

Hornsea Project Three
Offshore Wind Farm



Hornsea Project Three Offshore Wind Farm

Preliminary Environmental Information Report:
Annex 2.2 – Environment Agency and IDB Watercourses and Flood Zones

Date: July 2017


Hornsea 3
Offshore Wind Farm

DONG
energy

Environmental Impact Assessment

Preliminary Environmental Information Report

Volume 6

Annex 2.2 – Environment Agency and IDB Watercourses and Flood Zones

Liability

This report has been prepared by RPS, with all reasonable skill, care and diligence within the terms of their contract with DONG Energy Power (UK) Ltd.

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This report is also downloadable from the Hornsea Project Three offshore wind farm website at:

www.dongenergy.co.uk/hornsea-project3

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Front cover picture: Kite surfer near one of DONG Energy's UK offshore wind farms © DONG Energy Hornsea Project Three (UK) Ltd., 2016.

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1. Introduction

1.1 Purpose

- 1.1.1.1 This annex (Annex 2.2) presents the Environment Agency (EA) indicative Flood Zone information for the hydrology and flood risk study area for Hornsea Three. EA Flood Zone mapping has been used to inform the preliminary assessment of flood risk associated with Hornsea Three presented in volume 3 chapter 2: Hydrology and Flood Risk.
- 1.1.1.2 The Flood Zones refer to the probability of river and sea flooding, and do not consider the presence of defences. They are shown on the Environment Agency's Flood Map for Planning (Rivers and Sea) (<http://environment.data.gov.uk/ds/catalogue/index.jsp#/catalogue>). Flood Zone definitions are presented below:
- Zone 1 Low Probability Land having a less than 1 in 1,000 annual probability of river or sea flooding.
 - Zone 2 Medium Probability Land having between a 1 in 100 and 1 in 1,000 annual probability of river flooding; or land having between a 1 in 200 and 1 in 1,000 annual probability of sea flooding.
 - Zone 3a High Probability Land having a 1 in 100 or greater annual probability of river flooding; or Land having a 1 in 200 or greater annual probability of sea flooding.
 - Zone 3b The Functional Floodplain This zone comprises land where water has to flow or be stored in times of flood. Local planning authorities should identify in their Strategic Flood Risk Assessments areas of functional floodplain and its boundaries accordingly, in agreement with the Environment Agency.
- 1.1.1.3 The annex also identifies the main rivers, other watercourses and Internal Drainage Board (IDB) watercourses within the hydrology and flood risk study area.
- 1.1.1.4 Figure 1.1 Sheets 1 to 7, below, illustrate the EA defined Flood Zones, main river and ordinary watercourses and the IDB watercourses within the hydrology and flood risk study area.

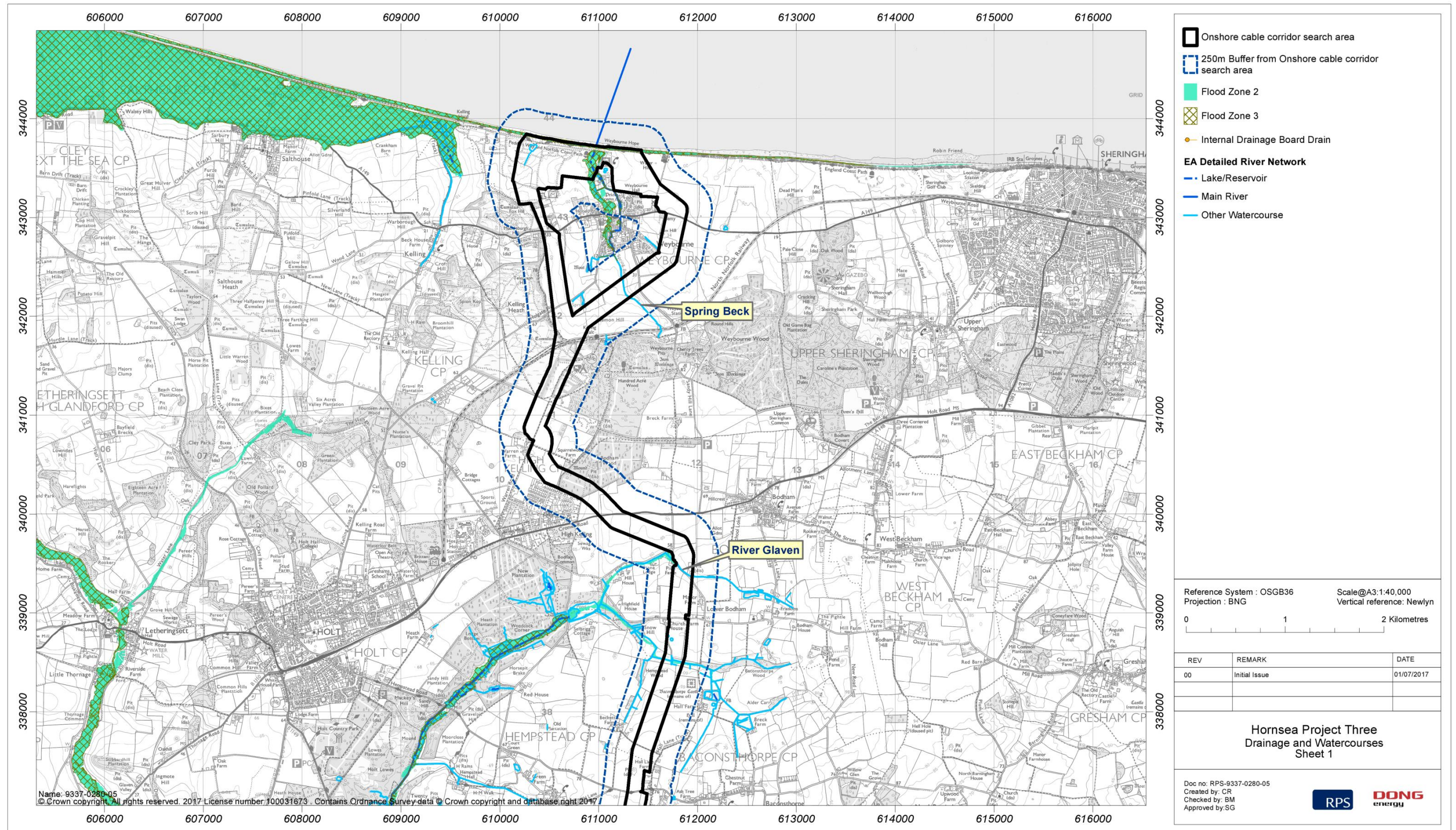


Figure 1.1: Environment Agency and IDB Watercourses and Flood Zones.

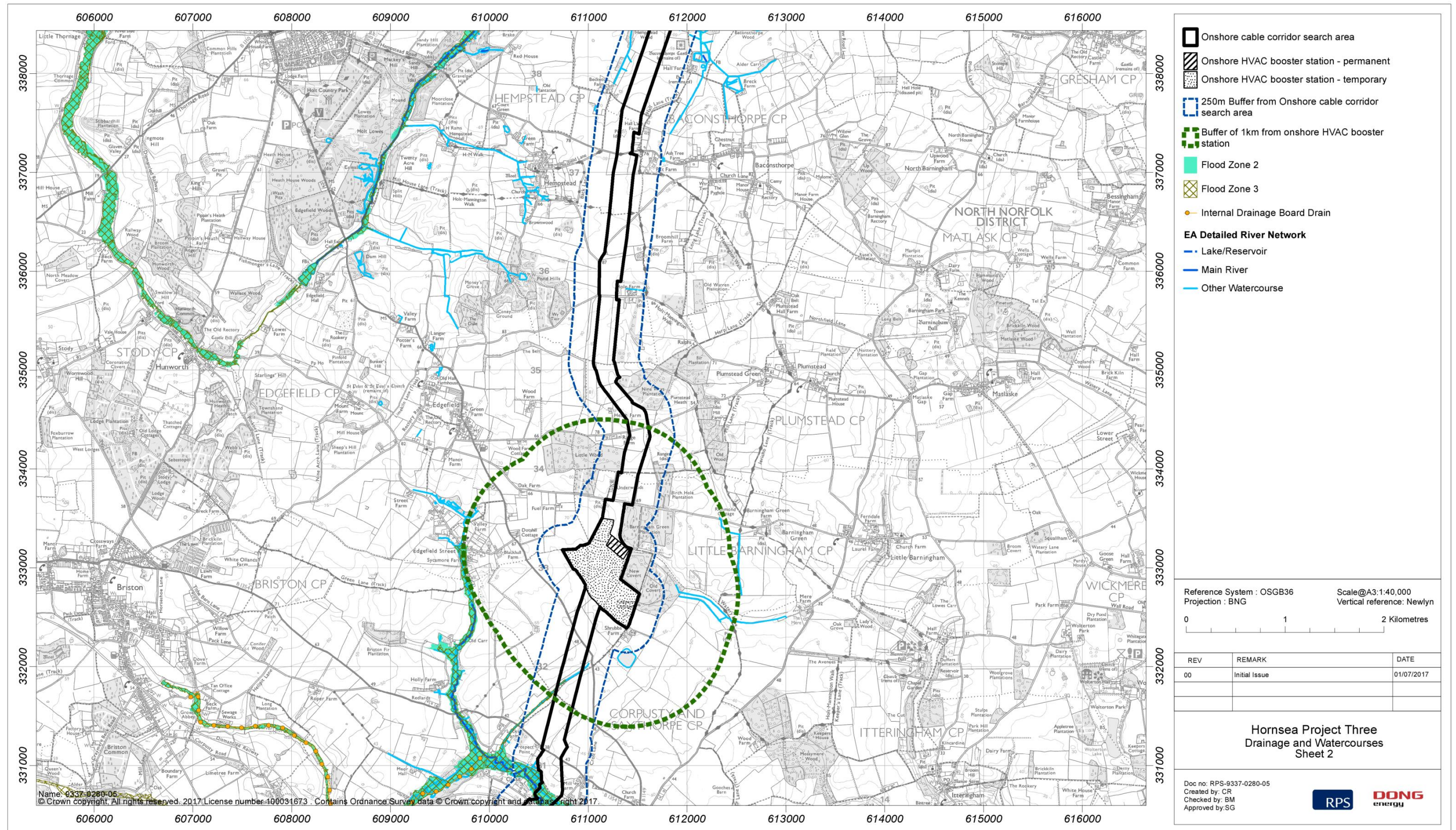


Figure 1.1: Environment Agency and IDB Watercourses and Flood Zones.

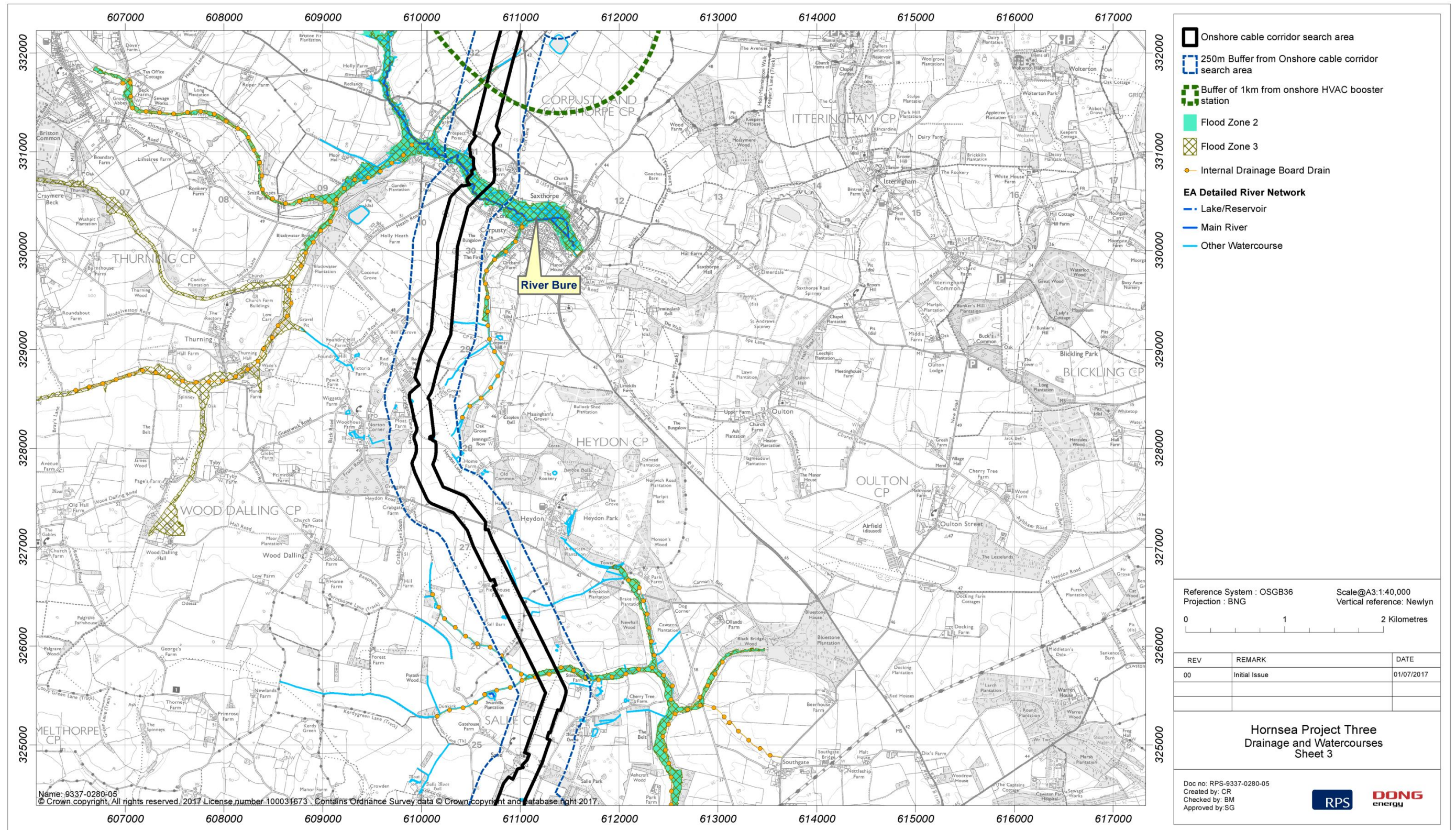


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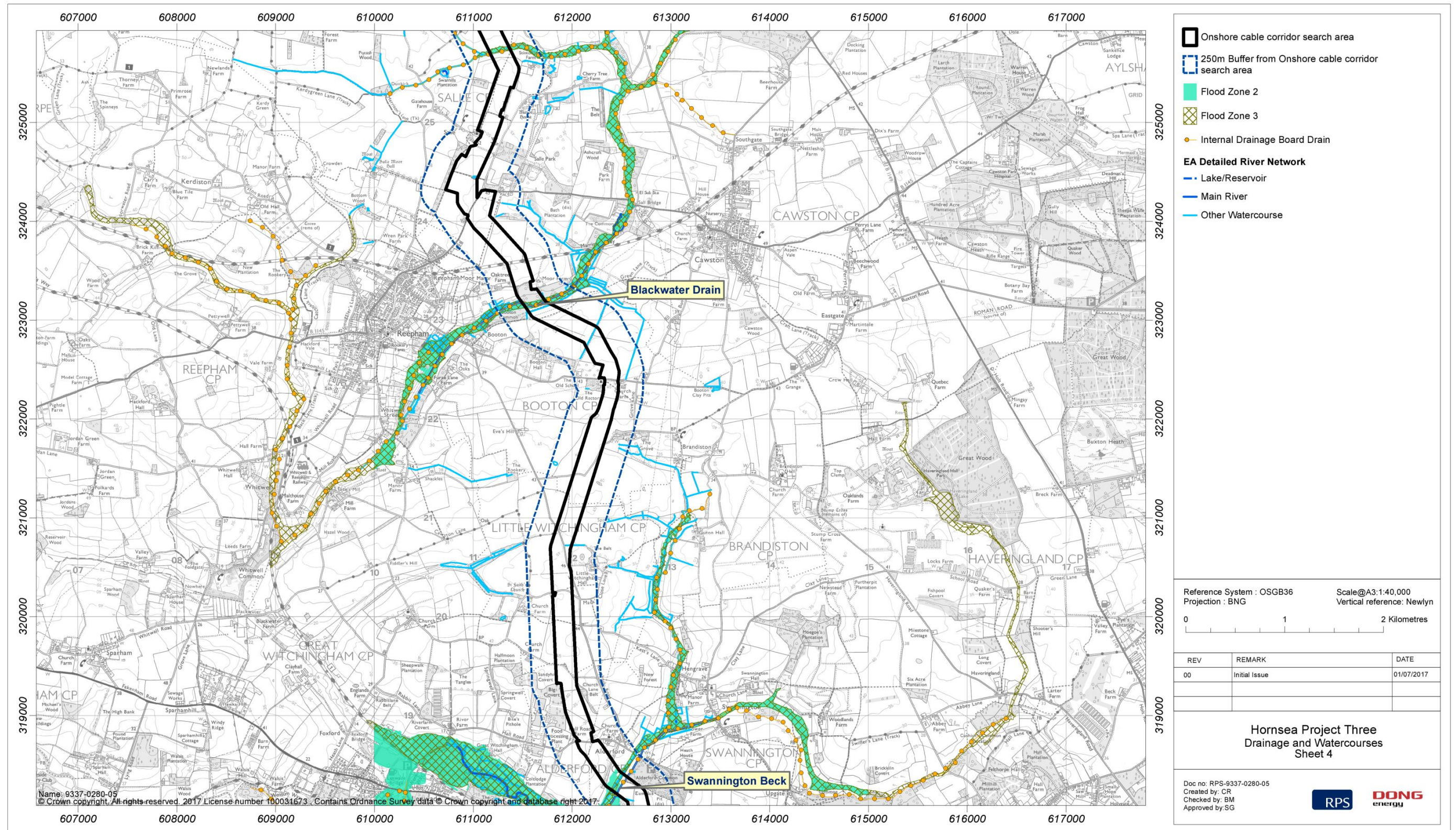


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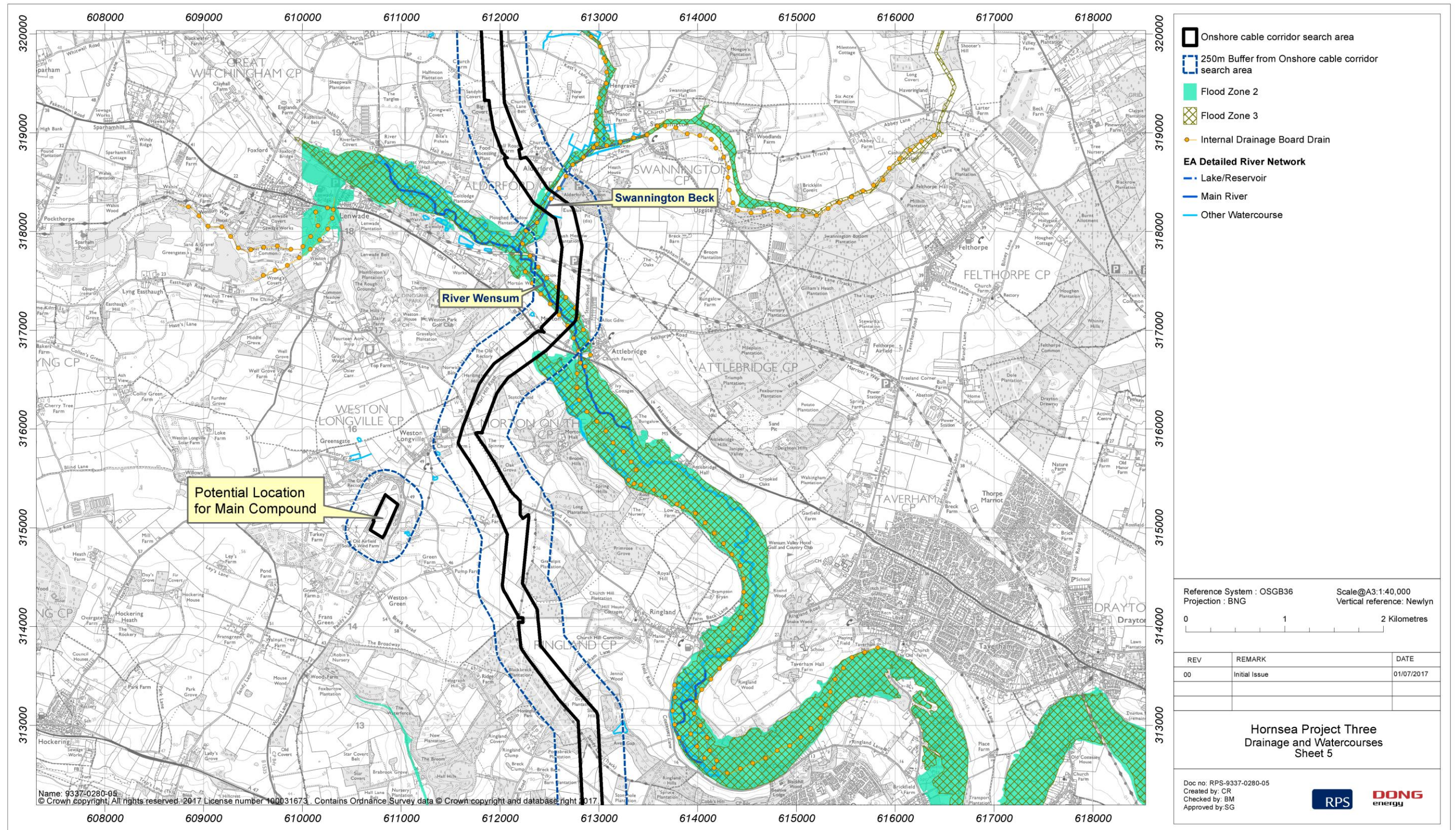


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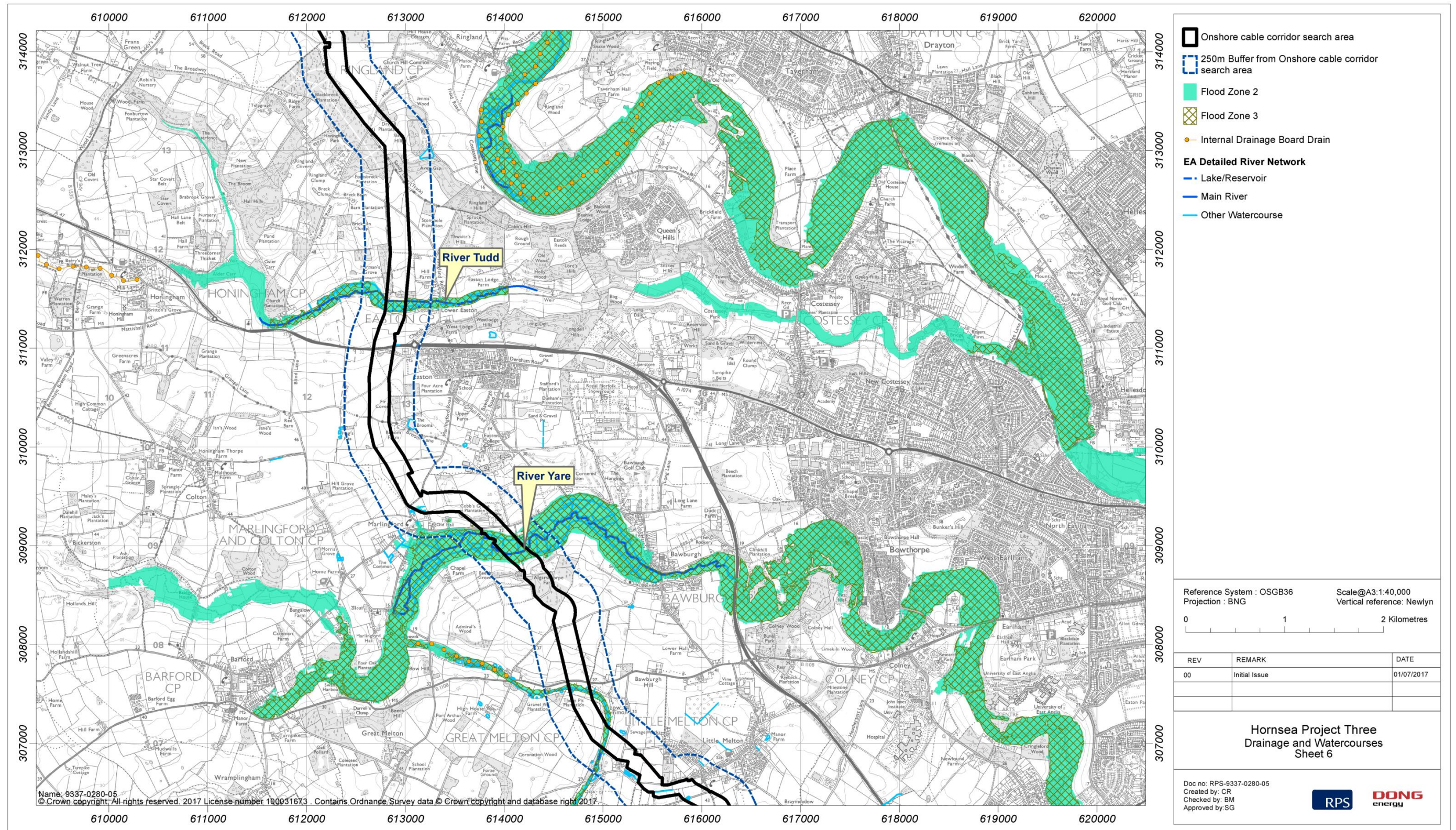


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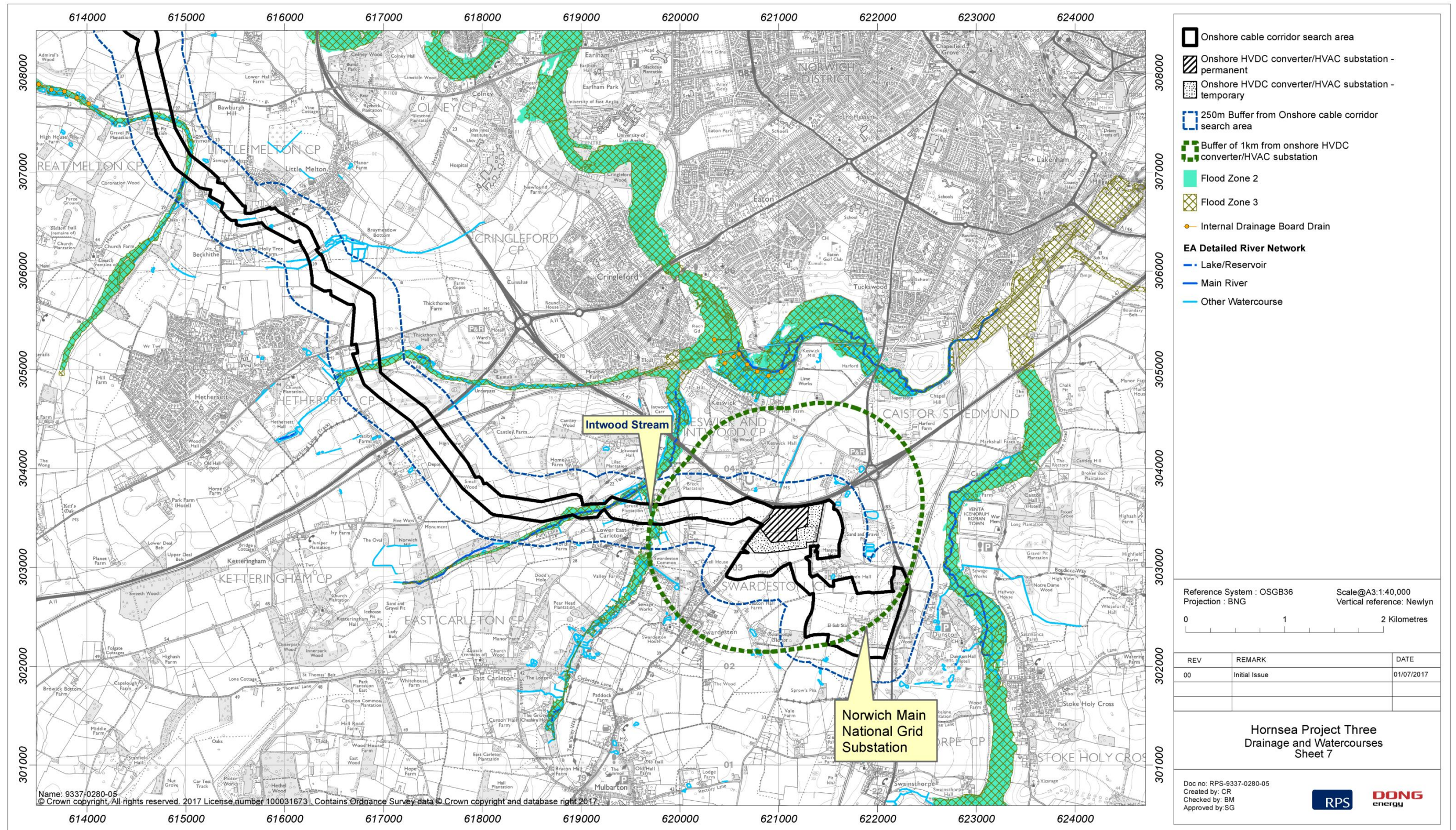


Figure 1.1: Environment Agency and IDB Watercourses and Flood Zone.