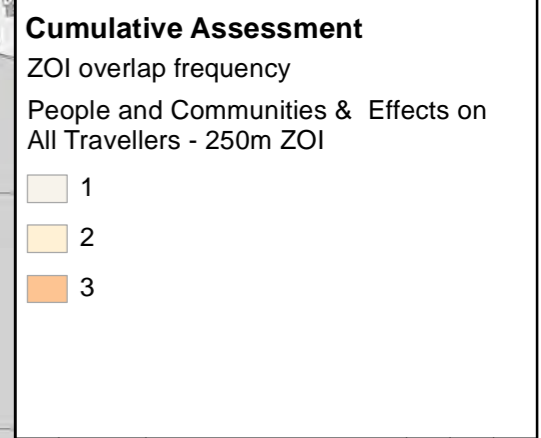


- LEGEND**
- Construction boundary
 - Developments site - point
 - Developments site - region
 - Construction boundary - 250m ZOI
 - Development sites 250m ZOI - People and Communities & Effects on All Travellers



P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

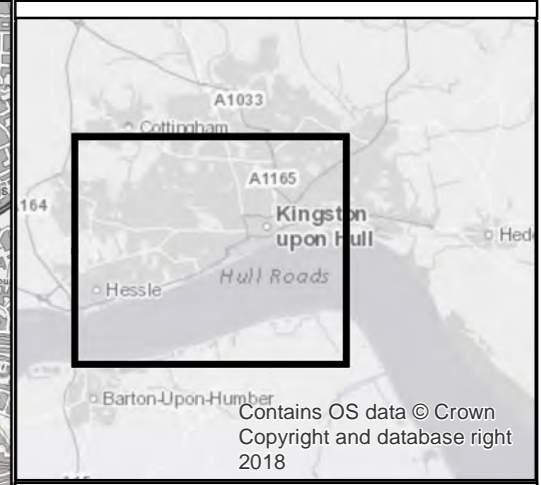
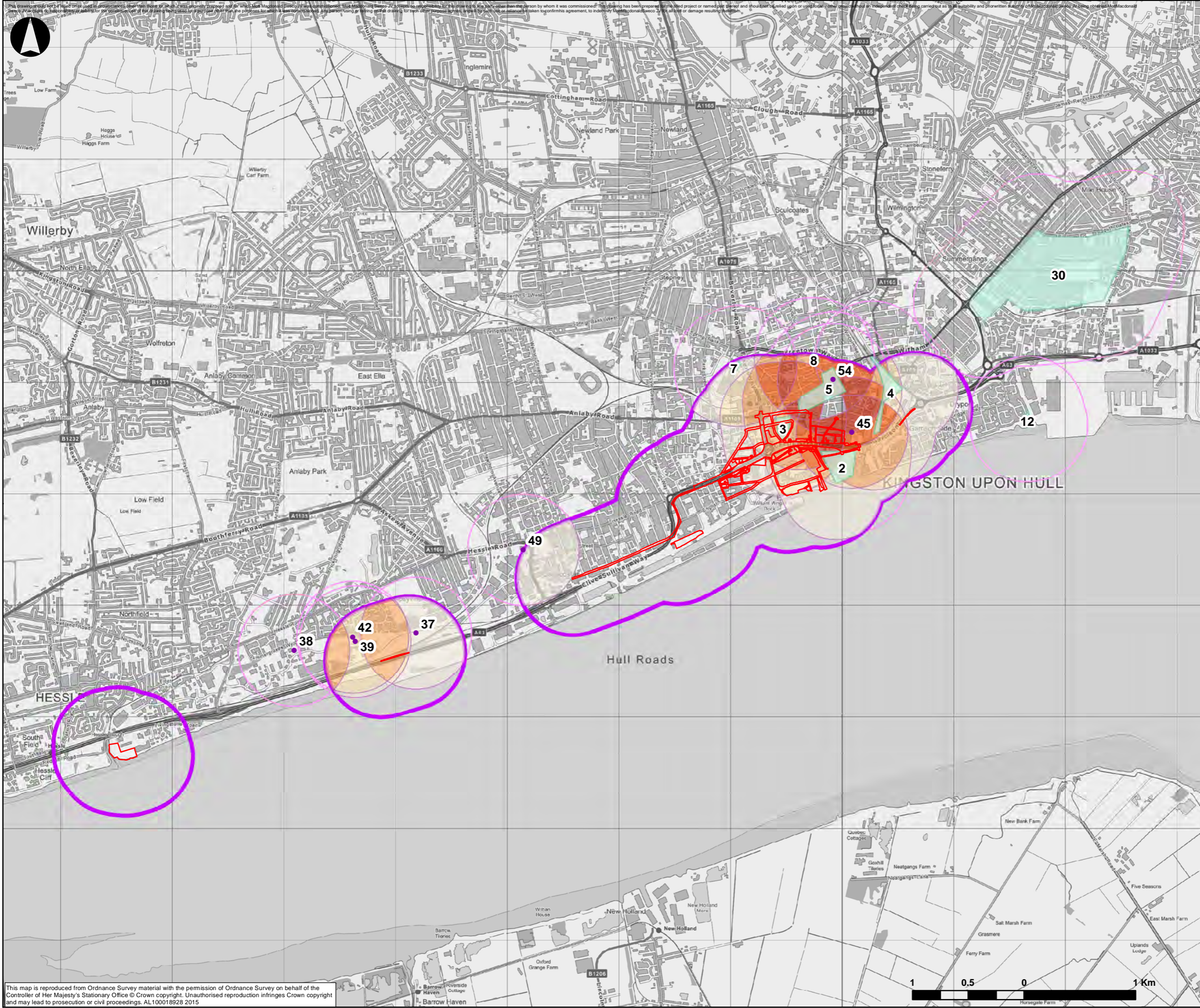
Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

Drawing Title: **FIGURE 16.1: VOLUME 2 - PEOPLE AND COMMUNITIES & EFFECTS ON ALL TRAVELLERS CUMULATIVE ASSESSMENT FOR CONSTRUCTION BOUNDARY**

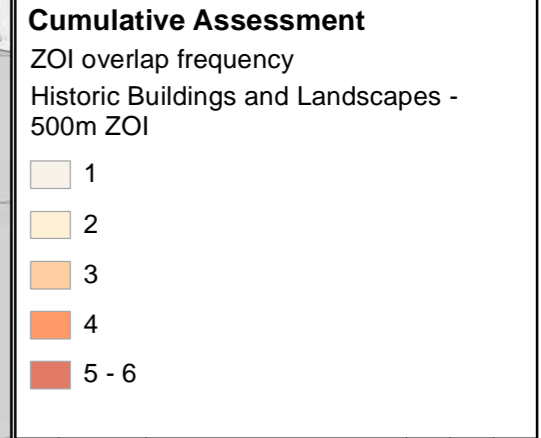
Scale	1:32,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

Drawing Number	HE PIN	Originator	Volume	Project Ref. No.
HE514508 - MMSJV - EGN				112630
Location	Type	Role	Number	Revision
S0 - DR - LE			000035	P03

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015



- LEGEND**
- Construction boundary
 - Developments site - point
 - Developments site - region
 - Construction boundary - 500m ZOI
 - Development sites 500m ZOI - Designated / non-designated historic buildings and landscapes, including Conservation Areas



Rev	Date	Amendment Details	Drw'n	Chk'd	App'd
P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS

Mott MacDonald Sweco

Client

Drawing Status	SHARED	Suitability	S4
----------------	--------	-------------	----

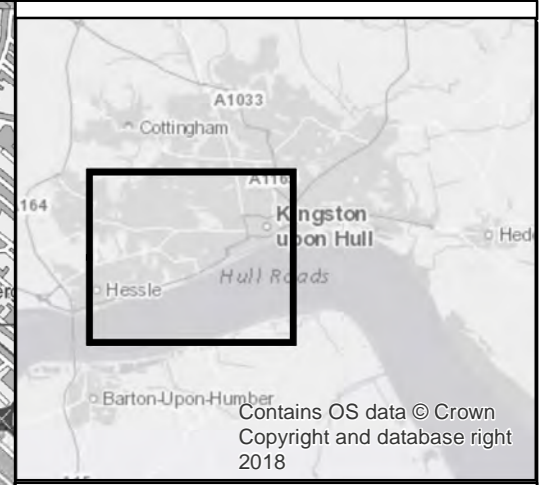
Project Title
A63 CASTLE STREET IMPROVEMENTS, HULL

Drawing Title
FIGURE 16.2: VOLUME 2 - CULTURAL HERITAGE - DESIGNATED / NON-DESIGNATED HISTORIC BUILDINGS & LANDSCAPES (INCLUDING CONSERVATION AREAS) CUMULATIVE ASSESSMENT FOR CONSTRUCTION BOUNDARY

Scale	1:32,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

Drawing Number	HE514508 - MMSJV - EGN	Project Ref. No.	112630
Location	S0 - DR - LE - 000036	Revision	P03

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015



- LEGEND**
- Construction boundary
 - Developments site - point
 - Developments site - region
 - Construction boundary - 200m ZOI
 - Development sites 200m ZOI - Archaeological Assets

Cumulative Assessment

ZOI overlap frequency
Archaeological Assets - 200m ZOI

- 1
- 2
- 3

P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

Drawing Title: **FIGURE 16.3: VOLUME 2 - CULTURAL HERITAGE - DESIGNATED / NON-DESIGNATED ARCHAEOLOGICAL ASSETS CUMULATIVE ASSESSMENT FOR CONSTRUCTION BOUNDARY**

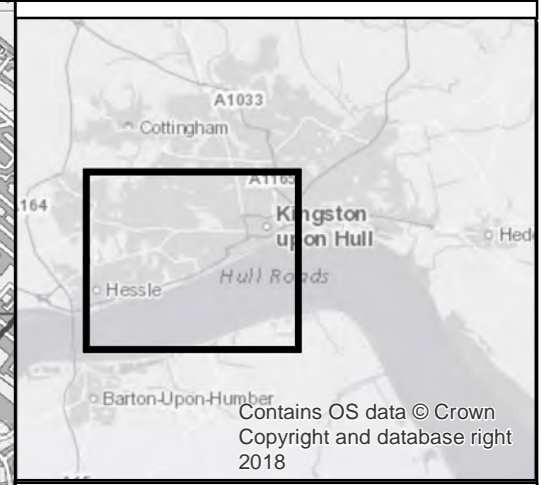
Scale	1:24,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

Drawing Number	HE514508 - MMSJV - EGN	Originator	EGN	Volume	000037	Project Ref. No.	112630
Location	S0 - DR - LE	Role	000037	Number	P03	Revision	

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015



This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Mott MacDonald Sweco JV was commissioned. Mott MacDonald Sweco JV accepts no responsibility or liability for the consequences of this drawing being used for a purpose other than the purposes for which it was commissioned. Any person relying on this drawing for any other purpose, and will be deemed to have done so at their own risk and should not be relied upon for any other purpose. Mott MacDonald Sweco JV is not responsible for any errors or omissions in this drawing or for any consequences arising from its use.



LEGEND

- Construction boundary
- Developments site - point
- Developments site - region
- Construction boundary - 350m ZOI
- Development sites 350m ZOI - Groundwater

Cumulative Assessment

ZOI overlap frequency
Groundwater - 350m ZOI

- 1
- 2
- 3
- 4 - 5

P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client highways england

Drawing Status **SHARED** Suitability **S4**

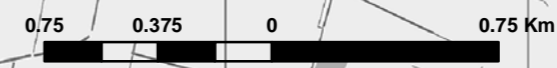
Project Title **A63 CASTLE STREET IMPROVEMENTS, HULL**

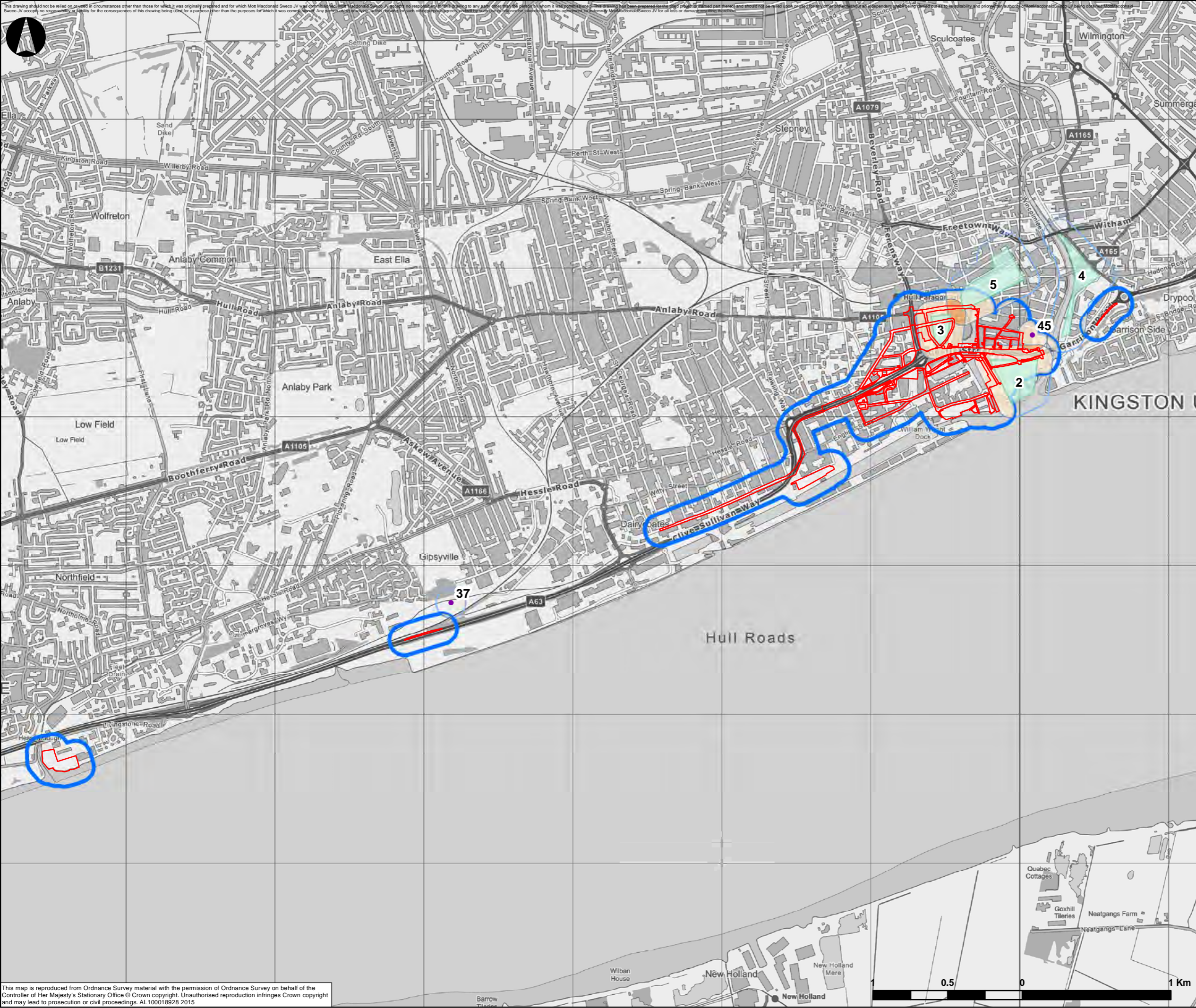
Drawing Title **FIGURE 16.4: VOLUME 2 - ROAD DRAINAGE AND THE WATER ENVIRONMENT (GROUNDWATER) CUMULATIVE ASSESSMENT FOR CONSTRUCTION BOUNDARY**

Scale	1:25,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

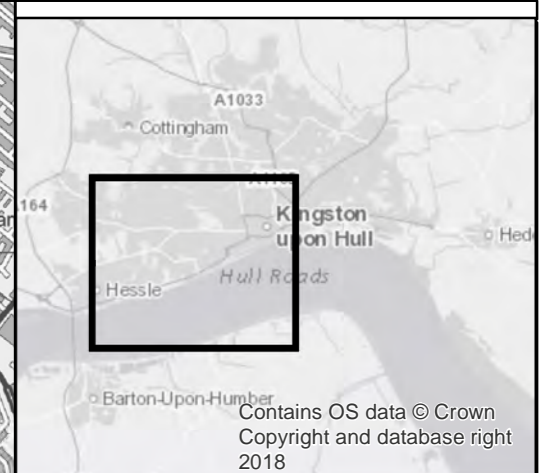
Drawing Number	HE PIN	Originator	Volume	Project Ref. No.
S0	DR	LE	000038	112630
Location	Type	Role	Number	Revision
			P03	

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015





This drawing should not be relied upon in circumstances other than those for which it was originally prepared and for which Mott MacDonald Sweco JV was commissioned. Mott MacDonald Sweco JV accepts no responsibility or liability for the consequences of this drawing being used for a purpose other than the purposes for which it was commissioned. Any person using or relying on this drawing for such other purposes agrees to indemnify Mott MacDonald Sweco JV for all loss or damage resulting therefrom.



- LEGEND**
- Construction boundary
 - Developments site - point
 - Developments site - region
 - Construction boundary - 100m ZOI
 - Development sites 100m ZOI - Habitats

Cumulative Assessment

ZOI overlap frequency
Habitats - 100m ZOI

- 1
- 2

P03	12/08/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drwn	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

Drawing Title: **FIGURE 16.5: VOLUME 2 - ECOLOGY AND NATURE CONSERVATION - PROTECTED SPECIES (REPTILES AND OTTERS) CUMULATIVE ASSESSMENT FOR CONSTRUCTION BOUNDARY**

Scale	1:24,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

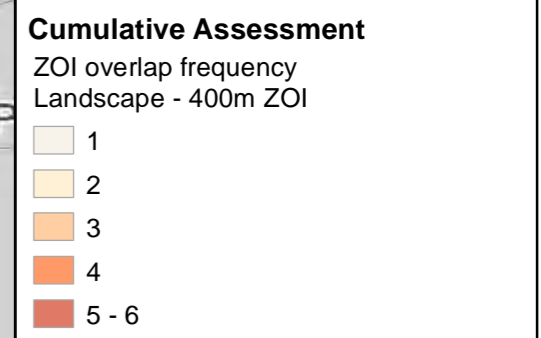
Drawing Number	HE514508 - MMSJV - EGN	Originator	EGN	Volume	000039	Project Ref. No.	112630
Location	SO - DR - LE	Type		Role		Revision	P03

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL100018928 2015

This drawing should not be used in circumstances other than those for which it was originally prepared and for which Mott MacDonald Sweco JV was commissioned. Mott MacDonald Sweco JV accepts no responsibility or liability for the consequences of this drawing being used for a purpose other than the purposes for which it was commissioned. Any person using or relying on this drawing for such other purpose as to be liable to the consequences of this drawing being used for a purpose other than the purposes for which it was commissioned. Any person using or relying on this drawing for such other purpose as to be liable to the consequences of this drawing being used for a purpose other than the purposes for which it was commissioned.



- LEGEND**
- Construction boundary
 - Developments site - point
 - Developments site - region
 - Construction boundary - 400m ZOI
 - Development sites 400m ZOI - Landscape



P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

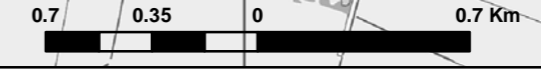
Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

Drawing Title: **FIGURE 16.6: VOLUME 2 - LANDSCAPE CUMULATIVE ASSESSMENT FOR CONSTRUCTION BOUNDARY**

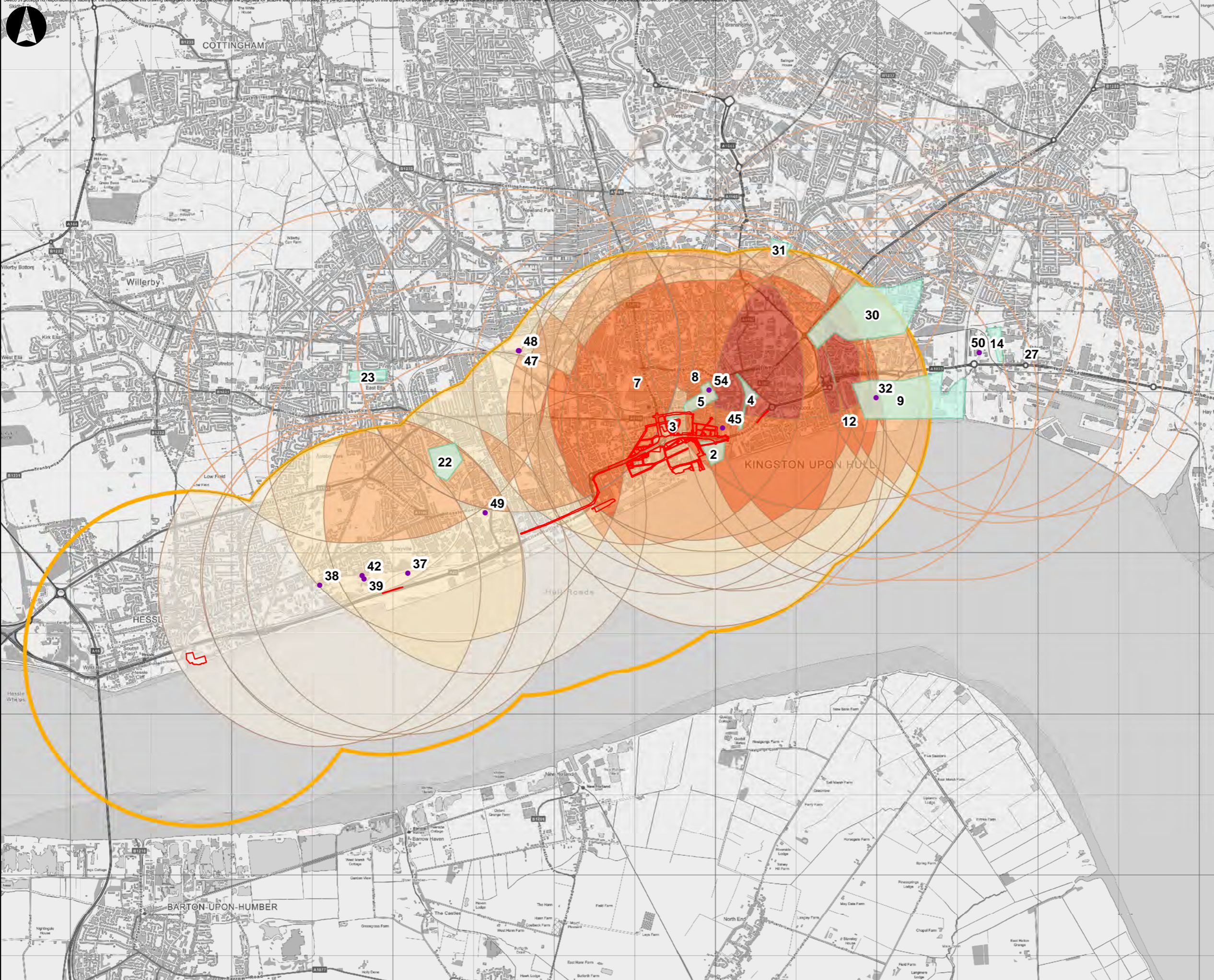
Scale	1:25,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

Drawing Number	HE PIN	Originator	Volume	Project Ref. No.
S0	DR	LE	000040	112630
Location	Type	Role	Number	Revision
			P03	

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015



This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Mott MacDonald Sweco JV was commissioned. Mott MacDonald Sweco JV accepts no responsibility or liability for the consequences of this drawing being relied on for a purpose other than the purpose for which it was originally prepared. Any person using or relying on this drawing for any other purpose is advised to seek independent professional advice. This drawing is prepared for the stated project and should not be used for any other project without an independent check being carried out as to its suitability and prior written authority. Mott MacDonald Sweco JV hereby disclaims all liability for any loss or damage, including consequential loss or damage, arising from the use of this drawing for any other purpose. Mott MacDonald Sweco JV is not responsible for any loss or damage, including consequential loss or damage, arising from the use of this drawing for any other purpose. Mott MacDonald Sweco JV is not responsible for any loss or damage, including consequential loss or damage, arising from the use of this drawing for any other purpose.



- LEGEND**
- Construction boundary
 - Developments site - point
 - Developments site - region
 - Construction boundary - 2 Km ZOI
 - Development sites 2Km ZOI - Ecology and Nature Conservation
 - Designated sites (statutory and non-statutory)
 - UKBAP Priority habitats
 - Protected species – bats, breeding and wintering birds, fish, aquatic mammals

Cumulative Assessment

ZOI overlap frequency

Ecology and Nature Conservation - 2km ZOI

	1 - 4
	5 - 6
	7 - 10
	11 - 12
	13 - 14

P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

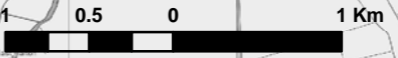
Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

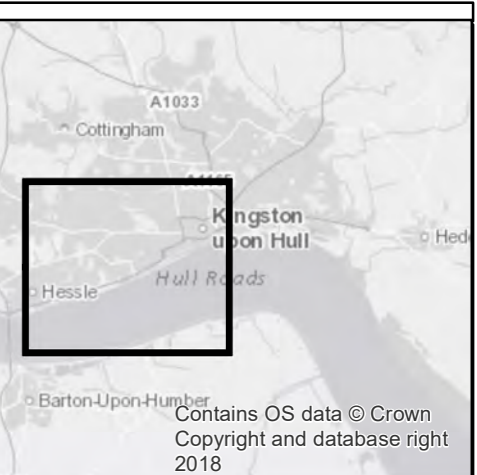
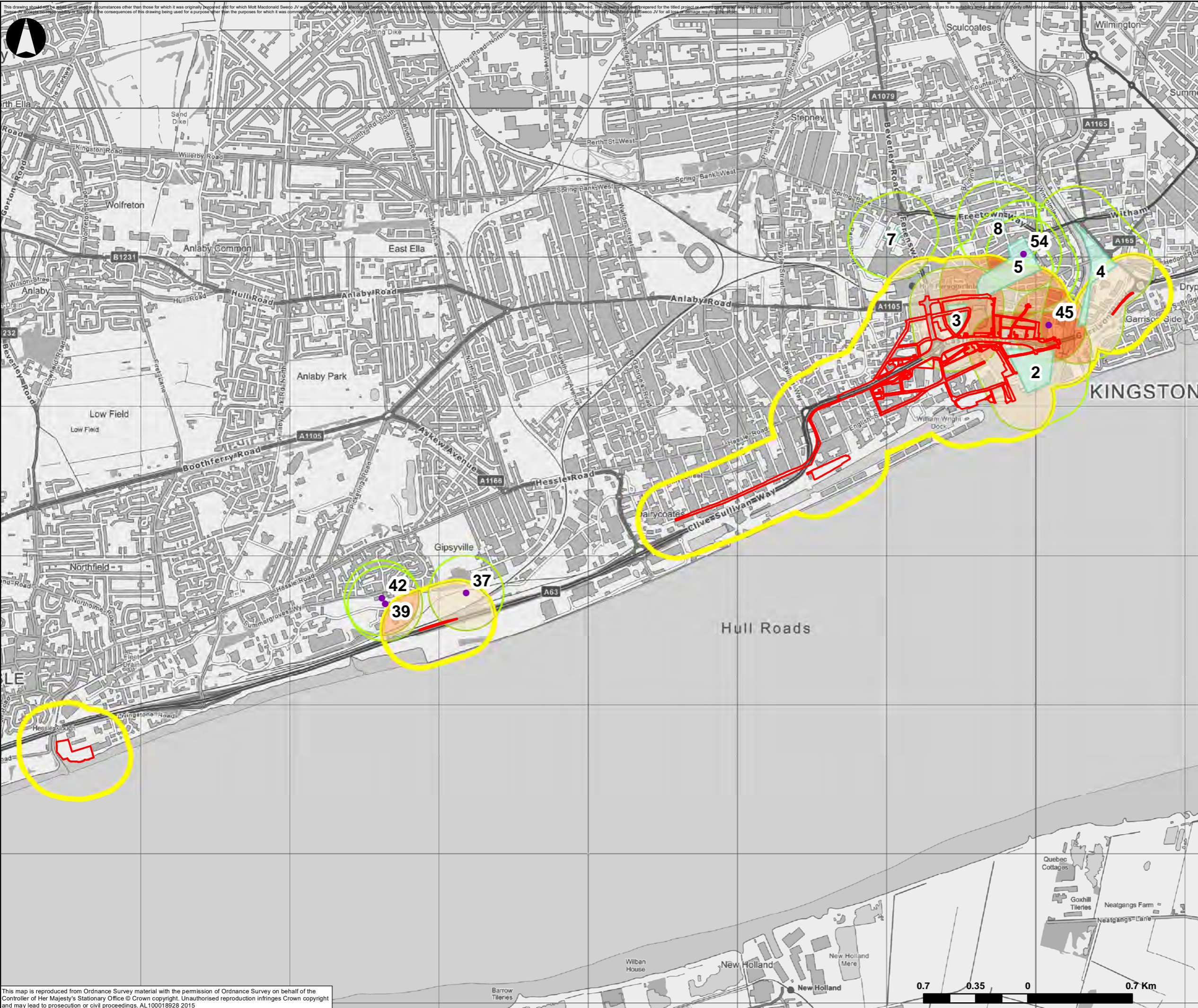
Drawing Title: **FIGURE 16.7: VOLUME 2 - ECOLOGY AND NATURE CONSERVATION (ECOLOGY) CUMULATIVE ASSESSMENT FOR CONSTRUCTION BOUNDARY**

Scale	1:45,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

Drawing Number	HE514508 - MMSJV - EGN	Originator	EGN	Volume	000041	Project Ref. No.	112630
Location	S0 - DR - LE	Type	LE	Role	P03	Revision	

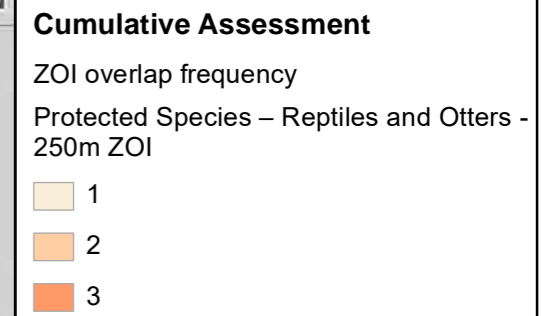
This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015





Contains OS data © Crown Copyright and database right 2018

- LEGEND**
- Construction boundary
 - Developments site - point
 - Developments site - region
 - Construction boundary - 250m ZOI
 - Development sites 250m ZOI -
 - Protected Species – Reptiles and Otters



P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

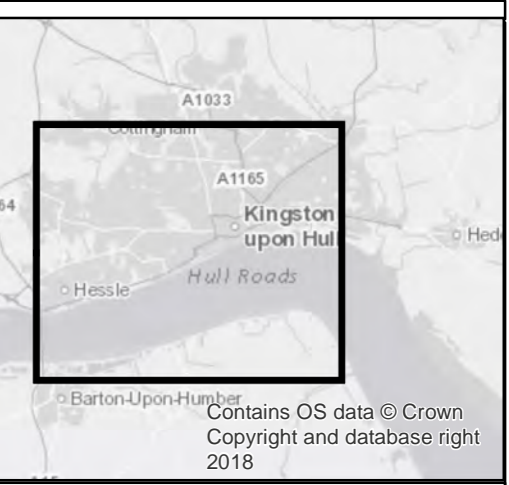
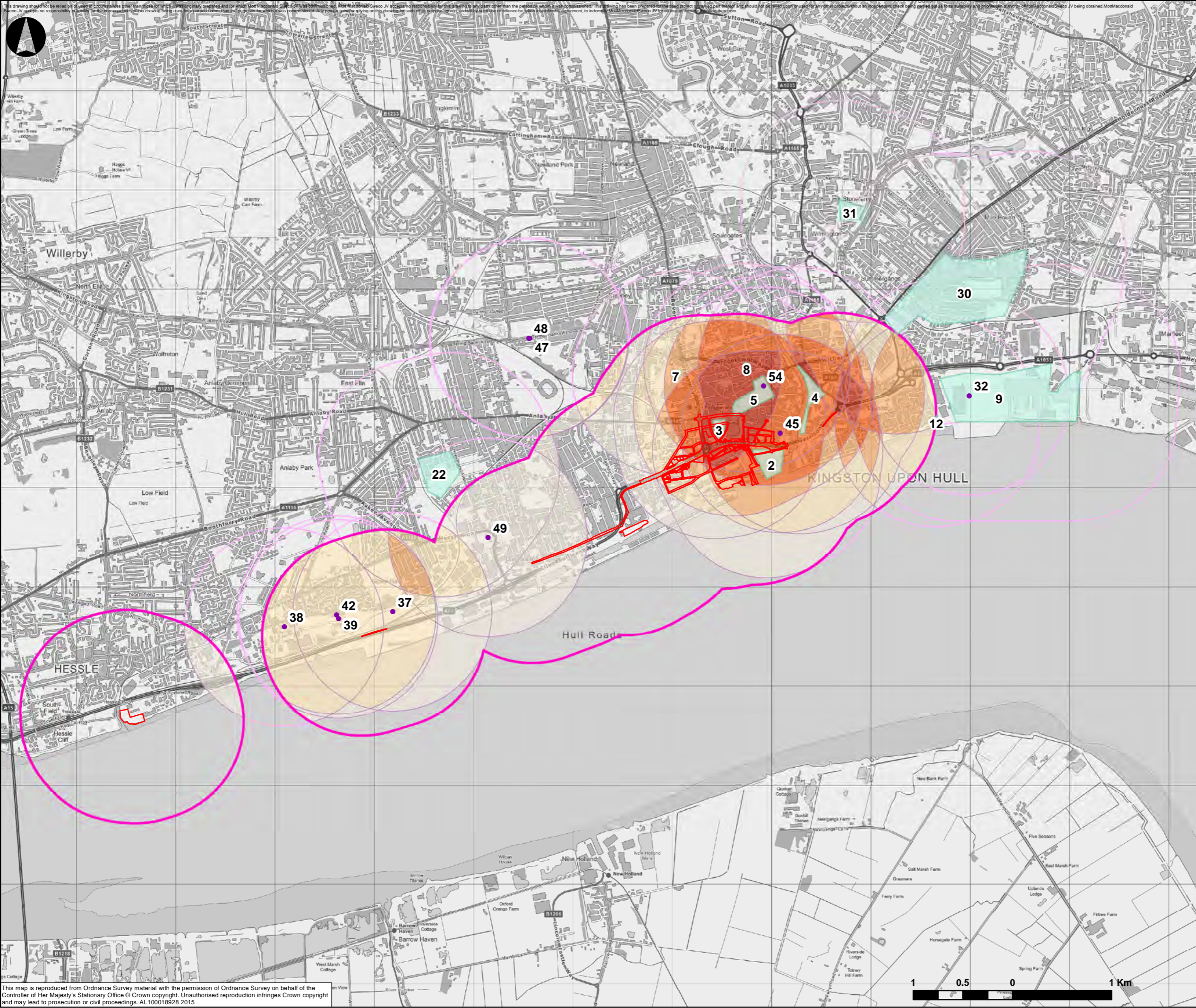
Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

Drawing Title: **FIGURE 16.8: VOLUME 2 - ECOLOGY AND NATURE CONSERVATION - PROTECTED SPECIES (REPTILES AND OTTERS) CUMULATIVE ASSESSMENT FOR CONSTRUCTION BOUNDARY**

Scale	1:32,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

Drawing Number	HE PIN	Originator	Volume	Project Ref. No.
HE514508 - MMSJV - EGN				112630
S0 - DR - LE -			000042	Revision
				P03

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015



- LEGEND**
- Construction boundary
 - Developments site - point
 - Developments site - region
 - Construction boundary - 1Km ZOI
 - Development sites 1Km ZOI - Surface Waterbodies

- Cumulative Assessment**
ZOI overlap frequency
Surface Waterbodies - 1km ZOI
- 1 - 2
 - 3 - 4
 - 5
 - 6 - 7
 - 8 - 9

P03	12/08/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drwn	Chk'd	App'd

Mott MacDonald Sweco



Drawing Status: **SHARED** Suitability: **S4**

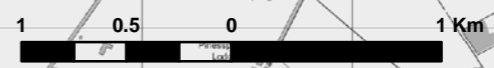
Project Title:
A63 CASTLE STREET IMPROVEMENTS, HULL

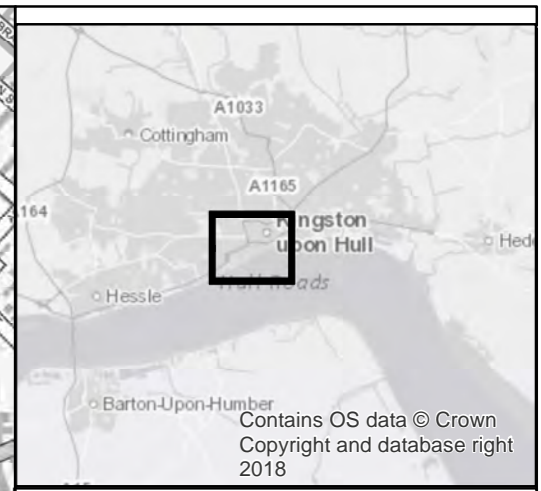
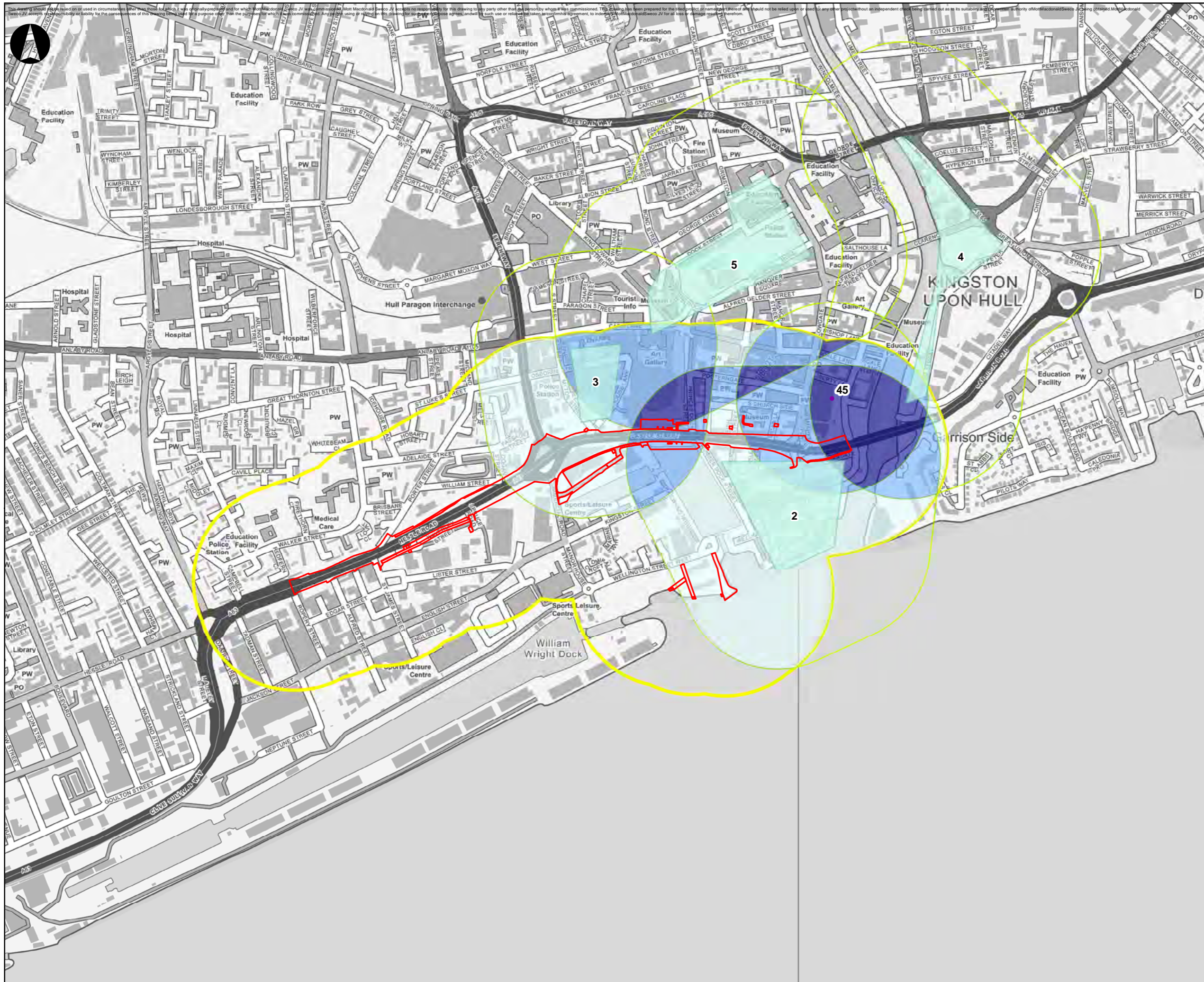
Drawing Title:
FIGURE 16.9: VOLUME 2 - ROAD DRAINAGE AND THE WATER ENVIRONMENT (WATERBODIES) CUMULATIVE ASSESSMENT FOR CONSTRUCTION BOUNDARY

Scale	1:36,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

Drawing Number	HE514508 - MMSJV - EGN	Originator	DR - LE	Volume	000043	Project Ref. No.	112630
Location	S0	Type	DR - LE	Role	000043	Revision	P03

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015





- LEGEND**
- Operations boundary
 - Developments site - point
 - Developments site - region
 - Operations boundary - 250m ZOI
 - Development sites 250m ZOI - People and Communities & Effects on All Travellers

- Cumulative Assessment**
- ZOI overlap frequency
- People and Communities & Effects on All Travellers - 250m ZOI
- 1
 - 2
 - 3

P03	07/09/2018	Red Line Boundary	JM	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco



Drawing Status: **SHARED** Suitability: **S4**

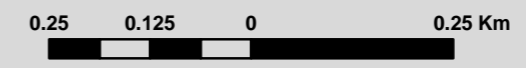
Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

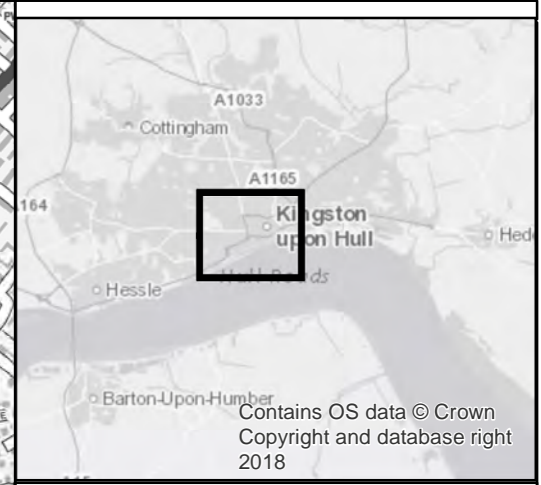
Drawing Title: **FIGURE 16.10: VOLUME 2 - PEOPLE AND COMMUNITIES & EFFECTS ON ALL TRAVELLERS CUMULATIVE ASSESSMENT FOR OPERATION BOUNDARY**

Scale	1:8,000	Designed	MM	Drawn	JM	Checked	AS	Approved	AS
Original Size	A3	Date	07/09/2018	Date	07/09/2018	Date	07/09/2018	Date	07/09/2018

Drawing Number	HE PIN	Originator	Volume	Project Ref. No.
HE514508 - MMSJV - EGN				112630
SO - DR - LE -			000044	Revision
				P03

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015





- LEGEND**
- Operations boundary
 - Developments site - point
 - Developments site - region
 - Operations boundary - 500m ZOI
 - Development sites 500m ZOI - Designated / non-designated historic buildings and landscapes, including Conservation Areas

- Cumulative Assessment**
- ZOI overlap frequency
Historic Buildings and Landscapes - 500m ZOI
- 1 - 2
 - 3
 - 4
 - 5
 - 6 - 7

P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

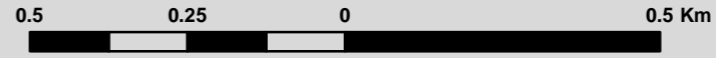
Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

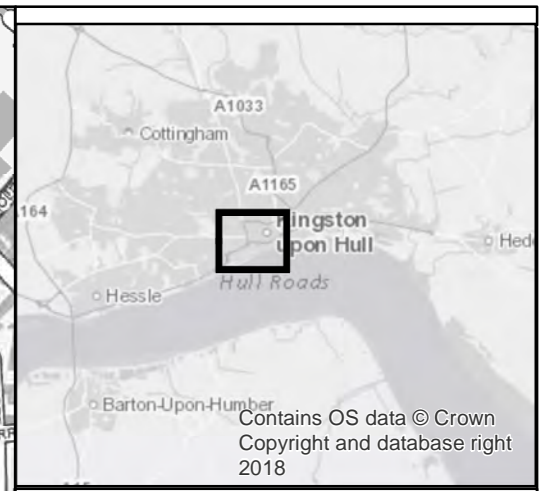
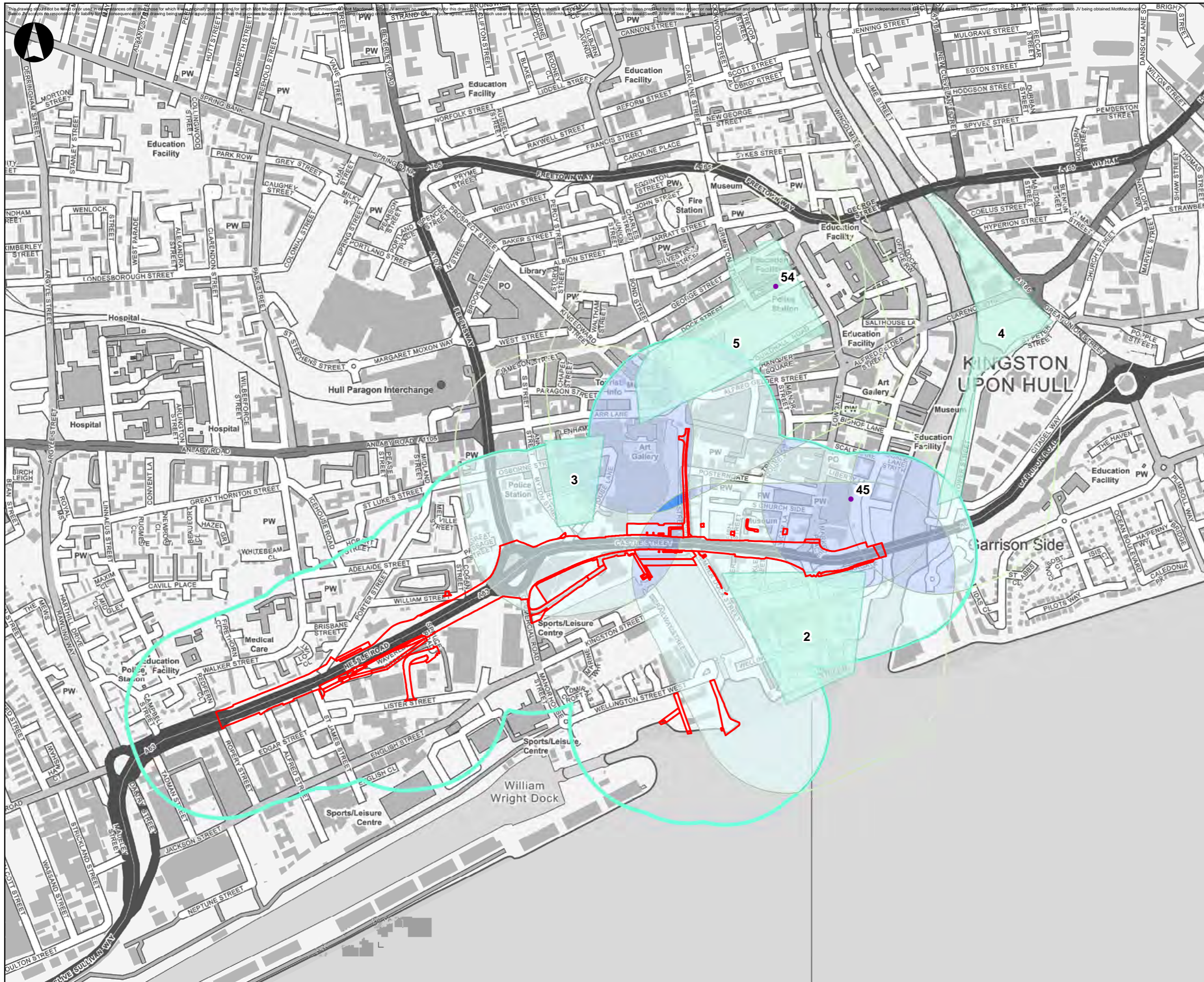
Drawing Title: **FIGURE 16.11: VOLUME 2 - CULTURAL HERITAGE - DESIGNATED / NON-DESIGNATED HISTORIC BUILDINGS & LANDSCAPES (INCLUDING CONSERVATION AREAS) CUMULATIVE ASSESSMENT FOR OPERATION BOUNDARY**

Scale	1:12,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

Drawing Number	HE PIN	Originator	Volume	Project Ref. No.
HE514508 - MMSJV - EGN				112630
SO - DR - LE -		000045	Revision	P03
Location	Type	Role	Number	

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015





LEGEND

- Operations boundary
- Developments site - point
- Developments site - region
- Operations boundary - 200m ZOI
- Development sites 200m ZOI - Archaeological assets

Cumulative Assessment

ZOI overlap frequency
Archaeological assets - 200m ZOI

- 1
- 2
- 3

P03	12/08/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

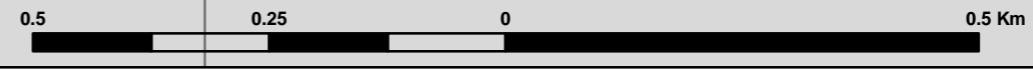
Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

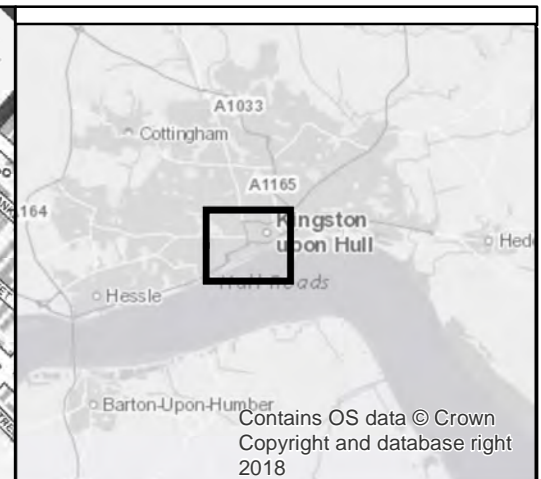
Drawing Title: **FIGURE 16.12: VOLUME 2 - CULTURAL HERITAGE - DESIGNATED / NON-DESIGNATED ARCHAEOLOGICAL ASSETS CUMULATIVE ASSESSMENT FOR OPERATION BOUNDARY**

Scale	1:8,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

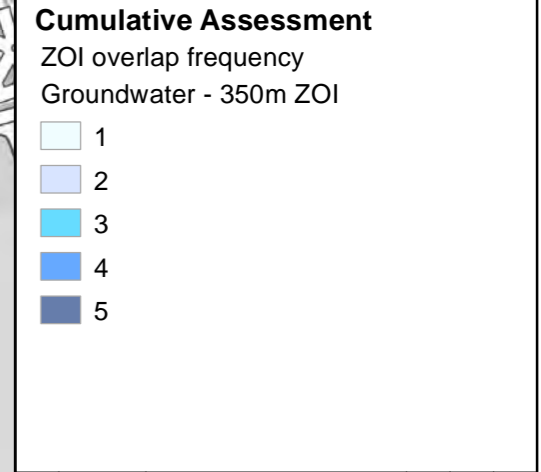
Drawing Number	HE PIN	Originator	Volume	Project Ref. No.
HE514508 - MMSJV - EGN				112630
SO - DR - LE -		000046		Revision
Location	Type	Role	Number	P03

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL100018928 2015





- LEGEND**
- Operations boundary
 - Developments site - point
 - Developments site - region
 - Operations boundary - 350m ZOI
 - Development sites 350m ZOI - Groundwater



P03	12/08/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drwn	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

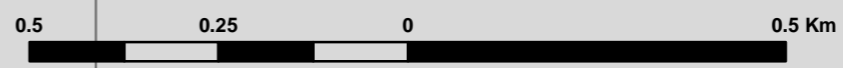
Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

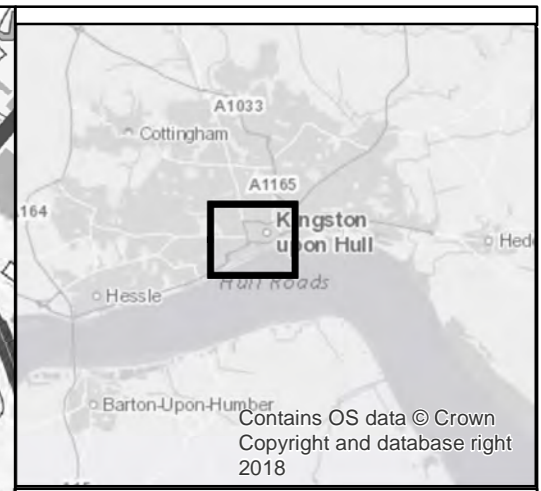
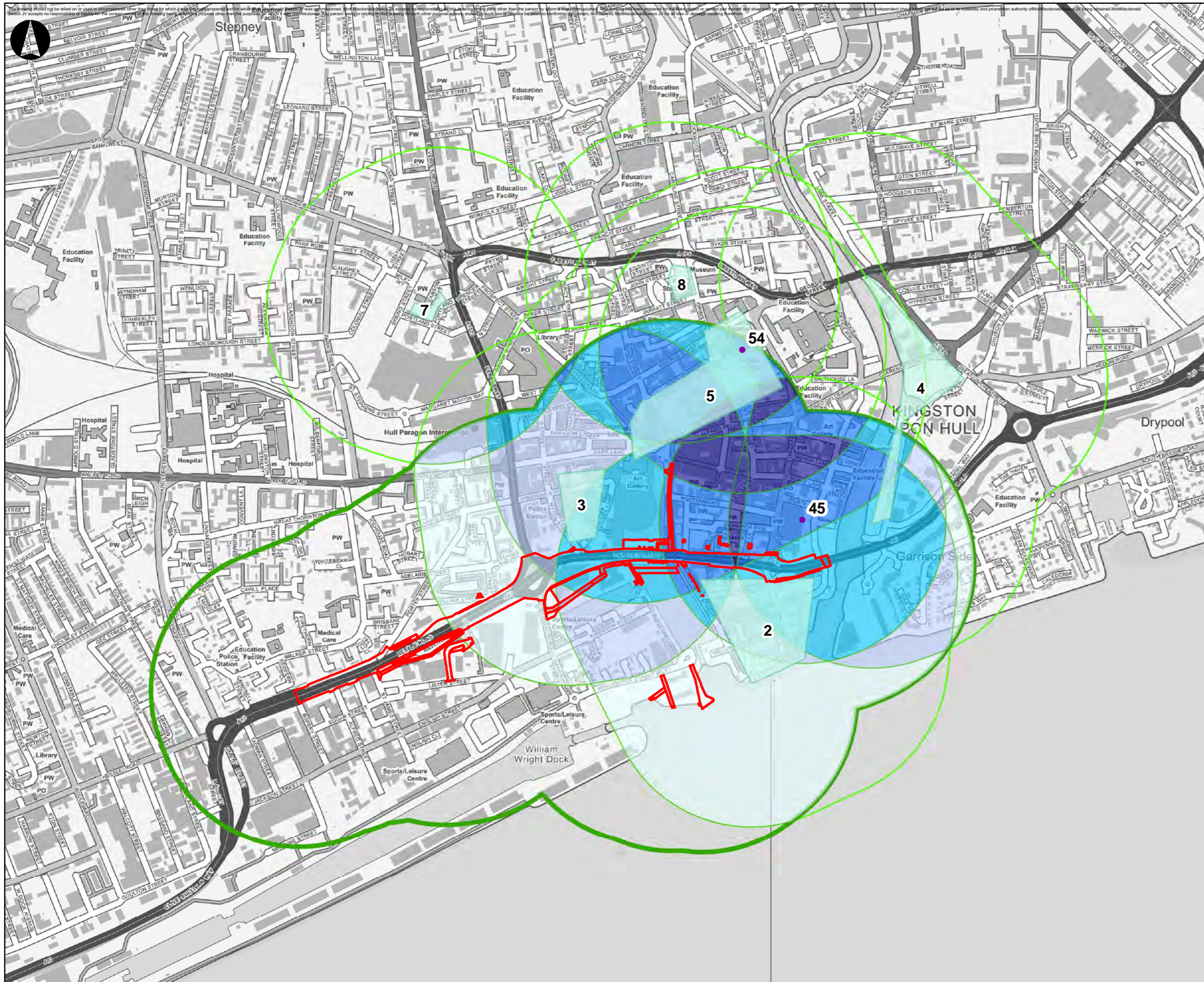
Drawing Title: **FIGURE 16.13: VOLUME 2 - ROAD DRAINAGE AND THE WATER ENVIRONMENT (GROUNDWATER) CUMULATIVE ASSESSMENT FOR OPERATION BOUNDARY**

Scale	1:10,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

Drawing Number	HE PIN	Originator	Volume	Project Ref. No.
S0	DR	LE	000047	112630
Location	Type	Role	Number	Revision
			P03	

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015





LEGEND

- Operations boundary
- Developments site - point
- Developments site - region
- Development sites 400m ZOI - Landscape
- Operations boundary - 400m ZOI

Cumulative Assessment
ZOI overlap frequency
Landscape - 400m ZOI

- 1
- 2
- 3
- 4
- 5 - 6

P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client:

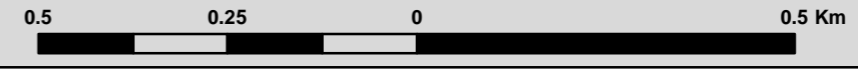
Drawing Status: SHARED | Suitability: S4

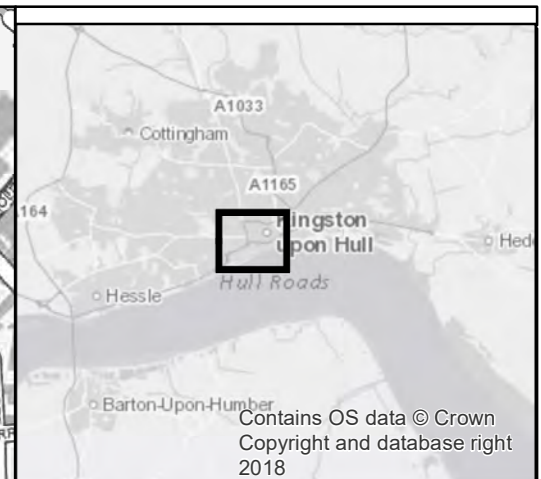
Project Title: A63 CASTLE STREET IMPROVEMENTS, HULL

Drawing Title: FIGURE 16.14: VOLUME 2 - LANDSCAPE CUMULATIVE ASSESSMENT FOR OPERATION BOUNDARY

Scale	1:12,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018
Drawing Number	HE514508 - MMSJV - EGN	Originator	DR	Volume	LE	000048	Project Ref. No.	112630	
Location	S0	Type	DR	Role	LE	000048	Revision	P03	

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015





Contains OS data © Crown Copyright and database right 2018

- LEGEND**
- Operations boundary
 - Developments site - point
 - Developments site - region
 - Operations boundary - 100m ZOI
 - Operations boundary - 250m ZOI
 - Development sites 100m ZOI - Habitats
 - Development sites 250m ZOI - Protected species – reptiles and otters

- Cumulative Assessment**
- ZOI overlap frequency
- Habitats - 100m ZOI
- 1
 - 2
 - 3
- Protected species – reptiles and otters - 250m ZOI
- 1
 - 2
 - 3

P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

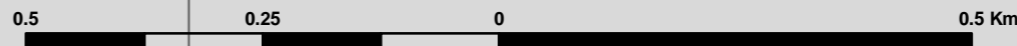
Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

Drawing Title: **FIGURE 16.15: VOLUME 2 - ECOLOGY AND NATURE CONSERVATION - PROTECTED SPECIES (REPTILES AND OTTERS) & HABITATS CUMULATIVE ASSESSMENT FOR OPERATION BOUNDARY**

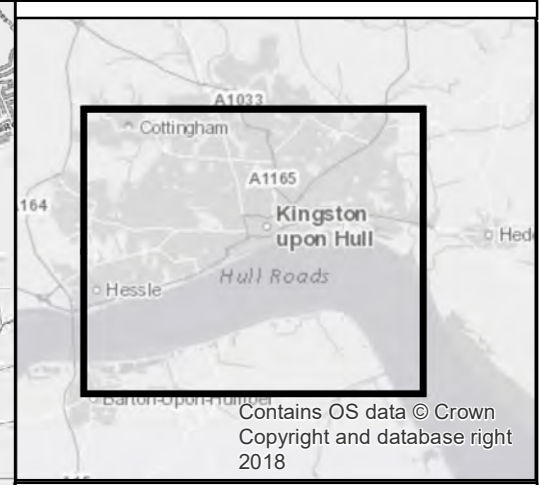
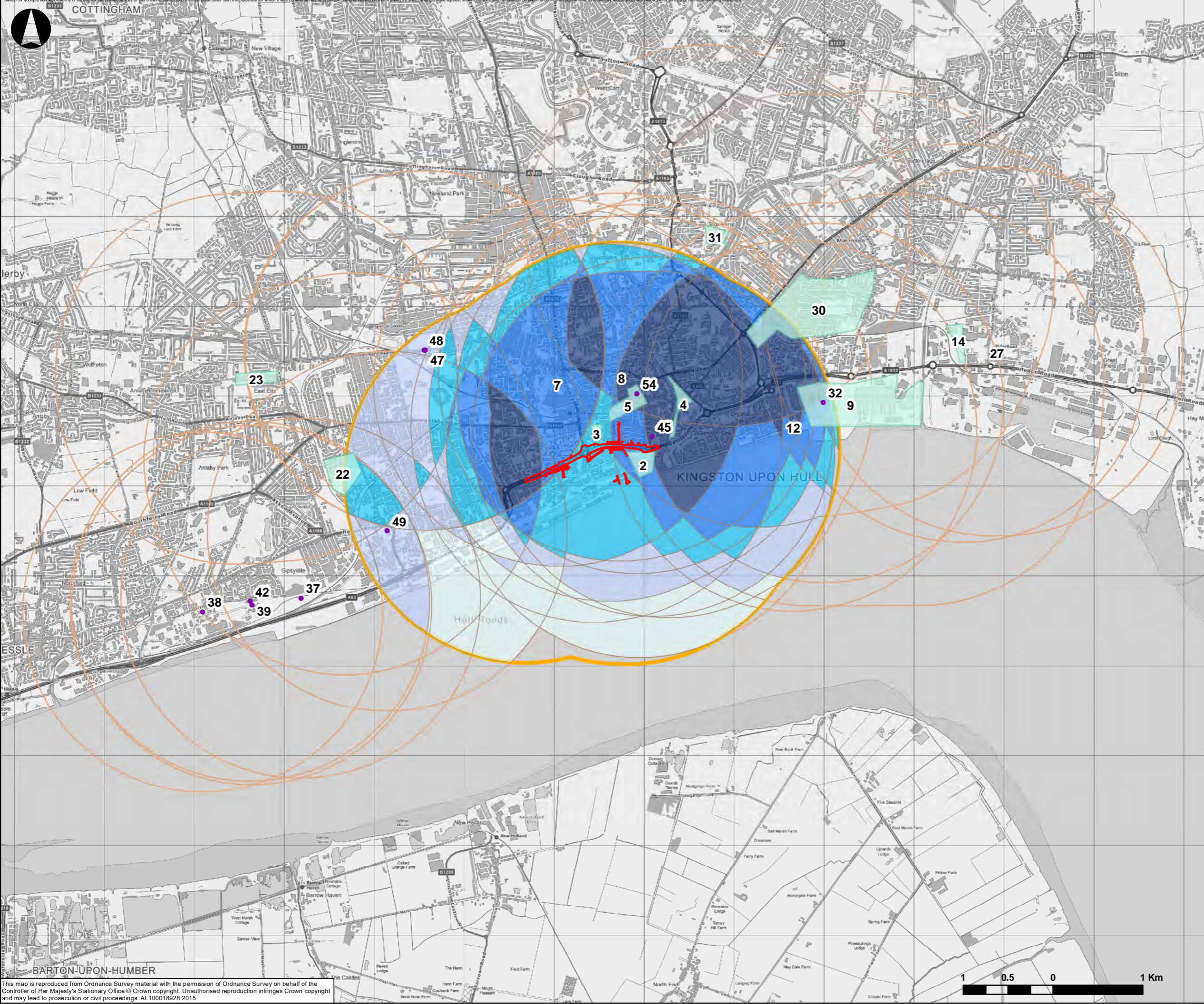
Scale	1:8,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018

Drawing Number	HE PIN	Originator	Volume	Project Ref. No.
S0	DR	LE	000049	112630
Location	Type	Role	Number	Revision
				P03

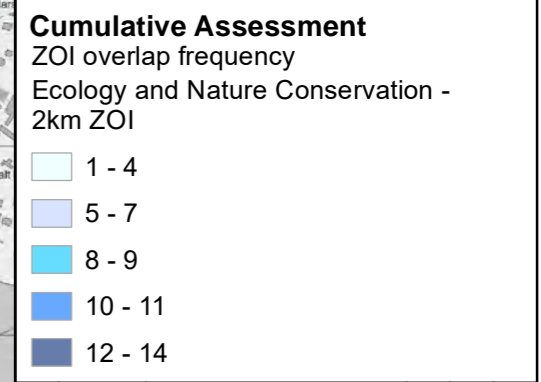
This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015



This drawing should not be relied on or used for any purpose other than those for which it was prepared, and for which Mott MacDonald Sweco JV accepts no responsibility. Any person using or relying on this drawing for any other purpose agrees, and is deemed to have agreed, to indemnify Mott MacDonald Sweco JV for all liability, damages, costs and expenses, including reasonable legal fees, incurred by Mott MacDonald Sweco JV in connection with the use of this drawing for any other purpose.



- LEGEND**
- Operations boundary
 - Developments site - point
 - Developments site - region
 - Operations boundary - 2Km ZOI
 - Development sites 2Km ZOI - Ecology and Nature Conservation
 - Designated sites (statutory and non-statutory)
 - UKBAP Priority habitats
 - Protected species – bats, breeding and wintering birds, fish, aquatic mammals



P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client

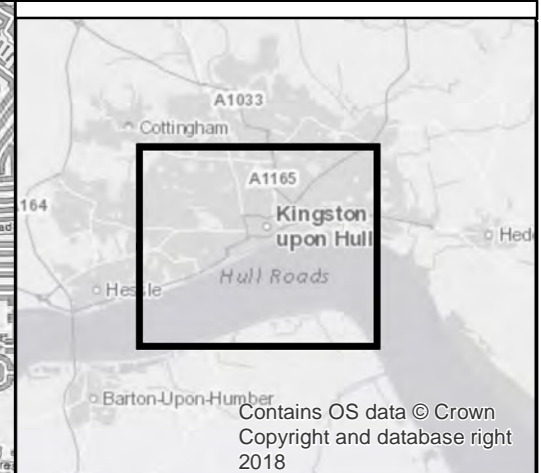
Drawing Status: **SHARED** Suitability: **S4**

Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

Drawing Title: **FIGURE 16.16: VOLUME 2 - ECOLOGY AND NATURE CONSERVATION (ECOLOGY) CUMULATIVE ASSESSMENT FOR OPERATION BOUNDARY**

Scale: 1:40,000	Designed: MM	Drawn: RMT	Checked: AS	Approved: AS
Original Size: A3	Date: 13/09/2018	Date: 13/09/2018	Date: 13/09/2018	Date: 13/09/2018
Drawing Number: HE514508 - MMSJV - EGN	Originator: DR	Volume: LE	Project Ref. No.: 112630	Revision: P03
Location: S0	Type: DR	Role: LE	Number: 000050	

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL10018928 2015



LEGEND

- Operations boundary
- Developments site - point
- Developments site - region
- Operations boundary - 1km ZOI
- Development sites 1km ZOI - Surface waterbodies

Cumulative Assessment
ZOI overlap frequency
Surface waterbodies - 1km ZOI

- 1 - 2
- 3 - 4
- 5
- 6
- 7 - 9

P03	12/09/2018	CPO boundary & analysis	RMT	AS	AS
P02	10/08/2018	Titles and drawing number	RMT	AS	AS
P01	17/05/2018	Buffer interceptions	RMT	AS	AS
Rev	Date	Amendment Details	Drw'n	Chk'd	App'd

Mott MacDonald Sweco

Client

Drawing Status: **SHARED** Suitability: **S4**

Project Title: **A63 CASTLE STREET IMPROVEMENTS, HULL**

Drawing Title: **FIGURE 16.17: VOLUME 2 - ROAD DRAINAGE AND THE WATER ENVIRONMENT (WATERBODIES) CUMULATIVE ASSESSMENT FOR OPERATION BOUNDARY**

Scale	1:28,000	Designed	MM	Drawn	RMT	Checked	AS	Approved	AS
Original Size	A3	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018	Date	13/09/2018
Drawing Number	HE514508 - MMSJV - EGN	Originator	DR	Volume	000051	Project Ref. No.	112630		
Location	S0	Type	LE	Number	P03	Revision			

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. AL100018928 2015