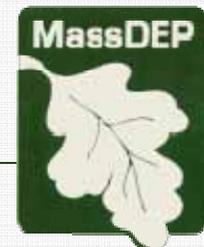


# Natural Resource Damages (NRD) Assessment and Restoration Update



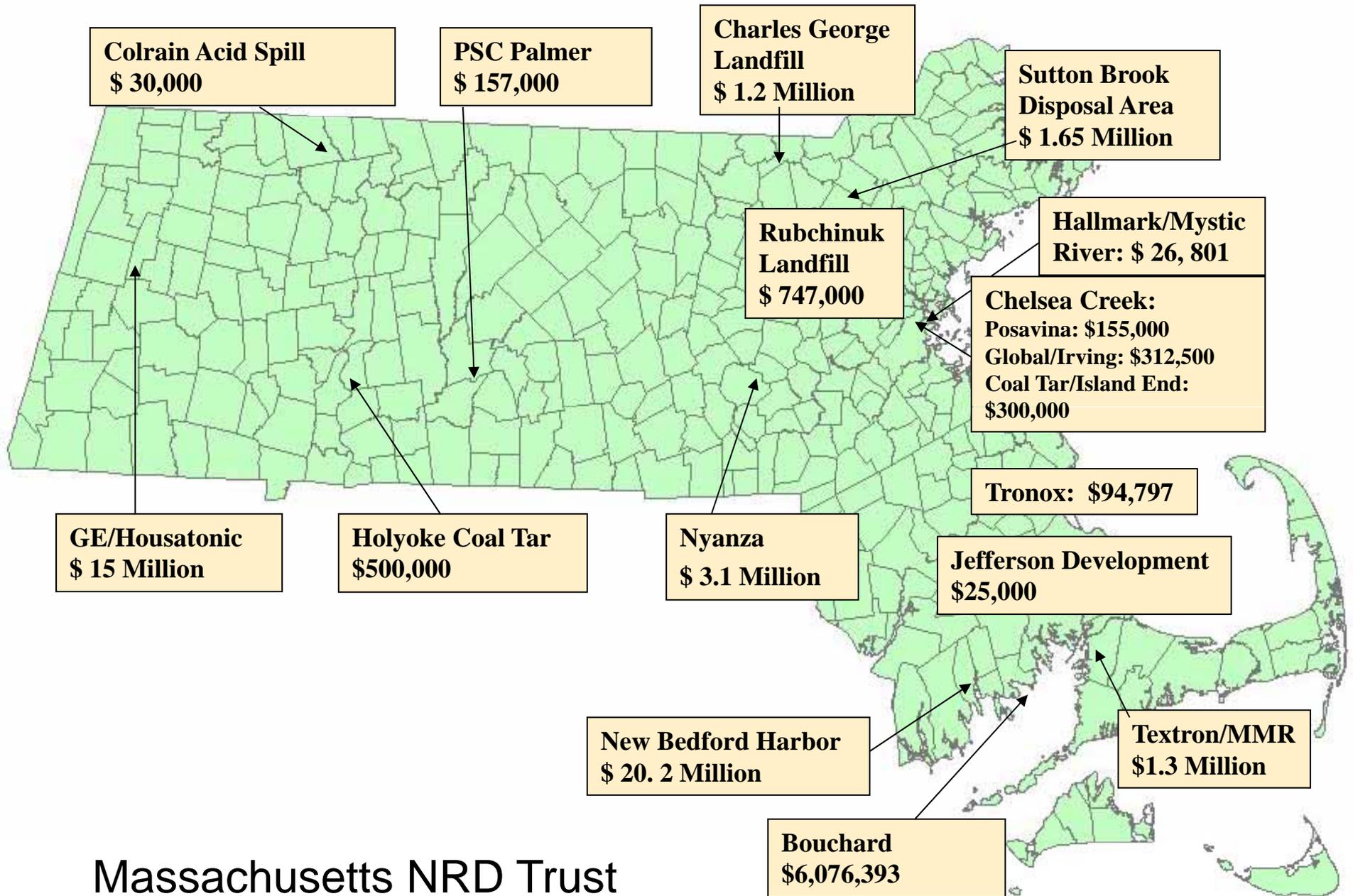
Karen Pelto, NRD Program Coordinator  
October 27, 2011

Waste Site Cleanup Program Advisory Committee



# Presentation Topics

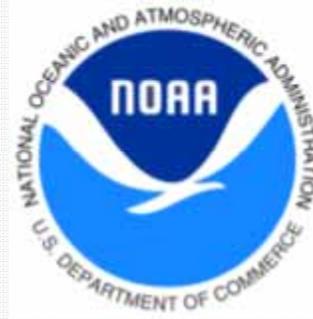
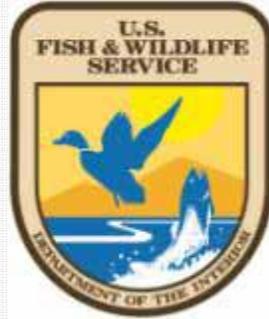
- Restored Natural Resources
  - Buzzards Bay Bouchard B-120
  - Upcoming Restoration Plans
- Recent Settlements



# Massachusetts NRD Trust Settlements

# NRD Restoration Planning Buzzards Bay Oil Spill – Bouchard B-120

## Trustees:



Massachusetts Executive Office of Energy and Environmental Affairs

State of Rhode Island and Providence Plantations

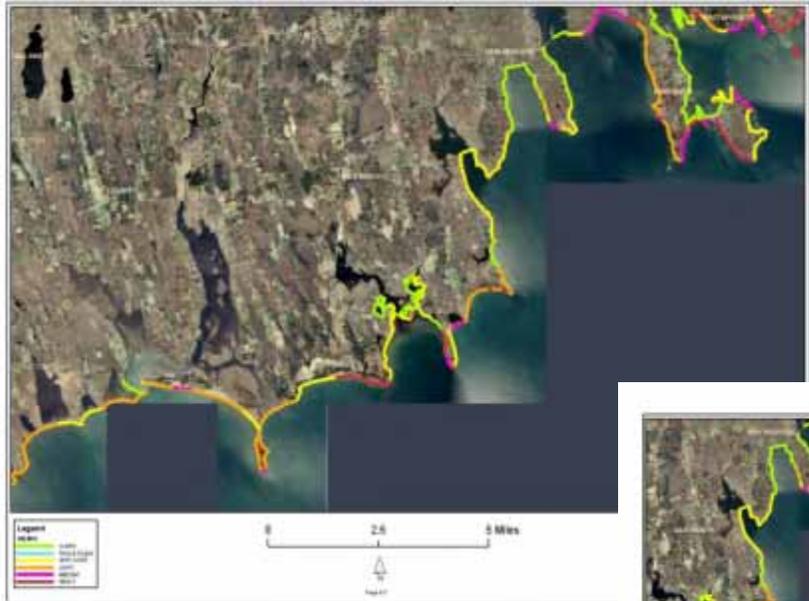
Department of the Interior – U.S. Fish and Wildlife Service

Department of Commerce – National Oceanic and  
Atmospheric Administration

# 98,000 Gallons of Oil and 98+ Miles of Shoreline and Coastal Waters Affected



Figure 2.0  
Map of Impact of Oil Spill  
Boulevard St. No. 120 St. East  
Boulevard St. MA



Legend  
CLEAN  
TRACE OILING  
HEAVY OILING  
LIGHT  
MEDIUM  
HEAVY

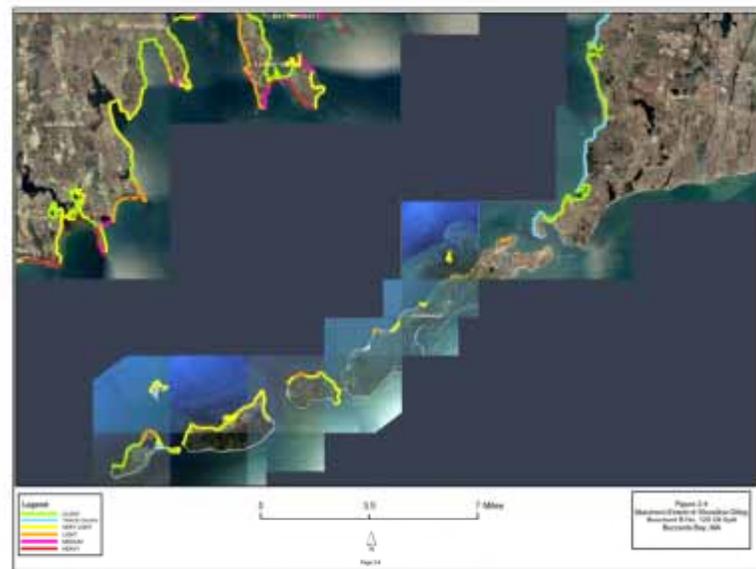
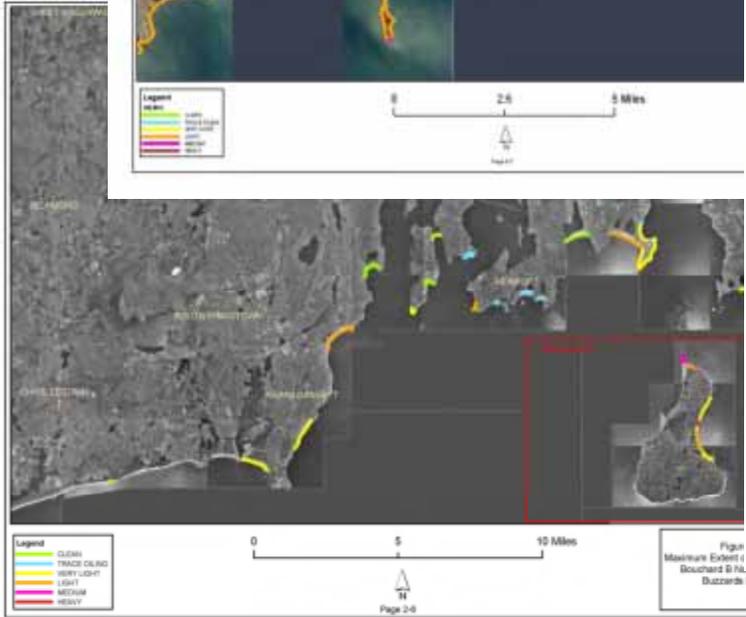


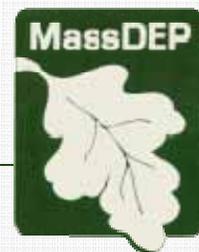
Figure 2.1  
Map of Impact of Oil Spill  
Boulevard St. No. 120 St. East  
Boulevard St. MA

Legend  
CLEAN  
TRACE OILING  
HEAVY OILING  
LIGHT  
MEDIUM  
HEAVY



Legend  
CLEAN  
TRACE OILING  
HEAVY OILING  
LIGHT  
MEDIUM  
HEAVY

Figure  
Map of Impact of Oil Spill  
Boulevard St. No. 120 St. East  
Boulevard St. MA



Source: B-120 Exposure Report

# Injured Resource Categories and Types

## Shoreline and Aquatic: \$1.52M

### Shoreline Resources

- Tidal marshes, sand and gravel beaches, boulder and bedrock shores
  - Including plants and animals

### Aquatic Resources

- Intertidal and subtidal habitats
- Substrate habitat
  - Including shellfish and other benthic organisms
- Water Column
  - Including fish and other aquatic organisms

## Ram Island Shoreline Resources (\$534,000)

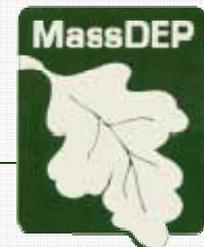
- Tidal marshes, sand and gravel beaches, boulder shores

## Lost Recreational Uses (\$3.3M)

- Shoreline access and uses
- Shellfishing
- Boating

## Birds and Wildlife

- **Piping Plovers (\$715,000)**
- Terns
- Loons and other birds
- Terrapins and other wildlife



# Buzzards Bay Oil Spill Restoration Planning

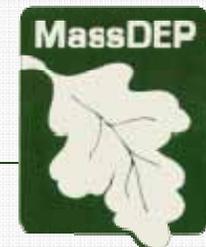


NOS/NOAA

1. Interagency consultation
2. Public meetings (Sept 2011)
3. **Identify and evaluate restoration alternatives** →
4. Prepare Draft Restoration Plan/Environmental Assessment (RP/EA)
5. Solicit public review/comment
6. Revise & prepare Final RP/EA
7. Implement restoration projects
8. Oversee & monitor project performance

Soliciting restoration project ideas from the public:

<http://www.darrp.noaa.gov/northeast/buzzard/public.html>



# Upcoming Restoration Plans/Grants

## ➤ Housatonic Round III

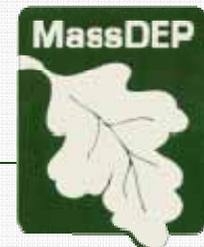
- Habitat Conservation through Land Acquisition
  - \$2 million

## ➤ Nyanza

- Aquatic, riparian and floodplain biological resources and habitats
- Recreation and public access
  - \$3.7 million

## ➤ Holyoke Coal Tar

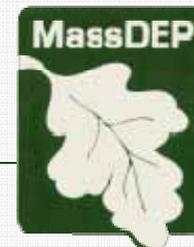
- Shortnose sturgeon
- Freshwater mussels
- Benthic habitat
  - \$345,000



# Recent Settlements

## ➤ Blackburn & Union Privileges

- \$1,094,169.56
  - \$575,000 ecological (wetland and river)
  - \$300,000 groundwater
  - \$125,000 ecological and groundwater
  - Assessment costs
  
- Consent Decree lodged August 2, 2011



# MassDEP NRD Coordinator

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617-292-5785

[www.mass.gov/dep/cleanup/sites/nrd/nrd](http://www.mass.gov/dep/cleanup/sites/nrd/nrd)

