

Aberdeen Arena at Kingsford

Flood Risk Assessment

December 2016



FAIRHURST

CONTROL SHEET

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	Prepared by		James McNaughton	[REDACTED]	19/12/16	
	Checked by		Vanora Ford	[REDACTED]	19/12/16	
	Approved by		Kenneth Barr	[REDACTED]	19/12/16.	
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					Checked	VF
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1 INTRODUCTION

Fairhurst has been appointed to carry out a Flood Risk Assessment (FRA) on behalf of Aberdeen Football Club Ltd. for a proposed new stadium facility at Kingsford, to the east of Westhill, Aberdeen (OS Ref: NJ844065). The site is shown in relation to the local area in Figure 1 below.

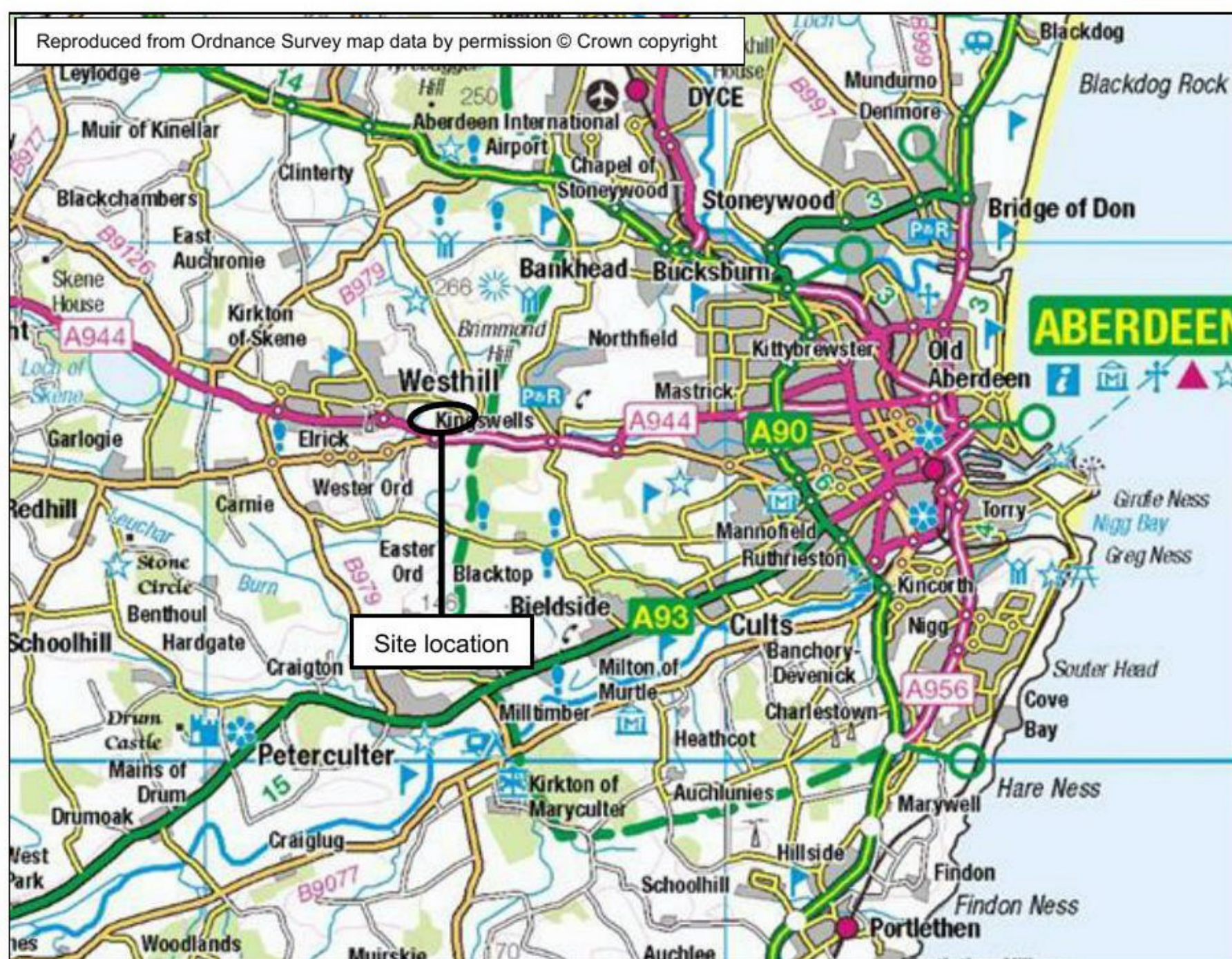


Figure 1: Site location

The site comprises 24.5ha of agricultural land, overlying historical landfill. This report assesses flood risk to the current site and potential flood risk to the site post-development. The risk of inundation to the component parts of the development is considered, as well as the potential for increased flood risk to neighbouring and downstream property. Measures to mitigate flood risk are identified.

Hydraulic modelling studies of the Brodiach Burn and a minor tributary of the burn – the Westholme Drain – adjacent to the site have been undertaken using an existing Fairhurst model of the burn and a new model of the tributary to quantitatively assess flood risk from these sources. The risk of flooding from other sources has been qualitatively assessed.