

New Fisheries Research Vessel Stationed in Charlevoix



HISTORY OF THE S/V STEELHEAD



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- Year built 1967 by T. D. Vinette Company, Escanaba, MI
- Length 65'
- Beam 16'
- Draft 6'
- Displacement 70 ton

CURRENT PROBLEMS



**Increased
Operation
Costs**



THINGS TO CONTEMPLATE



■ Fisheries Surveys

- Gear to be used
- Time of year
- Time of day
- Length of surveys
- Distance to be traveled
- New studies or experiments to be considered

■ Vessel Considerations

- Vessel type (12-hour vs 24-hour capabilities)
- Cost to operate
- Fuel consumption estimates and capacity
- Dockage
- Refueling opportunities
- What onboard accommodations are required

RETROFIT VS NEW



\$250,000-New engines to replace original 1968 Cummins engines



\$75,000-Electrical system upgrades



\$50,000 new hydraulic system



\$100,000-updated sampling and assessment gear

\$400,000-Replace hull sheeting



\$150,000-New deck equipment



REPLACEMENT COSTS



Great Lakes Fisheries Vessels: Status of the Fleet and Evaluation of Assessment and Research Needs

September 20, 2001

By

Clifford P. Schneider
New York State Department of Environmental Conservation (Retired)

and

James Peck
Michigan Department of Natural Resources (Retired)

Prepared for the
Council of Lake Committees
Great Lakes Fishery Commission

Table 3. Description of Great Lakes fisheries research and assessment vessel size, age and usage by agencies signatory to SGLFMP.

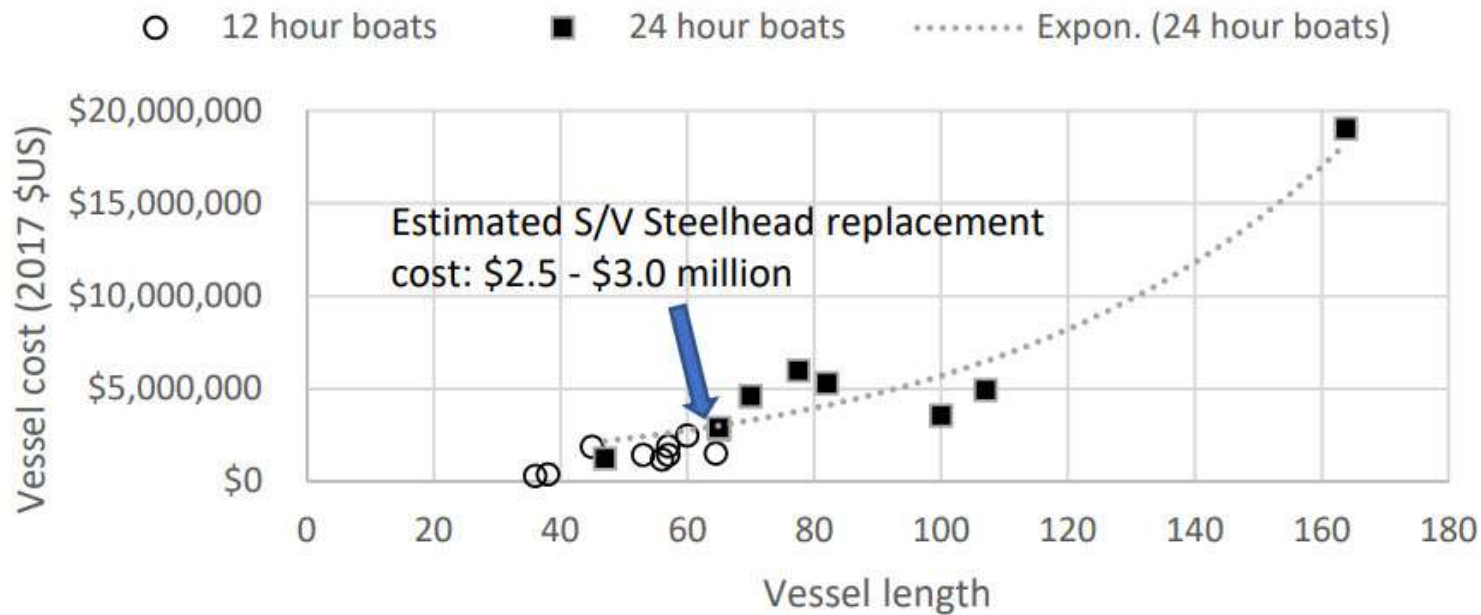
AGENCY-VESSEL	LAKE	LENGTH (ft)	DISPLACEMENT (tons)	AGE	MEETS NEEDS
INDNR					
G. MYKESS	Michigan	36	10	13	YES
CHANNEL CAT					
CHINNOK	Erie	46	26	33	YES
JUDY	Huron	50	26	54	YES
STEELHEAD	Superior	40	20	49	YES
NYSDEC					
ARGO	Michigan	42	36	18	YES
SETH GREEN	Ontario	46	50	16	YES
OHDSR					
EXPLORER	Erie	53	53	1	UNKNOWN
GRANDON	Erie	47	50	10	YES
OMNR					
ATGAMAYG	Huron, Superior	57	75	47	YES
WANDA GOLDIE					
KEENOSAY	Huron	50	35	51	NO
K. H. LOFTUS	Erie	58	88	12	YES
ERIE EXPLORER	Erie	42	27	11	YES
NAMAYCUSH	Erie	62	64	19	YES
STEELCRAFT	Ontario	49	28	47	NO
	Ontario	45	23	56	NO
PFBC					
PERCA	Erie	50	30	42	NO
USEFS					
TOGUE	Upper Lakes	85	175	26	YES
USGS					
GRAYLING	Huron	79	133	24	YES
KABO	Ontario	65	83	40	YES
KIYI	Superior	107	369	2	YES
MUSKY II	Erie	45	27	41	NO
SISCOWET	Michigan	57	43	55	NO
WINDSR					
BARNEY DEVINE	Michigan	50	37	64	YES

The screenshot shows the homepage of the Great Lakes Association of Science Ships. The navigation menu includes Home, News & Events, Ships, Jobs, List Server, Links, Reports & Standards, and a Login/Register option. A main banner features a blue boat icon and text stating: "Great Lakes science vessels work on a freshwater sea of more than 94,000 square miles (243,459 square km) helping scientists, educators and resource managers understand, restore and protect a global treasure." Below this is a "Ship Locator" section with an interactive map of the Great Lakes region. A "Featured News" section highlights "Agenda and Training Information Now Available - 12 Jan 2023 Science Vessel Coordination Workshop" and "R/V Blue Haven - Exploring Lake Superior". A "Featured Science Vessels" section displays a grid of vessel photos with captions: Starford H. Smith (Superior), Inland Seas (Huron, Erie, St. Clair, St. Lawrence), NOAA R/V R/V Brite (Huron), R/VAB (Huron), Lake Guardian (Huron), Agassiz (Superior), Ontario Explorer (Superior), and R/VSD Pelagos (Superior).

COST FOR NEW



Delivery cost of Great Lakes research vessels constructed 1990-2017



SECURE FUNDING



- Do your homework, show there is a need and be patient



- Once funding is secured, create a vessel-build team and get ready to be busy

RESOURCES



- #1 resource is other vessel crews and managers.
- Consider a vessel questionnaire
- Vendors with proven track records
- Try to get to the International Workboat Show



Attendees: +10,000

Vendors: +800