



Dredge *Yaquina*



Christened 1981

*Homeport:
Portland, Ore.*

Specs:

Length	200'
Height (keel to mast)	100'
Beam	58'
Draft, loaded	16'
Propulsion Engines (2)	Tier II MTU 8V4000 M60 1,140 hp each
Pump Engines (2)	Caterpillar D-379 hp each
Max Dredging Depth	55'
Hopper Volume	1,050 cubic yards

Mission: The Dredge *Yaquina* mission is to maintain federal navigation channels in the Pacific Northwest to ensure safety of more than \$18 billion in waterborne commerce. If called upon, the dredge and her crew are also equipped and ready for worldwide deployment.

Designed by: U.S. Army Corps of Engineers

Built by: Norfolk Shipbuilding & Drydock Corp., Norfolk, VA

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Dredge *Essayons*



Christened 1982

*Homeport:
Portland, Ore.*

Specs:

Length	350'
Height (keel to mast)	126'
Beam	68'
Draft, loaded	32'
Max speed	13.8 knots
Propulsion Engines (2)	Caterpillar Tier II C-280-12 Diesel 4,640 hp each
Pump Engines (4)	2 - Tier II C-280 Diesels 4,640 hp each 2 - 600 V KATO Generators 1,650 hp each
Max Dredging Depth	94'
Hopper Volume	6,423 cubic yards

Mission: The Dredge *Essayons* mission is to maintain federal navigation channels in the Pacific Northwest to ensure safety of more than \$18 billion in waterborne commerce.

Designed by: U.S. Army Corps of Engineers

Built by: Bath Iron Works, Bath, Maine

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Survey Vessel *West Mark*



Christened 1995

*Homeport:
Portland, Ore.*

Specs:

Length	27'
Max speed	35 knots
Fuel capacity	100 gallons
Engines	Volvo diesel

Mission: The *West Mark* provides hydrosurvey data to dredging crews who maintain the state's water channels, ensuring the safety of more than \$18 billion in waterborne commerce.

Built by: Almar, Tacoma, Wash.

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Survey Vessel

K.H. Patterson



Christened 2001

*Homeport:
Coos Bay, Ore.*

Specs:

Length	27'
Max speed	35 knots
Fuel capacity	100 gallons
Engines	Honda outboards

Mission: The *K. H. Patterson* provides hydrosurvey data to dredging crews who maintain the state's water channels, ensuring the safety of more than \$18 billion in waterborne commerce.

Built by: Almar, Tacoma, Wash.

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Survey Vessel *Redlinger*

"One of the 10 most
significant boats of 2010."
Workboat Magazine



Christened 2010

*Homeport:
Portland, Ore.*

Specs:

Length	59' 5"
Breadth	23' 6"
Hull depth	9' 2"
Max speed	36 knots
Fuel capacity	1,328 gallons
Engines	MTU Series 60, 825 HP @ 2300 RPM
Propulsion system	Hamilton 403 Jets

Mission: The *Redlinger* provides hydrosurvey data to dredging crews who maintain the state's water channels, ensuring the safety of more than \$18 billion in waterborne commerce.

Designed by: VIKING Fast Craft Solutions LLC
Built by: GEO Shipyard Inc., New Iberia, La.

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2010 USACE Portland District trading card



Survey Vessel *Elton*

"One of the 10 most
significant boats of 2010."
Workboat Magazine



Christened 2010

*Homeport:
Astoria, Ore.*

Specs:

Length	59' 5"
Breadth	23' 6"
Hull depth	9' 2"
Max speed	36 knots
Fuel capacity	1,328 gallons
Engines	MTU Series 60, 825 HP @ 2300 RPM
Propulsion system	Hamilton 403 Jets

Mission: The *Elton* provides hydrosurvey data to dredging crews who maintain the state's water channels, ensuring the safety of more than \$18 billion in waterborne commerce.

Designed by: VIKING Fast Craft Solutions LLC
Built by: GEO Shipyard Inc., New Iberia, La.

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