

Bouchard B. No. 120 Oil Spill
Buzzards Bay, Mass.

SHORELINE CLEANUP PLAN

6/11/03 UPDATE

The following document summarizes the cleanup of shorelines affected by the Buzzard Bay oil spill. Shoreline cleanup is an ongoing and dynamic process. This plan reflects the current status of shoreline assessment and cleanup operations as of the date listed. Information contained herein is subject to change and will be update on approximately a weekly basis.

Segment	Segment Name	Cleanup/ Inspection Status	Satisfies IRAC Criteria	Further Cleanup Warranted
E1-01	Grey Gables-Gilder Road Beach	Ready for IRAC Inspection ³		
E1-02	Mashnee/Hog Islands North	Unoiled ¹		
E1-03	Mashnee Island	Unoiled ¹		
E1-04	Mashnee/Hog Islands South	Unoiled ¹		
E1-05	Monument Beach	Unoiled ¹		
E1-06	Phinney's Harbor South	Unoiled ¹		
E1-07	Wings Neck	Ready for IRAC Inspection ³		
E1-08	Barlow's Landing	Unoiled ¹		
E1-09	Patuisset	Unoiled ¹		
E1-10	Scraggy Neck North	Ready for IRAC Inspection ³		
E1-11	Scraggy Neck South	Ready for IRAC Inspection ³		
E1-12	Megansett Beach	Ready for IRAC Inspection ³		
E1-13	Nye's Neck	Ongoing Cleanup		
E1-14	New Silver Beach (Wild Harbor)	Maintenance		
E1-15	Crow Point	Ongoing Cleanup		
E1-16	Old Silver Beach	Unoiled ¹		
E2-01	Falmouth Cliffs	Unoiled ¹		
E2-02	West Falmouth Harbor	Unoiled ¹		
E2-03	Chappaquoit Beach	Unoiled ¹		
E2-04	Black Beach	Unoiled ¹		
E2-05	Saconneset Beach	Maintenance		
E2-06	Hamlin's Point Beach	Maintenance		
E2-07	Wood Neck Beach	Maintenance		
E2-08	Racing Beach	Maintenance		
E2-09	Quissett Harbor	Unoiled ¹		
E2-10	Long Neck to Gansett Point	Maintenance		
E2-11	Penzance Island	Maintenance		
E3-01	Penikese Island	Ready for IRAC Inspection ³		
E3-02	Cuttyhunk Island	Ready for IRAC Inspection ³		
E3-03	Nashaweena Island	Ready for IRAC Inspection ³		
E3-04	Pasque Island	Ready for IRAC Inspection ³		
E3-05	Naushon Island	Ready for IRAC Inspection ³		
E3-06	Uncatena Island	Ready for IRAC Inspection ³		
E3-07	Weepecket Islands	Ready for IRAC Inspection ³		
W1B-01	Taylor Point Canal	Unoiled ¹		
W1B-02	Taylor Point North	Unoiled ¹		
W1B-03	Butler Cove	Unoiled ¹		
W1B-04	Jacob's Neck	Unoiled ¹		

¹ No documentation of oiling² Due to Piping Plover Chicks³ Subject to Final Walk-through

Segment	Segment Name	Cleanup/ Inspection Status	Satisfies IRAC Criteria	Further Cleanup Warranted
W1B-05	Pleasant Harbor	Unoiled ¹		
W1B-06	Broad Cove	Unoiled ¹		
W1B-07	Stony Point Dike	Maintenance		
W1B-08	Temples Knob	Ready for IRAC Inspection ³		
W1B-09	Little Harbor Beach	Unoiled ¹		
W1B-10	Little Harbor	Unoiled ¹		
W1B-11	Bourne Cove	Unoiled ¹		
W1B-12	Warren Point (MA)	Maintenance		
W1B-13	Indian Neck	Maintenance		
W1B-14	Long Beach	Ready for IRAC Inspection ³		
W1B-15	Wareham River East Shore	Ready for IRAC Inspection ³		
W1B-16	Minot Forest Beach	Ready for IRAC Inspection ³		
W1B-17	Wareham Neck North	Ready for IRAC Inspection ³		
W1B-18	Pinehurst Beach	Unoiled ¹		
W1B-19	Broad Marsh River East	Unoiled ¹		
W1B-20	Broad Marsh River West	Unoiled ¹		
W1B-21	Swift's Neck Beach	Ready for IRAC Inspection ³		
W1B-22	Swift's Beach	Ready for IRAC Inspection ³		
W1B-23	Mark's Cove	Ready for IRAC Inspection ³		
W1B-24	Nobska Beach	Unoiled ¹		
W1B-25	Cromeset Beach	Unoiled ¹		
W1B-26	Briarwood Beach	Unoiled ¹		
W1B-27	Rose Point	Unoiled ¹		
W1B-28	Weweantic River West Shore	Maintenance		
W1B-29	Delano Road North	Unoiled ¹		
W1B-30	Delano Road South	Unoiled ¹		
W1B-31	Great Hill Point	Maintenance		
W1B-32	Piney Point Beach	Maintenance		
W1B-33	Piney Point South	Maintenance		
W1C-00	Bird Island	Ongoing Cleanup		
W1C-01	Butler's Point	Maintenance		
W1C-02	Planting Island Causeway	Ongoing Cleanup		
W1C-03	Planting Island Cove	Unoiled ¹		
W1C-04	Blankinship Cove	Maintenance		
W1C-05	Sippican Harbor East	Maintenance		
W1C-06	Hammet's Cove Beach	Unoiled ¹		
W1C-07	Little Neck	Unoiled ¹		
W1C-08	Tabor Academy Beach	Unoiled ¹		
W1C-09	Marion Town Beach	Unoiled ¹		
W1C-10	Silvershell Beach	Maintenance		
W1C-11	Sippican Harbor West	Maintenance		
W1C-12	Converse Point East	Maintenance		

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Segment	Segment Name	Cleanup/ Inspection Status	Satisfies IRAC Criteria	Further Cleanup Warranted
W1D-01	Aucoot Cove	Ready for IRAC Inspection ³		
W1D-02	Harbor Beach	Ready for IRAC Inspection ³		
W1D-03	Holly Woods / Hiller Cove	Ready for IRAC Inspection ³		
W1D-04	Holly Woods / Peases Point	Ongoing Cleanup		
W1D-05	Point Connett Beach	Ongoing Cleanup		
W1E-01	Nye Cove / Strawberry Cove	Natural Attenuation		
W1E-02	Strawberry Cove	Maintenance		
W1E-03	Strawberry Point West	Natural Attenuation		
W1E-04	Crescent Beach	Ongoing Cleanup		
W1E-05	Mattapoissett Harbor East	Ongoing Cleanup		
W1E-06	Mattapoissett Town Beach	Ready for IRAC Inspection ³		
W1F-01	Brandt Beach	Ongoing Cleanup		
W1F-02	Brandt Island West	Ongoing Cleanup		
W1F-03	Brandt Island East	Ongoing Cleanup		
W1F-04	Brandt Island Cove	Maintenance		
W1F-05	Mattapoissett Neck West	Ongoing Cleanup		
W1F-06	Mattapoissett Neck South	Ongoing Cleanup		
W1F-07	Mattapoissett Shores	Ongoing Cleanup		
W1F-08	Mattapoissett Neck East	Ongoing Cleanup		
W1F-09	Mattapoissett Harbor North	Ongoing Cleanup		
W1G-00	Ram Island	Ongoing Cleanup		
W2A-01	Fort Phoenix	Ready for IRAC Inspection ³		
W2A-02	Harbor View	Ongoing Cleanup		
W2A-03	Pope's Beach	Ongoing Cleanup		
W2A-04	Manhattan Ave	Maintenance		
W2A-05	Sunset Beach	Ongoing Cleanup		
W2A-06	Silver Shell Beach	Maintenance		
W2A-07	Scotcut Neck West	Maintenance		
W2A-08	Wilbur Point	Ongoing Cleanup		
W2A-09	Scotcut Neck East	Maintenance		
W2A-10	Long Island and Causeway South	Ongoing Cleanup		
W2A-11	West Island West	Ongoing Cleanup		
W2A-12	Rocky Point to East Cove	Ongoing Cleanup		
W2A-13	East Cove	Ongoing Cleanup		
W2A-14	Pine Creek to North Point	Maintenance		
W2A-15	West Island North	Ongoing Cleanup		
W2A-16	Long Island and Causeway North	Ongoing Cleanup		
W2A-17	Scotcut Neck Northeast (Marsh)	Ready for IRAC Inspection ³		
W2A-18	Little Bay (Marsh)	Ready for IRAC Inspection ³		
W2A-19	Shaw Cove	Maintenance		
W2B-01	Round Hill to Barekneed Rocks	Ongoing Cleanup		
W2B-02	Padanaram Harbor	Unoiiled ¹		
W2B-03	Clarke's Cove West	Maintenance		
W2B-04	Clarke's Cove East	Maintenance		

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Segment	Segment Name	Cleanup/ Inspection Status	Satisfies IRAC Criteria	Further Cleanup Warranted
W2B-05	Fort Taber	Ready for IRAC Inspection ³		
W2B-06	Clarke's Point East	Ready for IRAC Inspection ³		
W2B-99	New Bedford Harbor (inner)	Unoiled ¹		
W3A-01	Mishaum Point East	Maintenance		
W3A-02	Salters Point West	Maintenance		
W3A-03	Pier Beach (Salter's Point)	Ongoing Cleanup		
W3A-04	Salters Point East	Ongoing Cleanup		
W3A-05	Round Hill Beach West	Ongoing Cleanup		
W3A-06	Round Hill Beach East	Ongoing Cleanup		
W3B-01	Slocum's River	Ongoing Cleanup		
W3B-02	Mishaum Point West	Ongoing Cleanup		
W3C-01	East Beach (Westport)	Ongoing Cleanup		
W3C-02	Little Beach	Maintenance		
W3C-03	Barney's Joy (W of barbed)	Cleanup Temporarily Suspended ²		
W3C-04	Barney's Joy (E of barbed)	Cleanup Temporarily Suspended ²		
W3C-05	Demarest Lloyd State Park Beach	Maintenance		
W3C-06	Demarest Lloyd State Park Marsh	Natural Attenuation		
W3D-01	Quicksand Point	Maintenance		
W3D-02	Cockeast Pond Beach	Maintenance		
W3D-03	Elephant Rock Beach	Ongoing Cleanup		
W3D-04	Horseneck Beach West	IRAC Inspected	Yes	No
W3D-05	Horseneck Beach East	IRAC Inspected	Yes	No
W3D-06	Gooseberry Neck East	Maintenance		
W3D-07	Gooseberry Neck West	Maintenance		

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Shoreline Cleanup Methods List

1A. Heavily Utilized, Public Recreational Sand Beaches

- A - Manual removal with minimal clean sediment removal
- B - Mechanical removal with in-kind sediment replacement
- O - Vacuum removal with minimum clean sediment removal
- P - Natural Attenuation

1B. Less utilized, Semi-Public and Private Sand Beaches

- A - Manual removal with minimal clean sediment removal
- B - Mechanical removal with in-kind sediment replacement
- O - Vacuum removal with minimum clean sediment removal
- P - Natural Attenuation

1C. Mixed Sand and Gravel, Gravel (pebble to boulder) and Rip Rap Groins (jetties)

Mixed Sand and Gravel

- A - Manual removal with minimal clean sediment removal
- B - Mechanical removal with in-kind sediment replacement
- C - Snare (staked in intertidal zone)
- D - Warm water deluge into collection
- O - Vacuum removal with minimum clean sediment removal
- P - Natural Attenuation

Gravel/Cobble (pebble to boulder)

- E - Manual wiping
- F - Manual wiping with subtidal relocation
- G - Manual wiping with cleaning agent
- H - High pressure/hot water wash with container
- I - On-site high pressure/hot water wash of piled rocks with container
- J - Off-site high pressure/hot water wash of piled rocks
- K - Warm water deluge into collection
- O - Vacuum removal with minimum clean sediment removal
- P - Natural Attenuation

Rip Rap Groins (jetties)

- L - Snare in/around groins
- H - High pressure/hot water wash with container
- P - Natural Attenuation

1D. Rip Rap Seawalls, Bulkhead, Piers, Docks and Pilings

- L - Snare in/around groins
- H - High pressure/hot water wash with container
- P - Natural Attenuation

1E. Rocky Shorelines (bedrock outcrops)

- C - Snare (staked in intertidal zone)
- H - High pressure/hot water wash with container
- P - Natural Attenuator

1F. Salt Marshes

- A - Manual removal with minimal clean sediment removal
- M - Removal of floatable oil
- N – Manual removal of oiled wrack
- P - Natural Attenuator

Immediate Response Action Completion (IRAC) Shoreline Classifications

- 1A. Heavily Utilized, Public Recreational Sand Beaches
- 1B. Less utilized, Semi-Public and Private Sand Beaches
- 1C. Mixed Sand and Gravel, Gravel (pebble to boulder) and Rip Rap Groins (jetties)
- 1D. Rip Rap Seawalls, Bulkhead, Piers, Docks and Pilings
- 1E. Rocky Shorelines (bedrock outcrops)
- 1F. Salt Marshes
- 2. Roseate Tern Habitat
- 3. Piping Plover Habitat

Definitions

Maintenance – periodic inspection of clean shorelines for the purpose of removing new oil, tar balls, etc. that may come ashore after gross oil removal has been completed. Maintenance typically requires a lower level of effort than initial oil removal and is performed by teams of 2 to 4 cleanup personnel that systematically patrol the shoreline at regular time intervals (e.g., every other day). Maintenance is an on-going activity that begins when initial gross oil removal is complete and ends when the threat of significant shoreline re-oiling no longer exists. If maintenance patrols or shoreline inspection teams discover significant amounts of oil, shoreline areas are removed from maintenance status and more aggressive cleanup tactics are re-started.