

A watercolor illustration of a harbor scene. In the foreground, a large wooden sailing ship is beached on a sandy shore. Several smaller wooden boats are also visible, some beached and others in the water. The background shows more sailing ships with their masts and rigging. The overall style is soft and painterly, with a muted color palette of blues, browns, and greens.

**Coastal And Inland Shipping  
In The Northeast US: A Plan  
For Expanding The Fleet And  
Zero Carbon Shipping.**

Steven Woods







# Limits Of The Plan:

**Great Lakes Exclusive: Each Needs Independent Plan.**

**Covers Only Packet Routes.**

**Tramping Excluded**

**Major And Minor Ports Treated In Paper. Minor Ports  
Excluded Here.**

# The Role Of Tramping

Scouting & Expansion

Filling Gaps

Widening Participation

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# SUGGESTED PACKET ROUTES

Packet Name	Covered Ports Of Call
Hudson River Sail	Hudson-Kingston-Poughkeepsie-Newburgh-Ossining-Tarrytown-NYC
Hudson River Electric	Hudson-Albany-Troy-Waterford-Whitehall
Erie Canal	Waterford-Schenectady-Utica-Syracuse-Rochester-Buffalo
Oswego Canal	Syracuse-Oswego
Finger Lakes	Syracuse-Cayuga-Ithaca-Seneca Lake
Narragansett Bay	Newport-Providence
Gulf Of Maine	Bath-Portland-Portsmouth-Newburyport-Gloucester-Salem-Boston
Lake Champlain	Whitehall-Port Henry-Burlington
Long Island	New York-New Haven-New London-Newport
New Jersey	New York-Carteret-Ocean City-Cape May-Camden



# Suggested Pattern Of Expansion:

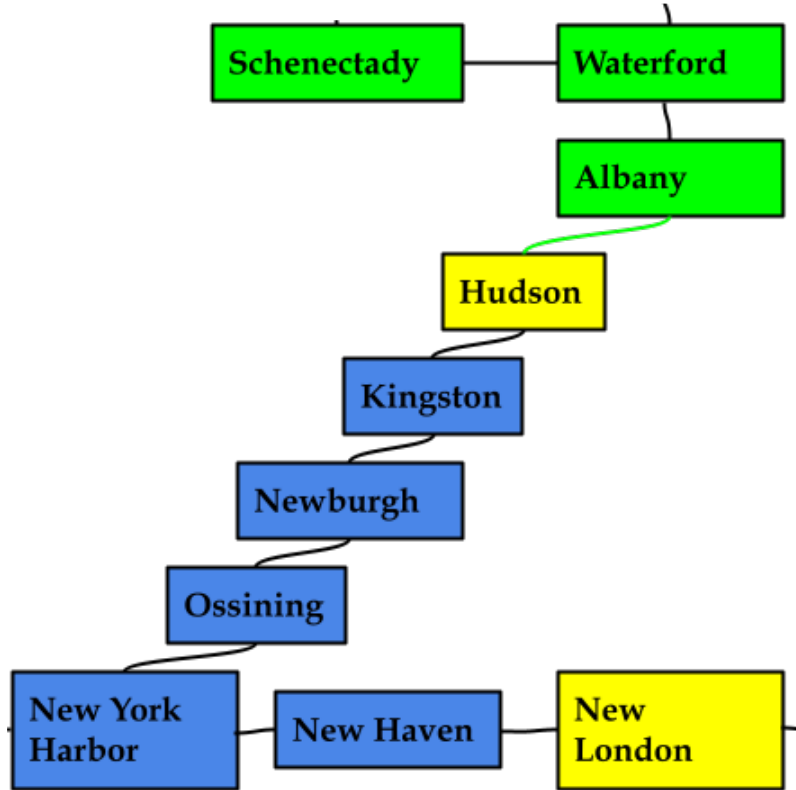
Expansion Date Given As Latest Desirable Expansion.

Sail Ports In Blue, Electric Ports in Green, Junction Ports In Yellow.

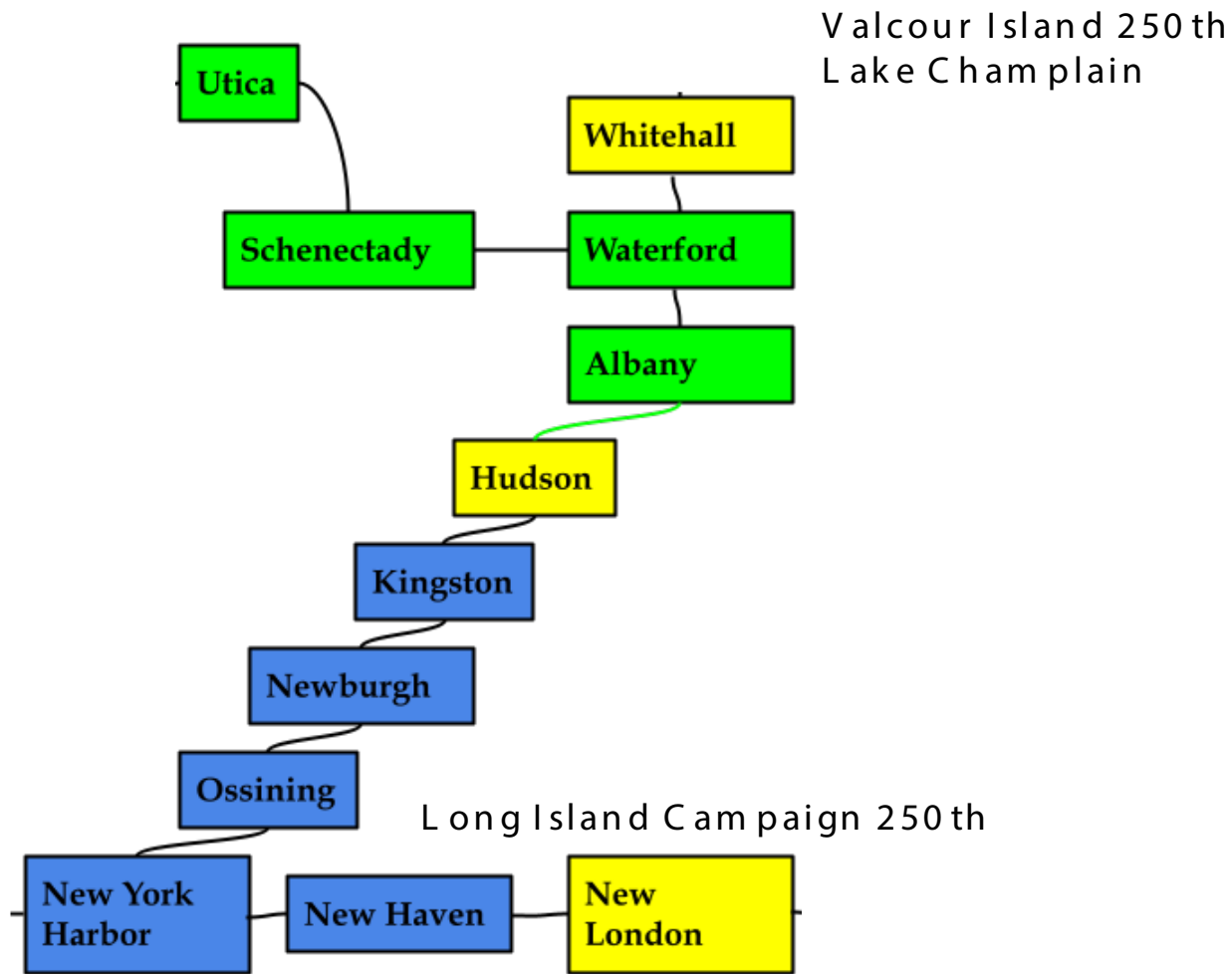
Harbor Depth And Restrictions Given In Paper.

Designed For Mutually Supporting Trade Networks.

# 2025: Erie Canal Bicentennial Celebrations.

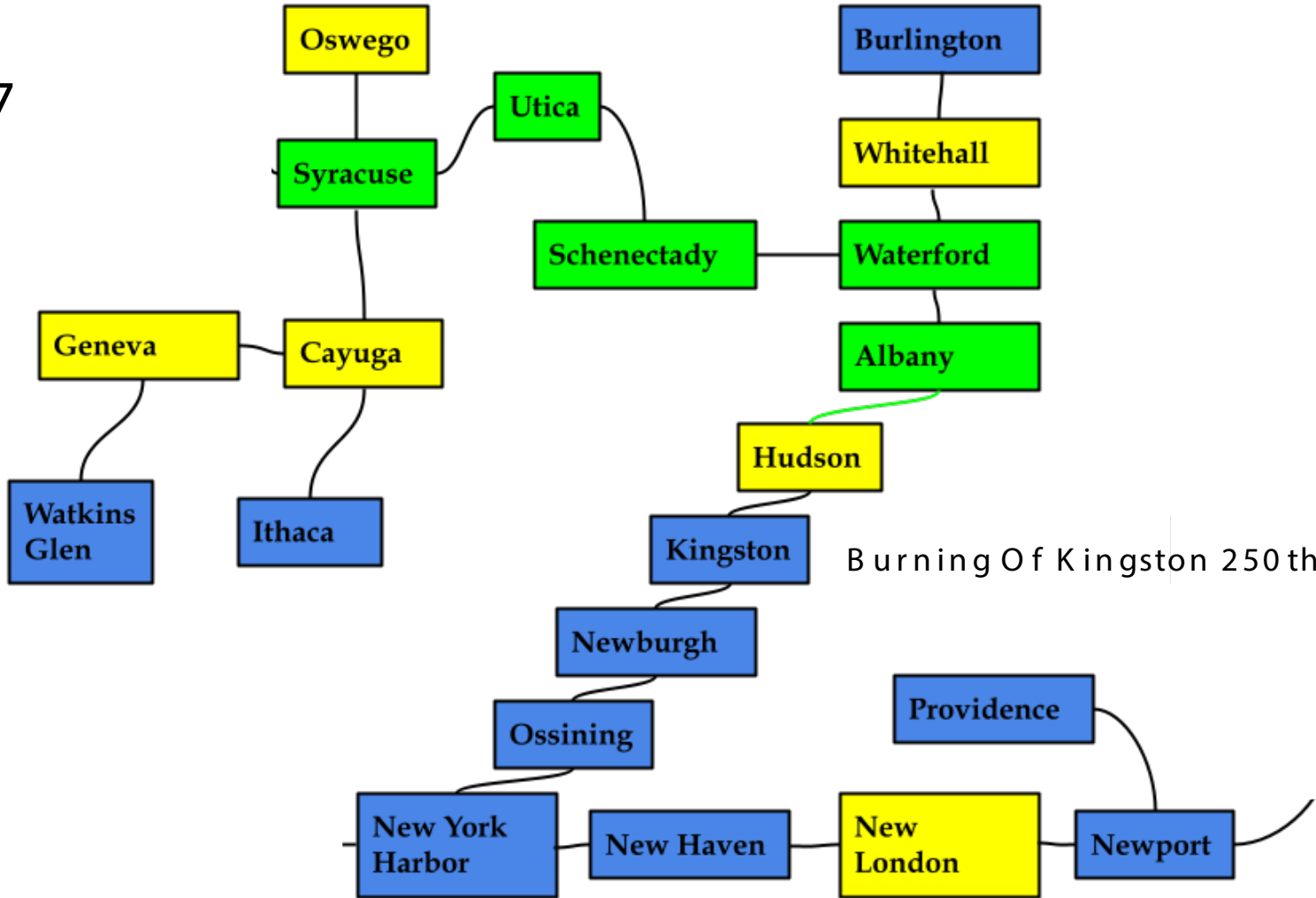


2026:



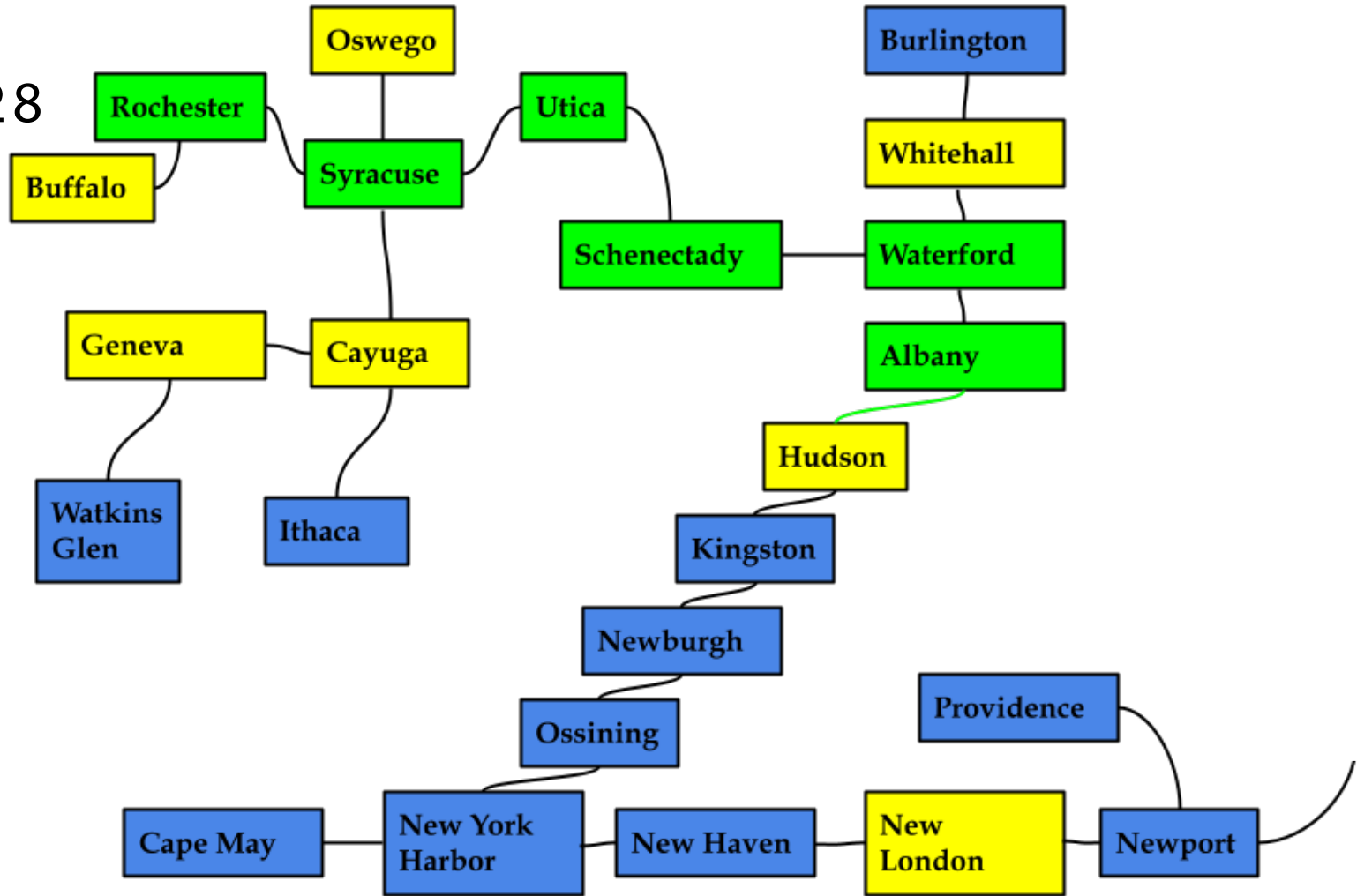


2027

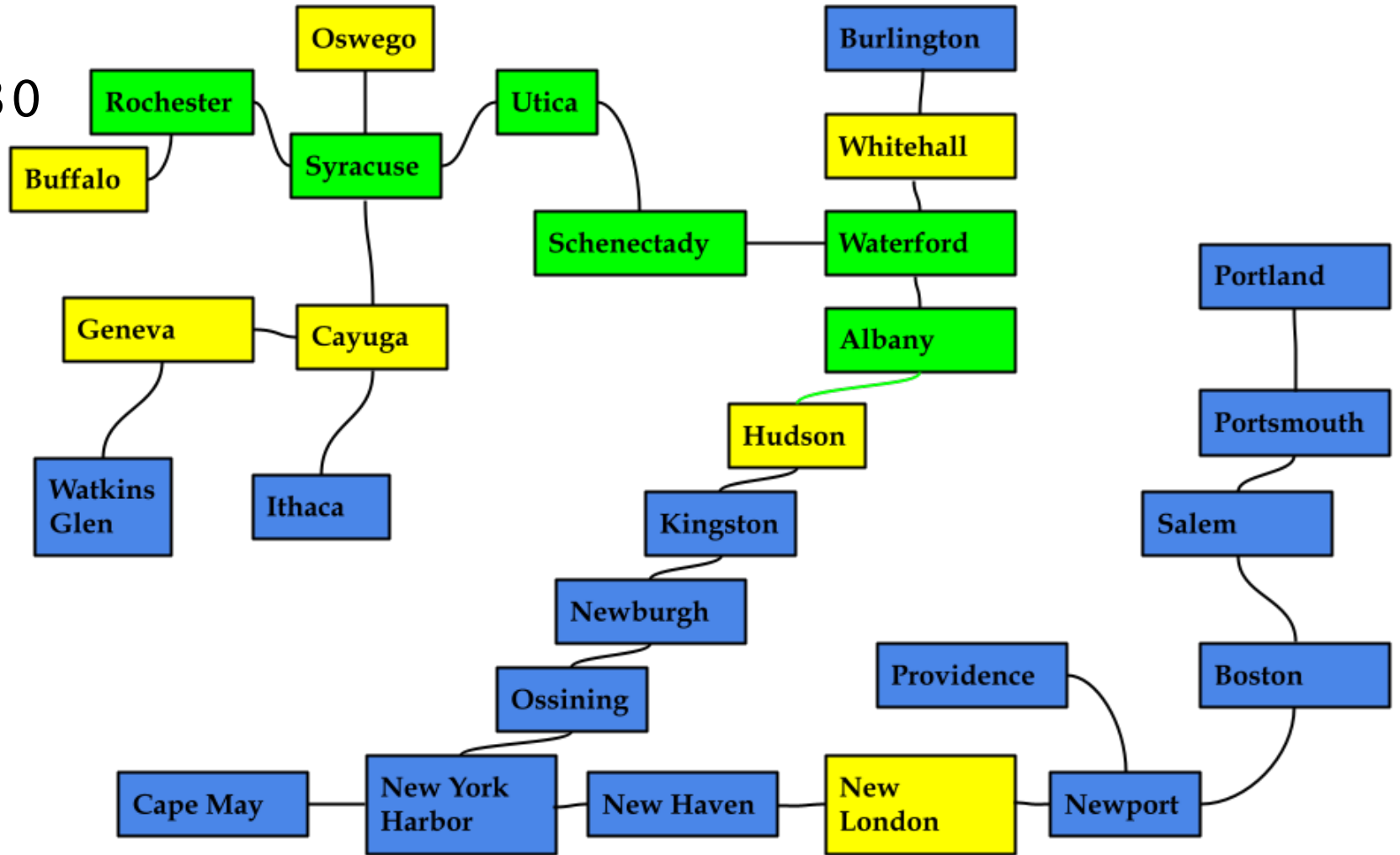


Burning Of Kingston 250th

2028

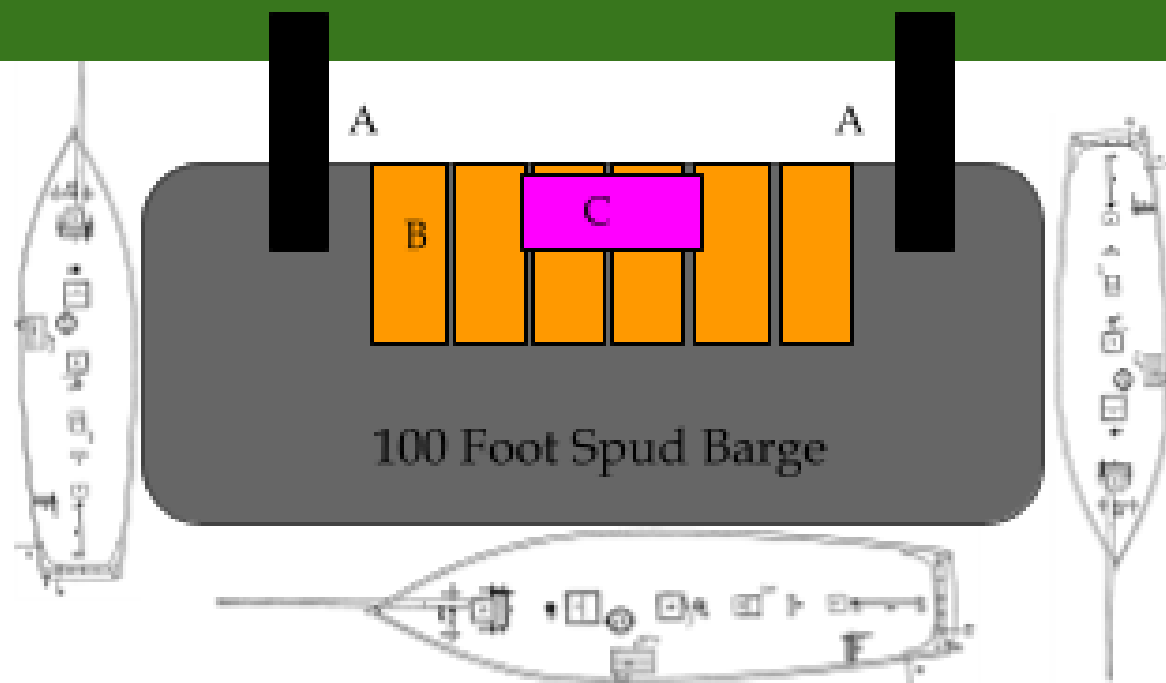


2030





Land Access



### **Proposed Layout Of 100 ft. Spud Barge Depot**

A. Ramps to shore.

B. 20 ft Containers welded to deck.

C. 20 ft Office Container welded on deck above other containers.

# Developments Not Set In Stone

**Expansion Should Trend Toward Developments Instead Of  
Schedule.**

**Small/Low-Capital Vessels Needed For Expansion/Exploration.**

**Large Vessels Necessary For Taking Up The Load As Trade  
Grows.**



# **Additional Concerns:**

**Training Programs Must Be Adequate To Create Labor Pool.**

**Pay Must Be Above Living Wage.**

**Trade Volumes And Cooperation Must Be Primary Focus.**



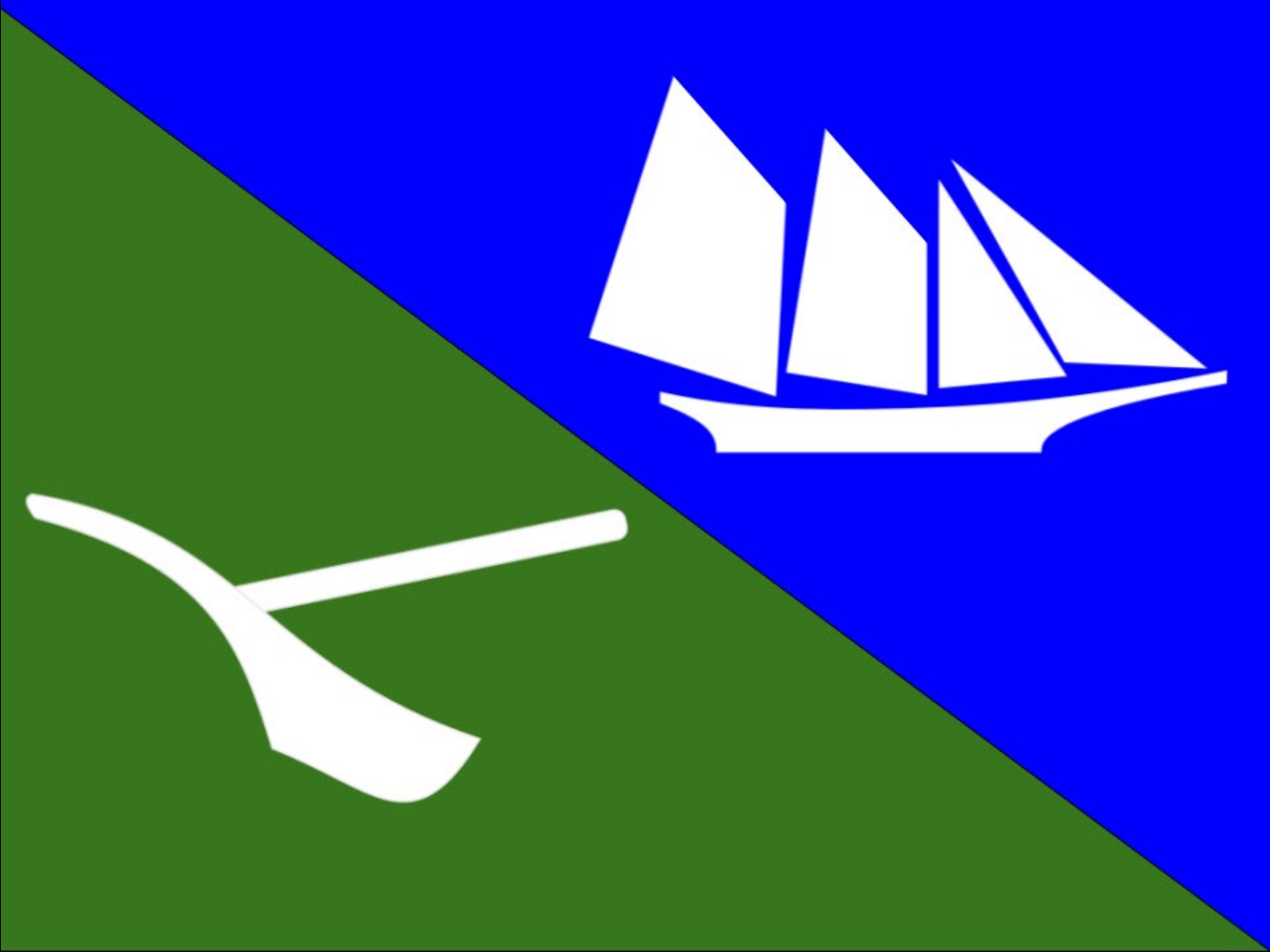
# Extending A Wide Invitation

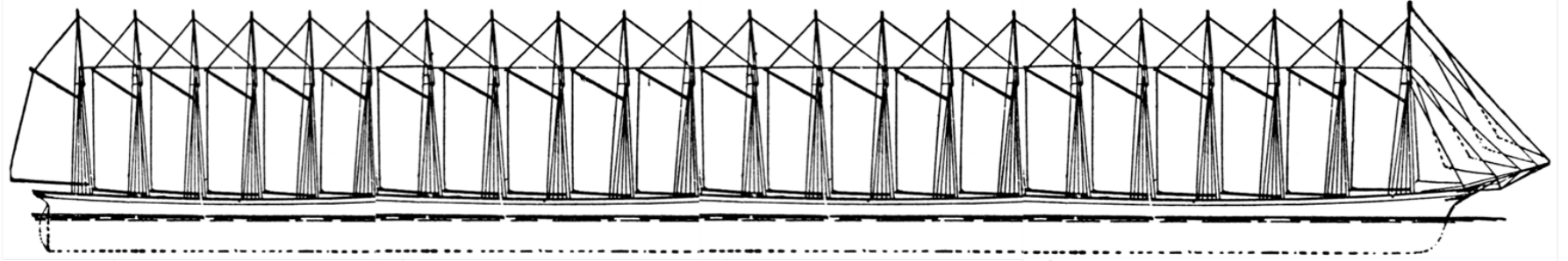
**Not All Participants Need To Be Professionals.**

**Leave Room For Amateurs, CSS, Farmer's Ships, Wildcatting  
In Small Boats.**

**Low-Cost/Low-Capacity/Short Range Vessels Should Be  
Explored.**

**Knowledge Management And Diffusion Is Key To This  
Effort**





**Questions?**