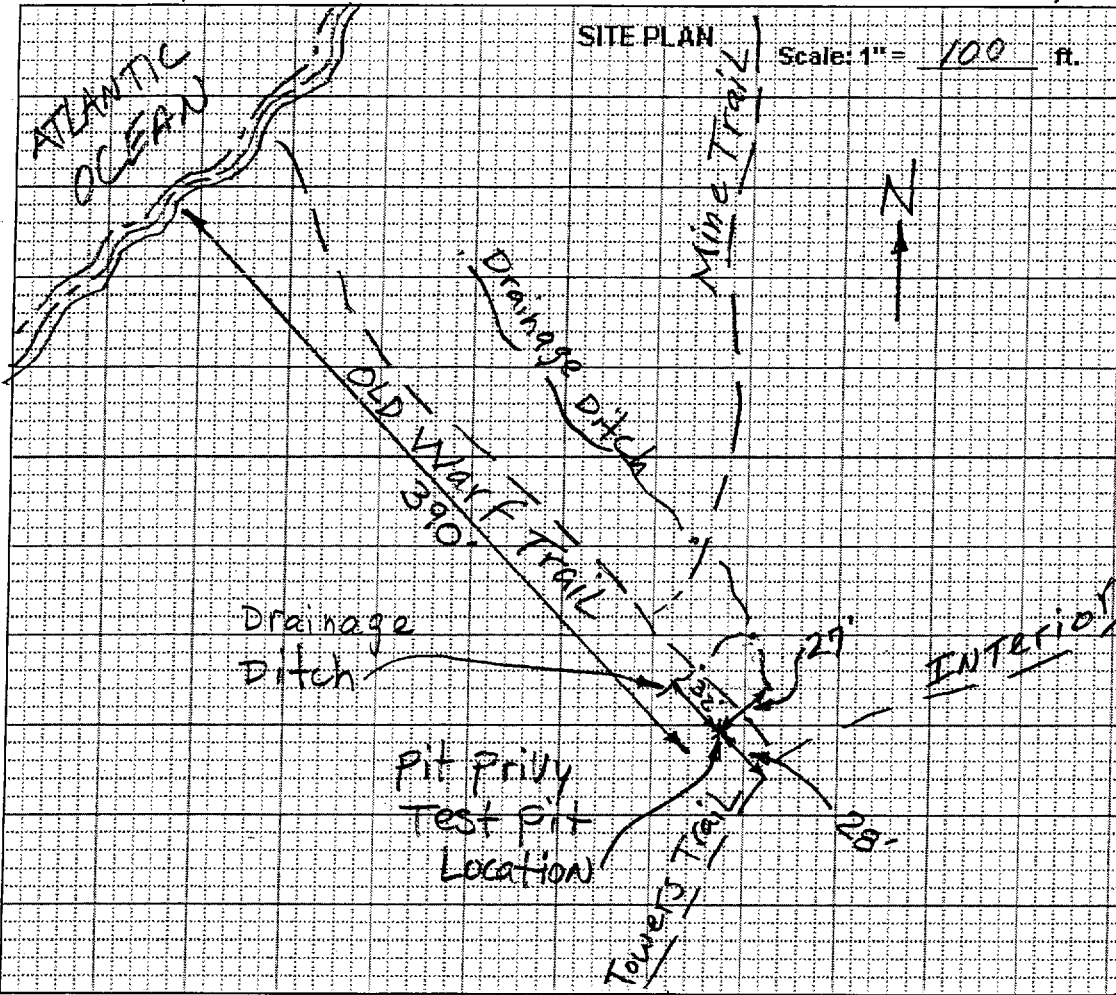
*Portland*

Street, Road, Subdivision

*OLD Warf Trail*

Owner or Applicant Name

*Dept. of Conservation*



**SITE LOCATION MAP**  
 (Attach map from Maine Atlas for First Time System Variance)

*See attached copy from Maine ATLAS*

## SOIL PROFILE DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole # TP1  Test Pit  Boring

2 " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0	Very gravelly	Friable	Various Shades of BROWN	NONE observed
6	gravelly			
12	stoney			
18	sandy			
24	Loam fill			
30				
36				
42				
48	Soil Profile <u>12</u>	Classification <u>B</u> Condition	Slope <u>0-5</u> Percent	Limiting Factor <u>N/A</u> Depth

Observation Hole # \_\_\_\_\_  Test Pit  Boring

\_\_\_\_\_ " Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0				
6				
12	<i>TP1 is in the shoulder of a road most likely constructed for WWII Activities. Most of Island soils are very shallow to bedrock</i>			
18				
24				
30				
36				
42				
48	Soil Profile _____	Classification _____ Condition	Slope _____ Percent	Limiting Factor _____ Depth

*David P. Boane*  
 Site Evaluator/Signature

154  
 SE #

7/31/03  
 Date

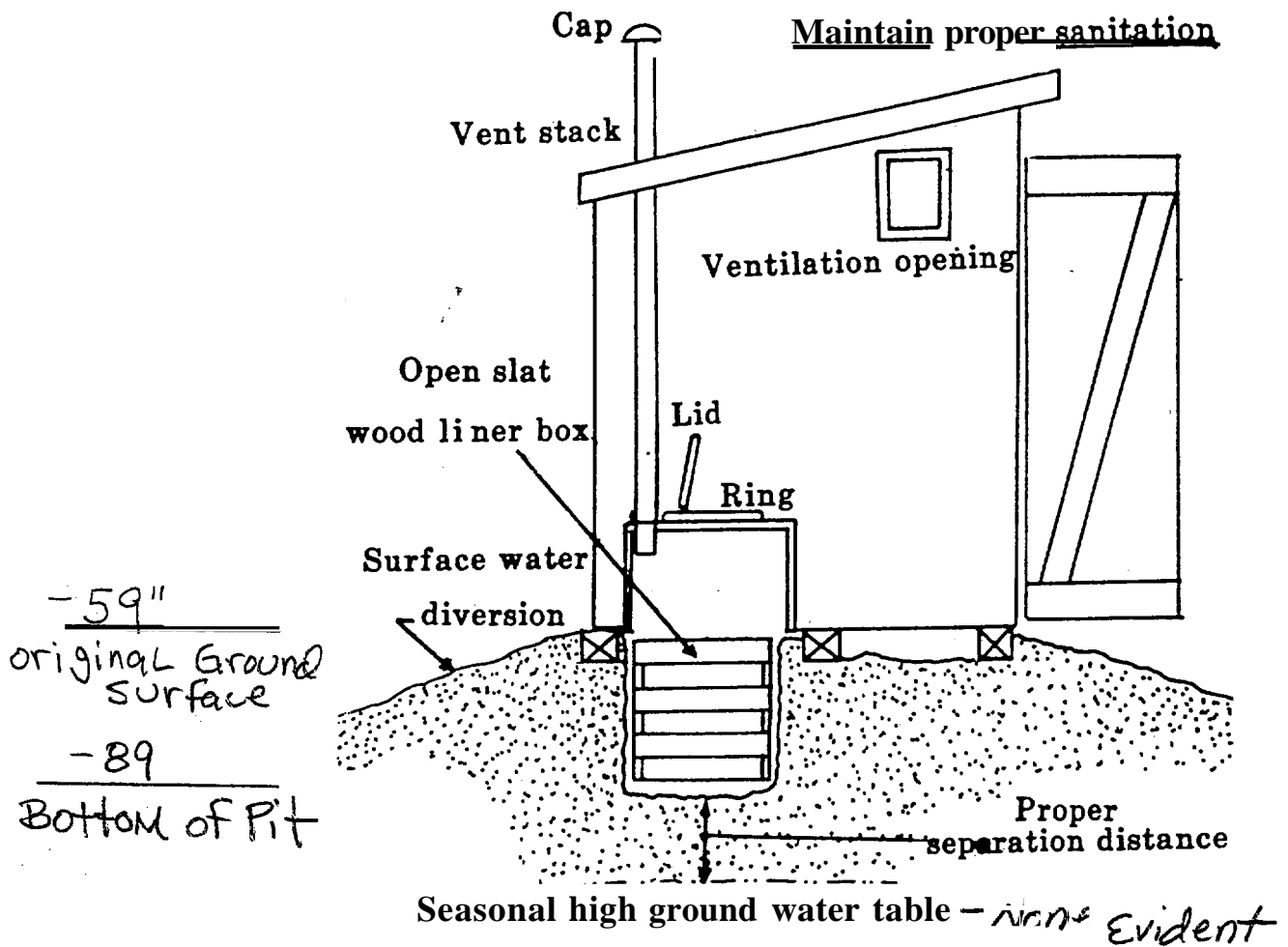
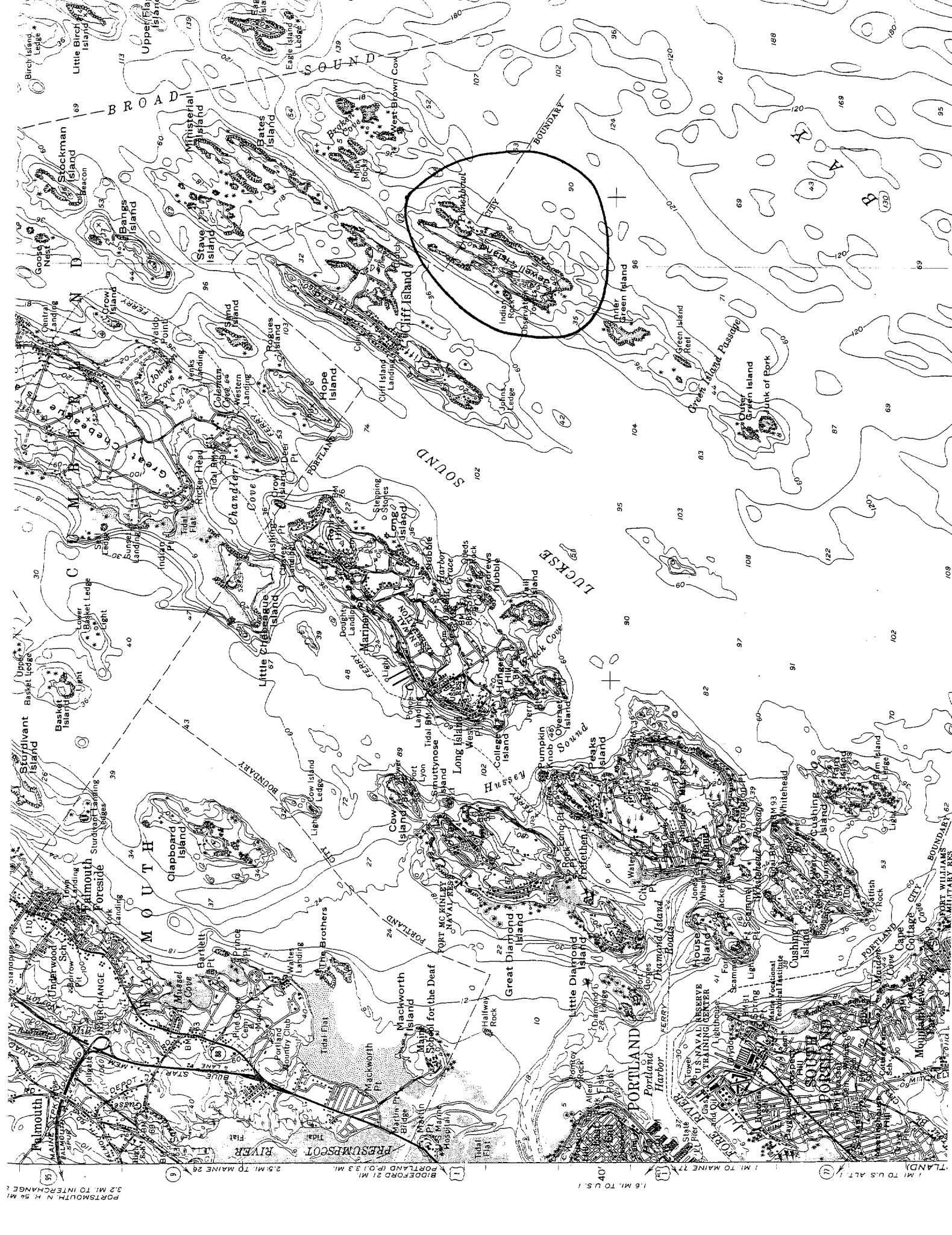


Figure 13-1 Pit Privy



PORTSMOUTH N. H. 5.6 MI.  
1.2 MI. TO INTERCHANGE 1

BIDEFORD 21 MI.  
PORTLAND 12.0 | 3 MI.

1 MI. TO U.S. ALT. 1 (1)

1.6 MI. TO U.S. 1 (2)

1 MI. TO MAINE 25

1 MI. TO MAINE 27

1 MI. TO MAINE 29

1 MI. TO MAINE 31

1 MI. TO MAINE 33

1 MI. TO MAINE 35

1 MI. TO MAINE 37

1 MI. TO MAINE 39

1 MI. TO MAINE 41

1 MI. TO MAINE 43

1 MI. TO MAINE 45

1 MI. TO MAINE 47

1 MI. TO MAINE 49

1 MI. TO MAINE 51

1 MI. TO MAINE 53

1 MI. TO MAINE 55

1 MI. TO MAINE 57

1 MI. TO MAINE 59

1 MI. TO MAINE 61

1 MI. TO MAINE 63

1 MI. TO MAINE 65

1 MI. TO MAINE 67

1 MI. TO MAINE 69

1 MI. TO MAINE 71

1 MI. TO MAINE 73

1 MI. TO MAINE 75

1 MI. TO MAINE 77

1 MI. TO MAINE 79

1 MI. TO MAINE 81

1 MI. TO MAINE 83

1 MI. TO MAINE 85

1 MI. TO MAINE 87

1 MI. TO MAINE 89

1 MI. TO MAINE 91

1 MI. TO MAINE 93

1 MI. TO MAINE 95

1 MI. TO MAINE 97

1 MI. TO MAINE 99

1 MI. TO MAINE 101

1 MI. TO MAINE 103

1 MI. TO MAINE 105

1 MI. TO MAINE 107

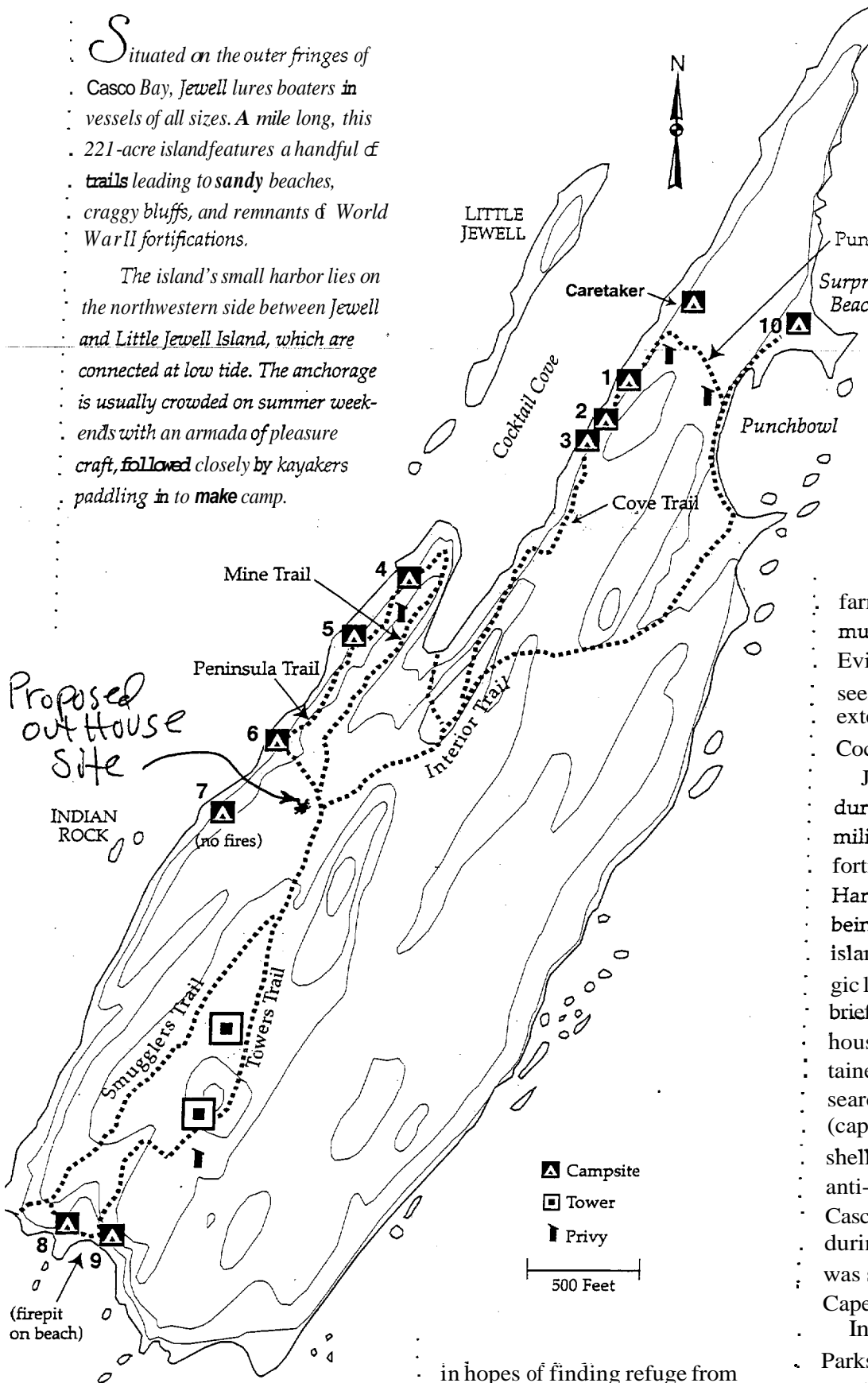
1 MI. TO MAINE 109

1 MI. TO MAINE 111

# Jewell Island

Situated on the outer fringes of Casco Bay, Jewell lures boaters in vessels of all sizes. A mile long, this 221-acre island features a handful of trails leading to sandy beaches, craggy bluffs, and remnants of World War II fortifications.

The island's small harbor lies on the northwestern side between Jewell and Little Jewell Island, which are connected at low tide. The anchorage is usually crowded on summer weekends with an armada of pleasure craft, followed closely by kayakers paddling in to make camp.



farming, and they converted much of the island to pasture. Evidence of agriculture can still be seen in the sparsely forested area extending inland from the head of Cocktail Cove.

Jewell next rose in prominence during World War II, when the military determined that the fortifications protecting Portland Harbor were inadequate. Jewell, being one of the outermost islands, was an important strategic location for defense. For a brief period during WWII, Jewell housed 400 troops who maintained two observation towers, a searchlight, two six-inch guns (capable of firing 100-pound shells 17 miles), and four 90-mm anti-aircraft guns. Although Casco Bay was never threatened during the War, a German U-Boat was sighted between Jewell and Cape Small in June, 1942.

In 1972, Maine's Bureau of Parks and Recreation acquired the southern end of Jewell, and four years later, the State bought the remainder of the island. Jewell has been administered as an undeveloped recreational use island since 1972, and more formally beginning in 1988, when Jewell became one of the first islands on the Maine Island Trail

## History

Although tales of pirate treasure abound, the island is actually named for George Jewell, who reportedly bought the island from local Indians in 1636

in hopes of finding refuge from King Philip's War. However, in 1676, a group of Indians attacked their house, kidnapping several of the inhabitants.

By 1713, peace had returned to Casco Bay. An interesting sequence of settlers attempted to seek their fortune on Jewell