# Tendring District Parish and Town Council: Community Resilience Event 13 September 2016

**Catherine Boyer-Besant** 



### Introductions

## **WELCOME!**

### **Recent Events**

**Catherine Boyer-Besant** 



# What's been happening since June 2016

### July

- 8<sup>th</sup> Pollution Report marine
- 10<sup>th</sup> UXB Dovercourt
- 11<sup>th</sup> Power Outage
- 12<sup>th</sup> Severe Weather Warning RAIN
- 12<sup>th</sup> Power Outage
- 13<sup>th</sup> Power Outage

### August

- 20<sup>th</sup> Severe Weather Warning RAIN and WIND
- 23<sup>rd</sup> Heathealth Watch Level 3
- 25<sup>th</sup> Reservoir
- 27-28<sup>th</sup> Severe Weather Warning RAIN
- 30<sup>th</sup> Speedboat @ Hutleys



# What's been happening since March 2016

### September

- 3<sup>rd</sup> Reservoir
- 10<sup>th</sup> Severe Weather RAIN?????
- 18<sup>th</sup> 20th Very High Spring Tides

### October

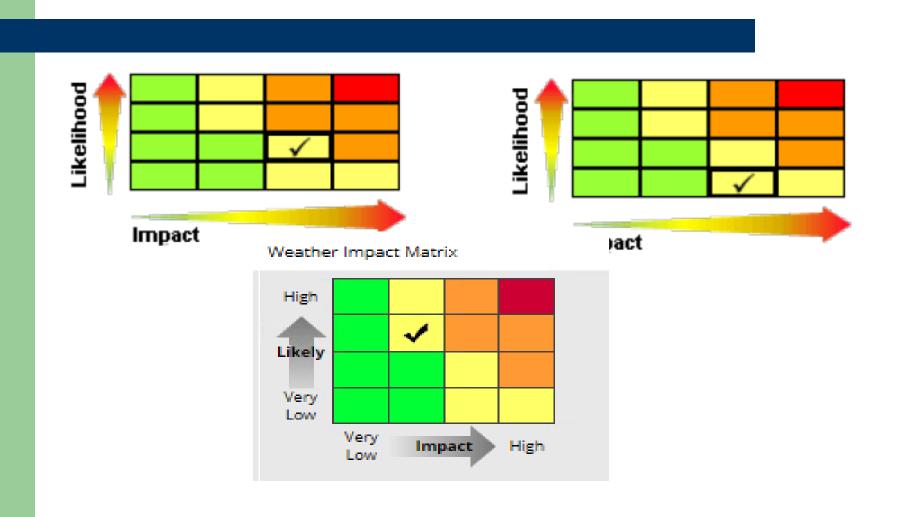
- 17<sup>th</sup> – 19<sup>th</sup> very High Spring Tides

# Review of the Events Leading up to and of 23<sup>rd</sup> June 2016

Catherine Boyer-Besant - TDC
John Hammond - Met Office
Guy Cooper - Environment Agency



## Remember the TDC TRIGGERS?





### 21st June from 10:27

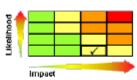
JH: John Hammond / N (EA): Nick

- Met Office issue <u>ALERT</u> RAIN for 23<sup>rd</sup> June
- CBB discuss with JH
  - Possibility of teleconference due to residual issues from previous events
- CBB discuss with N (EA)
  - Possibility of teleconference due to residual issues from previous events



### National Severe Weather Warning Service





Chief Forecasters Assessment increasingly warm and humid air will arrive from France later on Wednesday, bringing with it an increased risk of thunderstowns.

At this stage, there is still room for error in the northwestward extent of this airmass, and also how widely thunderstorms develop and where. The southeast of the warning area is currently considered most at risk and updates to the warning will be made as new information becomes available. 30 mm or more could fail in an hour very locally, with 50 mm or more in 2 hours.

The Met Office have issued a Yellow Alert of Rain

Valid from 18:00 on Wed, 22nd Jun 2016 until 06:00 on Frl, 24th Jun 2016

Although many areas will probably miss them, scattered but potentially intense thundery downpours seem likely to affect parts of the warning area from late Wednesday and through Thursday.

Please be aware of possible localised "medium" impacts from either flooding or frequent lightning.

For more details please go to: http://www.metoffice.gov.uk/public/weather/warnings

Issued by the Met Office at 10:23 on Tue, 21st Jun 2016

For enquiries regarding this warning please contact the Met Office Weather Desk
Phone: 0370 900 0100 Fax: 0370 900 5050 E-mail: enquiries@metDmc.gov.uk

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### 21st June from 10:27

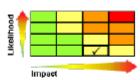
JH: John Hammond / N (EA): Nick

- CBB liaise with TDC services for heads-up:
  - Engineering
  - GOLD
  - Environmental (cascade)
  - IT & Resilience (cascade)
- CBB liaise with ECPEM Duty Officer re conversation over teleconference



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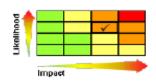
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Phone: 0370 900 0100 Fax: 0370 900 5050 E-mail: enquiries@meloffice.gov.uk
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## **22nd June from 10:20**



#### National Severe Weather Warning Service





Chief Forecasters Assessment increasingly warm and humid air arriving from France later on Wednesday brings with it a risk of thunderstorms. These thunderstorms are likely to occur in a couple of main waves, from Wednesday late afternoon or early evening into early Thursday and a second wave breaking out later on Thursday.

Where thunderstorms occur torrential rain and frequent lighthing are expected, as well as a chance of some hail. 30 mm or more of rain could fall in an hour and locally in excess of 50 mm is possible in two or three hours.

The Met Office have issued an Amber Warning of Rain

Valid from 18:00 on Wed, 22nd Jun 2016 until 06:00 on Thu, 23rd Jun 2016

Although some areas may miss them, potentially intense thundery downpours are likely during Wednesday evening from Wednesday evening and overnight into Thursday.

Please be prepared for possible disruption to travel and localised flooding as well as frequent lightning.

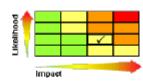
For more details please go to: http://www.metoffice.gov.uk/public/weather/warnings

Issued by the Met Office at 10:21 on Wed, 22nd Jun 2016



### National Severe Weather Warning Service





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Note that the northwestward extent of these thunderstorms remains a little uncertain and parts of southeastern England are considered most likely to be affected; with this in mind an amber warning has been issued for this area from Wednesday evening through until early Thursday.

The Met Office have issued a Yellow Alert of Rain

Valid from 18:00 on Wed, 22nd Jun 2016 until 06:00 on Frt, 24th Jun 2016

Although some areas will miss them, potentially intense thundery downpours seem likely to affect parts of the warming area from Wednesday late afternoon or early evening onwards into the early hours of Thursday or Thursday morning. Further scattered thunderstorms are then likely to break out from Thursday afternoon onwards into Thursday night.

Please be aware of possible disruption to travel and localised flooding as well as frequent lightning.

For more details please go to: http://www.metoffice.gov.uk/public/weather/warnings.

For enquiries regarding this warning please contact the Met Office Weather Desk
Phone: 0370 900 0100 Fax: 0370 900 5050 E-mail: enquiries@metoffice.gov.uk
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 Met Office update ALERT and issue Amber WARNING

### **22nd June from 10:20**

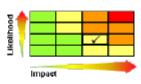
AG: Alan Goodman GC Guy Cooper

- Met Office issue <u>ALERT</u> RAIN
- CBB discuss with AG(Met Of)
  - Clearer sitrep
- CBB discuss with GC (EA)
  - Clearer sitrep and further consideration telecon



### National Severe Weather Warning Service





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# There was another significant event happening on 23<sup>rd</sup>!





### **22nd June from 10:20**

AG: Alan Goodman GC Guy Cooper

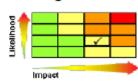
### CBB initiate cascade:

- Parish & Town Councils
- Caravan, Camping and Chalet Parks
- Piers
- COMAH Sites
- Internal TDC cascade for EP
- ALL TDC Users email
- Mapping of Surface Water
   Flooding & Polling Stations



### National Severe Weather Warning Service





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### **22nd June from 10:20**

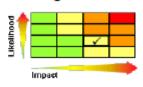
AG: Alan Goodman (Met Office) GC Guy Cooper (EA)

Essex Multi-Agency
 Teleconference @ 1400



### National Severe Weather Warning Service





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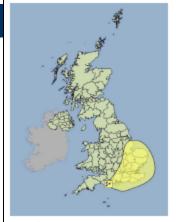
### 23<sup>rd</sup> June from 06:00

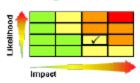
 First reports of flooding and flooded properties received and continue through the day and for the following 2 weeks (approx)

 Met Office issue WARNING for 23rd



### National Severe Weather Warning Service





Chief Forecasters Assessment Warm and humid air has spread into roughly the southeastern quarter of the UK, bringing with it a risk of thunderstorms this afternoon and evening. Where thunderstorms occur tomential rain and frequent lightning are expected. 30 mm or more of rain could fail in an hour and locally in excess of 50 mm is possible in two or three hours.

The Met Office have issued a Yellow Warning of Rain

Valid from 10:30 on Thu, 23rd Jun 2016 until 02:00 on Frl, 24th Jun 2016

Although some areas will miss them, potentially intense thundery downpours are likely this afternoon and evening before they clear later this evening or during the early hours of Friday.

Please be aware of possible disruption to travel and localised flooding as well as frequent lightning.

For more details please go to: http://www.metoffice.gov.uk/oublic/weather/warning

Issued by the Met Office at 10:23 on Tue, 21st Jun 2016

Updated by the Met Office at 10:28 on Thu, 23rd Jun 2016



New warning issued for 26<sup>th</sup>

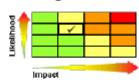
 Continue to receive reports of flooded properties and roads for the next couple of weeks





### National Severe Weather Warning Service





Chief Forecasters Assessmen The remnants of the deeply unstable airmass of the past few days are expected to remain over the extreme southeast of the UK through today. As probably lead to further heavy showers developing, although these are unlikely to be guite as heavy as yesterday. Rainfail rates of 15 mm in an hour could occur locally.

Valid from 13:00 on Sun, 26th Jun 2016 until 17:00 on Sun, 26th Jun 2016

Following this morning's heavy showers, further heavy showers are likely to develop for a time this afternoon across eastern parts of both East Anglia and Kent. Although some places will miss the showers, please be aware of the risk of localised impacts due to surface water flooding, especially in locations where the ground is already very wet, following heavy rain during the past few days.

The showers should quickly die out later this afternoon.

For more details please go to:

Issued by the Met Office at 10:46 on Sun, 26th Jun 2016

For enquiries regarding this warning please contact the Met Office Weather Desi Phone: 0370 900 0100 Fax: 0370 900 5050

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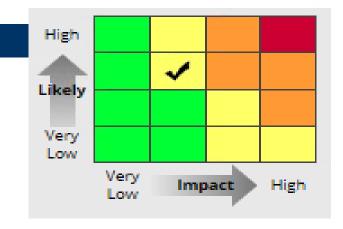
### Reminder of TDC TRIGGERS

**Catherine Boyer-Besant** 



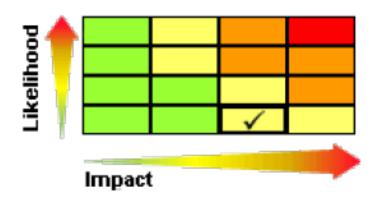
### **TRIGGERS**

GREEN = no significant weather, so no warnings are in force



YELLOW = warning in force
BUT CHECK LIKELIHOOD & IMPACT

YELLOW = IMPACT LOW TDC Internal cascade to give Services Heads-up of potential problems.



YELLOW = **IMPACT MEDIUM OR ABOVE** 

Full cascade to P&T Councils, caravan parks, Piers and COMAH Sites



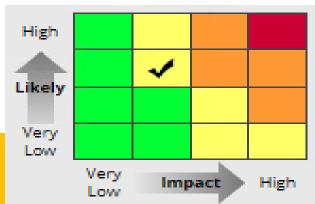
# Why don't we cascade further?

YELLOW = IMPACT LOW

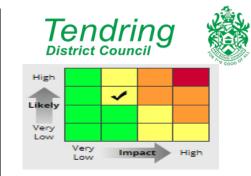
This doesn't mean there won't be any significant impact, it is just a method to try to manage

The Boy Who Cried Wolf.





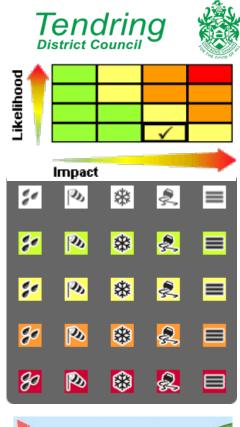
	Very Low	Low	Medium	High
A ferout Roa afferond	ocalised looding of low- ying land and susceptible loads.	Localised flooding of homes and businesses and susceptible roads  Some transport routes and travel services affected. Some journeys require longer travel times.  Road conditions affected by spray and standing water.  Localised and short term disruption to utilities and services	Medium  Flooding of homes and businesses.  Danger to life from fast flowing/deep water.  Damage to buildings/ structures.  Transport routes and travel services affected. Longer journey times expected. Some road closures.	High  Widespread flooding of homes and businesses.  Danger to life from fast flowing/deep water.  Extensive damage to and/or collapse of buildings/ structures  Transport routes and travel services disrupted for a prolonged period. Long travel delays.
	Road conditions affected with ocalised spray and some standing water.		Difficult road conditions due to spray and standing water	Widespread road closures.  Dangerous driving conditions due to spray and standing water.
			Interruption to utilities and services. Some communities	Prolonged disruption to loss of utilities and services
			temporarily inaccessible due to flooded access routes.	Communities become cut off for a prolonged period, perhaps several days, due to flooded access routes.







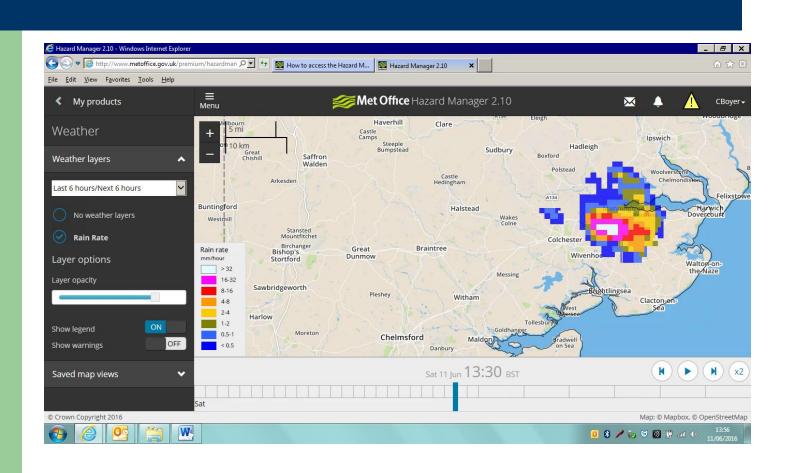
Very Low	Low	Medium	High
		Flooding of homes and businesses.  Danger to life from fast flowing/deep water.	Widespread flooding of homes and businesses.  Danger to life from fast flowing/deep water.
Localised	of homes and businesses and susceptible roads  Some transport routes and travel services affected. Some journeys require longer travel times.  Road conditions affected by spray and standing water.  Localised and short term disruption to utilities and services	Damage to buildings/ structures.	Extensive damage to and/or collapse of buildings/ structures
flooding of low- lying land and susceptible roads.  A few transport		Transport routes and travel services affected. Longer journey times expected. Some road	Transport routes and travel services disrupted for a prolonged period. Long travel delays.
routes affected.  Road conditions		closures. Difficult road	Widespread road closures.
affected with localised spray and some standing water.		conditions due to spray and standing water	Dangerous driving conditions due to spray and standing water.
startaing water.		Interruption to utilities and services.  Some communities	Prolonged disruption to or loss of utilities and services
		temporarily inaccessible due to flooded access routes.	Communities become cut off for a prolonged period, perhaps several days, due to flooded access routes.







### **TRIGGERS**





# FLOODING: Who do you call?







Highway Flooding

Main River

Coastal Flooding



Ordinary watercourse (including ditches and pipes)



Sewer flooding (Anglian Water, Thames Water)



Surface water



Groundwater



Reservoir flooding



## FLOODING: Who do you call?

- Life in danger : 999
- TDC Careline: 01255 222022 (24 / 7 / 365)
- From Highways: 0345 603 7631 and Report a
   Problem <a href="https://secureweb1.essexcc.gov.uk/Highways/Report-a-highway-problem.aspx">https://secureweb1.essexcc.gov.uk/Highways/Report-a-highway-problem.aspx</a>
- ECC Flood and Water Management Team : (surface water, ground water ordinary watercourse) floods@essex.gov.uk
- River/Coastal: Environment Agency: 0800 807060
- Sewers: Anglian Water: 0800 771881



## FLOODING: Who do you call?

- Life in danger : 999
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- ECC Flood and Water Management Team : (surface water, ground water ordinary watercourse) floods@essex.gov.uk
- River/Coastal: **Environment Agency**: 0800 807060
- Sewers: Anglian Water: 0800 771881
  - And if all this fails......

# Call ME (Catherine) 0746 870 9746

I cannot guarantee I will be there, but it is has got to be worth a try!



### What can TDC do?

- Report to ECC teams
- Send Engineers to investigate
- Assess whether we can deploy any mitigation equipment
- Open Rest Centre
- Provide advice about where to get mitigation equipment





Tendring District Council Sandbag Policy 2016



#### Tendring District Council Sandbag Policy 2016

#### Responsibility

The public has a general expectation that in a period of likely flooding Local Authorities will make sandbags available. This is not the case. Members of the public have a responsibility to protect their own properties. If their property is in a known flood plain or they consider they are at risk of flooding, then they should purchase sandbags in advance from local building suppliers. Sandbags will only be issued by Tendring District Council in response to request from Emergency Services

#### Imminent flooding

If a property is at risk of being flooded, Tendring District Council will on request from Emergency Services send sandbags. Sandbags will not be provided for the protection of gardens, outbuildings or other structures.

Where Emergency Services are in attendance and make a request for sandbags, the Council will, if stocks permit, respond.

#### Shops, Businesses and Commercial Properties

The protection of shops, businesses and commercial properties is the responsibility of the owners or occupiers. They should undertake their own risk assessment and make provision for the supply and positioning of sandbags.

The Council will where possible respond to requests from the Emergency Services to protect strategic properties until the arrival and support of the owners or occupiers.

#### Delivery / Disposal of Sandbags

At times of high flood risk the Council will endeavour on request from the Emergency Services, deliver sandbags to occupied properties at imminent risk. However, this will not always be possible due to demand and / or weather conditions.

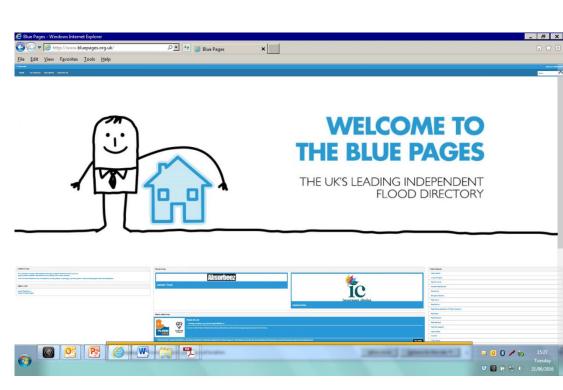
When sandbags are provided, they become the responsibility of the person receiving them. The Council will not accept liability for their placement; neither will the Council be responsible for collecting or disposing of issued sandbags

#### Charge for Sandbags

If there is a "Severe Flood Warning" issued or flooding is occurring there is no charge for sandbags from Tendring District Council. However, this deployment must be at the request of Emergency Services.

#### Note:

At times of actual or potential flooding owners of property look to ways that they might act to reduce the risks or impact on their property. The obvious quick fix is to try to prevent the ingress of water by providing a barrier of sandbags either around their property or at the portals to their buildings. Sandbags can be useful to deflect a flow of water but are not waterproof and therefore are generally ineffective in preventing standing water from entering a building. Water will also seep through the ground, airbricks and the brickwork itself. Caution must be exercised in using sandbags as differential water levels between the inside and outside of a building can induce structural failure.



Issued February 2016



### Post Incident: Data I need.

- Owner of property
- Their contact details
- Full address, including postcode
- Whether the property was flooded internally
- Details of how the flooding occurred
  - (run off from field, from highways, from sewers etc)
- Copies of any photos taken

I can then report the incident to both ECC Highways and FWMT



### Post Incident: Data I need.

- Helps to gather overall picture
- Identify worst hit areas
- Information at hand if Government generate a grant for repairs : ie

(2013 / 2014 Repair and Renew)

May assist PLP grants

10041			
TDC — Individual Impact Report			
Callers Name			
Contact Number /			
detalls			
Address,			
including postcode			
Details of Situation:			
le:			
At risk of flooding/			
Currently being			
flooded			
Flooded Internally (In			
the home / business)			
Y/N			
Pictures taken?			
FIGURES (AREIT:			
Reported to FWMT			
details:			
floods@essex.gov.uk			
Reported to ECC	Report a Problem: https://secureweb1.essexcc.gov.uk/Highways/Report-		
Highways	a-highway-problem.aspx		
Detalls:	Reference No: Details:		
0345 603 7631	Details.		
Incurrence company			
Insurance company notified?			
nouneu:			
TDC action taken:	Details		
when /			
by whom /			
outcome.			



# Why is contacting CARELINE (24/7) so important?

- 1. Call to TDC CARELINE by reporting organisation / individual
- 2. TDC CARELINE call TDC First Call Officer (FCO)
- 3. TDC FCO contacts initial caller to confirm information
- 4. TDC FCO contacts a TDC GOLD Officer (Chief Exec / Department Director/s)
- 5. Course of action agreed, and commenced -Callout of TDC staff to open: District Emergency Response Centre / Rest Centre/s Act as Liaison Officer at other venue / Activate Specialist Officers Other External Liaison P&T Councils / Caravan Parks etc



# What now? The possibilities are:

- Aware many properties have not had any response from ECC (FWMT / Highways)
- TDC double checking details of properties affected
- Will contact those properties advice sheet / newsletter?
- TDC write to FWMT / Highways requesting they liaise with the affected locations
- Potential to host "surgery" where FWMT & Highways can address those affected.

# **Looking Ahead**

**Catherine Boyer-Besant** 



## **Coastal Survey Continues**

- Part of our Pollution Plan review
- Coastal Survey
- Coastline / Foreshore broken into 78 sections
- Why?



# **Coastal Survey**

Essex Coastal Survey	District:		Date Survey	Surveyor
Avec Number	Tendring		Completed:	Name:
Area Number:				TDC / EA / Other
Conditions at the time of survey:	(circle as ap	propriate)		
Sate of tide:	Weather		Sea State:	
High Rising Falling Low	Conditio	ns:	Calm Cho	ppy Rough
	Sun Clo	oud Fog		
	Rain	Snow		
Area From:		To:		
Parish / Town Council:				
Access / Egress details:				
Access / Egress details.				
Accessible by vehicles?	Y/N			
Accessible by HGV? Y / N	I			
Access Contact details: (	if require	d)		
Public Right of Way?: Y/N	1			
(details)				
Harbour or Port Authority			n? Y/N	
If YES – which Harbour o	r Port Aut	nority:		
Foreshore: Above HIGH V	VATER m	ark (circle	as appropriate	1
Sand Mud Clay Silt				
Shells Weed				,
Foreshore: Below HIGH V	VATER m	ark (circle	as appropriate)	
	Sand Mud Clay Silt Stones Gravel Pebbles Cobbles Rocky			es Rocky
Shells Weed				
Designation: (circle as appropriate)				
SSSI RAMSAR SAC SPA National Park AONB				
NNR MCZ MPA National Trail RSPB Reserve				
Other known wildlife information: (ie seal colony / wading birds breeding				
area)				
alea)	uica,			
Fisheries / Shellfisheries	Details			
Y/N	Details	-		
High Amenity Beach Y/N	Name:			
Blue Fag Beach Y / N Name:				
Diac i ag Deadii i / II				

Type of Coast	Banks Structures Revetments Culverts	
Protection:	Channel Wiers Bridges Groynes	
(circle as appropriate)	Foreshore Beaches Saltmarsh & Saltings	
	Dunes Offshore Breakwater	
	Responsibility of: EA / TDC / Other (details)	
Locations of Flood		
Gates	Owned by EA / TDC / Other	
(circle owner as appropriate)		
	Owned by EA / TDC / Other	
	Owned by EA / TDC / Other	
	Owned by EA / TDC / Other	
Utility sites	Location:	
(water / power etc)		
	Owned by:	
Photographs taken?	Location:	
Y/N		
	ATE storage of contaminated waste? Y / N	
(close to affected foreshore, min	imal movement, waste stored for a short period)	
Details:		
Determination TEMPODAD	V standard of southerningted wests 2 V / N	
	Y storage of contaminated waste? Y / N to minimise transportation, where waste is stored longer term	
for "processing" – re-use, recycl		
Details:	o, and botoro dioposaly	
Other useful information		
Nearest TDC Public Conv	venience:	
Nearest TDC Car Park or alternative:		

Where required, use additional pages and attach to this sheet.

Type of Coast



## **Evacuation Planning**

- Clacton to Lee Wick
- Harwich Town, Dovercourt and Bathside
- Parkeston Quay and Ramswy Rive
- Point Clear & St Osyth Creek
- Brightlingsea to the Colne Barrier
- Manningtree Town
- Waterside properties at Mistley and Brantham
- Walton on the Naze
- Hamford Water

S	High Risk Area Information Sheet		
	Intended for use at local	l level by local responders when planning for and	
	implementing evacuation. A	so intended to inform Strategic decision making.	
	Area Name		
	General description of the		
	area covered within the		
	Information Sheet, e.g.		
	"Jaywick" or "Wallasea		
	Island".		
U	Area covered		
	Insert map (preferred)		
	and/or use post		
	codes/streets.		
	Area description		
	E.g. any specific features,		
	hazards, terrain etc.		
	Reason area identified		
	as high risk		
	E.g. coastal community		
	with limited escape routes		
	Prepared by		
	Name, role, organisation		
	Date & Time		



## Looking Ahead: Keep an eye out

Met Office Severe Weather Warnings
 www.metoffice.gov.uk



Low Medium High



## Looking Ahead: Keep an eye out

Environment Agency Flood Warnings
 www.gov.uk/government/organisations/
 environment-agency







### FLOOD WARNING

FLOODING IS EXPECTED. IMMEDIATE ACTION REQUIRED.

Floodline Warning Direct: 0345 988 1188



### **REMINDERS:**

- Submit your Emergency Points of Contact:
  - Emergency Co-ordinator landline and mobile
  - 1st Alternate land line and mobile
  - 2<sup>nd</sup> Alternate land line and mobile
- Continue development of your plans, we are happy to help you!
- Add the Severe Weather Impact Tables to your Generic Emergency Plans, for reference



## If in doubt, contact us.

 If your Council is concerned about the potential for a developing situation, or you require information on routine matters call:

Catherine 01255 686971 or

email: eplanning@tendringdc.gov.uk

If your Council has an Emergency call

**TDC CARELINE 01255 222022** : 24 / 7 / 365

When reporting an emergency **DO NOT** try to contact Catherine



# Next Meetings at Weeley Council Chamber (2016)

- 6pm Tues 6<sup>th</sup> December: Winter Workshop
- 6pm 8pm 28<sup>th</sup> December : DERC Open Evening

# Thank you for your time this evening Have a safe journey home.

**Catherine Boyer-Besant**