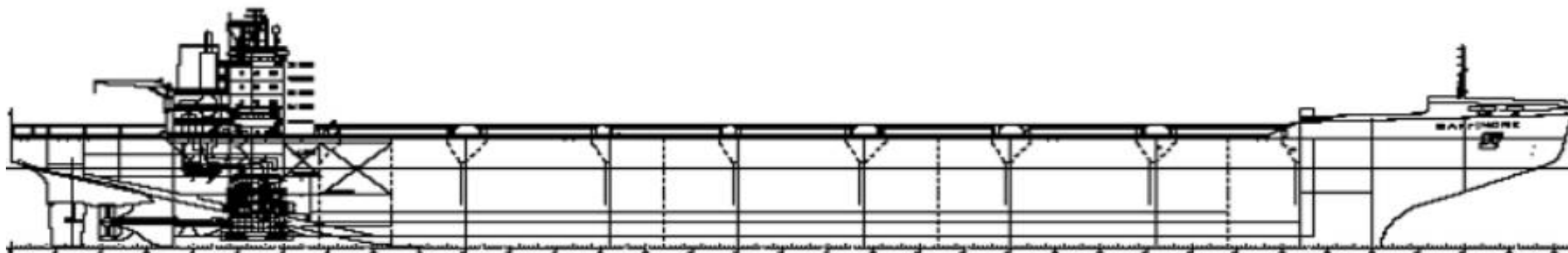
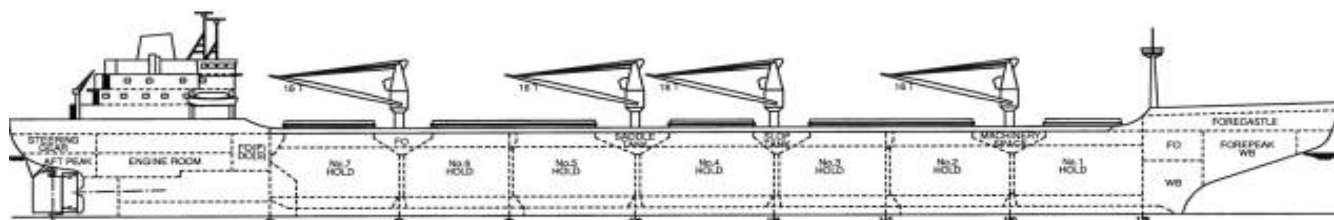


Proposed 135,000 DWT Capacity Ice-breaker



28,000 DWT Capacity MV Arctic (Owned and Operated by Fednav)



	<i>Mary River</i>	<i>MV Arctic</i>	<i>Difference</i>
Length Overall (m)	310.0	220.8	140%
Beam (m)	46.0	22.9	101%
Depth (m)	24.0	15.2	58%
Draft (m)	17.8	11.5	55%
Displacement (mt)	180,000	41,300	336%
Deadweight (mt)	135,000	28,500	374%



MARY RIVER PROJECT

ICE BREAKING ORE CARRIER CONCEPTUAL DESIGN

Knight Piésold
CONSULTING

P/A NO. NB102-00181/11	REF. NB08-00149	REV. 0
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FIGURE 4.7