



# Magone Marine Service, Inc.

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TO: Unified Command

ATTN: Captain Mark Hamilton, Captain of the Port Sector Anchorage

RE: F/V MARGUN vessel recovery blasting plan

Gentlemen,

As we have begun pulling the MARGUN from its strand on the north side of St. George Island I have been watching the rock formations to seaward of its position and feel that one formation in particular poses a serious threat of hull damage to the MARGUN.

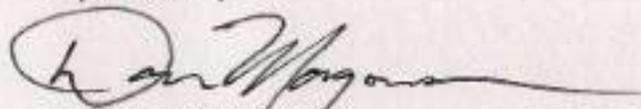
The formation is a pointed round spire of bedrock approximately 6 feet across at the base and 4 or 5 feet tall. At this time the formation is even with MARGUN's transom and approximately 8 feet to seaward. If in the course of pulling the MARGUN out it drags over this projection it is sure to puncture the hull especially if there is any wave action.

I propose blasting this rock by using divers to drill three holes into its base each being loaded with 2 each 1/3<sup>rd</sup> "Kine Stick" cartridges for a total of six 1/3<sup>rd</sup> cartridges or two pounds total explosives. "Kine Stick" is a two part product consisting of fine ammonium nitrate powder and nitro methane as a sensitizer that when mixed produces a high explosive with a detonation velocity of 20,100 fps and a pressure of 121 KB. The three charges would be connected with 10' of 50 grain detonating cord which would be connected to the electric detonator with 20' of 25 grain cord. Initiation of the blast will be done from the MARGUN.

The obvious concerns for this kind of operation have to do with wildlife in the area particularly marine mammals so the blasting site and vicinity will have to be monitored prior to blasting. I am proposing the positioning of watch keepers on the bluffs adjacent to the site to monitor the presence of marine mammals in the area. When preparations for the blast are complete but prior to tying in the electric detonator the watch keepers on the bluffs will be notified by VHF radio and asked if marine mammals are present. When all watch keepers report negative sightings onsite personnel will move to cover and the final warning will be given by air horn and the blast will be initiated. Following the blast an all clear will be give by air horn as per standard blasting protocol.

I look forward to input from all concerned parties to fine tune this plan, thanks for your help.

At your service,



Dan Magone, President  
Magone Marine Service, Inc.