

# ENF Environmental Notification Form

<i>For Office Use Only</i> Executive Office of Environmental Affairs	
EOEA No.:	<u>13732</u>
MEPA Analyst:	<u>BRIONY AUGUS</u>
Phone: 617-626-	<u>1029</u>

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: <b>UMASS/Savin Hill Cove Channel Dredging</b>		
Street: <b>100 Morrissey Boulevard</b>		
Municipality: <b>Boston, MA 02125-3393</b>	Watershed:	
Universal Transverse Mercator Coordinates:	Latitude: <b>42° 18' 39"</b> Longitude: <b>71° 02' 25"</b>	
Estimated commencement date: <b>2006</b>	Estimated completion date: <b>2006</b>	
Approximate cost: <b>\$570,000</b>	Status of project design: <b>75</b>	%complete
Proponent: <b>University of Massachusetts, Boston Campus</b>		
Street: <b>100 Morrissey Boulevard</b>		
Municipality: <b>Boston</b>	State: <b>MA</b>	Zip Code: <b>02125-3393</b>
Name of Contact Person From Whom Copies of this ENF May Be Obtained:		
<b>Joseph Hanlon</b>		
Firm/Agency: <b>Bourne Consulting Engineering</b>	Street: <b>184 West Central Street</b>	
Municipality: <b>Franklin</b>	State: <b>MA</b>	Zip Code: <b>02038</b>
Phone: <b>508-528-8133</b>	Fax: <b>508-520-6671</b>	E-mail: <b>joe@bournece.com</b>

Has this project been filed with MEPA before?  
 Yes (EOEA No. \_\_\_\_\_)  No

Has any project on this site been filed with MEPA before?  
 Yes (EOEA No. \_\_\_\_\_)  No

Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:  
 a Single EIR? (see 301 CMR 11.06(8))  Yes  No  
 a Special Review Procedure? (see 301 CMR 11.09)  Yes  No  
 a Waiver of mandatory EIR? (see 301 CMR 11.11)  Yes  No  
 a Phase I Waiver? (see 301 CMR 11.11)  Yes  No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): \_\_\_\_\_

Are you requesting coordinated review with any other federal, state, regional, or local agency?  
 Yes (Specify \_\_\_\_\_)  No

List Local or Federal Permits and Approvals: Order of Conditions, USACE Category II

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- |                                 |                                       |  |
|---------------------------------|---------------------------------------|--|
| <input type="checkbox"/> Land   | <input type="checkbox"/> Rare Species | <input checked="" type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water  | <input type="checkbox"/> Wastewater   | <input type="checkbox"/> Transportation                              |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air          | <input type="checkbox"/> Solid & Hazardous Waste                     |
| <input type="checkbox"/> ACEC   | <input type="checkbox"/> Regulations  | <input type="checkbox"/> Historical & Archaeological Resources       |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
<b>LAND</b>				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input checked="" type="checkbox"/> Chapter 91 License <input checked="" type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval  <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input type="checkbox"/> Other Permits (including Legislative Approvals) – Specify:
Total site acreage	175 acres			
New acres of land altered		0		
Acres of impervious area	NA	0	NA	
Square feet of new bordering vegetated wetlands alteration		NA		
Square feet of new other wetland alteration		204,824		
Acres of new non-water dependent use of tidelands or waterways		0		
<b>STRUCTURES</b>				
Gross square footage				
Number of housing units	NA	NA	NA	
Maximum height (in feet)	NA	NA	NA	
<b>TRANSPORTATION</b>				
Vehicle trips per day	NA	NA	NA	
Parking spaces	NA	NA	NA	
<b>WASTEWATER</b>				
Gallons/day (GPD) of water use	NA	NA	NA	
GPD water withdrawal	NA	NA	NA	
GPD wastewater generation/treatment	NA	NA	NA	
Length of water/sewer mains (in miles)	NA	NA	NA	

**CONSERVATION LAND:** Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

- Yes (Specify \_\_\_\_\_)  No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

- Yes (Specify \_\_\_\_\_)  No

**RARE SPECIES:** Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify \_\_\_\_\_ )  No

**HISTORICAL / ARCHAEOLOGICAL RESOURCES:** Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify \_\_\_\_\_ )  No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify \_\_\_\_\_ )  No

**AREAS OF CRITICAL ENVIRONMENTAL CONCERN:** Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify \_\_\_\_\_ )  No

**PROJECT DESCRIPTION:** The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (You may attach one additional page, if necessary.)

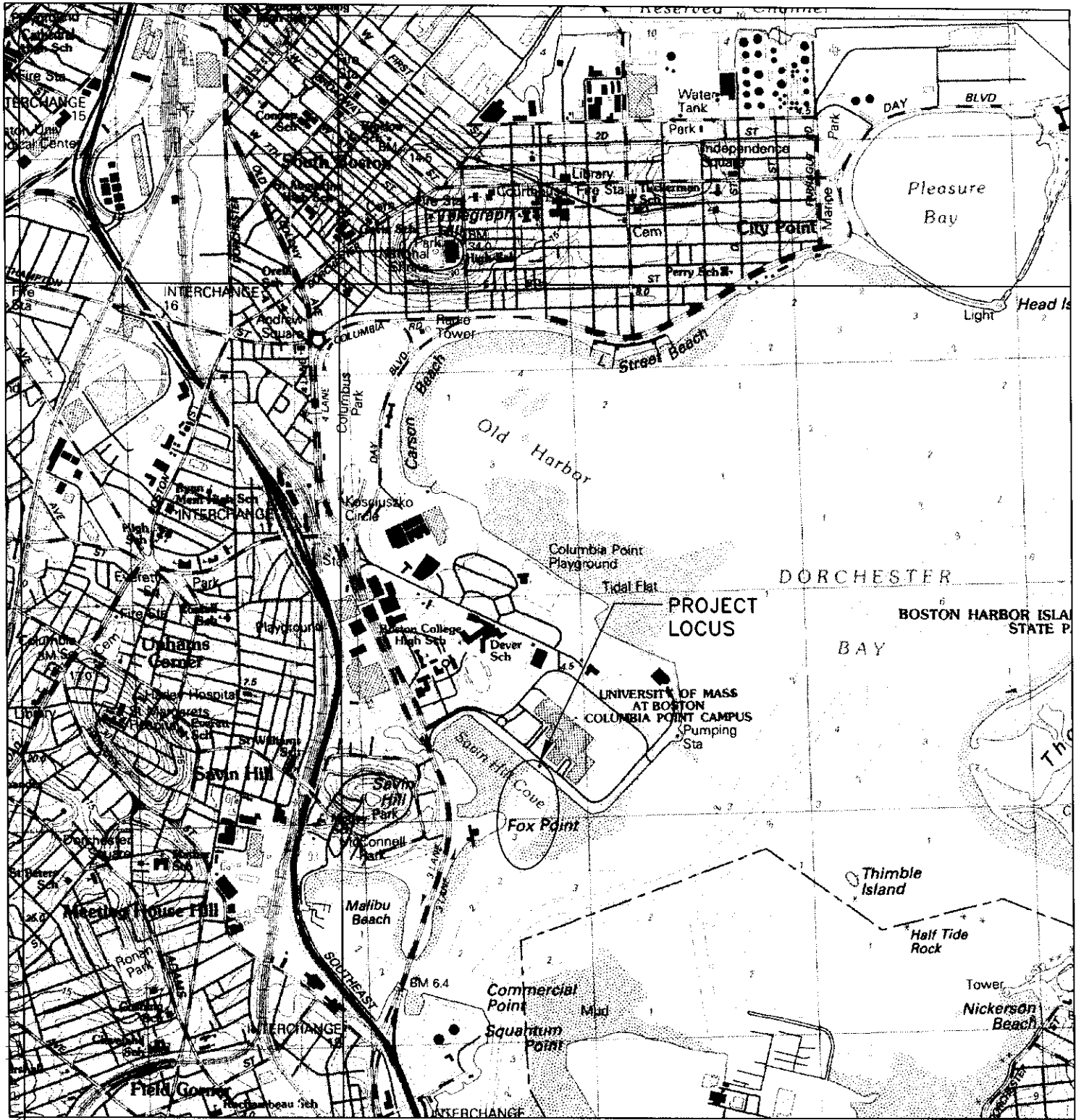
The University of Massachusetts, Boston Campus is currently having concerns over the quality and temperature of water entering its cooling plant intake structure. At the same time, the University is in need of additional draft at its dock facilities as well as along its access to Dorchester Bay Channel.

Plans for dredging originally focused on four options. These options were discussed with regulatory agencies as a pre submission review at the March 2, 2005 USACE Joint Processing Meeting. At that meeting recommendations for the current proposal were developed. Recommendations from regulatory agencies included, reduction of the dredge depth from Elevation -10 to Elevation -8 MLW with a one foot overdredge and realignment of the channel to avoid impacts to shallow areas. (See attached Dredge Feasibility Study)

The current proposal includes dredging a channel extending southwesterly from the basin for approximately 1000 feet, before turning southeasterly for 1000 feet to connect with the Dorchester Bay Channel and, will utilize the deeper waters within the cove to reduce dredging and impacts to shallow areas. The basin, in the area of the cooling water intake plant will be dredged to Elevation -11 MLW. The basin area around the docks will be dredged to Elevation -8, consistent with the channel.

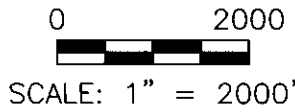
In addition to dredging BCE considered disposal options including upland and offshore disposal. Given the silty physical composition of the material, it is unsuitable for beach nourishment or other beneficial reuse. Offshore disposal will involve placing dredge material into barges for transportation and disposal at the Mass Bay Disposal Area. This plan will require additional testing but, based on some preliminary testing within the dredge area, it is anticipated that the material will be suitable for offshore disposal at the Mass Bay Disposal Area.

USACE has issued a Sampling and Analysis Plan to direct further material investigations for offshore disposal.



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**LOCUS MAP**  
 UNIVERSITY OF MASSACHUSETTS  
 SAVIN HILL COVE  
 BOSTON MA  
 NOVEMBER 2005



	<b>Bourne Consulting Engineering</b> <small>184 West Central Street          Franklin, MA 01030</small>
	<small>TEL. (508) 538-8153 FAX. (508) 538-0971</small>

EXHIBIT 1