



TOWN COUNCIL MINUTES

REGULAR MEETING

April 15, 2019 @ 6:00 p.m.

The Kure Beach Town Council held its regular meeting on Monday, April 15th, 2019 beginning at 6:00 pm. There was a quorum of Council and the Town Attorney was present.

COUNCIL MEMBERS PRESENT

Mayor Craig Bloszinsky
(MPT) David Heglar
Commissioner Joseph Whitley
Commissioner Allen Oliver
Commissioner John Ellen

COUNCIL MEMBERS ABSENT

None

STAFF PRESENT

Town Clerk – Nancy Avery
Finance Officer (FO) – Arlen Copenhaver
Building Inspector – John Batson
Police Chief – Mike Bowden
Recreation Director – Nikki Keely
Public Works Director – Jimmy Mesimer
Fire Chief – Ed Kennedy

Mayor Bloszinsky called the meeting to order at 6:00 pm. Reverend Williams gave the invocation and led in the Pledge of Allegiance.

APPROVAL OF CONSENT AGENDA ITEMS

1. Appoint Dale Akstin as an Alternate Member of the Community Center Committee
2. Appoint Mo Linquist to the MPO Bicycle and Pedestrian Committee
3. Appoint Lisa Leppo to the Shoreline Access Beach Protection Committee
4. Accept Sharon Lambeth's resignation from the Community Center Committee
5. Appoint Debbie Hayden from Alternate to full Member of the Community Center Committee
6. Approve Proclamation P19-01 in support of National Safe Boating week
7. Approve Resolution R19-04 to Donate Surplus Property
8. Approve Budget Amendment 19-04, totaling \$84,020 for an unbudgeted storm water project
9. Approve the Budget Amendment 19-05, totaling \$25,000 to increase the Federal Asset Forfeiture Fund budget for additional equipment purchases
10. Minutes:
 - March 18, 2019 Regular
 - March 18, 2019 Public Hearing
 - March 18, 2019 Closed Session
 - April 1, 2019 Budget Workshop



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MOTION- MPT Heglar made a motion to move item number 6, Approve Proclamation P19-01 in support of National Safe Boating week of the consent agenda to Discussion and Consideration of Person to Address Council

SECOND- Commissioner Oliver

VOTE- Unanimous

ADOPTION OF THE AGENDA

MOTION- Commissioner Oliver made a motion to adopt the agenda as amended

SECOND- Commissioner Whitley

VOTE- Unanimous

DISCUSSION AND CONSIDERATION OF PERSONS TO ADDRESS COUNCIL

1. Cape Fear Sail & Power Squadron on National Safe Boating Week

Captain Ed Otters stated:

- Commander of the Cape Fear Squadron
- Cape Fear Sail & Power Squadron is a local chapter of America's boating club
- We learn to improve our navigation educational skills
- Engage with our boating friends with regular meetings and social activities
- Wearing a life jacket is important part of boating safety
- A lifejacket should be worn all year round
- Modern and inflatable lifejackets are comfortable and don't restrict movement
- Lifejackets save lives
- National safe boating week is May 18th-24th 2019 and allows us to bring additional focus to the wearing of lifejackets

MOTION- Commissioner Ellen made a motion to approve Proclamation P19-01 in support of National Safe Boating week

SECOND- MPT Heglar

VOTE- Unanimous

2. Denise Hubbard, Resident of Kure Beach Village on Storm Water

Denise Hubbard stated:

- Resident at 818 Cutter Court
- Thank you for allowing me the opportunity to speak with you this evening
- Will be presenting a program addressing storm water issues that occurred during Hurricane Florence



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- At the completion of the program she believes Council will clearly see the need for a comprehensive analysis of future and current storm water needs
- This analysis should be completed by a trained professional in the field
- Council should develop a plan to implement the recommendations of the analysis in a timely manner
- All federal and state infrastructure sources should be utilized to minimize the impact on the citizens of Kure Beach
- Suggestions in the PowerPoint that can be utilized immediately
- Increase maintenance of the storm water system, swales and ditches
- Encourage HOAs to draw down retention ponds, prior to a storm event
- This program only looks north of K Ave
- Former Kure Beach Village HOA president sent out a survey to Kure Beach Village residents
- There were more than 40 responses from Kure Beach Village residents indicating residential water intrusion due to “the subsequent rain and rising water
- Including homes identified by the town, 75 residences were identified as having water intrusion due to flooding
- Coastal property has always been in high demand and developers naturally want to maximize every square inch. Properties which were once maritime forests and wetlands are now the sites of some of our homes
- The Kure Beach Village storm water system carries runoff to Henniker’s Ditch
- Beachwalk HOA controls storm water using two retention ponds
- 71.64 inches of rain in 2016
- 62.64 inches of rain in 2017
- 102.40 inches of rain in 2018
- Henniker’s Ditch is the primary conduit for storm water runoff to the Cape Fear River for both Kure and Carolina Beach

Questions to be addressed:

1. Does Henniker’s Ditch need to be expanded (widened? more access points? etc.)
2. We’re competing for “ditch-space” with Carolina Beach. They *pump* water, ours is *gravity-driven*. Does our approach need to be more active than passive (pumps? more pumps?)
3. What Federal/State assistance is available to help us solve our storm water problem?



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Mayor Bloszinsky stated Council will process the information given tonight and prepare a response. He appreciates all of the effort and the information gathered.

MPT Heglar commented the Town has spent a lot of money on storm water but there is always room for improvement.

DISCUSSION AND CONSIDERATION OF COMMITTEE BUSINESS

1. Shoreline Access and Beach Protection

Chair Person Dennis Panicali stated thank you to the Public Works department for putting up the new beach signs at the public beach accesses.

2. Planning & Zoning Commission

a. Recommendation regarding Special Use Permit application for Sun Fun Rentals

Chairman Craig Galbraith stated:

- Planning & Zoning is bringing two items before Council tonight
- The first item is a recommendation regarding a special use permit for Sun Fun Rentals
- Applicant applied for a special use permit
- During the last meeting the commission discussed the item and decided to bring it forward to Council with a few conditions
- Whenever you're in the B1 district you need to be cautious of lighting
- We recommend an appropriate lighting plan
- Lighting needs to be fully shielded for dust and dawn
- The commission recommends approving subject to the conditions as the commission has identified as presented in the agenda packet

Building Inspector Batson stated he has received all documentation required by Planning and Zoning commission.

MOTION- MPT Heglar made a motion to schedule a Public Hearing on the Special Use Permit (SUP) application for Sun Fun Rentals on May 20, 2019 at 5:00 pm

SECOND- Commissioner Ellen

VOTE- Unanimous



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- b. Proposed text amendment Chapter 19 (Zoning), Article III (District regulations), Division 10 (B1 business district), Section 243 (Permitted and Special Uses in the B1) to add 'Golf cart rentals' with a SIC code of 7999 as an allowable use only via a Special Use process and associated amendment insert in the conversion table of the Code

Chairman Craig Galbraith stated:

- The second item before Council is an amendment to the code
- Fairly recent case decision by the supreme court
- If you don't identify prohibited uses in zoning then they are allowable uses
- The ordinance doesn't currently identify golf cart rentals
- Building Inspector Batson thought it would fall under Special Use Permit
- It will clean up the language
- Recommendation from P&Z commission is to approve this item

MOTION- MPT Heglar made a motion to schedule a Public Hearing to amend Chapter 19, Article III, Division 10, Section 243 to add 'Golf cart rentals' with a SIC code of 7999 as an allowable use only via a Special Use process on May 20, 2019 at 5:00 pm, right after the Public Hearing on the SUP

SECOND- Commissioner Oliver

VOTE- Unanimous

DISCUSSION AND CONSIDERATION OF DEPARTMENT HEAD BUSINESS

1. Administration

a. CAMA grant pre-application submission approval

Town Clerk Avery stated:

- Memo included in the agenda packet for the pre-application for the CAMA grant
- It will replace the beach access 1004 ½
- Currently only accessible by stairs and the grant would replace it with an ADA ramp with solar lighting
- Estimate is \$80,000 total with a cash match from the Town of \$20,000
- Requesting approval to move forward with the grant application
- The Town won't know till August if we move past the first part of the process
- The grants won't be granted till September

MOTION- MPT Heglar made a motion to direct the Town Clerk to apply for the CAMA grant as discussed

SECOND- Whitley

VOTE- Unanimous



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- b. Renewal of combined license for MOTSU property leased at JE Park and Assembly Way water tower and payment options
- Town currently leases 3 properties with Military Operations at Sunny Point
 - Two leases have expired and one is about to expire
 - MOTSU has decided to combine two leases into one
 - The lease will be for 5 years
 - New annual cost will be \$13,400 compared to prior years of \$17,150
 - MOTSU is now also offering in kind service
 - In kind service may be offered for the fencing that MOTSU may be requesting which is similar to the fencing put along the bike path in Carolina Beach
 - Asking Council if you want to continue the conversation about the in kind services or go ahead and pay the annual fee

Mayor Bloszinsky stated he would like to commend Town Clerk Avery for saving tax payers over \$3000 for her campaign and for her outstanding work on the in kind service.

MPT Heglar stated we need to discuss this as he knows some citizens that won't like the fencing in certain areas.

Mayor Bloszinsky directed Town Clerk Avery to proceed with the discussion of in kind services offered with MOTSU.

2. Recreation

Recreation Director Keely stated:

- Reminder the Street festival is next weekend
- 38 vendors have registered this year

DISCUSSION AND CONSIDERATION OF OLD BUSINESS

1. Town Facility Construction Project Status Update

- Approve change orders totaling \$30,640

Commissioner Oliver stated:

- Change order number 4 cleans up a few items
- Still under budget on the project
- Change order 5 will be ready by the next Council meeting

MOTION- MPT Heglar made a motion to approve the change order totaling \$30,640

SECOND- Commissioner Whitley

VOTE- Unanimous



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2. Dedication Ceremony Update

Commissioner Ellen stated:

- Dedication is May 11th starting at 10am
- Announcement has been posted on Town website
- Open house and refreshments will be from 11am - 2pm
- Ribbon Cutting will be outside
- Unveiling of dedication sign will be after the ribbon cutting
- All food is being donated from local restaurants and vendors
- The band is donating the performance

DISCUSSION AND CONSIDERATION OF NEW BUSINESS

1. Annual free bulk trash pickup

Commissioner Whitley stated:

- Spoken with Public Works Director Mesimer
- The department picked up a lot after Hurricane Florence
- Public Works Department is still trying to catch up from the hurricane
- The bulk pickup would put Public Works farther behind if the Town doesn't push this pickup to the fall

Public Works Director stated after the Hurricane the pickup cost was over \$100,000. The bulk pickup is not free. Last year it cost the Town \$10,000 - 12,000 to do this bulk pickup. Not counting equipment wear or employees time.

MPT Heglar stated he is against the bulk pickup. The Town has a process on Thursdays for residents to get rid of debris by paying for it themselves.. People bring debris from other Towns and drop it off for Public Works to take to the dump.

Mayor Bloszinsky stated Council can look at this when it gets closer to the fall.

MOTION- MPT Heglar made a motion to cancel the annual free bulk pickup for the spring

SECOND- Commissioner Whitley

VOTE- Unanimous

MAYOR UPDATES

Mayor Bloszinsky stated:

- Beach Nourishment is on schedule
- Should be complete by May 2nd weather permitting
- The corps has till May 15th to finish
- North end of city looks good



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COMMISSIONER ITEMS

Commissioner Whitley stated:

- Tuesday May 21st will be the final presentation of the MOTSU joint land use plan study
- It will be an open meeting to the public
- The meeting will start at 5:00 pm at Town Hall

Mayor Bloszinsky stated this is a very important meeting as the Town will find out what we shall receive from the federal government regarding the requests made and the impacts to Sunny Point.

MPT Heglar commented the Emergency management policy will be discussed at the May Council meeting for any changes that need to be made before it is approved at the June Council meeting. He also encourages citizens to have flood polices. It's a great investment for the issues with storm water.

Building Inspector Batson stated a preferred risk policy runs on average about \$432 a year

MOTION- MPT Heglar made a motion to go into closed session for consultation on a personnel matter with the attorney as per N.C.G.S. 143-318.11(a)(6) at 7:21

SECOND- Commissioner Oliver

VOTE- Unanimous

MOTION- Commissioner Oliver made a motion to return into open session at 8:10 pm

SECOND- MPT Heglar

VOTE- Unanimous

MPT Heglar stated in closed session Town Council discussed guidance to the Town Clerk clarifying issues in the personnel policy. Gave direction on hiring a safety officer and personnel auditor for the Town. Council gave guidance to him and the Mayor for the sandman lots.

MOTION- MPT Heglar made a motion to adjourn the meeting at 8:12 pm

SECOND- Commissioner Oliver

VOTE- Unanimous



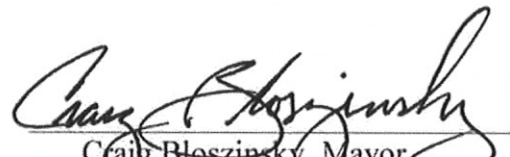
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ATTEST


Nancy Avery, Town Clerk


Craig Bloszinsky, Mayor

NOTE: These are action minutes reflecting items considered and actions taken by Council. These minutes are not a transcript of the meeting. A recording of the meeting is available on the town's website under government>council.

**STORMWATER INTRUSION
INTO
KURE BEACH RESIDENCES
DUE TO
HURRICANE FLORENCE 2018**

Denise Malloy Hubbard

with the assistance of

Bob Cooil Jim Dugan Vito Formica

and the Kure Beach Village Homeowner's Association

Kure Beach Recognized For Lower Flood Insurance Rating

- May 27, 2015
- Written by [Managing Editor \(/news-10/index.php/news/local-news1/itemlist/user/915-managingeditor\)](#)
- Published in [Local News \(/news-10/index.php/news/local-news1\)](#)

By WILLARD KILLOUGH III
Managing Editor

KURE BEACH - The Town of Kure Beach has achieved a new rating under the Community Rating System for the National Flood Insurance Program that saves homeowners money on their insurance policies. Building Inspector John Batson received a plaque at the Council's May 19th, meeting from John Gerber - NC Emergency Management - to acknowledge the Town as a member of the Community Rating System (CRS). Gerber explained, "The Town of Kure Beach has been in the National Flood Insurance Program since 1982 and obviously there are a lot of good reasons you want to do that down here at the beach, of course primarily it's an insurance program that allows your citizens to be able to carry flood insurance." He explained, "The work and the higher standards that the Town has incorporated and is administering is to be commended because actually you go beyond what FEMA's (Federal Emergency Mangement Agency)

"The Town of Kure Beach has been in the National Flood Insurance Program since 1982 and obviously there are a lot of good reasons you want to do that down here at the beach, of course primarily it's an insurance program that allows your citizens to be able to carry flood insurance."

He explained, "In the early 1990's FEMA decided to recognize communities for exceptional efforts by reducing flood insurance premiums through the Community Rating System or CRS. A list of activities related to floodplain management and a credit based point system was established. Communities receive a 5% discount for each class they advance from a Class 10 (no discount) to Class 1 (45% discount)." Gerber said the Town was awarded a class 8 rating on May 1st of this year. He said, "Distinguishing itself as one of a v participating He explained than \$259 m

"Today, there are 985 flood insurance policies in force in the Town. That represents more than \$259 million in flood insurance coverage."

VE) can now receive a 10% discount on their policy premium, which is an average savings of \$132 per policy. Policyholders in the lower risk areas or Zones X are eligible for a 5% discount. In total, policyholders realize an annual savings of \$36,243 because Kure Beach participates in the CRS. The Town, in its CRS program, is implementing and receiving credit for activities related to obtaining and maintaining Elevation Certificates for structures; providing map information services; conducting education and outreach;

providing flood hazard disclosure; providing flood protection technical management planning."

Gerber said, "On behalf of the Kure Beach on its continued effort result in a community that is more resistant to flood damage and more resilient. Congratulations to the Town on its achievement of CRS Class 8 rating." Mayor Pro Tem Craig Bloszinsky said, "John Batson, you virtually took that on single handily and I want to recognize the work you did in saving this money for Kure Beach."

"On behalf of the State of North Carolina and FEMA Regions IV, we recognize the Town of Kure Beach on its continued efforts toward outstanding floodplain management."



[MANAGING EDITOR \(/NEWS-10/INDEX.PHP/NEWS/LOCAL-NEWS1/ITEMLIST/USER/915-MANAGINGEDITOR\)](#)



Hurricane Florence makes landfall as a Category 1 Hurricane

Early, on September 14, 2018, Hurricane Florence made landfall just south of Wrightsville Beach, and stayed for several days -- resulting in widespread flooding in Kure and Carolina Beach.



Cutter Court Flooding



Unfortunately, Florence struck in the middle of the night.

Cutter Court Flooding



2001 flooding shown here. It was less severe than Florence but is representative of the amount of standing water on Cutter Court. After this flood, larger pipes were installed and the flooding problem was alleviated ...until 2016 to the present.

Cutter Court Flooding



Cutter Court Flooding



Cutter Court Flooding



Cutter Court Flooding





[23/40]

Carolina Lake flooded from Hurricane Florence in Carolina Beach, N.C., Monday, September 17, 2018. Monday was the first day that Pleasure Island opened up to residents. [Matt Born/StarNews Photo]

Carolina Beach Lake – 3 days after Hurricane Florence made landfall.

Questionnaire

In an effort to determine the scope of the flooding within Kure Beach Village, former KBV HOA Board of Directors officer Vito Formica created, distributed and collected a simple questionnaire – asking if homeowners had water intrusion due to floodwaters caused by the torrential rains which overwhelmed the storm water systems.

Questionnaire sent by Kure Beach Village re: Florence Flooding

On Wednesday, November 7, 2018, Kure Beach Village HOA <kbvhoa@outlook.com> wrote:



Dear Homeowner,

Please make a choice below

During hurricane Florence, and the subsequent rain and rising water that followed, did you have any water get into your home?

Please click on one of the choices below...

[YES](#)
[NO](#)

There were more 40 responses from Kure Beach Village residents indicating residential water intrusion due to “the subsequent rain and rising water”.

Even with the positive responses, there is anecdotal evidence that the number of households with water intrusion is under-represented.

Why?

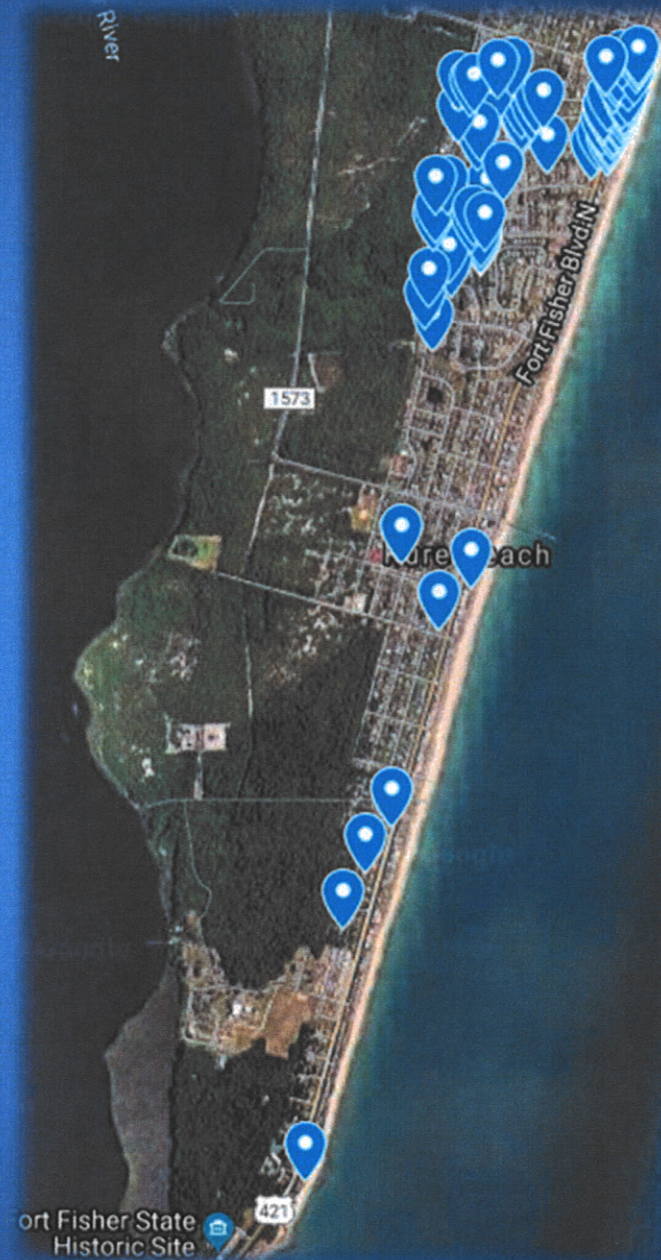
Fear that responding or reporting would result in ...

HIGHER INSURANCE RATES!

LOWER RESALE / PROPERTY VALUES!

Satellite Google Map
Showing locations of flooded
residences.

Including homes identified by
the town,
75 residences were identified
as having water intrusion due
to flooding.



(source: Kure Beach Village survey / Town of Kure Beach Inspections John Batson)

Possible Contributing Factors

DEVELOPMENT and LOSS OF WETLANDS

Development is necessary for the growth of any community.

It is a net positive for the quality of life – a better tax base means more services.

...but we have to recognize it comes with a cost:

- The need for increased infrastructure and additional maintenance.
- Unintended consequences for existing infrastructure.

Coastal property has always been in high demand and developers naturally want to maximize every square inch. Properties which were once maritime forests and wetlands are now the sites of some of our homes

DEVELOPMENT and LOSS OF WETLANDS

Kure Beach Club
now known as
Kure Beach Village

One of the first
developments, it
was originally a
planned unit
development
offering small,
single-story
residences.

The Kure Beach
Village stormwater
system carries
runoff to
Henniker's Ditch.



DEVELOPMENT and LOSS OF WETLANDS

As Kure Beach Village, expands, a townhome development, The Keys, are added.

...using a retention pond to handle storm water runoff. The Keys retention pond may overflow to the Kure Beach Village stormwater system

Note: neighboring community, Kure Dunes' retention pond overflows to the Keys.



DEVELOPMENT and LOSS OF WETLANDS

Kure Beach Village,
expands further...

...using a retention
pond and storm
water piping to
Henniker's Ditch to
handle storm water
runoff.



DEVELOPMENT and LOSS OF WETLANDS

Kure Estates came later...

Originally part of a maritime forest it required changes to the natural elevation.

It uses a retention pond and swales to handle storm water runoff.

Note: the Kure Estates retention pond overflows to the Kure Beach Village stormwater system



DEVELOPMENT and LOSS OF WETLANDS

SeaWatch was built on the site of the LaQue Corrosion Research site – essentially in a basin.

It uses a retention pond to handle stormwater runoff.

Hundreds of truck loads of dirt were necessary to achieve it's current elevation.



DEVELOPMENT and LOSS OF WETLANDS

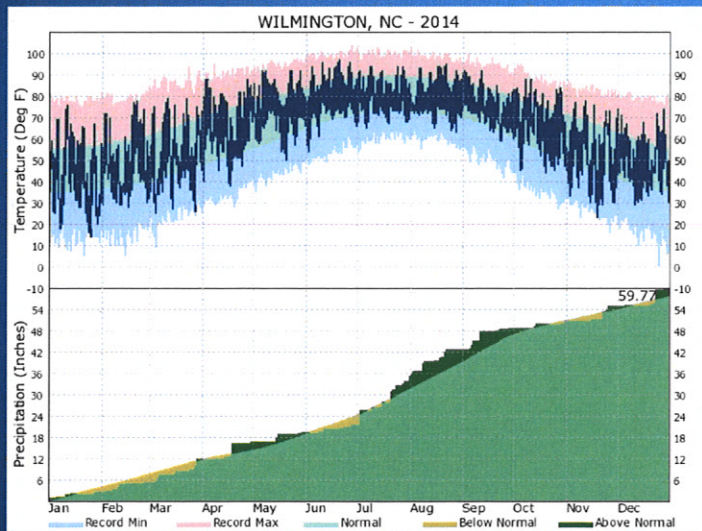
Additional developments north of K Ave. include:

Kure Dunes - controls stormwater using a retention pond that overflows to the Keys retention pond. (Which overflows to the Kure Beach Village system.)

Beachwalk – controls stormwater using two (joined) retention ponds that originally overflowed to a planned retention pond in Kure Dunes, on Sandman Dr. – which has been removed. Overflows to a ditch that runs parallel to K Ave. to the Cape Fear River.

Other developments closer to Ft. Fisher Blvd. use swales and ditches to control stormwater runoff.

RAIN!



Rainy facts

102.4 inches: The amount of rainfall in Wilmington in 2018, a new record

83.65 inches: The former record, set in 1877

23.02 inches: The amount of rain that fell during Hurricane Florence

79.38 inches: The amount of rain that would have fallen without the hurricane, which would still have been the fourth rainiest year on record

58.96 inches: The amount of rain that fell on the 17 wettest days of 2018

57.61 inches: Wilmington's average annual rainfall

24.13 inches: The amount of rain that fell in September, a new record

14.36 inches: The amount of rain that fell in May, a new record

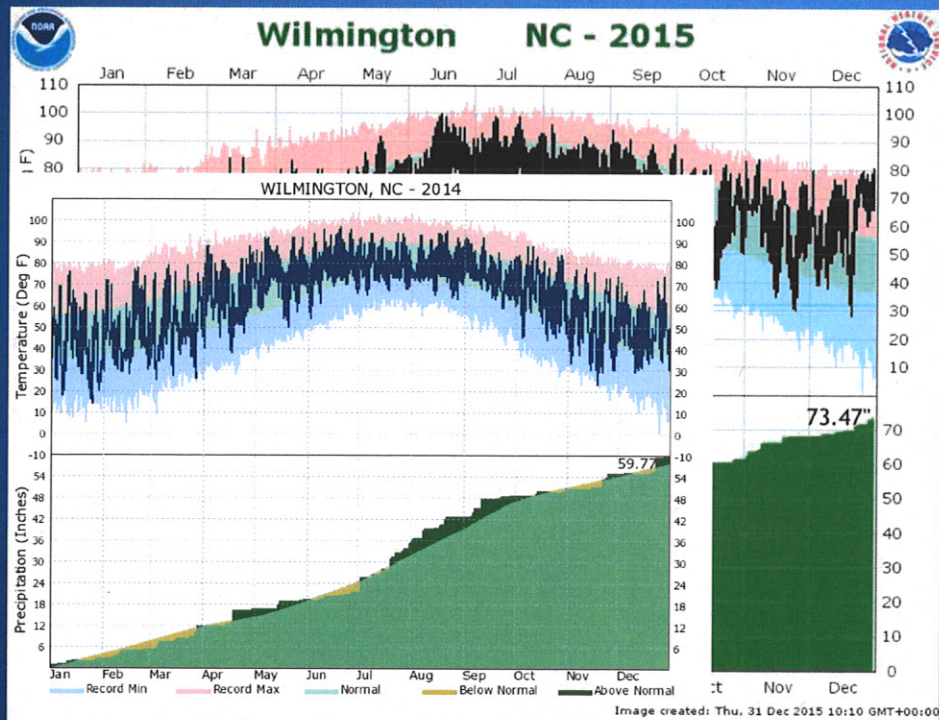
8: The number of days in 2018 that saw new daily rain records set

Sept. 16: The date the new annual rainfall record was set

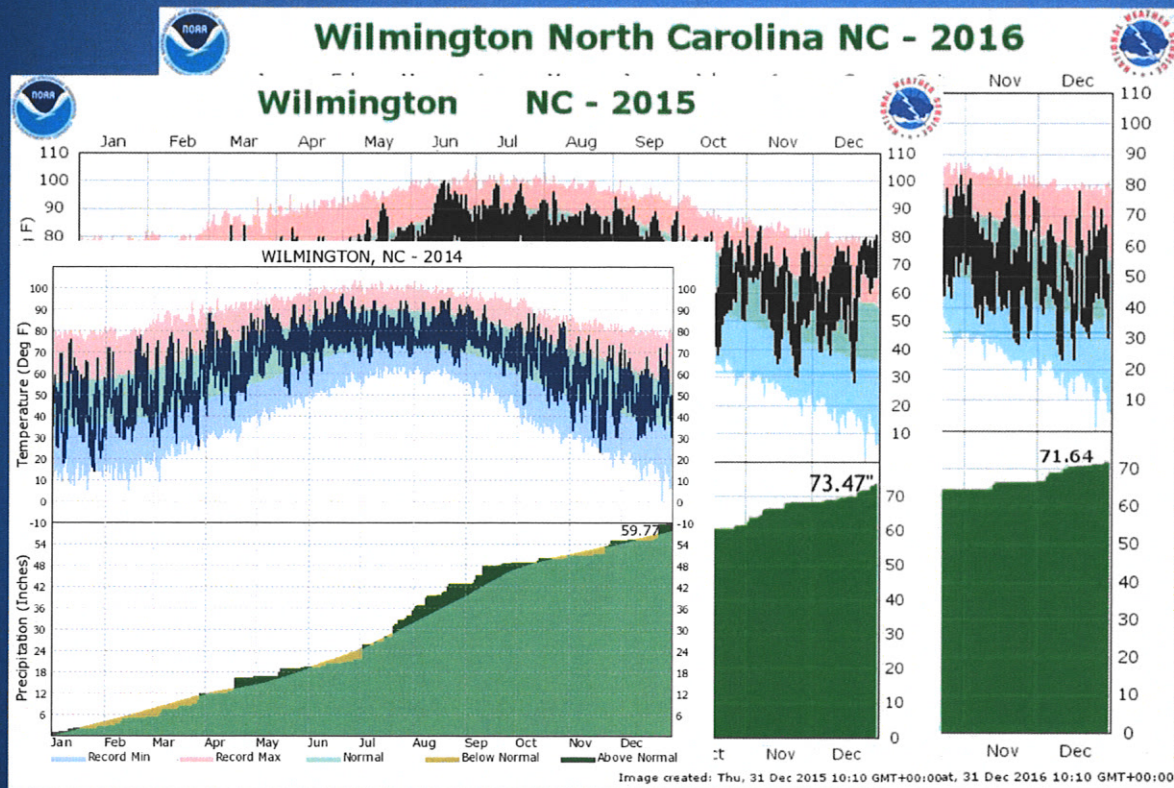
Dec. 15: When Wilmington received its 100th inch of rain

Source: National Weather Service

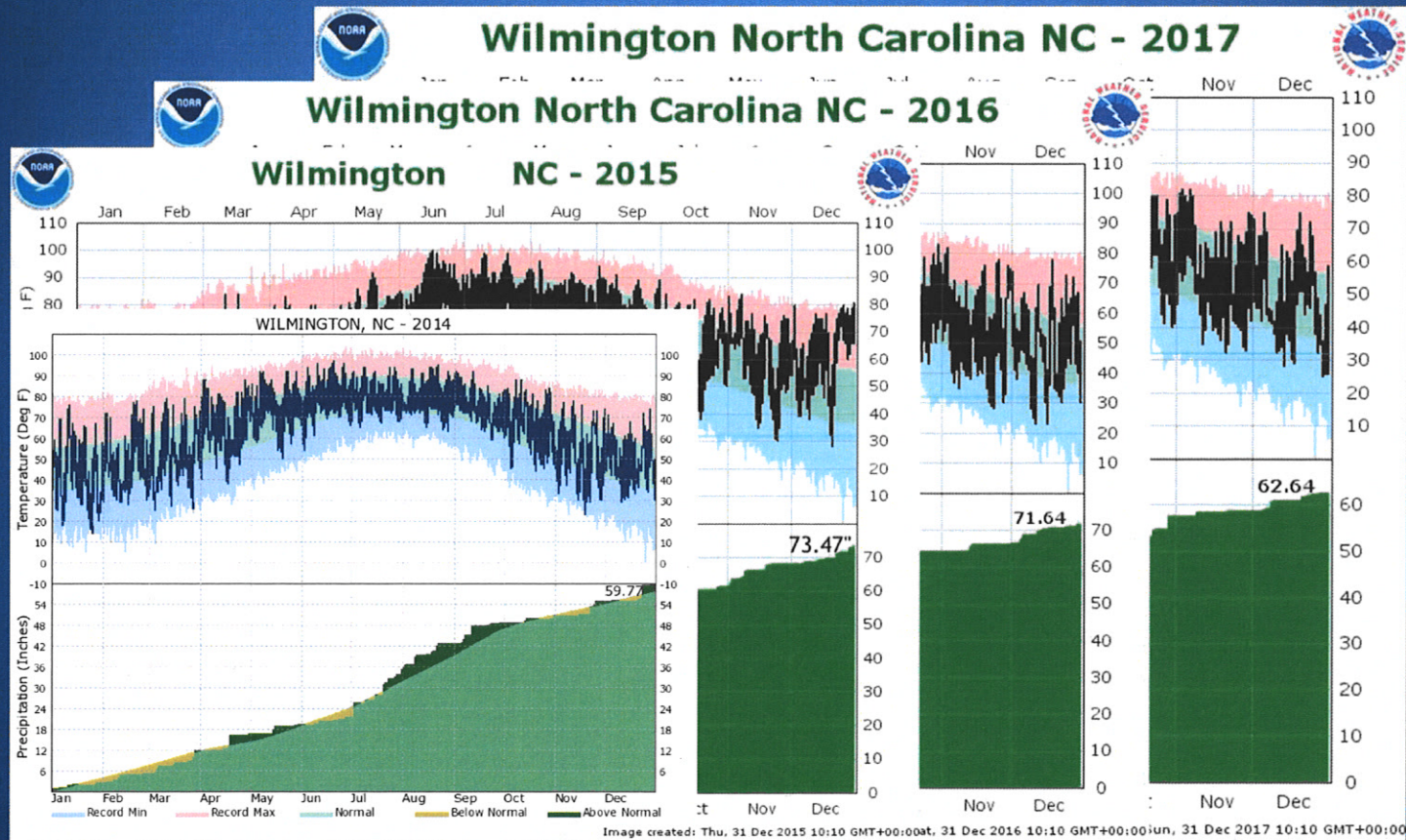
RAIN!



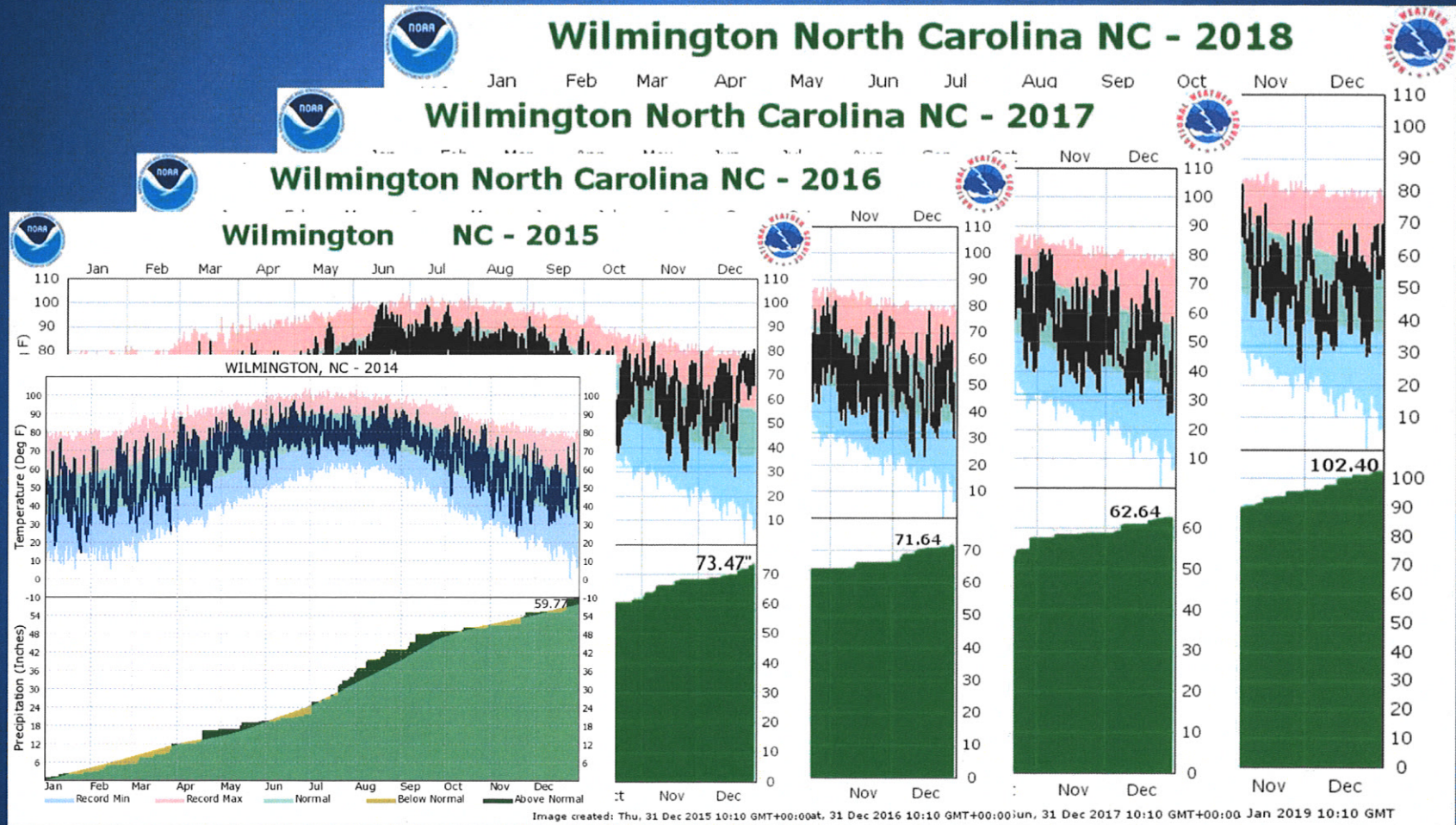
RAIN!



RAIN!



RAIN!



HENNIKER'S DITCH

Henniker's Ditch is the primary conduit for stormwater runoff to the Cape Fear River for both Kure and Carolina Beach.

Community access to Henniker's Ditch:

Carolina Beach **(yellow)**

Kure Beach **(blue)**

Common outlet to Cape Fear River **(green)**



HENNIKER'S DITCH

Flood map showing
the location of the
Kure Beach connection
to Henniker's Ditch and K
Ave. outflows
(in blue)



HENNIKER'S DITCH



Before

Requiring a major clean-up.

(source: MOTSU BufferZonePPT_072109website)

In 2009 the ditch was overgrown



After



PROJECTS

[Home](#) » [projects](#) » [Directional Drill to Henniker's Ditch](#)

[Bids and Specifications](#)

[Construction Schedule](#)

[Plans and Drawings](#)

[FAQs](#)

[BACK to PROJECTS page](#)

Directional Drill to Henniker's Ditch - Stormwater Project

To control stormwater flooding, the Town currently draws water down in the Lake basin through the operation of 12" pumps that lead to Henniker's Ditch. The Town currently has one 16" force main which can handle discharge from only one of the two 12" pumps at the Lake. A new 16" force main line will allow for two pumps to operate simultaneously, which allow for quicker drawdown and improved capacity to handle runoff from heavy rain. The connecting segments along 3rd Street to the Lake and between Birmingham Avenue street end and Sumter Avenue will be installed via conventional excavation construction methods.



In 2016
Carolina Beach
Increased access to
Henniker's Ditch
by adding a second
16" force main line
-- doubling the
amount of discharge
to the ditch.

Shifting Flood Designation

- 100 Year Floods happening more frequently.
- More powerful storms occurring (Cat 4 & 5)
- Florence was a Cat 4 before being downgraded – making landfall as a VERY SLOW MOVING Cat 1.
- In Kure Beach, the 100 year floodplain is migrating from the oceanside to the Cape Fear River – and will eventually affect everyone's insurance rates.

Shifting Flood Designation

Nearly 500 Wilmington properties added to new FEMA flood zone map

portcitydaily.com/local-news/2018/07/08/nearly-500-wilmington-properties-added-to-new-fema-flood-zone-map

July 7, 2018

WILMINGTON—Soon, nearly 500 properties in Wilmington will be designated within FEMA's Special Flood Hazard Area, which will cause insurance adjustments for residents by late August.

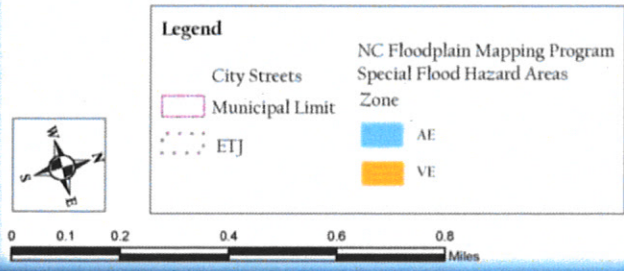
Nearly 800 parcels, including 453 residential and 14 commercial structures, will likely see increased insurance under FEMA's new flood zones.

In New Hanover County - not including Wilmington's city limits - approximately 698 structures will soon be added to FEMA's "AE Zone." This zone is referred to as the 100-year floodplain, slightly less risky than the "VE Zone," which is designated for high-velocity area subject to wave action.

In other words, more properties are at risk from flooding, while fewer are at risk from the direct impact of ocean waves.

Prior to Hurricane Florence

Shifting Flood Designation



The preparation of this map was financed in part through a grant provided by the North Carolina Coastal Management Program, through funds provided by the Coastal Zone Management Act of 1972, as amended, which is administered by the office of Ocean and Coastal Resources Management, National Oceanic and Atmospheric Administration.

Map prepared by:
 Scott Jegerl
 Cape Fear Council of Governments
 1480 Harbour Drive
 Wilmington, NC 28401

Kure Beach
 North Carolina

CAMA Land Use Plan
 Special Flood
 Hazard Areas Map

Shifting Flood Designation



2006

Shifting Flood Designation



Mar 8, 2019

Legend

- | | |
|-------------------|---|
| Panels | Flood Hazard Areas |
| Political Areas | AE |
| Stream Centerline | Floodway (AE) |
| Cross Sections | 0.2 % Chance Annual Flood Hazard |
| Levee | Future Conditions 1% Annual Chance Flood Hazard |

North Carolina Floodplain Mapping Program



Shifting Flood Designation



Legend

Panels	Flood Hazard Areas
Political Areas	AE
Stream Centerline	Floodway (AE)
Cross Sections	0.2 % Chance Annual Flood Hazard
Levee	Future Conditions 1% Annual Chance Flood Hazard

North Carolina Floodplain Mapping Program



Questions to be addressed

We are experiencing more frequent and more powerful climate events where our current storm water system is overwhelmed.

- Does Henniker's Ditch need to be expanded (widened? more access points? etc.)
- We're competing for "ditch-space" with Carolina Beach. They *pump* water, ours is *gravity-driven*. Does our approach need to be more active than passive (pumps? more pumps?)
- What Federal/State assistance is available to help us solve our storm water problem?

Why Now?

All of our stormwater systems are inter-related. When one reaches capacity, it overflows to the next.

A failure of one retention pond leads to a cascading failure of others, eventually leading to a failure of the entire system.

This leads to homes being flooded - causing unnecessary short-term and long-term costs to the homeowners. This destroys home values resulting in a shrinking tax base.

Many residents have drainage systems, temporary and permanent, to remove stormwater from their property. Those systems are useless once the stormwater system fails.

We can get the water out of our yards. We can get our neighbor's water out of our yards. We can't get the town's water out of our yard.

What are we asking for?

A comprehensive analysis of our current and future stormwater needs.

Implementation of recommendations coming from the analysis.

The use of any and all Federal and State infrastructure funding sources to minimize the financial impact to the citizens of Kure Beach.

What are we asking for?

Increased maintenance of stormwater systems, swales and ditches.

Increased enforcement of existing stormwater regulations in anticipation of the upcoming storm season.

Encourage HOAs to draw-down retention pond water levels before storm events.



Thank You!