

File Name: K:\5004 - Information Systems\60532482 - South Essex SFRA\02 Maps\Inundation Maps\Figure E52b Breach SOU02 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.

Copyright  
© Ordnance Survey Crown copyright and database rights, 2017. Ordnance Survey 0100031673.  
Contains Environment Agency information  
© Environment Agency and/or database rights 2017.

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 SOU02  
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	

THIS DOCUMENT HAS BEEN PREPARED PURSUANT TO AND IS SUBJECT TO THE TERMS OF AECOM'S APPOINTMENT BY ITS CLIENT. AECOM ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS ORIGINAL CLIENT OR FOLLOWING AECOM'S EXPRESS AGREEMENT TO SUCH USE, AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED.

AECOM  
South House  
Alencon Link, Basingstoke  
Hampshire, RG21 7PP  
Telephone (01256) 310200  
Fax (01256) 310201  
www.aecom.com

Drawing Number <b>FIGURE E52b</b>	Rev <b>1</b>
--------------------------------------	-----------------

**AECOM**