



February Agenda

February 9, 2021

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[+1 862-294-4414](tel:+18622944414),445744262#

Phone Conference ID: 445 744 262#

1. Meeting Call to Order
2. Roll Call –
 - o Charlton
 - o Cornell
 - o Paulus
 - o Robertson
 - o Shaning
 - o Tassini
3. Approval of prior meeting minutes
 - o Charlton-___
 - o Cornell-___
 - o Paulus-___
 - o Robertson-___
 - o Shaning-___
 - o Tassini-___
4. NJ Climate Bill S2607/A2785 signed into law
 - <https://legiscan.com/NJ/text/S2607/2020>
 - Requires land use plan element of municipal master plan to include climate change-related hazard vulnerability assessment.
 - NRI should be considered to be adapted into Master Plan
5. Watershed Institute is offering a Green Infrastructure Maintenance Webinar on February 25th
 - <https://thewatershed.org/green-infrastructure-maintenance-webinar/>
 - To provide an overview of the new state stormwater ordinances requiring the use of green infrastructure
 - BHEC members should attend or watch a reply
6. Proposed Monitoring of Flooding
 - i. Lake flooding / Bay flooding / Localized storm drains / Low areas
 - ii. List of known areas see NRI pg. 24
 - iii. Spotter network and logging of flooded areas
 - iv. Brainstorming
7. New Business
 - _____

- _____
- 8. Open Public Comment
 - Why do police cars idle – see letter from the Chief
 - _____

2.11 Flood Prone Areas

Bay Head has historically experienced temporary flooding in low-lying areas and more severe flooding caused by extreme weather events. The combination of gradually rising tidal waters and continuing unpredictable extreme weather events will gradually increase the risk of coastal flooding in the Borough over time.

in 2019, a *Coastal Vulnerability Assessment Report* of the Borough was published.

(Link to the full report: <https://bit.ly/3j3tQ3e>)

As indicted in the report, approximately 17% of the Borough is water that is subject to sea level increase, storm surge, tidal flow, and wind-forced movement⁴⁶. This localized flooding is exacerbated when the groundwater table is high which occurs after a heavy rain or when a prolonged southern wind forces the waters of Barnegat Bay towards the northern end of the Bay and/or prevents the normal tide waters from flowing to the south.

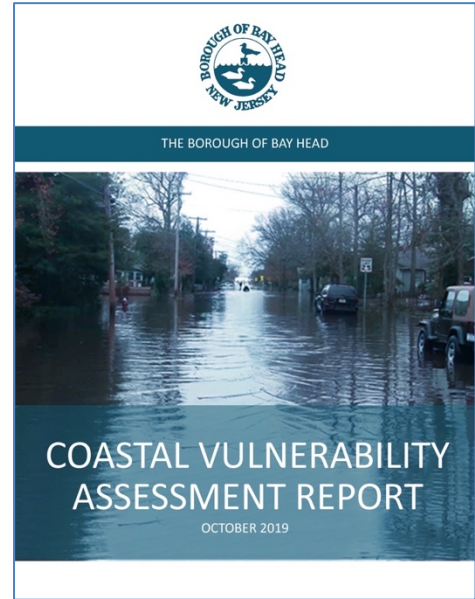


Figure 19. Coastal Vulnerability Assessment Report.

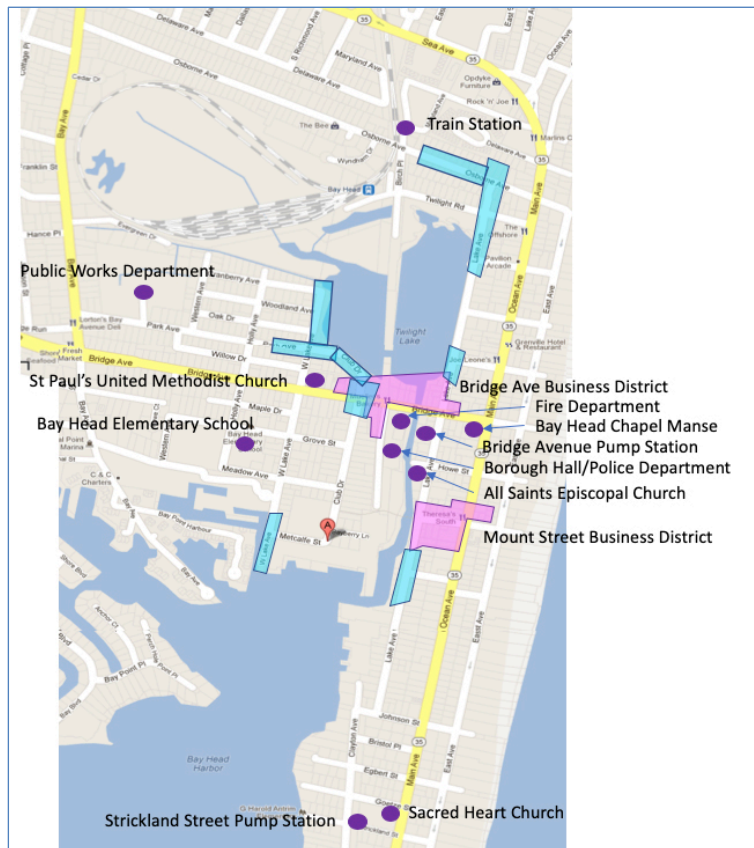


Figure 20. Flood Prone Areas in Bay Head.⁴⁷

Additionally, the Atlantic Ocean, Barnegat Bay, and Twilight Lake are all subject to normal tidal fluctuations. The highest tides occur every two weeks around the periods of full moon and new moon when the moon and sun are in alignment. Once a year, Bay Head experiences a king tide which occurs when the Earth, Moon and Sun are aligned. The king tide is further enhanced when the Earth is closest to the Sun around January 2 of each year.⁴⁷

Figure 20 shows the areas of recent and recurring flooding (shown in turquoise) in relation to the critical infrastructure locations in Bay Head (purple dots) as well as the two business districts (pink areas) based upon information obtained from the Bay Head Public Works Department.

⁴⁶ The Borough of Bay Head, *Coastal Vulnerability Assessment Report*, (October 2019), pg. 7.

⁴⁷ Borough of Bay Head, *Coastal Vulnerability Assessment Report*, (2019).

Projections of flooding based on sea level rise in the Borough can be found through this virtual model based on NOAA elevation data: https://ss2.climatecentral.org/#12/40.0845/-74.0803?show=satellite&projections=0-DP16_RCP85-SLR&level=2&unit=feet&pois=hide.

2.12 Known Contaminated Sites

The *Known Contaminated Sites List for New Jersey* are sites and properties within the state where contamination of soil or groundwater has been confirmed at levels equal to or greater than applicable standards. Active sites are those sites having one or more active cases or remedial action permits where contamination has been confirmed. These sites may have any number of pending and/or closed cases.

The Borough of Bay Head has one active and known contaminated site at the NJ Transit station – Site ID 66037. The contaminated site, located at the rail yard adjacent to Twilight Lake on 1 Twilight Road⁴⁸, has been a recurring environmental concern to Bay Head residents and town officials.

As of the fall 2020, the contaminated site remains a visible public issue due to New Jersey Transit’s plans to build a new replacement substation on the NJ Transit-owned property overlooking Twilight Lake that will impact existing wetlands.⁴⁹

2.13 Air Quality

While air quality in New Jersey has improved in recent years, the State still ranks among the worst in the nation due to high concentrations of ground-level ozone according to a 2019 report by the American Lung Association.⁵⁰

The NJDEP stated that all of New Jersey’s 8 million residents are breathing unhealthy amounts of ozone pollution at some point during the summer.⁵¹ The American Lung Association gave Ocean County a failing air quality grade for ozone pollution in their 2017 report after indicating 16 days of unhealthy air quality.⁵² Much of the Jersey Shore and the South Jersey counties have received failing grades over the three-year period from 2014 until 2016. However, New Jersey has made notable progress in decreasing soot concentrations in the air, with Ocean County receiving a passing grade since 2012.⁵³

The NJDEP has identified six facilities in Bay Head with an air quality permit registered with the Division of Air Quality. These facilities are:

- The Bay Head Rail Yard
- Bay Head Public Works
- Borough Hall
- the NJ American Company Bay Head Station
- The Sanzari Marina
- The Ocean County Utilities Authority Lift Station (NPS-7)

These facilities are formally required to have a registered permit with the Department, and none appear to be a significant source of pollution or pose a risk, even though they are categorized as a “minor source of air pollution.”⁵⁴

The NJDEP has an Air Quality department and maintains a web site with local information and current air quality levels at: <https://www.nj.gov/dep/daq/>

⁴⁸ NJDEP, “Known Contaminated Sites in New Jersey Report”, (2017).

⁴⁹ The Ocean Star, “New Jersey Transit Defends Substation”, (Sept. 25, 2020), pg. 18.

⁵⁰ Len Melisurgo, “The 11 Counties with the worst air pollution in N.J.”, (NJ Advance Media for NJ.com, 2017)

⁵¹ NJDEP, *Getting to Know About Air Pollution*, (2004), 2.

⁵² Len Melisurgo, “The 11 Counties with the worst air pollution in N.J.”, (NJ Advance Media for NJ.com, 2017)

⁵³ Scott Fallon, “Air pollution in New Jersey is so bad it could be dangerous to your health to breathe”, (NorthJersey, 2018).

⁵⁴ NJDEP Division of Air Quality, “What’s in my Community” Mapping Application, (2020)

dan.paulus@gmail.com

From: Hoffman, William <whoffman@bayheadpolice.org>
Sent: Monday, February 8, 2021 8:00 AM
To: dan.paulus@gmail.com
Cc: bcurtis@bayheadnj.us; dcornell@bayheadnj.us
Subject: Police Vehicles

Mr Paulus,

When the Police Vehicles are in use, our MDT's (computers) and radio equipment are in use. Depending on the varying weather conditions, the vehicles remain running to maintain consistent temperature within the vehicle. Also, all the equipment does have a timed battery backup, however only for a certain amount of time. Once that time frame expires, everything shuts down, therefor turning off our computer Spillman System that we rely on and would require rebooting every time the MDT goes off.

As far as while out and about town ?, if the vehicles are around town, whether occupied or not, the Officers are doing their jobs to some capacity. If they are sitting in a location, they are either running radar or possibly running motor vehicle tags to locate traffic violators etc. Other times they may be on a service call. If the person asking would like to talk more about the issue, I am always around to do so. Hope this helps answer their questions. Thank you in advance, Chief.

William Hoffman/Chief

Bay Head Police Department

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