VIMS Shoreline Permit Application Report # 01-0690

APPLICANT: METRO MACHINE CORPORATION
Immediate Waterway: Elizabeth River
Locality: CITY OF NORFOLK
Purpose: Commercial Construction, Improve Navigation
Application Type: Subaqueous
Site Inspection: 5/10/01
Report Date: 5/14/01

Type of Activity

<table>
<thead>
<tr>
<th></th>
<th>Proposed Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Structure (ft²)</td>
<td>125742</td>
</tr>
<tr>
<td>Impact Subaqueous Bottom (ft²)</td>
<td>125742</td>
</tr>
<tr>
<td>Fill Subaqueous Bottom (ft²)</td>
<td>5167</td>
</tr>
<tr>
<td>New Dredging (yd³)</td>
<td>147300</td>
</tr>
<tr>
<td>Impact Subaqueous Bottom (ft²)</td>
<td>170161</td>
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<tr>
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<th>Project Location</th>
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<tbody>
<tr>
<td>Total Impacts (ft²)</td>
<td>295903</td>
</tr>
<tr>
<td>Total Impacts (Wetlands)</td>
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<tr>
<td>Total Impacts (Subaqueous)</td>
<td>295903</td>
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<tr>
<td>Total Impacts (Beach/Dune)</td>
<td>0</td>
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<tr>
<td>Total Fill (ft²)</td>
<td>5167</td>
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City of Norfolk
NOTICE

The Virginia Institute of Marine Science (VIMS) is aware that regulatory or administrative bodies who weigh the overall potential public and private benefits and detriments in arriving at decisions must also consider other factors such as economics, aesthetics, zoning, or community desires. INFORMATION PROVIDED IN THIS REPORT IS, THEREFORE, ONLY THE ENVIRONMENTAL AND MARINE RESOURCES INPUT INTO THE DECISION MAKING PROCESS.

This assessment is based on biological, chemical, geological, and physical factors affecting the marine environment at and in the vicinity of the proposed activity. Parameters of the marine environment which may influence recreational, commercial, or industrial activities which are dependent on the marine environment are also considered where applicable.

Comments:

We have reviewed this application from a marine environmental perspective and it is our opinion that the individual and cumulative adverse impact to water quality resulting from the proposed dredging will be temporary and is unlikely to result in any long term adverse effect given this portion of the Elizabeth River’s commitment to shipbuilding and repair.

David L. O’Brien
Marine Scientist
Hydrologic units represent smaller, isolated watersheds defined by topography and flow direction. These units can be thought of as insulated ecosystems or landscapes within which resources can be managed at a larger scale. The cumulative impact of a project to resources within a hydrologic unit may be significantly greater than the impact to the larger watershed above.
Permit Site Study Area

City of Norfolk
LOWER JAMES RIVER (TIDAL)
Elizabeth River

Tidal Marsh Inventory - TMI
- Arrow Arum-Pickerelweed
- Big Cordgrass
- Black Needlerush
- Brackish Water Mixed
- Cattail
- Freshwater Mixed
- Reed Grass
- Saltbush
- Saltmeadow
- Saltmarsh Cordgrass
- Yellow Pond Lily

Roads
- Primary
- Secondary
- Tertiary

Open water

Locality boundaries
- Lower James River (Tidal) watershed

Project site

N 0 0.5 1 Miles
To Wetlands Board: Please indicate Wetlands Board action on this sheet and return to VIMS

Application Number: 01-0690
Name: Metro Machine Corporation
Locality: City of Norfolk
Waterway: Elizabeth River

Please check here if this application was approved as proposed ____
Complete the form below if the application was modified.

ACTIVITIES

<table>
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Comments: __________________________________________________________________________________
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Certified by: __________________________________________