



# Bath Iron Works Sinking Basin Maintenance Dredging

## BATH, MAINE

Cashman Dredging was contracted to dredge and then dispose of 48,000 cubic yards of dredge spoils from the Bath Iron Works (BIW) dry-dock sinking basin. BIW is a major shipyard that builds private, commercial and military vessels, most of which have been ordered by the U.S. Navy. BIW has been a subsidiary of General Dynamics (GD) since 1995. Cashman has completed several dredging projects at this important shipbuilding site.

### PROJECT HIGHLIGHTS

- The sinking basin was dredged to -70 feet plus one foot of allowable overdredge. Dredged material was placed at the in-river disposal site at Bluff Head, ~2.5 nautical miles downstream on the Kennebec River, utilizing the split hull dump scow *Joe Verrochi*.
- The Kennebec River has swift currents and tide variations of up to 10 feet. Due to the depth of the project and river conditions, Cashman's dredge *Icarus*, formerly known as *F.J. Belesimo* operated on wires and anchors as ice buildup behind the dredge created a substantial amount of extra weight causing anchors to slide.
- The river ice during this project created a number of additional problems including closing the scow after disposal on large chunks of ice; ice floating up and downstream made it impossible to survey on a number of days; destroying tide boards; and risk of damaging the survey boat hull.
- The project was completed ahead of schedule despite the challenging weather conditions.

Location:	Bath Iron Works (BIW)
Contractor:	Cashman Dredging & Marine Contracting Co., LLC
Contract Dates:	March 2017 - May 2017
Dollar Value:	\$2.0 Million
Awarding Authority / Owner:	Bath Iron Works / General Dynamics
Contractor Contact / Details:	Pamela Everett, GD 207.442.1086

A \$5,000 donation was made to the Maine Maritime Museum in appreciation of their letting Cashman Dredging use their dock for crew change and parking.

