

Delegal Creek Marina
1 Marina Drive
The Landings, Savannah, GA 31411
Paul Kurilla, Sean Burgess
912-598-5500 ext 1

Application:

Remove silt, sand, and sediment from 74 boat slips in a private marina.

Special challenges:

Avoid disturbing the docks and avoid obstacles.
Dredging takes place in a saltwater tidal environment.

Additional purpose:

Meet EPA cleanup requirements



Rotomite-SD110 for Shallow Draft Dredging

Standard Dredge Features and Capabilities

- 20-foot aluminum, urethane foam-filled, internally reinforced pontoons
- 110 HP diesel engine to power the cutterhead and pump
- 60 HP outboard engine for propulsion and steering, engine enclosure
- Chrome carbide pump for enhanced abrasion resistance
- Operator's canopy
- 6 inch discharge tubing
- Integral lifting eyes
- Estimated dredge weight 6,500 pounds
- 4 inch severe duty 85 HP, submersible, variable speed, hydraulic pump with dual mechanical seal bearing frame, 6" quick coupler discharge
- Cobra cutterhead/auger assembly directly mounted to pump intake; dual hydraulic auger drive motors,
- 11,000 inch-pounds of digging torque
- Overall dredge dimension – 20 foot length, 8.5 foot width, 1.5 foot draft
- 10 hour diesel fuel capacity
- 24 gallon fuel capacity for outboard engine
- Aluminum frame construction, canvas cover, steering wheel and hydraulic control levers, foam-cushioned, vinyl fabric-backed covered operator's seat, adjustable height with an optional feature included of stand/sit fully adjustable seat.
- Mechanical depth indicator

Optional custom features selected by customer

- Operator's station with custom ergonomic realignment of controls per drawing by Paul Kurilla of the Landings
- Dredge depth increased to 12 feet
- Dredge sludge pump volute/case constructed of chrome carbide overlay plate
- Cathodic protection (Zinc Anodes) and a rust preventative coating beneath the dredge's epoxy paint
- All fittings of stainless steel and/or aluminum to resist corrosion
- Unit coated with Amerlock 400 (base coat) and Amercoat (top coat).
- Cutterhead shroud and drive couplers are stainless steel; auger tube, motors and tines are steel coated with Amerlock 400 and Amercoat.
- Sound reducing panels with a target of 87 dB or less from 200 feet distance
- Set up for traverse winch were guides at the end of the platform. The customer provided his own traverse winch
- A belly pan below the platform/engine compartment to prevent salt water contact with the diesel engine

IMAGES:

ABOVE: Front view of Rotomite-SD110, showing cutterhead, and Operator's air-conditioned cab.

LOWER LEFT: SRS Crisafulli Rotomite-SD110 shallow draft dredge at The Landings. Note open water beyond the marina.

LOWER RIGHT: Rotomite-SD110 dredge with optional heated, air-conditioned Operator's cab, hanging from SRS Crisafulli's 30-ton crane at Factory.



Talk To Our Sales Engineers About The Best Solution For Your Dredging Needs

SRS Crisafulli, Inc., 1610 Crisafulli Drive, P.O. Box 1051, Glendive, Montana 59330
USA Toll free: 888.817.7011 • E-mail: srsc@crisafulli.com

www.crisafullipumps.com