

**Coastal Resilience Advisory Committee
Tuesday, October 5, 2021
Via Video Conference and Recorded**

Members Present: Mary Longacre, Jen Karberg, Fritz McClure, Sarah Bois, Peter Brace Gary Beller, Ian Golding and Matt Fee. Joanna Roche joined the meeting at 10:14 AM.

Members Absent: None

Staff Present: Vince Murphy

Consultants Present: Trevor Johnson

Speakers: Trevor Johnson

CALL TO ORDER.

The meeting was called to order at 10:01 AM. Roll Call made.

APPROVAL OF AGENDA.

Unanimously approved and Covid Announcements were made by Chair.

The meeting was recorded and is available on the Town's YouTube channel.

Meeting recording

<https://www.youtube.com/watch?v=Aujll8AaeL8&t=6s>

DISCUSSION.

A. Continued Discussion from September 28 Meeting on Draft Coastal Resilience Plan.

The following comments were made by Committee members:

Peter Brace - There was no mention of Shellfish Hatchery at Brant Point. Vince Murphy responded that the hatchery is Coast Guard property so federal approval required.

Sarah Bois - What are the next steps? Ecological Restoration Goals?

Gary Beller - What is the time table for final plan and will Arcadis prioritize the forty projects? Mary Longacre ask to defer discussion until later in meeting.

Ian Golding - How will transferred Development Rights be handled? Is there any estimate of volume of sand required. Trevor Johnson responded that very preliminary estimates will be provided.

Jen Karberg - The Committee could facilitate conversation with community groups about ecological restoration on private property.

Matt Fee - The discussion of transferred development rights is very complicated and time intensive.

Joanna Roche - Expressed concerns about sand requirements. How many trucks of sand? What cost? Where to store? Vince Murphy stated that cost depends on source - dredging, local sand pit or delivery by barge.

Matt Fee - There would be thousands of trucks. trucking sand is not feasible. Will need to be moved by slurry.

Ian Golding - 2600 feet of geotube required 123,000 cubic yards of sand.

Mary Longacre - How do we complete forty projects over fifteen years? Can we with current resources?

Matt Fee - Some past projects were funded by the neighborhoods that were benefited. The question is how to allocate costs

Mary Longacre - The comment period on the draft report closed on October 4th. Does the Committee need more time to finalize comments? Trevor Johnson mentioned that the deadline for final report is currently October 15th and Arcadis needs fourteen days to incorporate all comments and finalize report. How much more time does the Committee need? Mary Longacre suggested a week. Trevor Johnson agreed to hard close of comments by October 11th and delivery of final report by October 22nd for review at Committee meeting scheduled for October 26th.

Gary Beller - What happens on October 26th? Vince Murphy stated that the Board would review and adopt (if final report is in order) and then send it to Select Board.

Ian Golding - Expressed concern that his prior comments have not been included. Trevor Johnson stated that the final report will include and address any factual errors.

Joanna Roche - When will Arcadis provide the three page summary and top five priorities that was discussed at last meeting.

Sarah Bois – The priority list that Arcadis put in the plan is what we should go with.

The following comments were made by the public:

RJ Turcotte - Has the Civic League sent the report to their member associations? Charles Stott responded that the draft report was send to all member associations.

Charles Stott - The report mentioned that Millie's Bridge will be converted to pedestrian use only. Won't emergency vehicles need access? Trevor Johnson responded that the discussion of pedestrian only was a long term suggestion. There is no mention of offshore structures and groins for Madaket area. Trevor Johnson stated that there are permitting issues for both and that the strategy suggested for Madaket is a "nature based" strategy that would not include hard structures.

Bruce Mandel - He had several comments. He send written comments (email from 10/5/2021 is below) regarding Madaket section of the report and that some of the North Shore area should properly be included in Madaket area. Also, there is no discussion of the Massasoit Bridge or the North Cambridge Street culvert. The Arcadis recommendations for bridges seems very different from the TEC study/proposal made to the Department of Public Works. Is the ongoing design work for the bridges going to be shared with Arcadis? Will discussion of bridges and culvert at Cambridge Street to be omitted from the report? Trevor Johnson stated that they are not omitted, just a lower priority than other areas in Madaket. Retreat is part of the overall strategy for some areas of Madaket. Mr. Mandel stated that the would like the Report to refer to the Massasoit Bridge and graphic for the Ames Street Bridge.

Helmut Weymar - He noted that the part of the report discussing Sconset states that large structures are not recommended, but the separate Baxter Road Study says that geotubes are the most effective was to preserve the bluff.

D. Anne Atherton - She had two comments. First, she has a concern that privately funded projects will produce an unequal result for those who can afford and those who can not. Second, she noted that the Baxter Road Study does not recommend the extension of the geotube now in place at that location. She has concerns about what the study says and what is being communicated about the study.

B. Initial Discussion of the Committee's Letter/Statement for the Coastal Resilience Plan.

Mary Longacre - stated that she understands that the Committee wants her to draft the Statement, but she would like input on the content. She invited suggestions.

Gary Beller - suggested that the Statement should include information about where we go from here (after report finalized).

Mary Longacre - Should the Statement include a discussion or reference to climate change? Sarah Bois and Ian Golding stated that it should.

The consensus seemed to be that the Letter/Statement should be a message to the community about what the report means and what will happen next, and that the Town of Nantucket Coastal Resilience Plan a long term project that will evolve over time.

PUBLIC COMMENT.

No public comments unrelated to discussion topic.

REMINDERS.

They are listed in the Agenda.

ADJOURNMENT.

The meeting adjourned at 11:36 AM.

***NOTES.**

1. There were approximately 28–35 participants attending the session of which 10 were Committee members, town staff and consultants.
2. Next Meeting is October 12, 2021.
3. Comment Period on Draft Report closes at midnight, Monday, October 11th.
4. Final Report due to Committee on October 22nd.

Email sent by Bruce Mandel to Mary Longacre, Vincent Murphy and the Arcadis email address for the CRP. Received 10/05/2021 at 8.29am. Forwarded to CRAC members as requested.

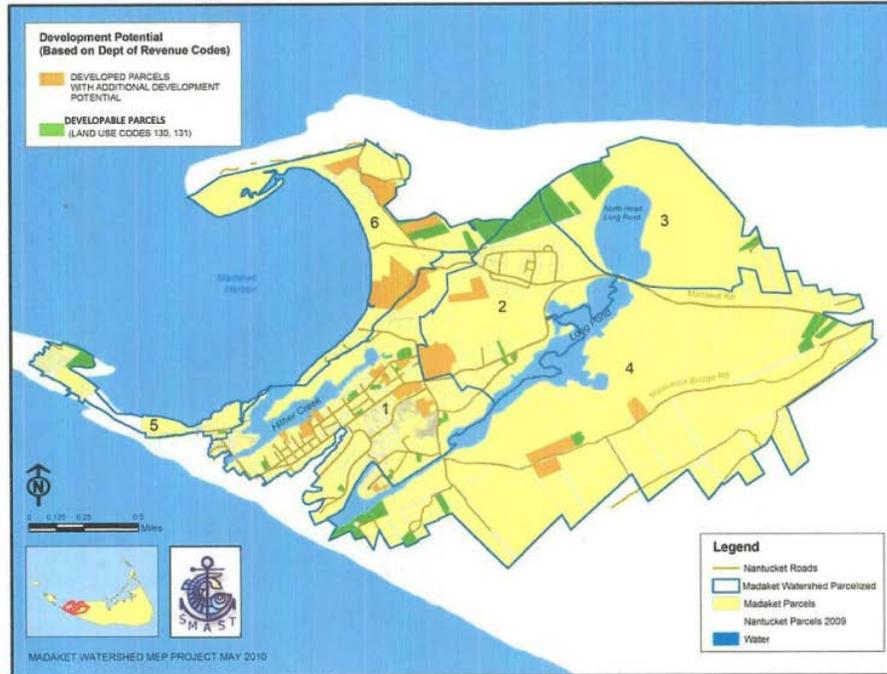


Figure IV-5. Parcels, Parcelized Watersheds, and Developable Parcels in the Madaket Harbor watersheds. Parcels colored orange are developed parcels with additional development potential based on existing zoning, while parcels colored green are undeveloped parcels classified as developable for residential land uses by the town assessor. The parcelized watershed is drawn to minimize the division of properties for management purposes while achieving a match of area with the watersheds of 2% or less.

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Attachment that was part of the 10/5 email.

Please provide a copy of this e-mail to the members of the CRAC.

Dear Mary Longacre, Members of the CRAC, Vince Murphy and Nantucket.CRP@arcadis.com:

The DRAFT Coastal Resilience Plan ("CRP") includes two separate areas, 1) Madaket and 2) the North Shore. I am suggesting that the CRAC review this from the context of there being some overlap. Portions of what is currently shown in the DRAFT CRP as being "North Shore" are actually included in the Madaket Harbor Needs Area and in the Madaket Harbor Watershed Protection District (see attached graphic).

The Madaket Area Plan is currently being updated at the request of the Town's area planning process. The Madaket Area Plan's boundary is driven in part by the need to protect the Madaket Harbor watersheds (including all seven of its sub-watershed areas), the community's water quality and protection of the thin west end aquifer. Therefore, all properties in and near the seven sub-watersheds included in the Madaket Harbor Watershed Protection District ought to be

included in just one of the DRAFT CRP delineations as MADAKET rather than divided into two separate “chapters.” Additionally, the existing four Horsley Witten Heggerman (“HWH”) groundwater and surface water maps help to reinforce and define the west end boundary conditions most critical to protection of the aquifer. All four of the HWH maps clearly define the Madaket Harbor Watershed areas in relation to groundwater and surface water flows. A portion of the North Shore area depicted in the Draft CRP is clearly part of Madaket and is included in the Madaket Area Plan boundary. The area currently depicted in the DRAFT CRP as part of the North Shore should therefore be amended to be included into the Madaket “chapter.” A copy of the Area Plan boundary and a narrative description is included below for ease of reference. This boundary, including a portion of what Draft CRP depicts as “North Shore” is also shown as part of the Madaket Harbor watersheds in the Massachusetts Estuaries Project in Figure IV-5 (copy attached).

Therefore, my suggestion is that the portion of the Madaket Harbor Protection District currently shown as part of the North Shore in the DRAFT CRP be revised to become part of the Madaket chapter.

Here is a copy of the Madaket Area Plan’s boundary description which is included in the updating process now ongoing:

Madaket is a community based overall landscape. It is a unique landscape. Madaket is a long-defined community that balances sustainable coexistence between property owners and nature. Madaket is a unique biosphere, meaning it fosters a sustainable coexistence between its residents and nature.

The Madaket Area Plan boundary:

A. Includes the entire area of the Madaket Harbor Watershed Protection District as described by (copies of referenced documents are available upon request):

- 1) Madaket Watershed MEP Project May 2010; Figure III-1 in conjunction with SMAST; specifically, “Watershed and sub-watershed delineations for the Madaket Harbor estuary system.” Sub-watersheds were delineated based on functional; estuarine sub-units in the water quality model (section VI of the report), flow gaging locations, wetland delineations, and best professional judgement. Outer watershed boundary is based on maps prepared in 1990 by Horsley Witten Hegemann, Inc. (“HWH”) and Town of Nantucket Watershed Protection District. This details seven sub watershed areas as follows:
 - 0 Madaket Harbor
 - 1 Hither Creek
 - 2 Madaket Ditch
 - 3 North Head Long Pond
 - 4 Long Pond
 - 5 Harbor South
 - 6 Harbor North
 - Including portions of the watershed district designated “Ocean”.
- 2) The portion of the west end of Nantucket as depicted in Map 1 Water Resources Protection Plan – Contributing Areas to Ponds and Harbors by HWH prepared for Nantucket Land Council; dated January 1990;

- 3) The portion showing the Madaket Area depicted in the graphic Map 2 prepared for Nantucket Land Council “Public Water Supply Protection Area” by HWH; dated January 1990;
- 4) The portion showing the Madaket Area depicted in the graphic Map 3 prepared for Nantucket Land Council “Contamination Sources to Ponds and Harbors” by HWH; dated January 1990;
- 5) The portion showing the Madaket Area depicted in the graphic Map 4 prepared for Nantucket Land Council “Contamination Sources to Well Fields & Aquifer” by HWH; dated January 1990;
- 6) The portion showing the Madaket Area depicted in the graphic prepared for Nantucket Land Council “Protect Nantucket Water Resources as shown on the May 1990; The Report: Nantucket Water Resources Management Plan”;
- 7) Board of Health Department Local Regulations – Section 53.00; Sub-Section 53.01 Definition; A. Madaket Harbor Watershed. The area constituting the watershed for Madaket Harbor/Hither Creek, as delineated on a map entitled “Madaket Harbor Watershed with Sub-Areas,” Nantucket GIS, dated January 13, 2003. Presented as Exhibits I-1 and I-2.

B. Physical approximate geographic description of the Madaket Area Plan boundary:

- 1) Directional descriptions are meant to be an approximate reference to compass rose points:
- 2) Properties on either side of the physical roads in the description are included the Madaket Area Plan boundary, as follows:

Eastern boundary – along Bartlett Farm Rd southward starting at the intersection of Madaket road with Bartlett Farm Road; to the intersection of Bartlett Farm Road with Clark’s Cove Road; then along Clark’s Cove Road to the Atlantic Ocean.

Westward along the coast of the Atlantic Ocean to the end of Smith’s Point; then

Across Madaket Harbor to the tip of Eel Point; then

Along Eel Point Road eastward to the intersection of Eel Point Road with Madaket Road; then

Along Madaket Road to the intersection with Bartlett Farm Road

Thank you. Let me know of any questions or comments, please.

Bruce Mandel
Madaket