



Coastal Update: Summer 2009

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April 20, 2007



April 23, 2007



June 18, 2007



August 29, 2007



Two-channel Inlet

March 2008

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July 2008

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October 2008

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Single Channel Inlet

February 2009

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July 10, 2008

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May 2009

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June 2006

June 2007

July 2008

April 2009



THE CHATHAM INLETS 2006 -2009

Aerial Photography produced by James W. Sewall Company



July 10, 2008

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April 2009

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May 2009

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**Late Season Nor'easter
June 26, 2009**

July 6, 2009

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Thayer

Hammatt

Kelley

Shea

Demolished Camps



**Coppedge/Fuller Camp
Relocation to Mainland
June 2009**





South Village
10 Camps



2008-2009
> 100' dune retreat

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Ebb Tide

Flood Tide

April 25, 2008

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April 10, 2009

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April 10, 2009

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New Inlet Summary

- Continued development and “maturing” of inlet
- Change in tidal flow
 - New inlet better connected to Chatham Harbor
- Large sediment intrusion into estuary
- Likelihood of increased (storm) flood potential
- No obvious changes to Chatham Inlet
- No significant mainland erosion
- No severe navigation impacts

Other Coastal Initiatives

Mill Creek Restoration Project



Cockle Cove Erosion: Fall/Winter 2008-2009



Nantucket Sound Shoreline Study

Chatham

Harding's Beach

Ridgevale Beach

Cockle Cove

Forest Beach

Pleasant Street Beach

Red River

Harwich





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Corps of Engineers- “Sect. 204 Study”
Stage Harbor Federal Navigation Project
Beneficial Use of Dredged Material

- Evaluate current disposal methodology
- Determine if there are more “cost-effective” uses of the material
- Analyze benefits for both habitat enhancement and shore protection
- Town of Chatham & USFWS potential interests
- Study is 100% Federally funded
- Potential Federal cost-sharing of future disposal placement



**Morris Island Cut:
Dredging Permits**

- Permit development only (dredging not authorized)
- Incorporated into new Town-wide dredge/disposal permit
- Morris Island Cut portion – 90% private funds
- Concerns over potential impacts to shellfish resources



**South Beach
Potential “Off-season”
ORV Access**

- Development of an ORV Management Plan
- Conservation Commission Approval
- Coordination with USFWS and Cape Cod National Seashore

POTENTIAL ISSUES:

- Endangered Species (Northeastern Beach Tiger Beetle)
- Encroachment into Monomoy Refuge
- Property ownership near Lighthouse Beach



Thank You