Dredging Contractors of America
SUPPORTING AMERICA'S PORTS, WATERWAYS, WETLANDS & BEACHES
DCA

Are U.S. Dredges World Class? YES!

U.S. DREDGES ARE CLASSED FOR THE U.S. MARKET

presented by
Barry Holliday
30 May 2012

YES THE U.S. DREDGING INDUSTRY DOES HAVE MODERN DREDGES, WITH WORLD CLASS TECHNOLOGY

US HULLS AND WORLD TECHNOLOGY COMBINED FOR THE U.S. MARKET

- U.S. BUILT
- U.S. OWNED
- U.S. CREWED
- Technology and Design - can be from anywhere!
- Size is predicated on market
- Innovation is borne from requirements – both environmental and operational!

DCA

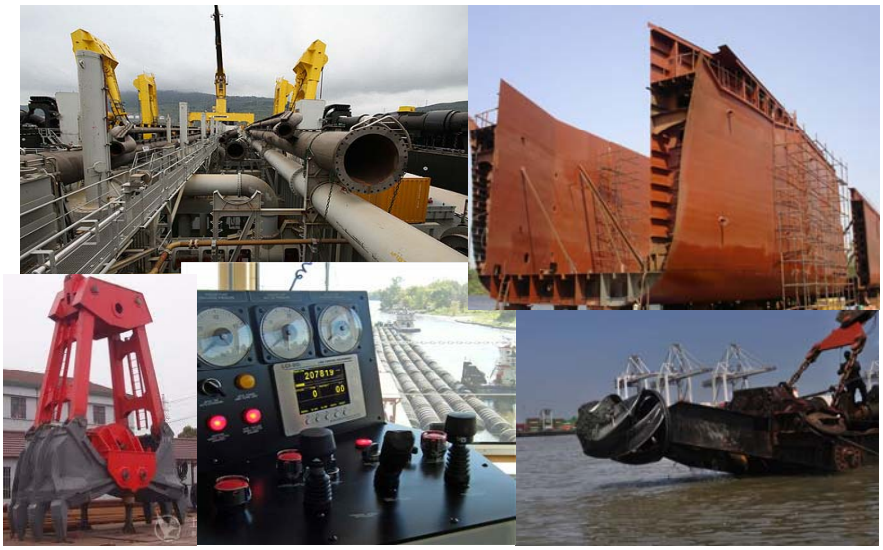
U .S. CLASS DREDGE

Requirements

- Safety
- Projects where dredge will work
- Channel depths, widths
- Currents, weather, waves
- Vessel traffic
- Pumping distance
- Disposal area
- Production
- Capital Investment

DCA

U.S. HULLS, WORLD TECHNOLOGY



BAE Systems Southeast Shipyards Alabama in Mobile, Ala., was awarded a contract to build the 8,500-cu.-yd.-capacity, twin-screw, trailing-suction hopper dredge *MAGDALEN* for Weeks Marine Inc., Cranford, N.J.

The 356'×79' dredge was designed by IHC in The Netherlands. Gibbs & Cox, Arlington, Va., will provide functional engineering and detailed production support.

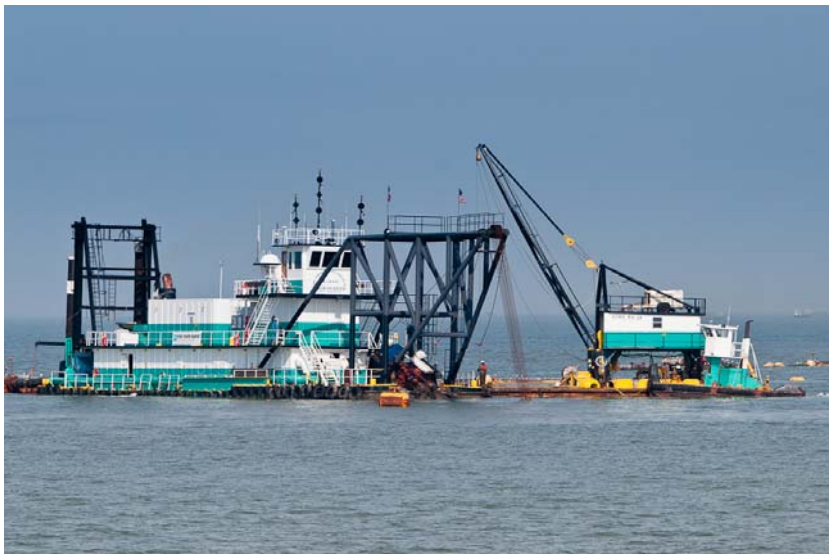
The *MAGDALEN* will be the company's "largest, fastest, most fuel efficient, most powerful pumping, and most highly automated hopper dredge," Weeks said in a press release announcing the contract. It is part of the company's three-year, five-vessel, $200-million-plus capital investment program.

WEEKS MARINE CUTTER SUCTION DREDGE
E.W. ELLEFSEN / CR McCaskill (new!)

MARINEX CONSTRUCTION CUTTER SUCTION DREDGE
SAVANNAH (2010)

COTTRELL CONTRACTING CUTTER SUCTION DREDGE LEXINGTON (2007)

ORION MARINE ELECTRIC CUTTER SUCTION DREDGE WAYMON BOYD (2006)



CASHMAN DREDGING BACKHOE DREDGE CAPTAIN A.J. FOURNIER (2000)

GREAT LAKES DREDGE AND DOCK BACKHOE DREDGE NEW YORK (1999)

Photo: Vince Elias

MANSON CONSTUCTION DERRICK VALHALLA (2000)

CAPITAL SPENDING OF ADDITIONAL DREDGE CAPACITY DEPLOYED IN THE U.S. MARKET (2011)

- **Great Lakes Dredge & Dock Company** recently brought back two of its large cutter suction pipeline dredges (the dredge *Texas* and the dredge *California*) from the Middle East to perform projects in Florida and Louisiana.
- **Manson Construction Company** has invested more than $6 million in equipment improvements and additions.
- **Weeks Marine, Inc.,** in May, announced a $200 million investment program over the next three years, including two new ocean-going dredges: an 8,500 cubic yard (CY) hopper dredge and a 30-inch discharge, hydraulic cutter suction pipeline dredge. Weeks is also repowering three of their existing workhorse dredges, all with Tier II engines. Recent ancillary equipment investments include new idler barges, scows, pipeline and floating boosters.
- **Marinex Construction, Inc.,** in 2010, invested more than $20 million to construct and place in service a 24-inch ABS ocean certified hydraulic cutter suction dredge *Savannah*. Included in this investment is auxiliary equipment for the dredge and a 1200 horsepower (HP) ocean tug. In 2011, Marinex repowered and reconditioned the pipeline dredge *Brunswick*, replacing old engines with new Tier II engines, currently has under construction 3 ABS 100,000 gallon fuel barges, as well as a 140 ft spud barge for the newly repowered *Brunswick*.
- **Cottrell Contracting Corporation** has invested approximately $4 million to totally overhaul one of their 16-inch dredges, build two new twin-screw 40-foot dredge tenders, a new 25-ton derrick, and a 2000 HP 20-inch floating booster.
- **Mike Hooks, Inc.** has recently purchased two Amphibious Excavator Marsh Buggies, 14,000 feet of plastic 30-inch pipe, two Caterpillar bulldozers, and a Manitowoc 3900 Viacon barge-mounted crane.

- **Orion Marine Group** has invested $35 million to expand its operations on the East Coast, and has invested $13 million in capital expenditures to enhance and upgrade their dredging equipment and capacity.
- **Marine Tech, LLC** has invested over $200,000 in upgrades and certifications to a crane barge, and has invested over $500,000 with the purchase of a 12-inch hydraulic dredge, booster pump and pipe.
- The **Luedtke Engineering Company** has purchased/chartered a 14-inch hydraulic dredge *Sue Lyon*, steel discharge pipe and ancillary equipment, an eight CY clamshell crane for the dredge *Wellston*, two 1,800 CY hopper scows, a 2,000 HP tug boat, and a six CY clamshell crane for their *Dredge #12.*
- **L.W. Matteson, Inc.** has purchased 15,000 feet of additional pipeline, two 600 HP tugs, pontoons for pipeline, and constructed additional support barges.
- **Dredge America** has recently made an investment of just over $2 million in new plant and support equipment in anticipation of future dredging work. This includes a 16-inch x 18-inch cutter suction dredge, booster pump, 10,000 feet of 20-inch HDPE plastic discharge line, a tugboat and other support equipment.
- **Ryba Marine Construction Company** purchased two hopper barges, two dump scows and constructed a 16" hydraulic barge unloader.
- **Ellicott Machine Corporation** reports they have delivered five new dredges to four dredging contractors, and are having discussions with two more contractors. Ellicott also reports increases in sales of booster pumps, power barges, and steel pipeline.

This level of investment activity can be sustained only if additional Federal project funding for harbor maintenance and shore protection is forthcoming. Unleashing the Harbor Maintenance Trust Fund is the key to maintaining a modern, efficient, and state-of the-art domestic dredging fleet.

U.S. NAVIGATION PROJECTS – CONSISTENTLY CHALLENGING

- **Complicated mobilizations**
- **Rapid Start-ups**
- **Winter working windows**
- **Industry adaptations with unique support equipment**
- **U.S. Dredges – leaders in Operating Safely**

DCA

U.S. DREDGE TECHNOLOGY - WORLD CLASS R&D

CONTINUOUSLY RESEARCHING, EVALUATING, AND DEVELOPING NEW TOOLS, TECHNOLOGY AND AUTOMATION

- Cutterheads
- Dragheads
- Buckets
- Boosters
- Pump Shells and liners
- Floating hose
- Larger scows
- Spud Carriages

"Most people don't see this because we work in a competitive environment!"

"We don't advertise our innovations, because we need to be low bidder on the next job."

GREAT LAKES DREDGE AND DOCK DRILL BARGE APACHE

U.S. DREDGES ARE "PROJECT SIZED"

U.S. DREDGES – SUSTAINABLE OPERATIONS

U.S. DREDGES – BUILDING & RESTORING WETLANDS

GREAT LAKES DREDGE AND DOCK CUTTER SUCTION DREDGE TEXAS

LOUISIANA BERMS

TOTAL NUMBER OF DIFFERENT BIDDERS FOR FEDERAL DREDGING PROJECTS FY 2007-FY 2011

FY07	FY08	FY09	FY10	FY11
75	68	103	85	84

TOTAL NUMBER OF DIFFERENT AWARDEES FOR FEDERAL DREDGING PROJECTS FY 2007-FY 2011

FY07	FY08	FY09	FY10	FY11
53	49	69	49	51

DCA

195

Different Bidders Since FY 2007

116

Different Awardees Since FY 2007

CONTRACTORS AWARDED FEDERAL PROJECTS FY 2007 - FY 2011

4 H Construction	Cashman Dredging	HCI	Manson Construction	Prock Marine	Sunset Marine/B + B Dredging JV	
A & E General Contractors	Charter Environmental	Healy Tibbitts Builders	Marine Tech	Quigg Bros.	T. McDonald Construction	
A & H Contractors	CJW Construction	Hickey Marine	Marinex Construction	R.E. Staite	T.W. LaQuay	
Affolter Contracting	Coleman Construction	Inland Dredging	Matrix Environmental	RDA Construction	Tarraf Construction	
AGM Marine Contractors	Cottrell Contracting	Inner Space Services	McLean Contracting	RLB Contracting	Terry Contracting & Materials	
Ahtna Engineering Services	DD-M Crane & Rigging	Integrated Pro Services	McTech Corporation	Robinson Contracting	The King Company	
AIS Construction	DonJon Marine	J.E. McAmis	Mike Hooks	Roen Salvage	TL Enterprises	
All American Concrete	Dutra Dredging	J.F. Brennan	NALCO	Ross Island Sand & Gravel	Trade West Construction	
American Construction	ENCO Dredging	JND Thomas	Nehalem River Dredging	Roy D. Garren	Underwater Earth Movers	
Andrie	Energy Resources	Kiewit Infrastructure	Newborn Construction	Ryba Marine Construction	Village Dock	
B + B Dredging	Faust Corporation	King Fisher Marine	Newt Marine	SAF	Vortex Marine	
Barnegat Bay Dredging	Garner Services	L&S Industrial & Marine	Norfolk Dredging	Salmons	W3 Marine	
Bayshore Contractors	General Construction	L.W. Matteson	Northeast Dredging	Select Transportation	Weeks Marine	
Bean Stuyvesant	George Gradel	Lindstrom Excavating	Northern Wings Repair	Southern Delta Construction	Western Contracting	
Bertucci Contracting	Goodloe Marine	Luedtke Engineering	Paul Howard Construction	Southern Dredging	Western Marine	
Big River Construction	GovCon	Luhr Brothers	Perrello	Southwind Construction	Whit Williams	
Bruch & Bruch Construction	Graham Construction	M.C.M. Marine	Persaud Companies	Stuyvesant		
Burnham Associates	Great Lakes Dock & Materials	Madison Coal & Supply	Pine Bluff Sand and Gravel	Subaqueous Services		
Byrant's Land & Development	Great Lakes Dredge & Dock	Malcolm Marine	Portable Barge Service	Sunflower Enterprises		
Callan Marine	Gulf Sand & Gravel	Manson / Dutra JV	Portable Hydraulic Dredging	Sunset Marine		

DCA

A DIVERSE AND ROBUST
U.S. CLASS
AMERICAN DREDGE INDUSTRY
SUPPORTS OUR
NATIONAL SECURITY
HOMELAND SECURITY
ECONOMIC SECURITY

ARE U.S. DREDGES WORLD CLASS?

U.S. DREDGES ARE CLASSED FOR THE U.S. MARKET

YES!!