

Maine Island Aquaculture

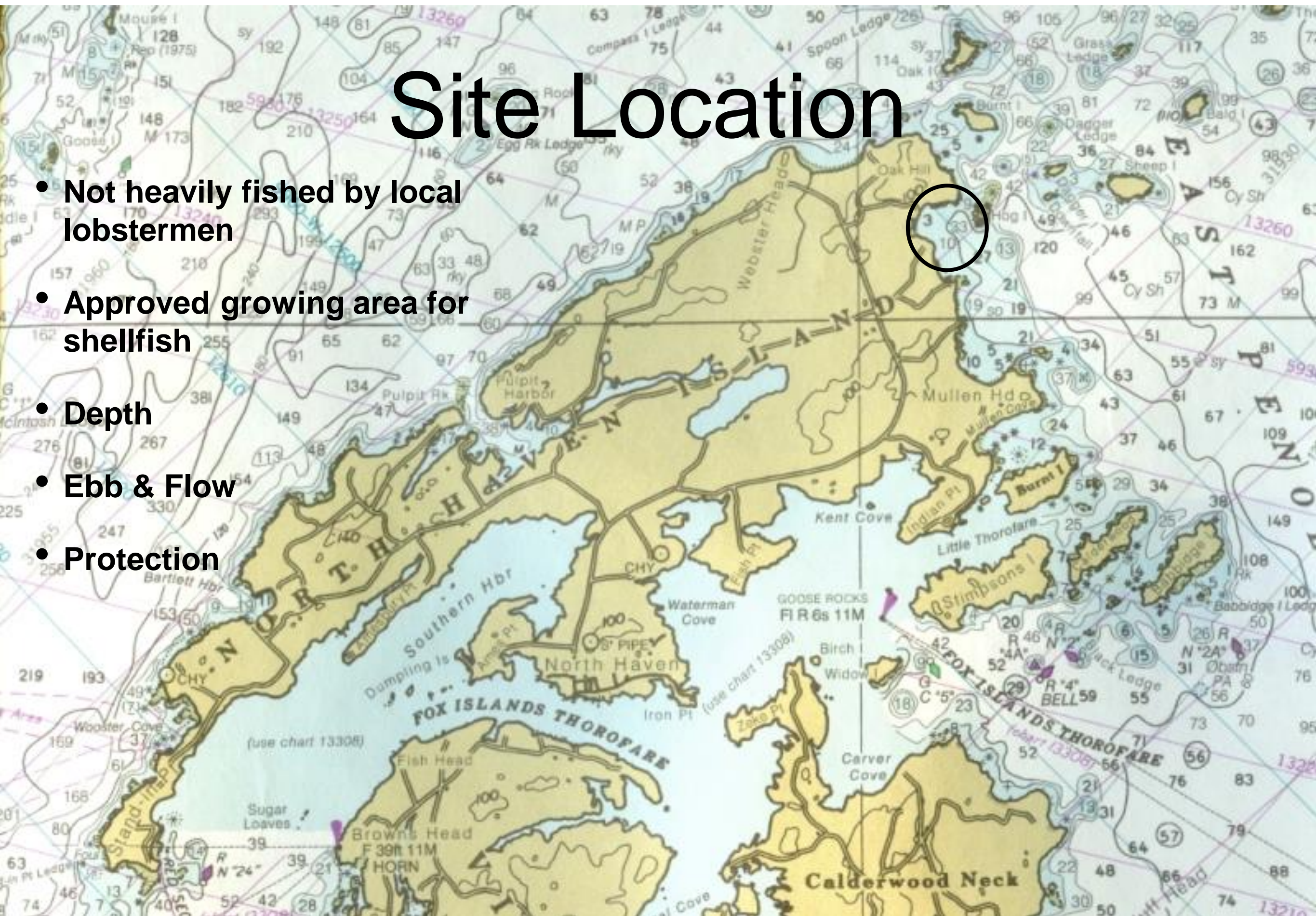
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Site Location

- Not heavily fished by local lobstermen
- Approved growing area for shellfish
- Depth
- Ebb & Flow
- Protection



Riparian Ingress/Egress & Navigation

- Gear is submerged
- Motor and sailboats can travel across lease or around if preferred
- Closest mooring is 370' from site boundary
- 430' corridor in narrowest section between boundary and Hog Island

Fishing & other uses

- Commercial lobster fishing
- Scallop dragging
- Recreational boats coming in and out from their dock or mooring
- Other recreation by cove residents: kayaking, swimming, recreational fishing, water skiing

- **Other Aquaculture uses:** none
- **Existing system support:** we believe if anything we are improving the marine habitat in the cove
- **Public facilities:** The only beaches and docks within 1,000' are privately owned
- **Source of organisms:** local spat collection & seaweed nurseries

- **Lighting:** to date we have not had any permanent lighting, with the exception of a small solar powered mast light per request of landowners, which is in compliance with DMR regulations
- **Visual Impact:** scow is <20' high, no reflective material





Visual Impact: Surface Gear

4 x 800' scallop long lines (year-round)
20 x 800' kelp lines (seasonal)

- **Boundary markers:** 10 yellow buoys (at each corner & every 600' between, per DMR regulations)
- **Interior surface gear:**
 - 8 mooring balls
 - 208 surface buoys across 15 acres (reduced to 28 in the summer)
 - blue, green, or white to the greatest extent possible, while prioritizing safety and being in accordance with DMR, Coast Guard, and Army Corps

*The proposed surface gear has decreased by half since the scoping session

Noise

- Solar panels
- Electric hauler
- Mast & Boom
- Electric sorting machine
- Honda gas generator
- Pressure pump
- Gas or diesel powered motor vessel
- Net washer

Decibel readings

- Normal conversation: 60 dB
- Lawn Mower: 100 dB
- Highest decibel reading at the source of current operations: 80 dB
- Moving 20 ft away: 45 dB

Mitigation

- Solar panels
- Generator & pressure pump located inside shed
- Generator selected for low decibel ratings
- Any diesel engine/future hydraulic systems will be insulated

- Exhibit 2

