Template for documenting methods and assumptions when deriving ocean boundary conditions using the Floodplain Risk Management Guide: Modelling the Interaction of Catchment Flooding and Oceanic Inundation in Coastal Waterways

The table below outlines the minimum information necessary to document the methods and assumptions used to derive the ocean boundary conditions developed in using the guide. Where the guide is used, this table should be completed and included in the relevant report. Results for all analyses should be documented in accordance with the relevant project specification.

|  |  |
| --- | --- |
| **Name of waterway** |  |
| **Location** |  |
| **Purpose of assessment** |  |
| **Local Council** |  |
| 1. **Available information informing this assessment**
 |  |
|  | **Adopted methodology/Figures**  | **Reasoning/reference/source of information**  |
| 1. **Waterway entrance type**
 |  |  |
| 1. **Selected approach**
 |  |  |
| 1. **Entrance condition and management**
 |  |  |
| 1. **Modelling the ocean water level boundary**
 |  |  |
| North or south of Crowdy Head |  |  |
| Peak design ocean boundary water level |  |  |
| Static or dynamic analysis |  |  |
| Initial water level conditions in estuary |  |  |
| 1. **Translating the ocean boundary to study boundary**
 |  |  |
| Adjustment |  |  |
| Method used/source |  |  |
| 1. **Relative timing of catchment flooding and oceanic inundation**
 |  |  |
| Peak Catchment with static/dynamic Ocean |  |  |
| 1. **Determining design flood levels**
 |  |  |
| Design AEP |  |  |
| Design flood envelope  |  |  |
| 1. **Sensitivity testing**
 |  |  |
| Berm condition and downstream ocean boundary condition |  |  |
| Peak timing |  |  |
| Efficiency of entrance |  |  |
| 1. **Incorporating sea level rise**
 |  |  |
| Councils adopted rojections |  |  |
| Adjustment made to:* Boundary conditions
* Initial water levels
* Starting entrance conditions
 |  |  |

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