

File Name: K:\5004 - Information Systems\60532482 - South Essex SFRA\02\_Maps\Inundation Maps\Figure E52c Breach SOU04 Time to inundation - 2116 with climate change 0.1 AEP.mxd



THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF ISSUE THAT IT WAS ISSUED FOR AND IS SUBJECT TO AMENDMENT

#### LEGEND

- Breach Location
- Time to Inundation (Hours)**
- < 1 Hour
  - 1 - 4 Hours
  - 4 - 8 Hours
  - 8 - 12 Hours
  - 12 - 16 Hours
  - 16 to 20 Hours
  - > 20 Hours

#### NOTES

Time to inundation mapping illustrates the length of time from a breach before floodwaters reach a particular site. This information is particularly useful for emergency planning as it provides details of the time available for evacuation to a place of safety.

Time zero is set to the time when tidal water enters the specific breach. This means that the <1 hour band encompasses all areas that are inundated (wet) within the first hour of water travelling through the specific breach and into the flood cell. Further bands have been produced to show wet cells at: 1-4 hours, 4-8 hours, 8-12 hours, 12 to 16 and 16-20 hours. Time to inundation is specific to each breach location.

Mapping has been provided for the 1 in 1000 year + CC event as it represents the most conservative scenario and should be used for emergency planning purposes when considering safe access/egress routes from any potential development site.

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Purpose of Issue  
**FINAL**

Client  
**Basildon Council**  
BASILDON - BILLERICAY - WICKFORD  
**castlepoint**  
**Rochford District Council**  
**southend on sea**  
BOROUGH COUNCIL

Project Title  
**SOUTH ESSEX  
LEVEL 1 SFRA**

Drawing Title  
**BREACH SOU04  
TIME TO INUNDATION  
2116 WITH CLIMATE CHANGE  
0.1% AEP**

Drawn JW	Checked BB	Approved CP	Date 09/04/2018
AECOM Internal Project No. 60532482		Scale @ A3 1:20,000	

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