

Winthrop Beach Nourishment Phase 2 Southern Section



DCR Public Meeting

November 28, 2012, 6:30 p.m. – 8:00 pm
E.B. Newton School & Cultural Center
45 Pauline Street
Winthrop, MA





Commonwealth of Massachusetts

Governor

Deval L. Patrick

Lieutenant Governor

Timothy Murray

Energy and Environmental Secretary

Richard K. Sullivan, Jr.

Department of Conservation and Recreation Commissioner

Edward M. Lambert, Jr.



DCR Mission Statement

*To protect, promote and enhance our
common wealth of natural, cultural
and recreational resources for the
well being of all.*

Winthrop Beach Restoration Project Description

1. **Beach Nourishment (Sand Replacement) for shore protection**
2. **Reconstruct Winthrop Shore Drive:**
 - Wider sidewalks
 - Curb extensions & accessible crosswalks
 - New drainage system
3. **Amenities:**
 - Showers & footwashes
 - Drinking fountains
 - Bike racks



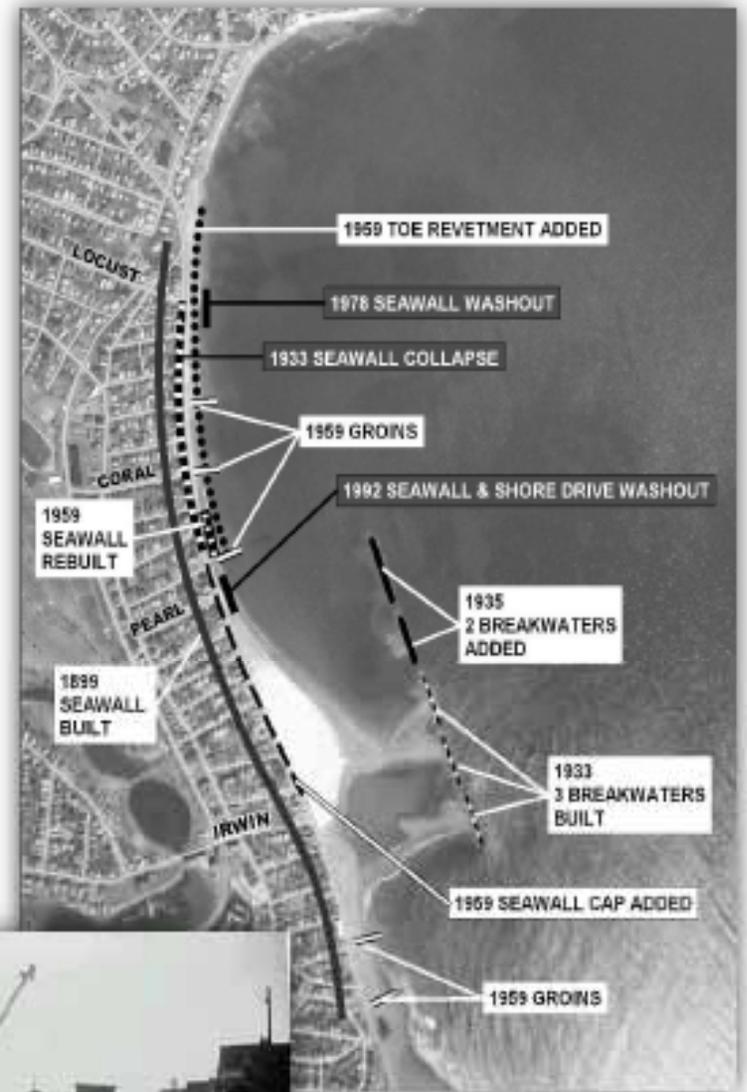
Winthrop Beach: Need for Beach Nourishment

- Natural sediment supply lost:
 - Seawalls and revetments
- Eroded Beach:
 - No high tide beach
 - Beach lowering
 - Seawall overtopping
- Seawall compromised
- Need for shore protection

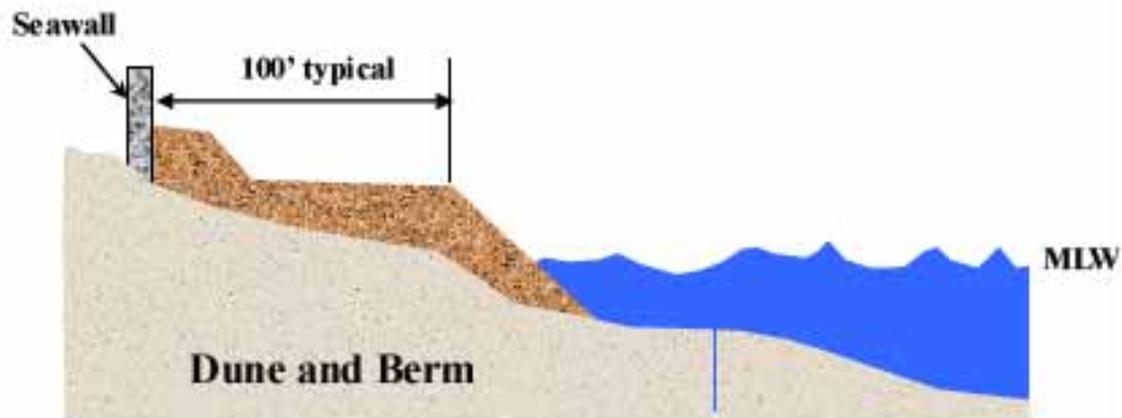
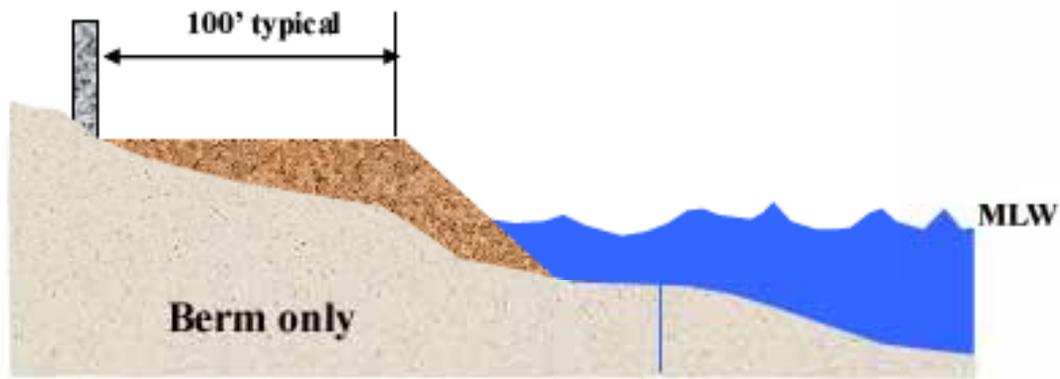


Storms, Damage & Shore Protection

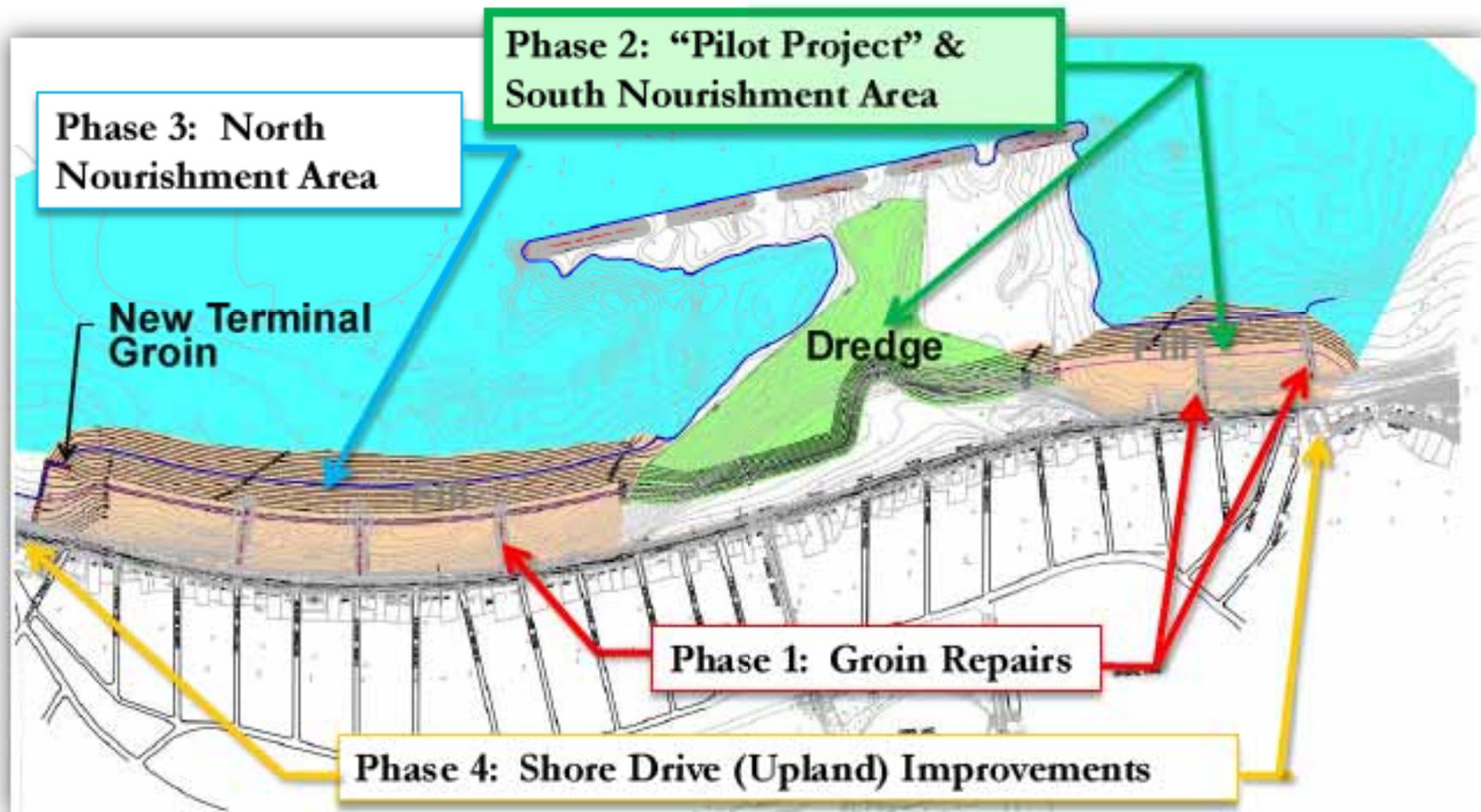
- 1898: Portland Gale
- 1899: Seawall Constructed
- 1933: Seawall Collapse
- 1933 & 1935:
The Five Sisters
- 1959:
Groyne, Toe Revetment
& Seawall Cap
- 1978: Seawall Washout
- 1992: Shore Drive
Sinkhole



Winthrop Beach: The Solution Beach Nourishment



Project Phasing



Phase I – Groin Repairs

Scope of Work:

- Removal of concrete cap
- Removal and resetting crest stones
- Reconstructing missing portions
- Rodent control

Schedule:

- Completed mid-Dec.



Phase 2 – South Nourishment

Dredging:

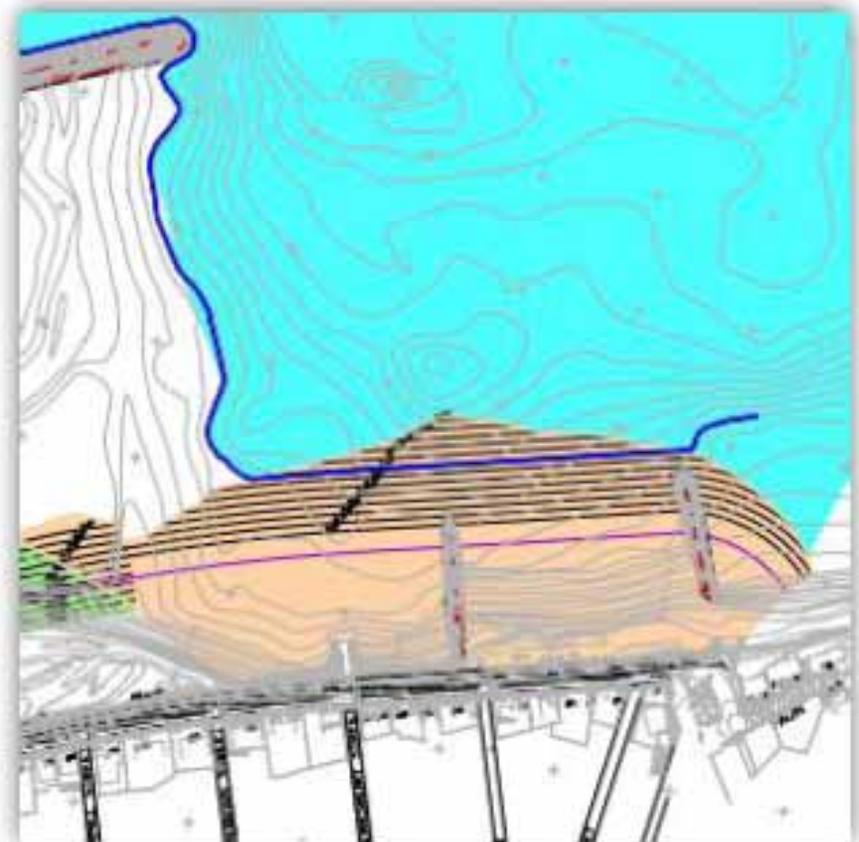
- Cutler to Underhill
- Mechanical Excavation
- All dredging above MLW
- Transport by off-road dumps to South Nourishment Area



Phase 2 – South Nourishment

Placement:

- Underhill to Beacon Circle
- Mechanical Placement
- Berm 100 ft. wide set at 2+ ft. above 100-year flood elevation
- 15:1 slope



Phase 2 – South Nourishment

Other Work Elements:

- Reconstruct Tewksbury Street ramp
- Remove paint from granite and concrete seawall cap
- New boards at entrances



Phase 2 – South Nourishment: Schedule

- Tewksbury Street ramp reconstruction : Dec. 2012 – Jan. 2013
- Dredging and placement: Dec. 2012 – Apr. 2013
- Seawall cap work: Spring 2013



Phase 2 – South Nourishment Special Considerations

- Work hours: 7 am to 6 pm
- Noise control: must meet Town standards
- Dust control:
 - Fencing with fabric to contain blowing sand
 - Material will be kept wet
- Rodent control: expansion of program started in Phase I
- Traffic:
 - Little construction traffic to/from beach
 - Most work on beach
 - Equipment will be kept on beach in fenced-in containment area
 - Minimal parking restrictions

Overall Project - Next Steps

- Phase 3 – North Nourishment:
 - Complete permitting (Saugus Conservation Commission)
 - Coordination with MassDOT
 - Coordination with Town of Winthrop
 - Public Informational Meeting
- Phase 4 – Shore Drive Improvements:
 - Permitting (Winthrop Conservation Commission)
 - Coordination with Town of Winthrop
 - Public Informational Meeting



Winthrop Beach – Phase 2 Questions and Answers



Additional Information

For more information:

–Web:

<http://www.mass.gov/dcr/news/publicmeetings/parklandspast.htm>

If you have questions, comments, or suggestions:

Email: dcr.updates@state.ma.us

Call: [617-626-4974](tel:617-626-4974)

Write: Department of Conservation and Recreation, Office of Public Outreach, 251 Causeway Street, Suite 600, Boston, MA 02114

Note: Public comments submitted to DCR by email or letter will be posted on the DCR website in their entirety, and no content, including personal information, will be redacted.

Emergency Contact

- **Call 911**
- DCR Construction trailer
(7 am to 3 pm): 617-539-4957
- DCR Information Line: 617-626-4974