

# Lower Thames Crossing

## 6.3 Environmental Statement Appendices

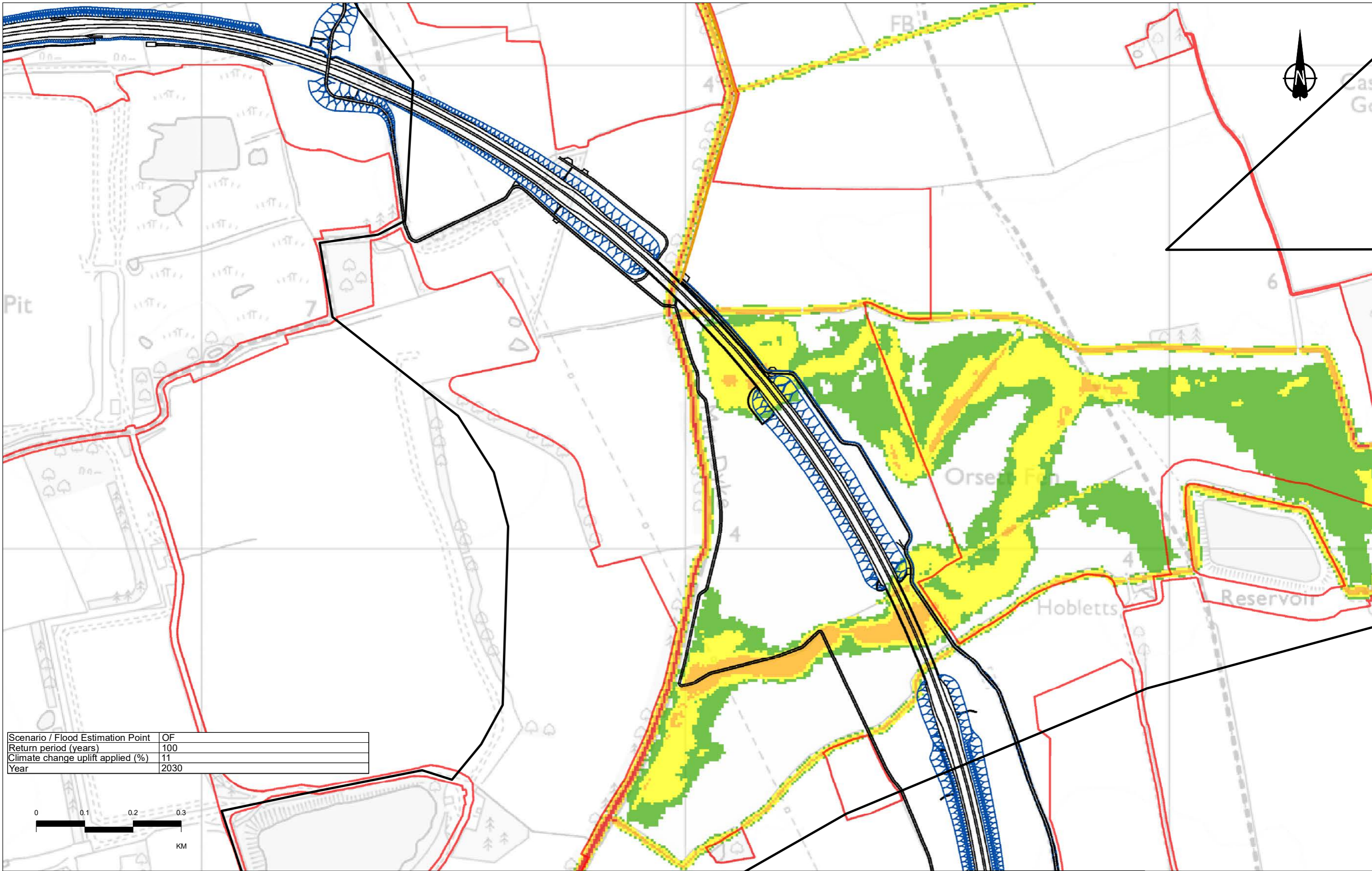
### Appendix 14.6 - Flood Risk Assessment - Part 9 Annex E

APFP Regulation 5(2)(a)  
Infrastructure Planning  
(Applications: Prescribed Forms and Procedure)  
Regulations 2009  
Volume 6

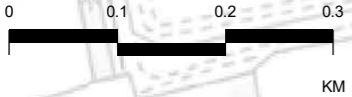
**DATE:** October 2022

Planning Inspectorate Scheme Ref: TR010032  
Application Document Ref: TR010032/APP/6.3

**VERSION:** 1.0



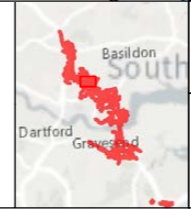
Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

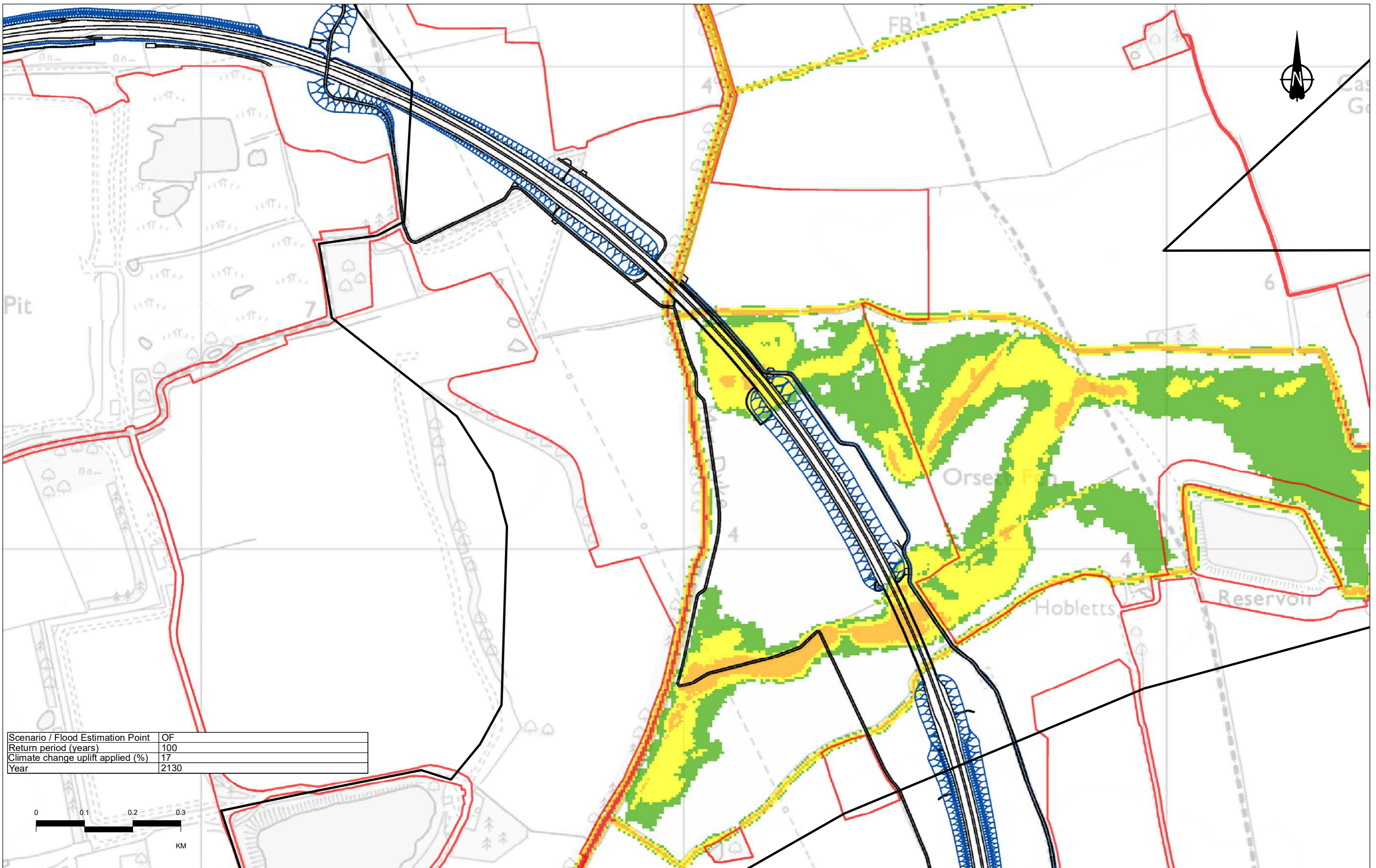
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Pre-development</b> <b>Sheet 14 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00427				



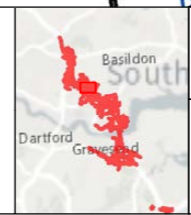
Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

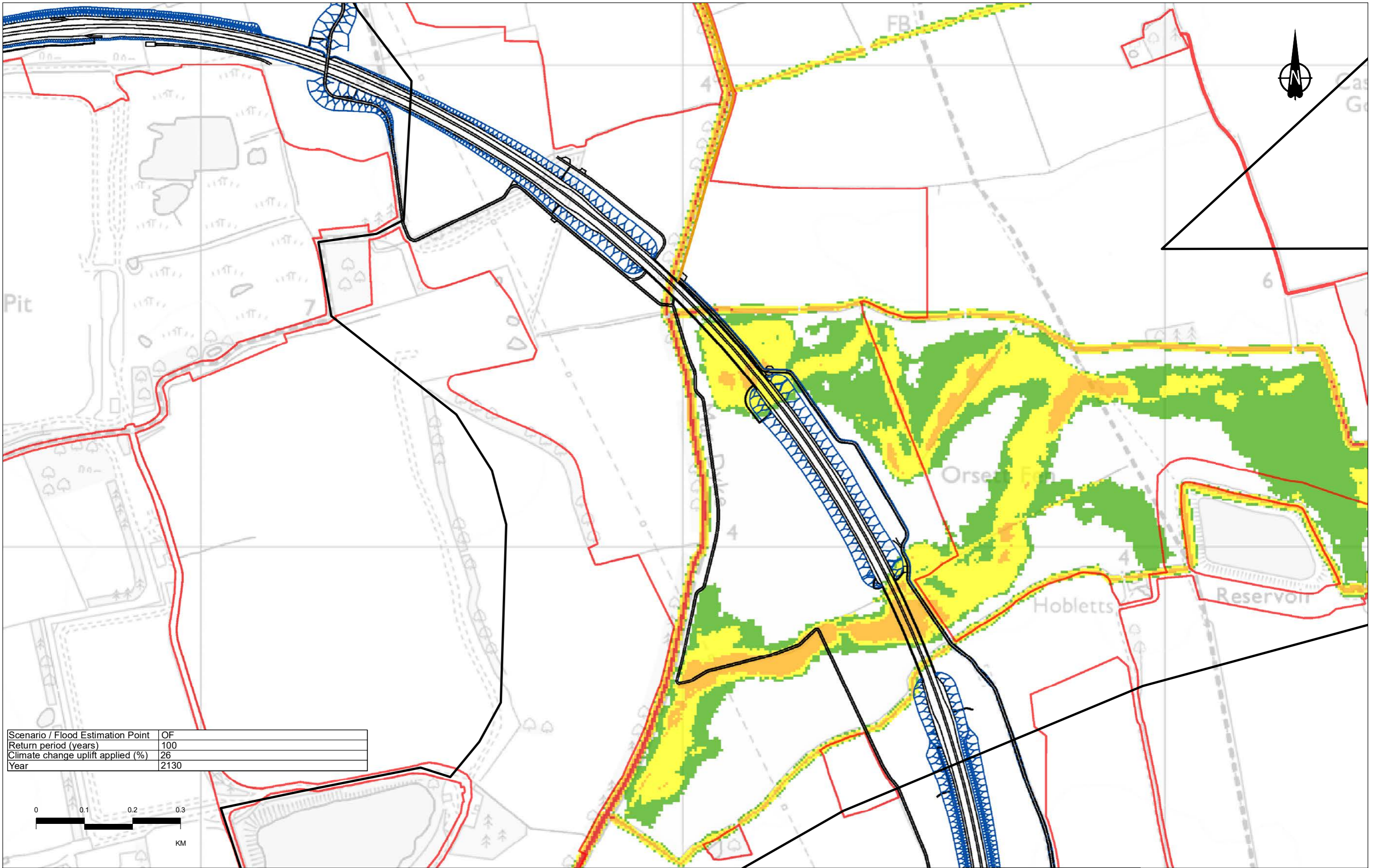
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Pre-development</b> <b>Sheet 15 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00428				



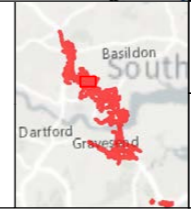
Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

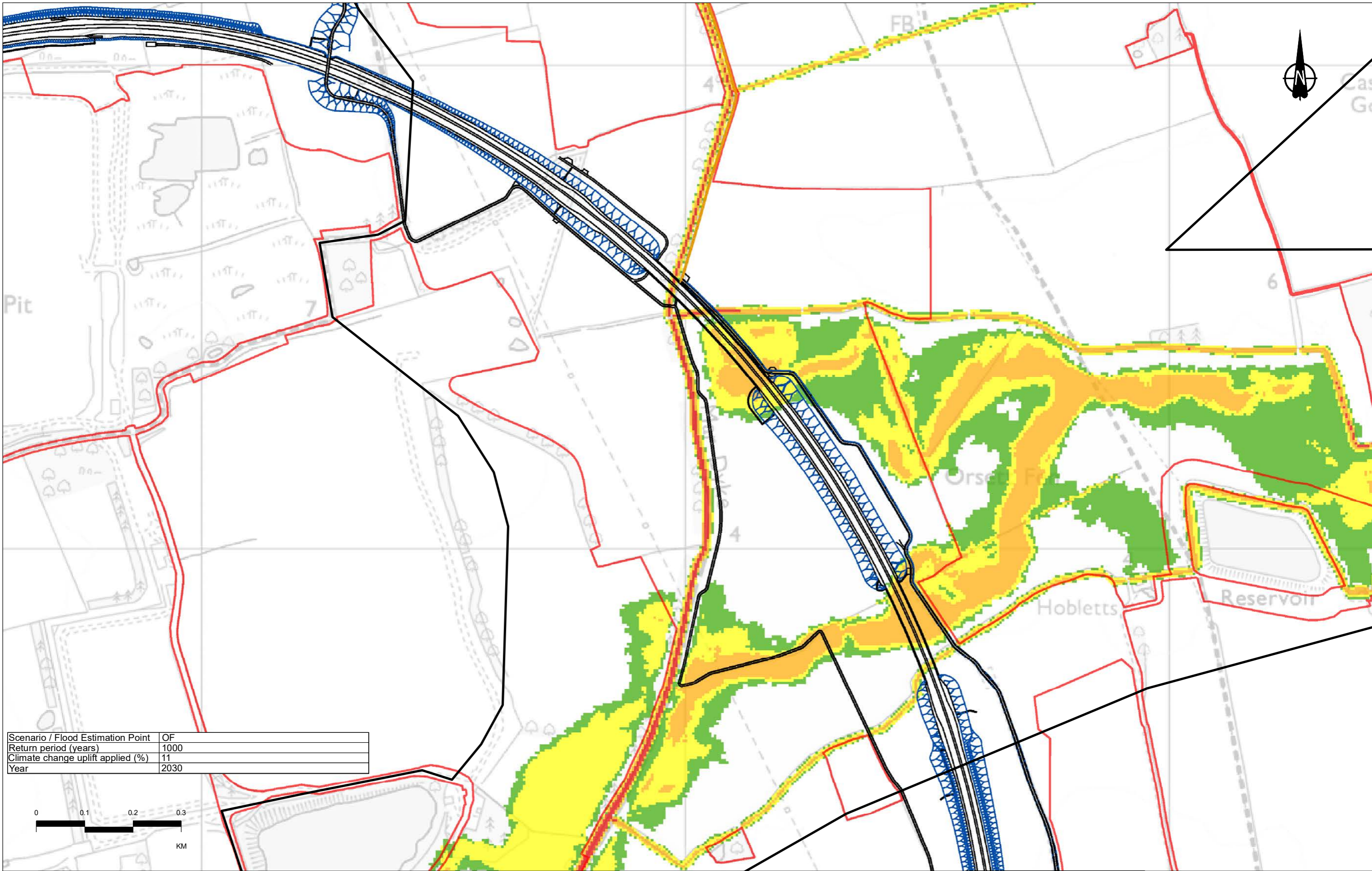
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



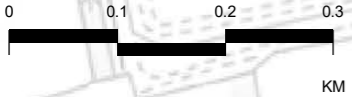
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
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Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00429				



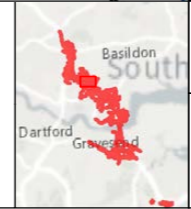
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

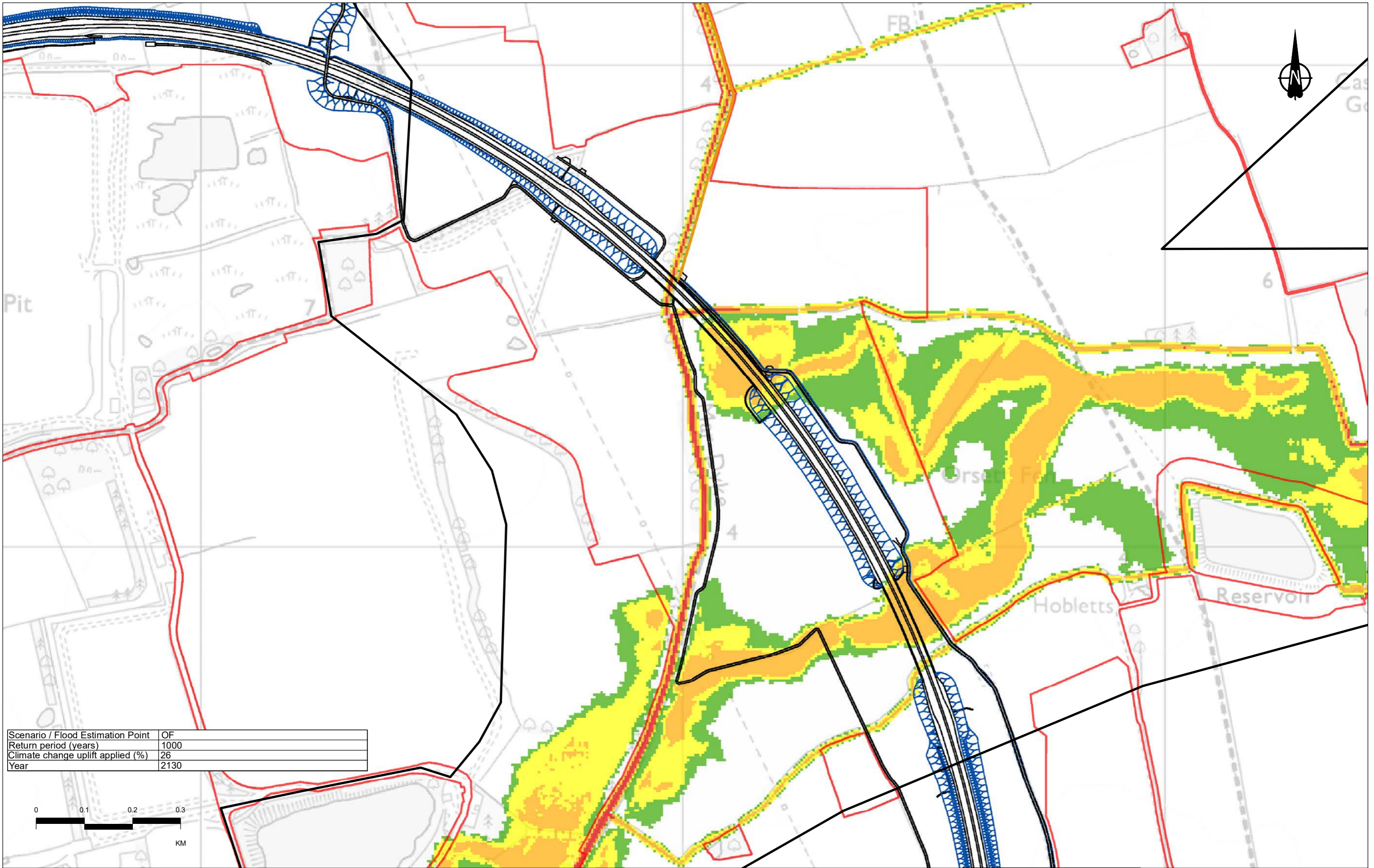
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



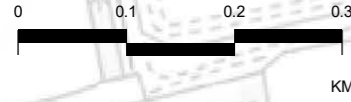
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
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Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00430				



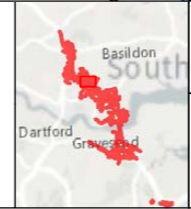
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

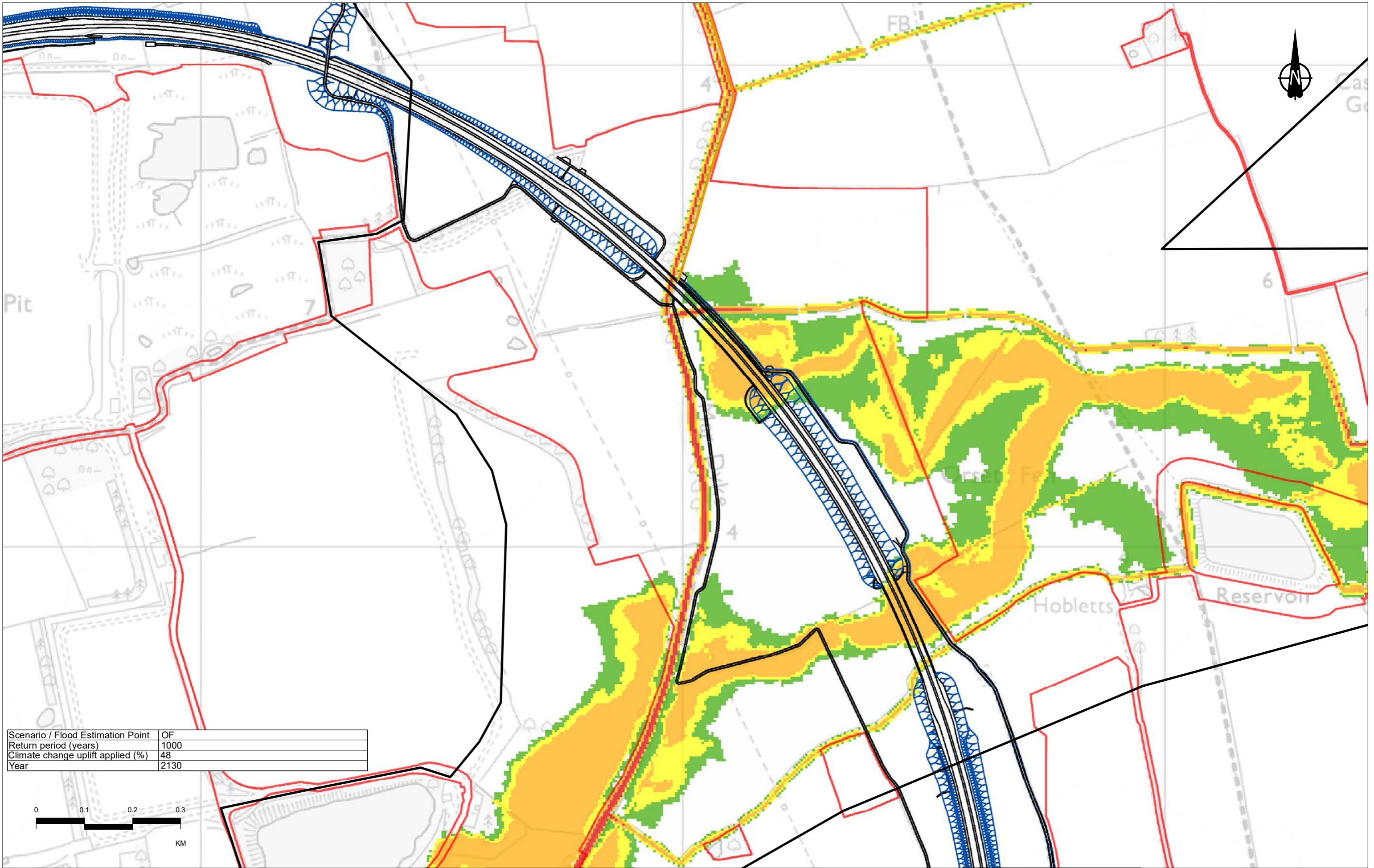
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



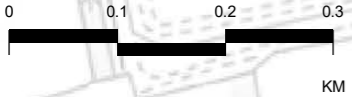
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Pre-development</b> <b>Sheet 18 of 38</b>				
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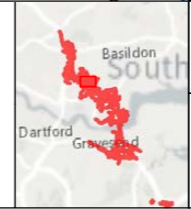
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	48
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

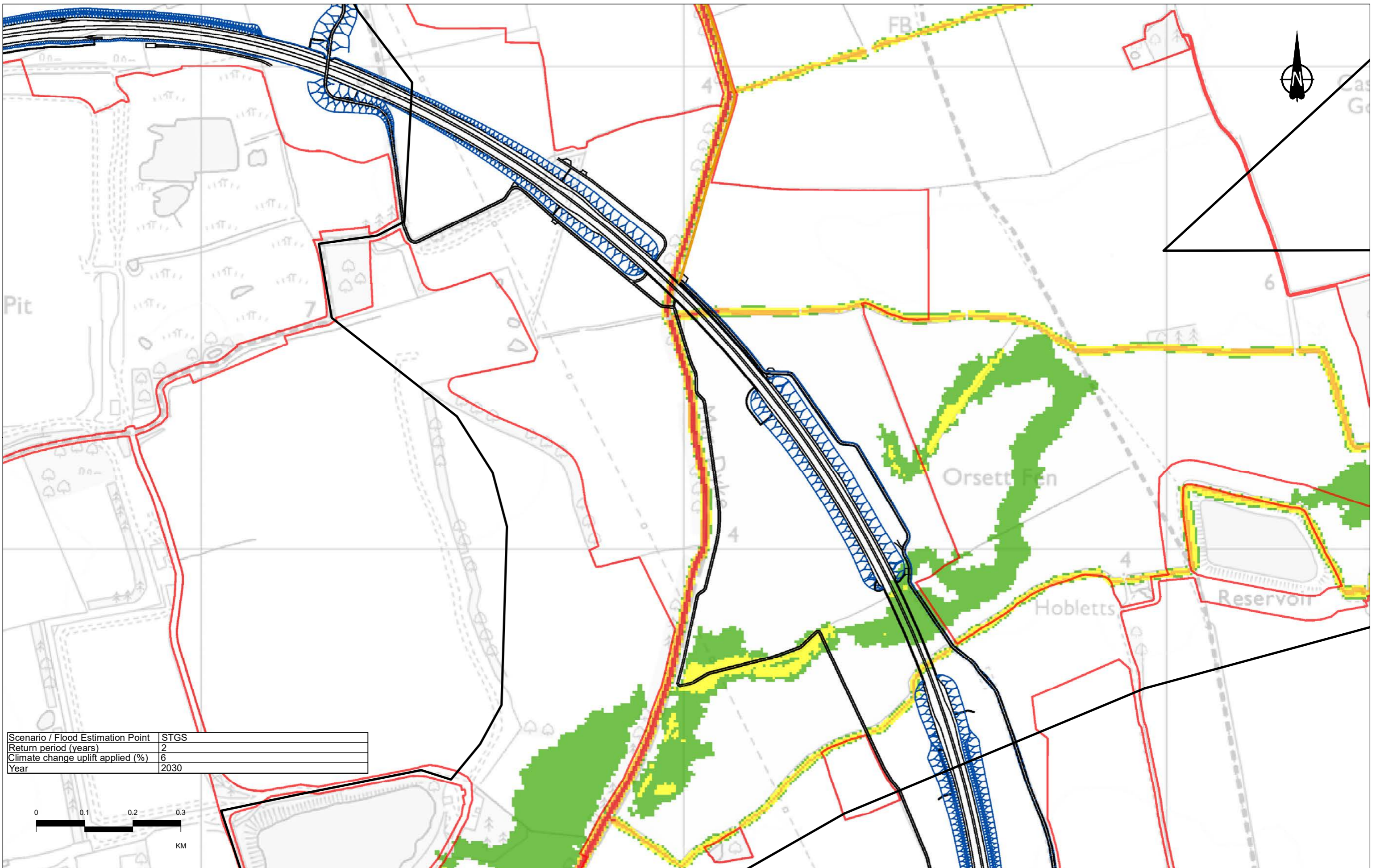
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Pre-development Sheet 19 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00432				



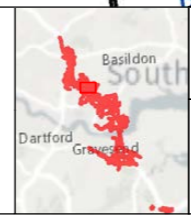
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all

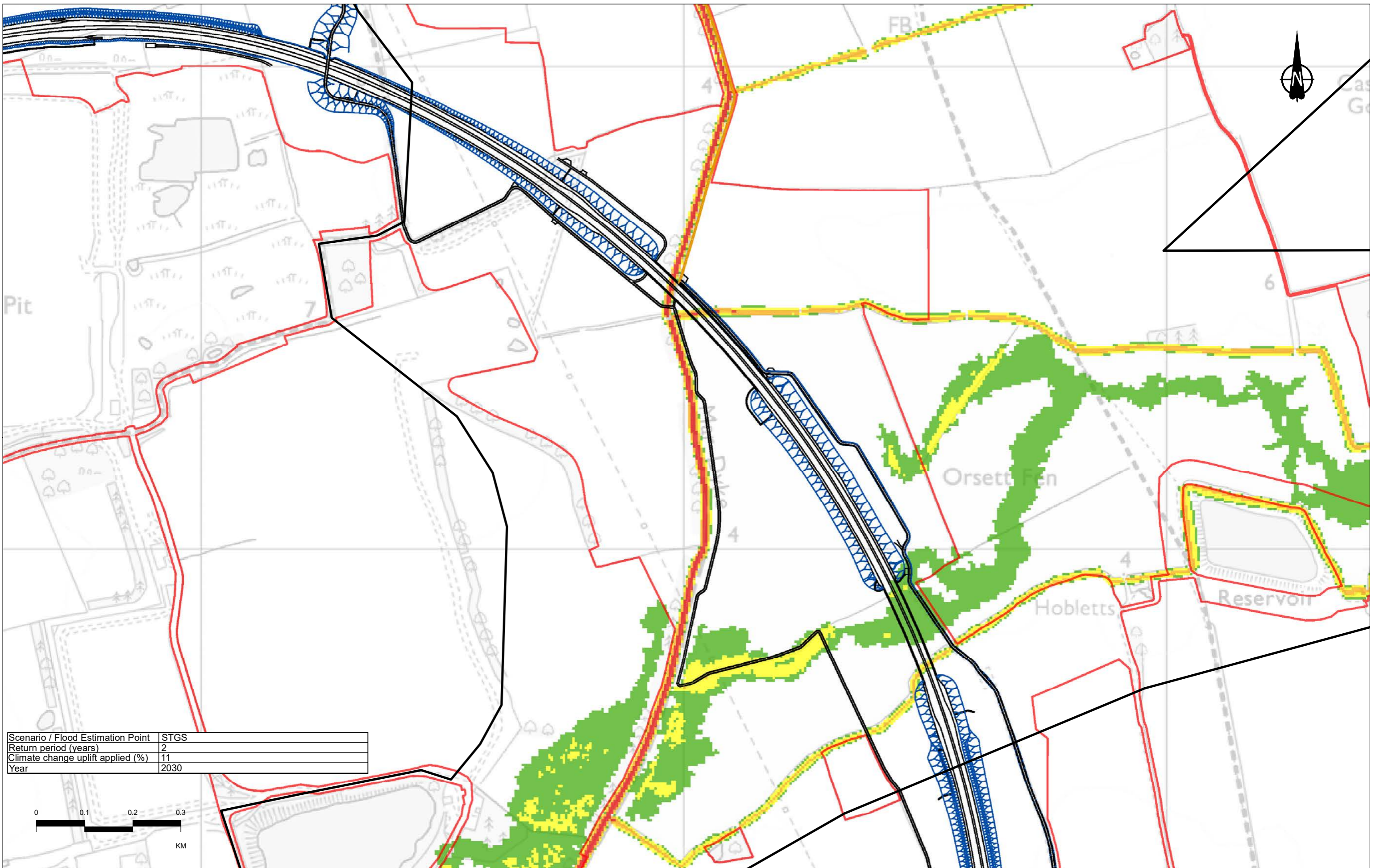


Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Pre-development</b> <b>Sheet 20 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00433				





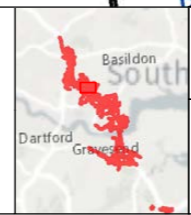
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

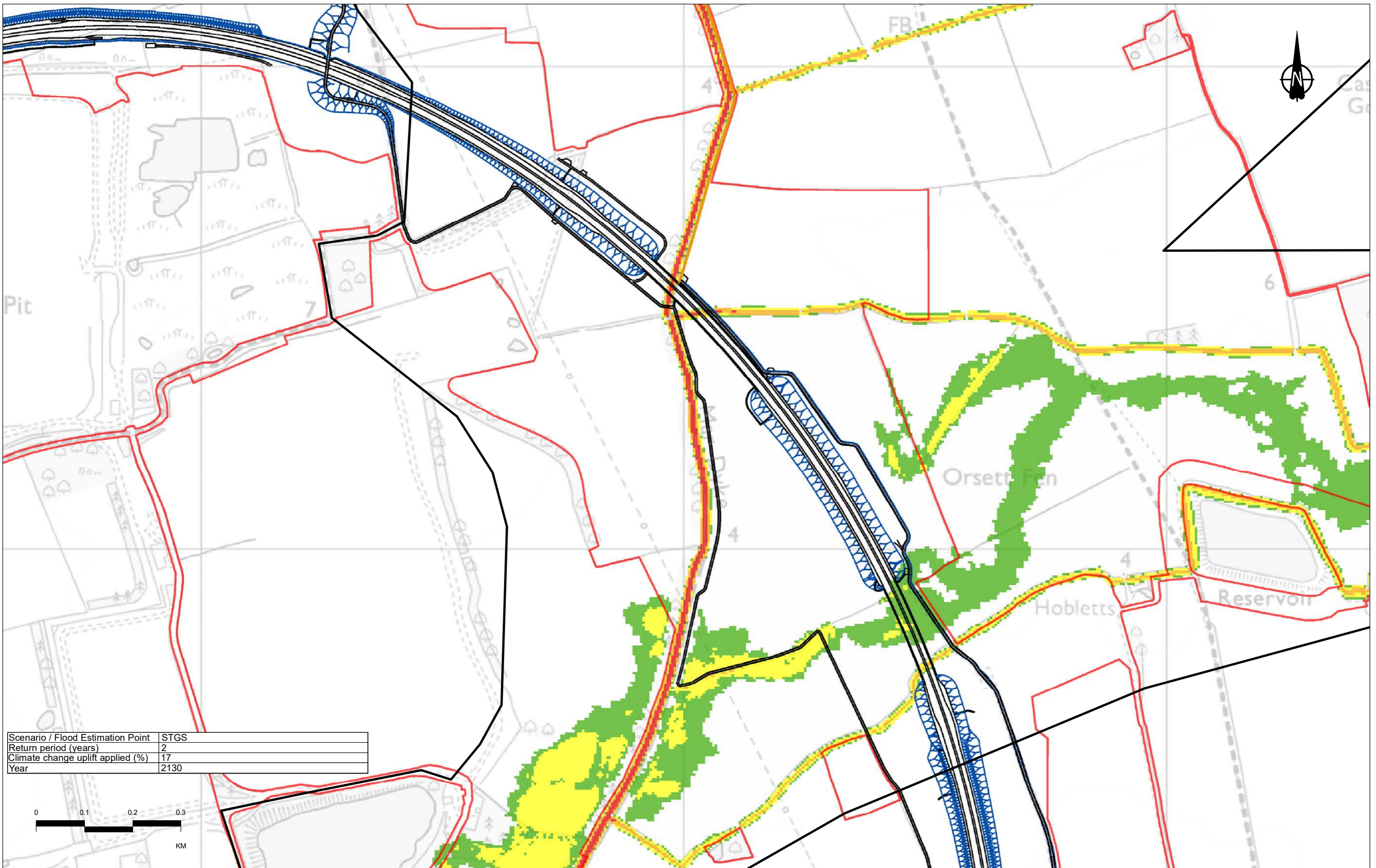
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Pre-development</b> <b>Sheet 21 of 38</b>				
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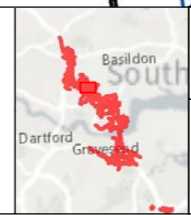
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

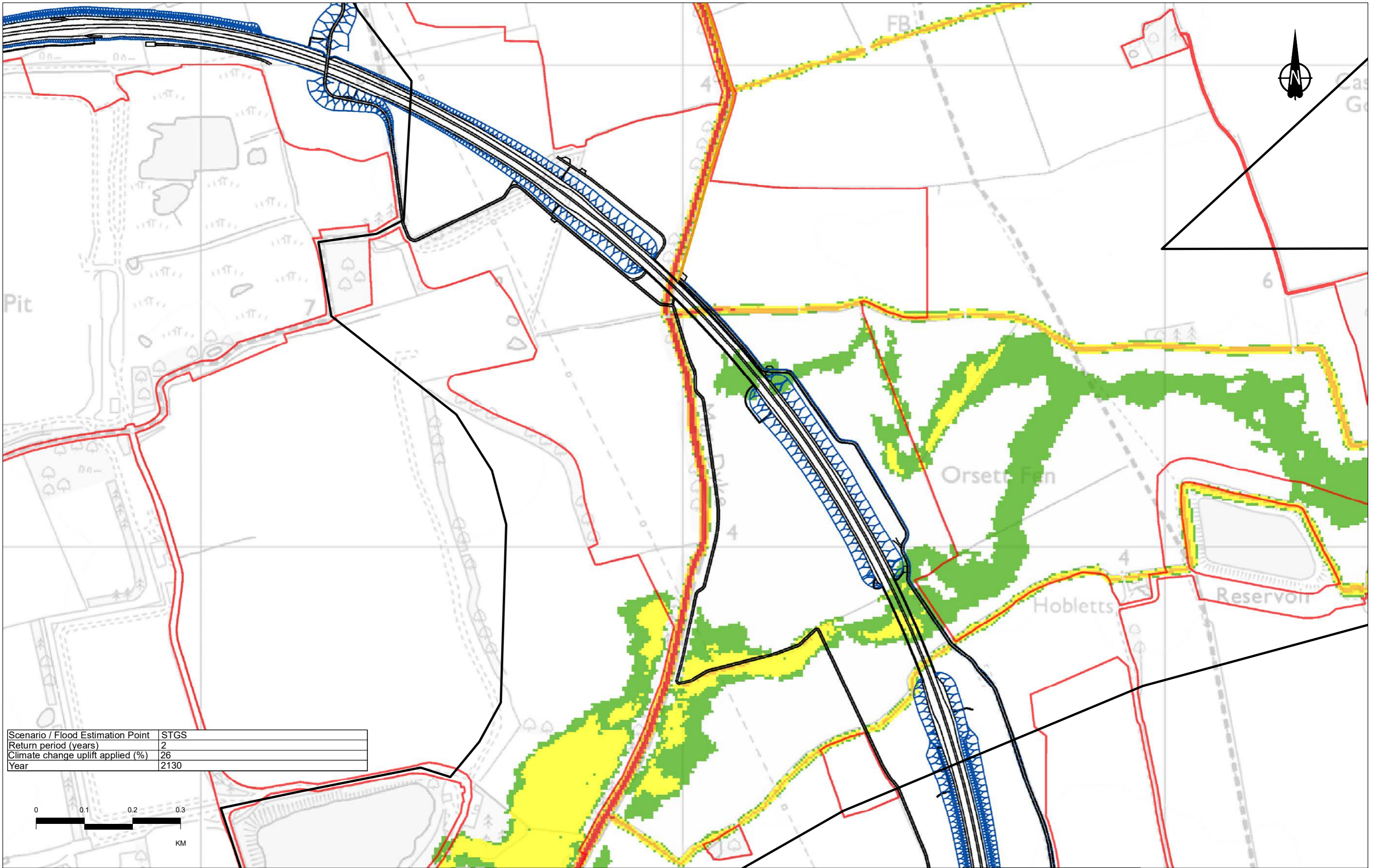
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Pre-development Sheet 22 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00435				



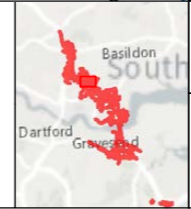
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

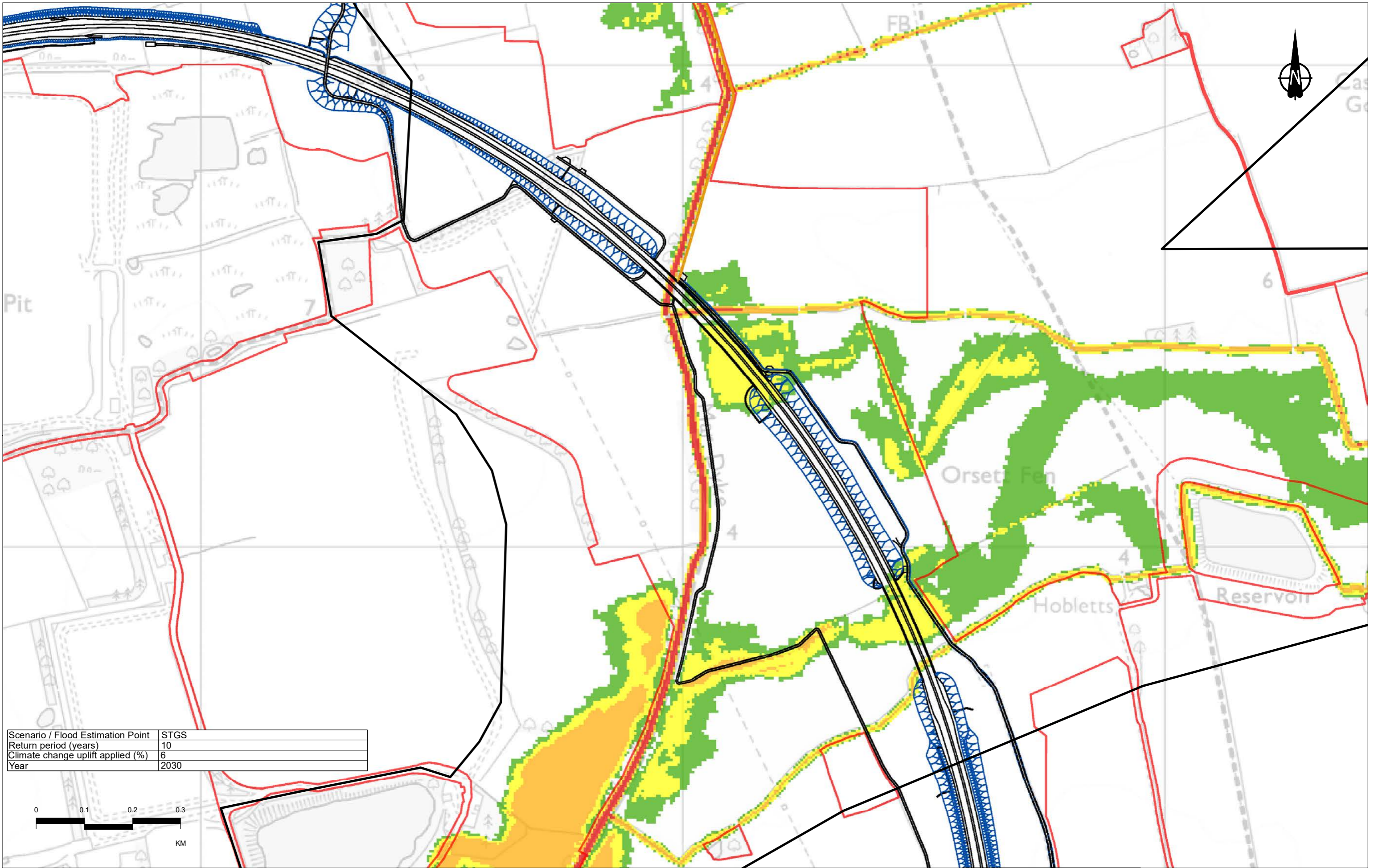
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



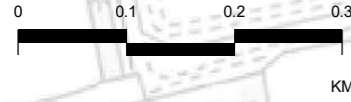
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
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Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00436				



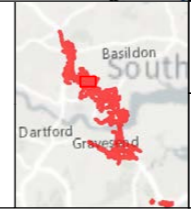
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	6
Year	2030



P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

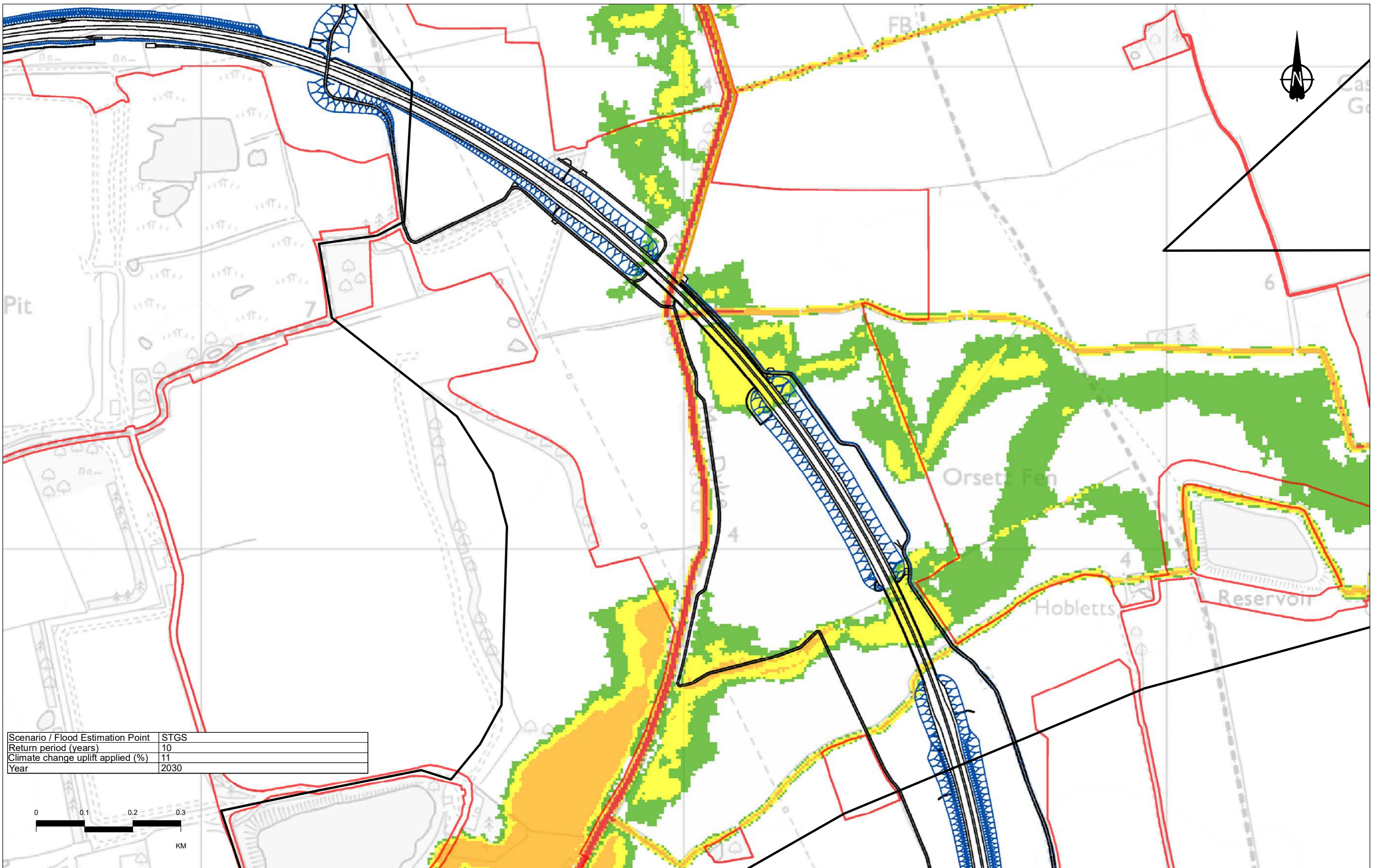
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Pre-development Sheet 24 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00437				



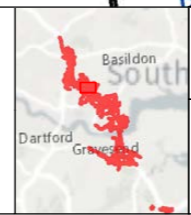
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

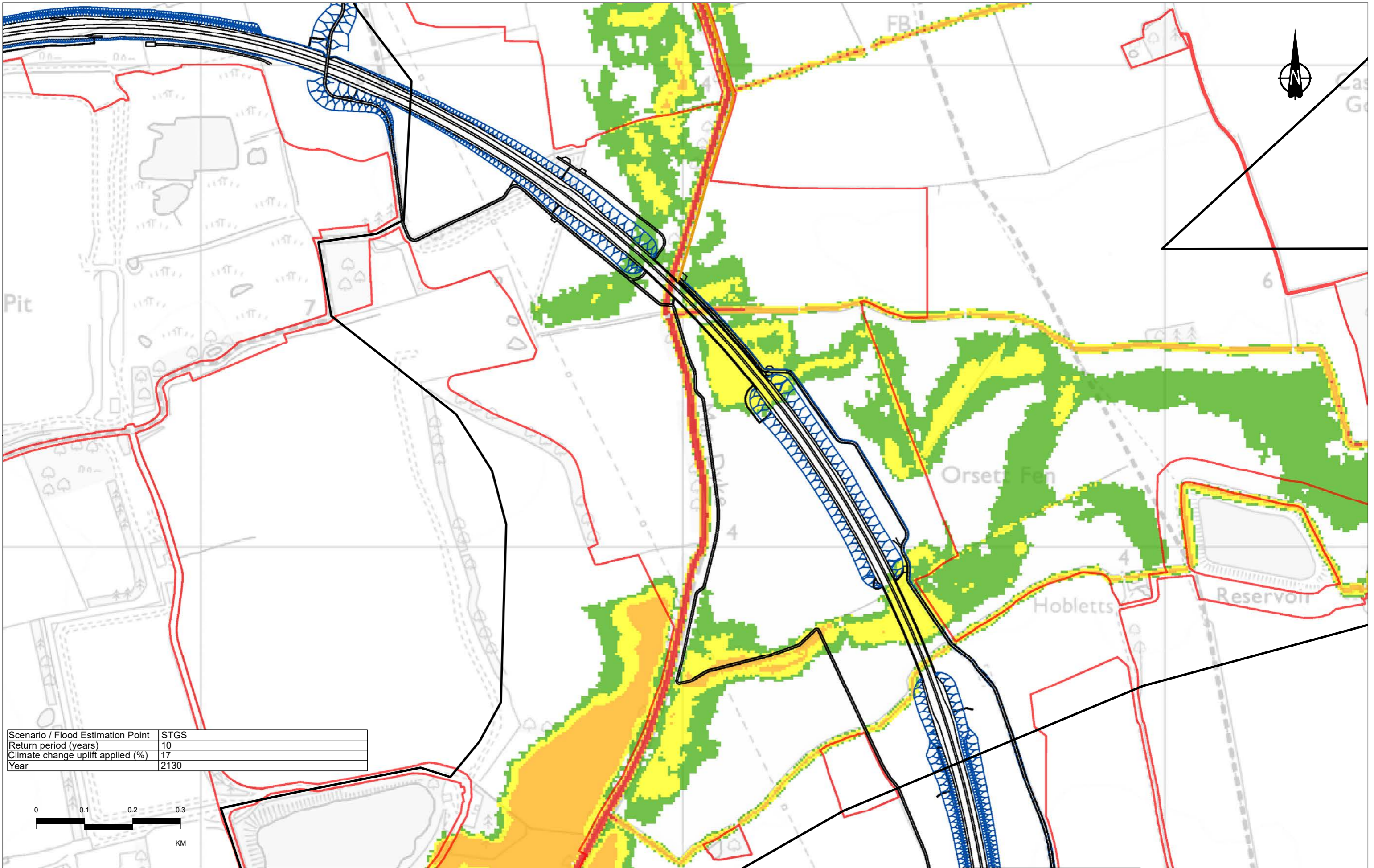
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
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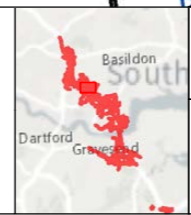
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

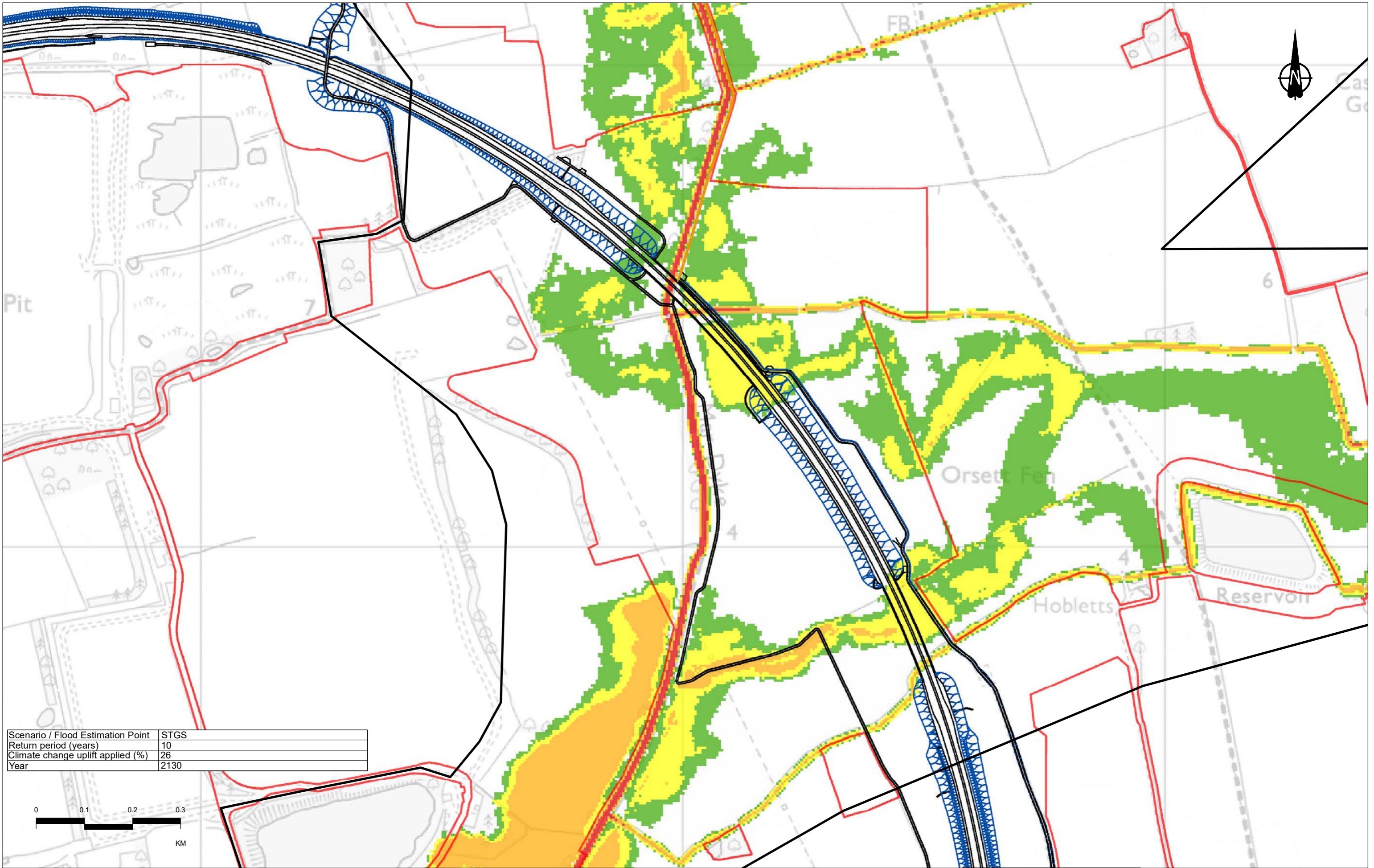
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



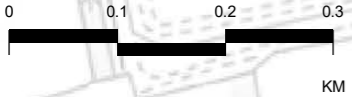
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
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Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00439				



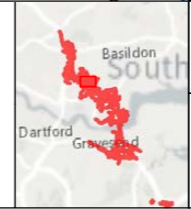
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

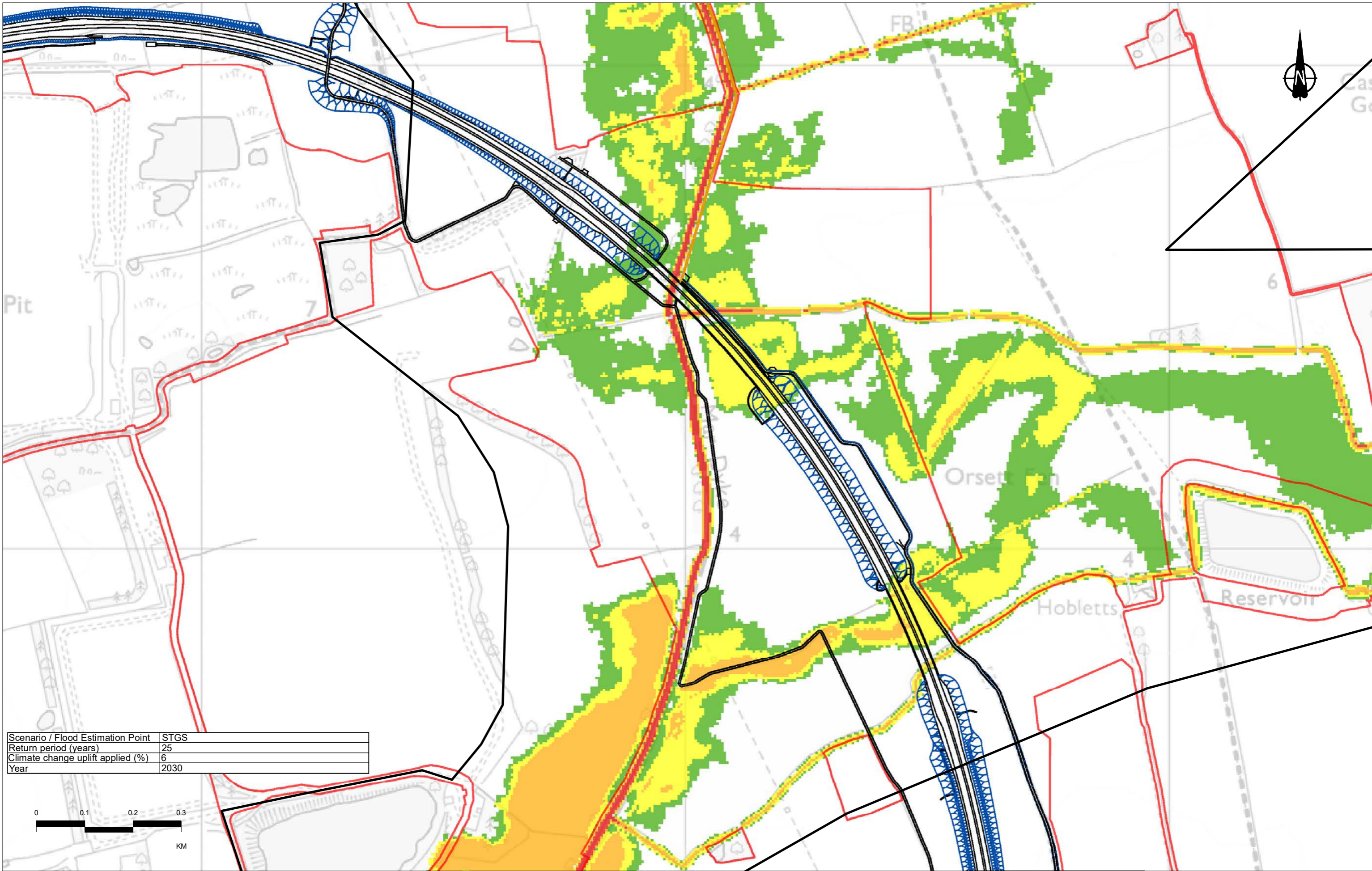
2D model extent	Proposed LTC alignment	Maximum flood hazard category
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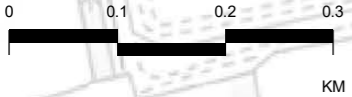
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
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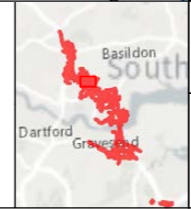
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
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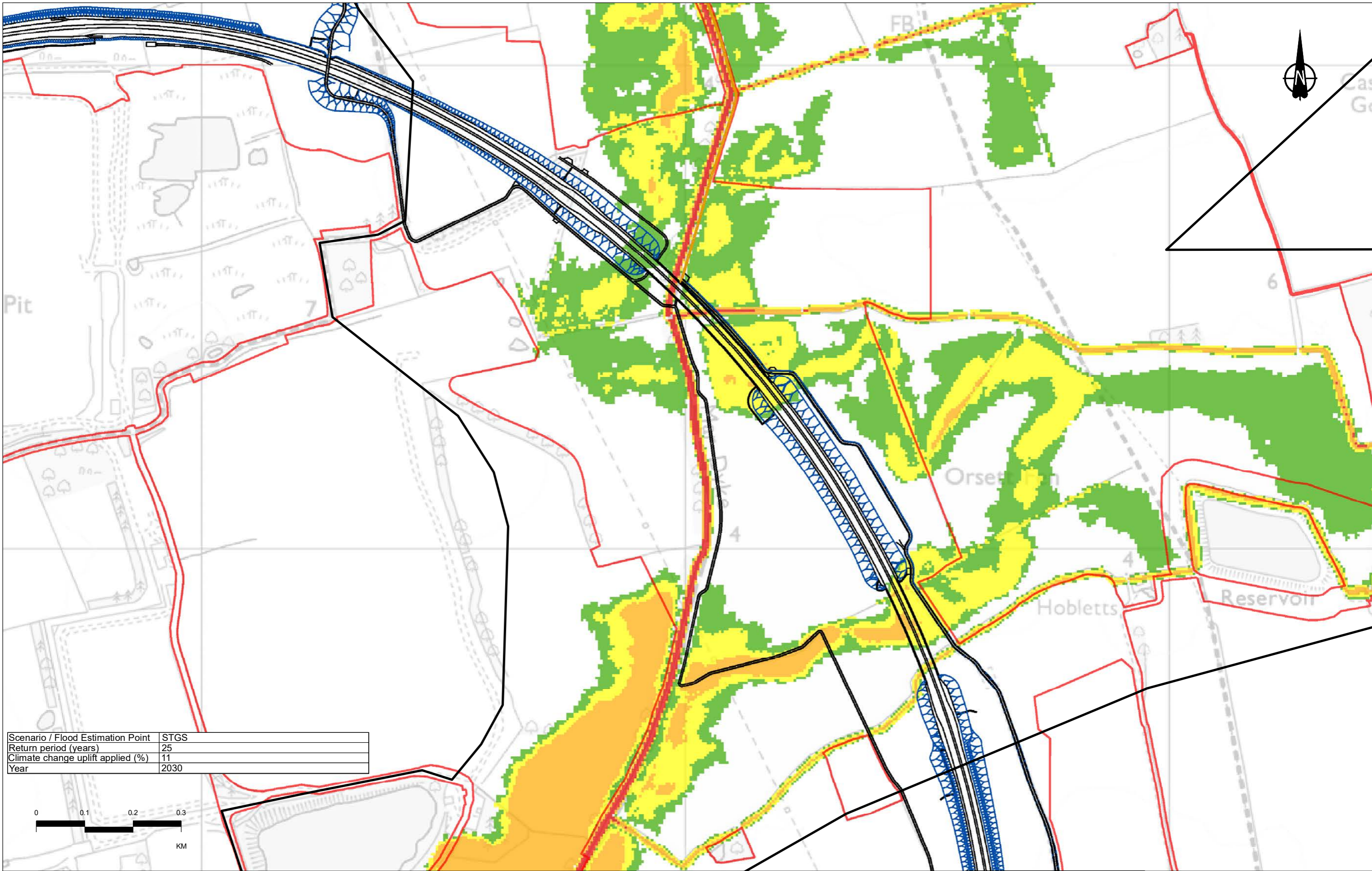


Client: **national highways**

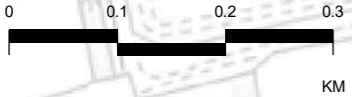
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Pre-development</b> <b>Sheet 28 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00441				





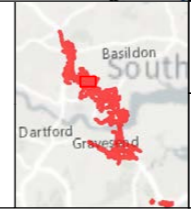
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

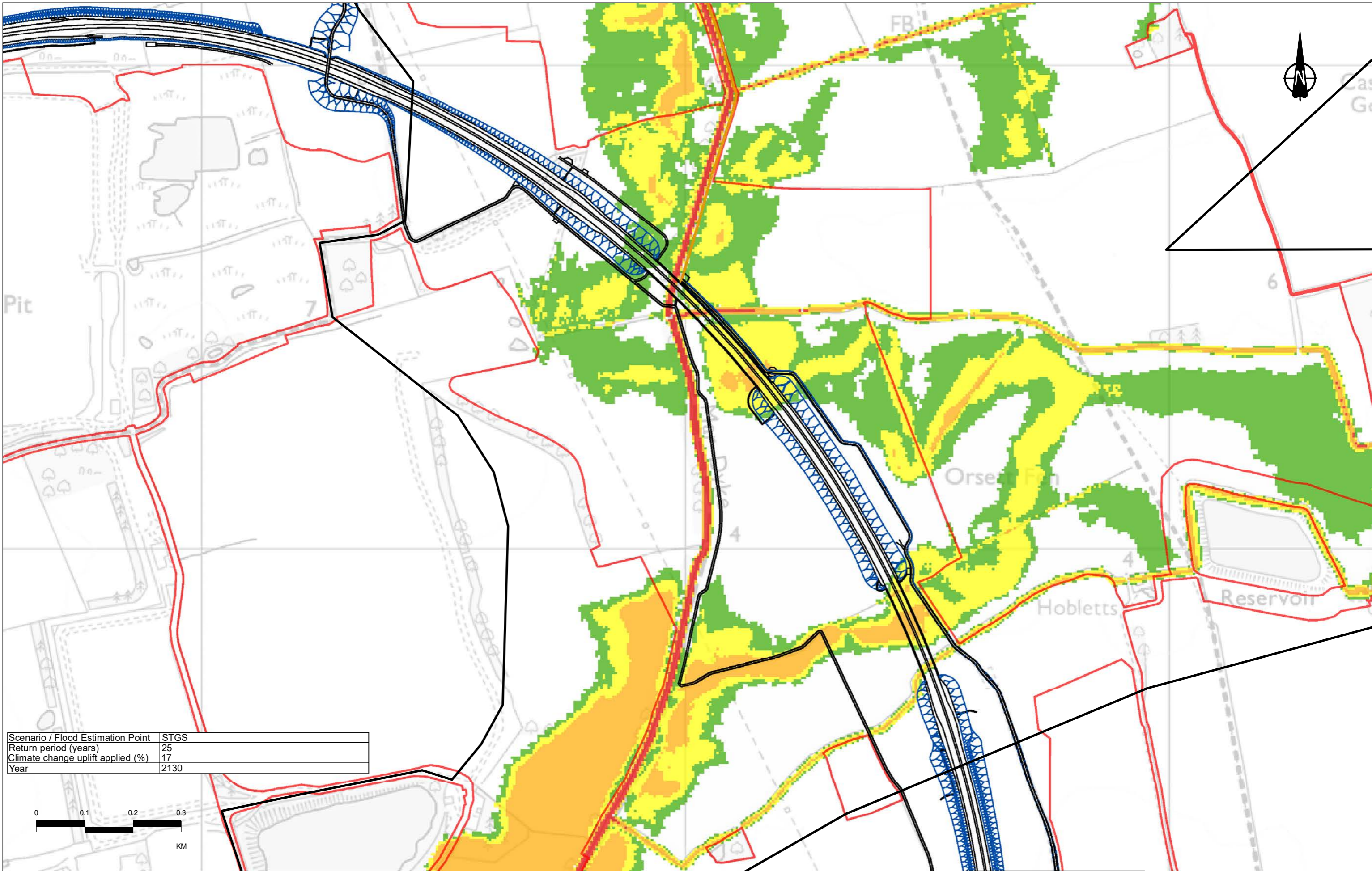
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



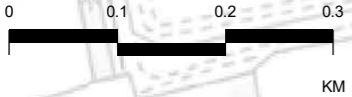
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Pre-development</b> <b>Sheet 29 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00442				



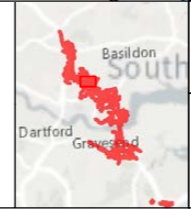
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

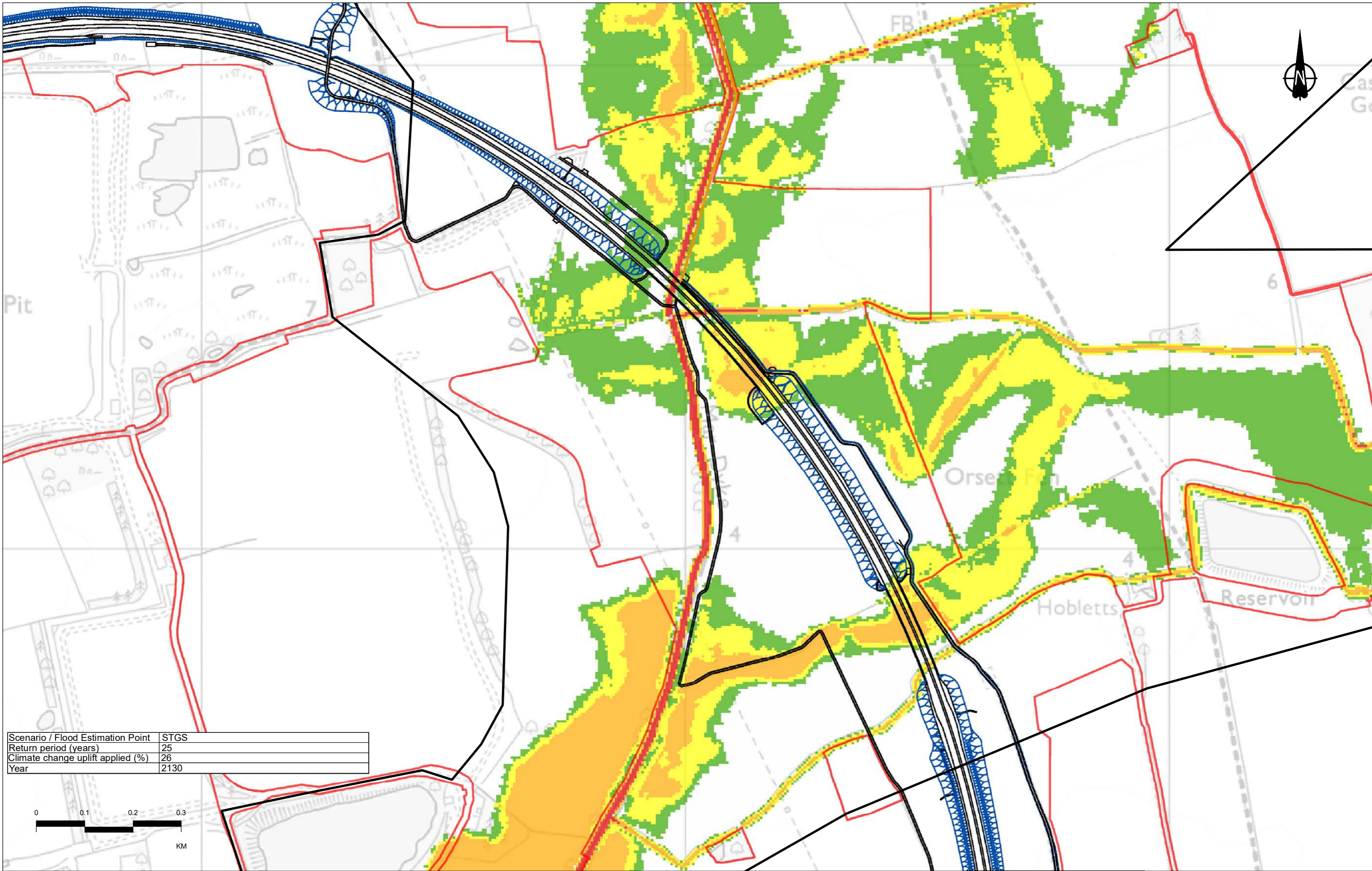
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



Client: **national highways**

Project: **LOWER THAMES CROSSING**

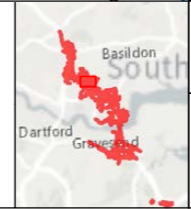
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Pre-development Sheet 30 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00443				



P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

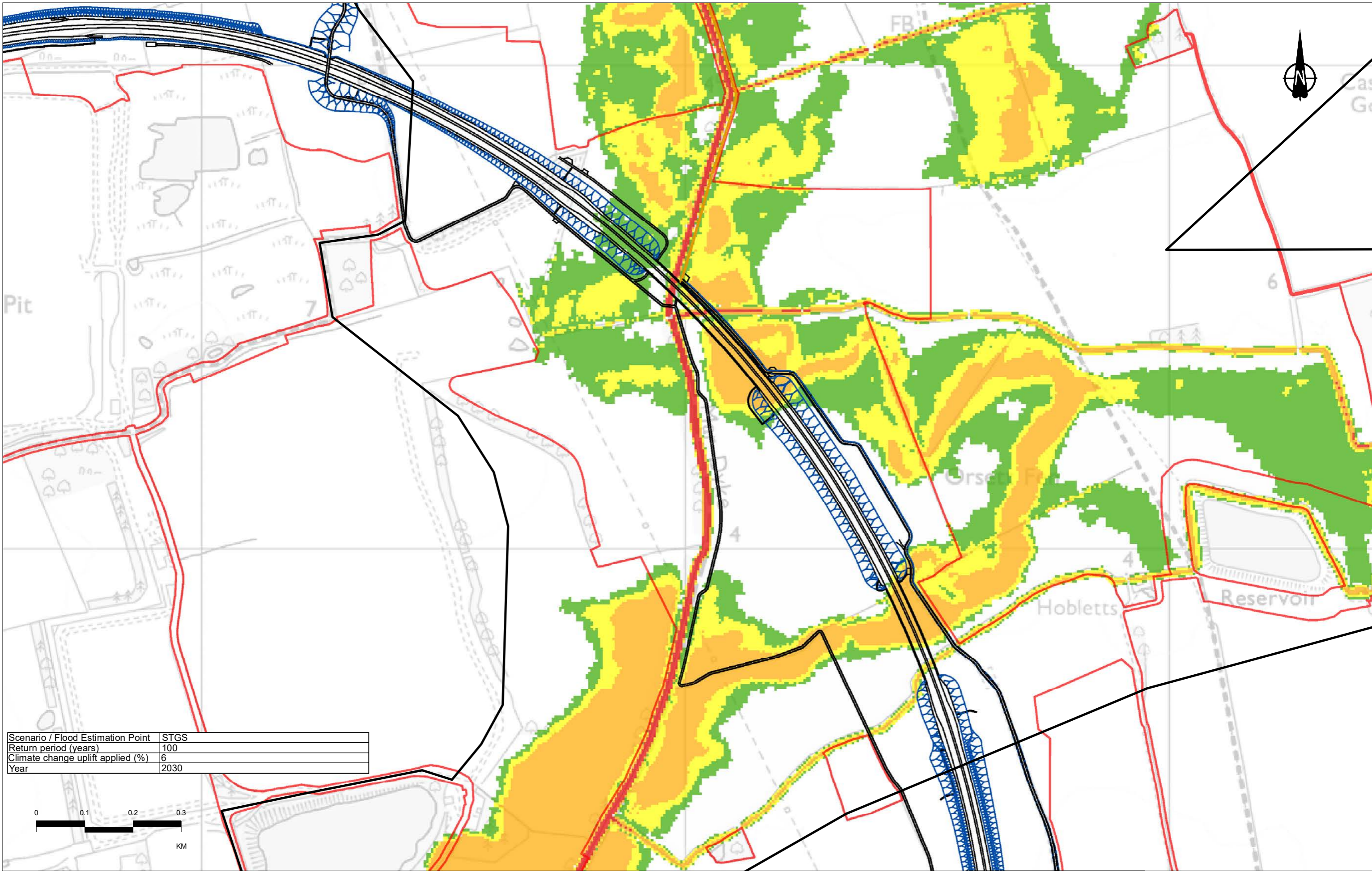
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Pre-development Sheet 31 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00444				

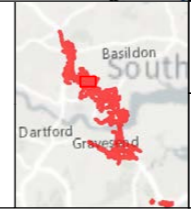


Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

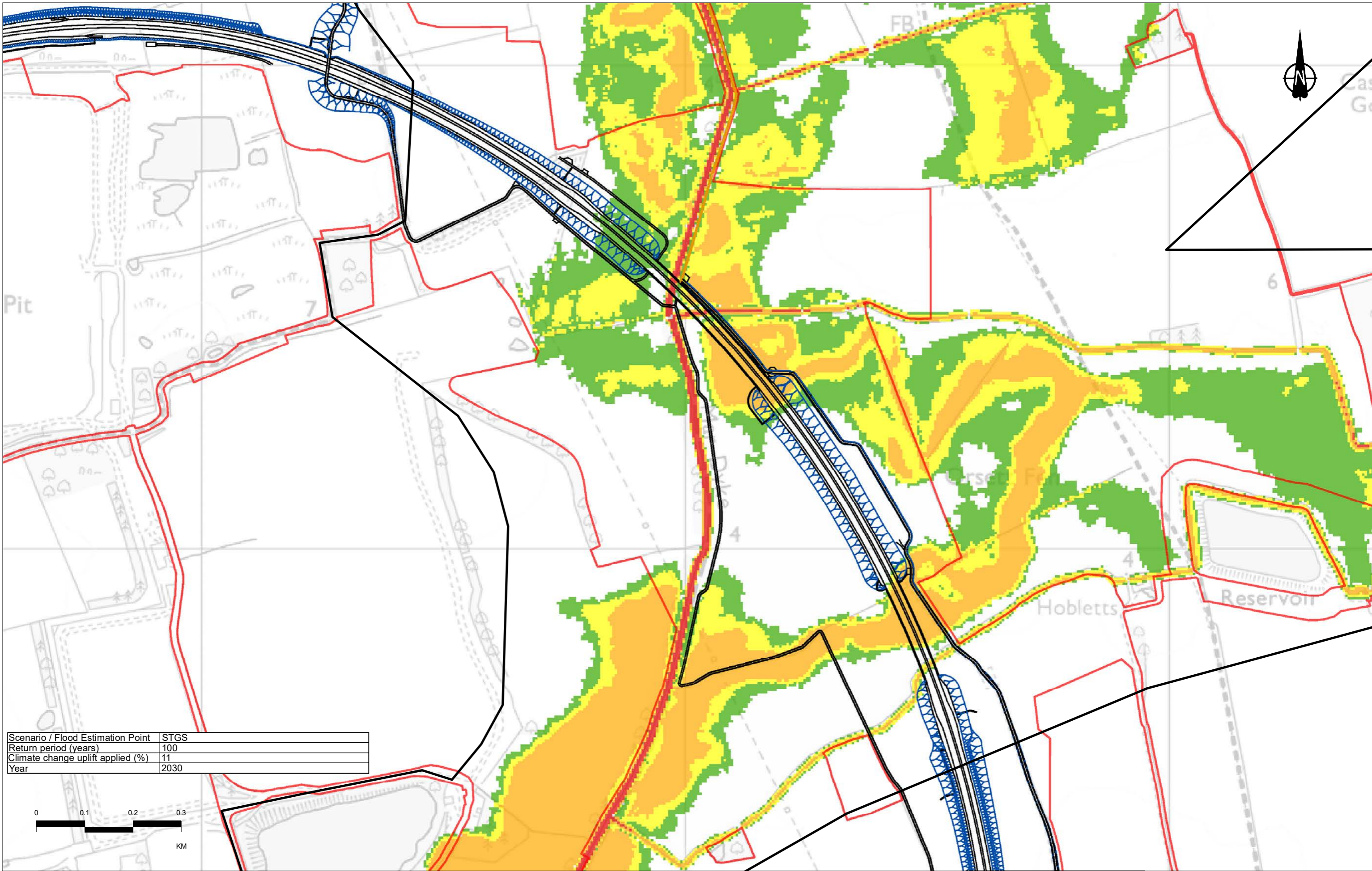
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			Very low hazard
			Danger for some
			Danger for most
			Danger for all



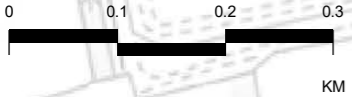
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Pre-development</b> <b>Sheet 32 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00445				



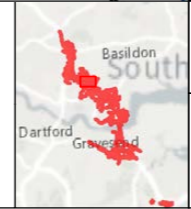
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

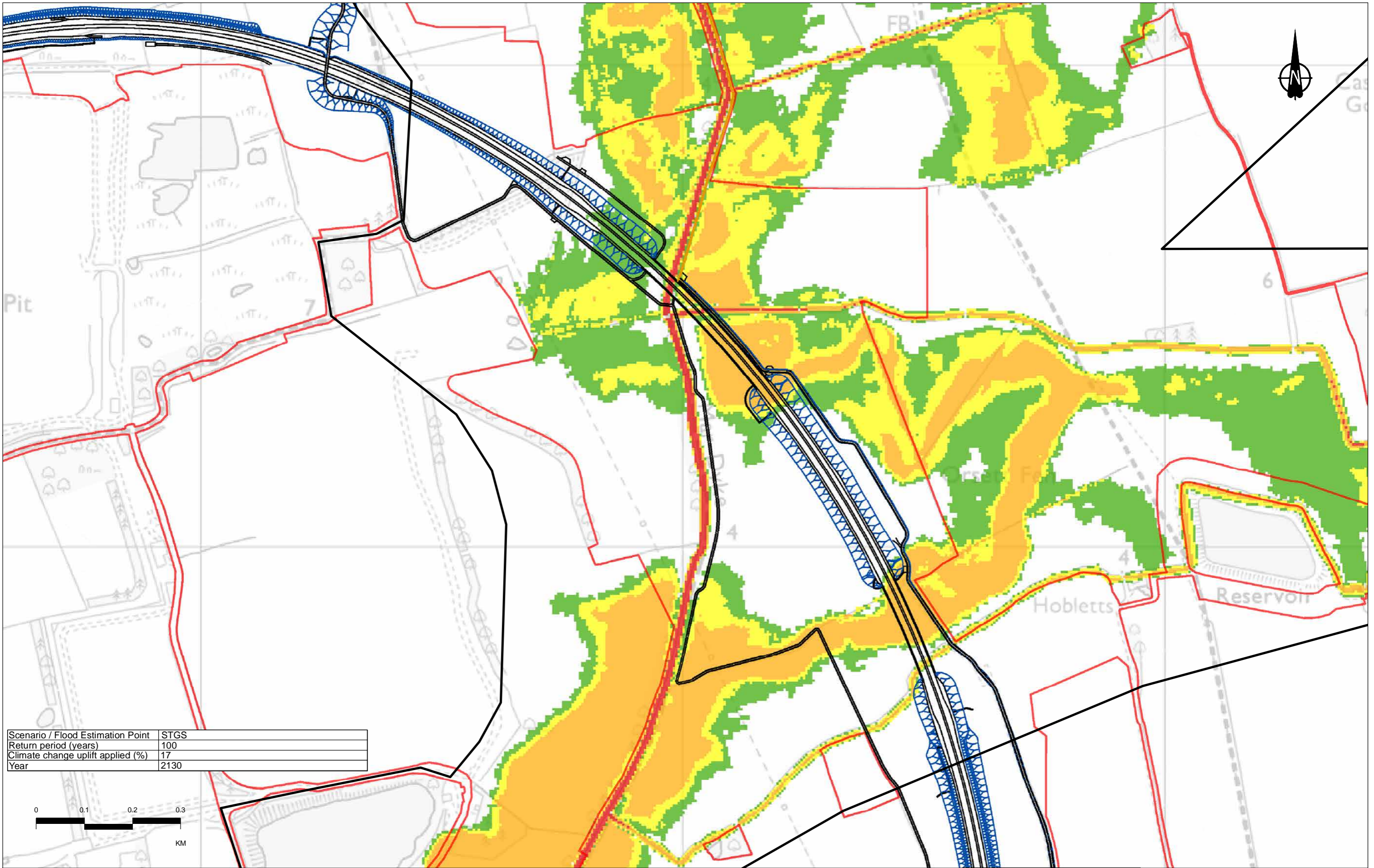
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



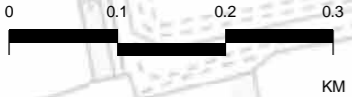
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Pre-development</b> <b>Sheet 33 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00446				



Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130

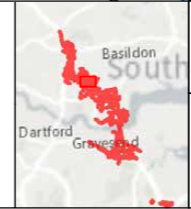


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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

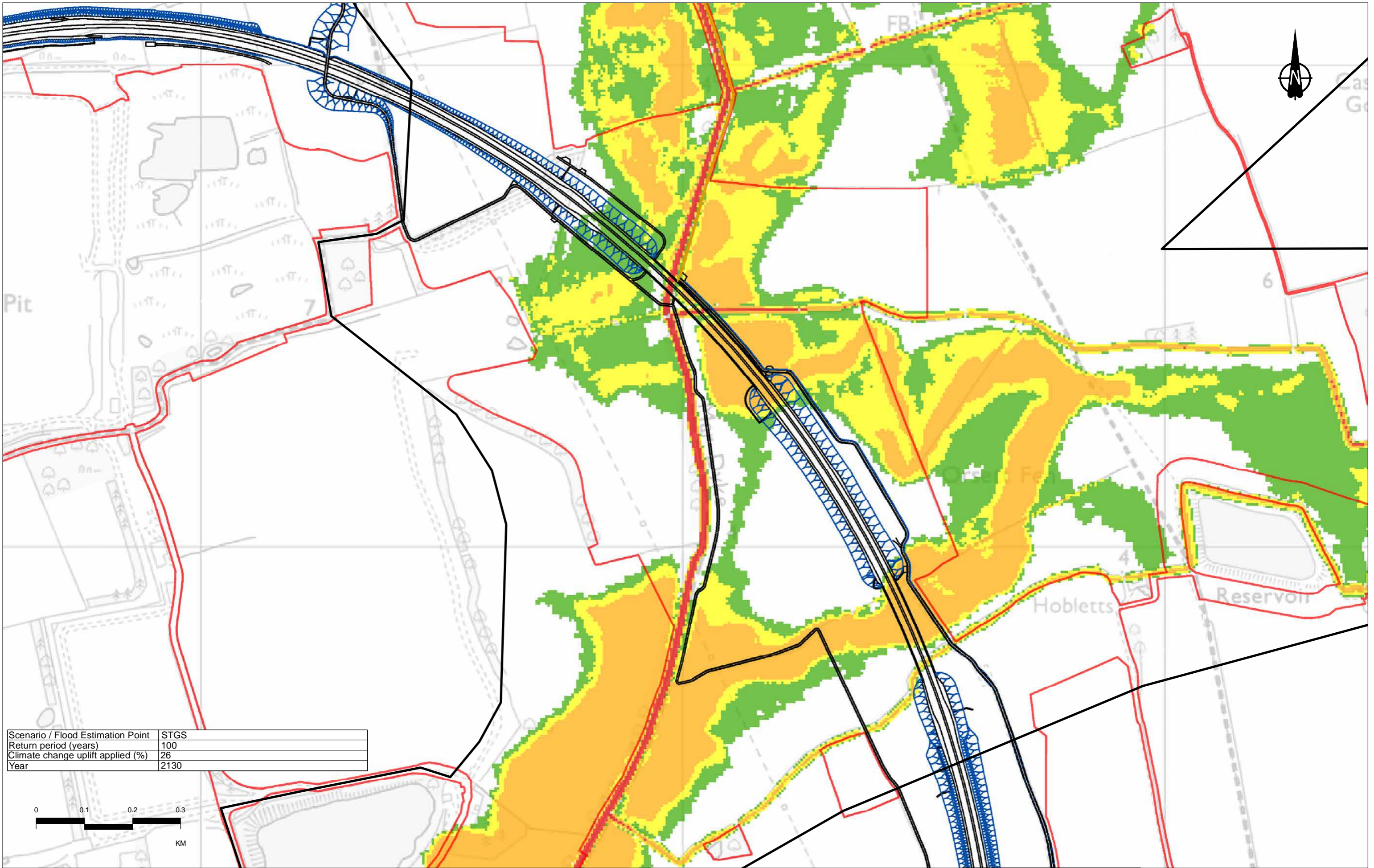
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



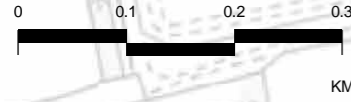
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Pre-development Sheet 34 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00447				



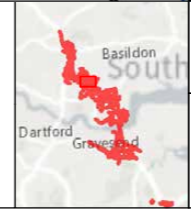
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130



P01		SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd	

**Legend**

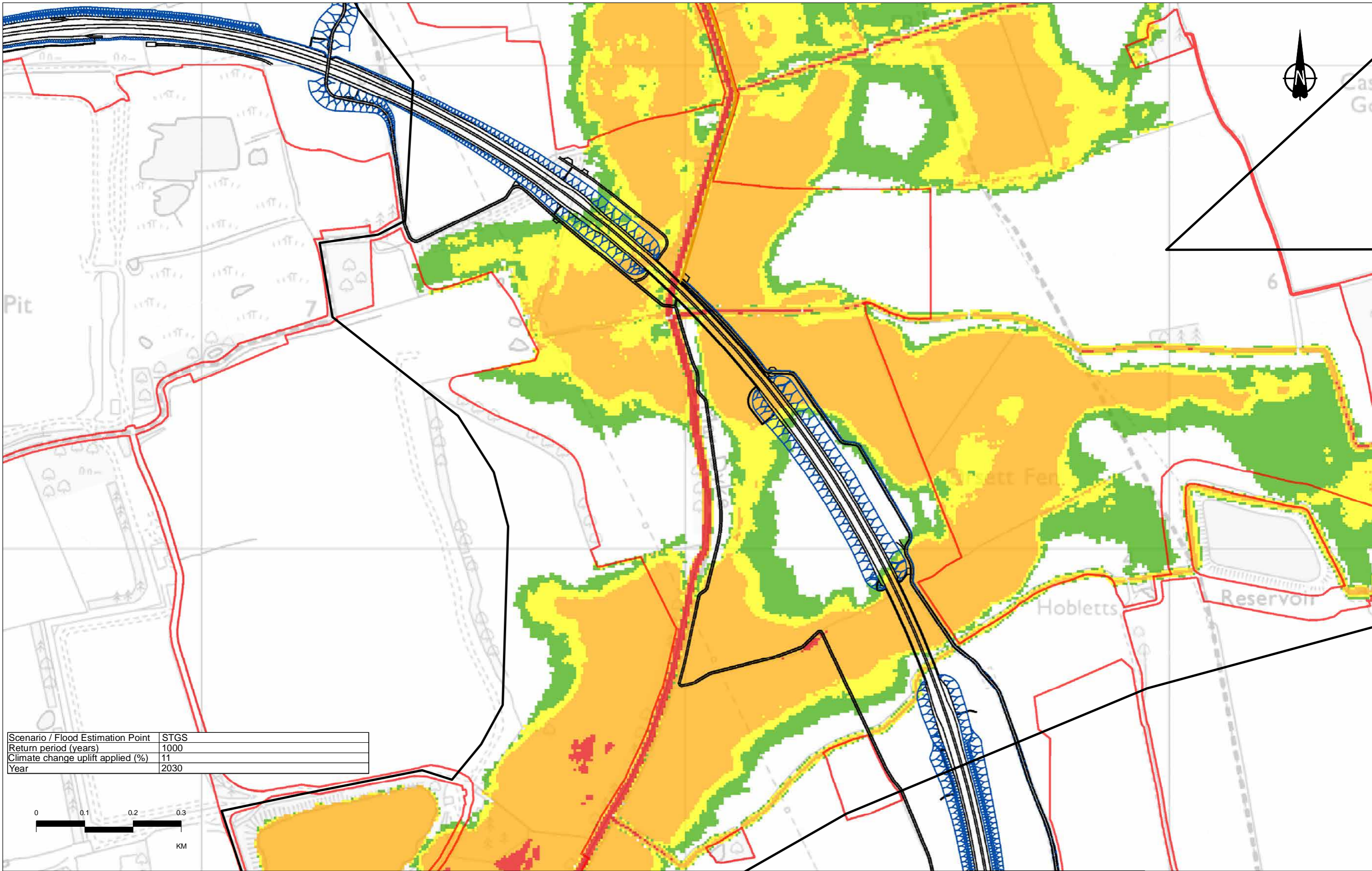
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



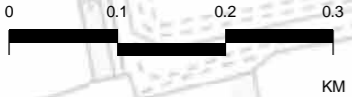
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Pre-development Sheet 35 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00448				



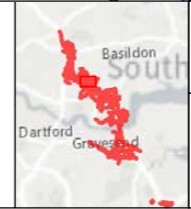
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all

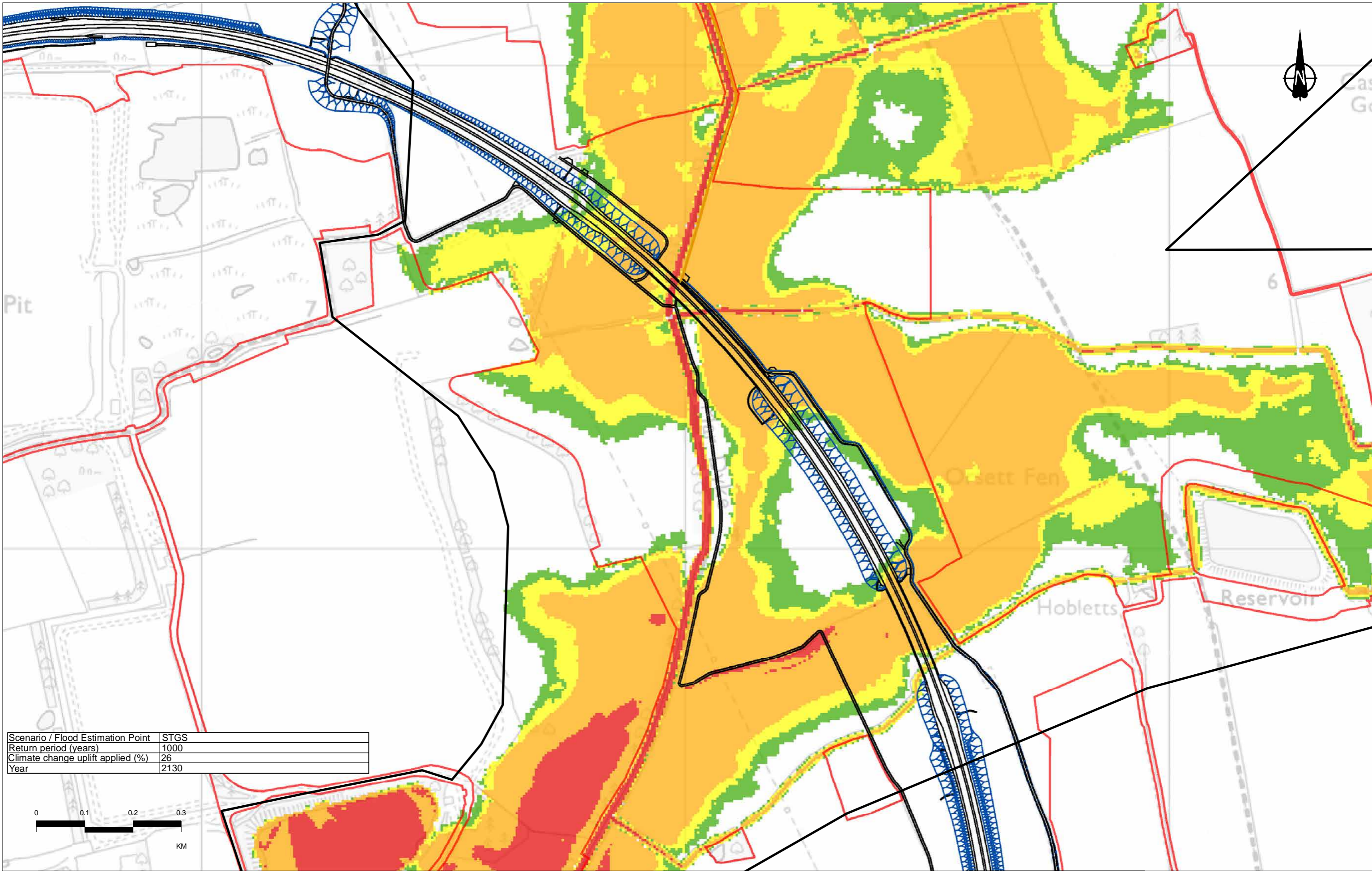


Client: **national highways**

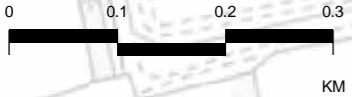
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Pre-development Sheet 36 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00449				





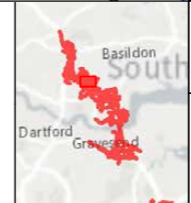
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

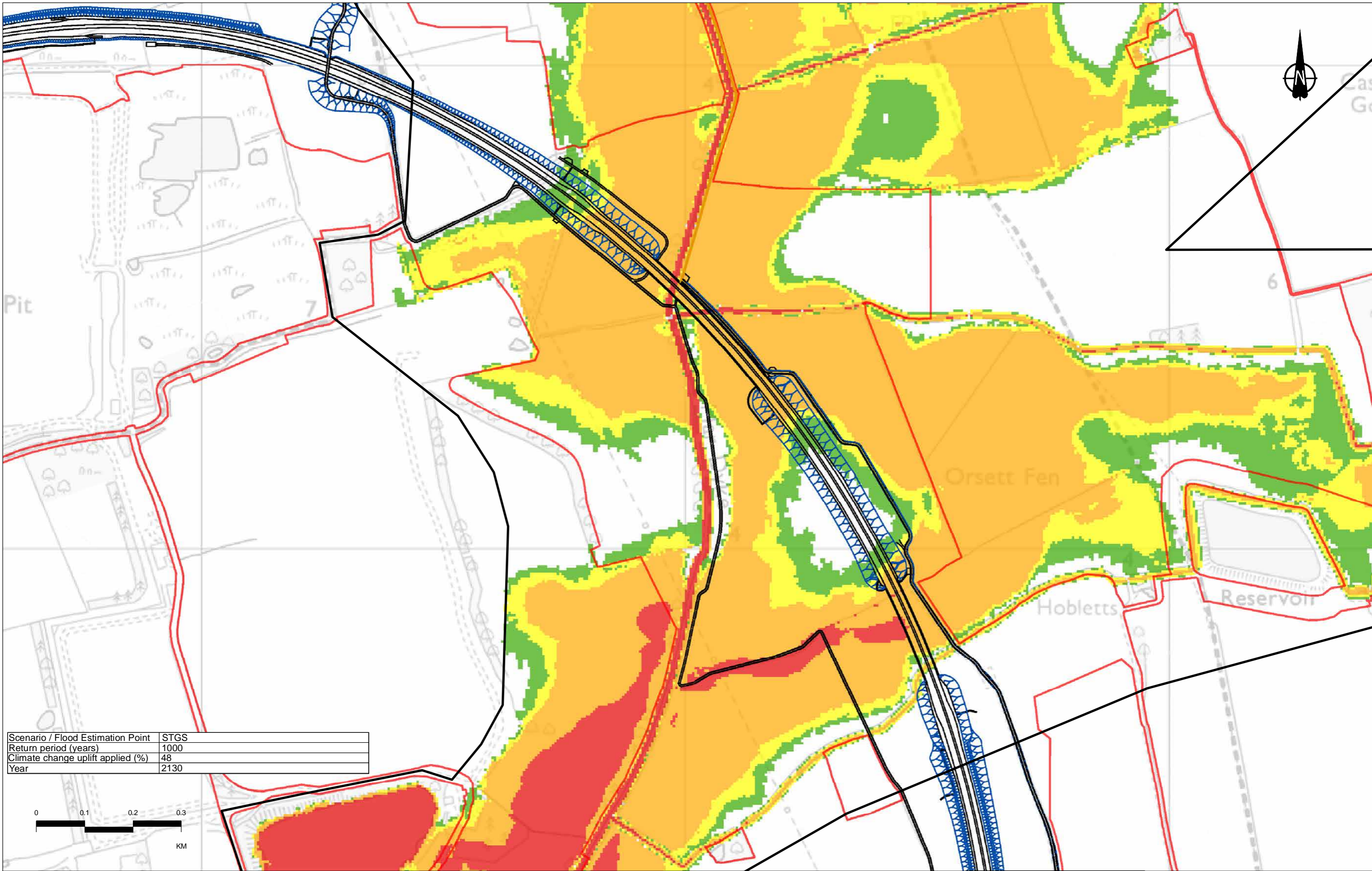
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



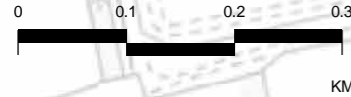
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Pre-development</b> <b>Sheet 37 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00450				



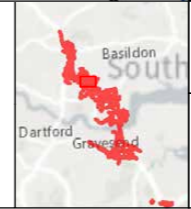
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	48
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

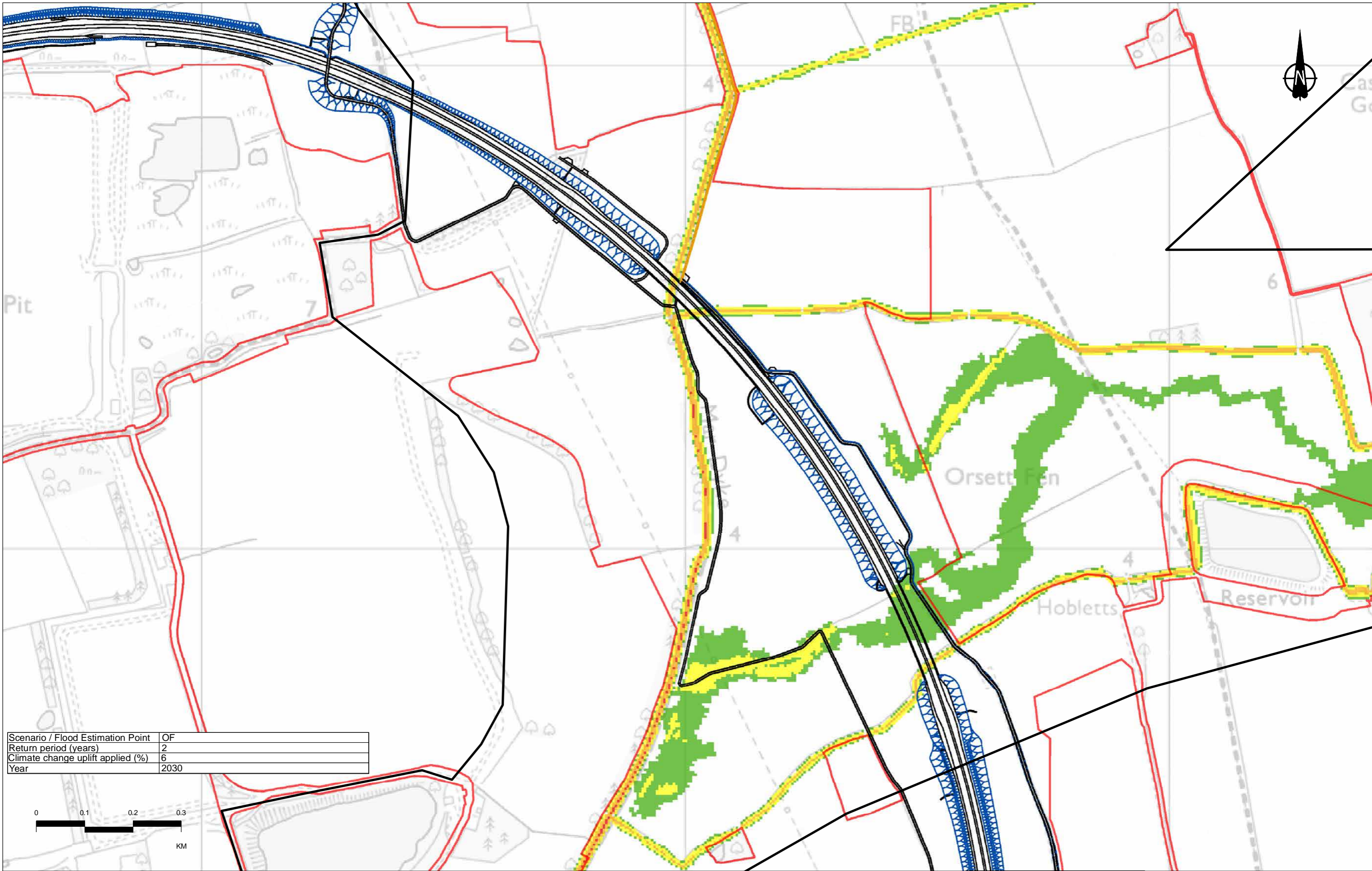
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



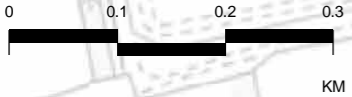
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Pre-development Sheet 38 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00451				

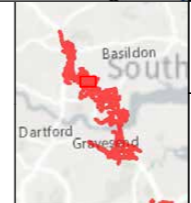


Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

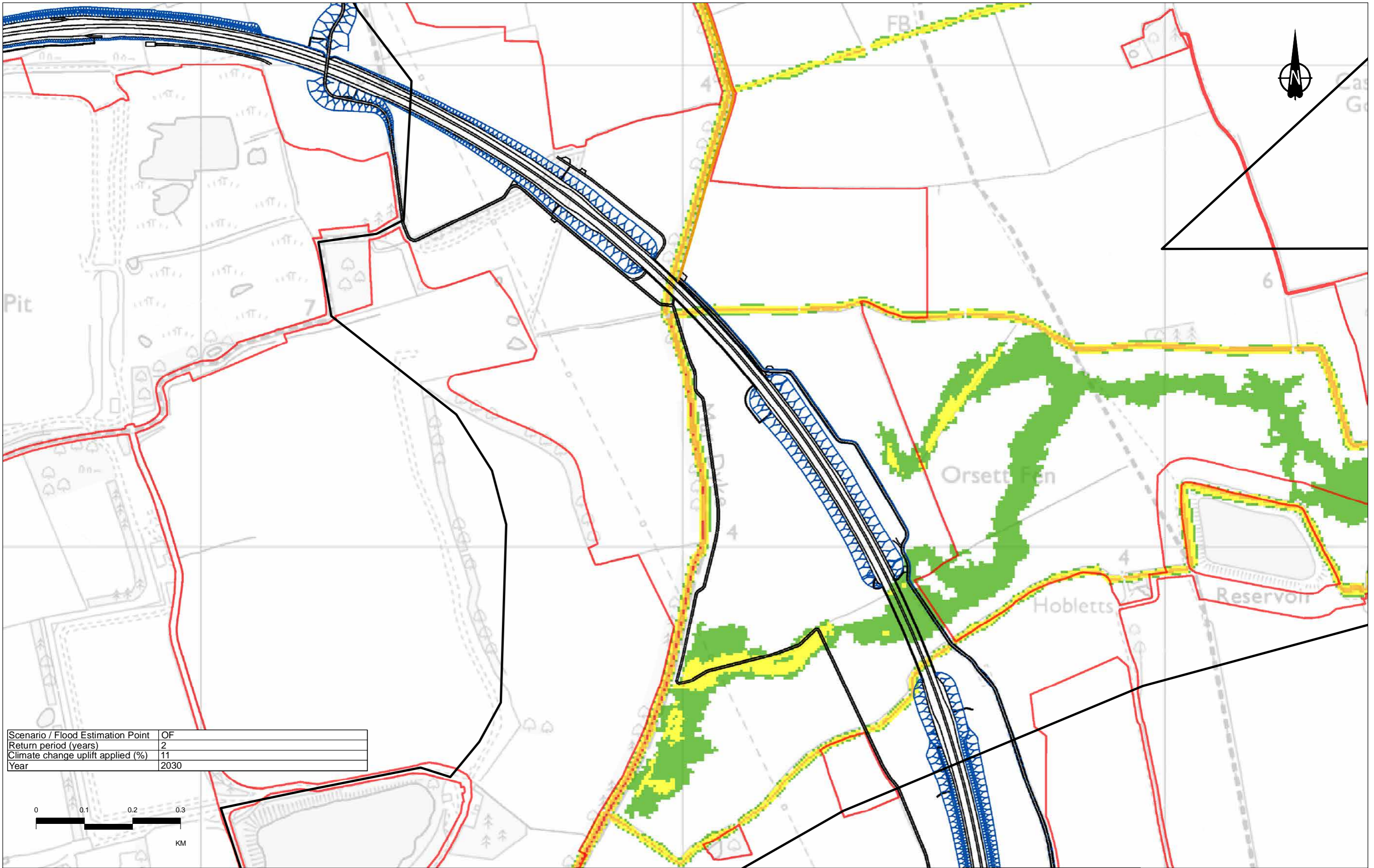
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			Very low hazard
			Danger for some
			Danger for most
			Danger for all



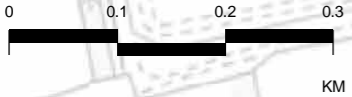
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 1 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00452				

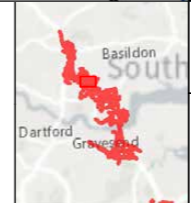


Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	11
Year	2030



P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

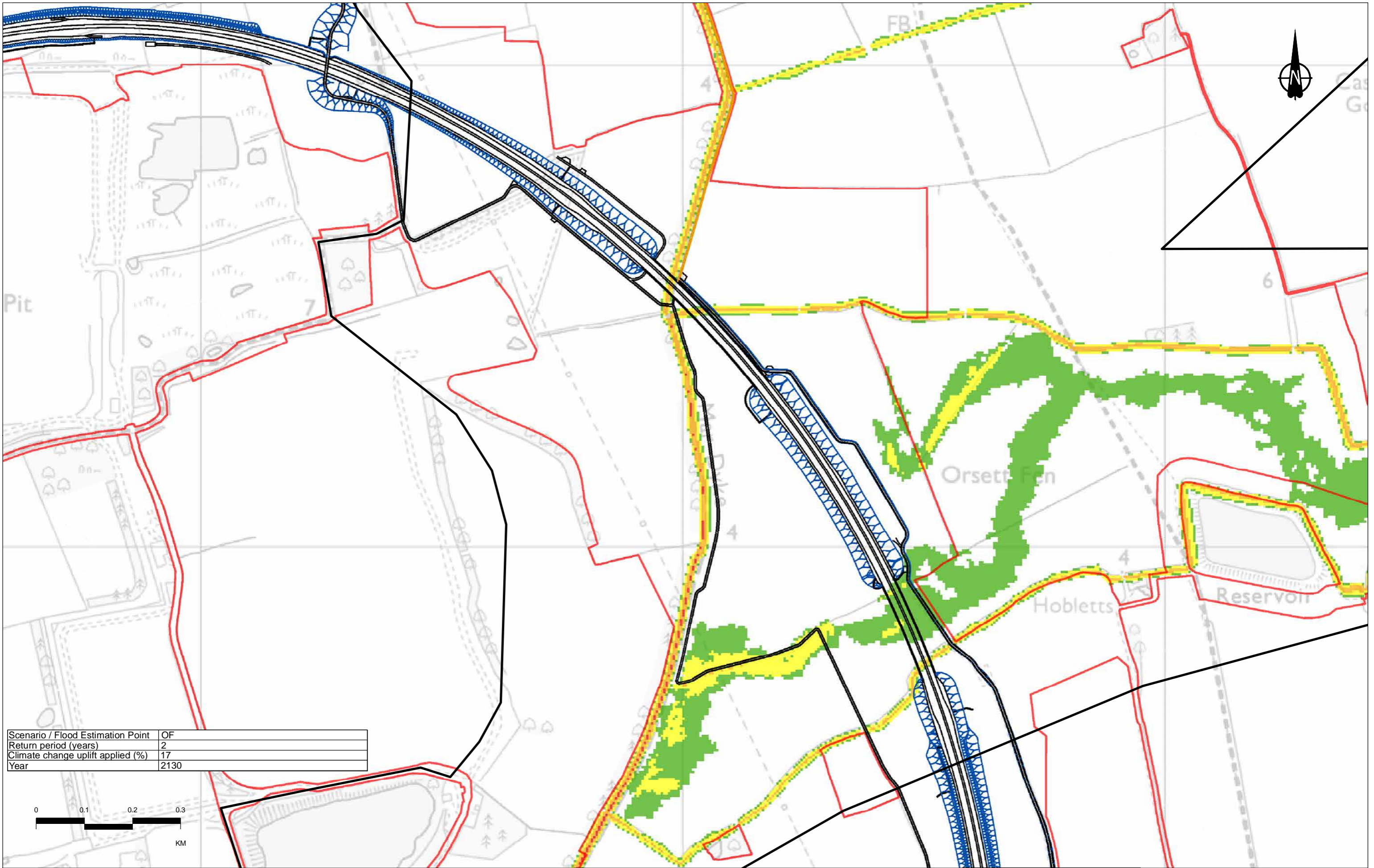
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			Very low hazard
			Danger for some
			Danger for most
			Danger for all



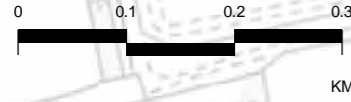
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 2 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00453				



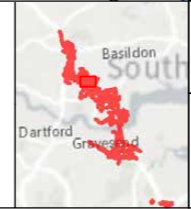
Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

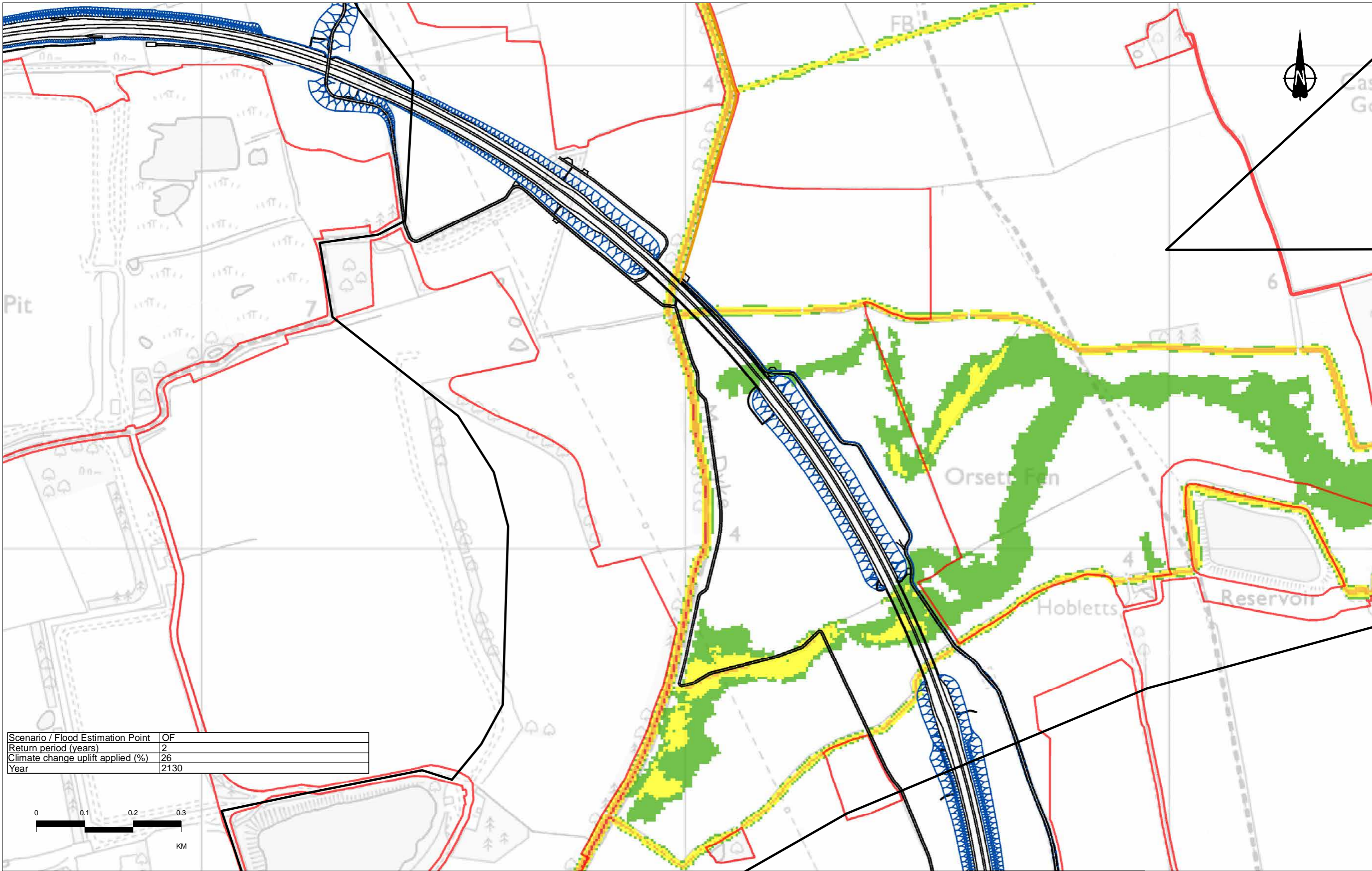
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			Very low hazard
			Danger for some
			Danger for most
			Danger for all



Client: national highways

Project: LOWER THAMES CROSSING

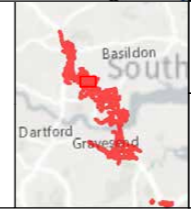
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 3 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00454				



P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

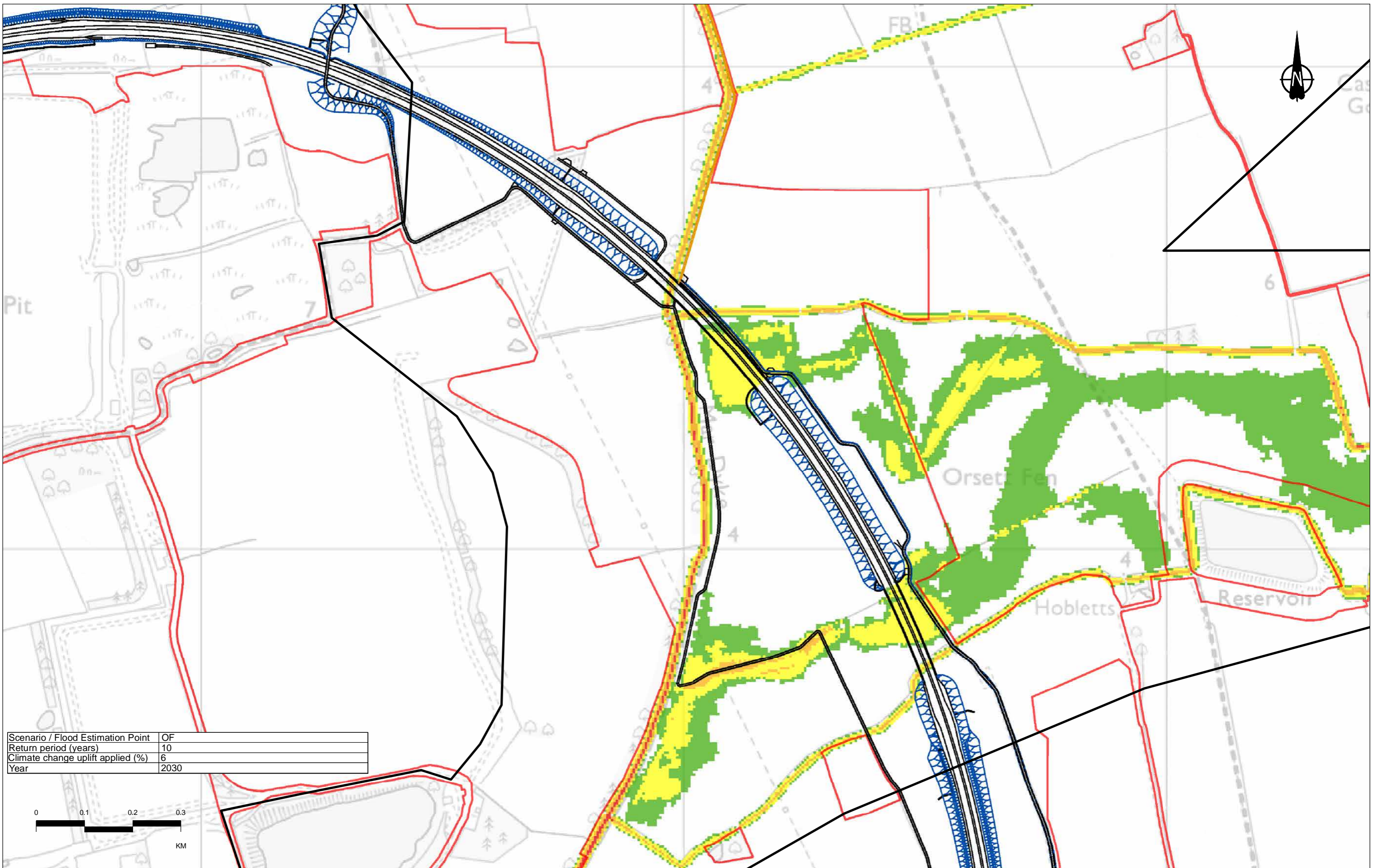
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



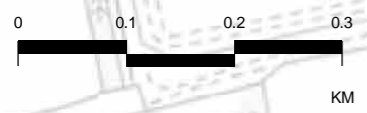
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 4 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00455				



Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	6
Year	2030

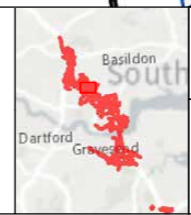


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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

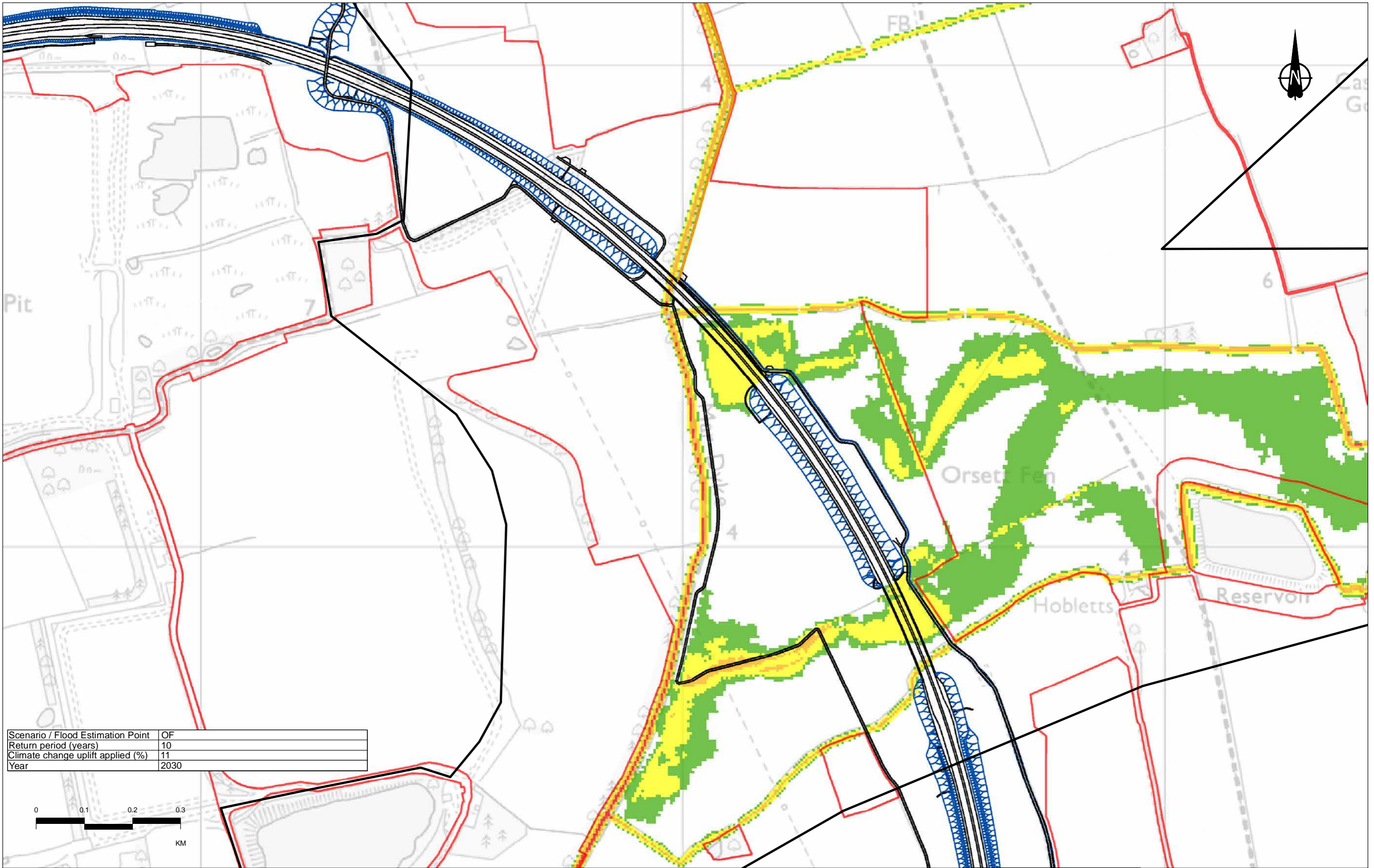
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



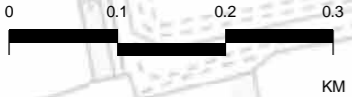
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 5 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00456				



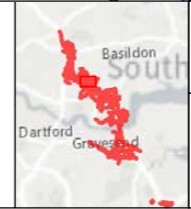
Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all

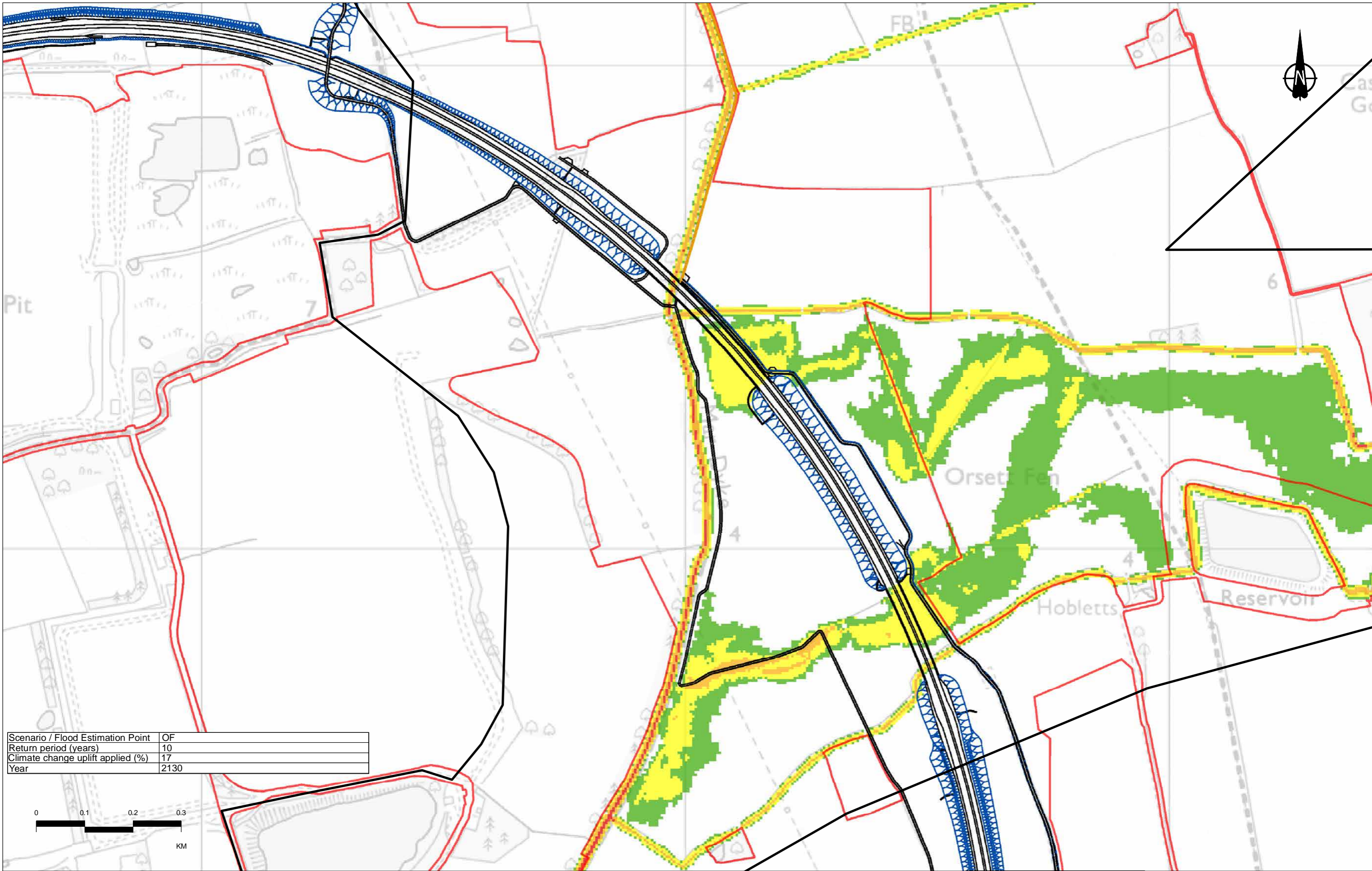


Client: **national highways**

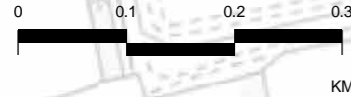
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 6 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00457				





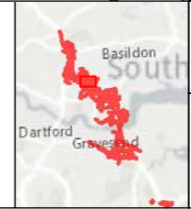
Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

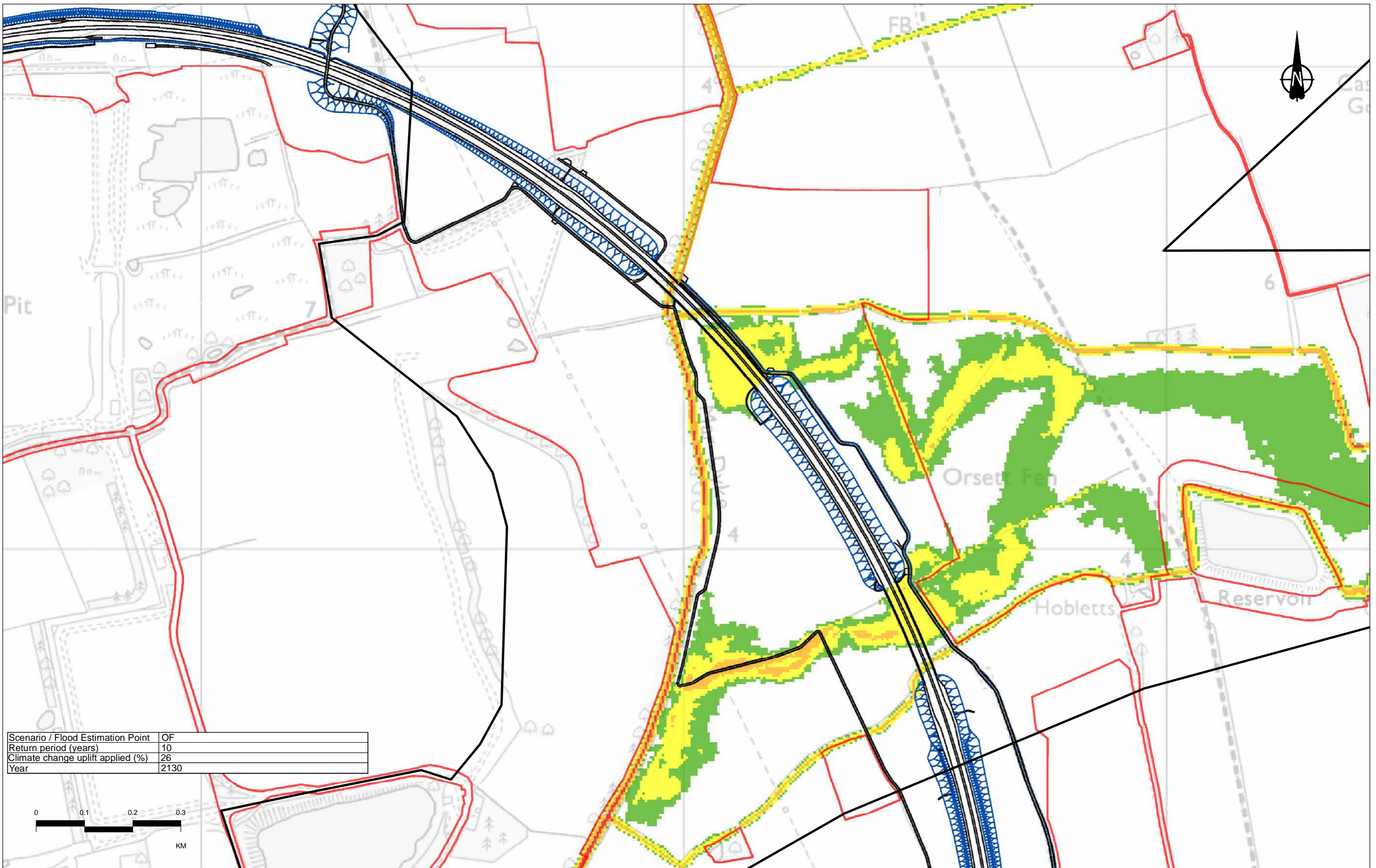
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



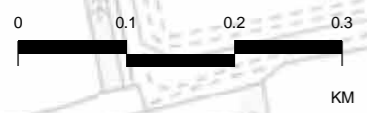
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 7 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00458				



Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	26
Year	2130

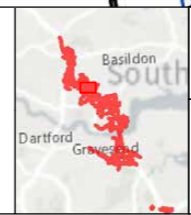


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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

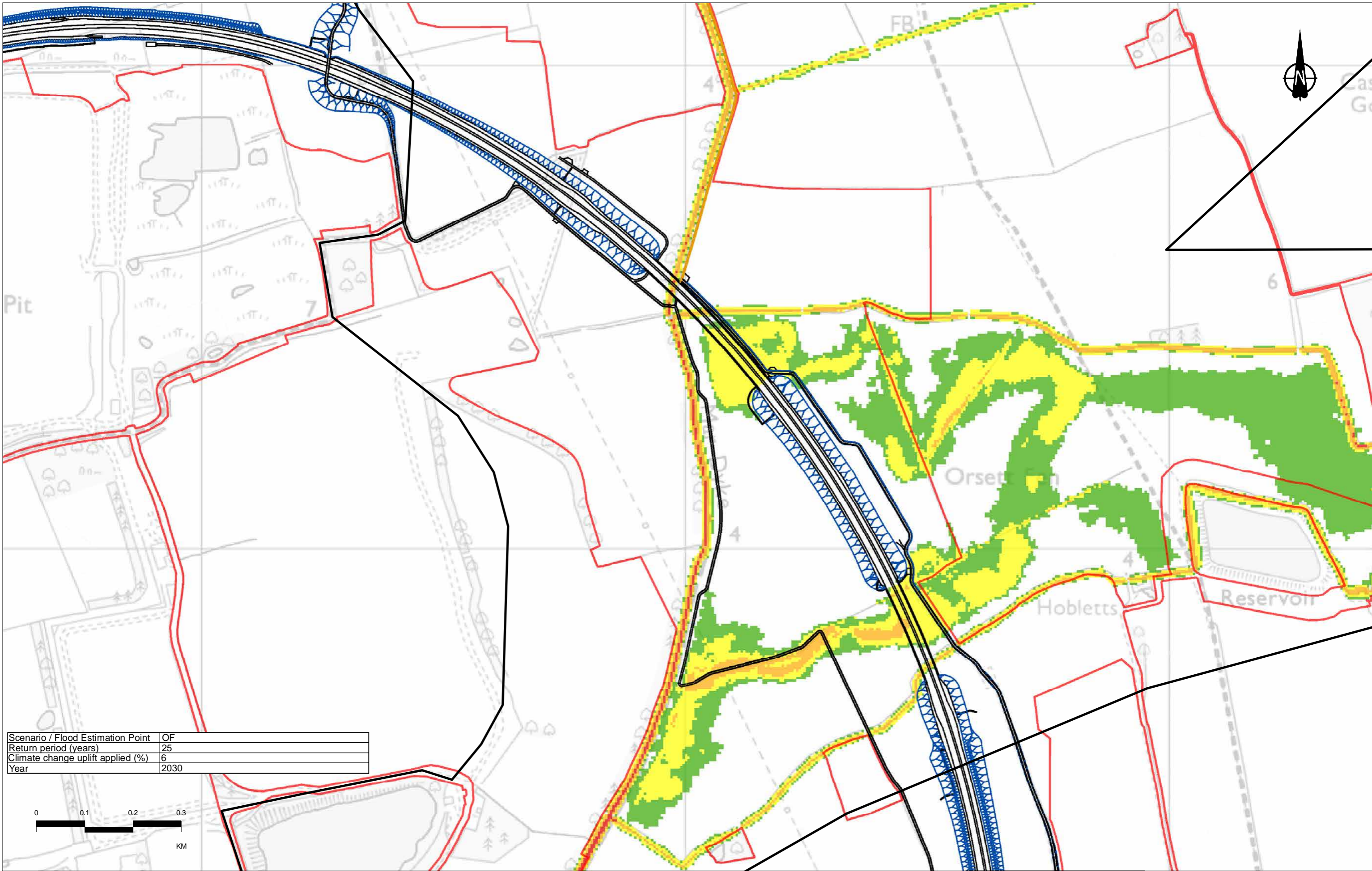
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



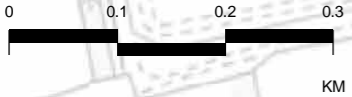
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 8 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00459				



Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	6
Year	2030

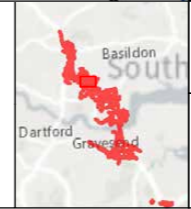


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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

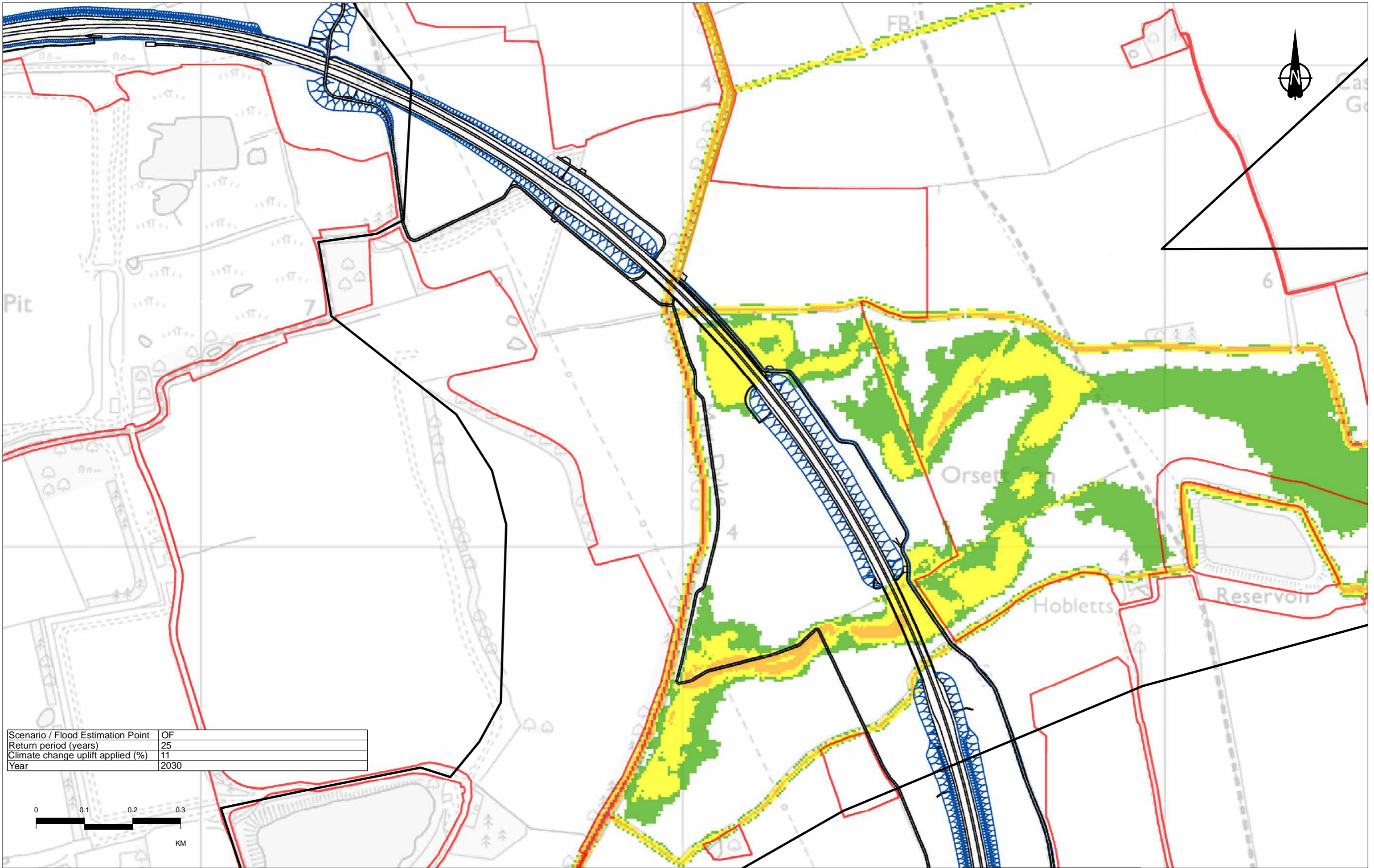
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



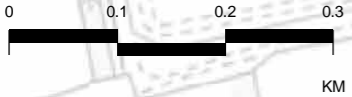
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 9 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00460				



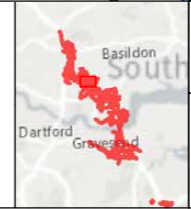
Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

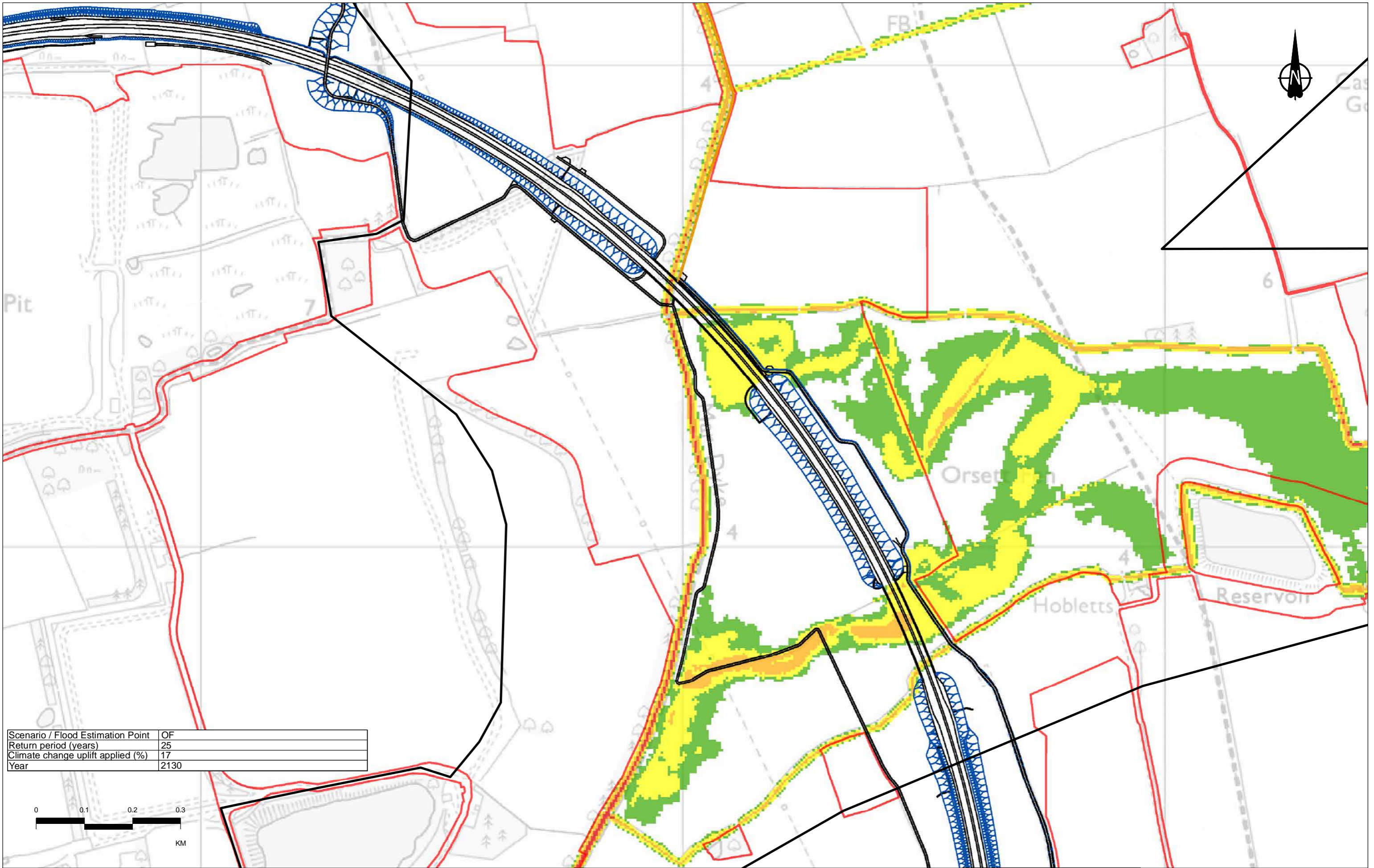
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



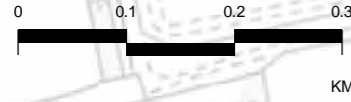
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 10 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00461				



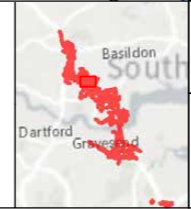
Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

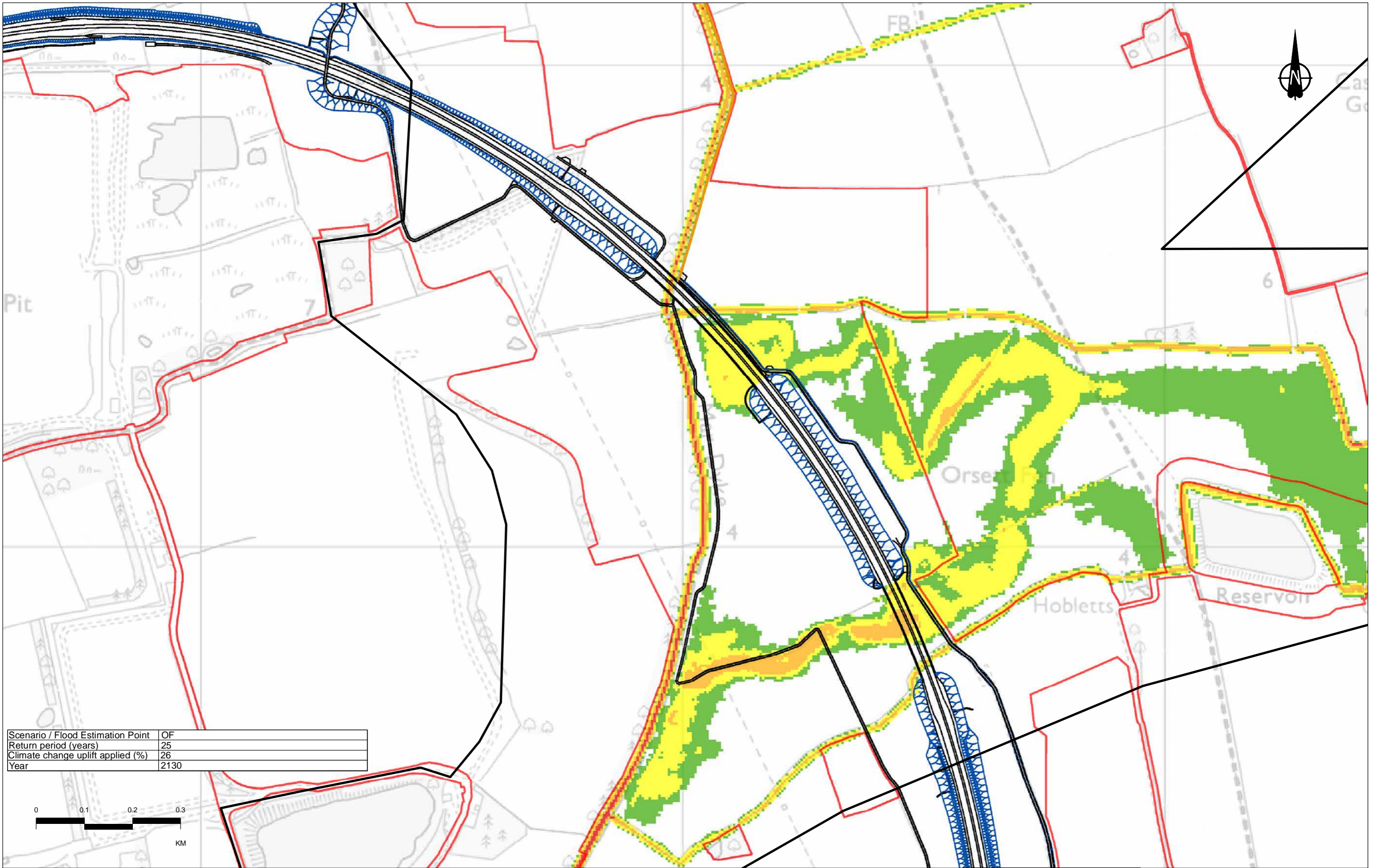
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



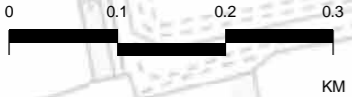
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 11 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00462				



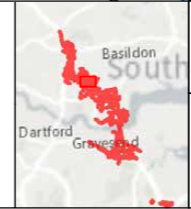
Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

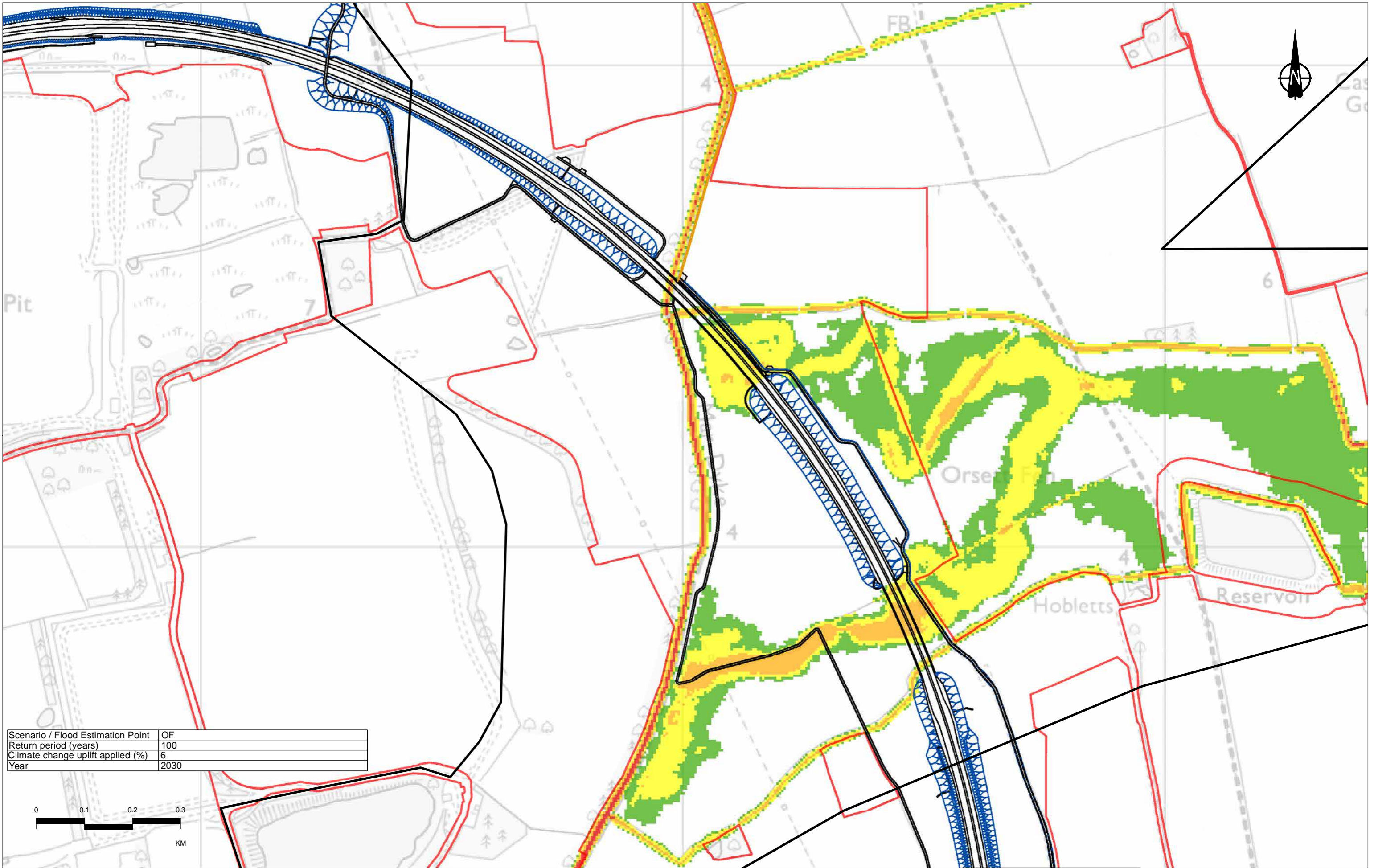
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 12 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00463				



COSSM	OS	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all

Client:

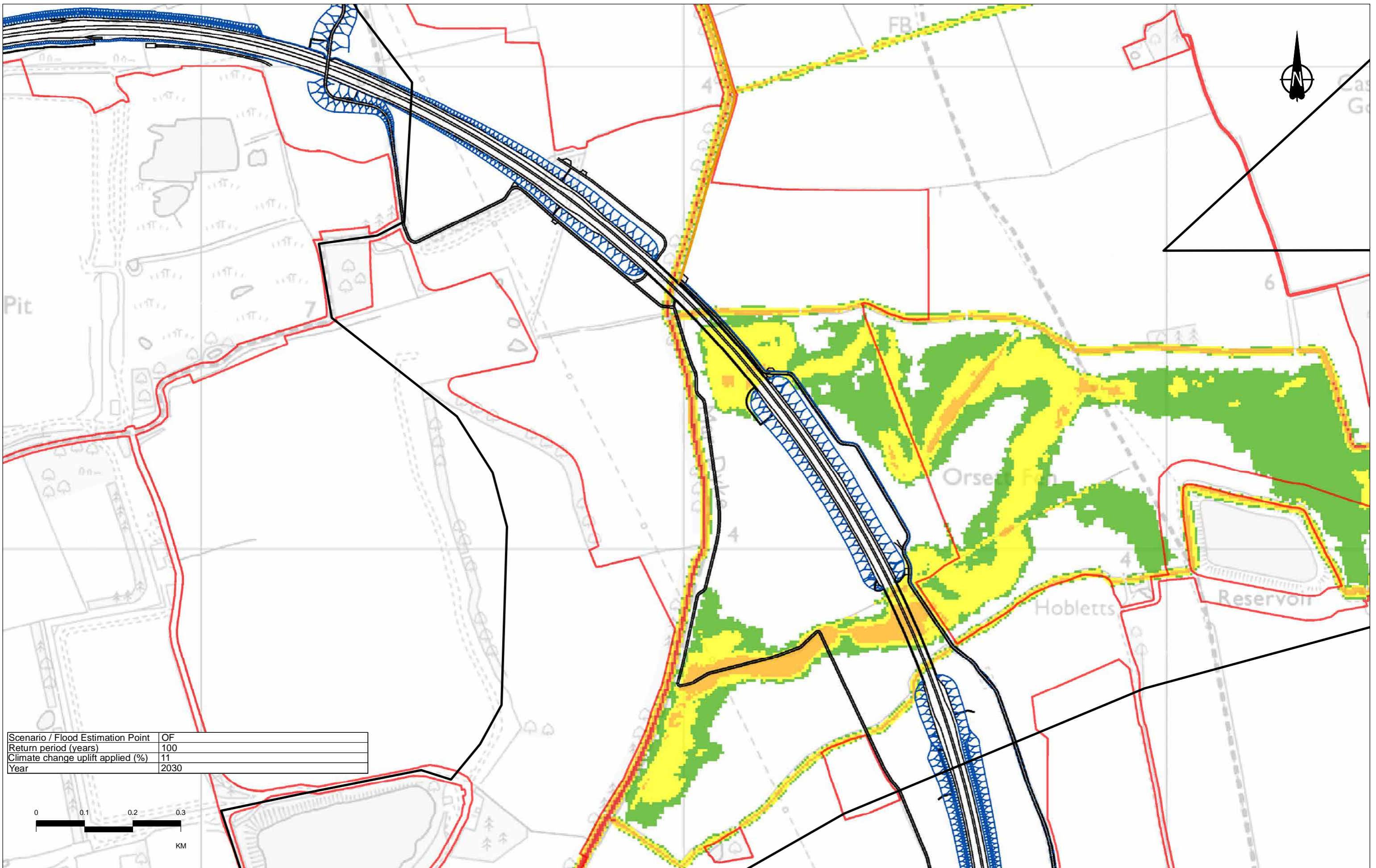
Project: **LOWER THAMES CROSSING**

Location map showing the project area in the south of England, near Basildon, Dartford, and Gravesend.

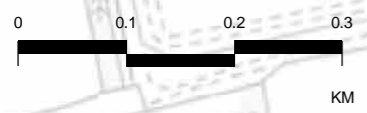
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 13 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00464				

Client:

Project: **LOWER THAMES CROSSING**



Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	11
Year	2030

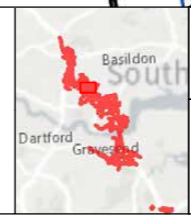


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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all

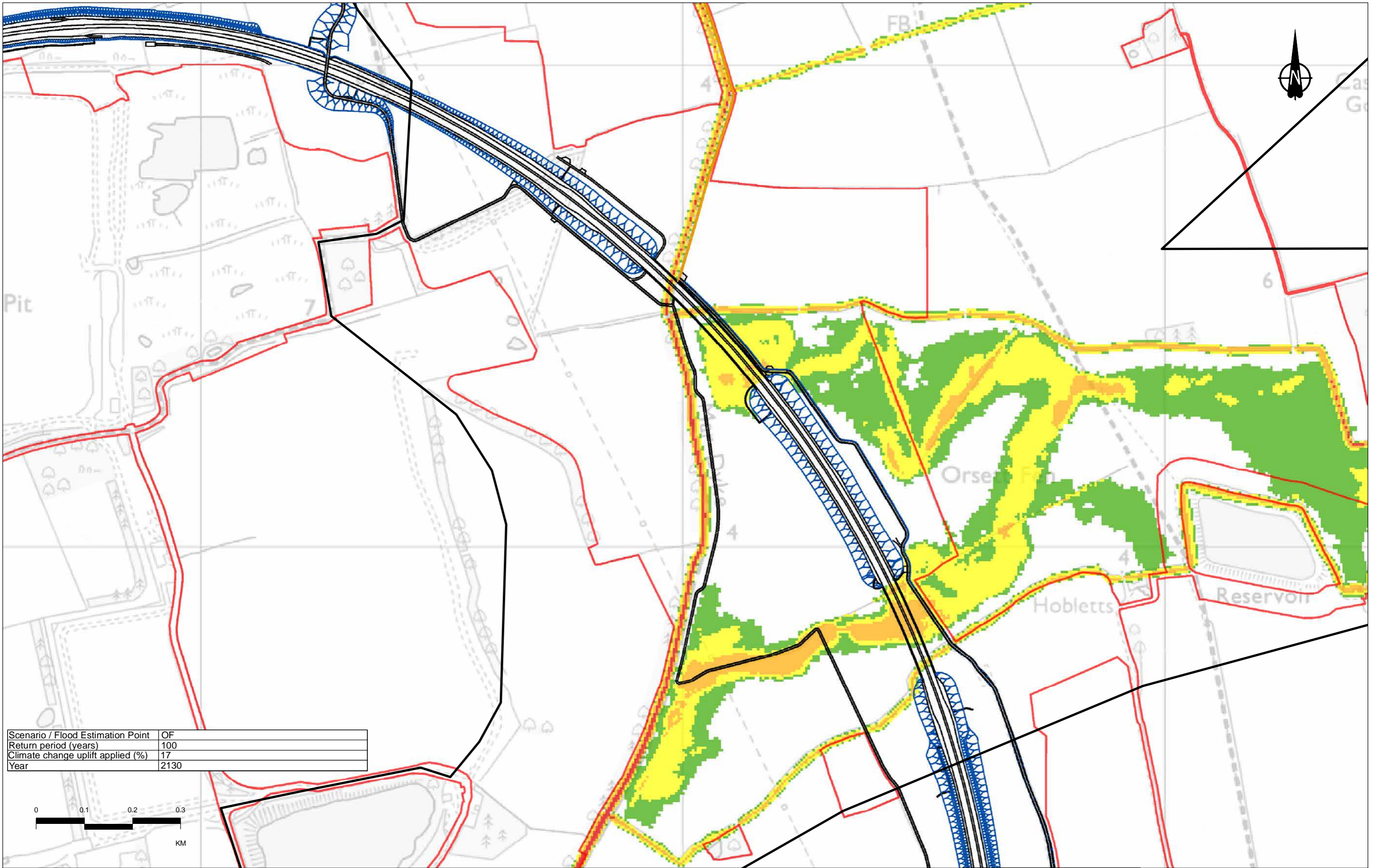


Client: **national highways**

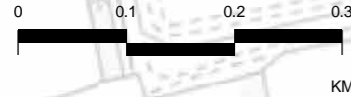
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 14 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00465				





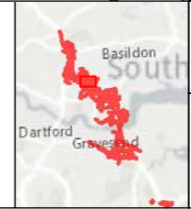
Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

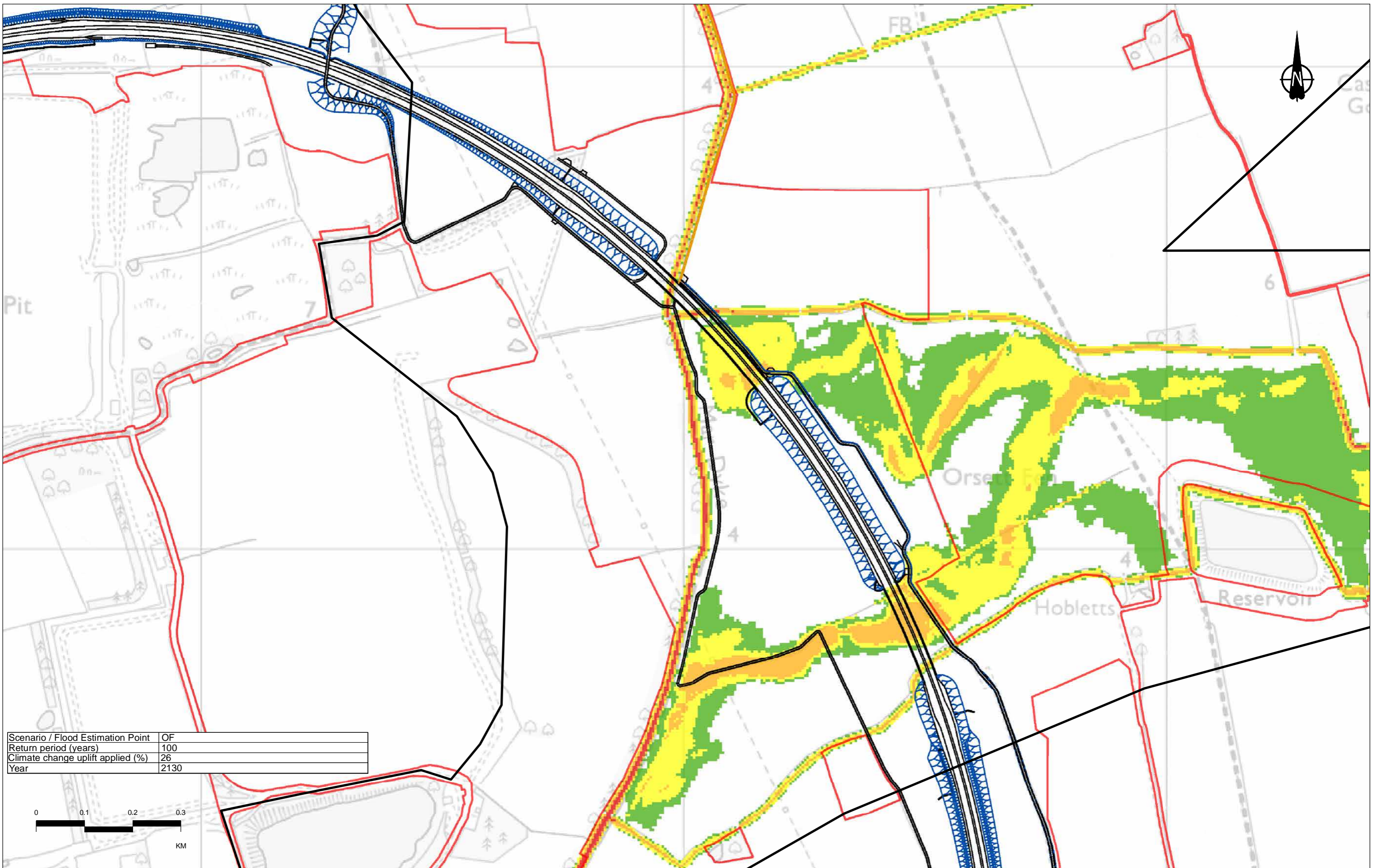
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



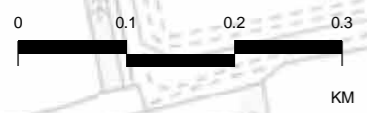
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 15 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00466				



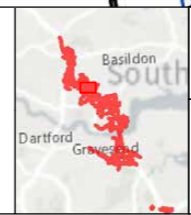
Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

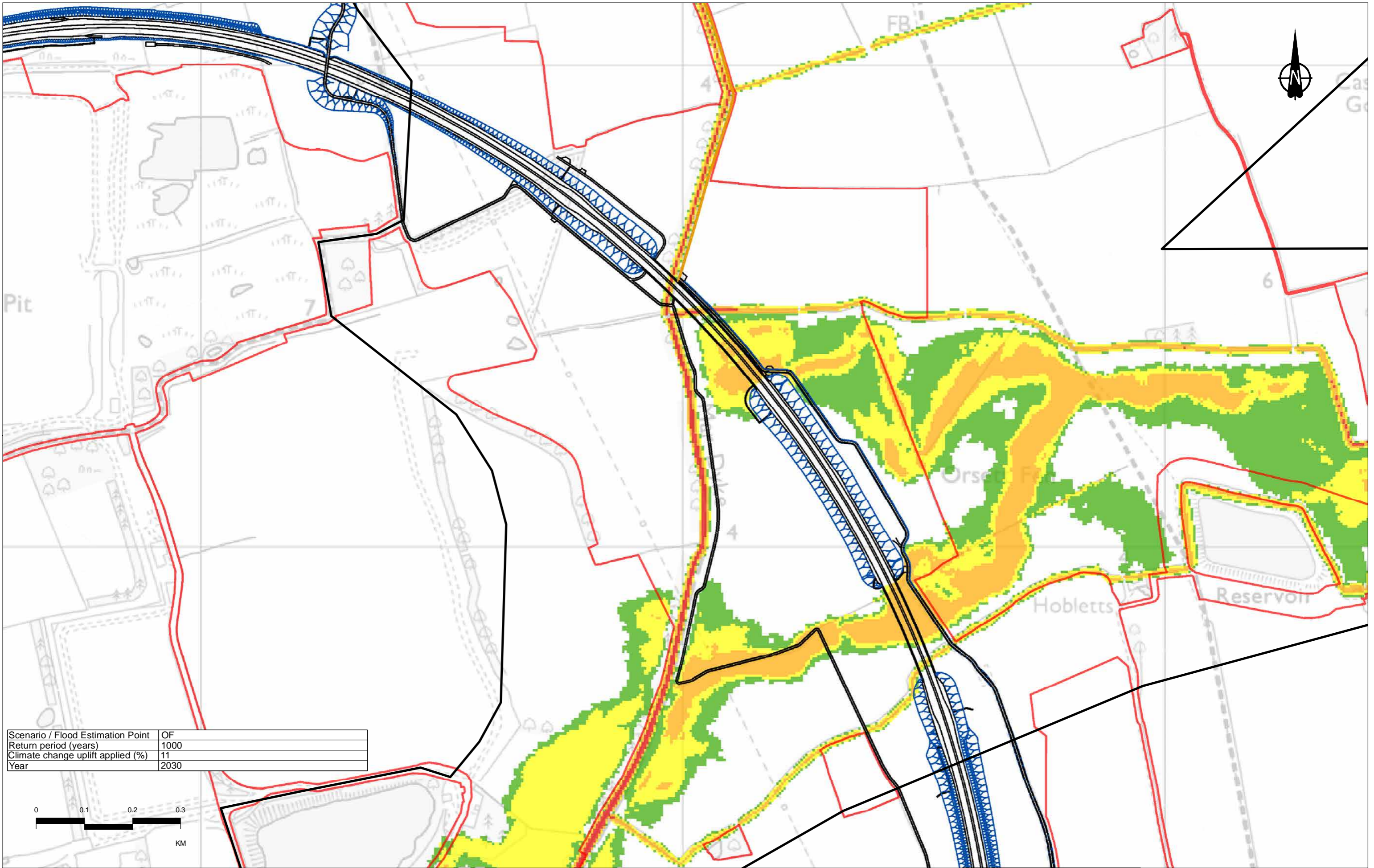
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



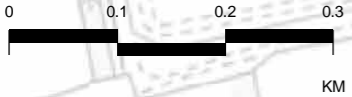
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 16 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00467				



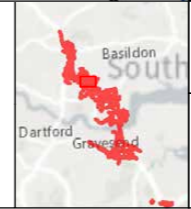
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

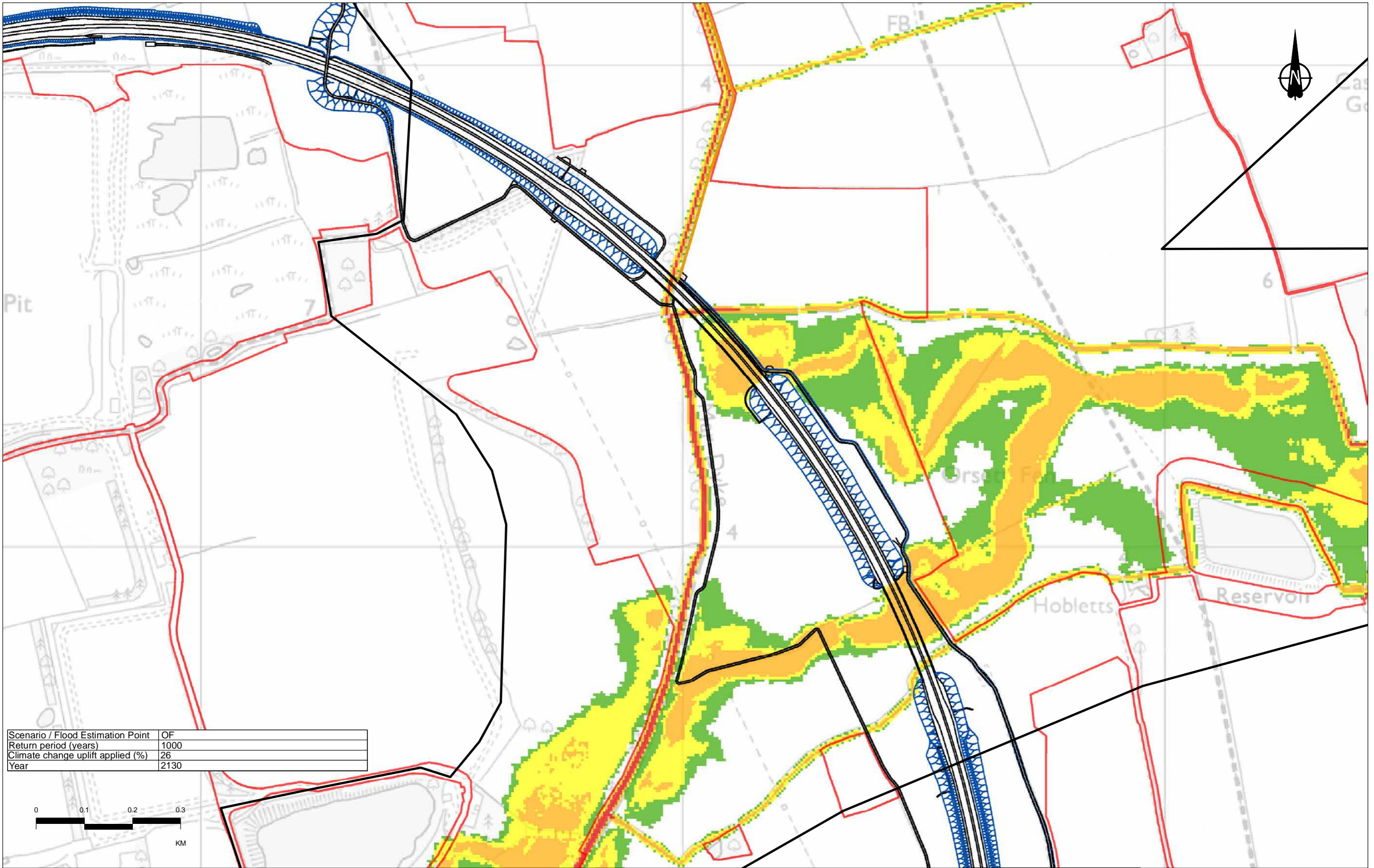
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



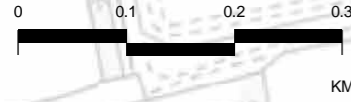
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 17 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00468				



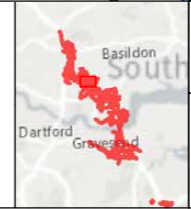
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

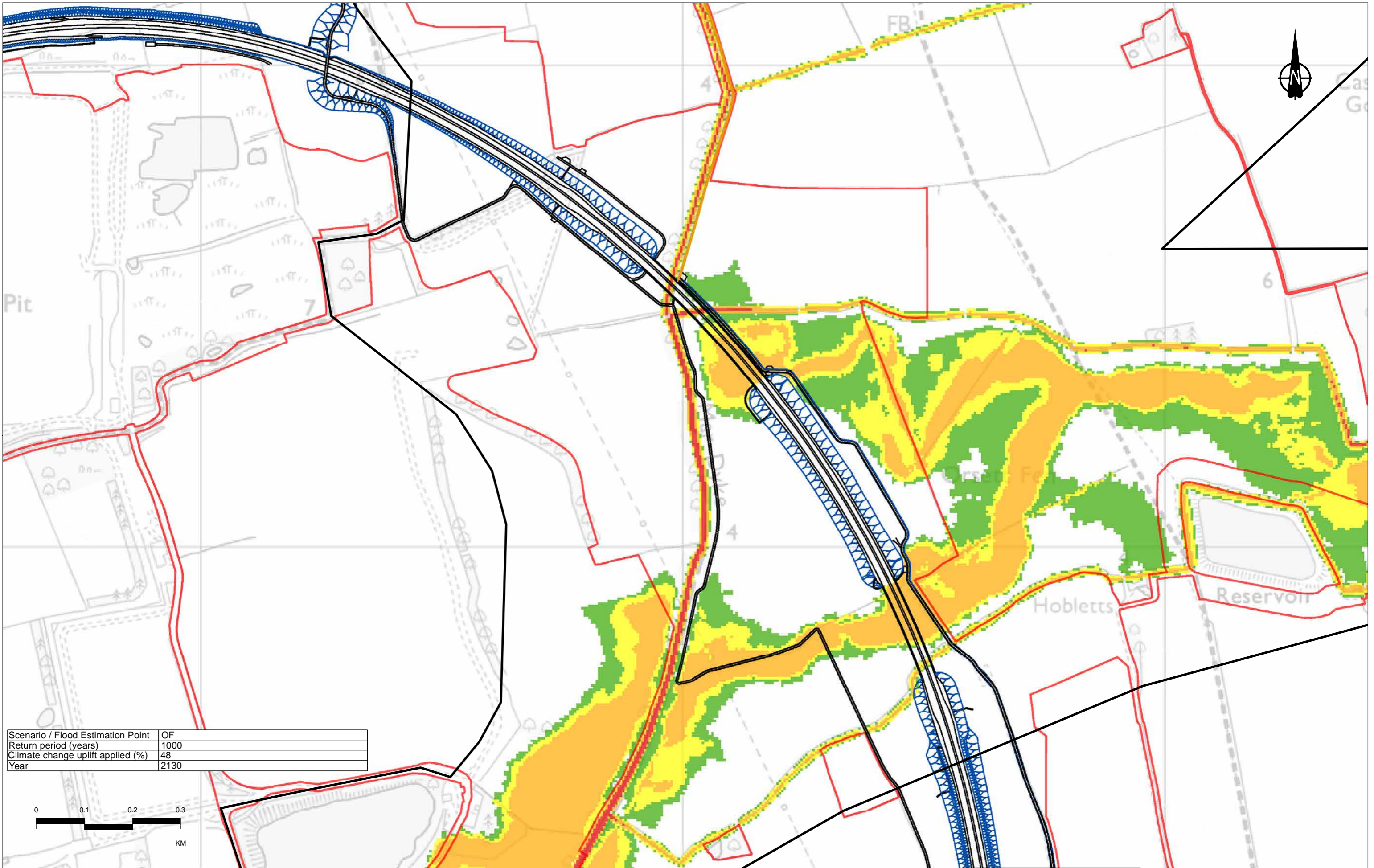
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



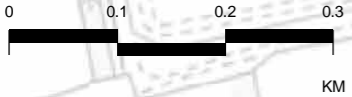
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 18 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00469				



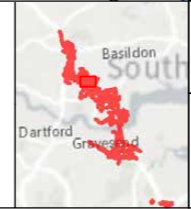
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	48
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

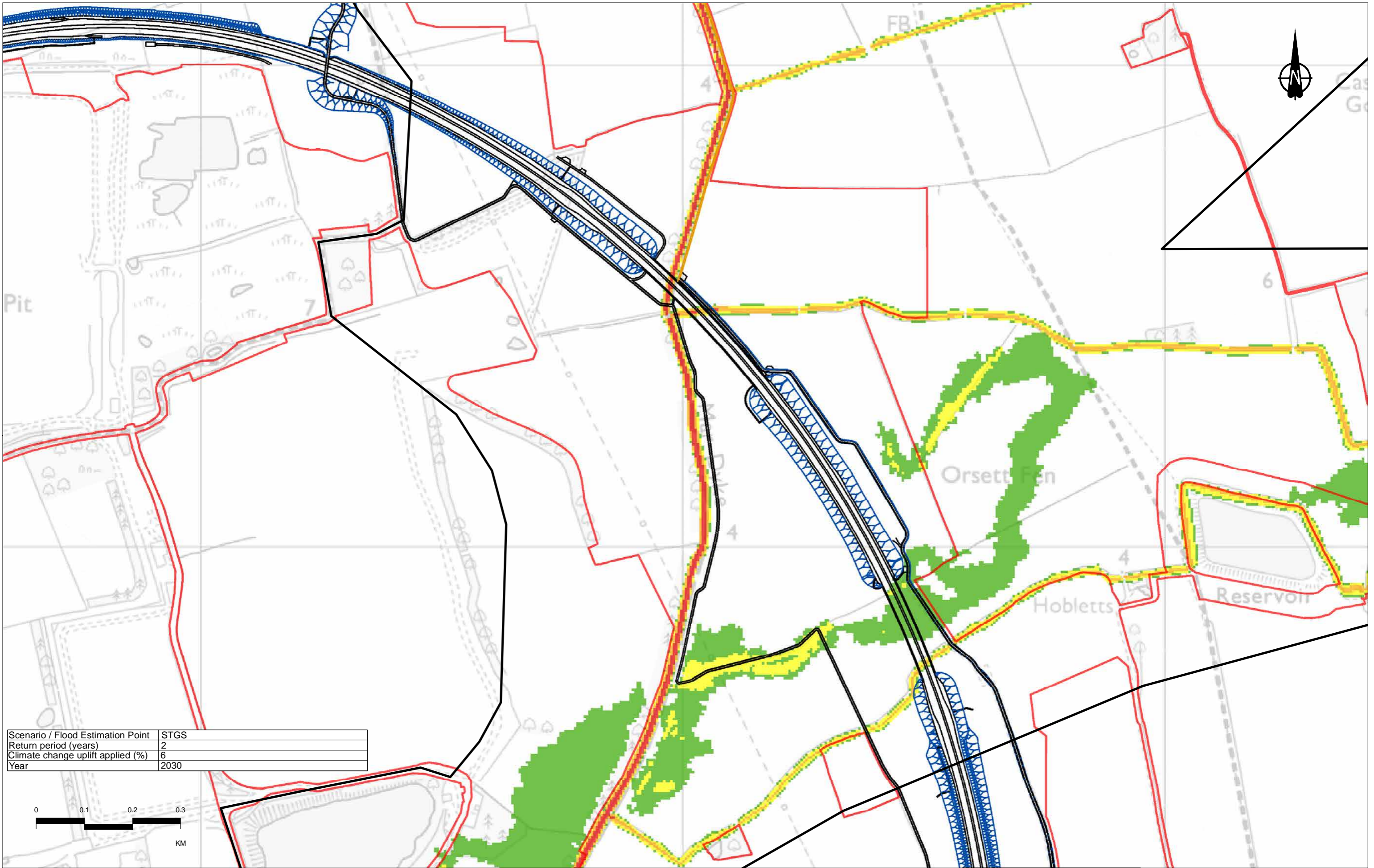
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



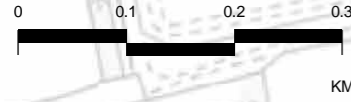
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 19 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00470				

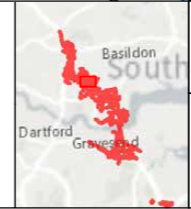


Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

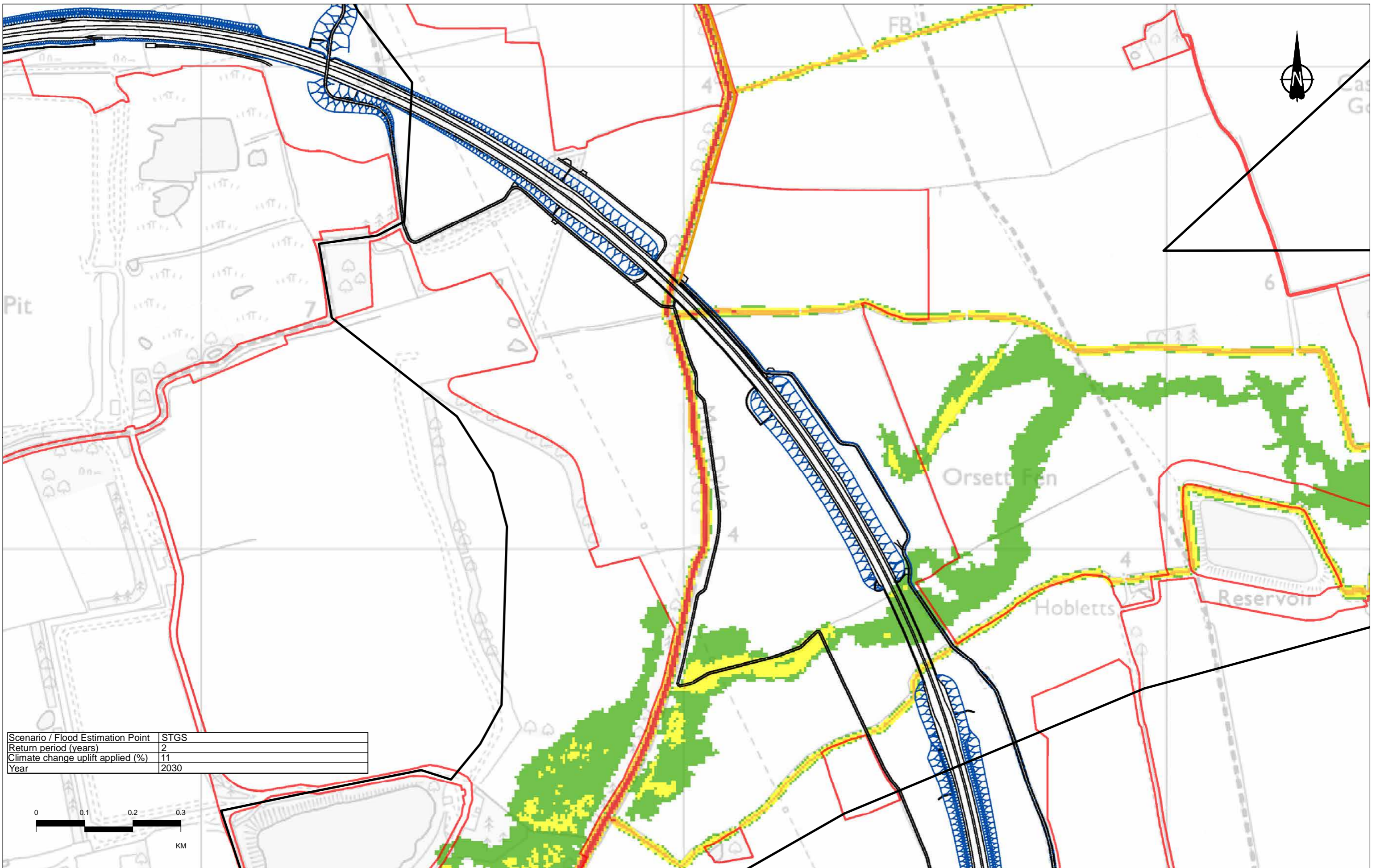
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			Very low hazard
			Danger for some
			Danger for most
			Danger for all



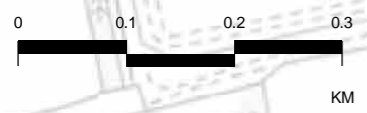
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 20 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00471				



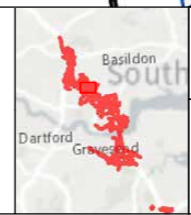
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

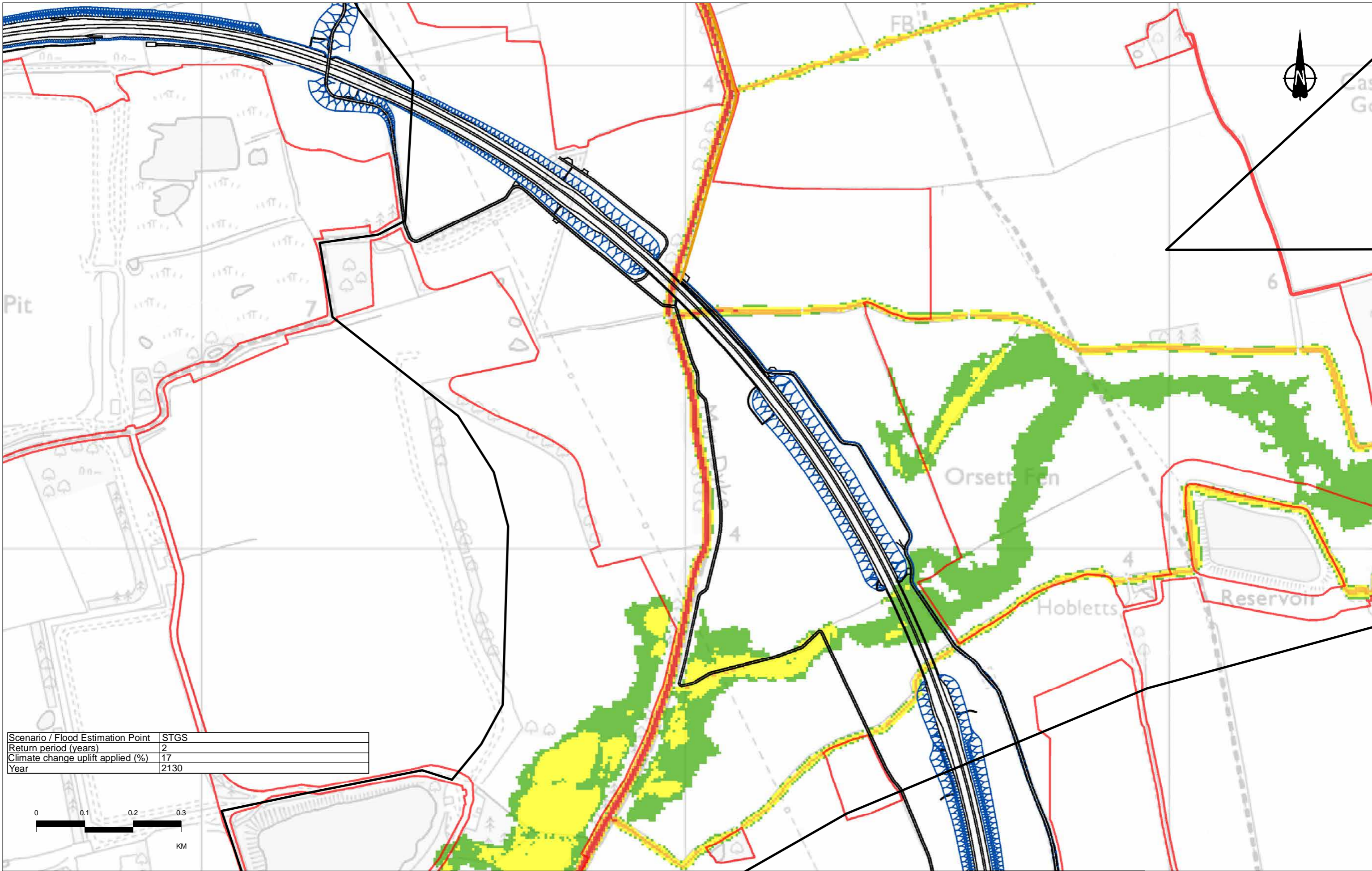
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



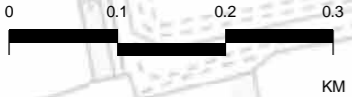
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 21 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00472				



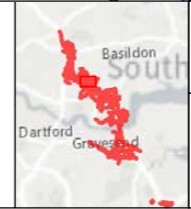
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all

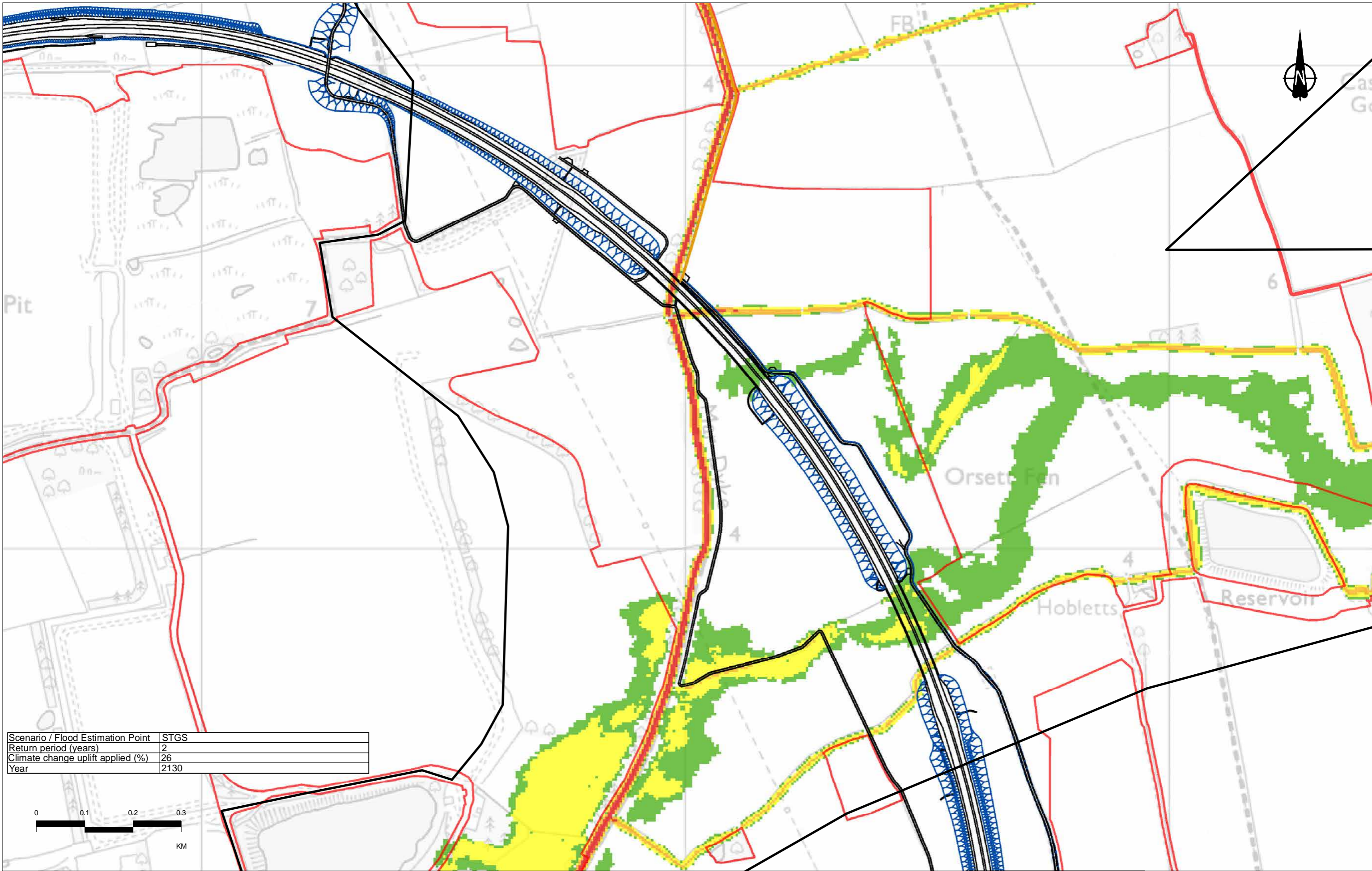


Client: **national highways**

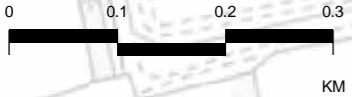
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 22 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00473				





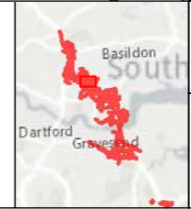
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

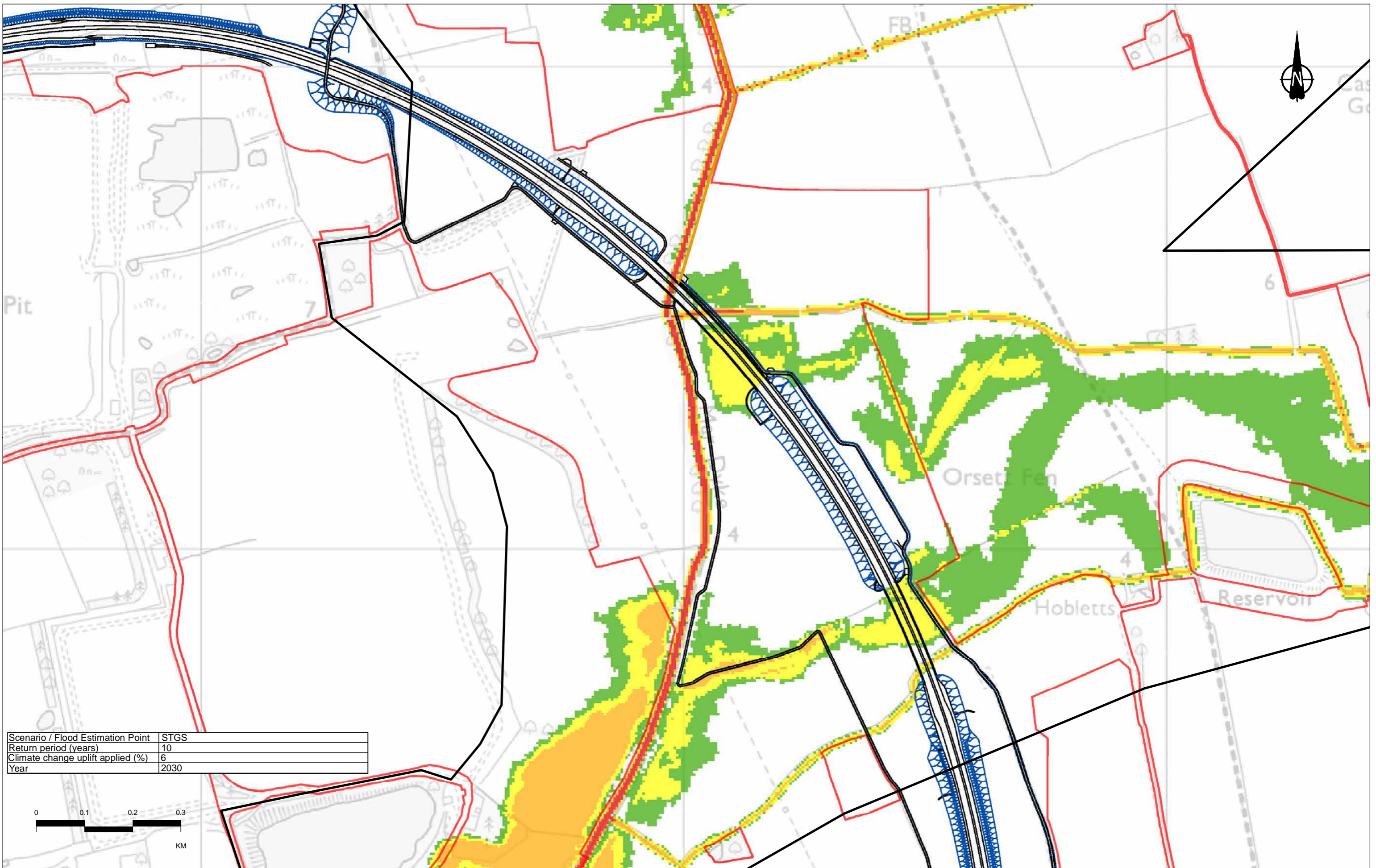
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



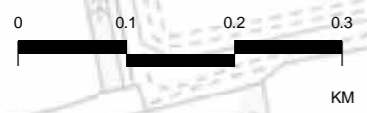
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 23 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00474				



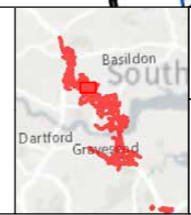
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	6
Year	2030



P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

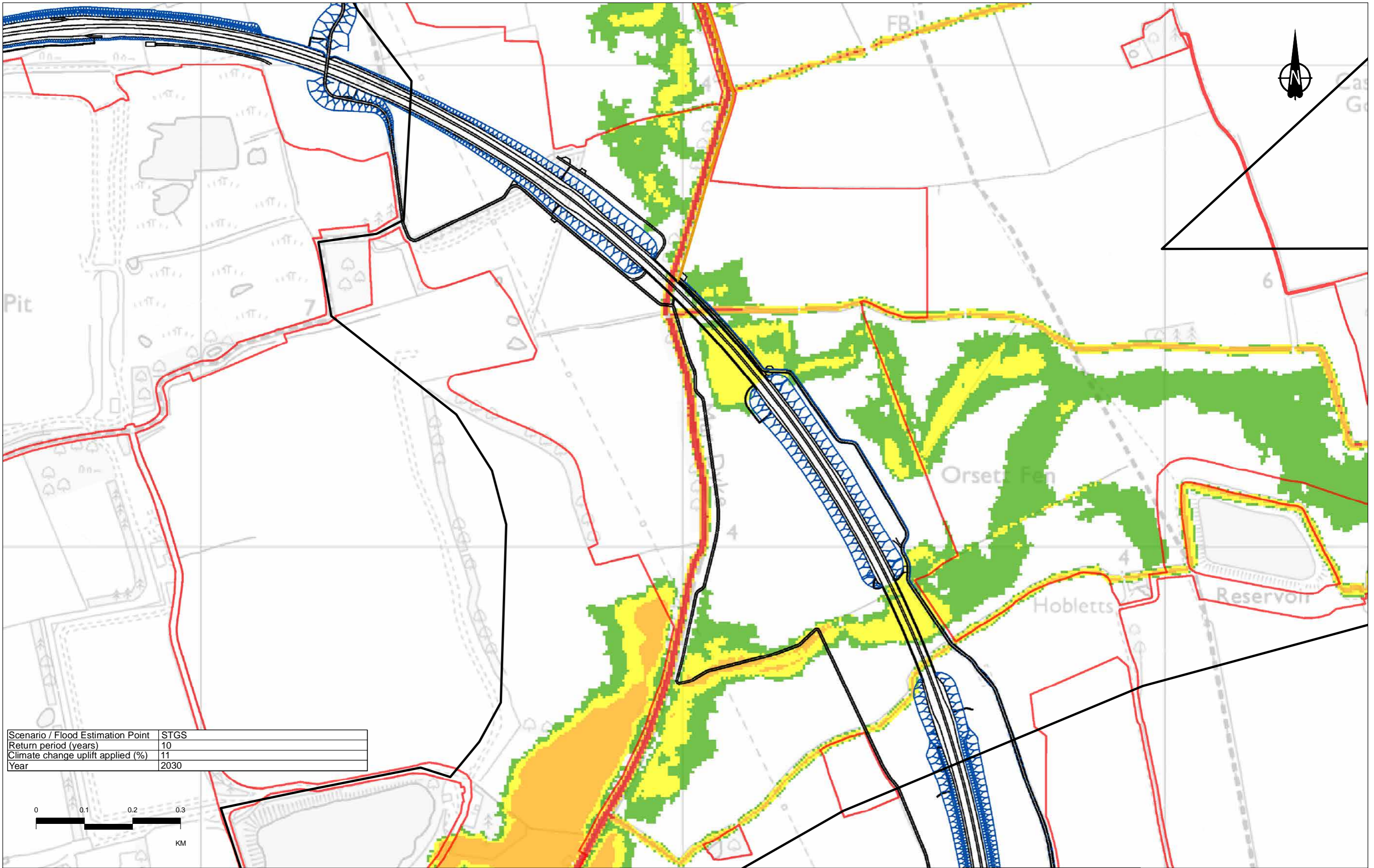
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



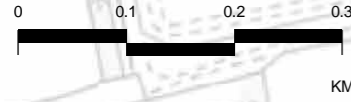
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 24 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00475				



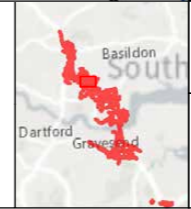
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

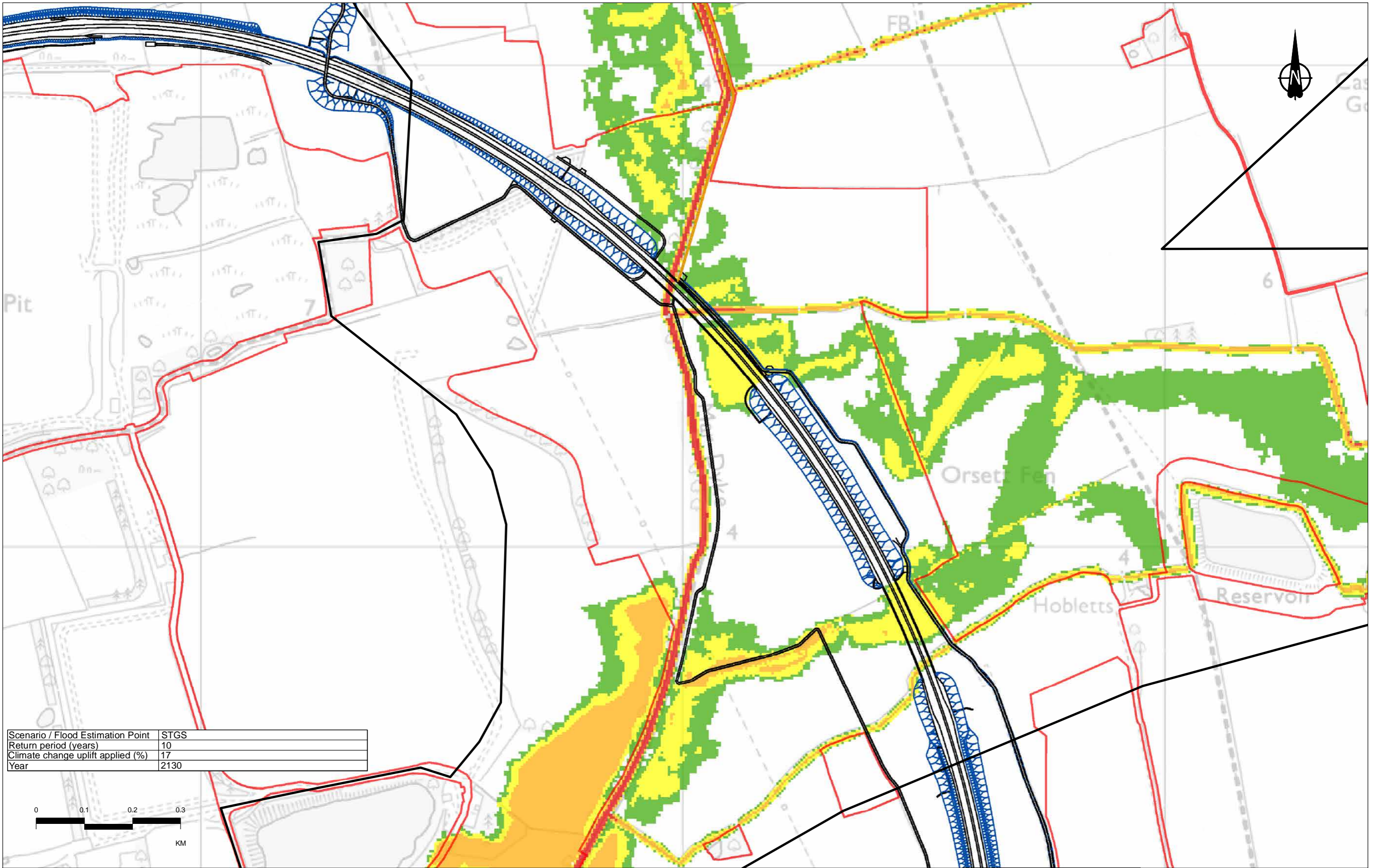
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



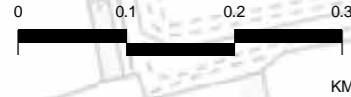
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 25 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00476				

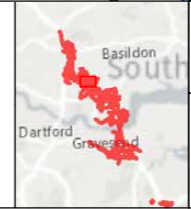


Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

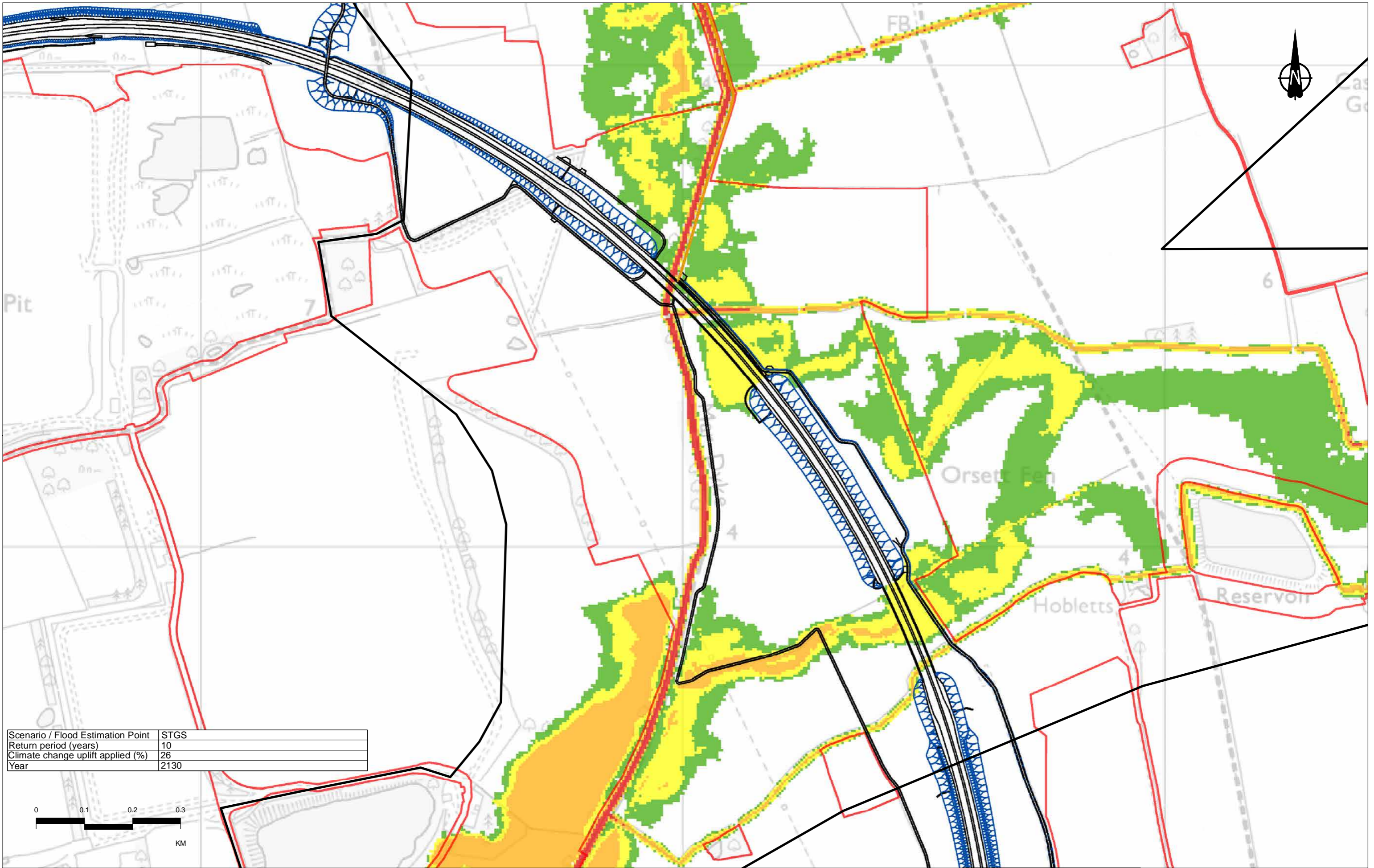
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			Very low hazard
			Danger for some
			Danger for most
			Danger for all



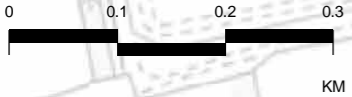
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 26 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00477				



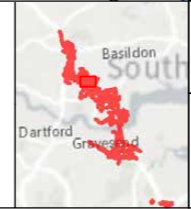
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

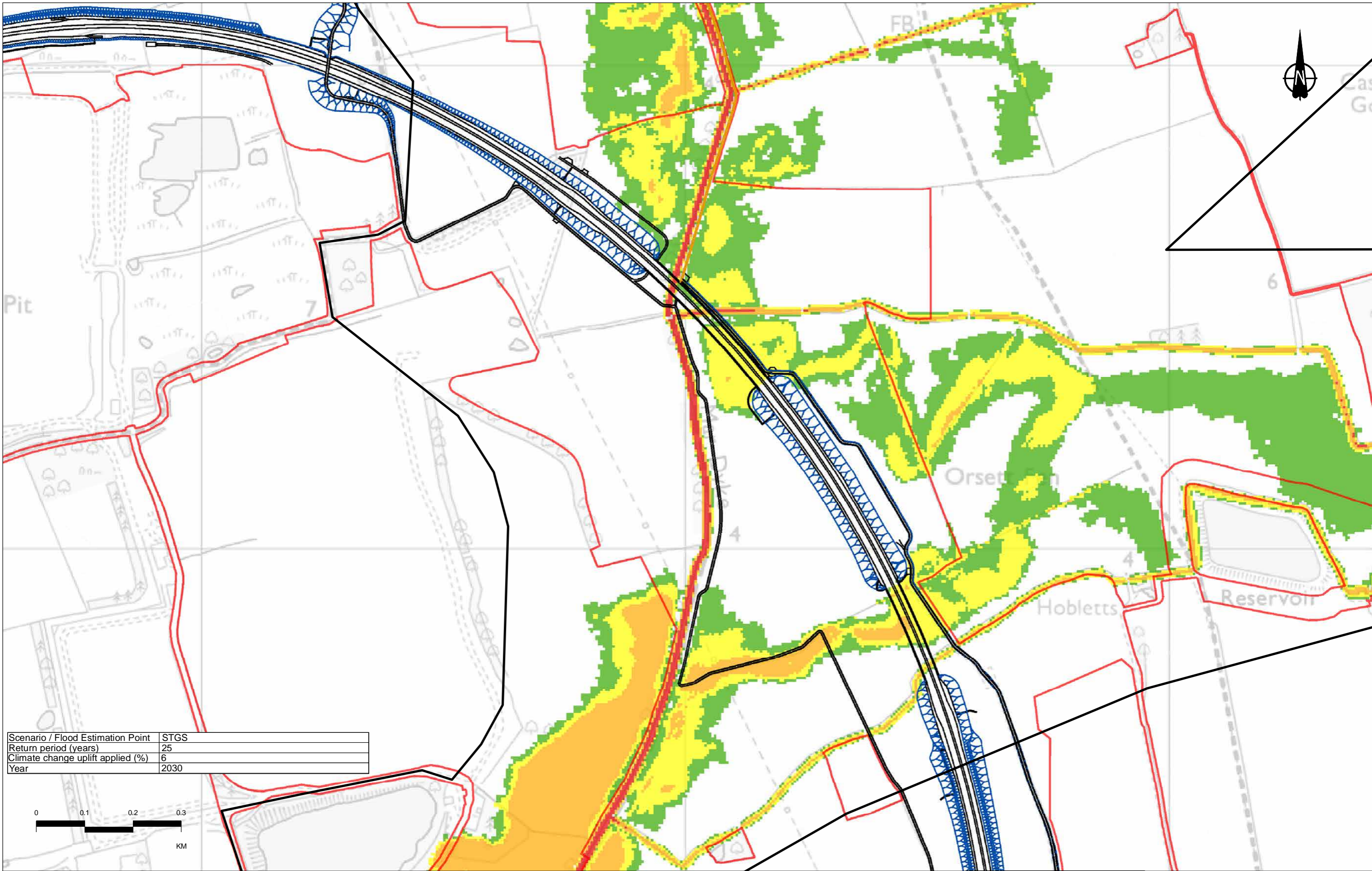
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



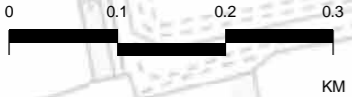
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 27 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00478				



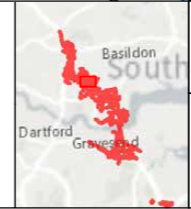
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

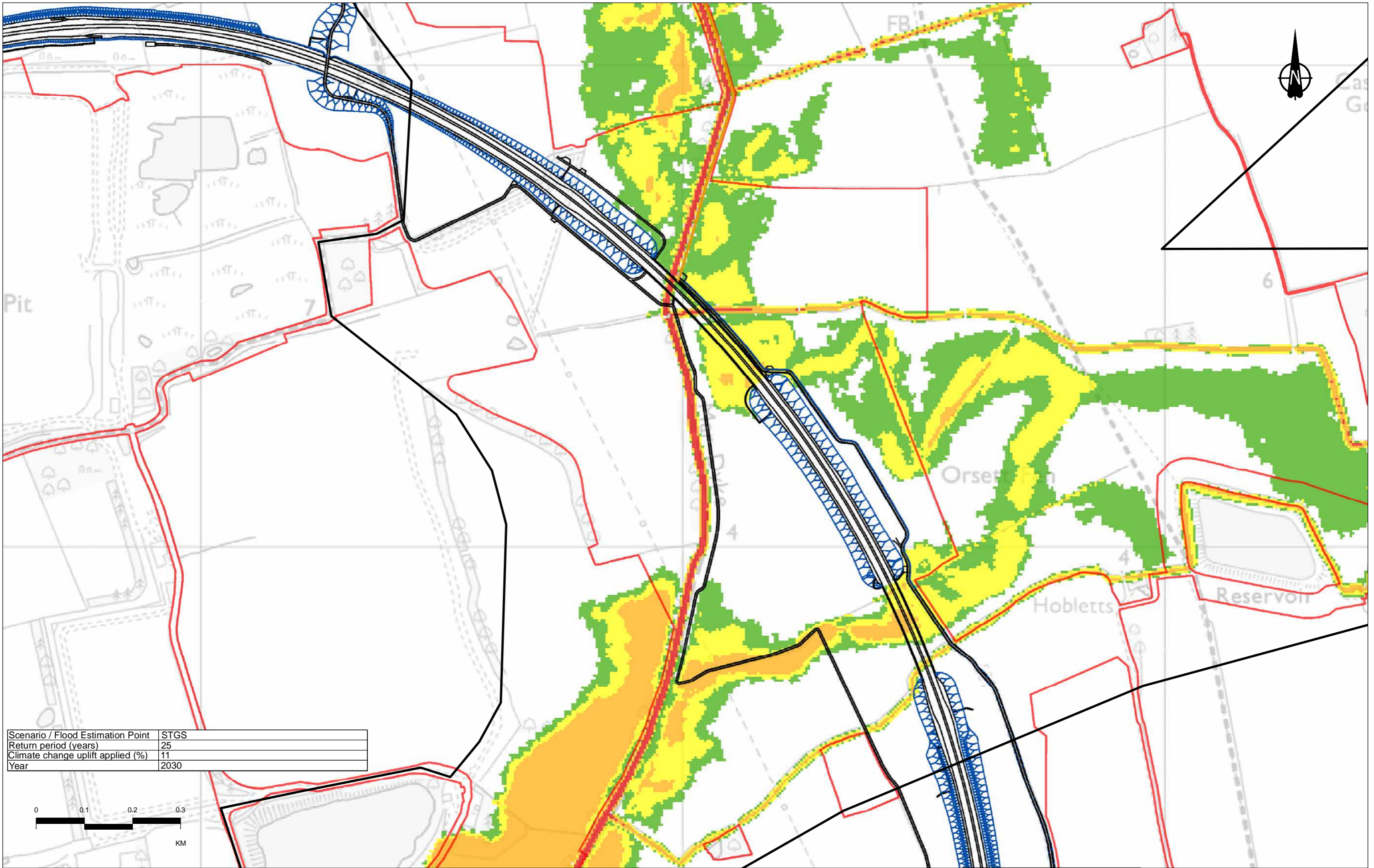
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



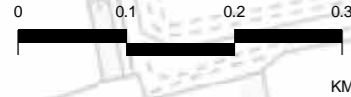
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 28 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00479				



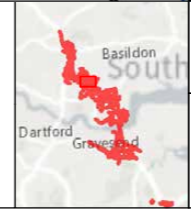
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	11
Year	2030



P01		SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd	

**Legend**

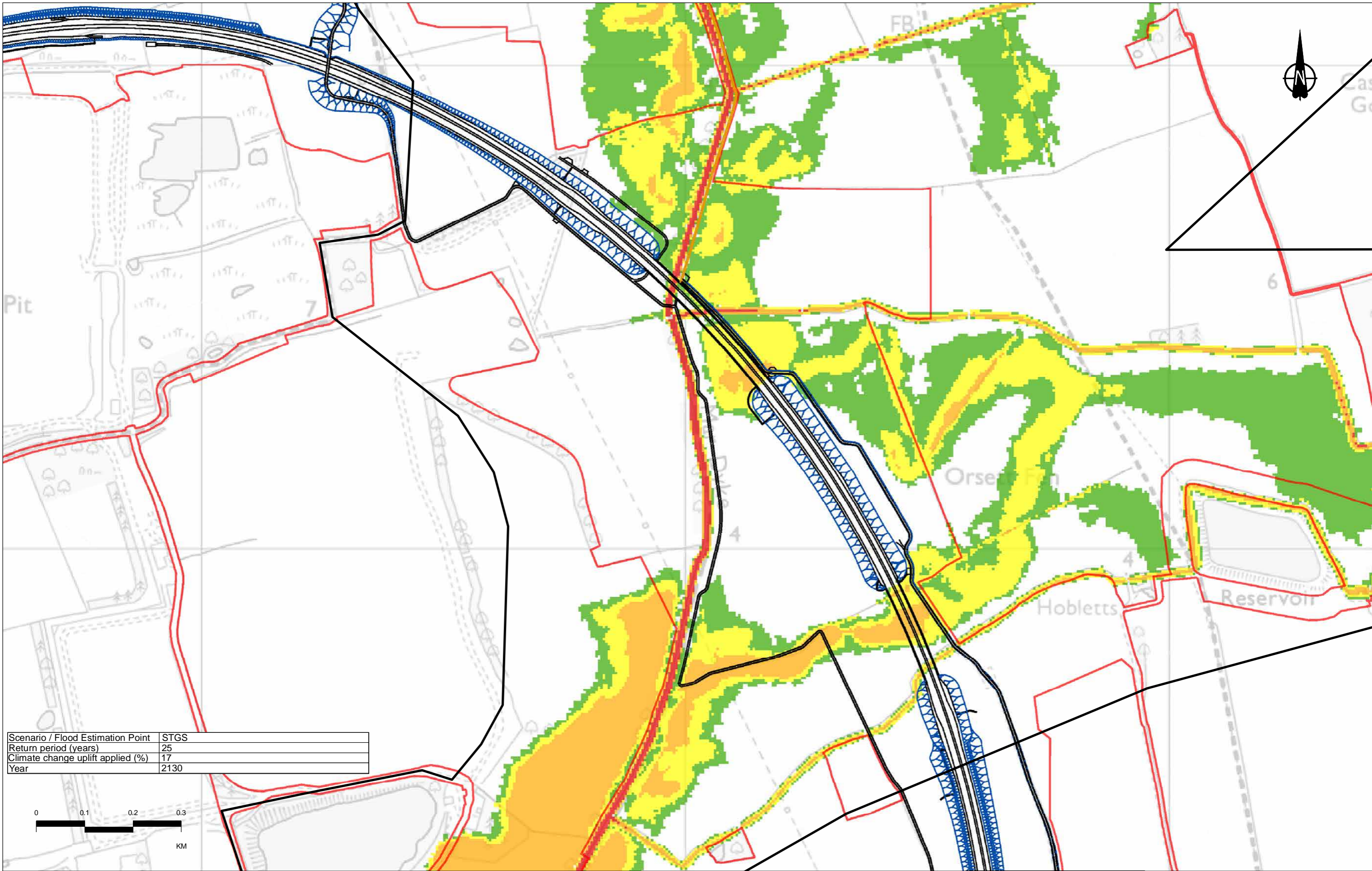
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



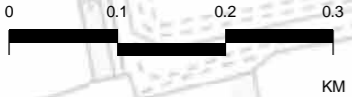
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 29 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00480				



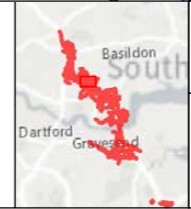
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all

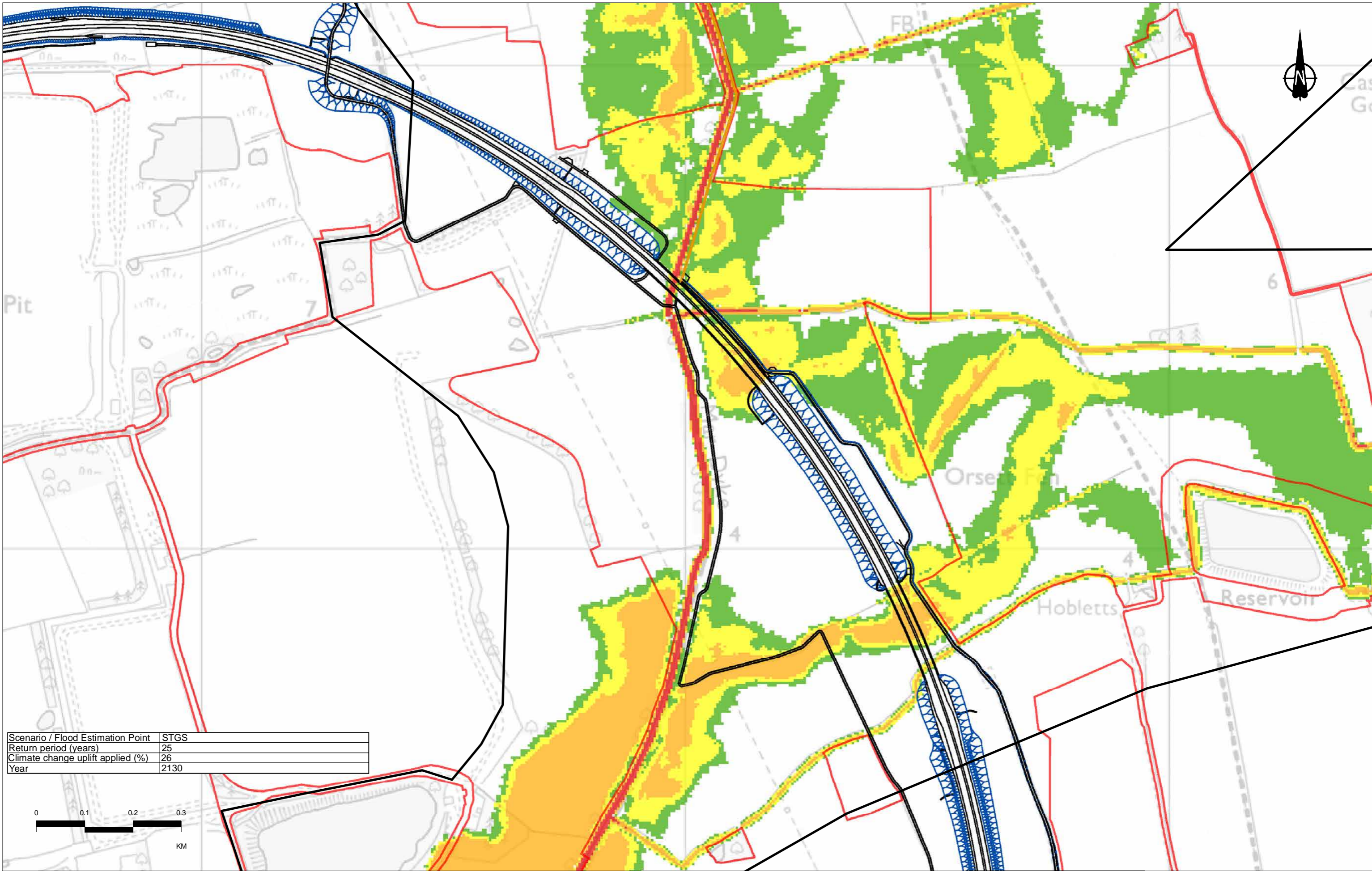


Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 30 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00481				

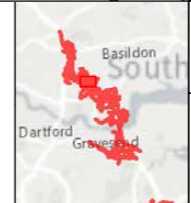




P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

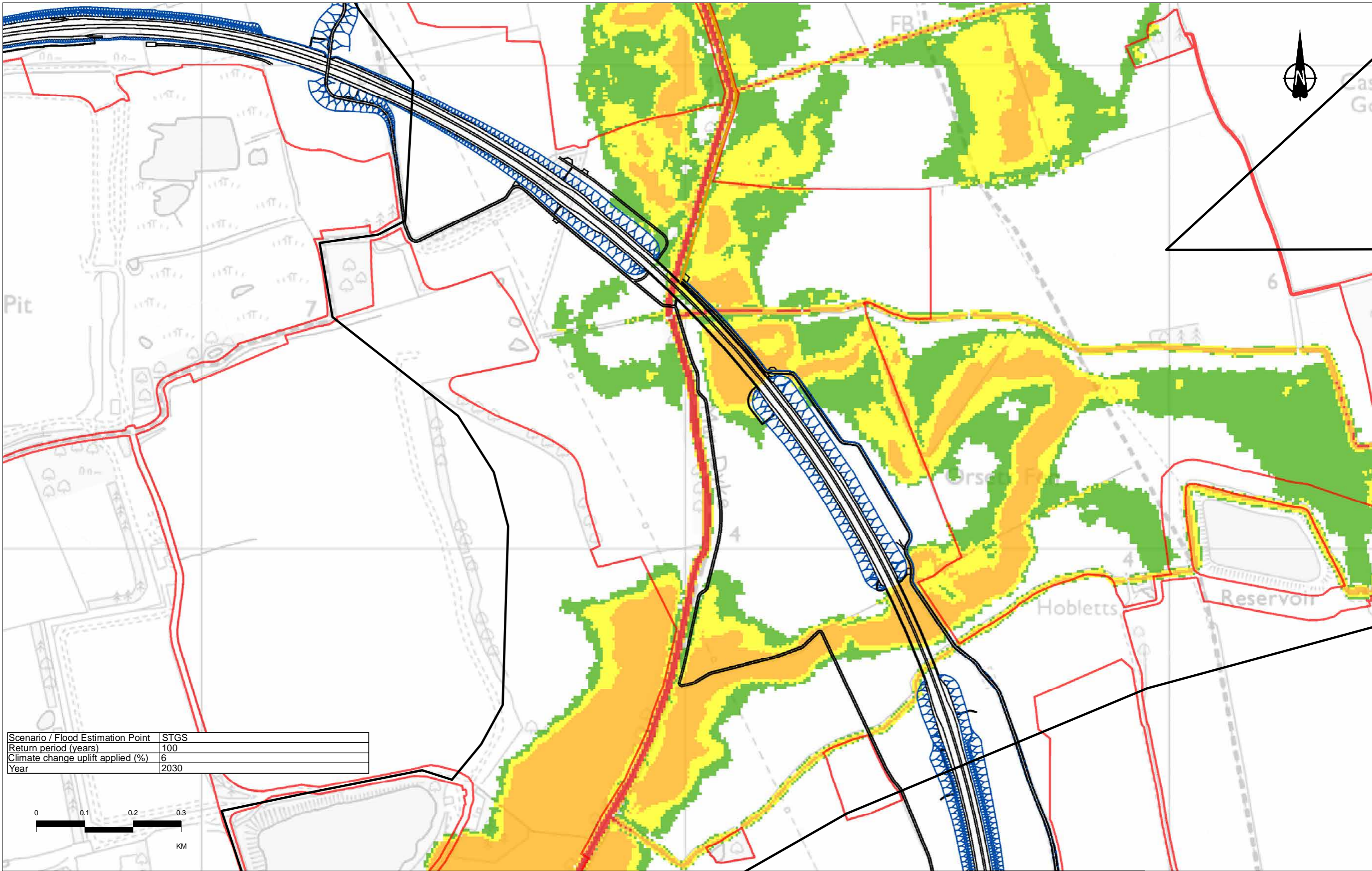
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



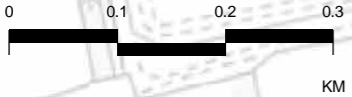
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 31 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00482				



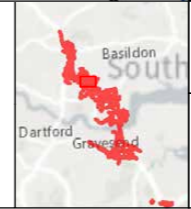
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

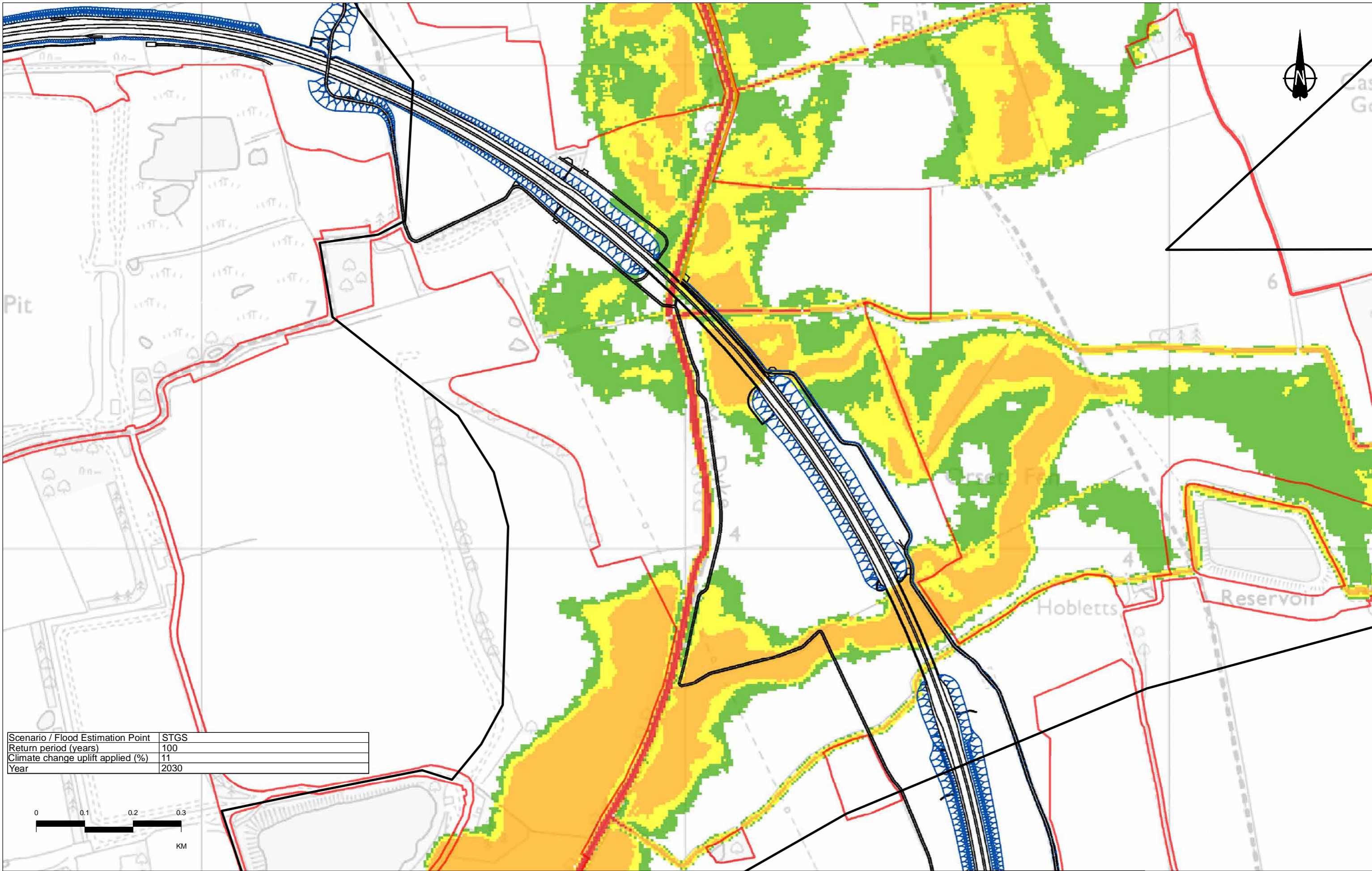
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



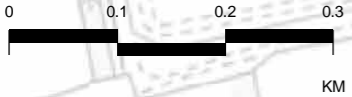
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 32 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00483				



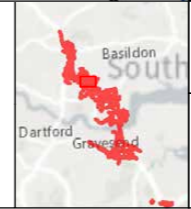
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

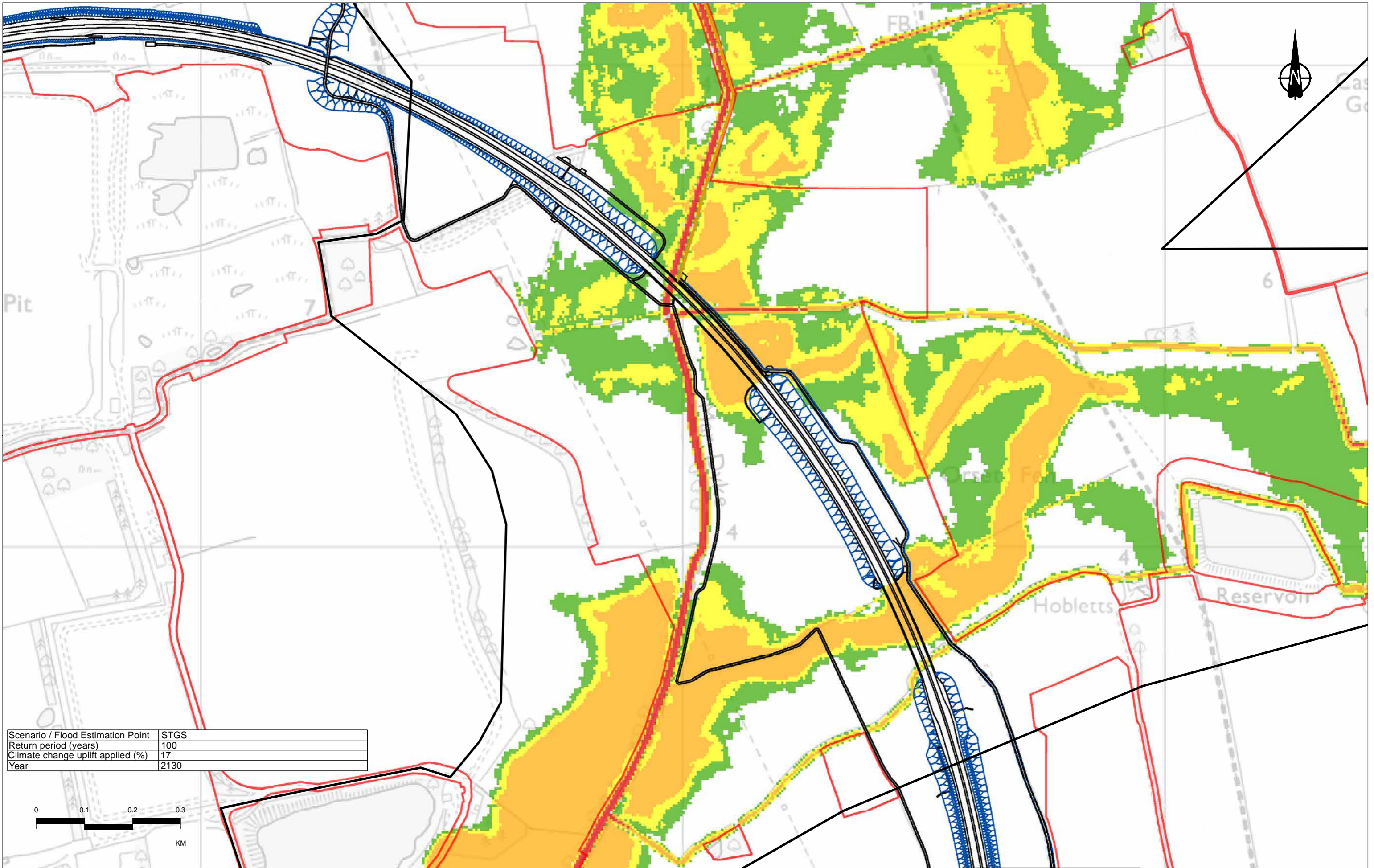
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



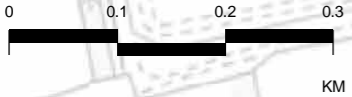
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 33 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00484				



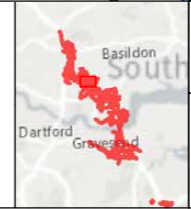
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

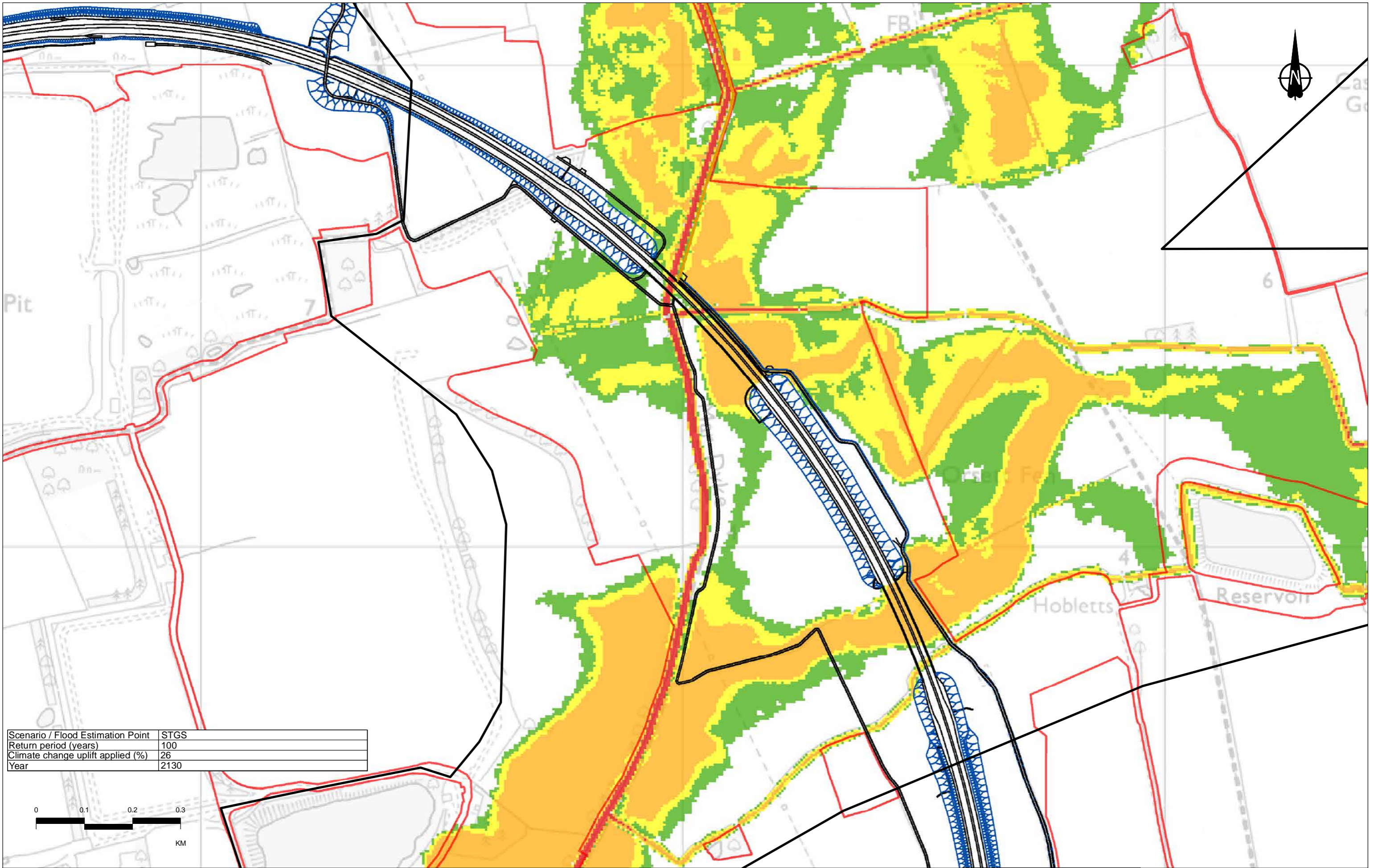
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



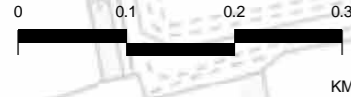
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 34 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00485				



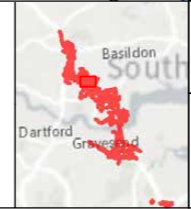
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

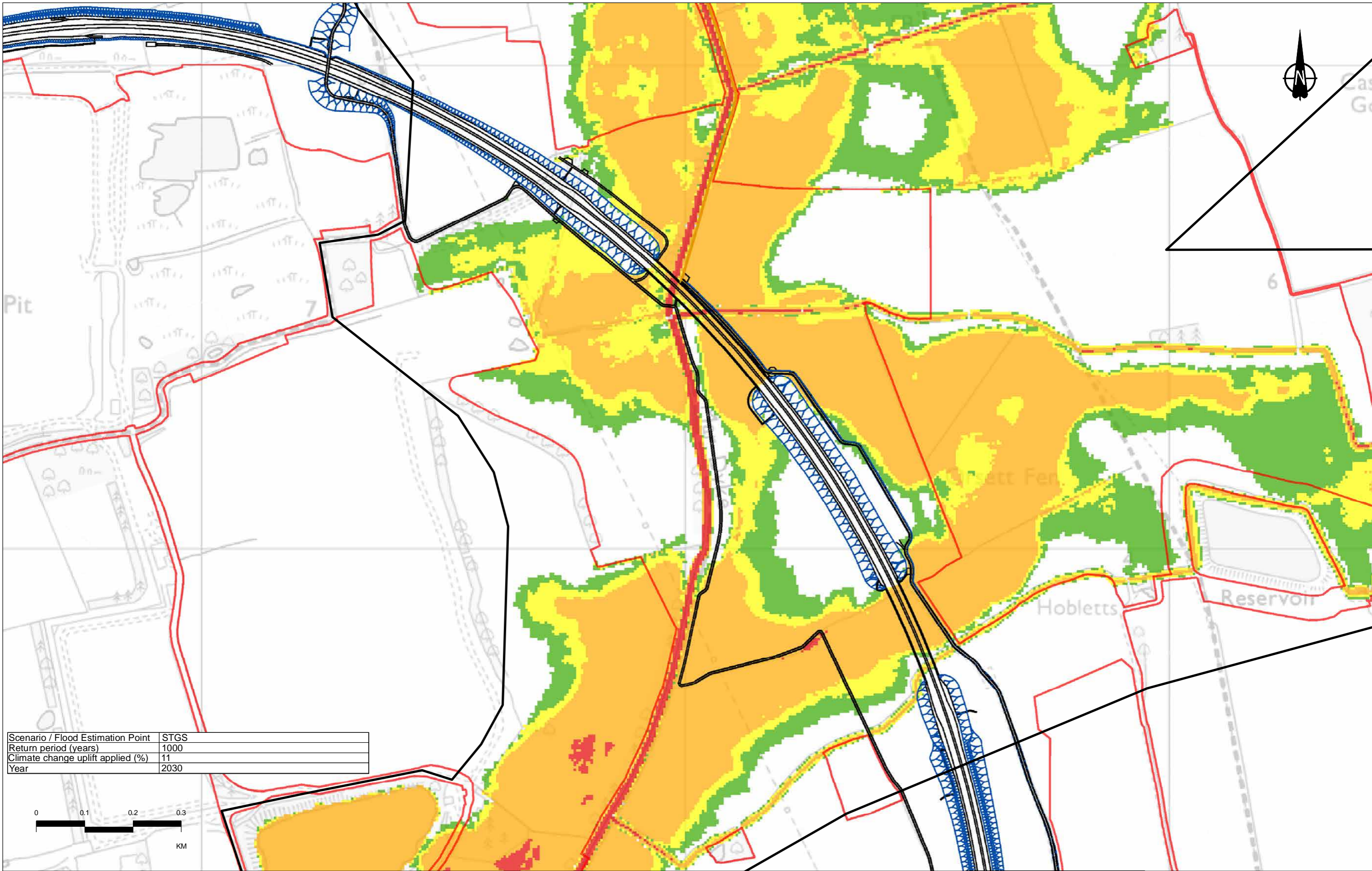
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



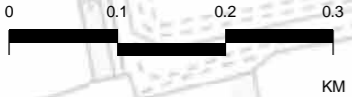
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 35 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00486				



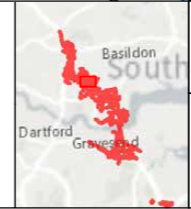
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

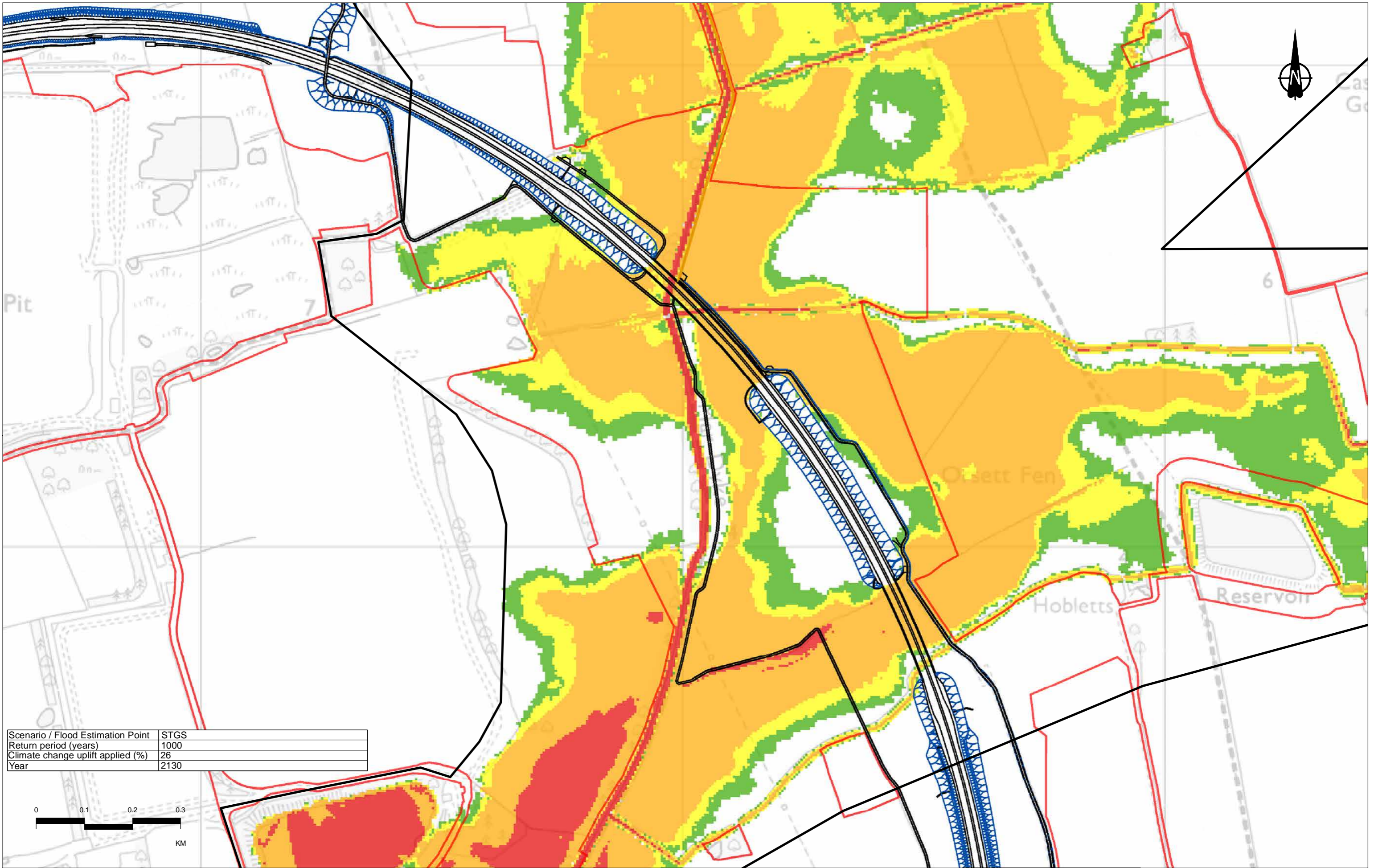
2D model extent	Proposed LTC alignment	<b>Maximum flood hazard category</b>
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



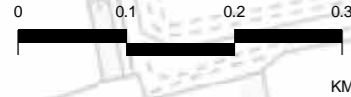
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (without mitigation) Sheet 36 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00487				

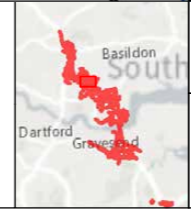


Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

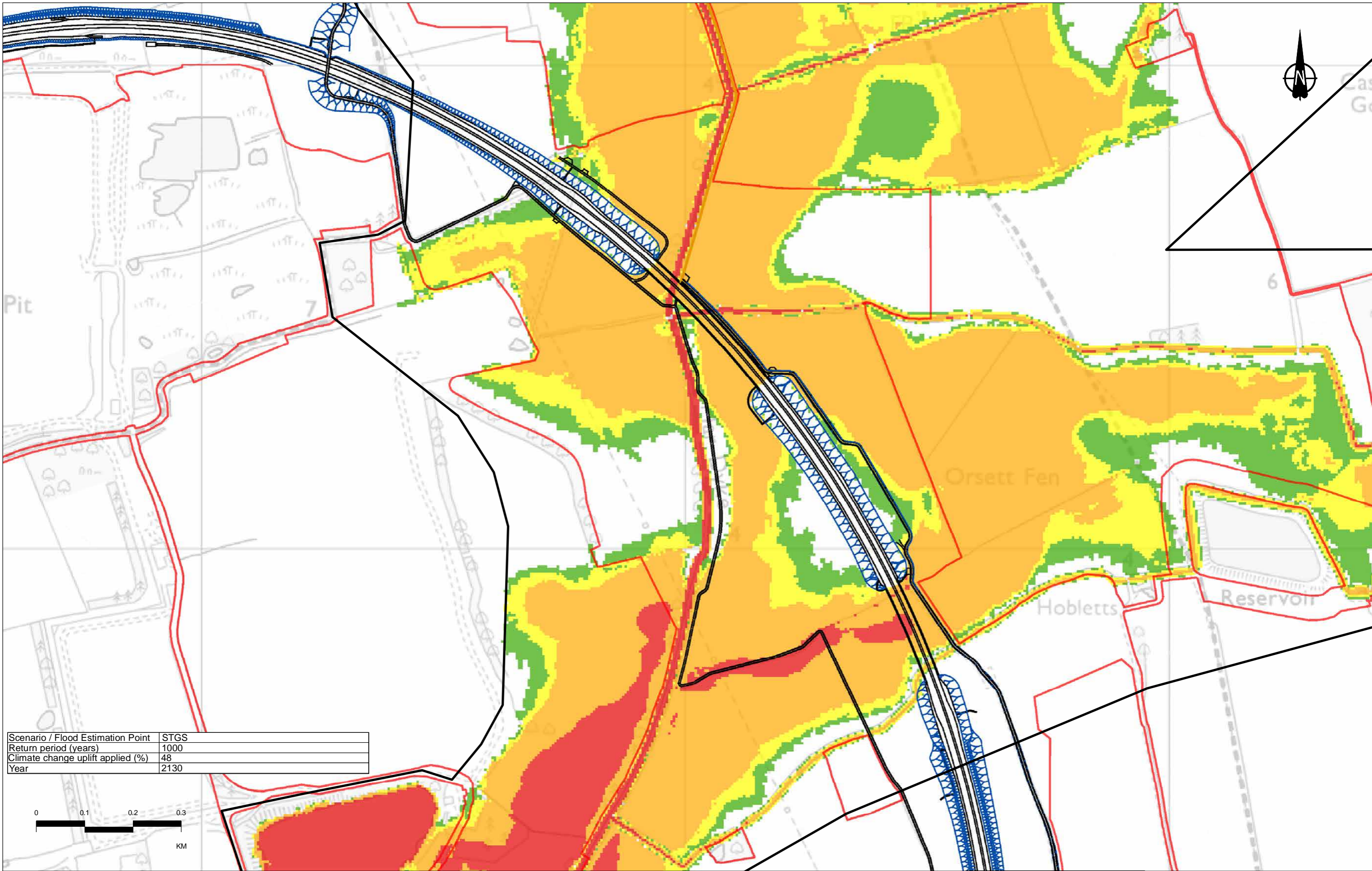
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			Very low hazard
			Danger for some
			Danger for most
			Danger for all



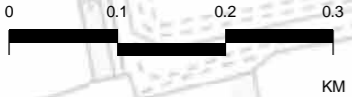
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 37 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00488				



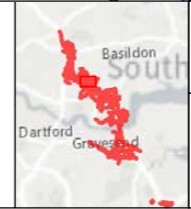
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	48
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all

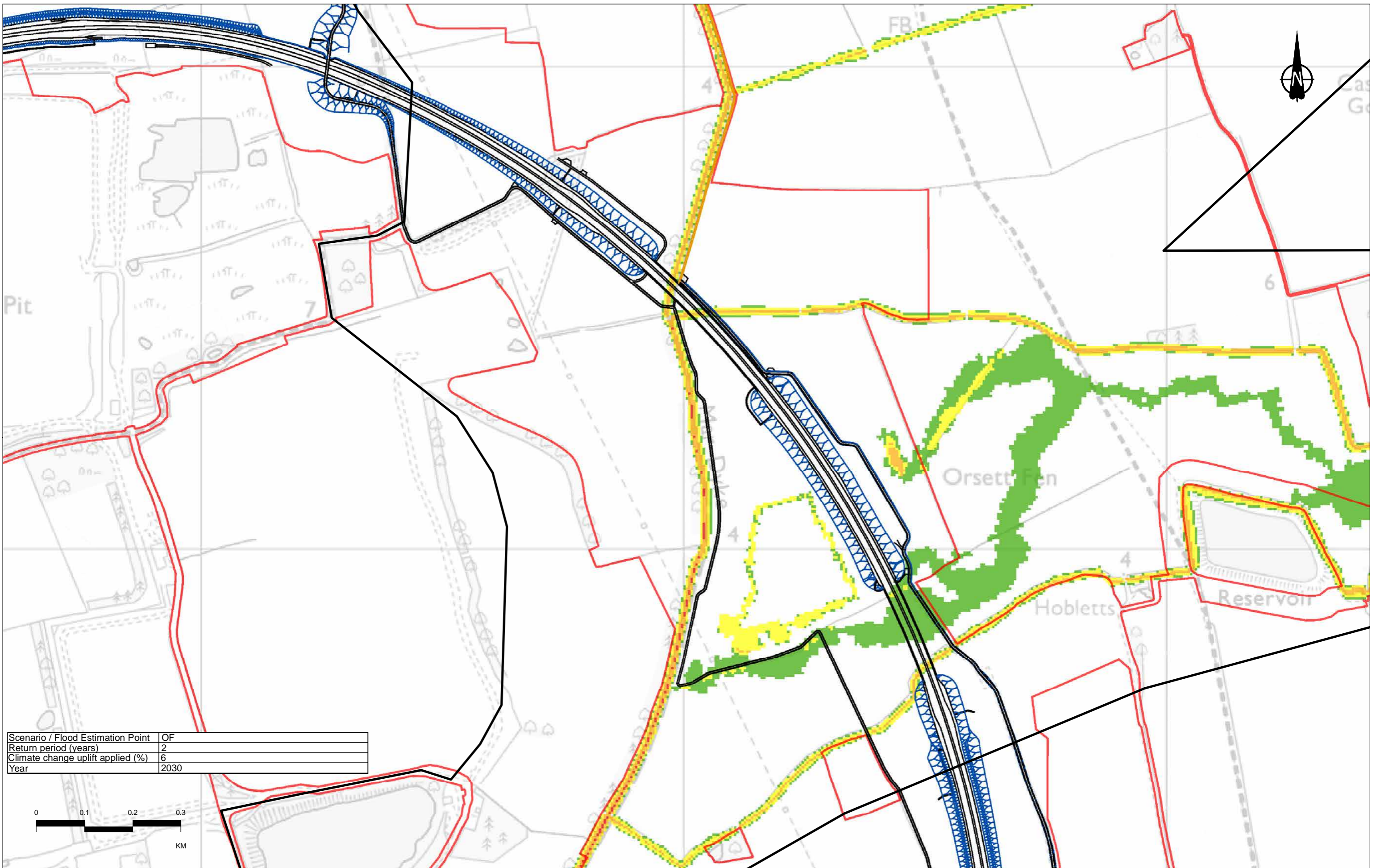


Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (without mitigation)</b> <b>Sheet 38 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00489				

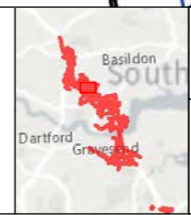




P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

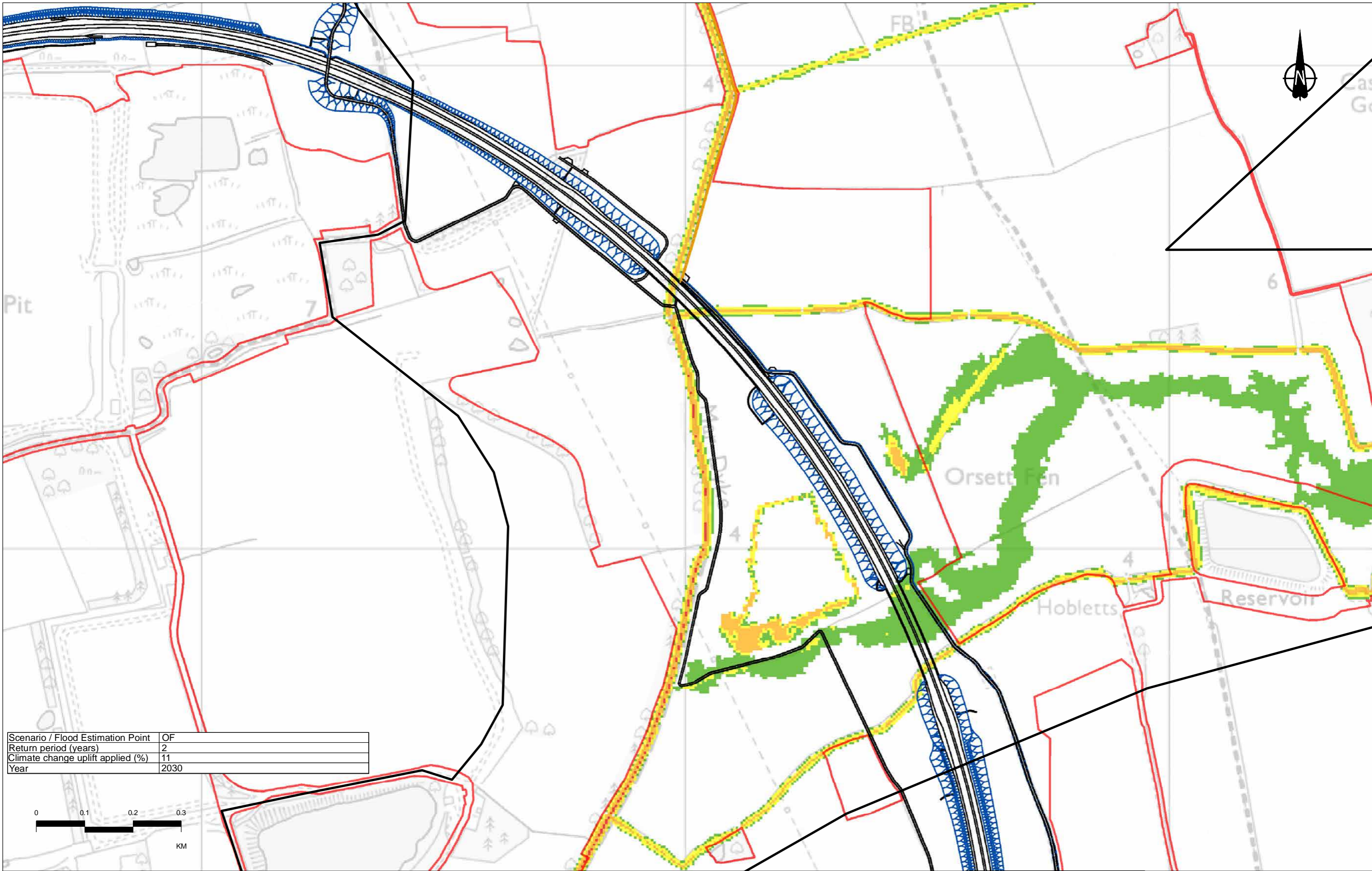
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



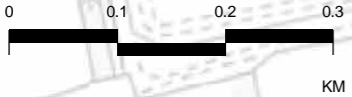
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 1 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00490				

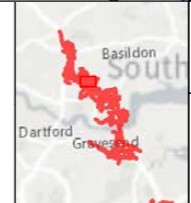


Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

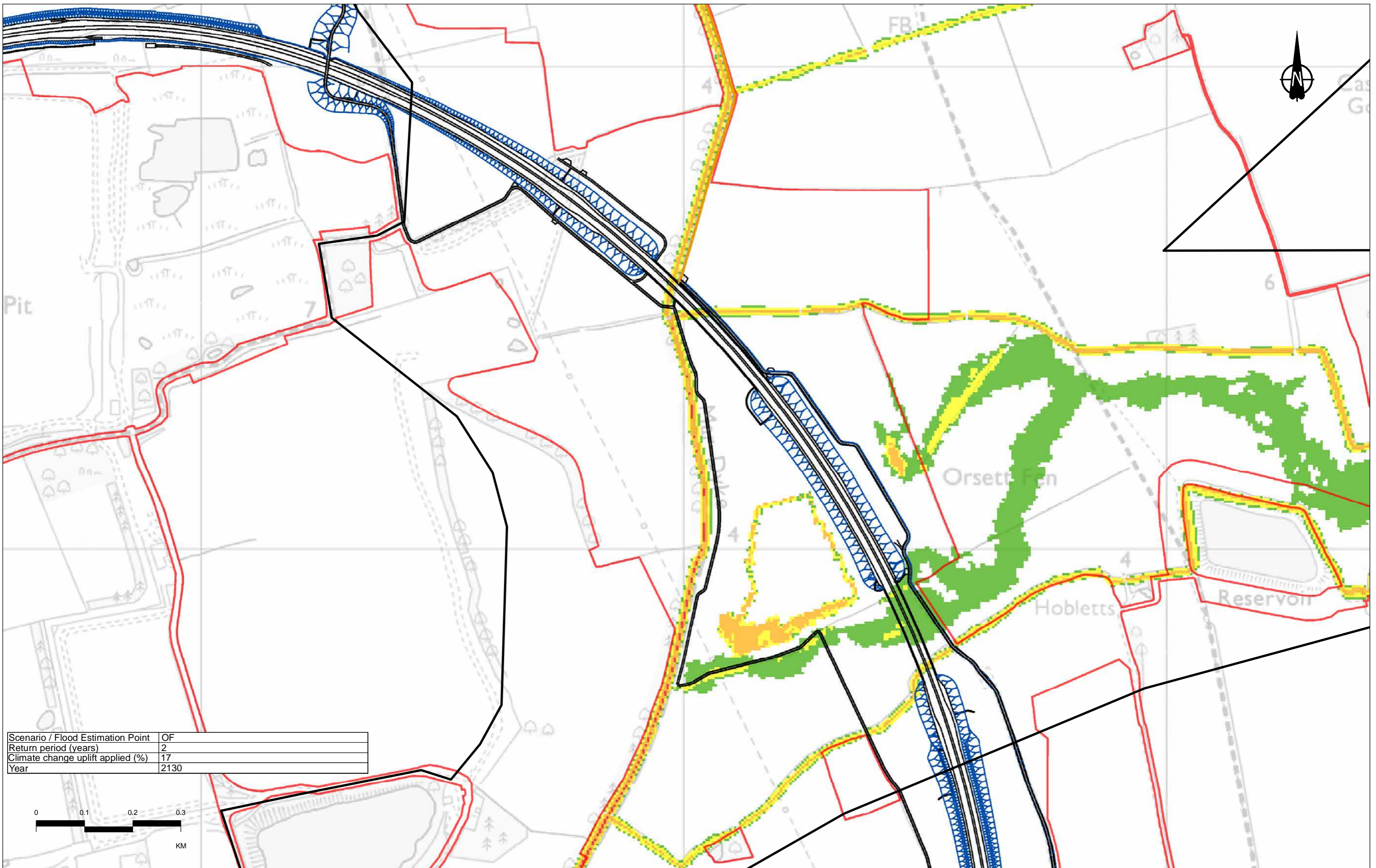
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		
	Order Limits		



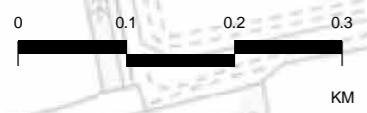
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 2 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00491				



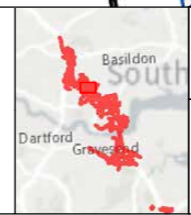
Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

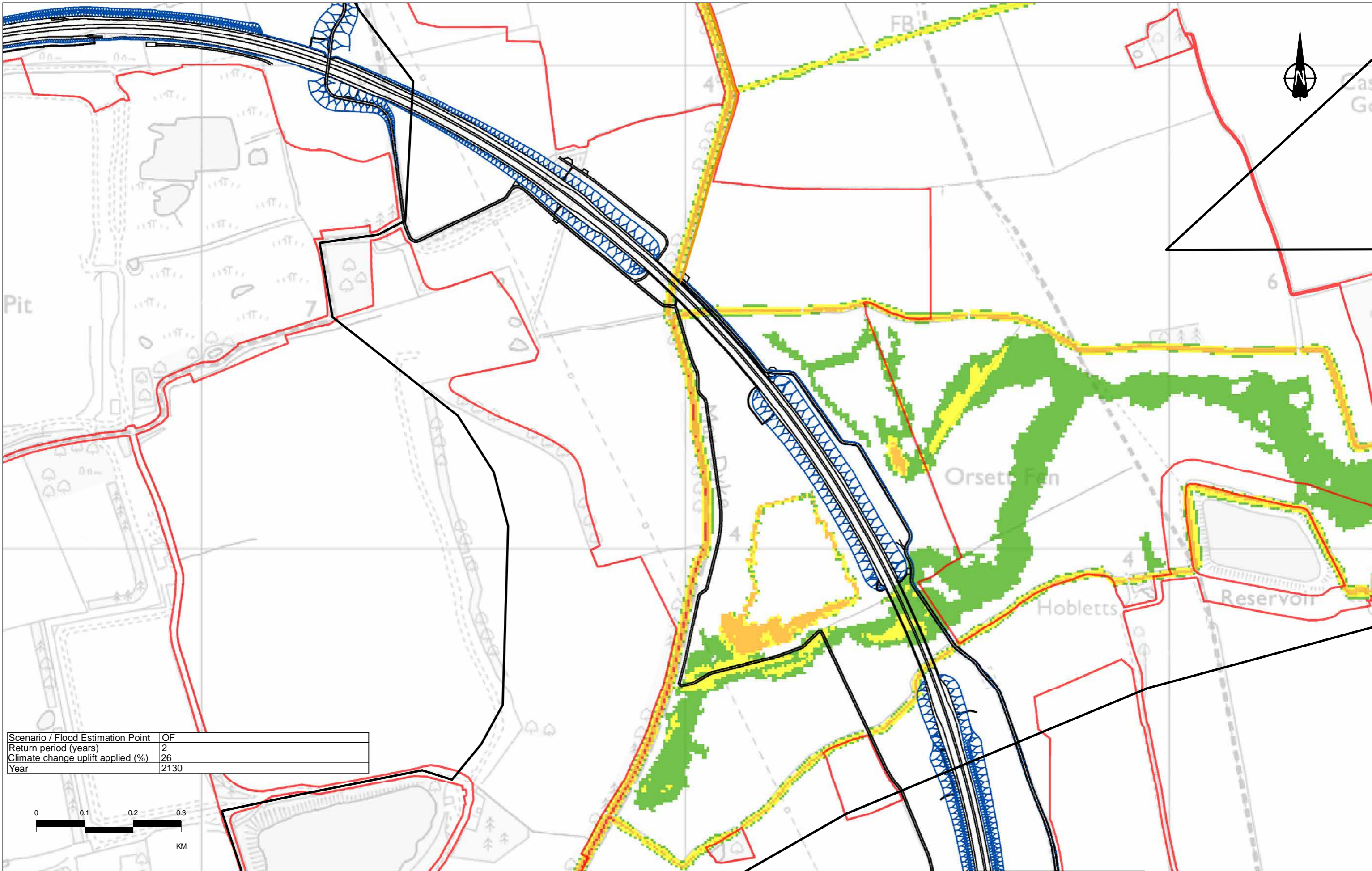
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



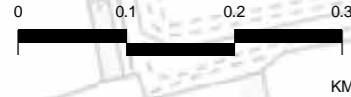
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 3 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00492				

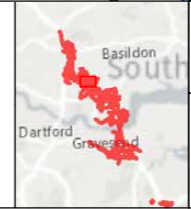


Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

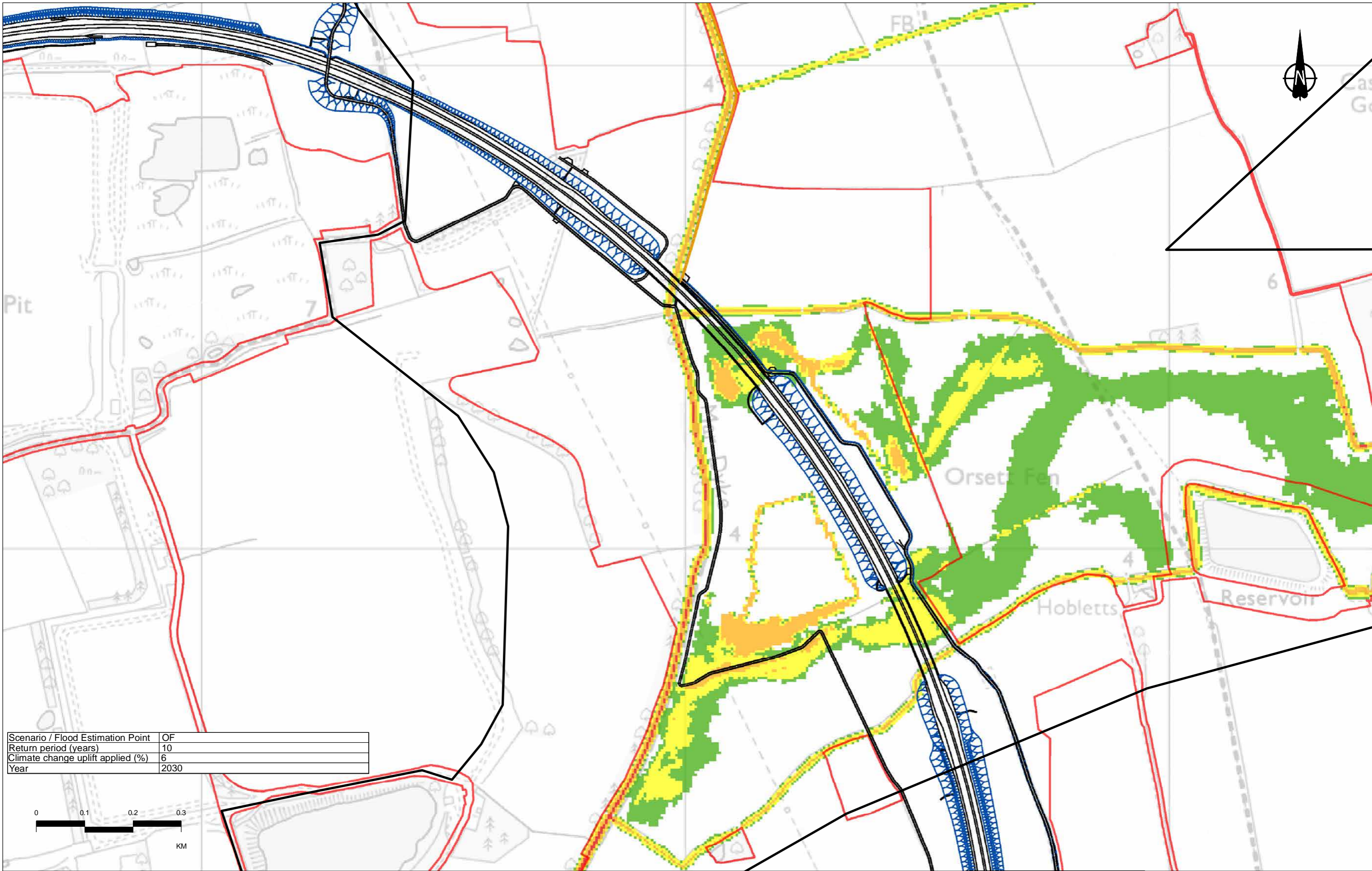
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			Very low hazard
			Danger for some
			Danger for most
			Danger for all



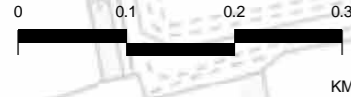
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 4 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00493				



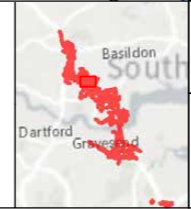
Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

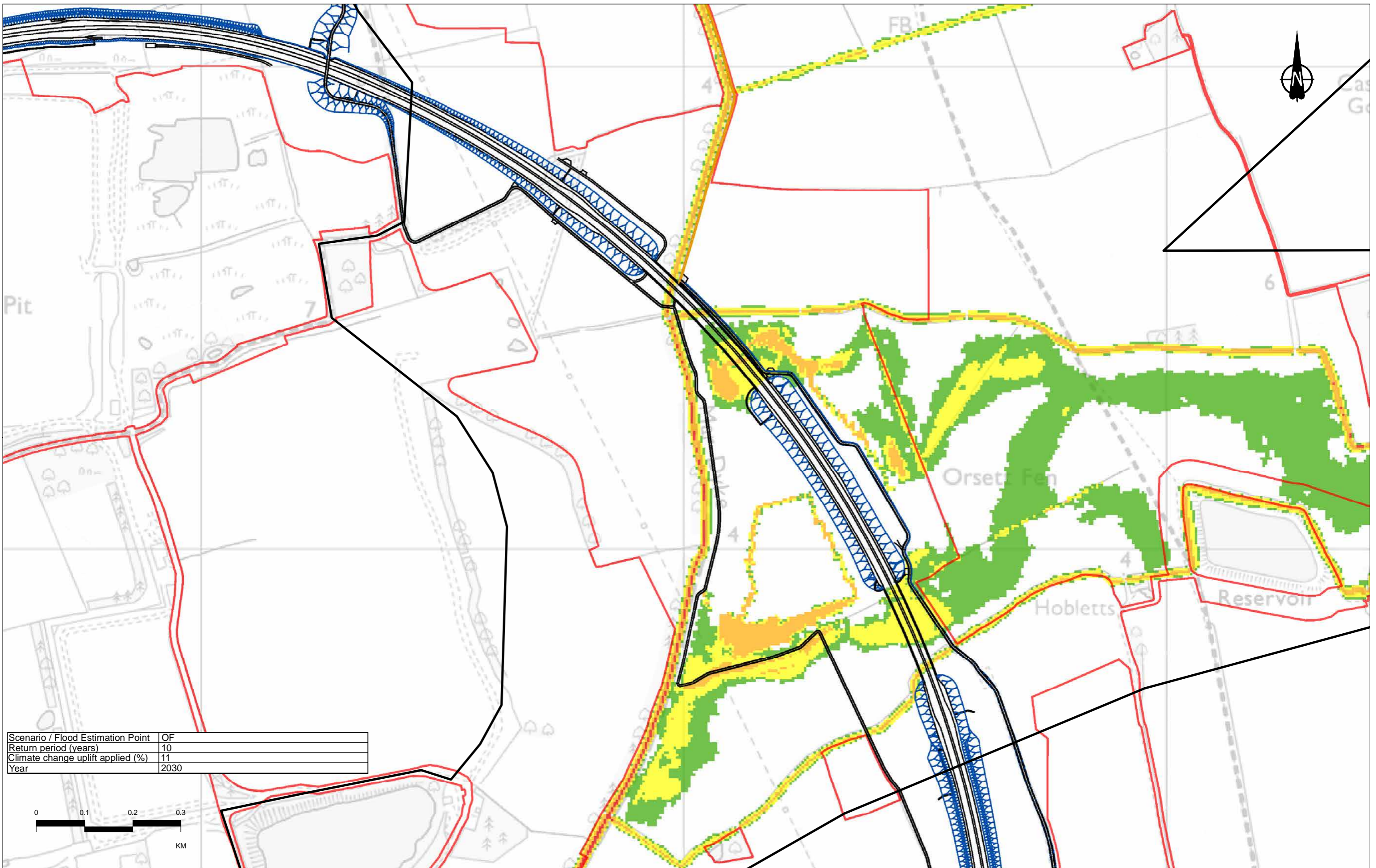
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			Very low hazard
			Danger for some
			Danger for most
			Danger for all



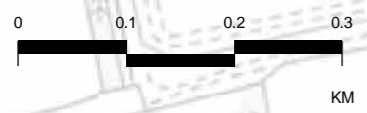
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 5 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00494				



Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	11
Year	2030

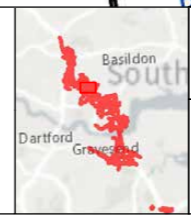


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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

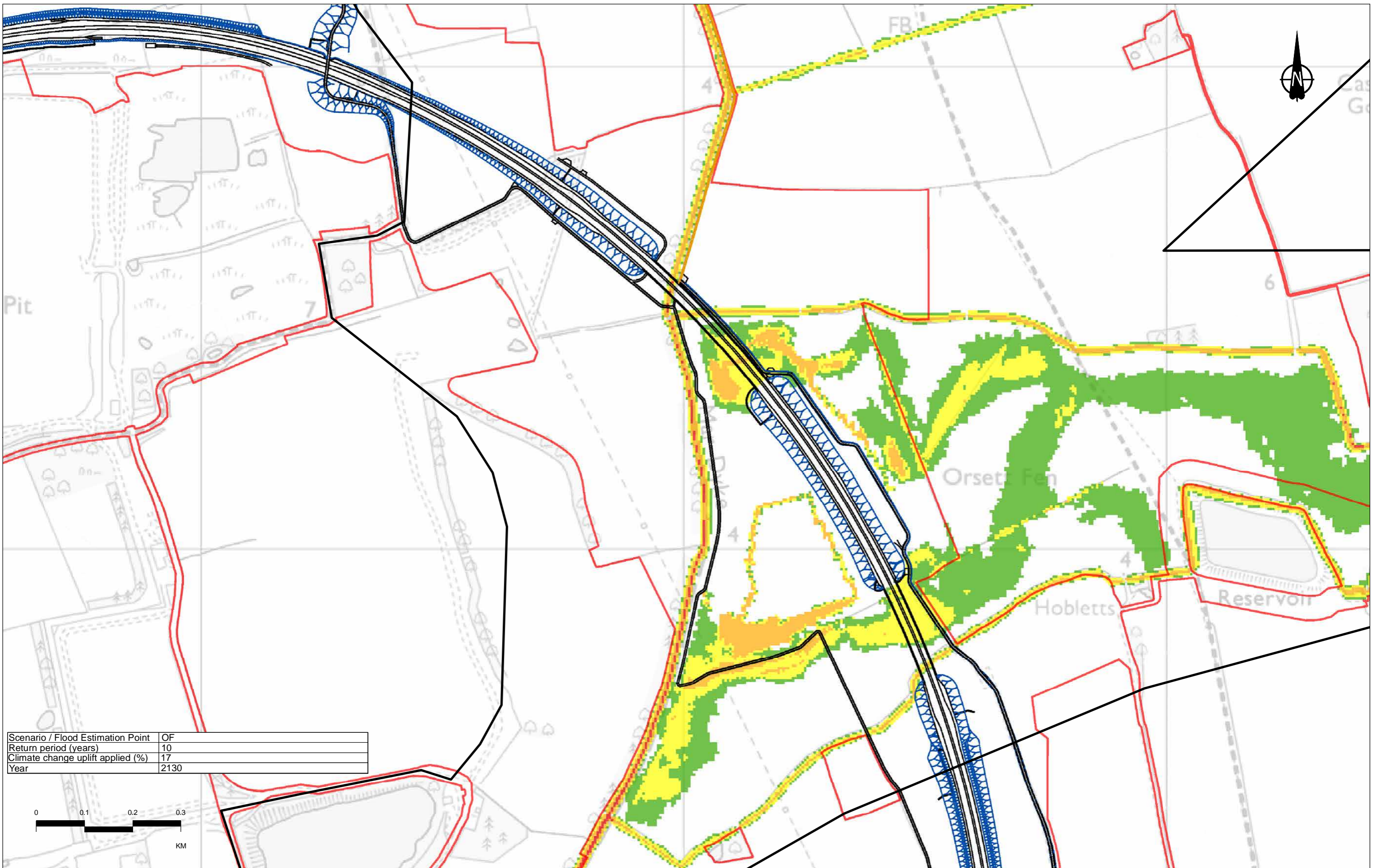
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



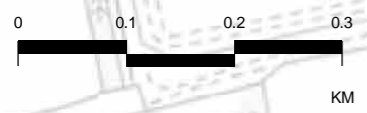
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 6 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00495				



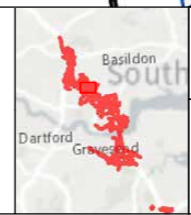
Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

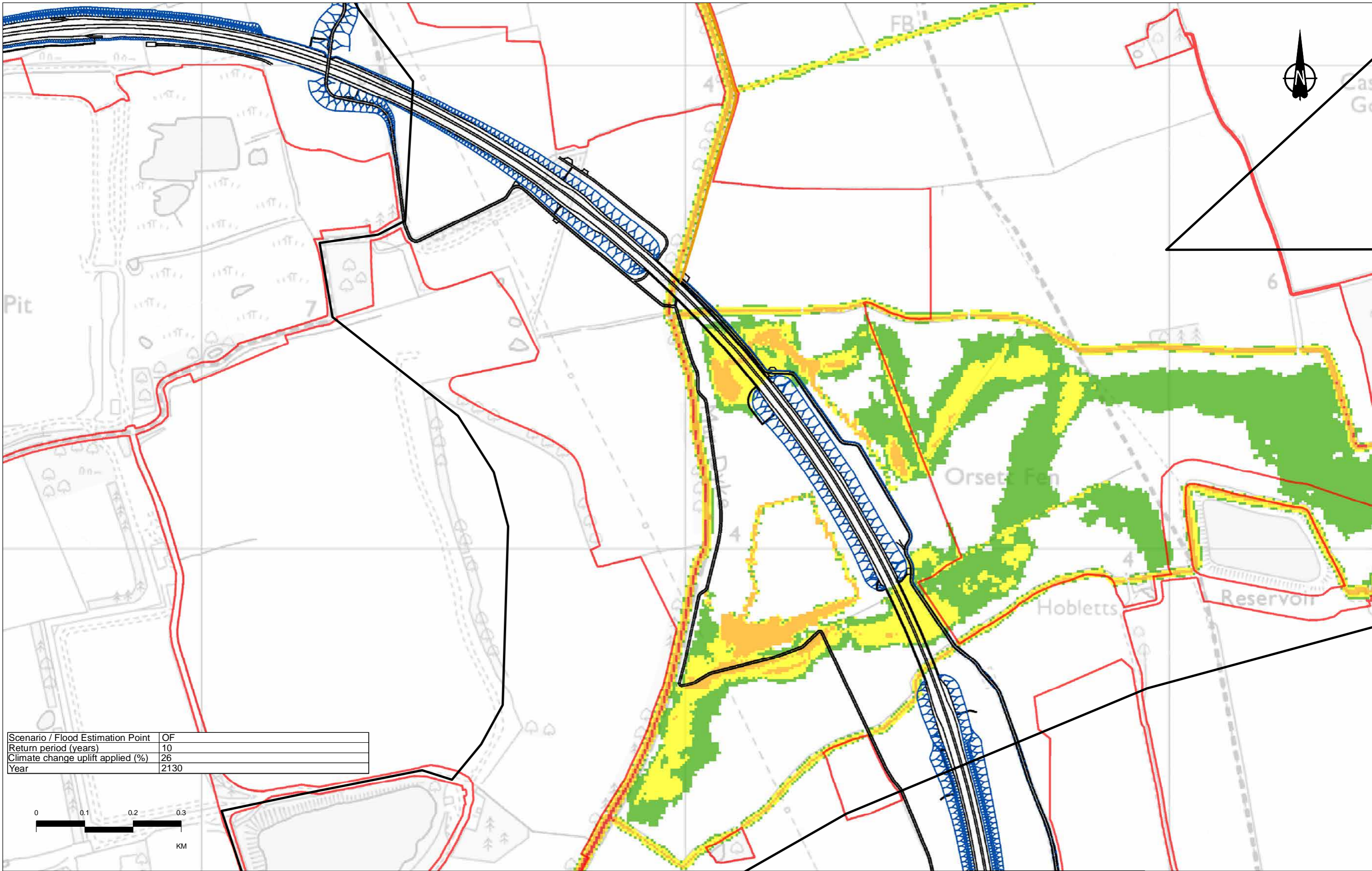
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



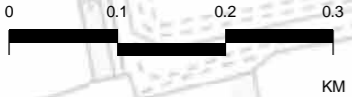
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 7 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00496				



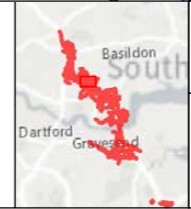
Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all

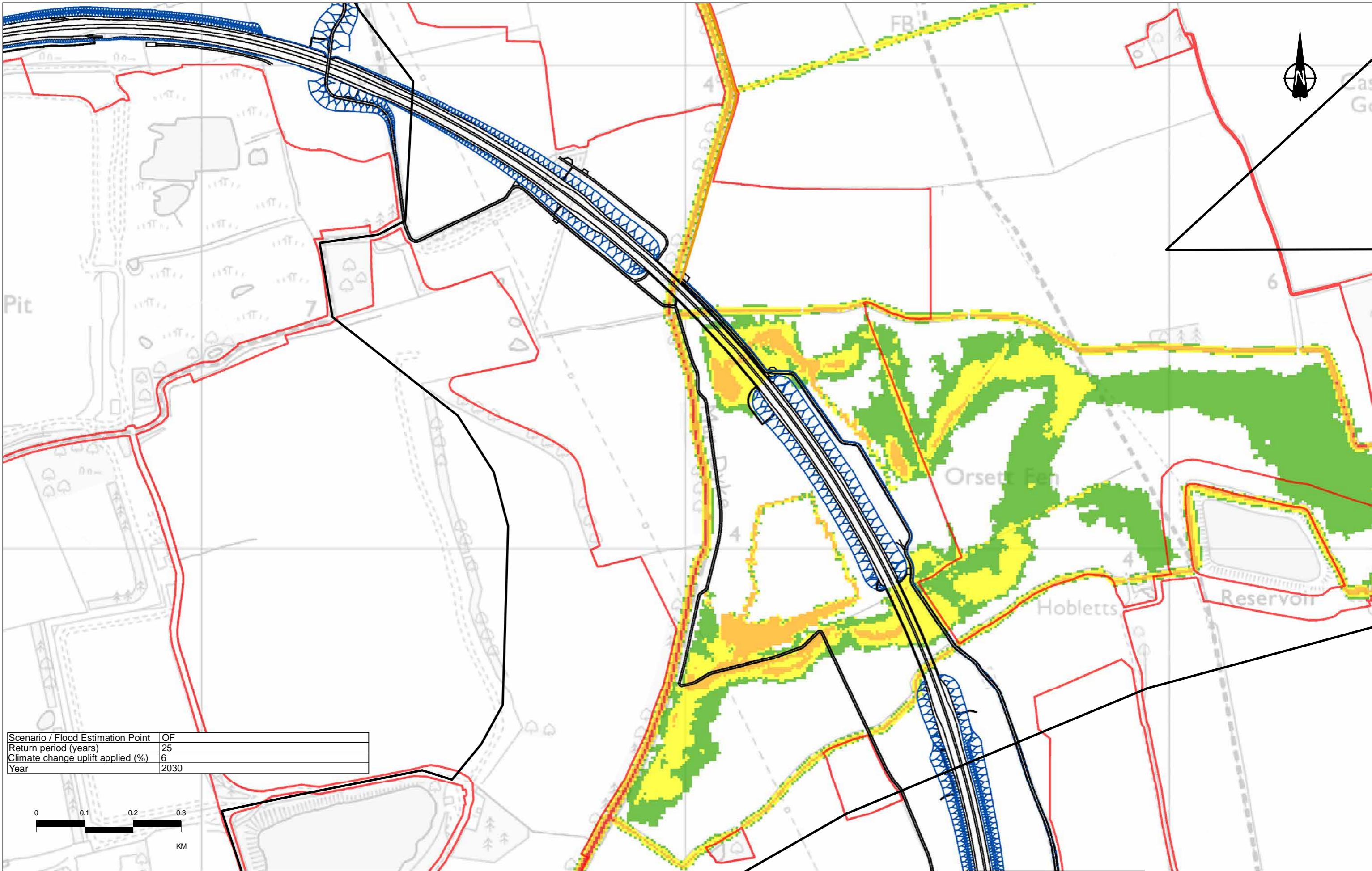


Client: **national highways**

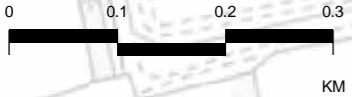
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 8 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00497				





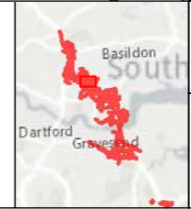
Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

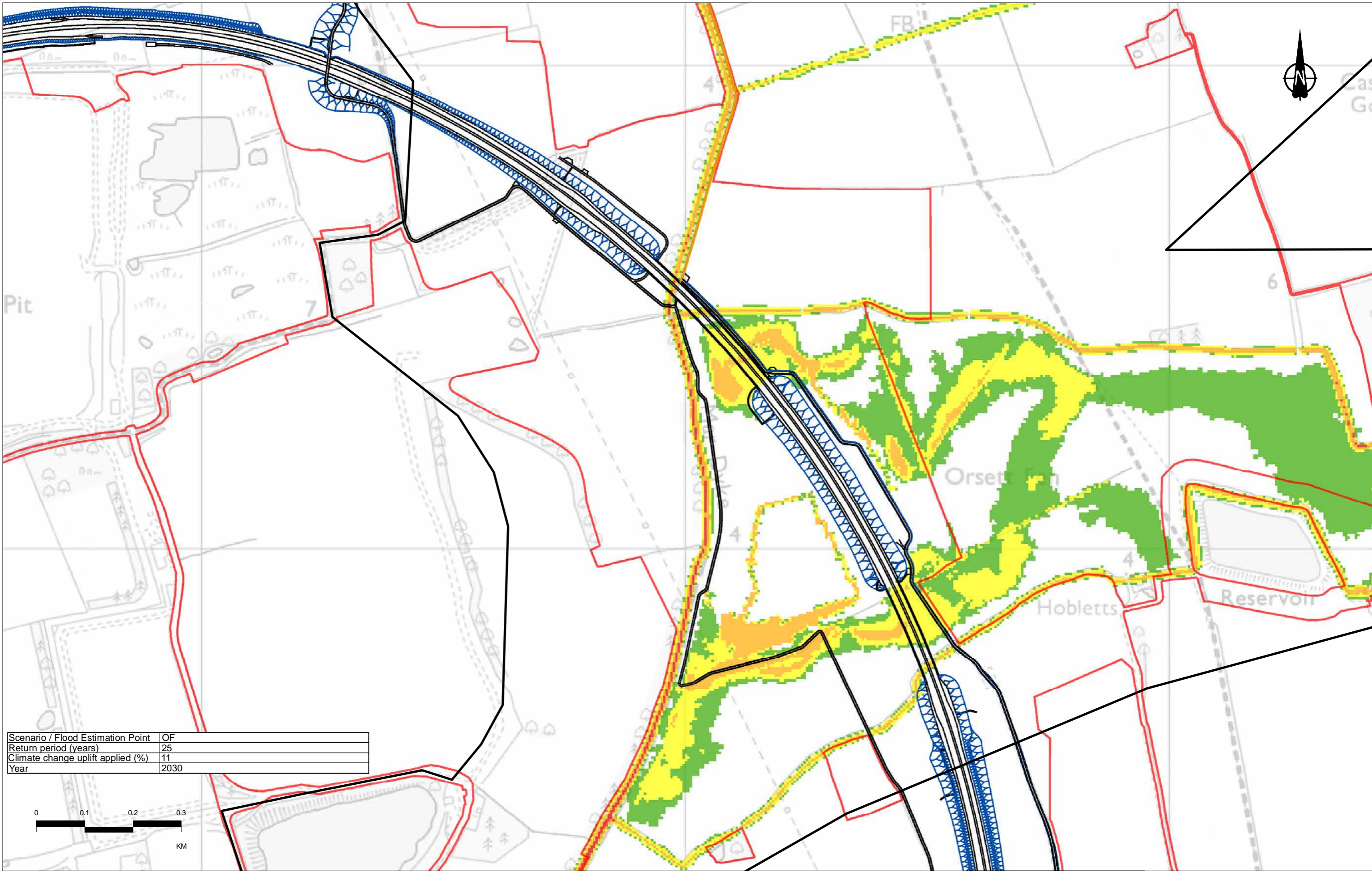
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



Client: **national highways**

Project: **LOWER THAMES CROSSING**

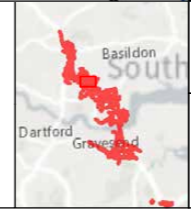
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 9 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00498				



Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 10 of 38		
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00499		

**Legend**

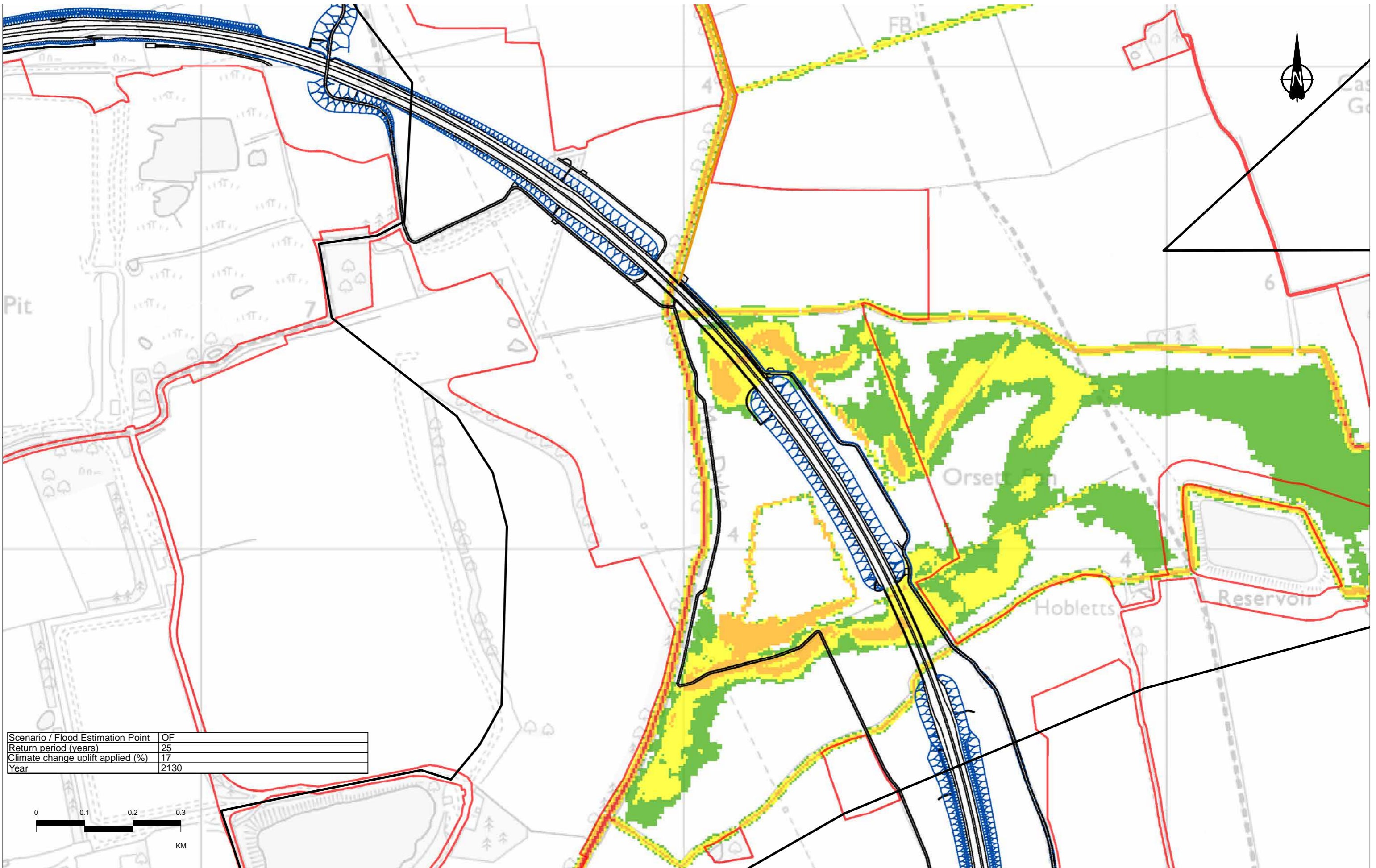
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



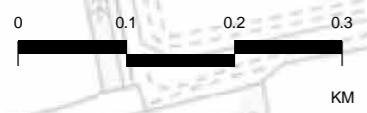
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3				
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 10 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00499				



Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	17
Year	2130

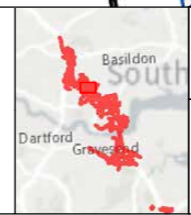


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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

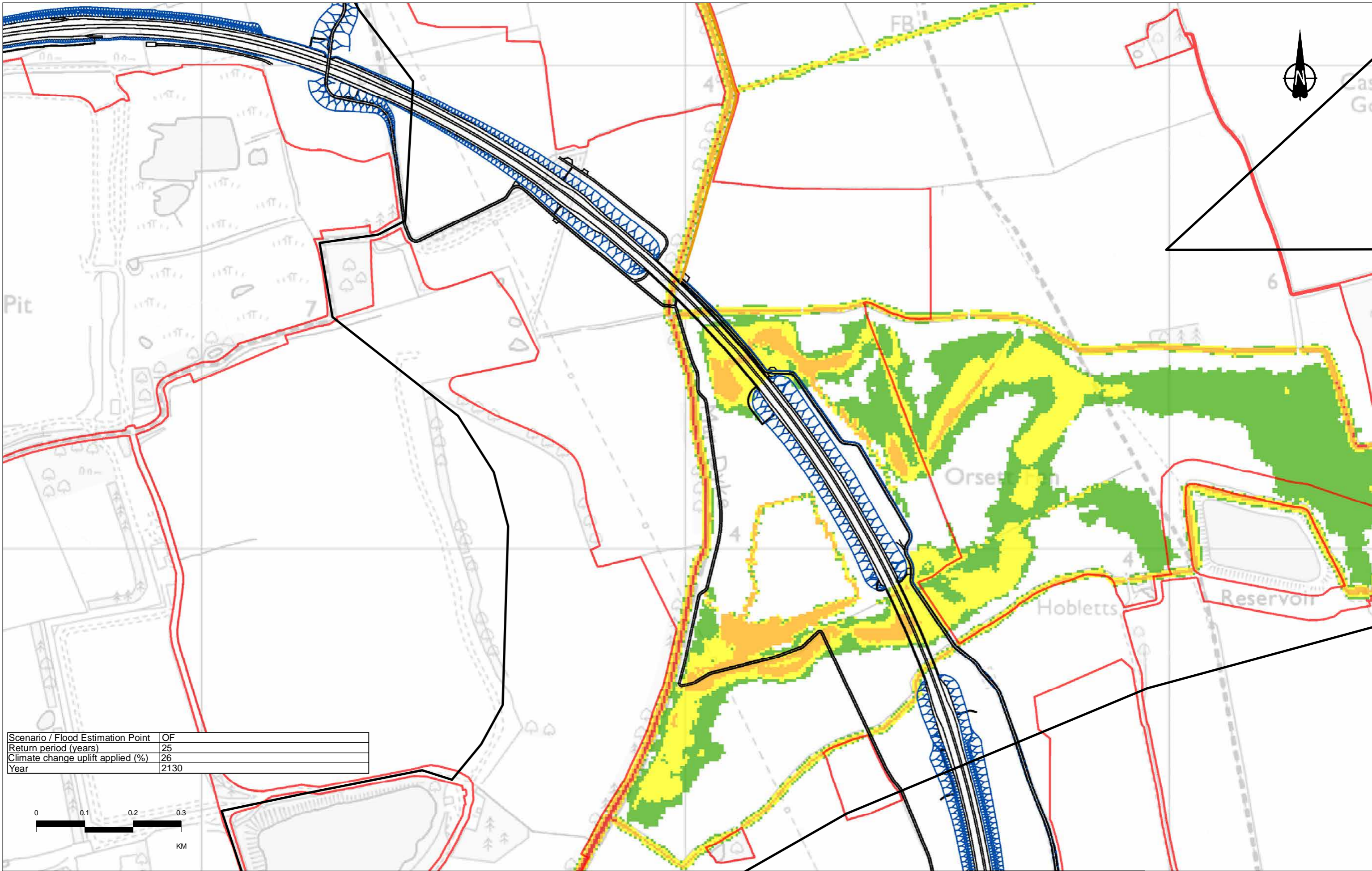
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



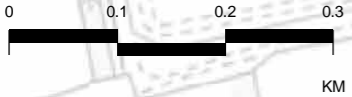
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 11 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00500				



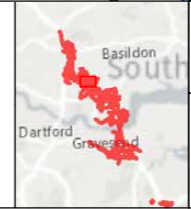
Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

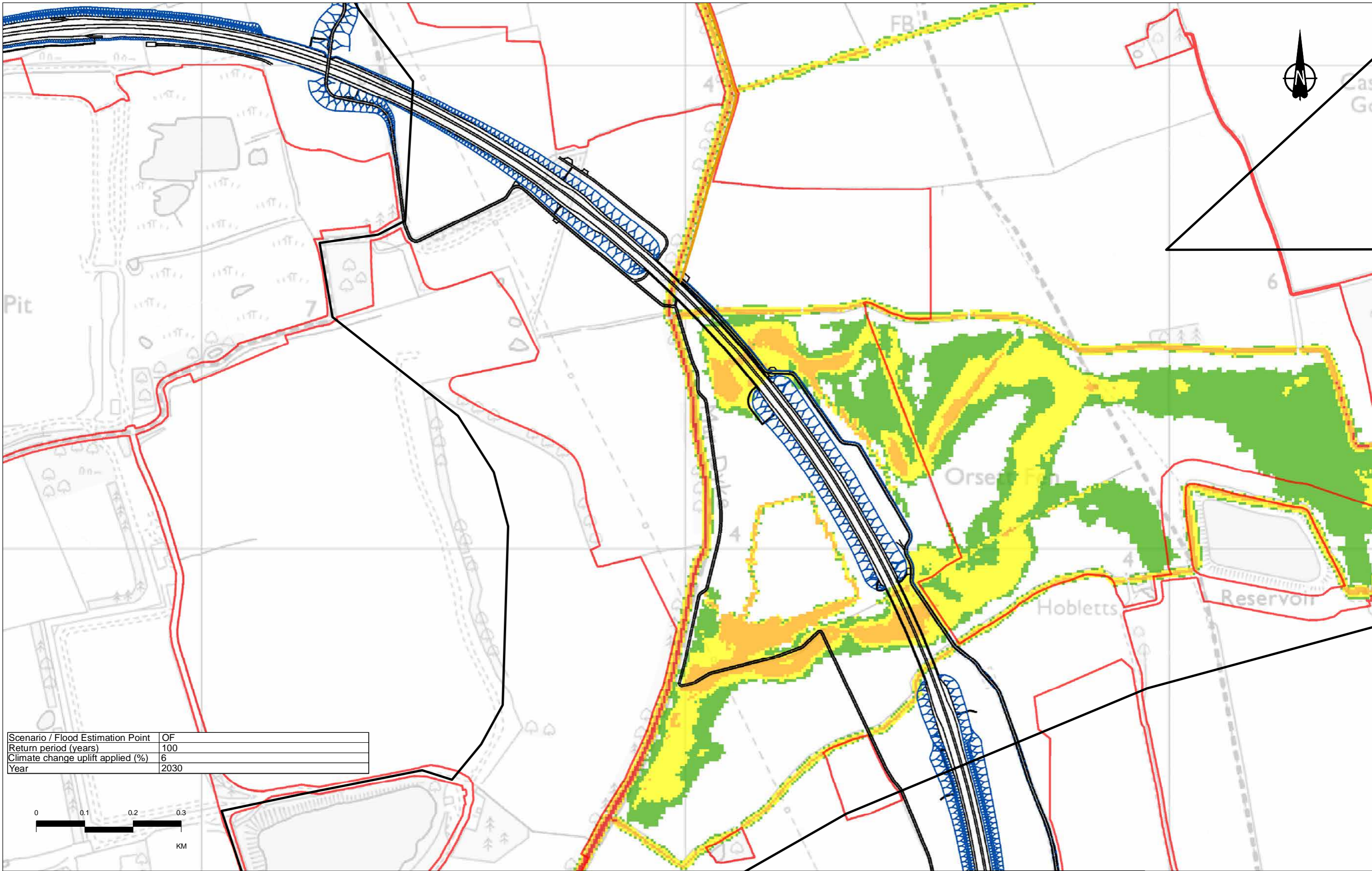
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



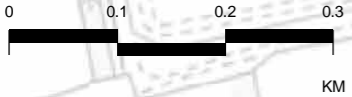
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 12 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00501				



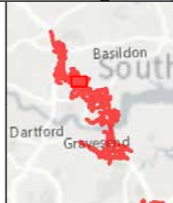
Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	6
Year	2030



P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

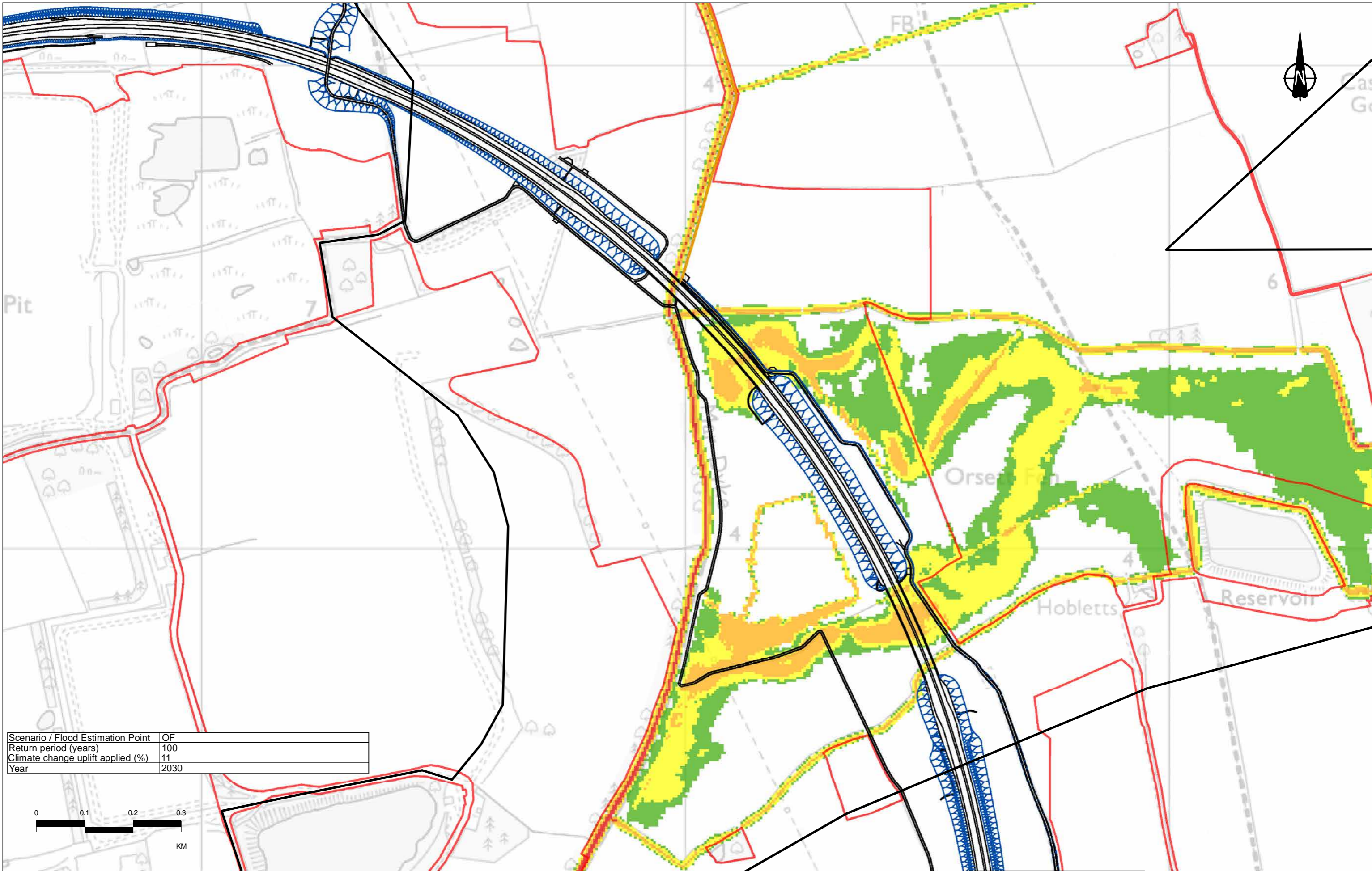
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



Client: **national highways**

Project: **LOWER THAMES CROSSING**

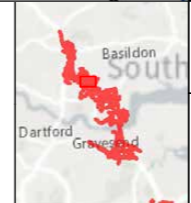
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 13 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00502				



COSSM	OS	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

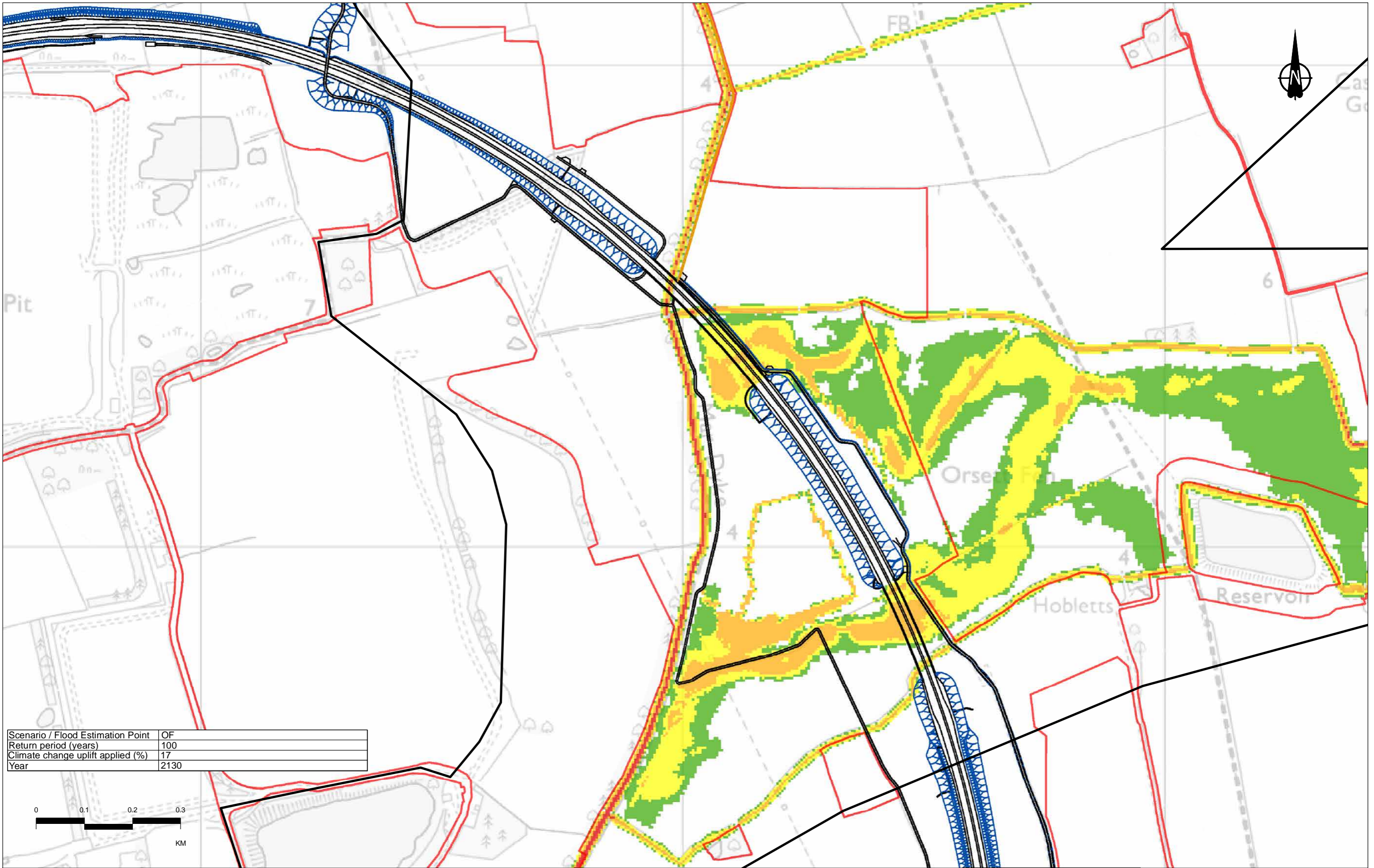
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



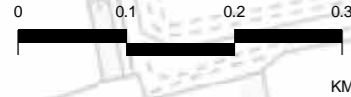
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 14 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00503				

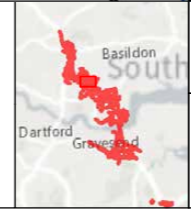


Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

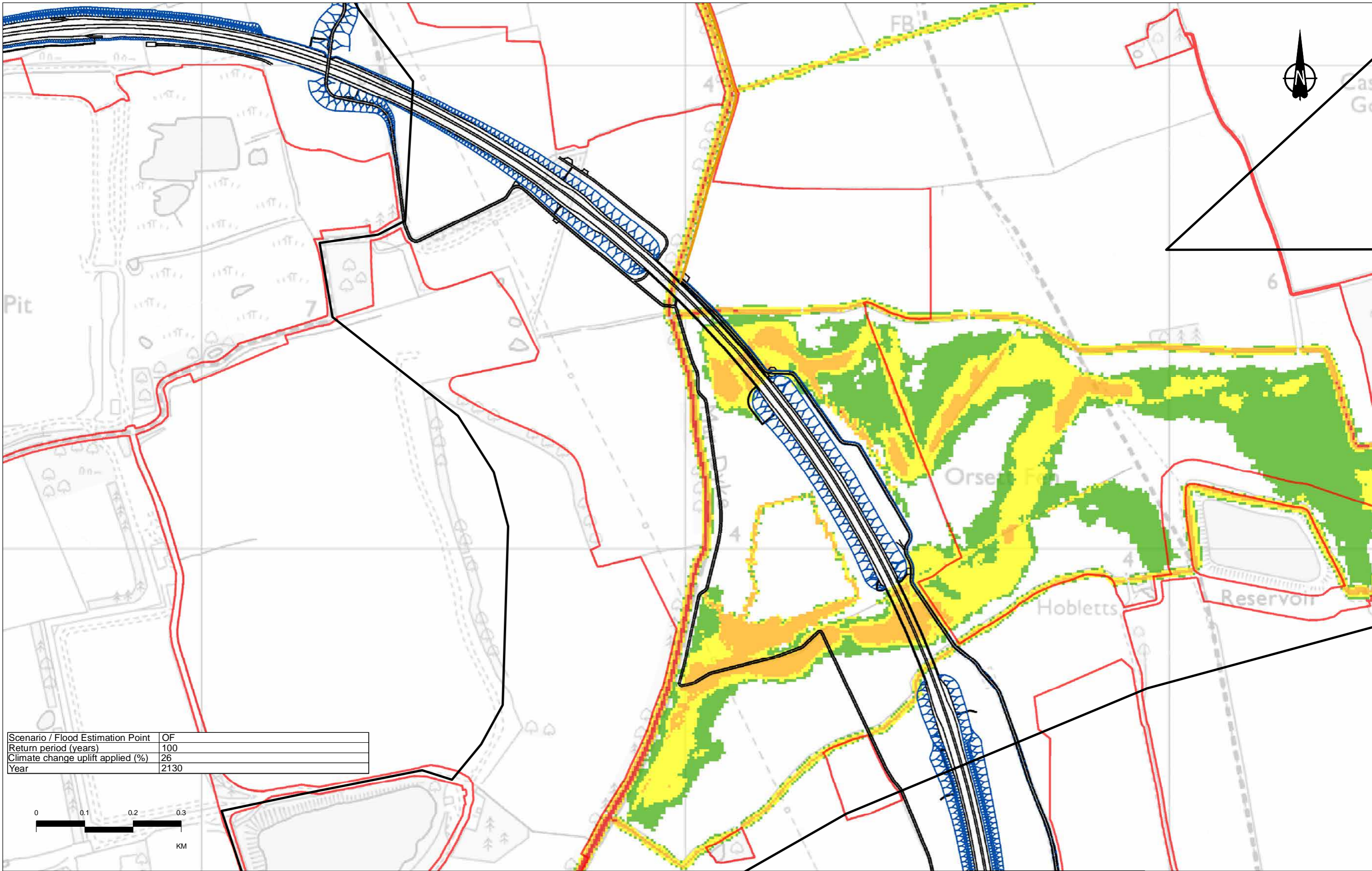
Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			Very low hazard
			Danger for some
			Danger for most
			Danger for all



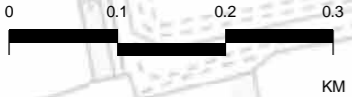
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 15 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00504				



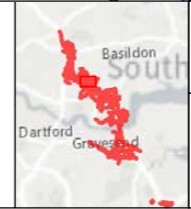
Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all

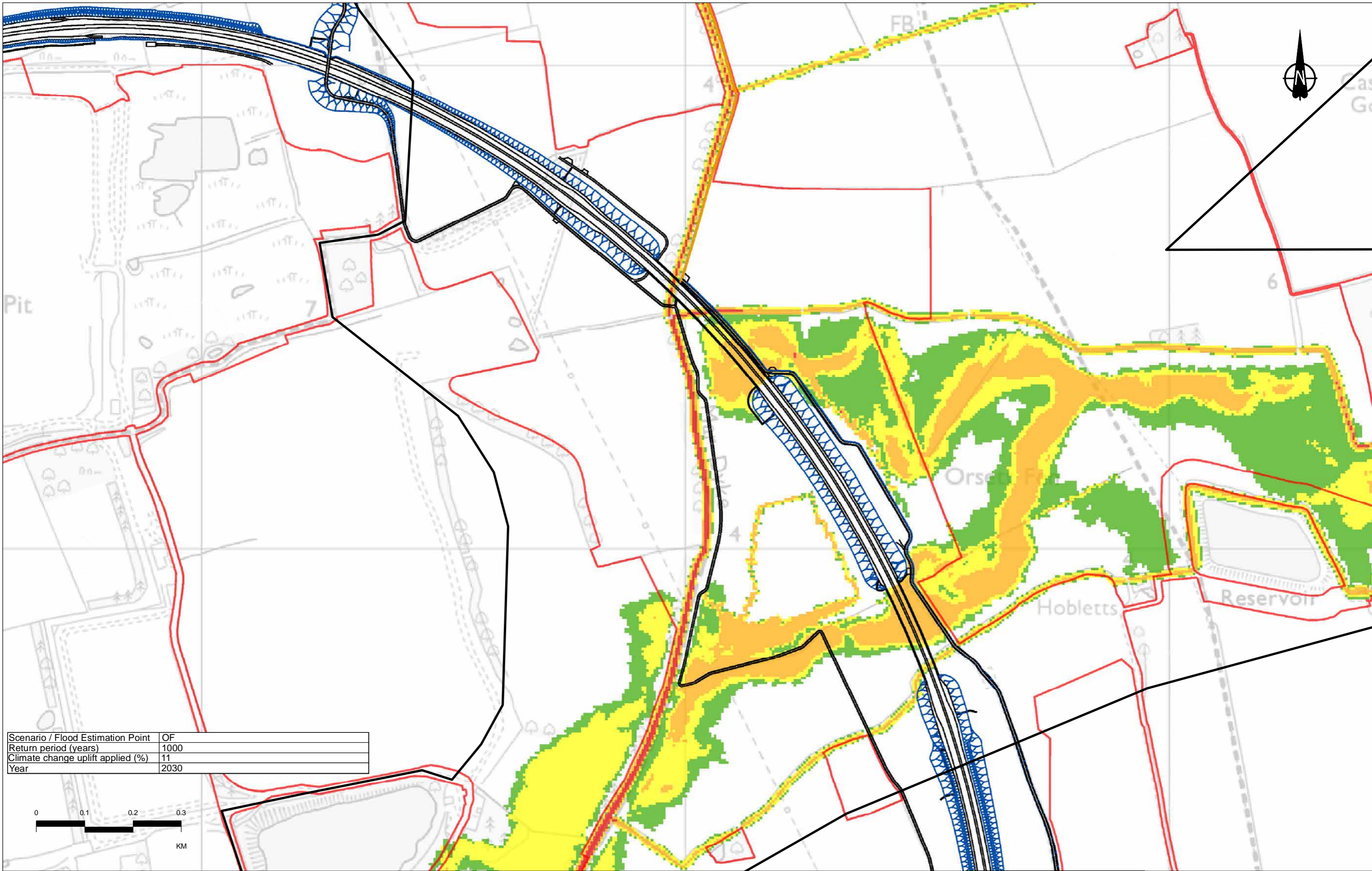


Client: **national highways**

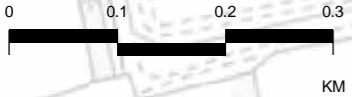
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 16 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00505				





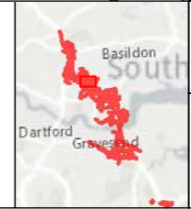
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

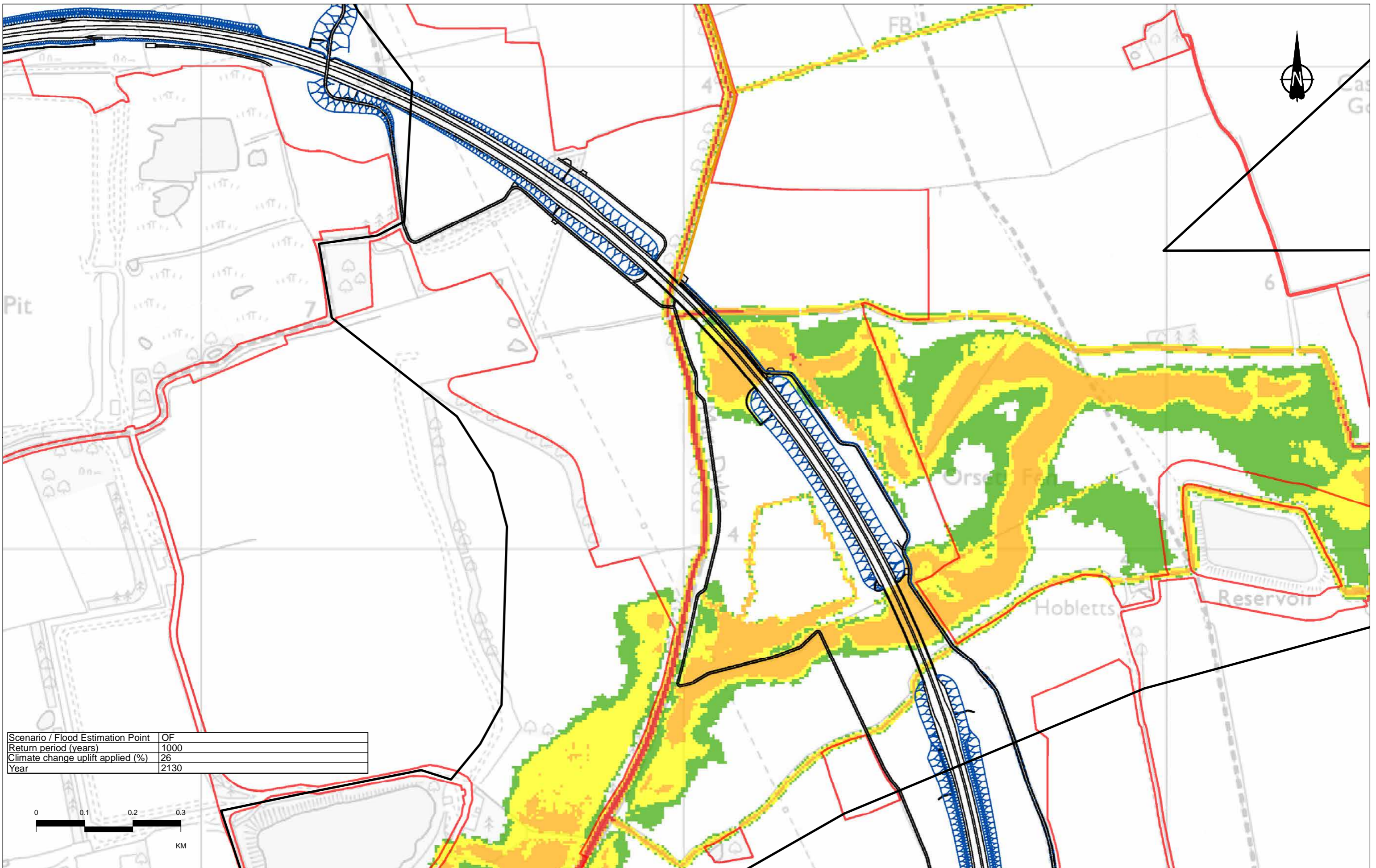
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



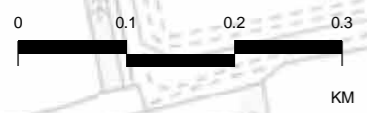
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 17 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00506				



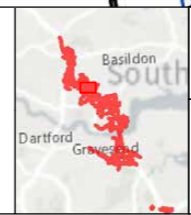
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

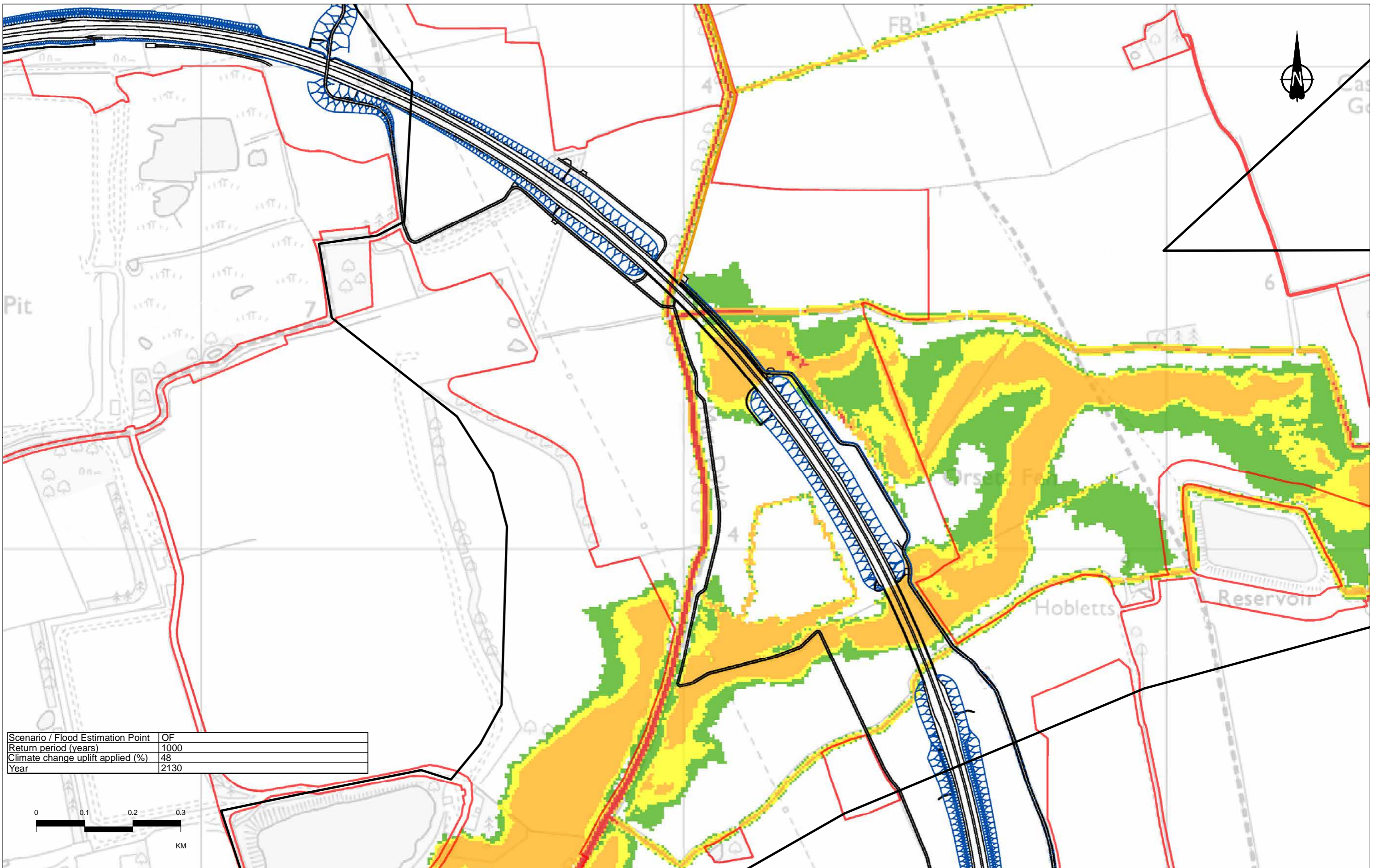
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



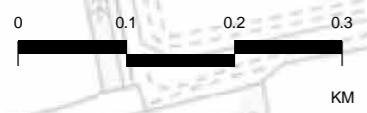
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 18 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00507				



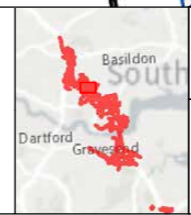
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	48
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

**Legend**

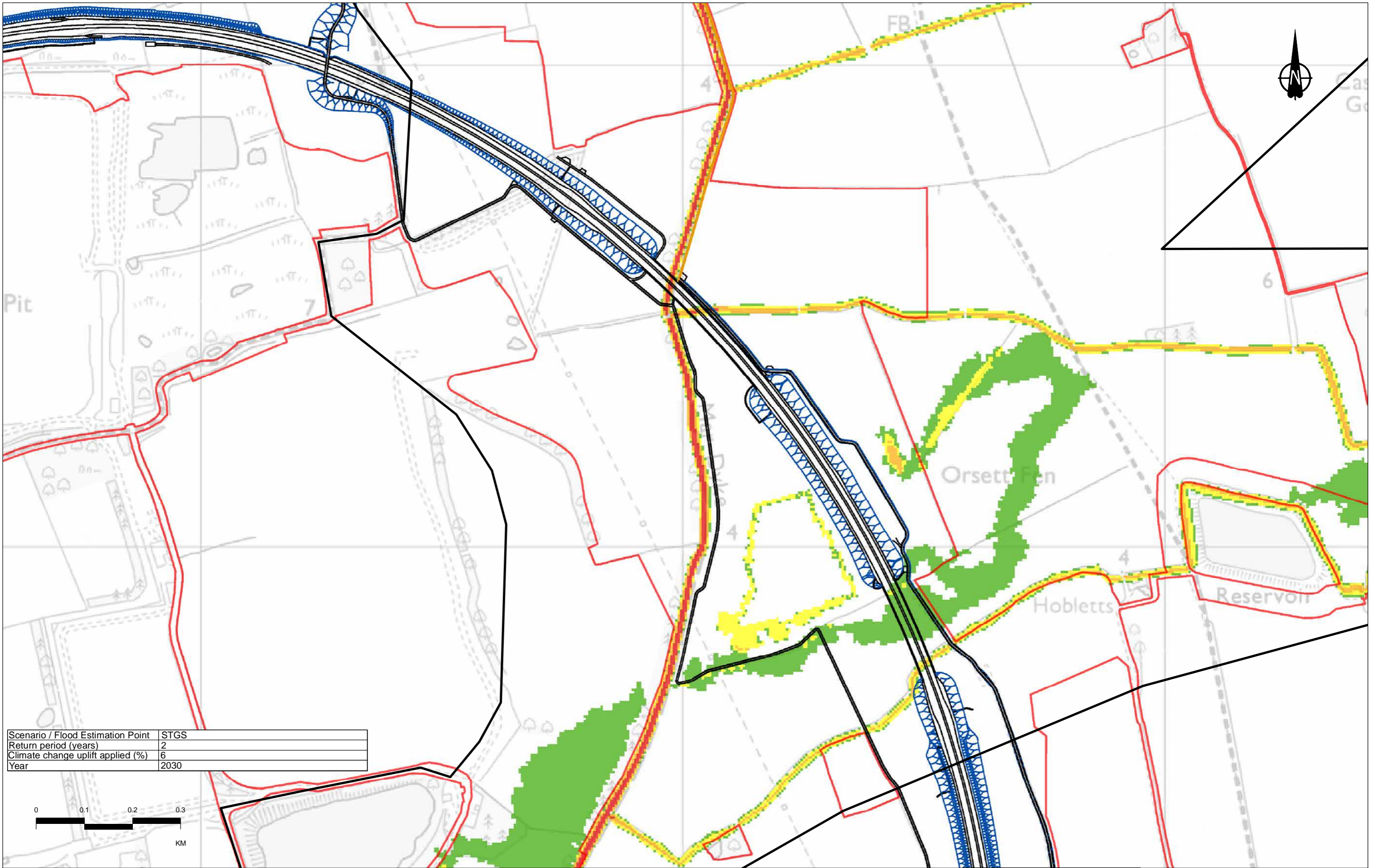
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



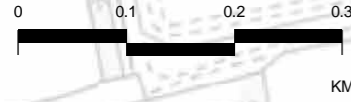
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 19 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00508				



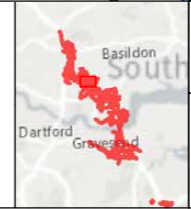
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

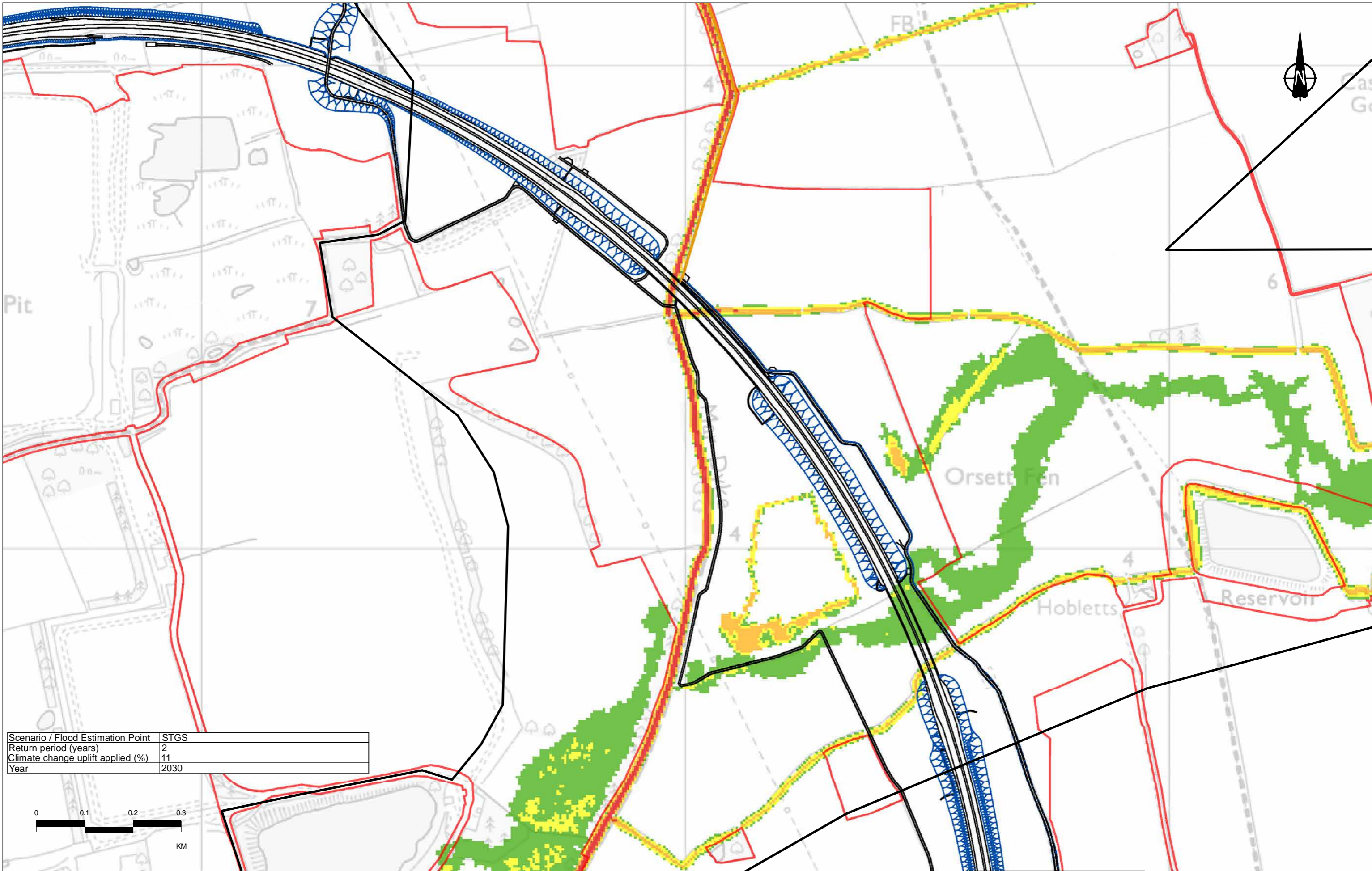
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



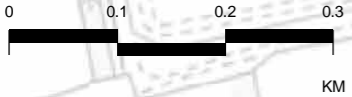
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 20 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00509				



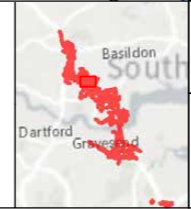
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

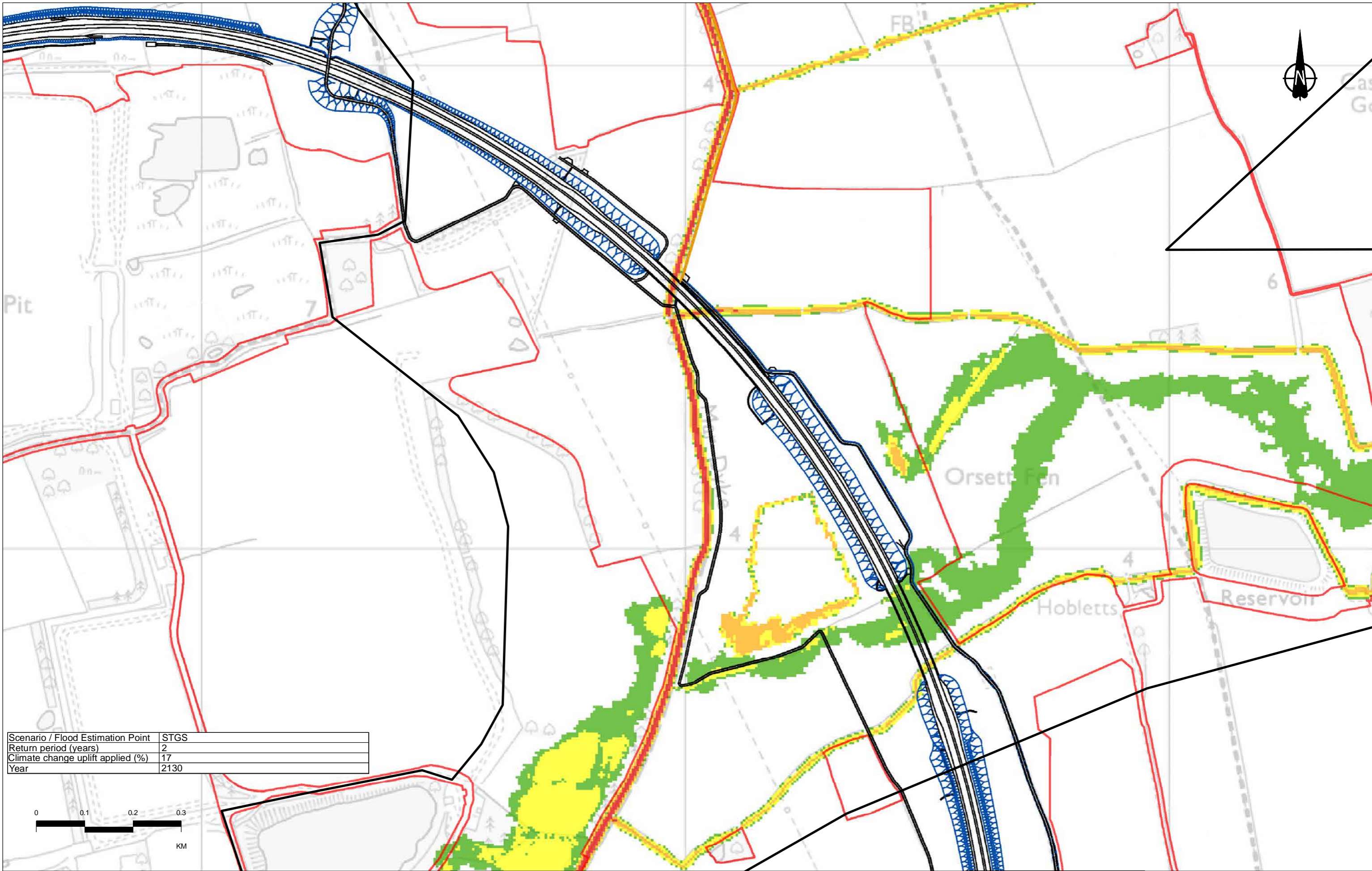
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



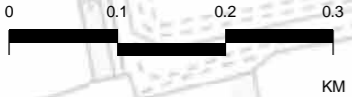
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 21 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00510				



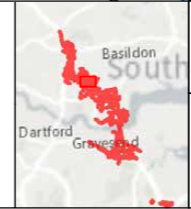
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

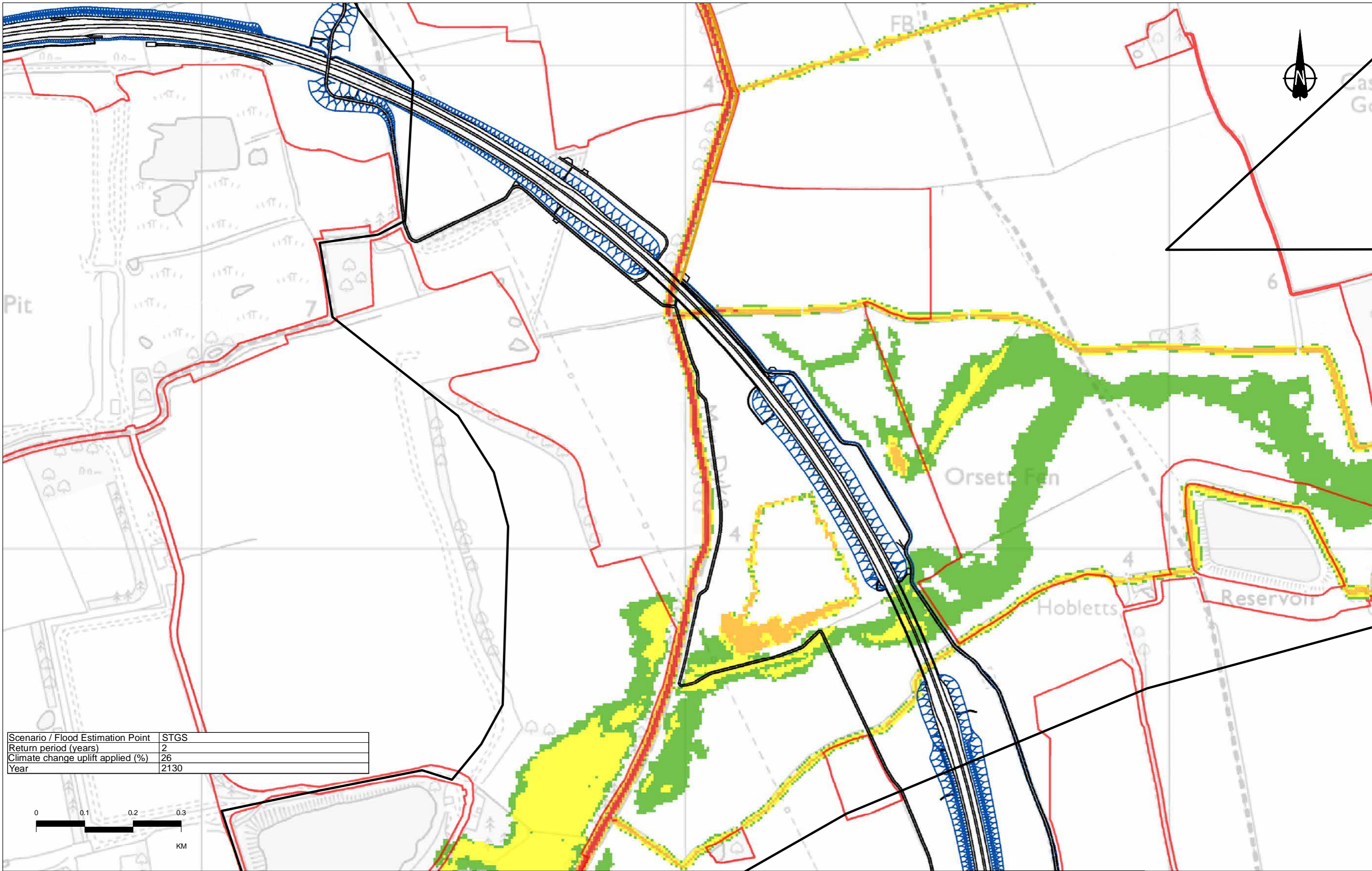
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



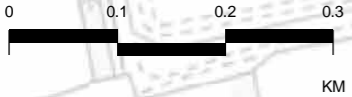
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 22 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00511				



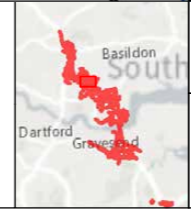
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

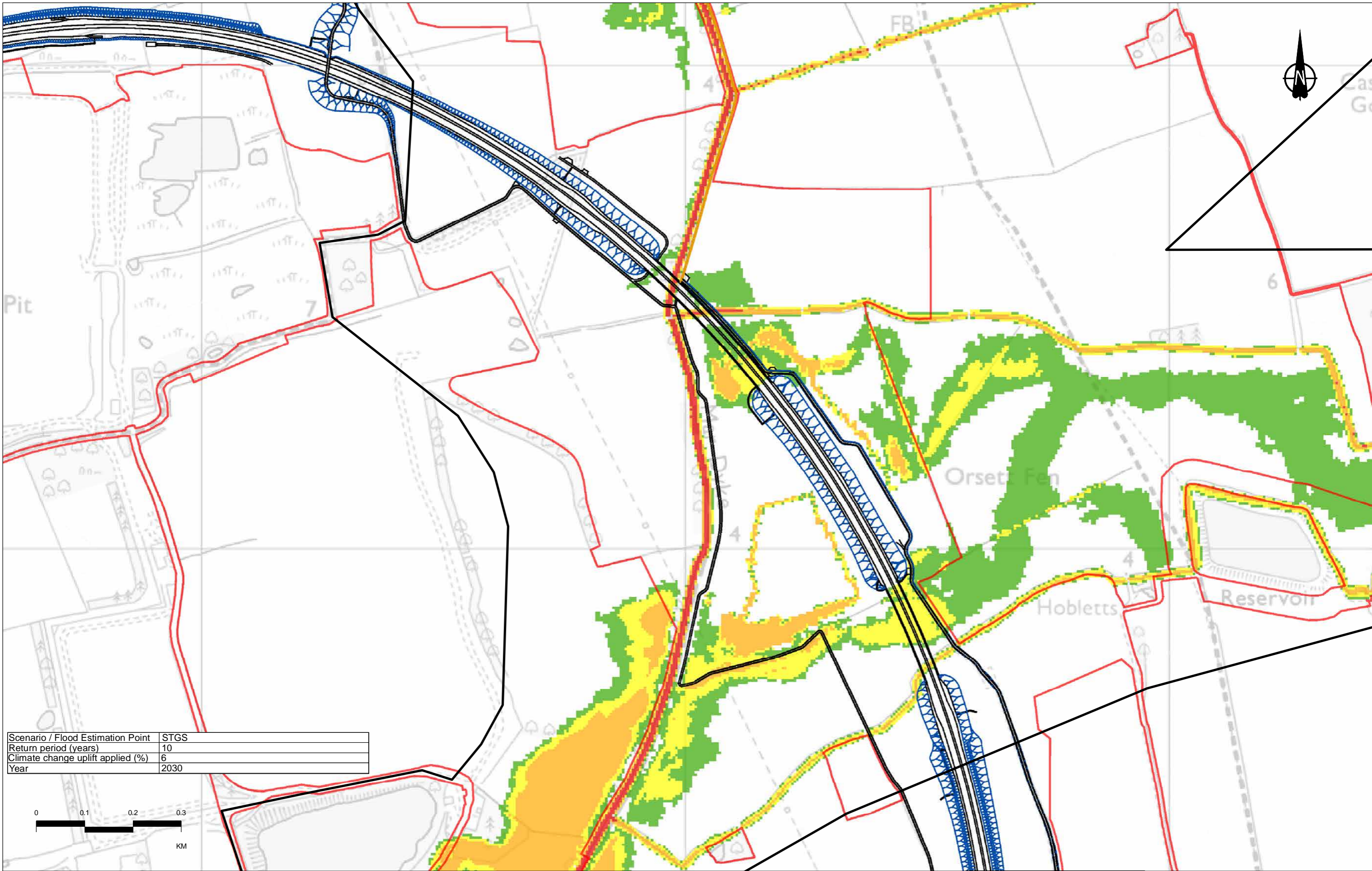
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



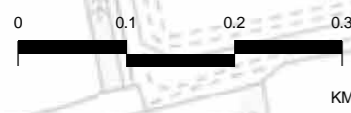
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 23 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00512				

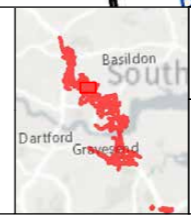


Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	6
Year	2030



P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

Legend		Proposed LTC alignment	Maximum flood hazard category
	2D model extent		
	Order Limits		

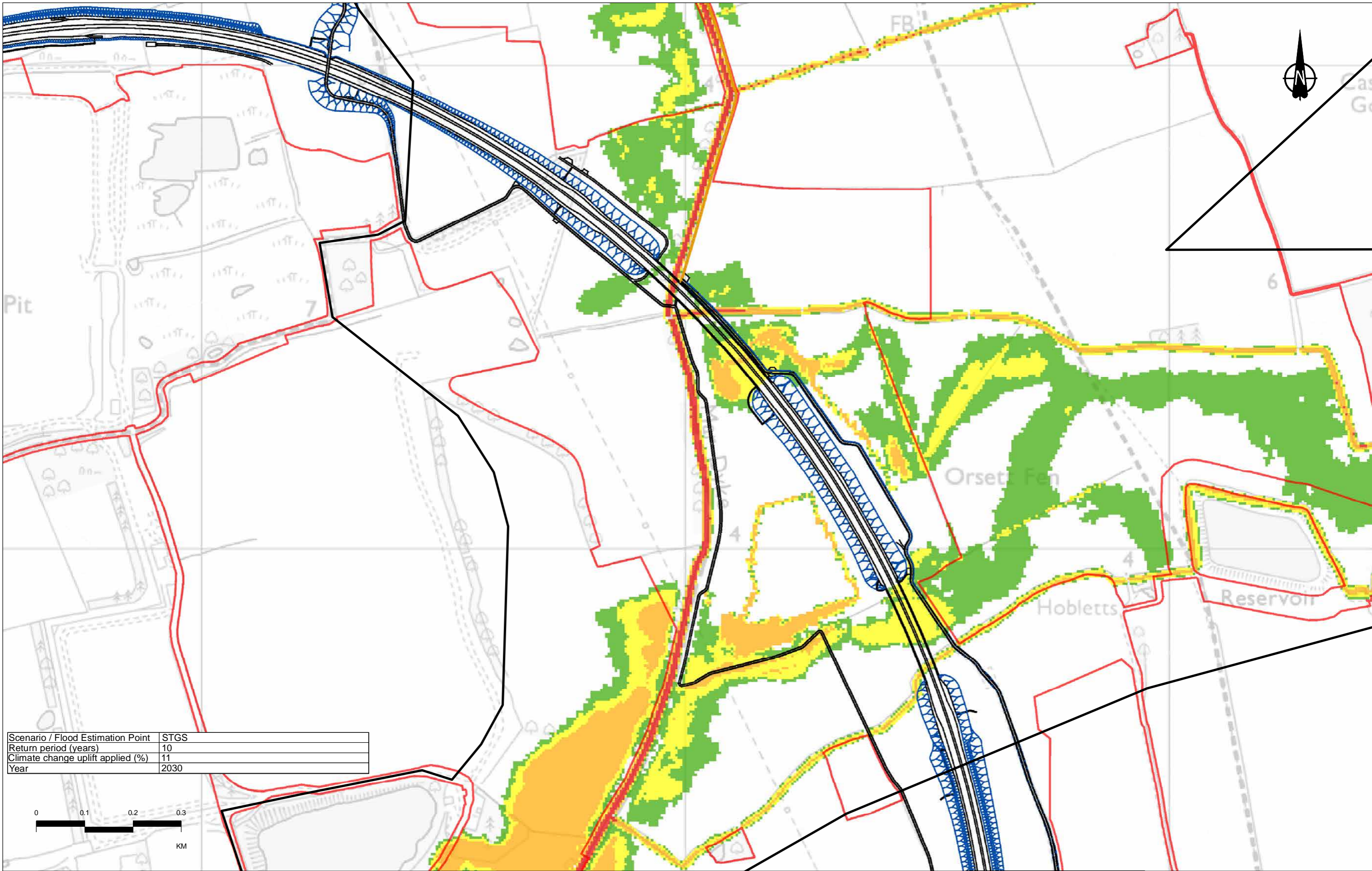


Client: national highways

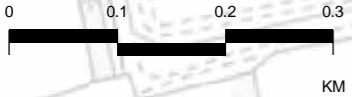
Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 24 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00513				





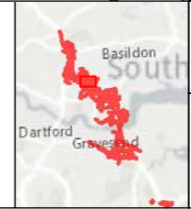
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

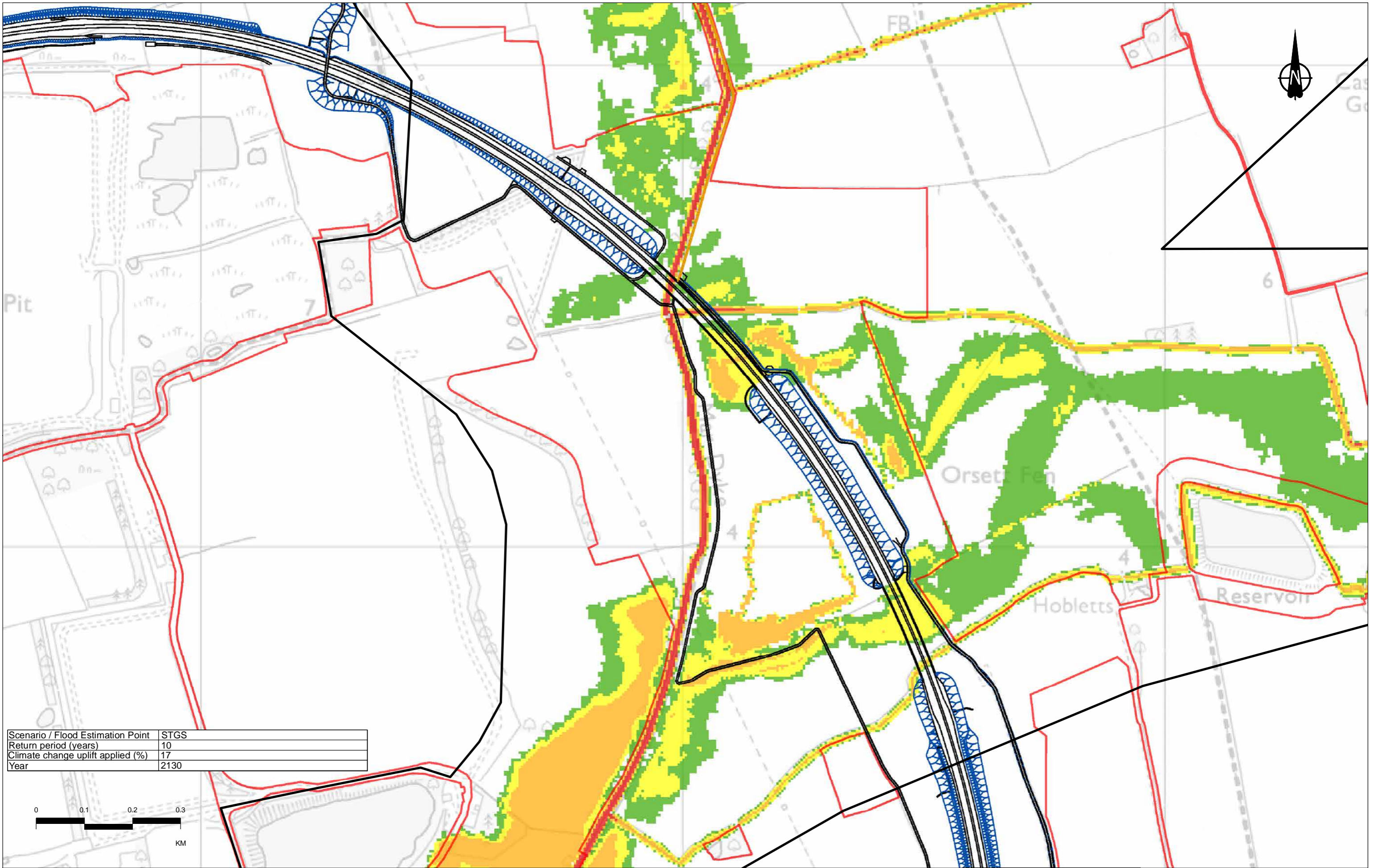
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



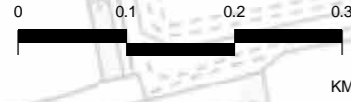
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 25 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00514				



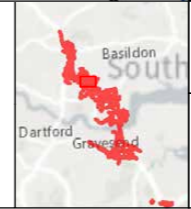
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	17
Year	2130



P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

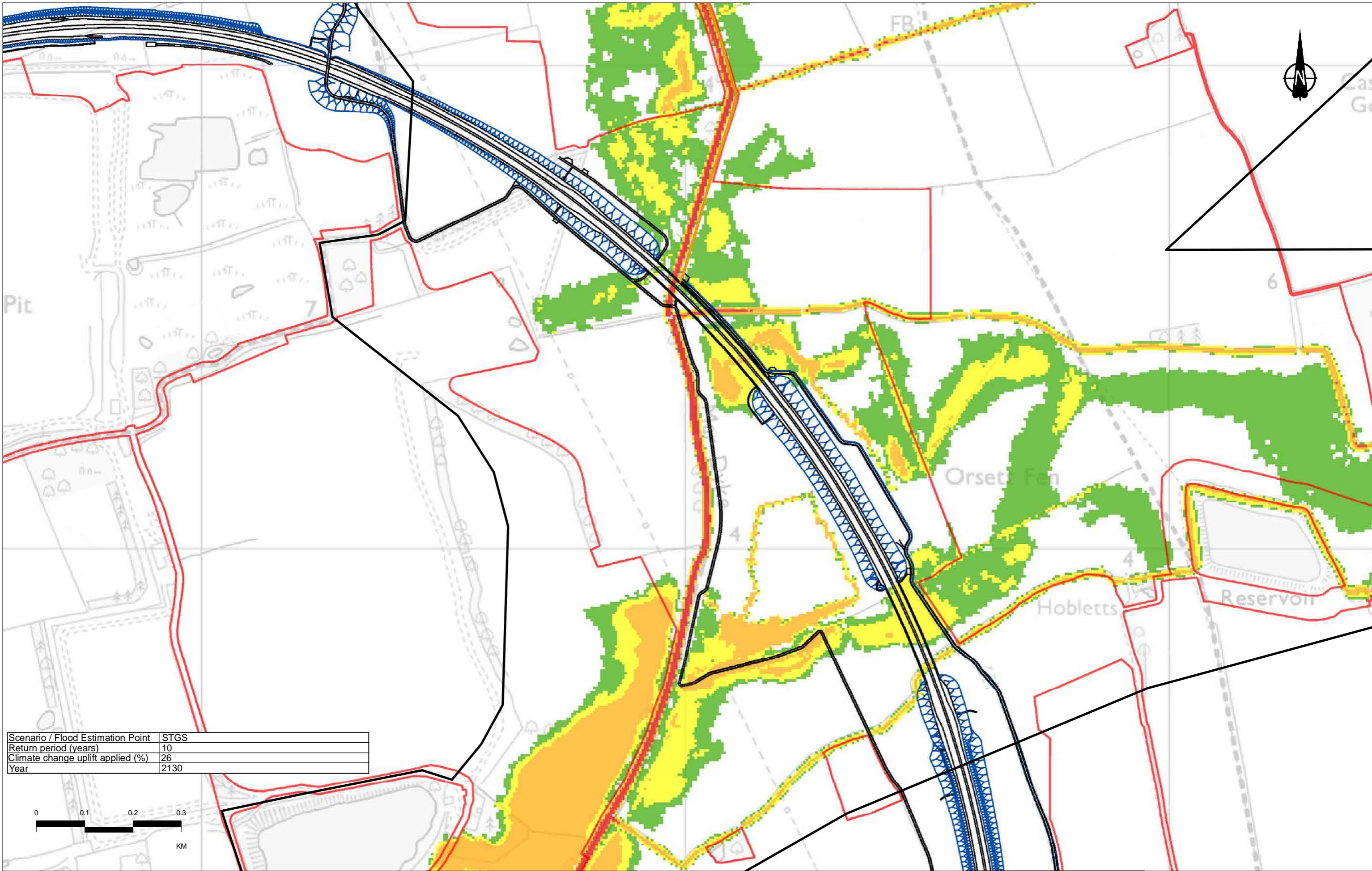
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



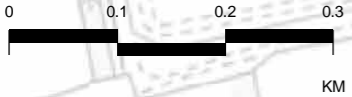
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 26 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00515				



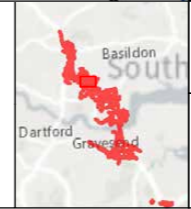
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

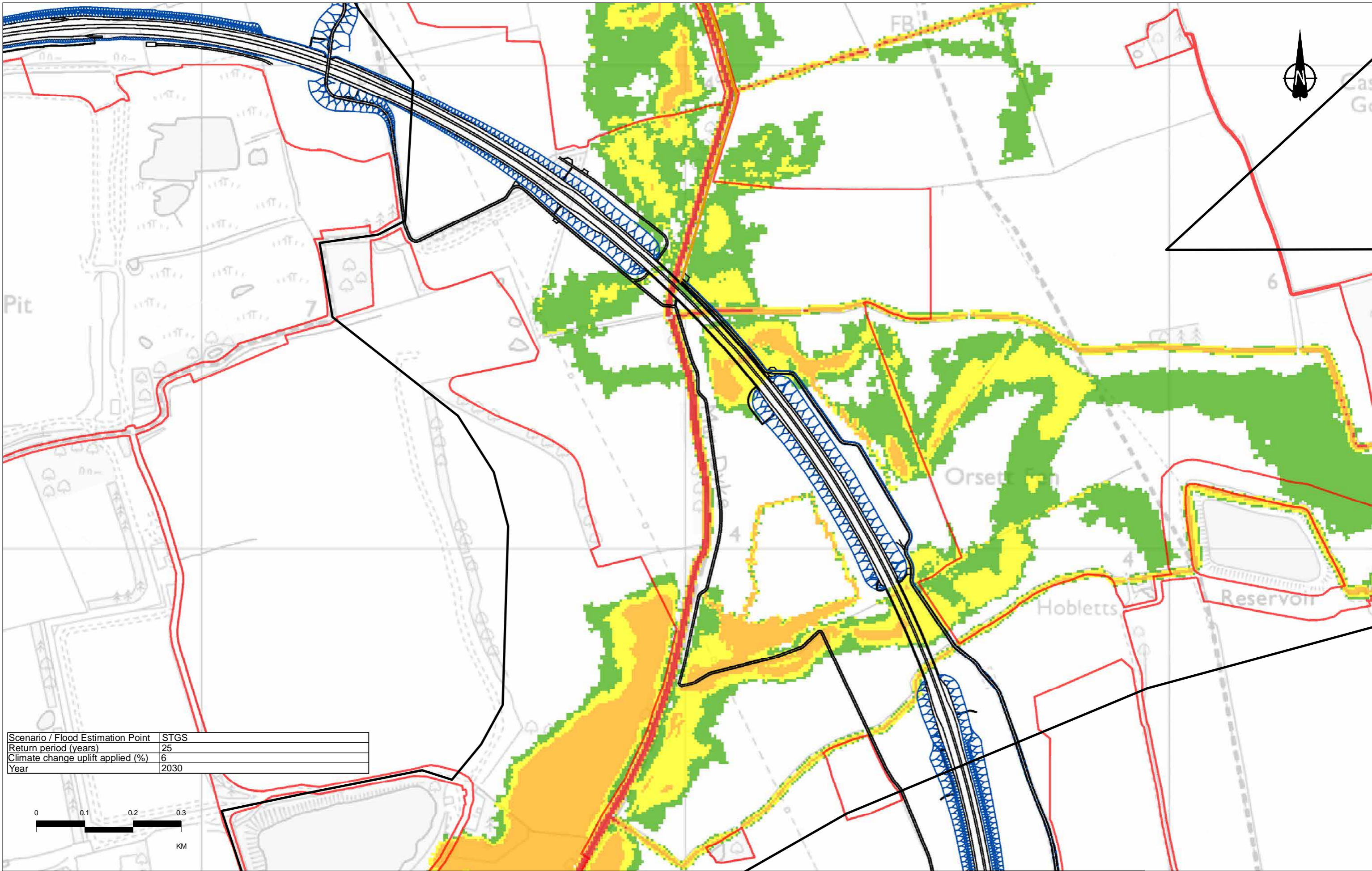
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



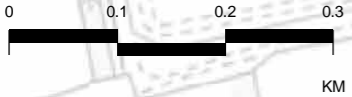
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 27 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00516				



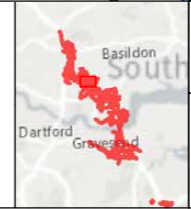
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

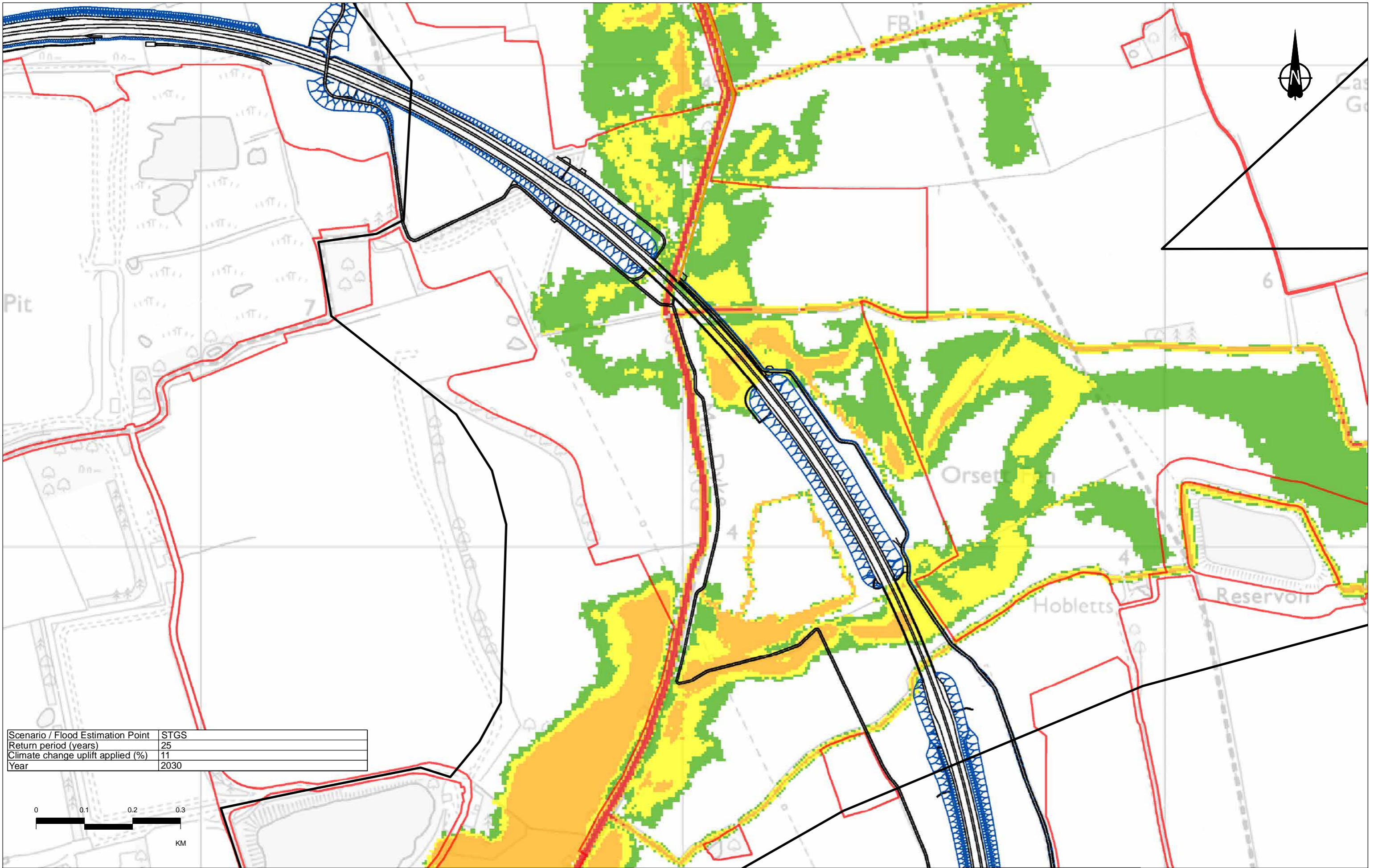
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



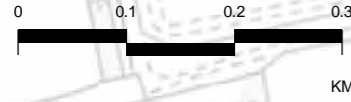
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 28 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00517				



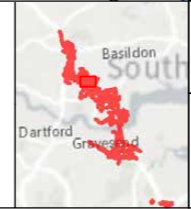
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

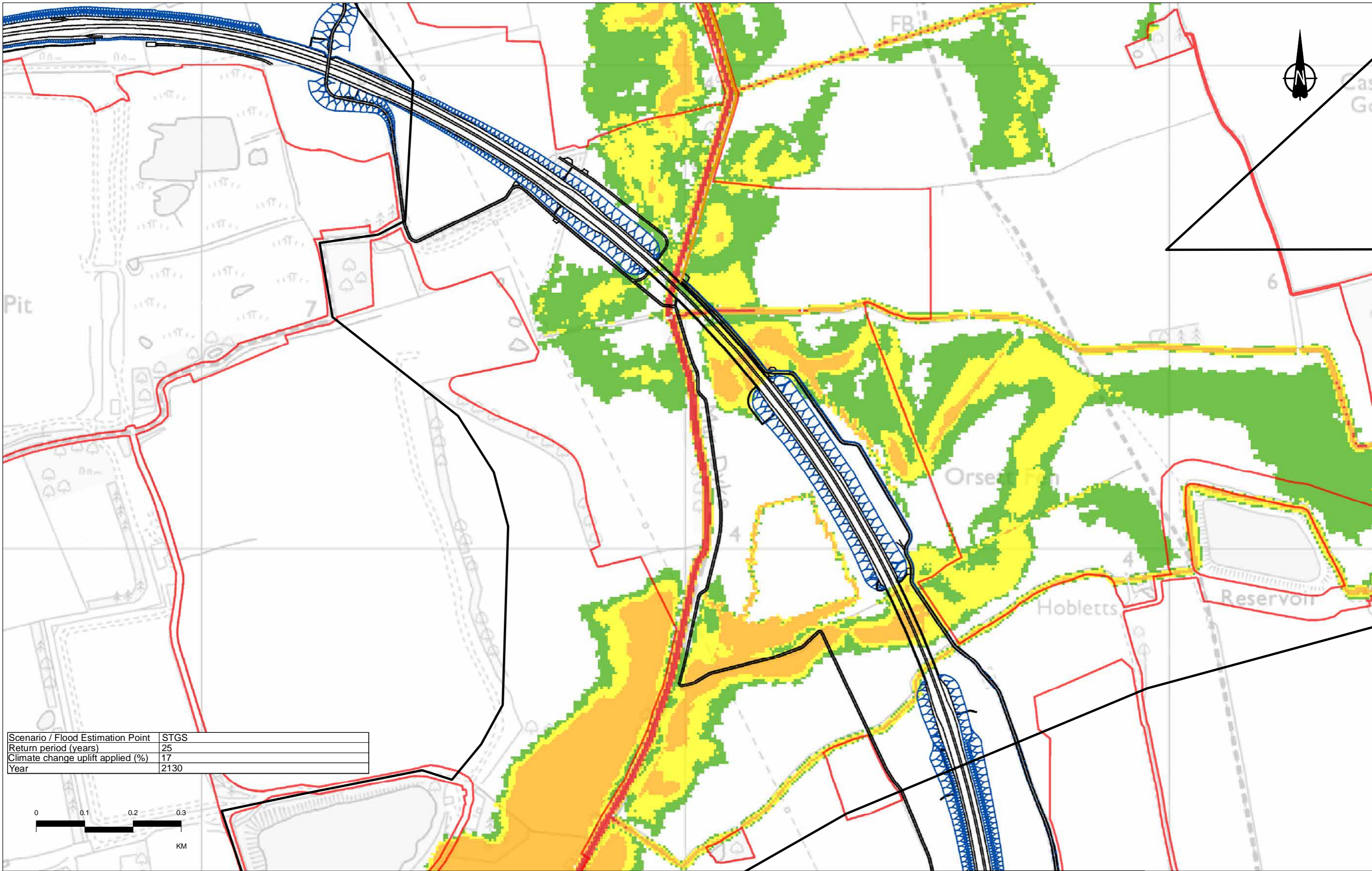
2D model extent	Proposed LTC alignment	<b>Maximum flood hazard category</b>
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



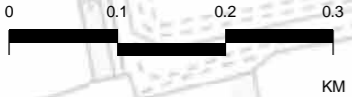
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 29 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00518				



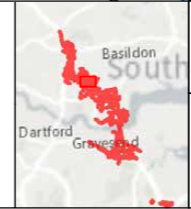
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

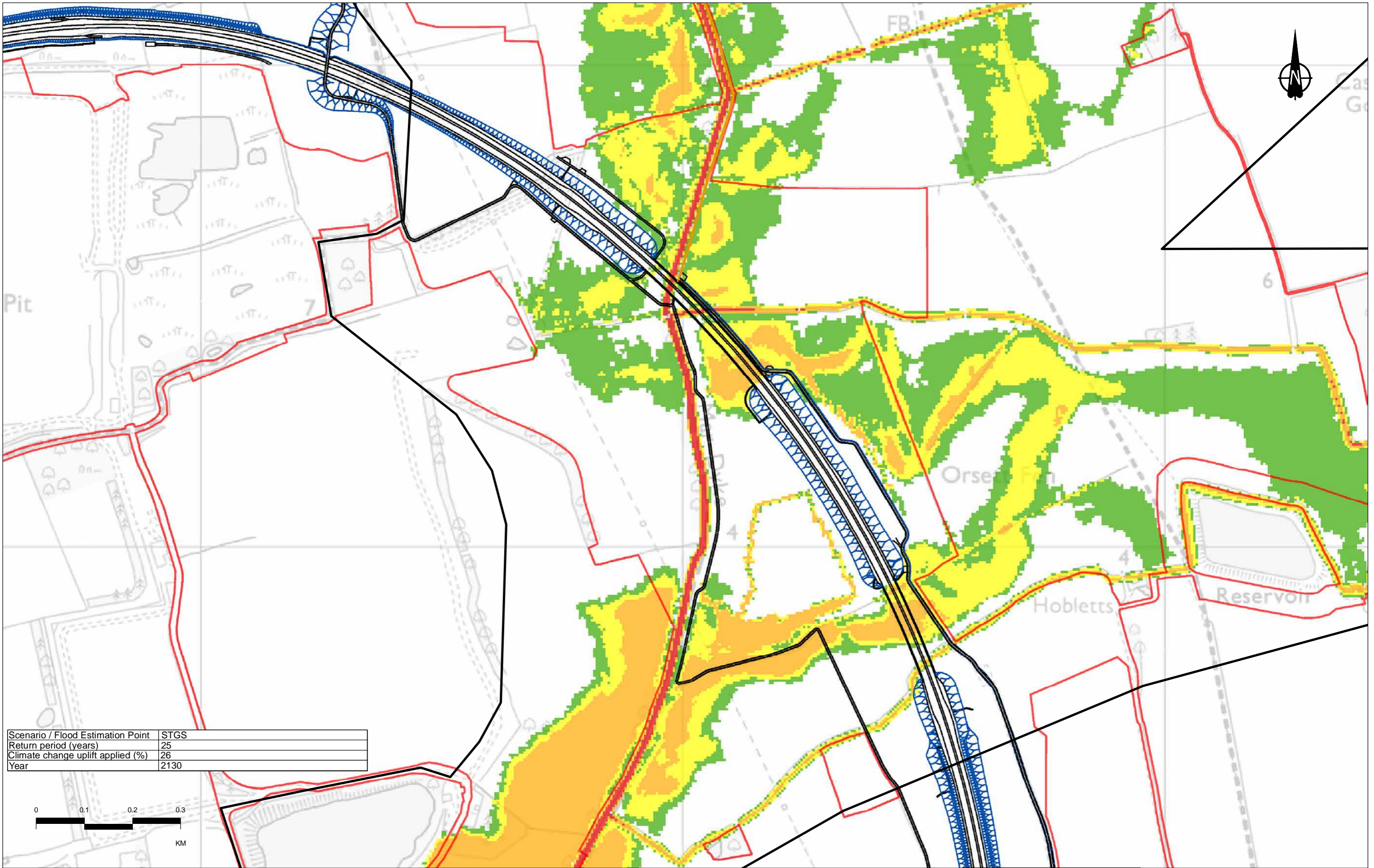
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



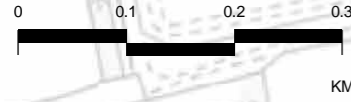
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 30 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00519				



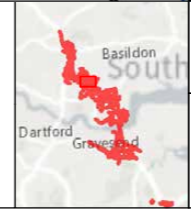
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

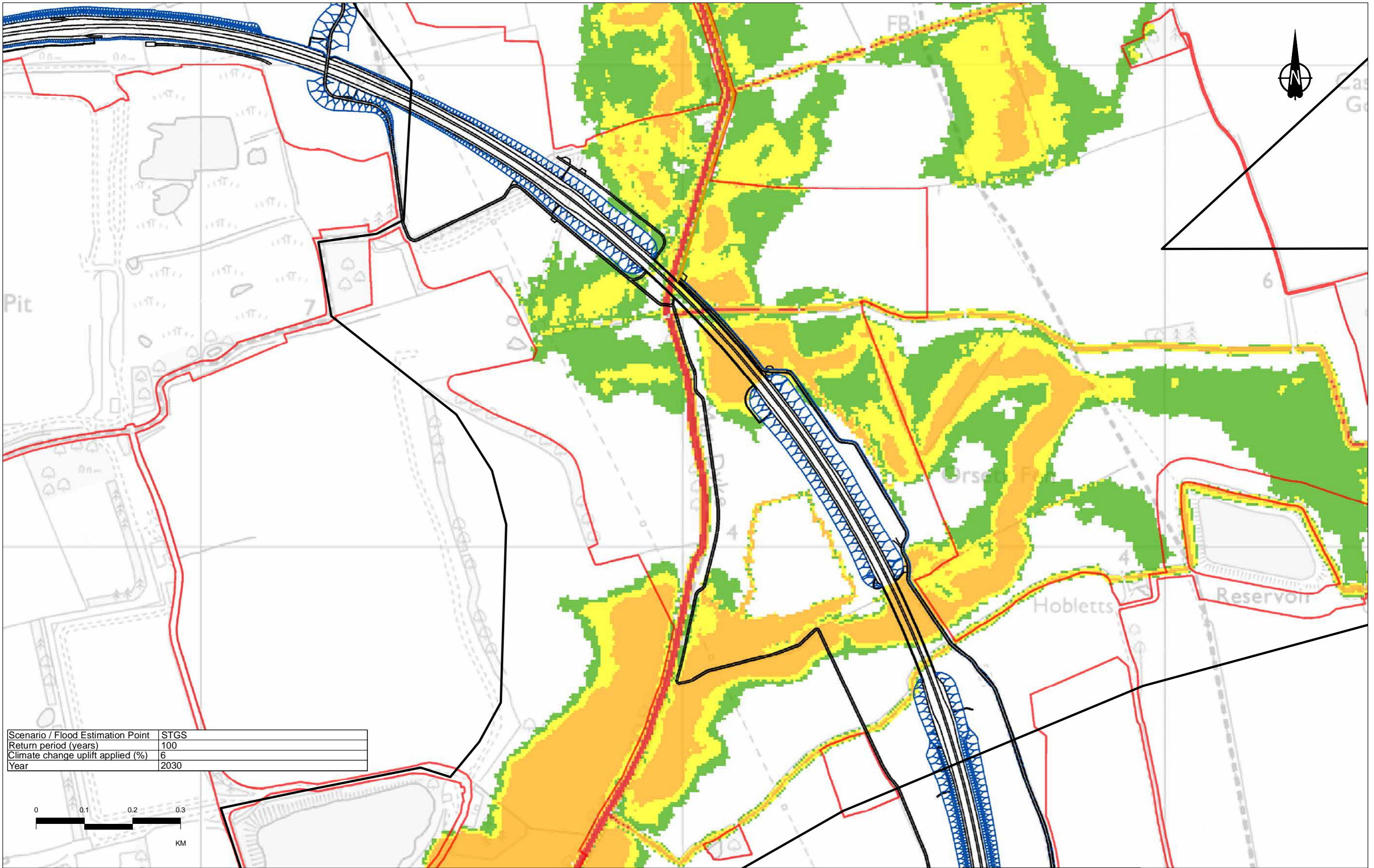
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



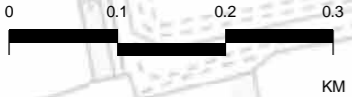
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 31 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00520				



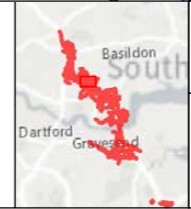
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all

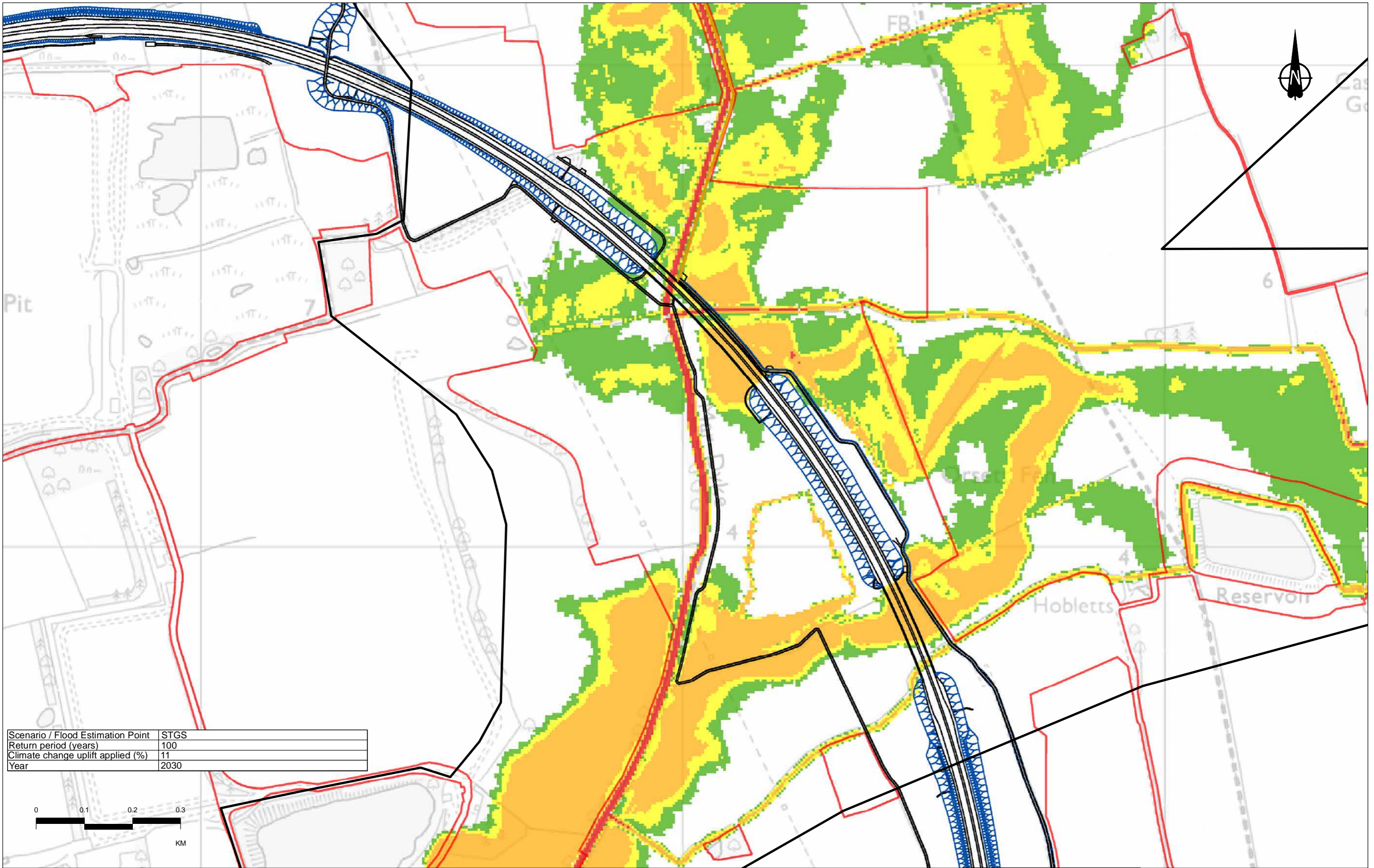


Client: **national highways**

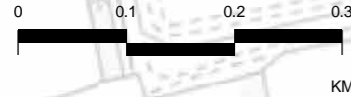
Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 32 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00521				





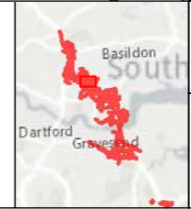
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

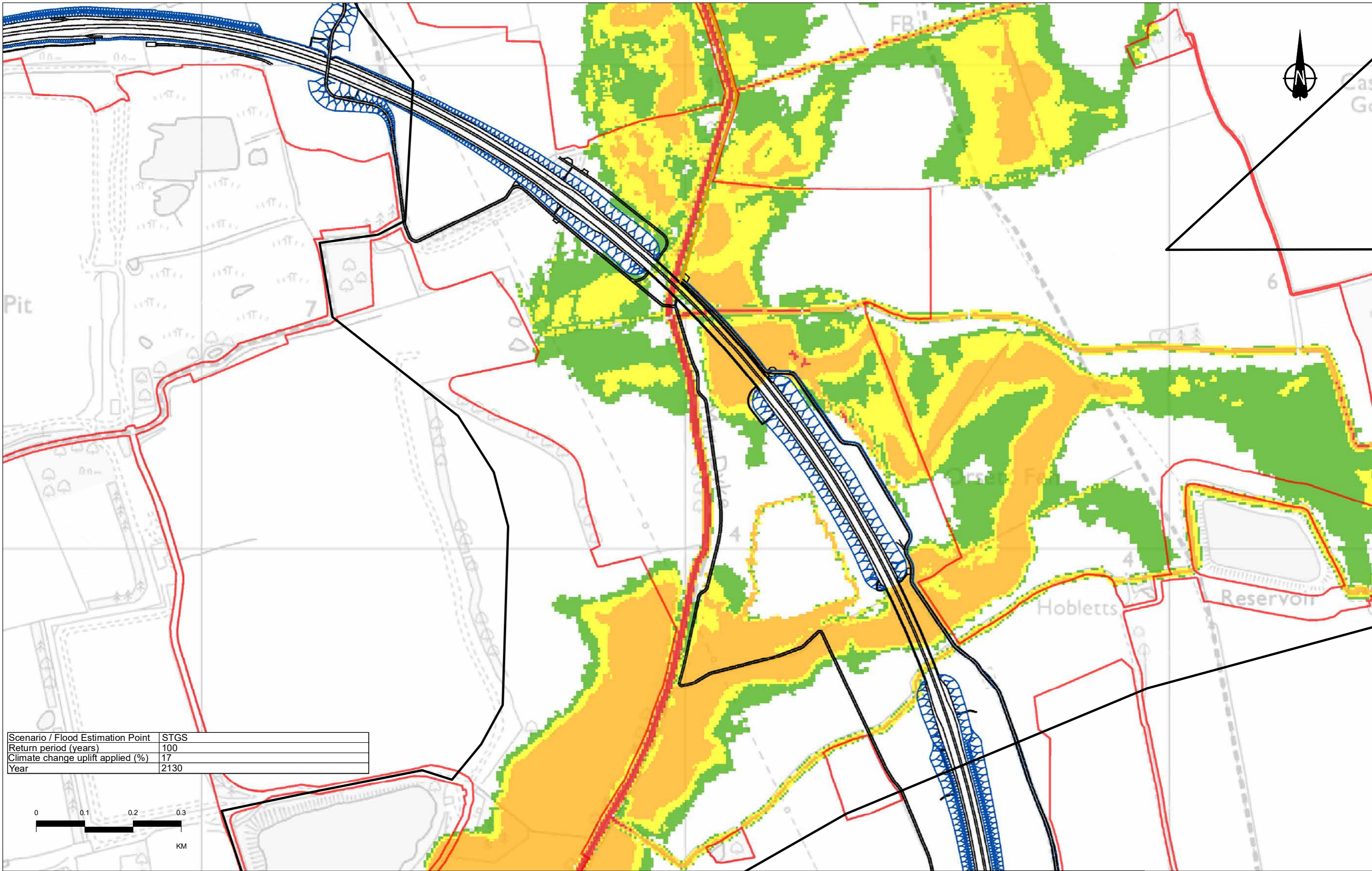
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



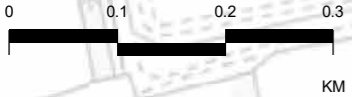
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 33 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00522				



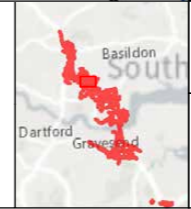
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

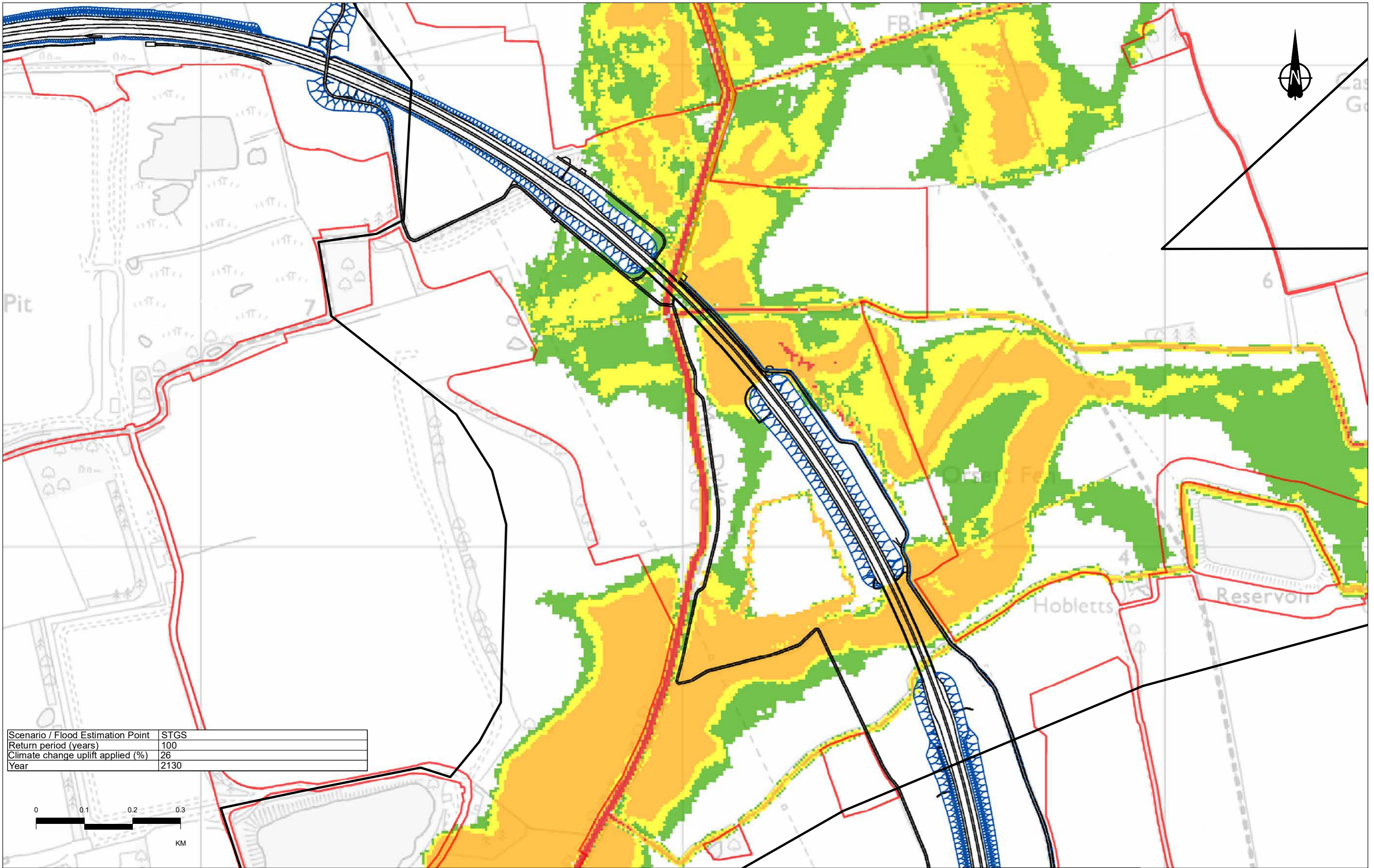
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



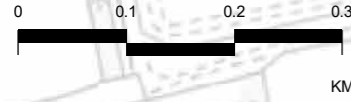
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 34 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00523				



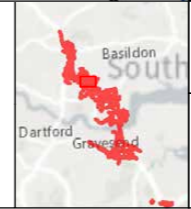
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

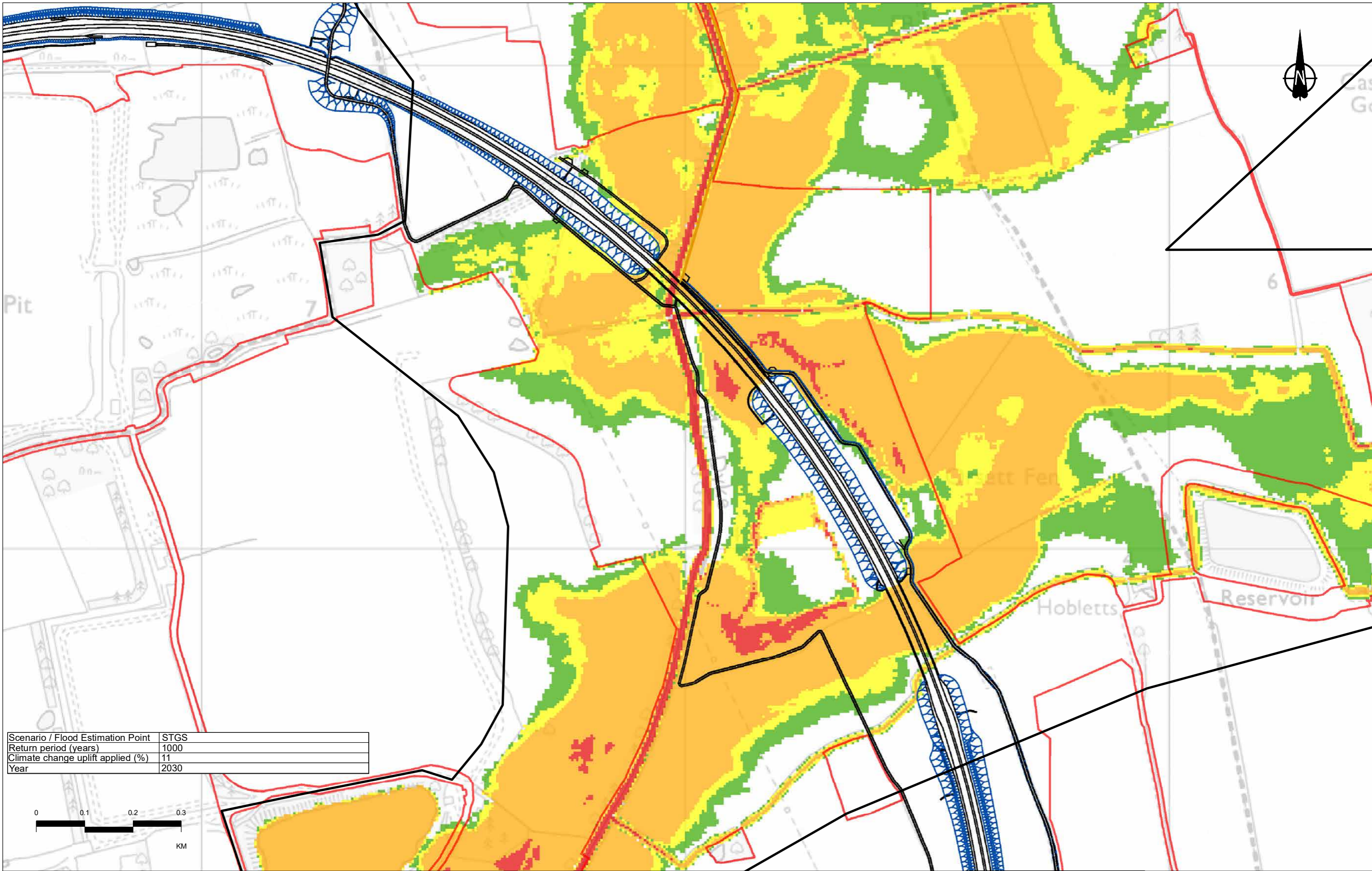
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Earthworks	Very low hazard
	NMU Routes	Danger for some
		Danger for most
		Danger for all



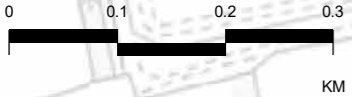
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 35 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00524				



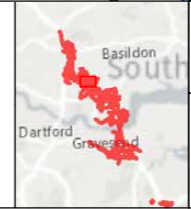
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

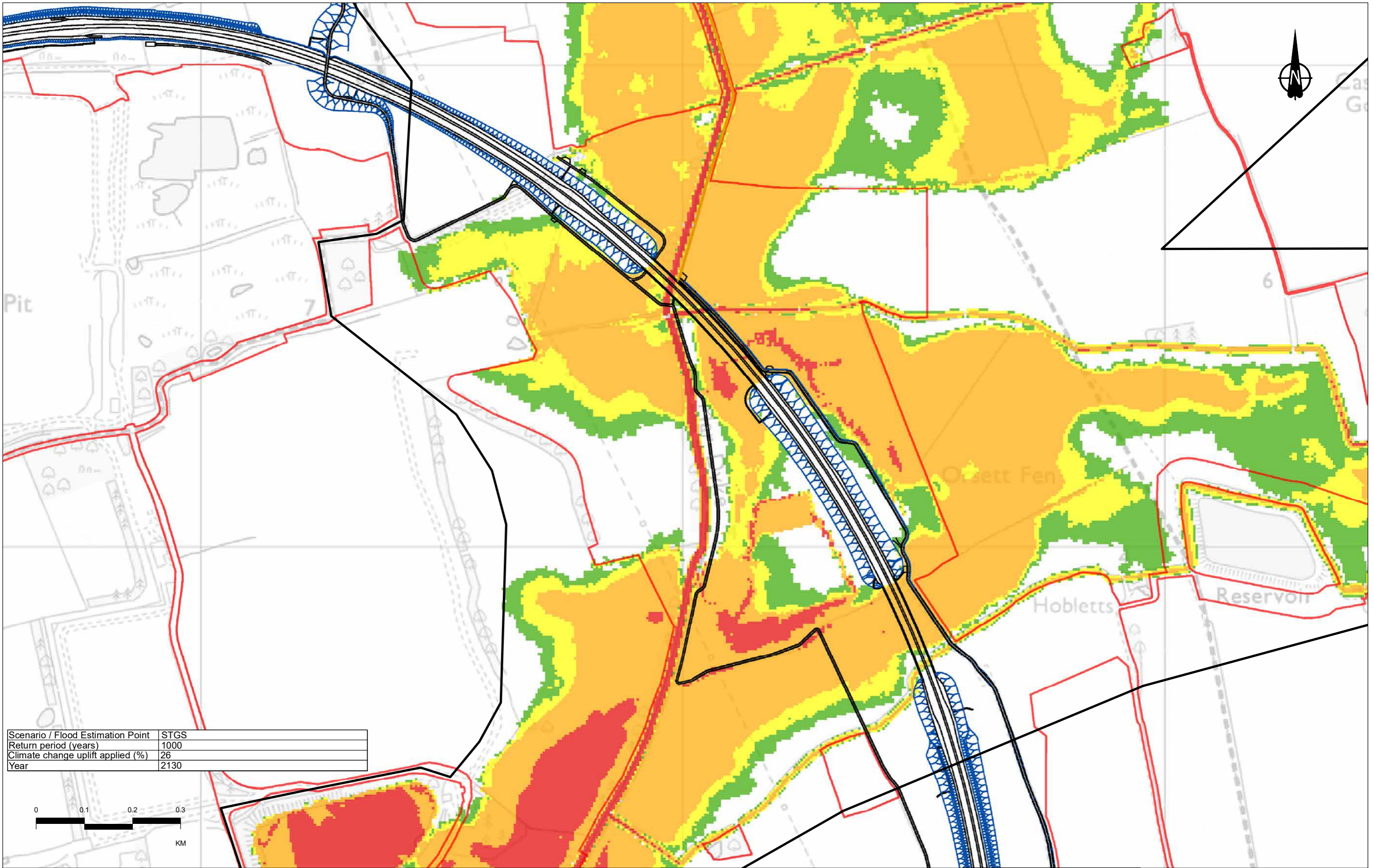
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



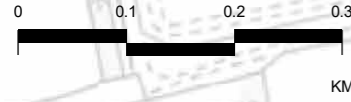
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 36 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00525				



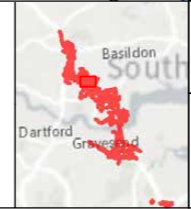
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

**Legend**

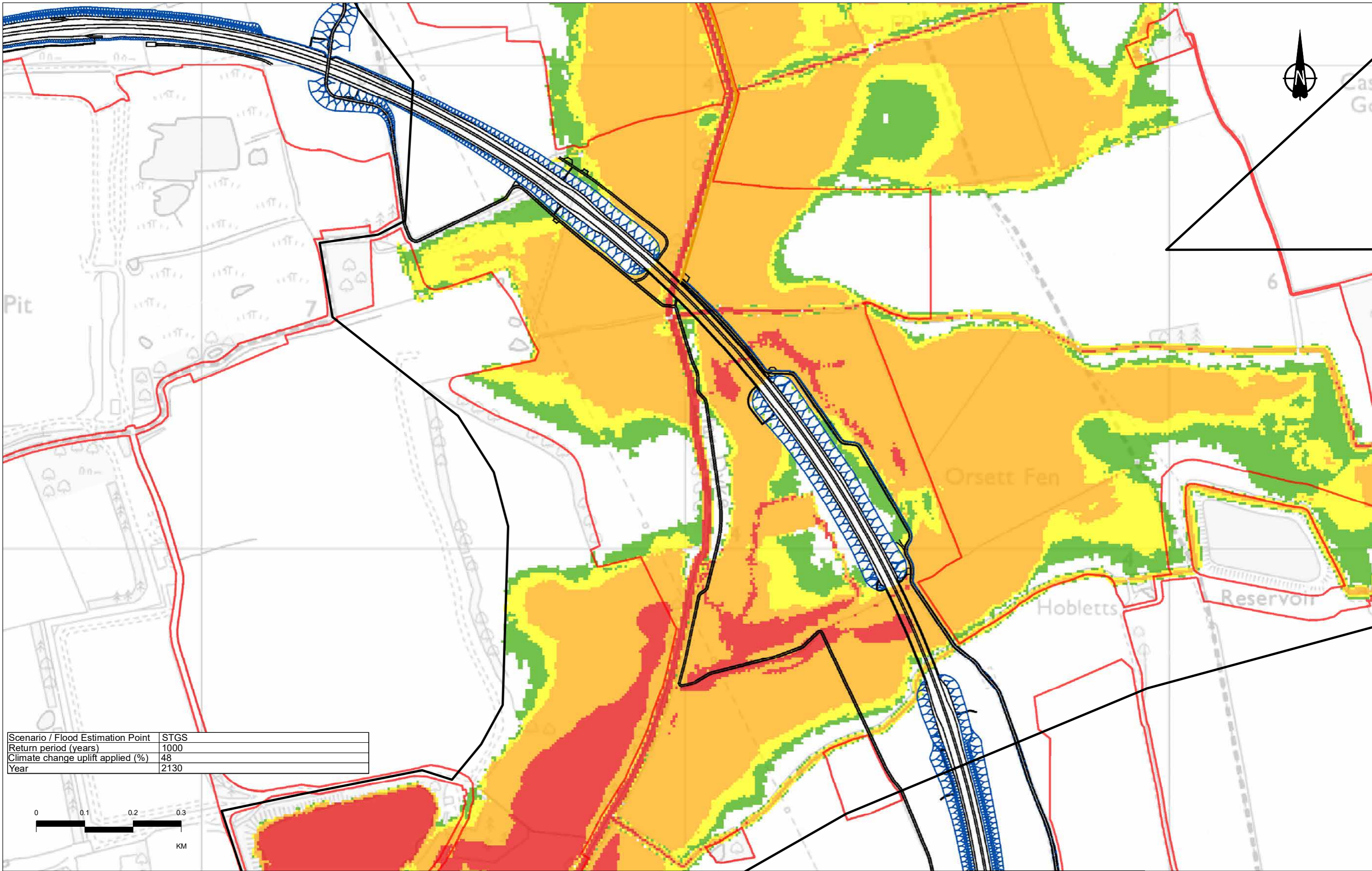
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



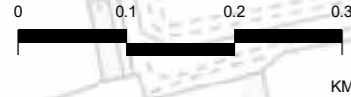
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood hazard category</b> <b>Post-development (with mitigation)</b> <b>Sheet 37 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00526				



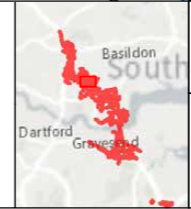
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	48
Year	2130



P01		SB	10/10/2022	DCO Application	NT	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd	

**Legend**

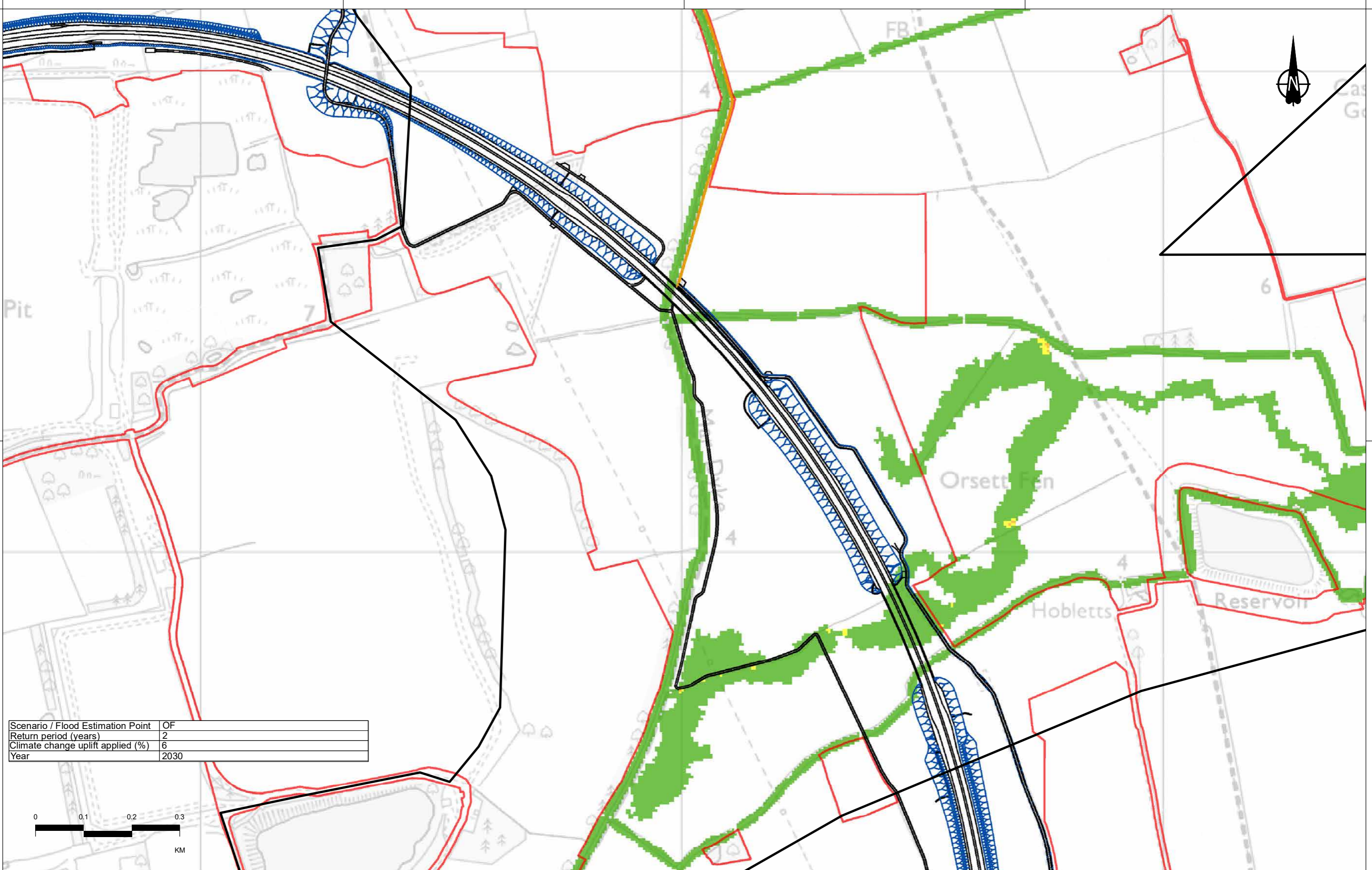
2D model extent	Proposed LTC alignment	Maximum flood hazard category
Order Limits	Alignment	Very low hazard
	Earthworks	Danger for some
	NMU Routes	Danger for most
		Danger for all



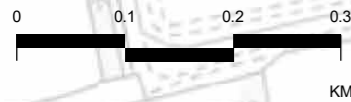
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood hazard category Post-development (with mitigation) Sheet 38 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00527				

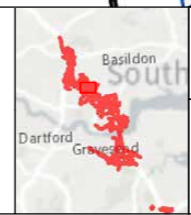


Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	6
Year	2030



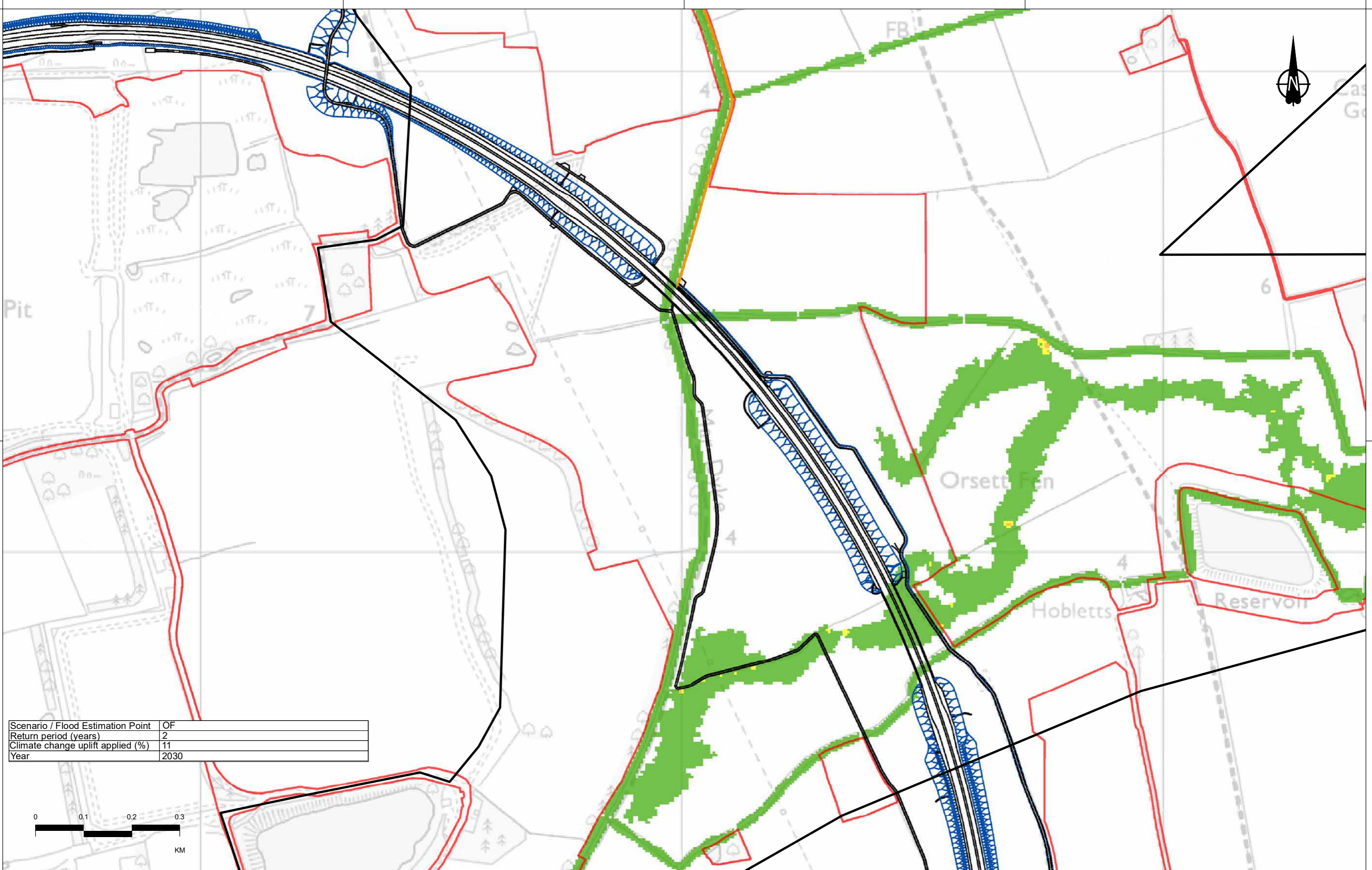
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Proposed LTC alignment	Maximum flood velocity (m/s)	
	2D model extent			0 - 0.25
	Order Limits			0.25 - 0.5
				0.5 - 1.0
				1.0 - 2
				> 2.0

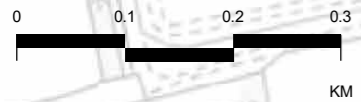


Client  
  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 1 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00528				

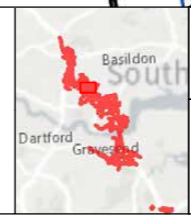


Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Proposed LTC alignment	Maximum flood velocity (m/s)	
	2D model extent			0 - 0.25
	Order Limits			0.25 - 0.5
				0.5 - 1.0
				1.0 - 2
				> 2.0

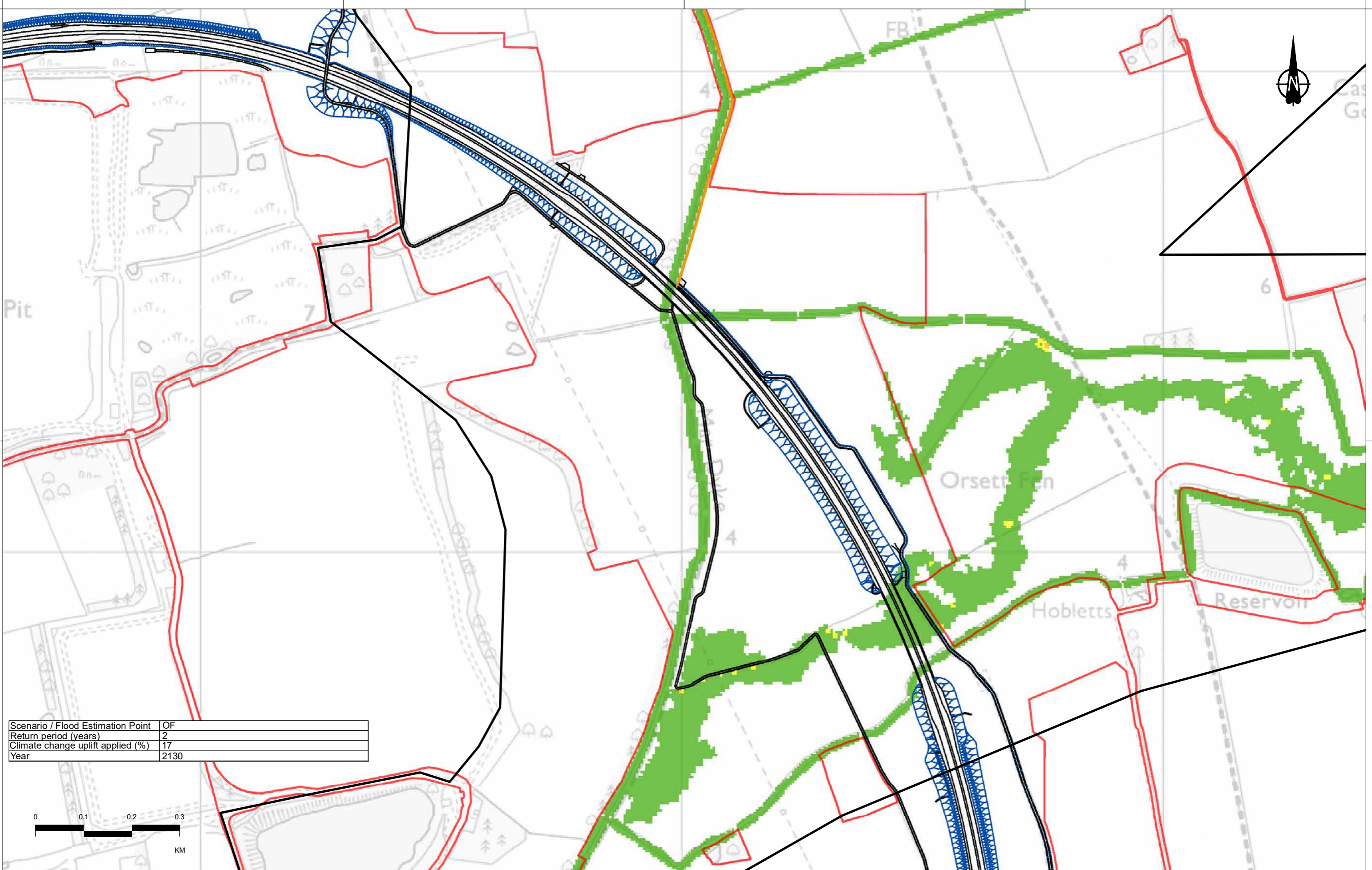


Client

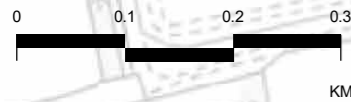
Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> Maximum flood velocity Pre-development Sheet 2 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00529				



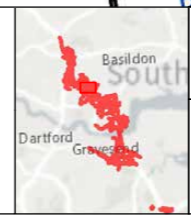


Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	17
Year	2130



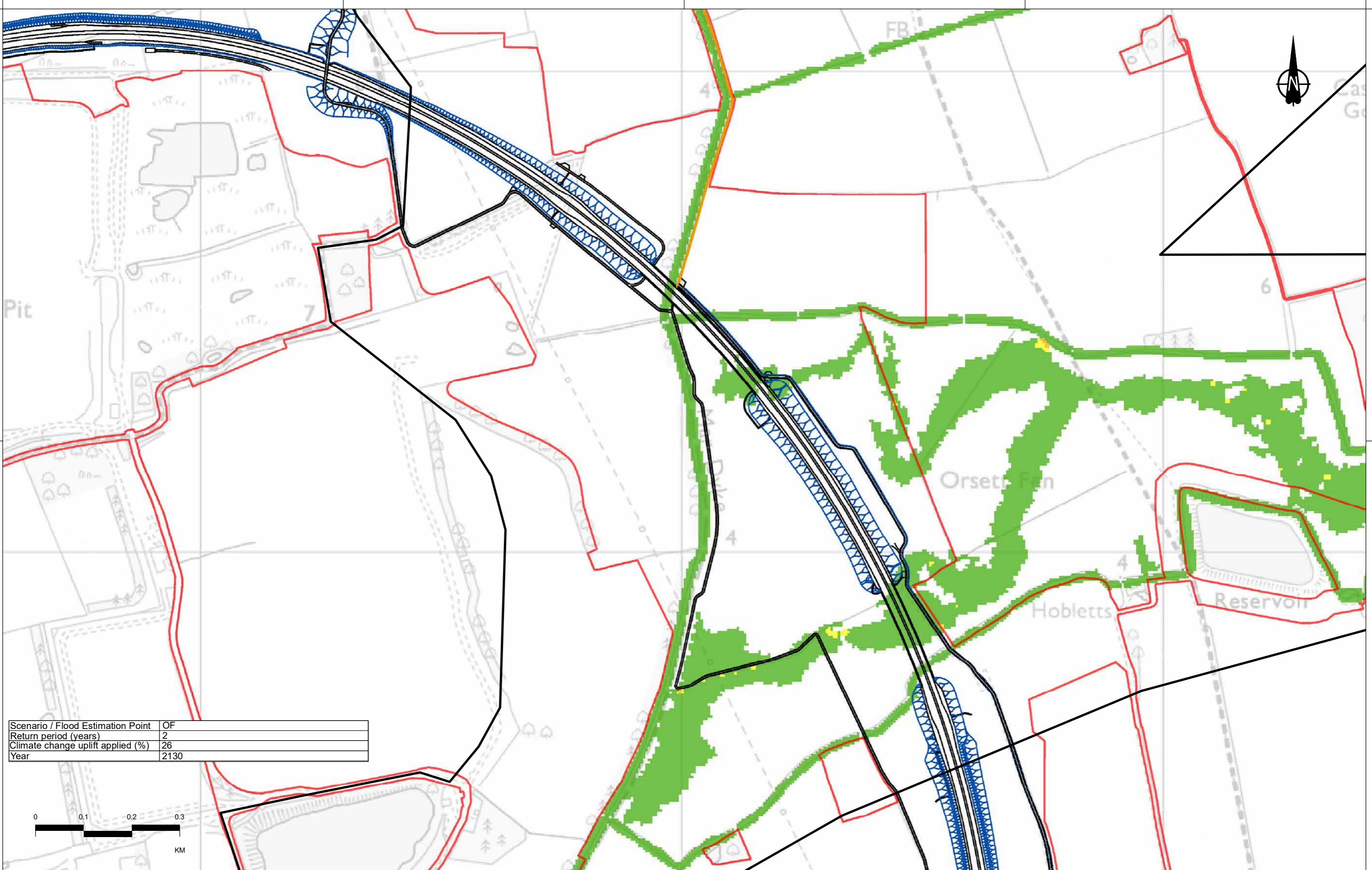
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Maximum flood velocity (m/s)
	2D model extent	
	Order Limits	
	Alignment	
	Earthworks	
	NMU Routes	

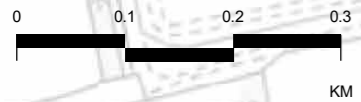


Client  
  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 3 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00530				



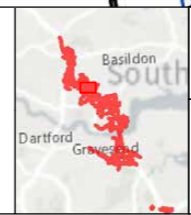
Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

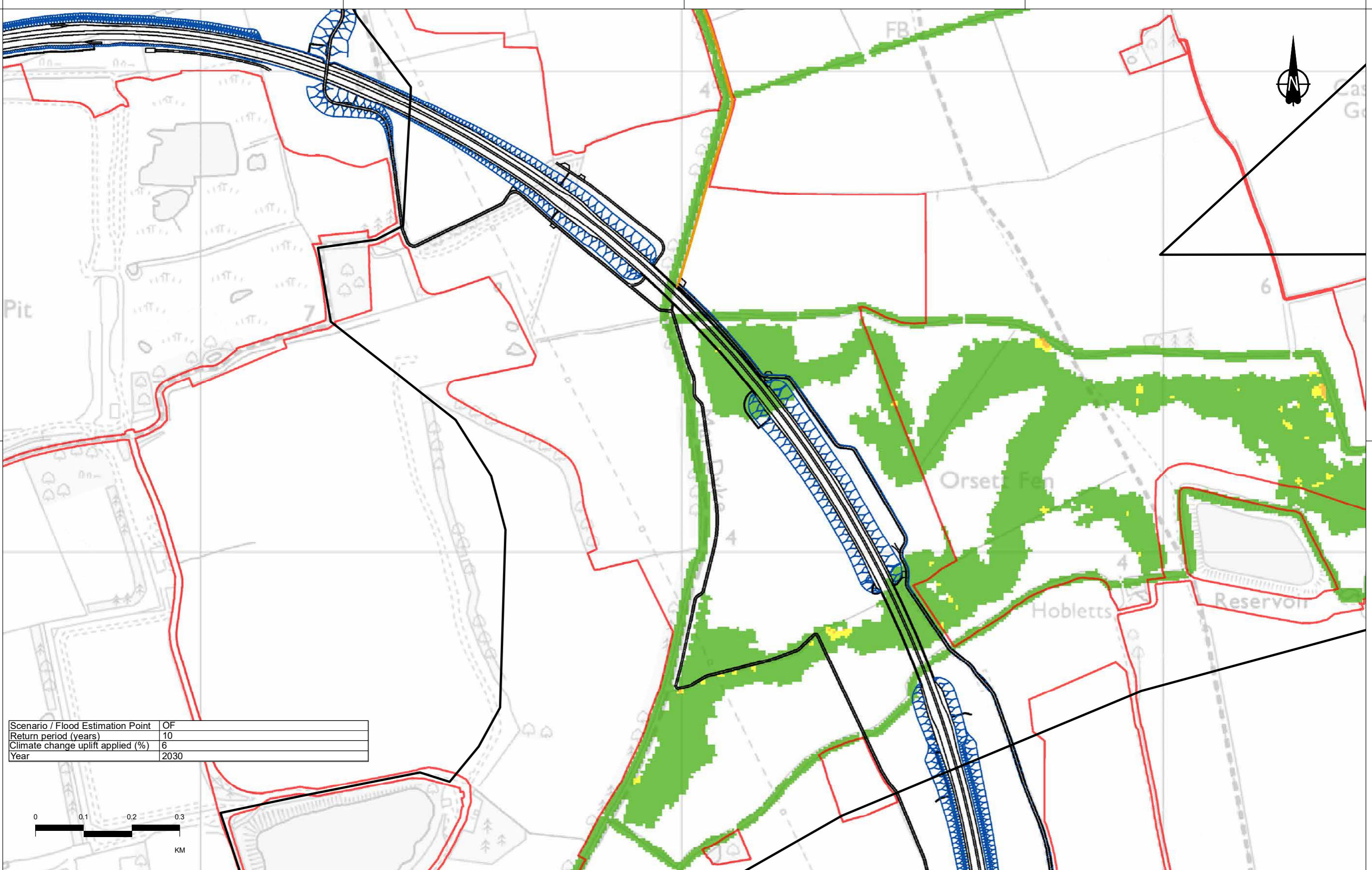
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



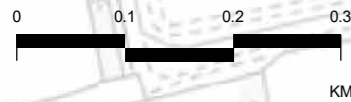
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 4 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00531				

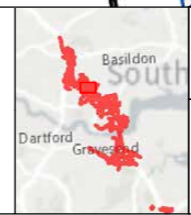


Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

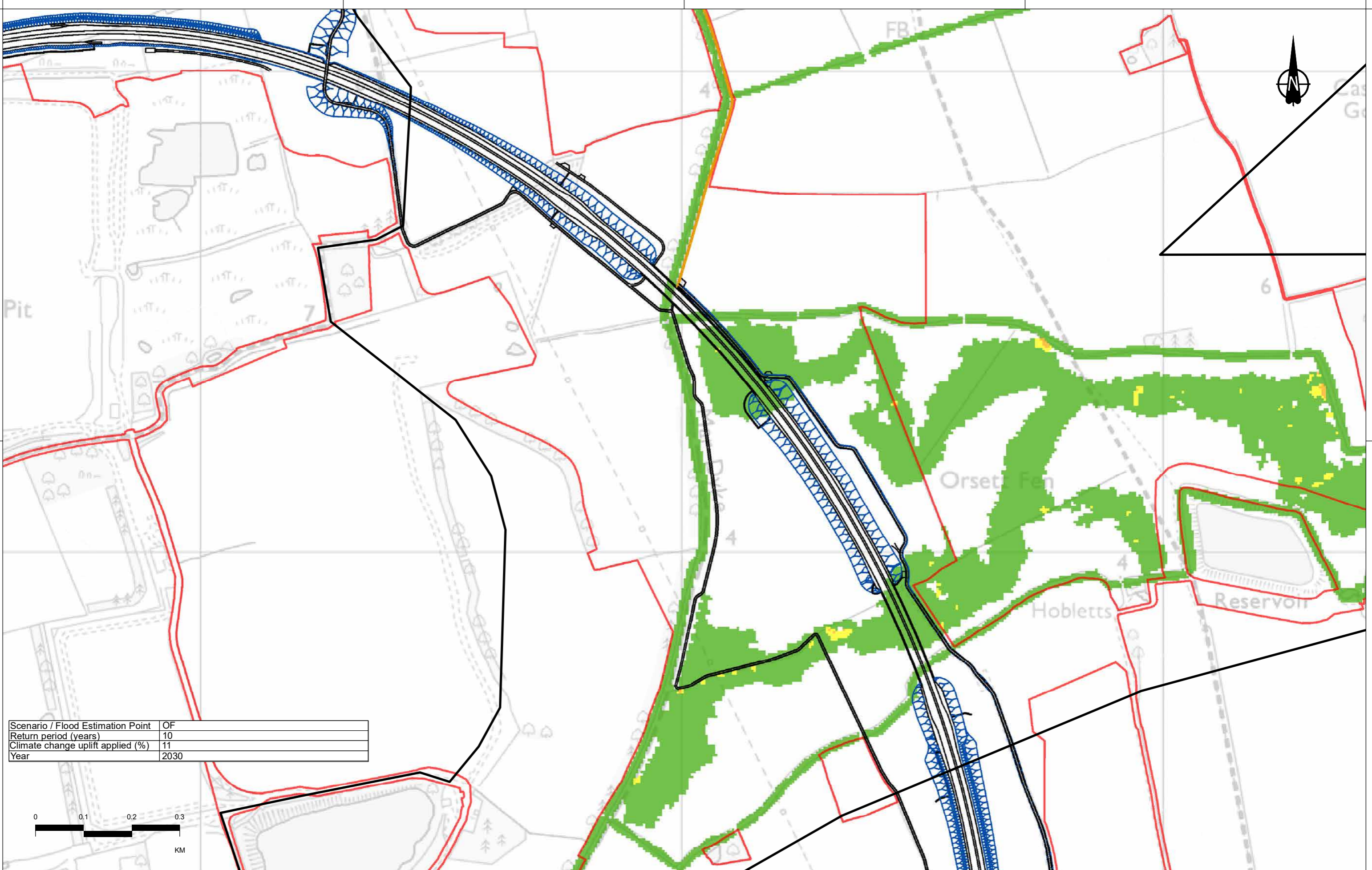
Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0



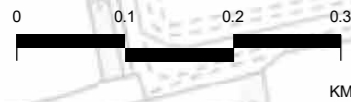
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 5 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00532				

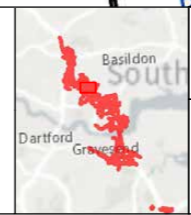


Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

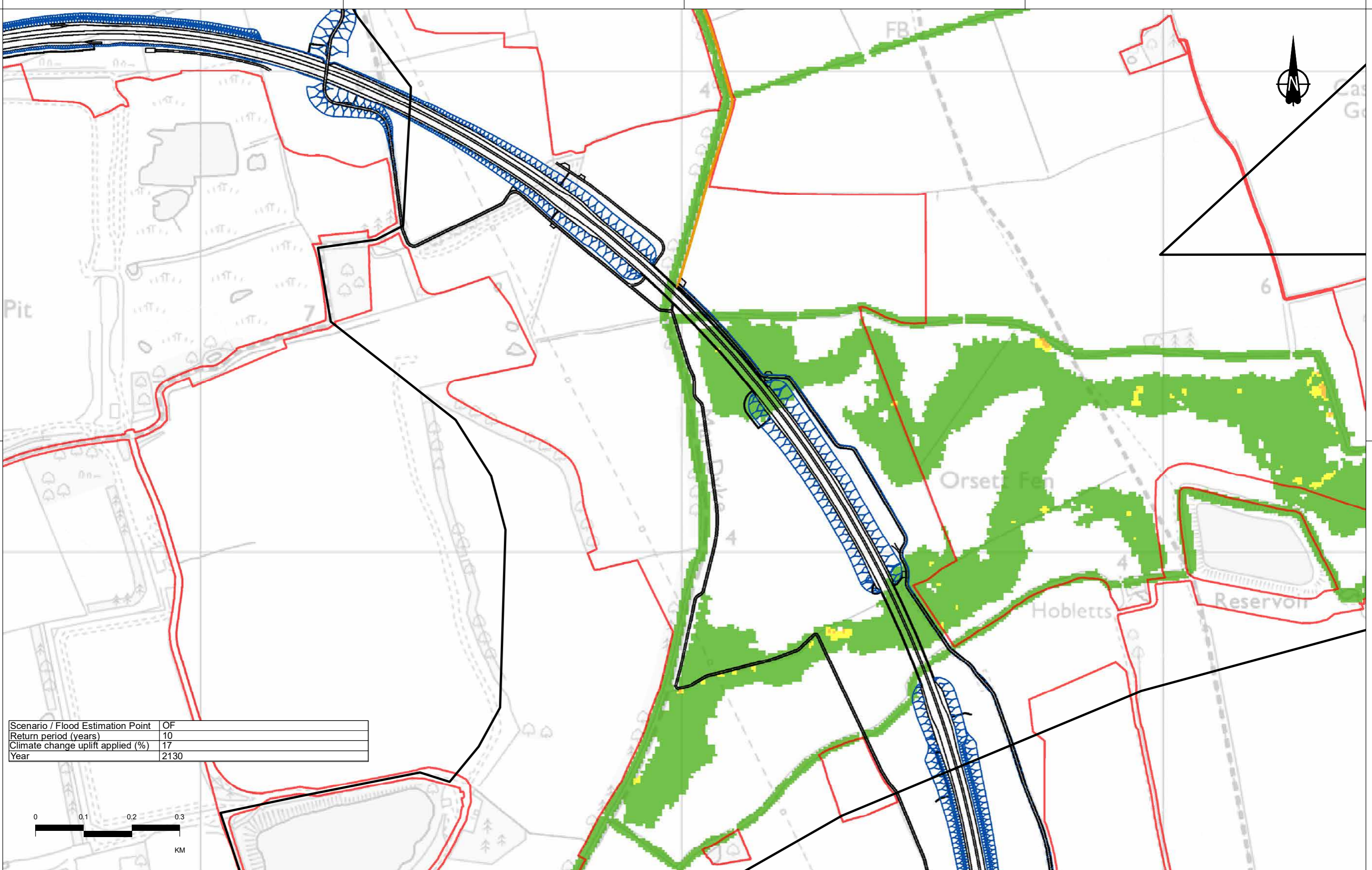
Legend		Maximum flood velocity (m/s)	
	2D model extent		0 - 0.25
	Order Limits		0.25 - 0.5
	Alignment		0.5 - 1.0
	Earthworks		1.0 - 2
	NMU Routes		> 2.0



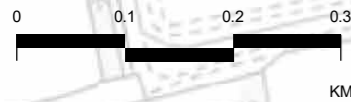
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 6 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00533				



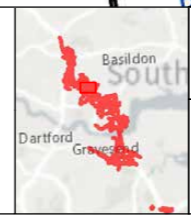
Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

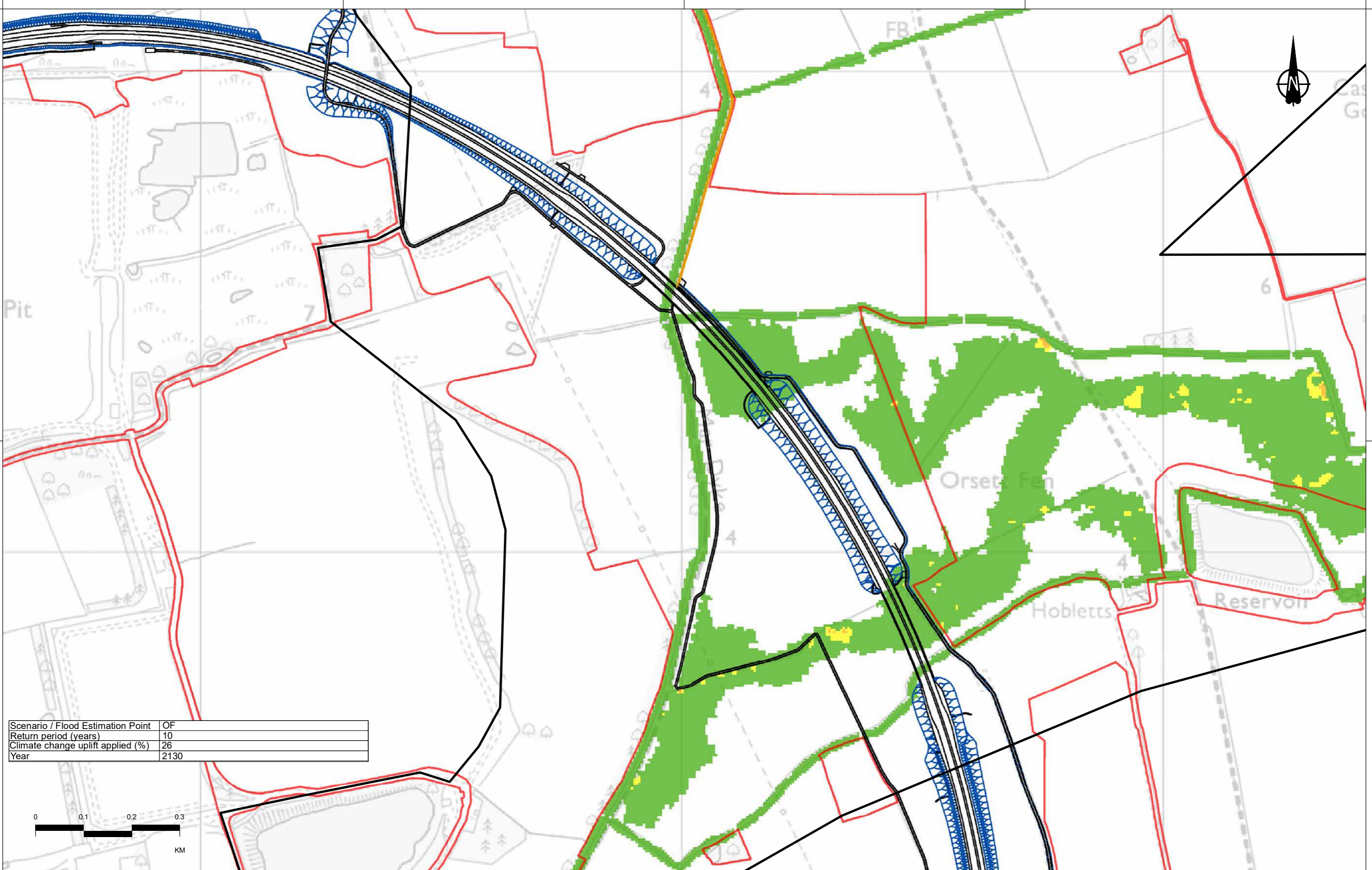
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0.25 - 0.5
	NMU Routes	0.5 - 1.0
		1.0 - 2
		> 2.0



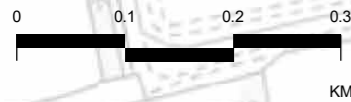
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 7 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00534				



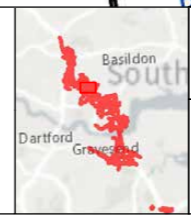
Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

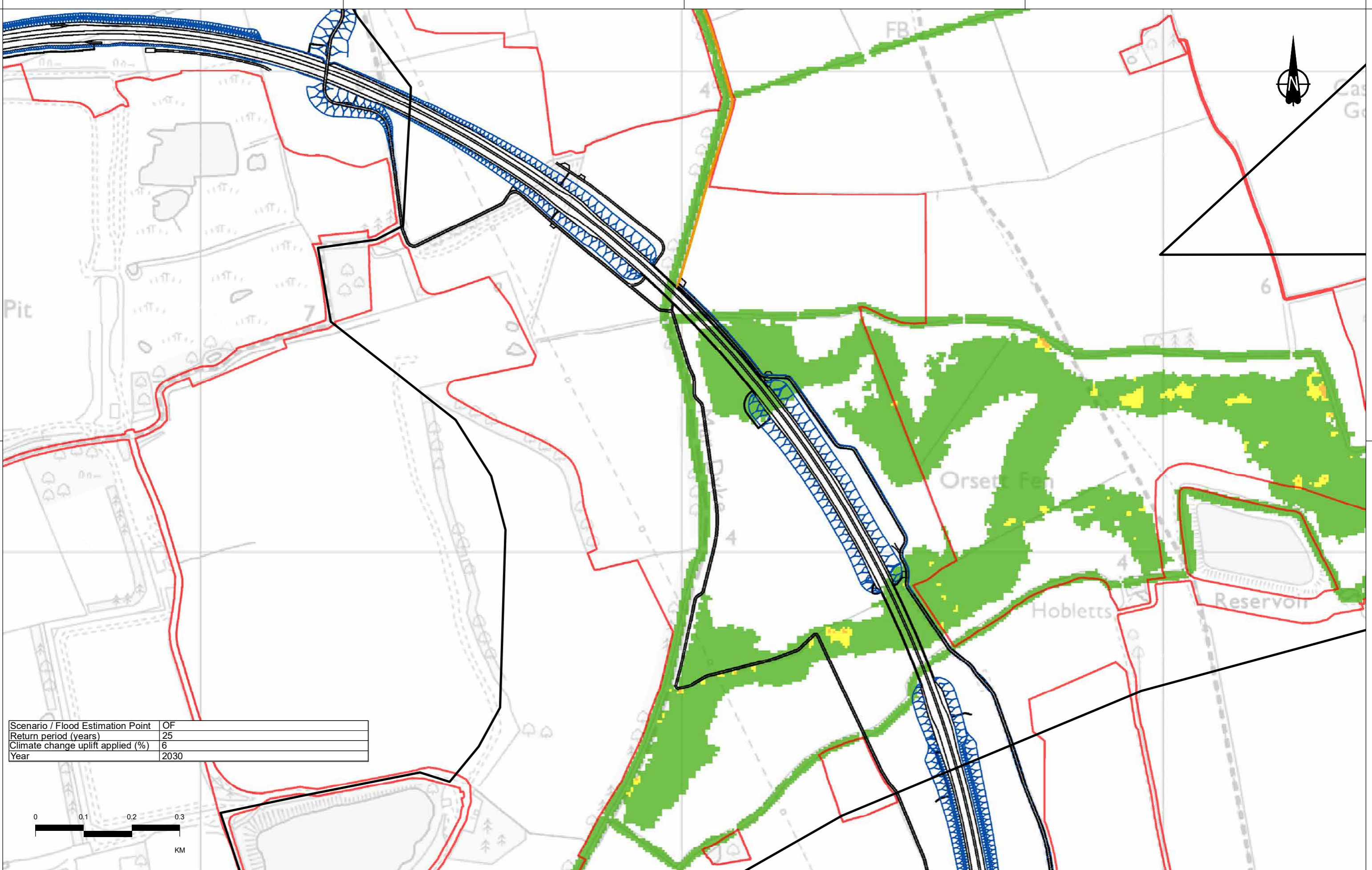
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



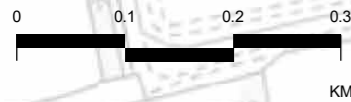
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 8 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00535				

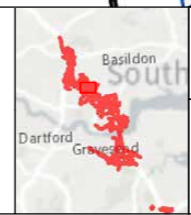


Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

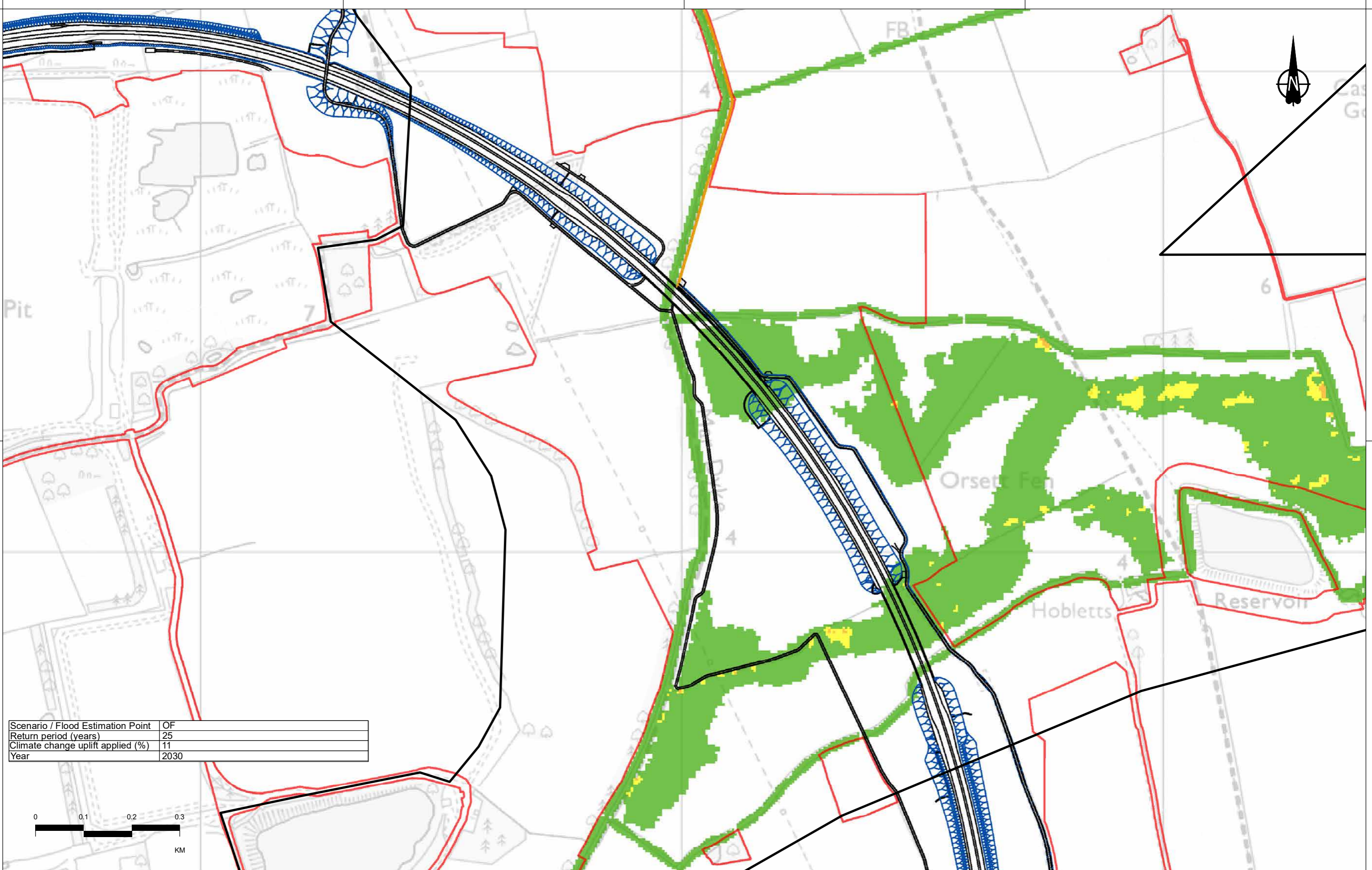
Legend		Proposed LTC alignment	Maximum flood velocity (m/s)
	2D model extent		
	Order Limits		



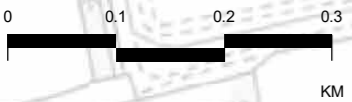
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Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 9 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00536				

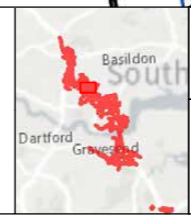


Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0

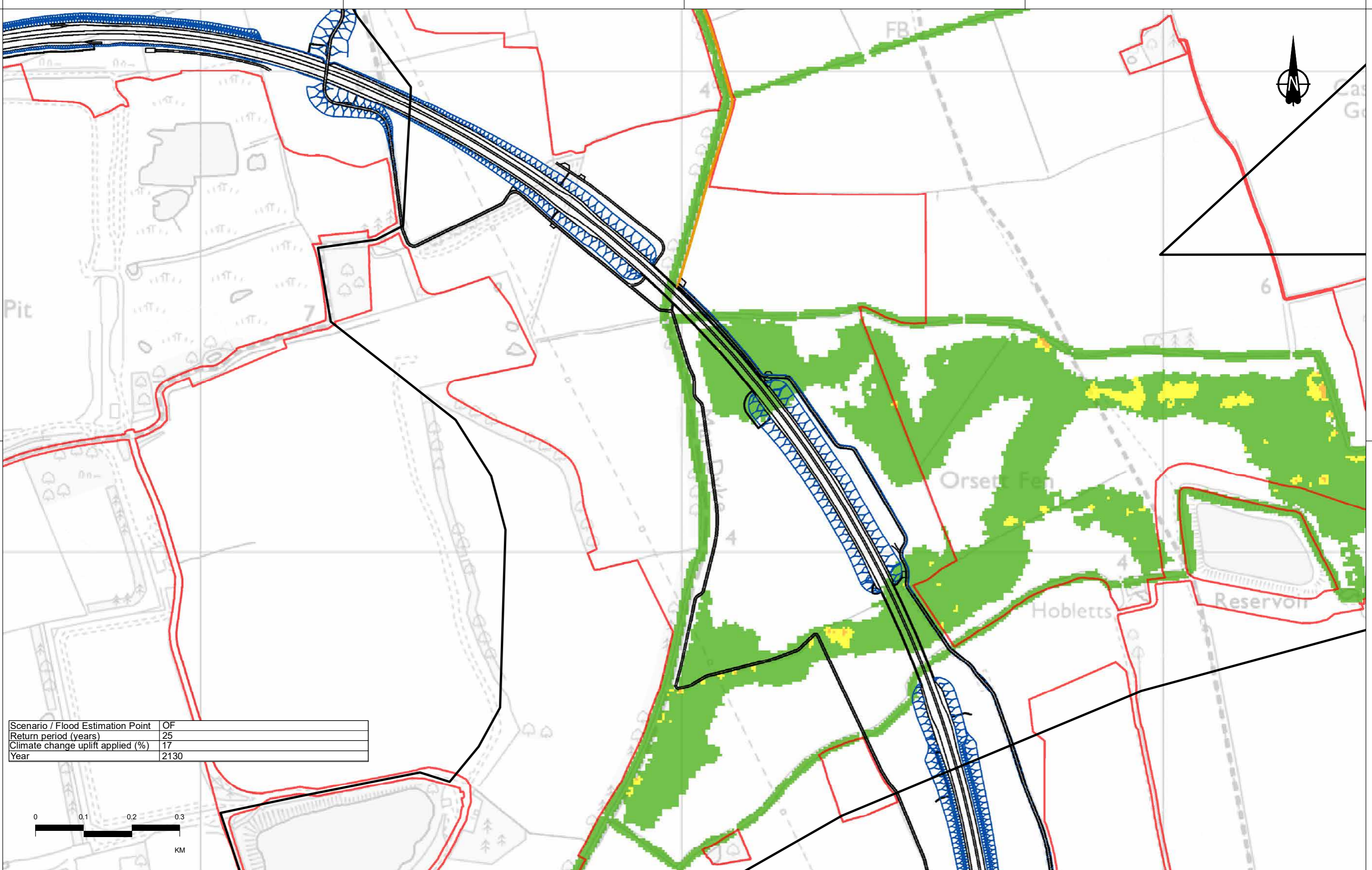


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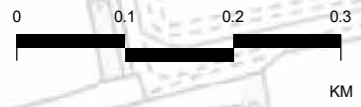
Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood velocity</b> <b>Pre-development</b> <b>Sheet 10 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00537				





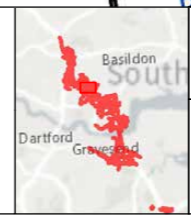
Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

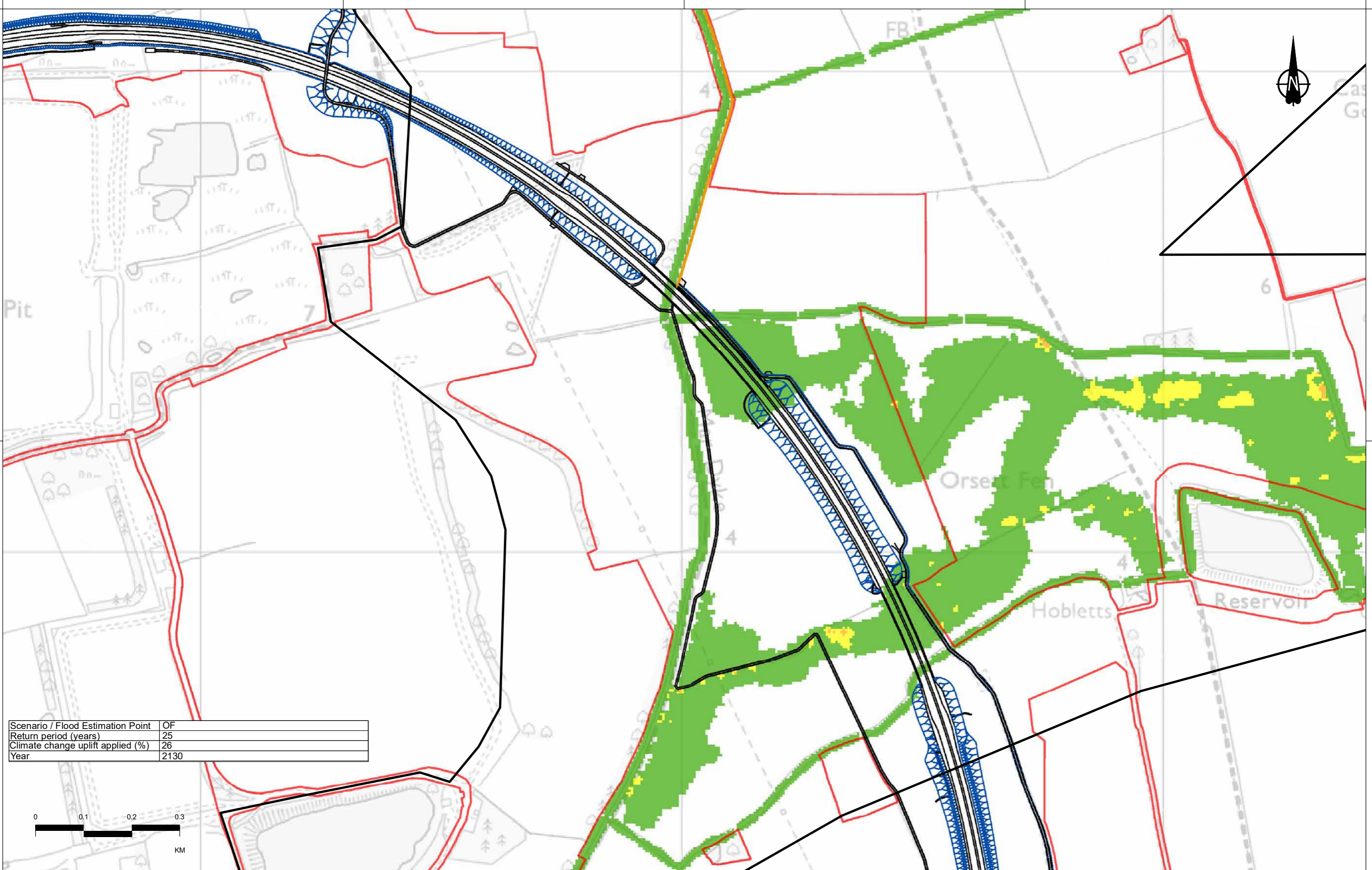
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



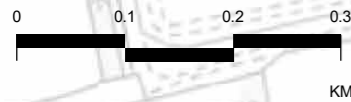
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Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 11 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00538				

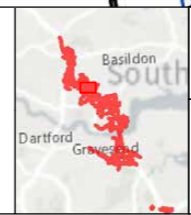


Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	26
Year	2130



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

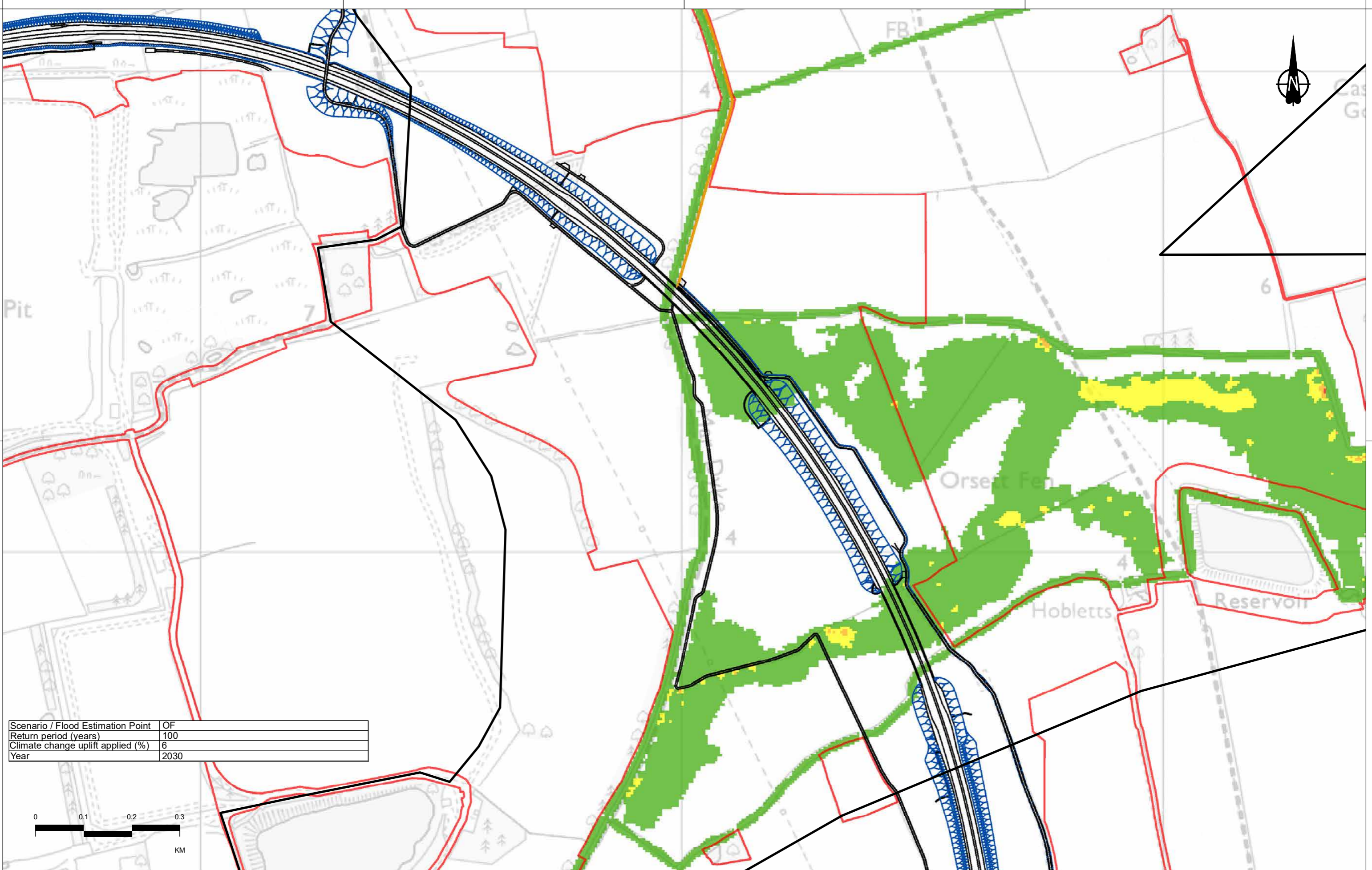
Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0



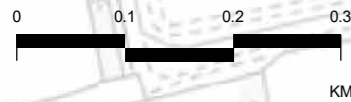
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**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 12 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00539				

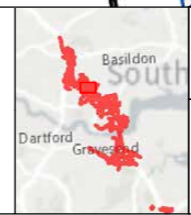


Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	6
Year	2030



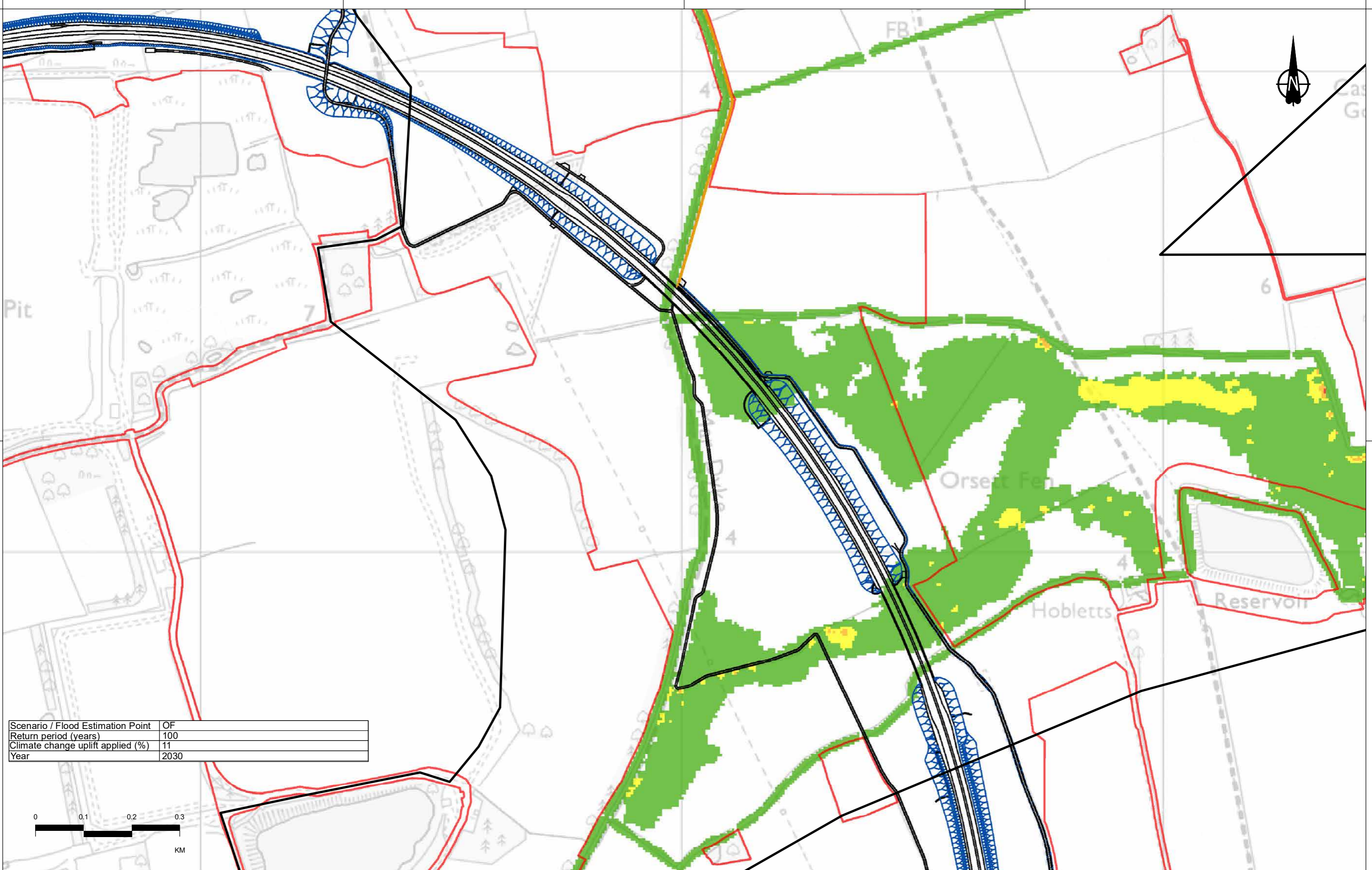
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0

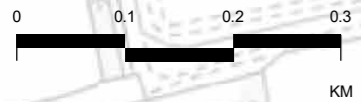


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**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 13 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00540				

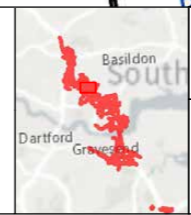


Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

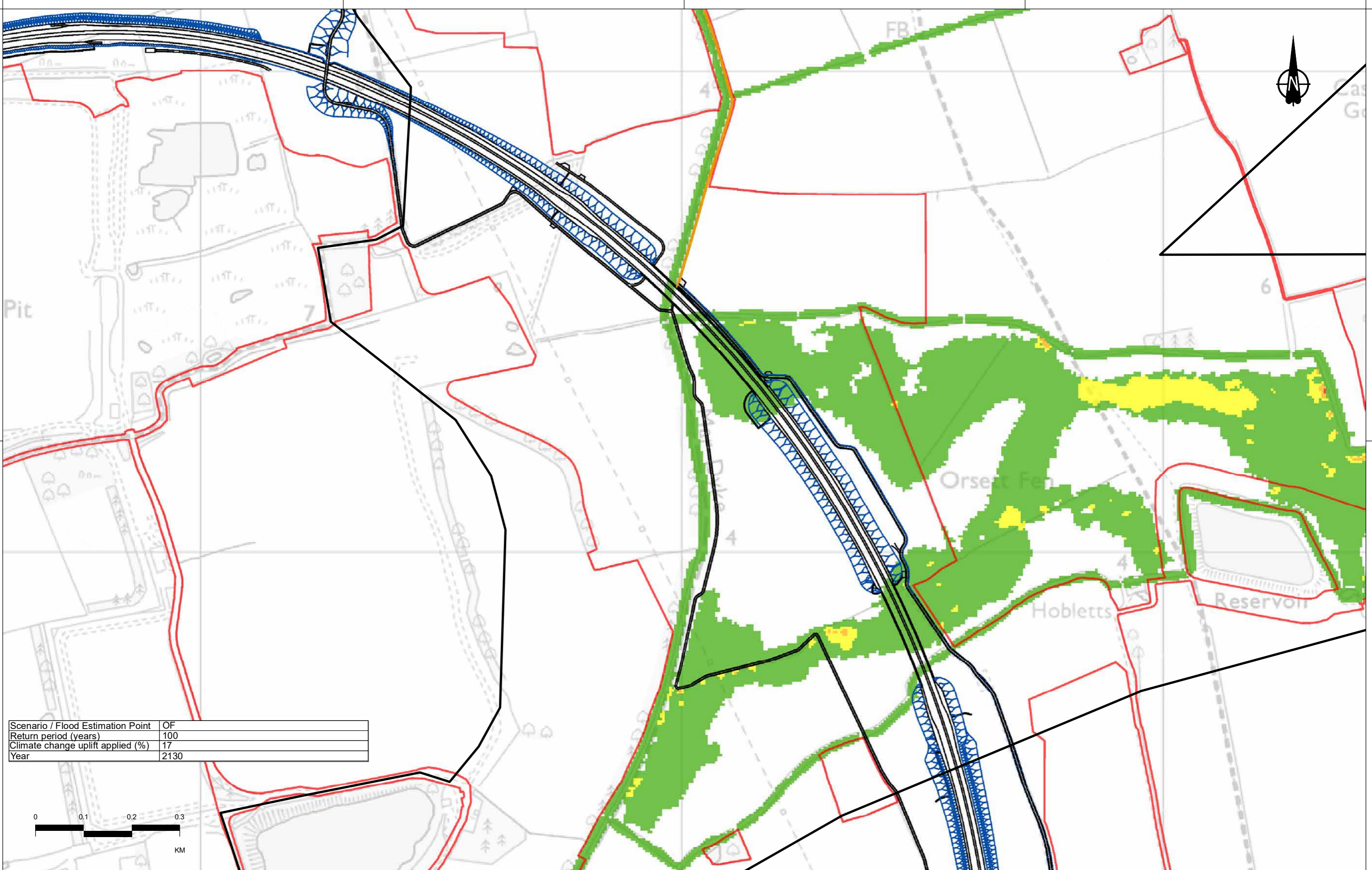
Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0



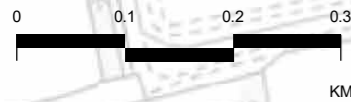
Client  
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Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 14 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00541				

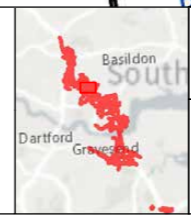


Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

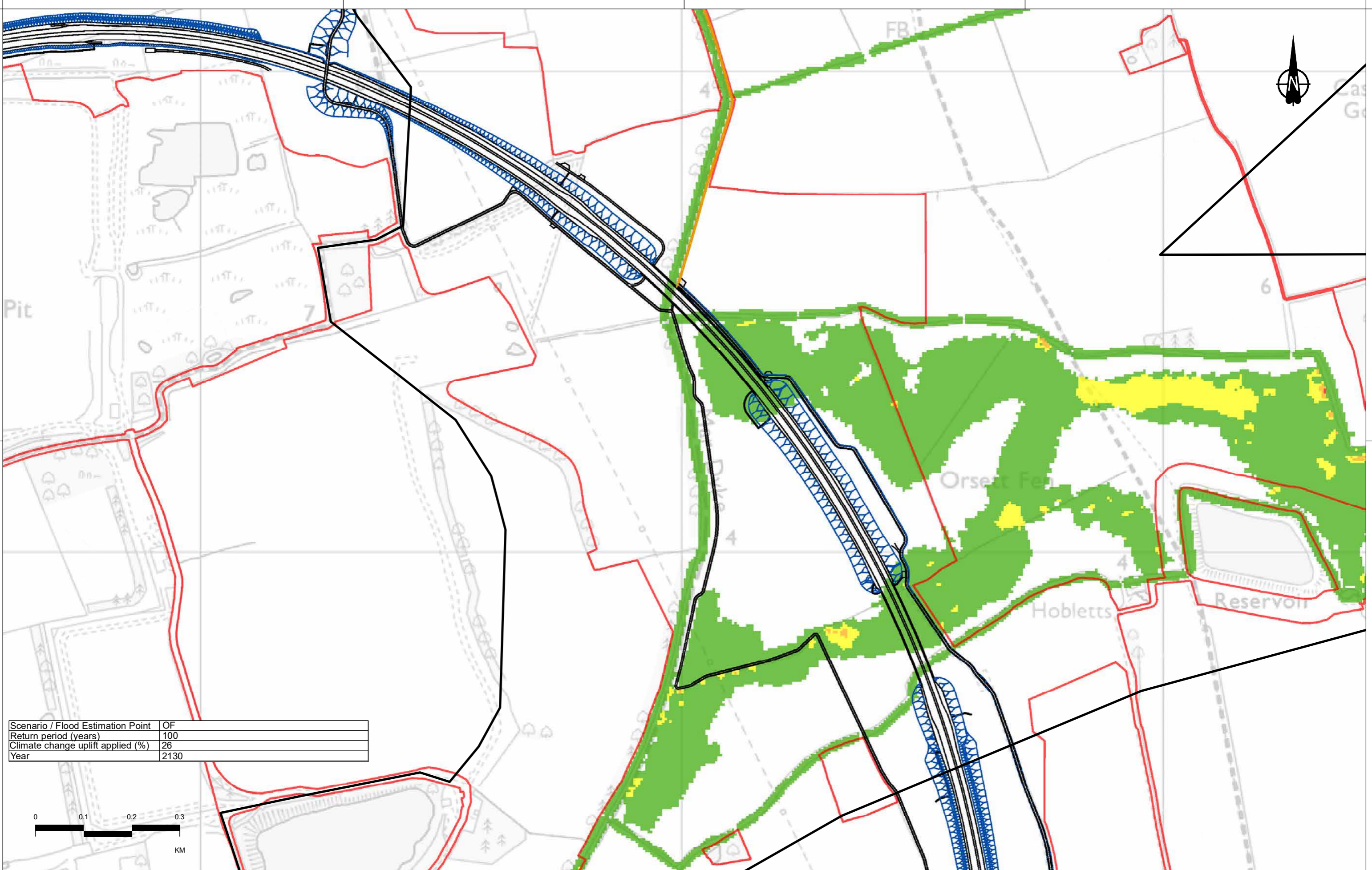
Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0



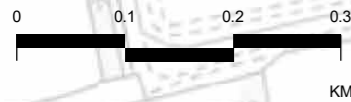
Client  
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Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 15 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00542				



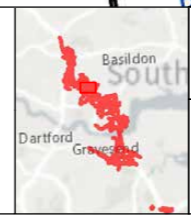
Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

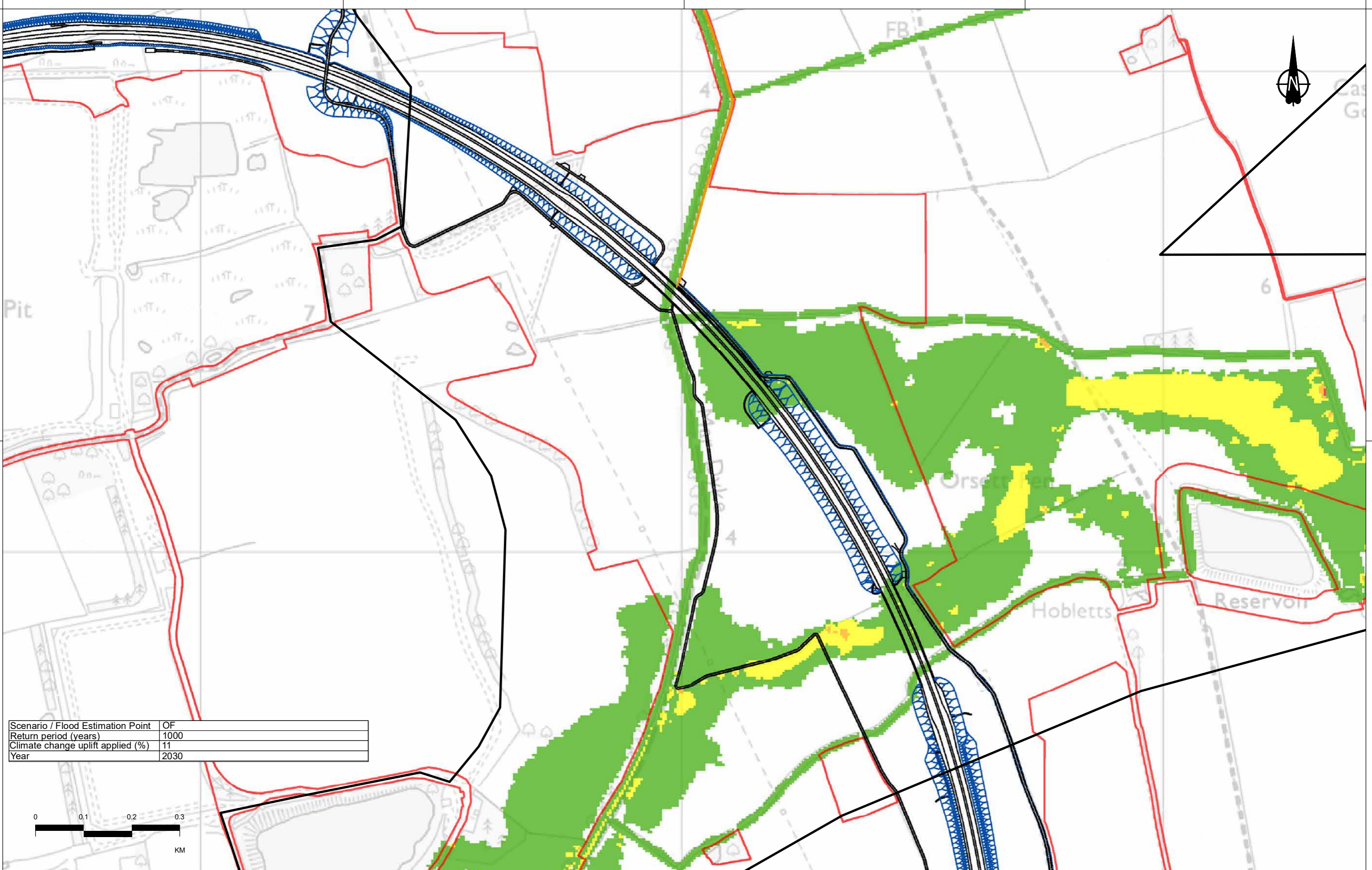
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



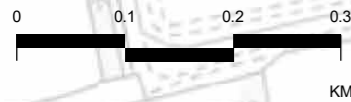
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> Maximum flood velocity Pre-development Sheet 16 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00543				



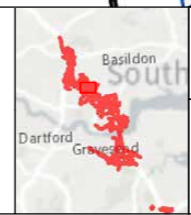
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	11
Year	2030



Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	SB	10/10/2022	DCO Application	KK	RB	BF

**Legend**

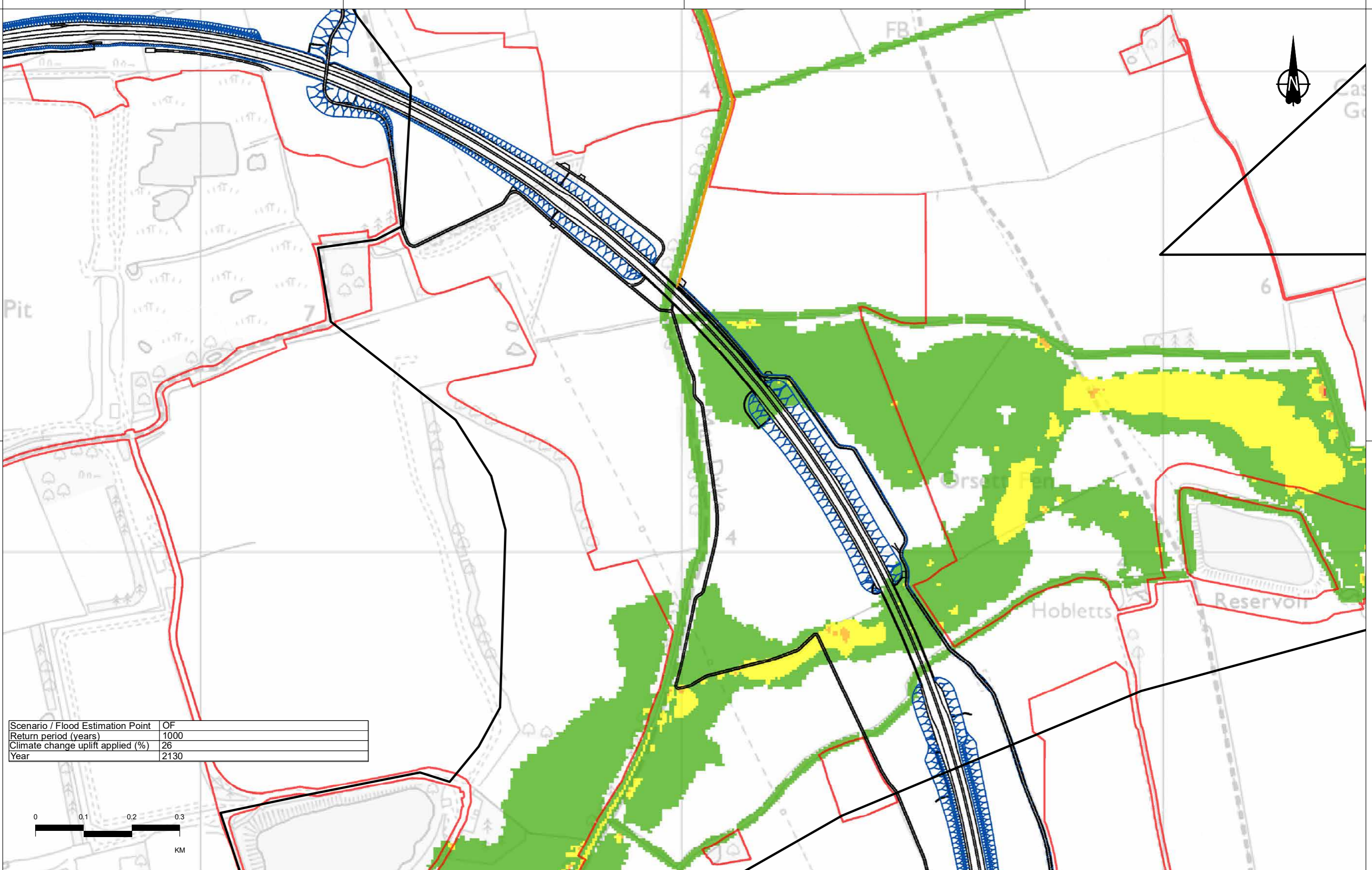
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



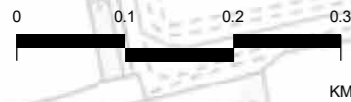
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 17 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00544				



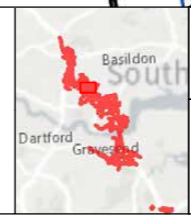
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	26
Year	2130



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0

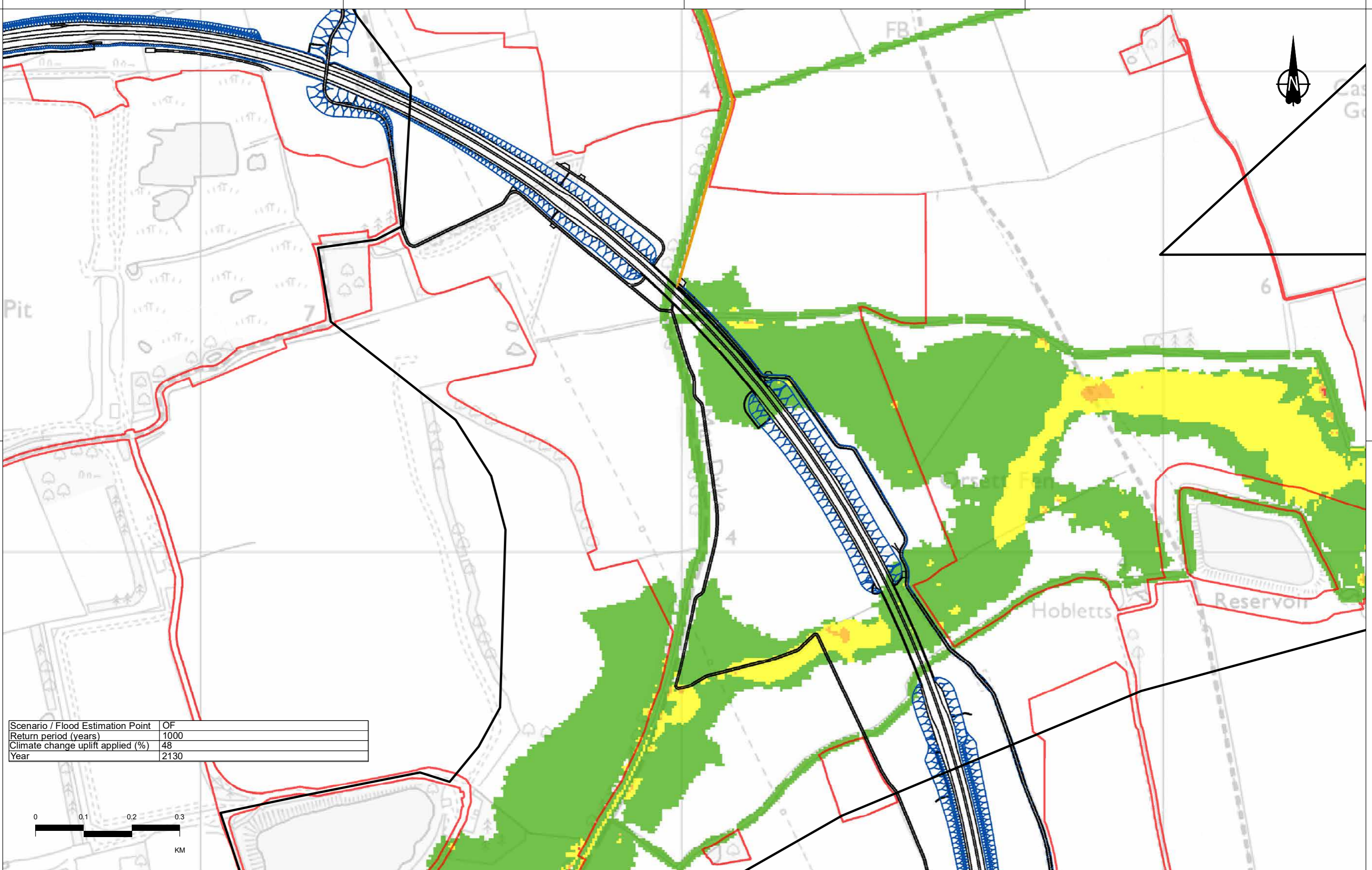


Client  
**national highways**

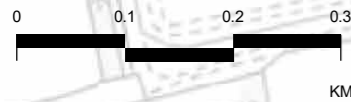
Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 18 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00545				



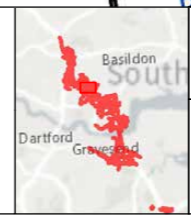


Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	48
Year	2130



Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	SB	10/10/2022	DCO Application	KK	RB	BF

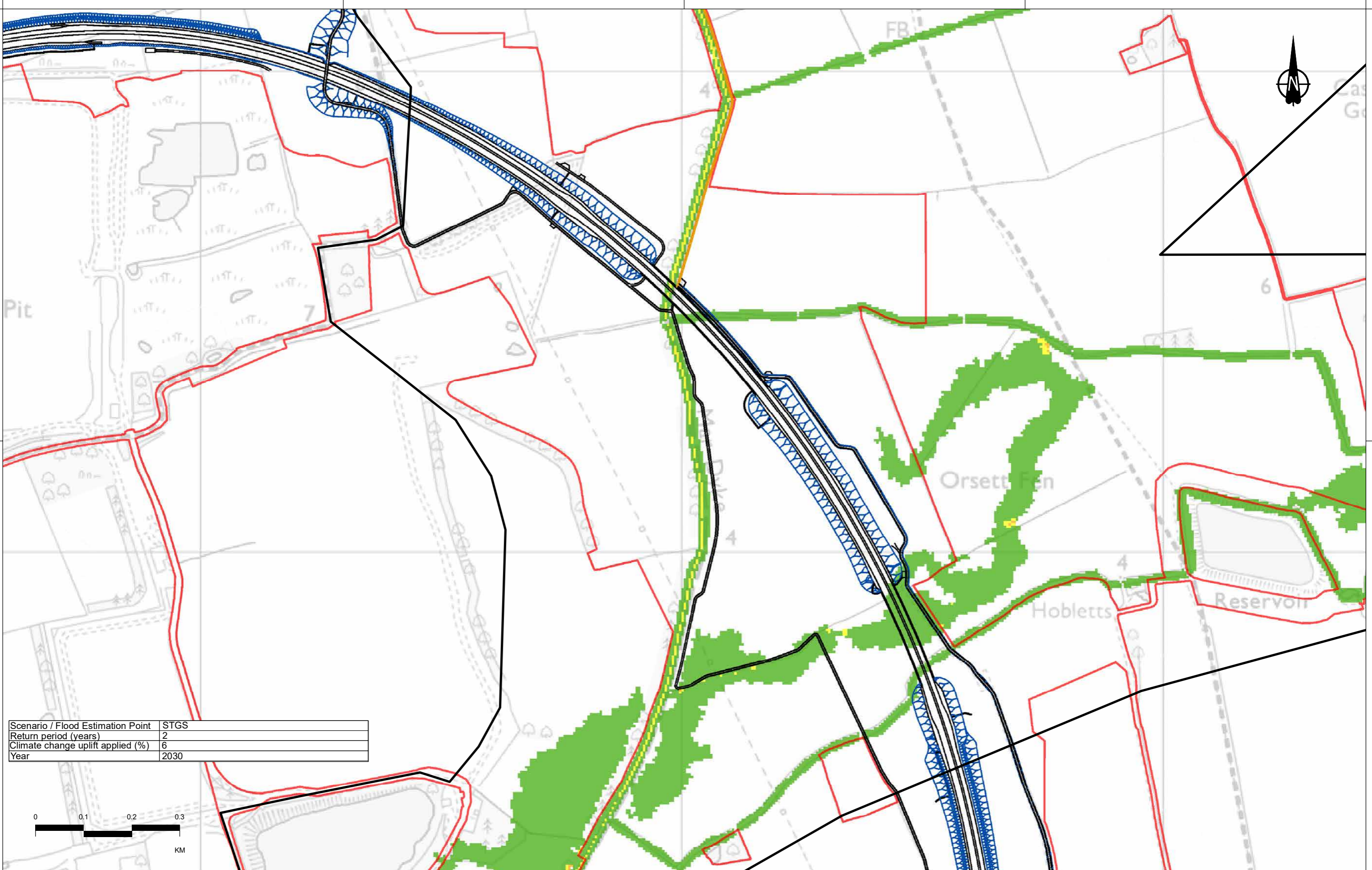
Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0



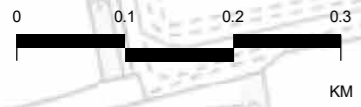
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 19 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00546				



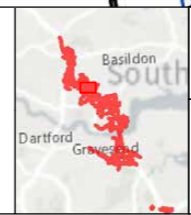
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

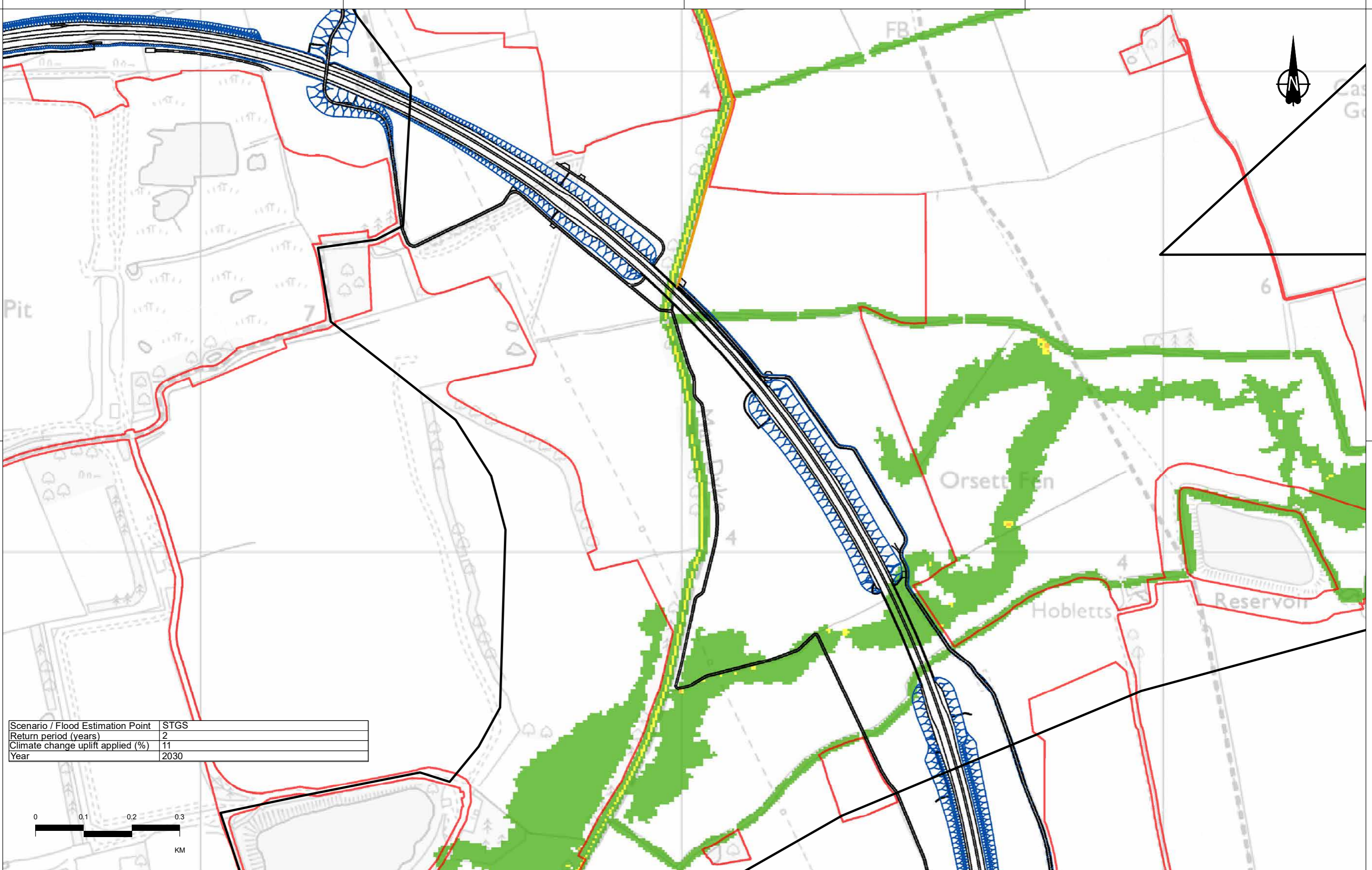
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Alignment	0 - 0.25
	Earthworks	0.25 - 0.5
	NMU Routes	0.5 - 1.0
		1.0 - 2
		> 2.0



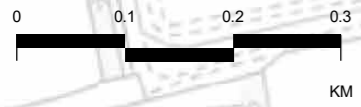
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 20 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00547				

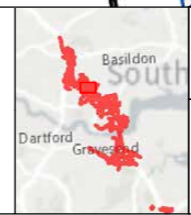


Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

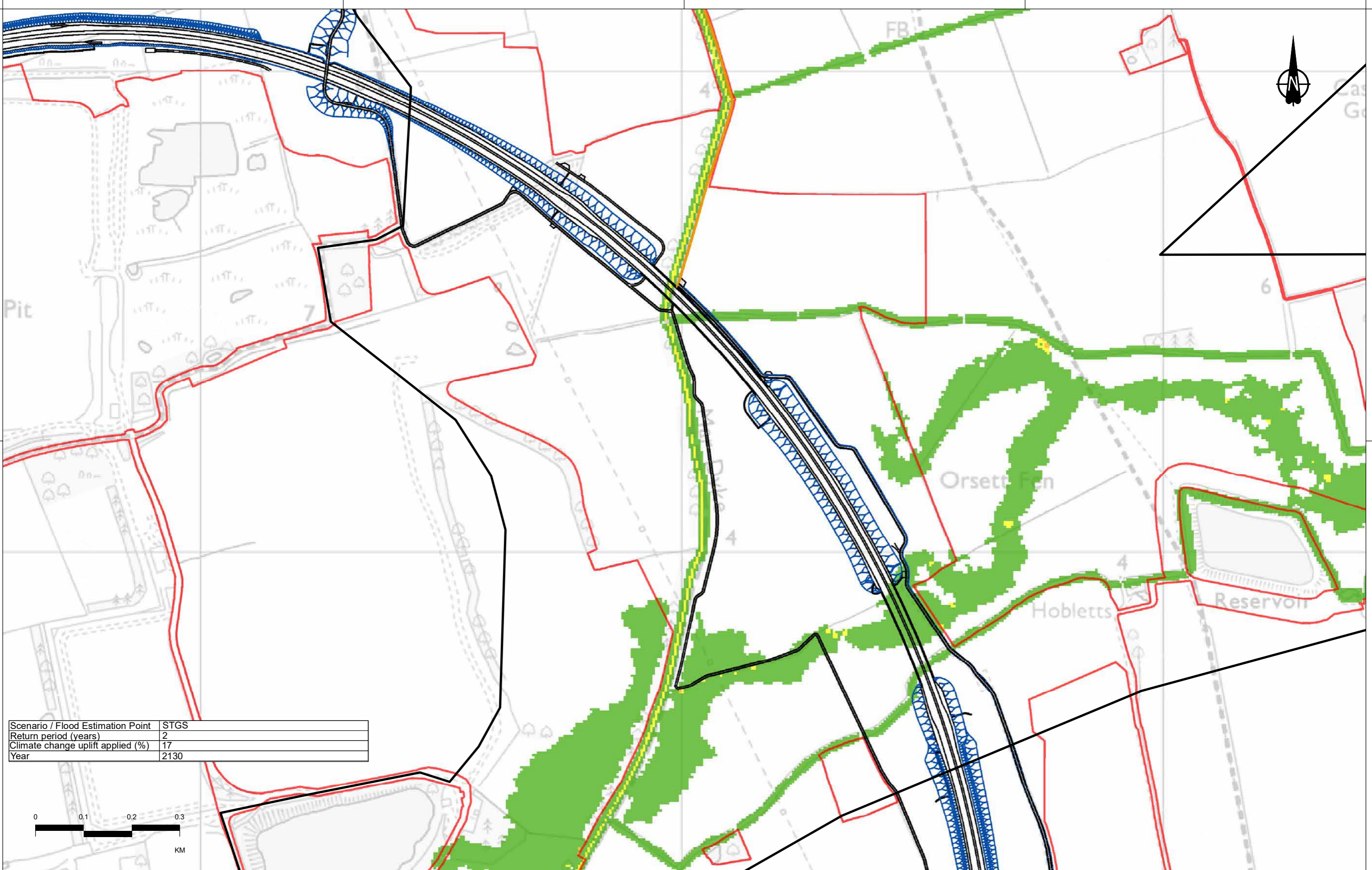
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



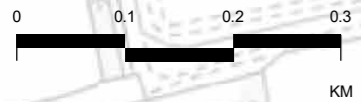
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 21 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00548				

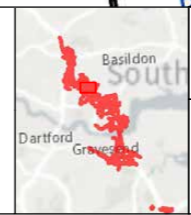


Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

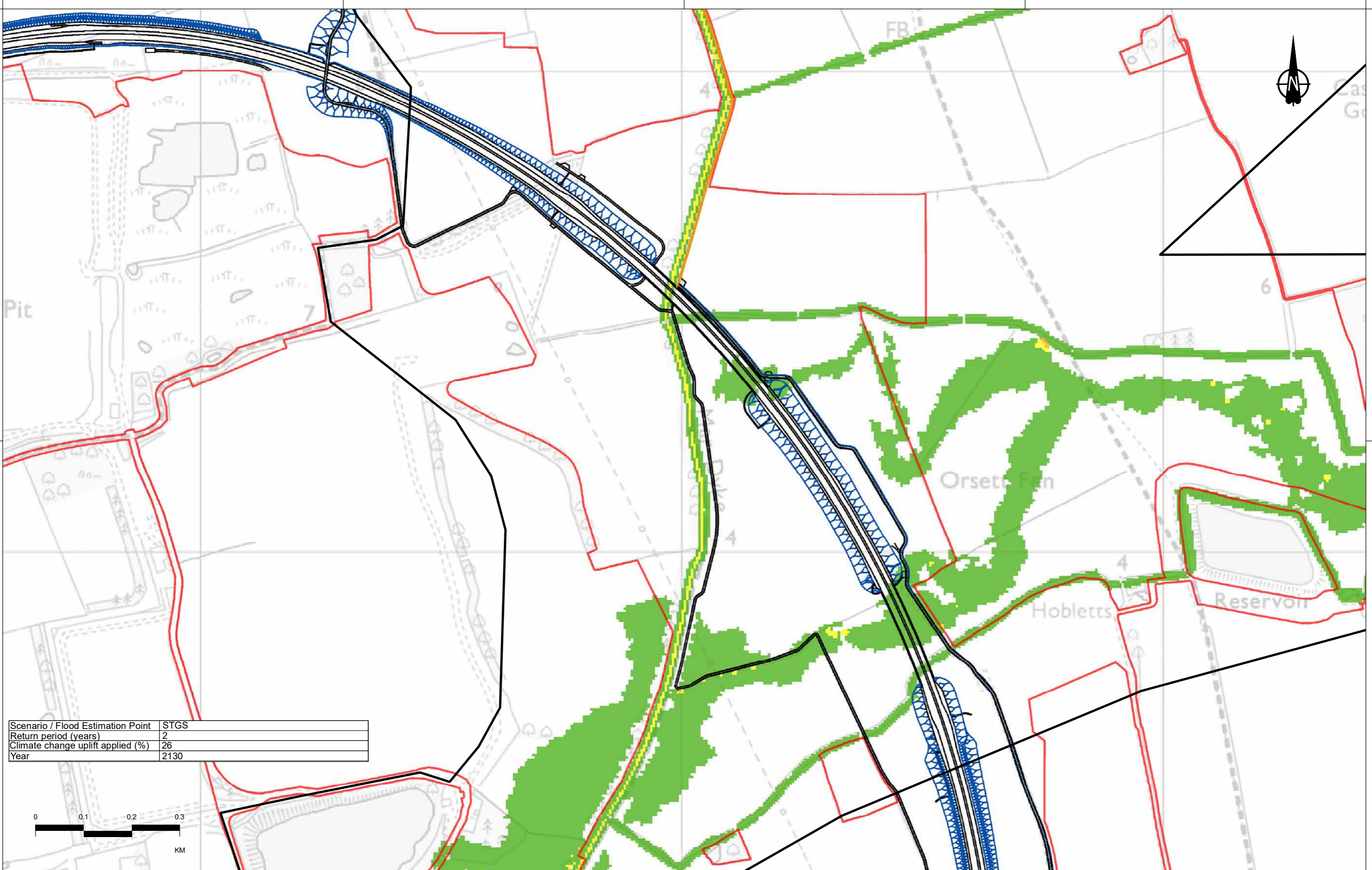
Legend		Maximum flood velocity (m/s)
	2D model extent	
	Order Limits	
	Alignment	
	Earthworks	
	NMU Routes	



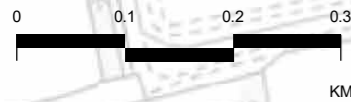
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 22 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00549				

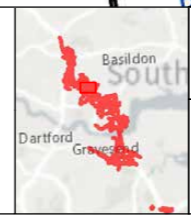


Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	26
Year	2130



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

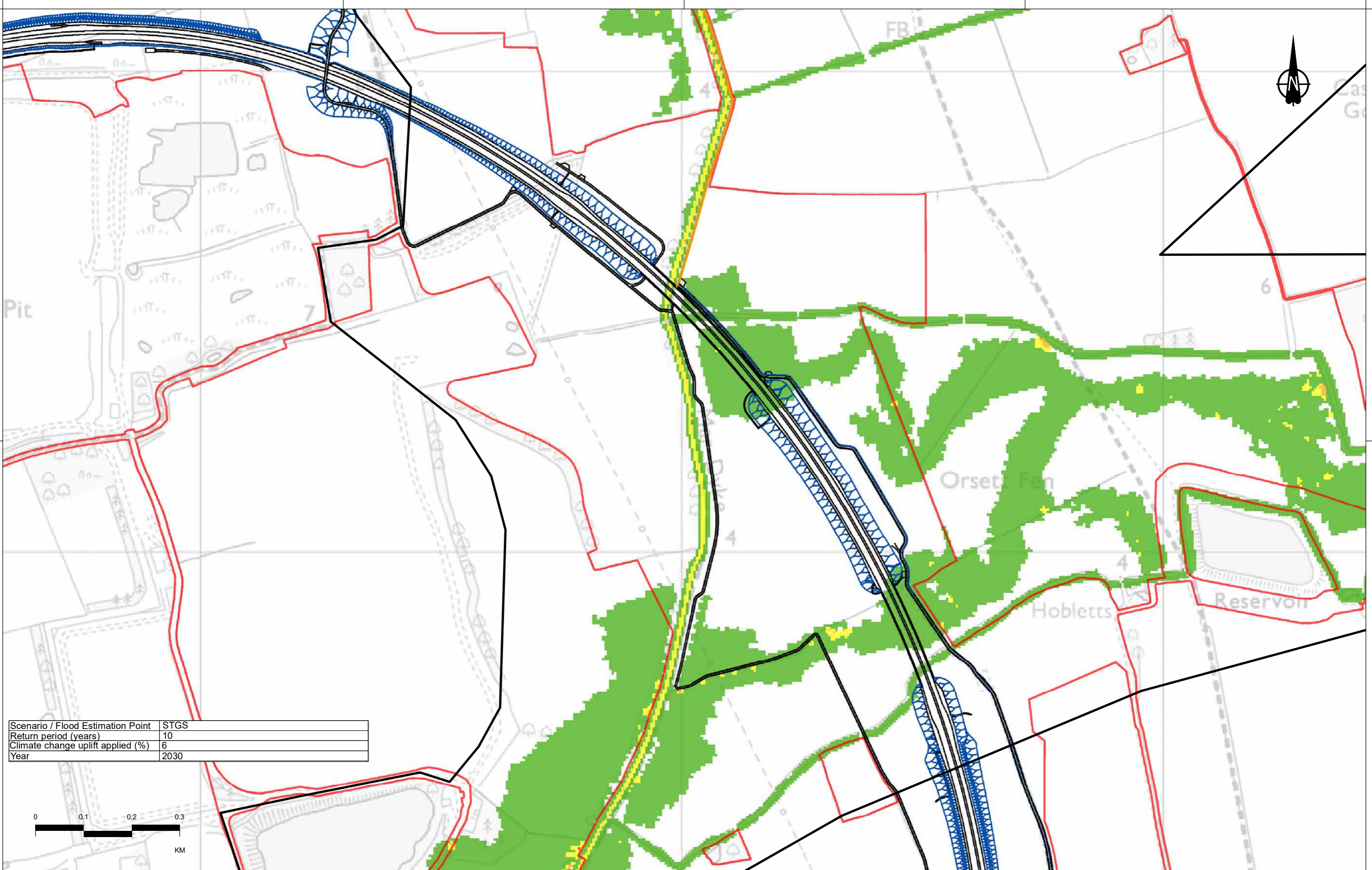
Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0



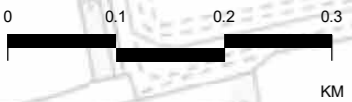
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 23 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00550				



Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	6
Year	2030



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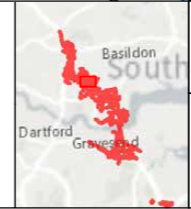
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

2D model extent
 Proposed LTC alignment
Maximum flood velocity (m/s)

Order Limits
 — Alignment
— Earthworks
— NMU Routes

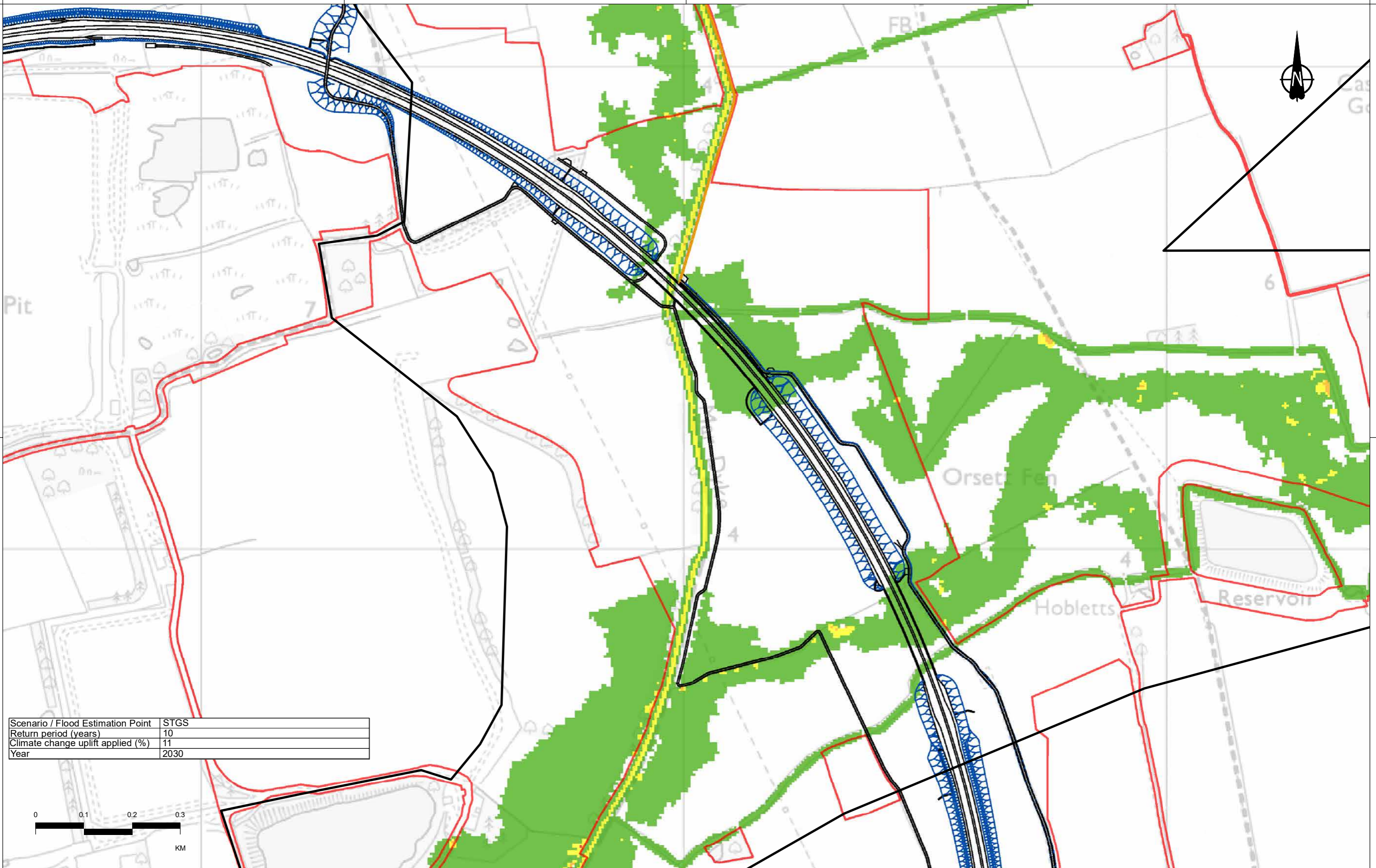
0 - 0.25  
 0.25 - 0.5  
 0.5 - 1.0  
 1.0 - 2  
 > 2.0



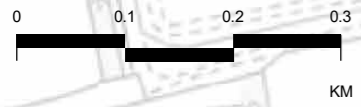
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 24 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00551				



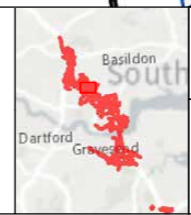
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

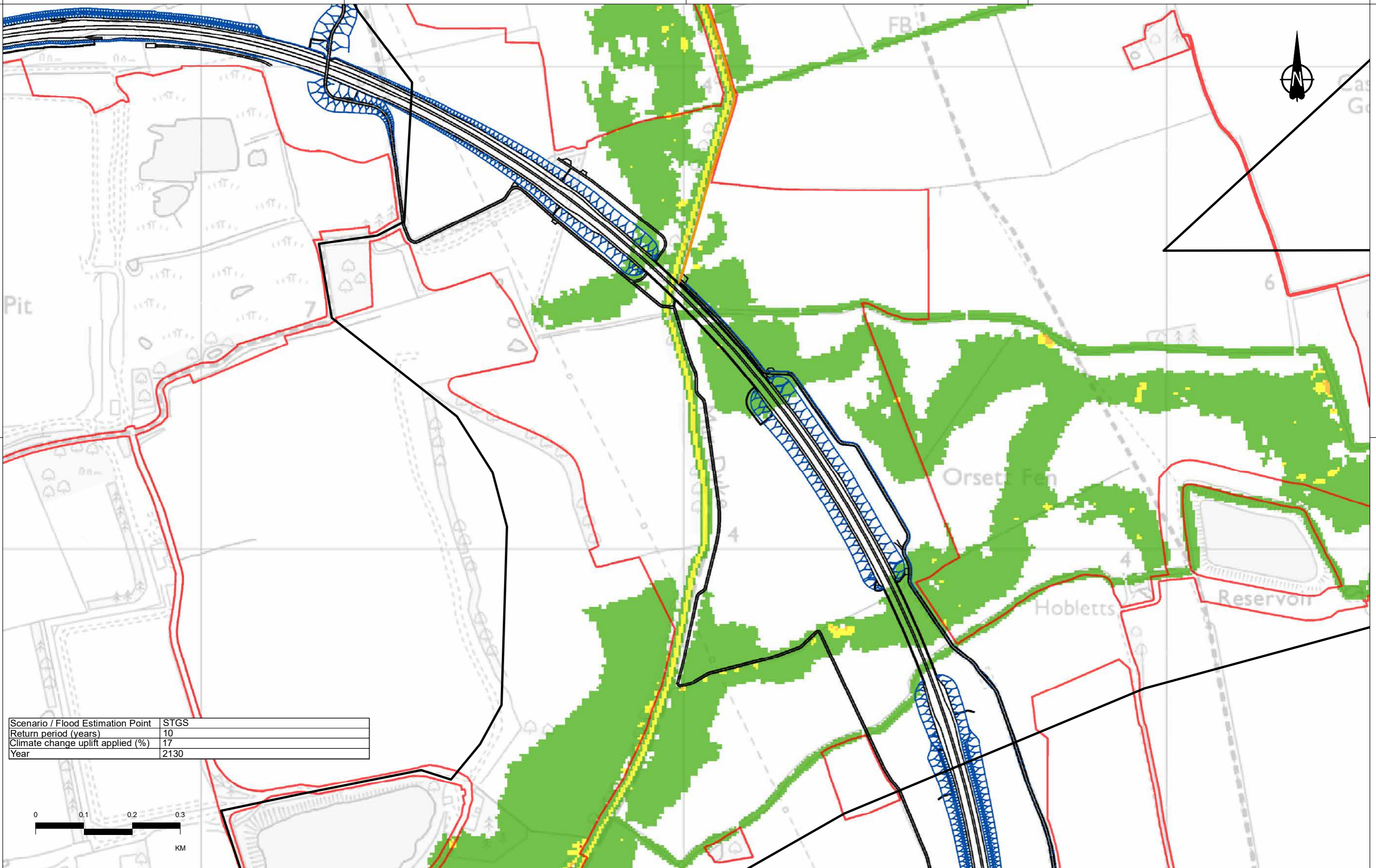
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0.25 - 0.5
	NMU Routes	0.5 - 1.0
		1.0 - 2
		> 2.0



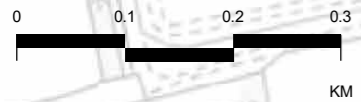
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 25 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00552				



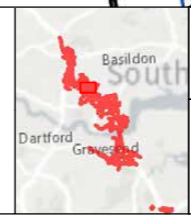
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0

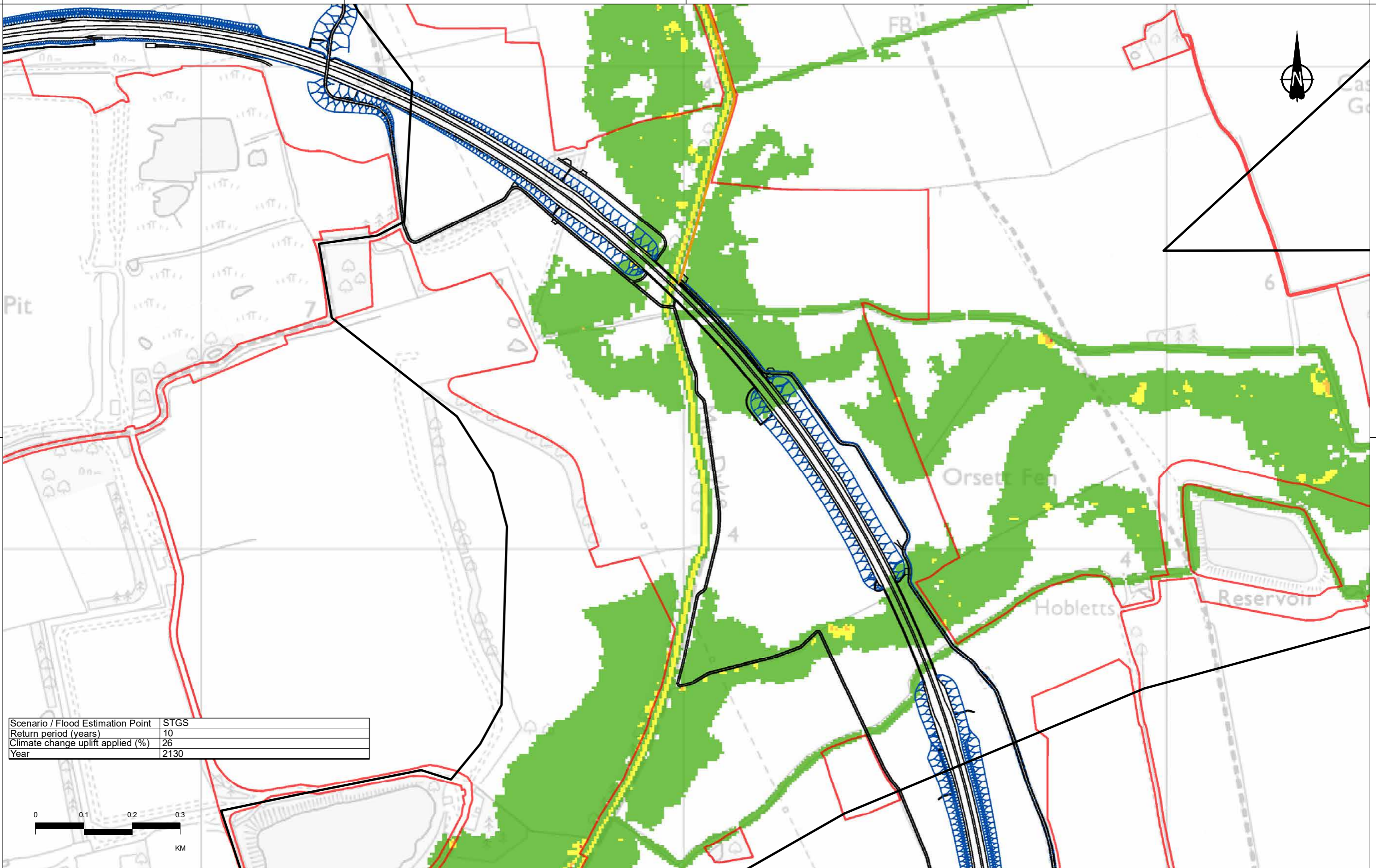


Client  
**national highways**

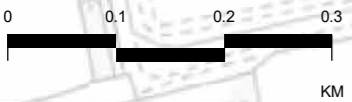
Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 26 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00553				



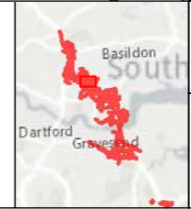


Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

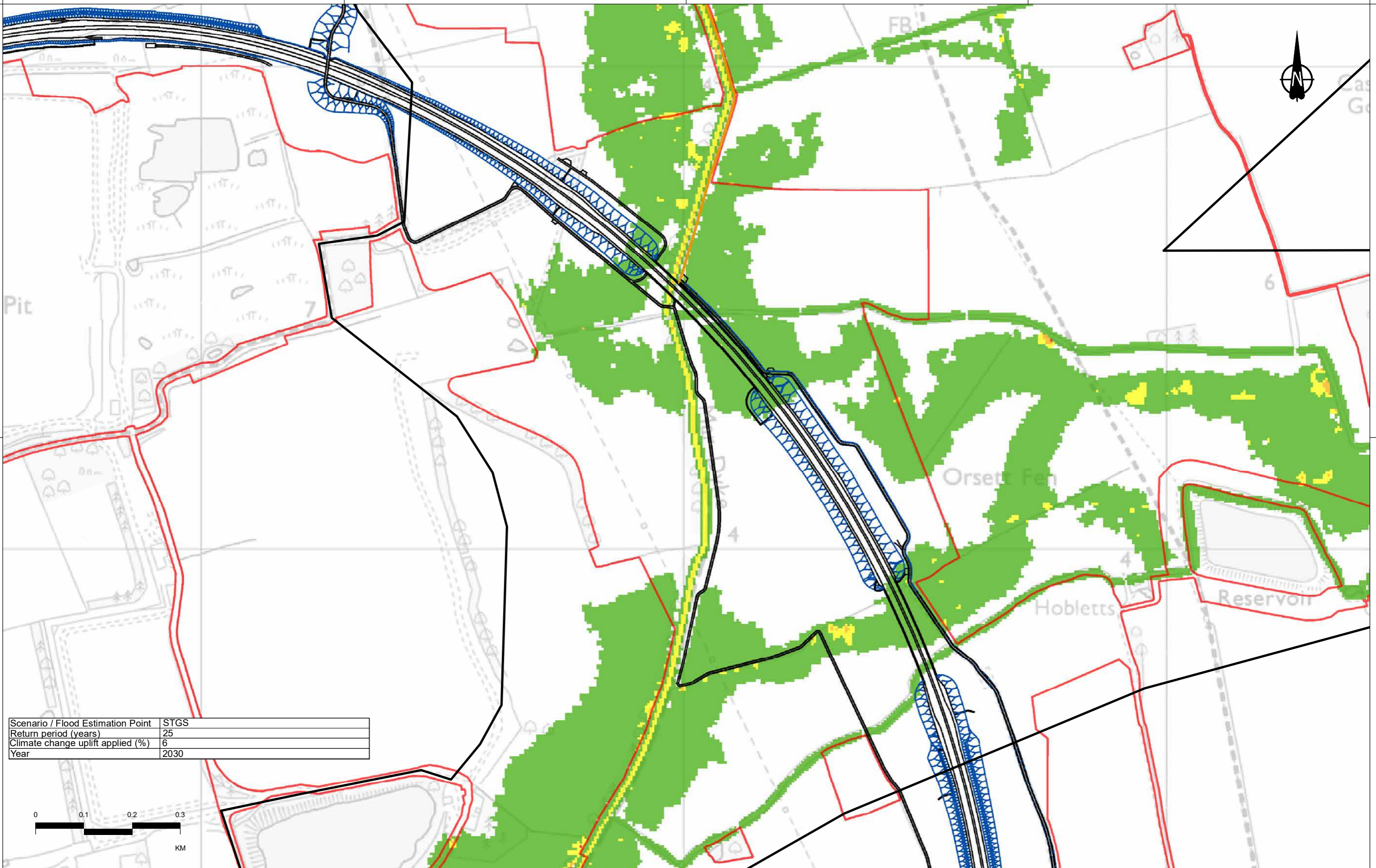
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



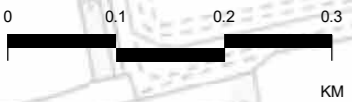
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 27 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00554				



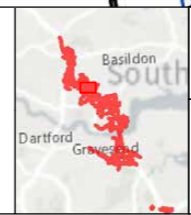
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

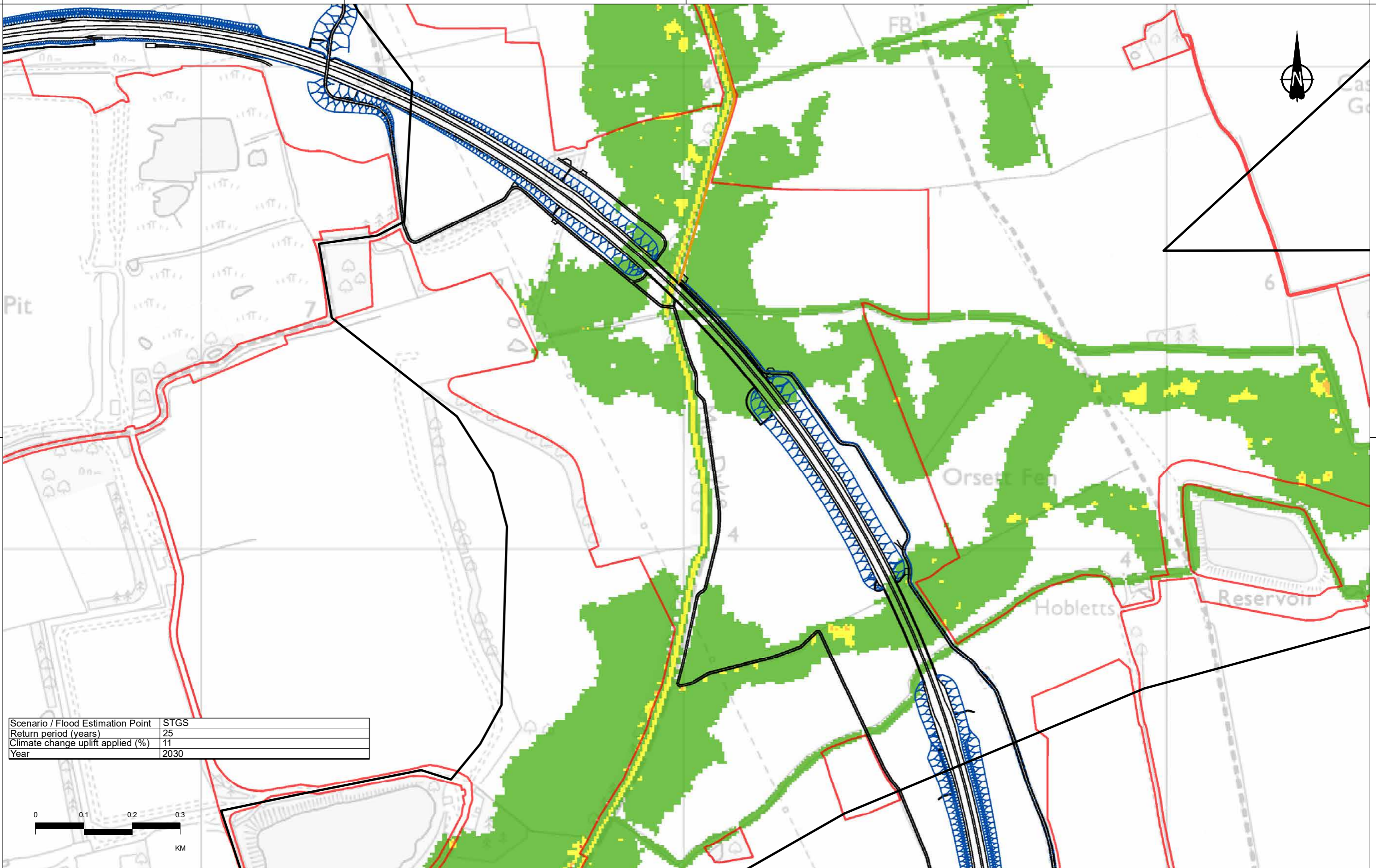
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0.25 - 0.5
	NMU Routes	0.5 - 1.0
		1.0 - 2
		> 2.0



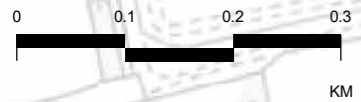
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 28 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00555				



Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	11
Year	2030



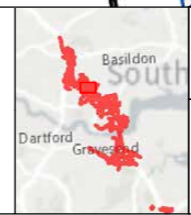
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

2D model extent  
 Order Limits

Proposed LTC alignment  
 Earthworks  
 NMU Routes

**Maximum flood velocity (m/s)**  
 0 - 0.25  
 0.25 - 0.5  
 0.5 - 1.0  
 1.0 - 2  
 > 2.0

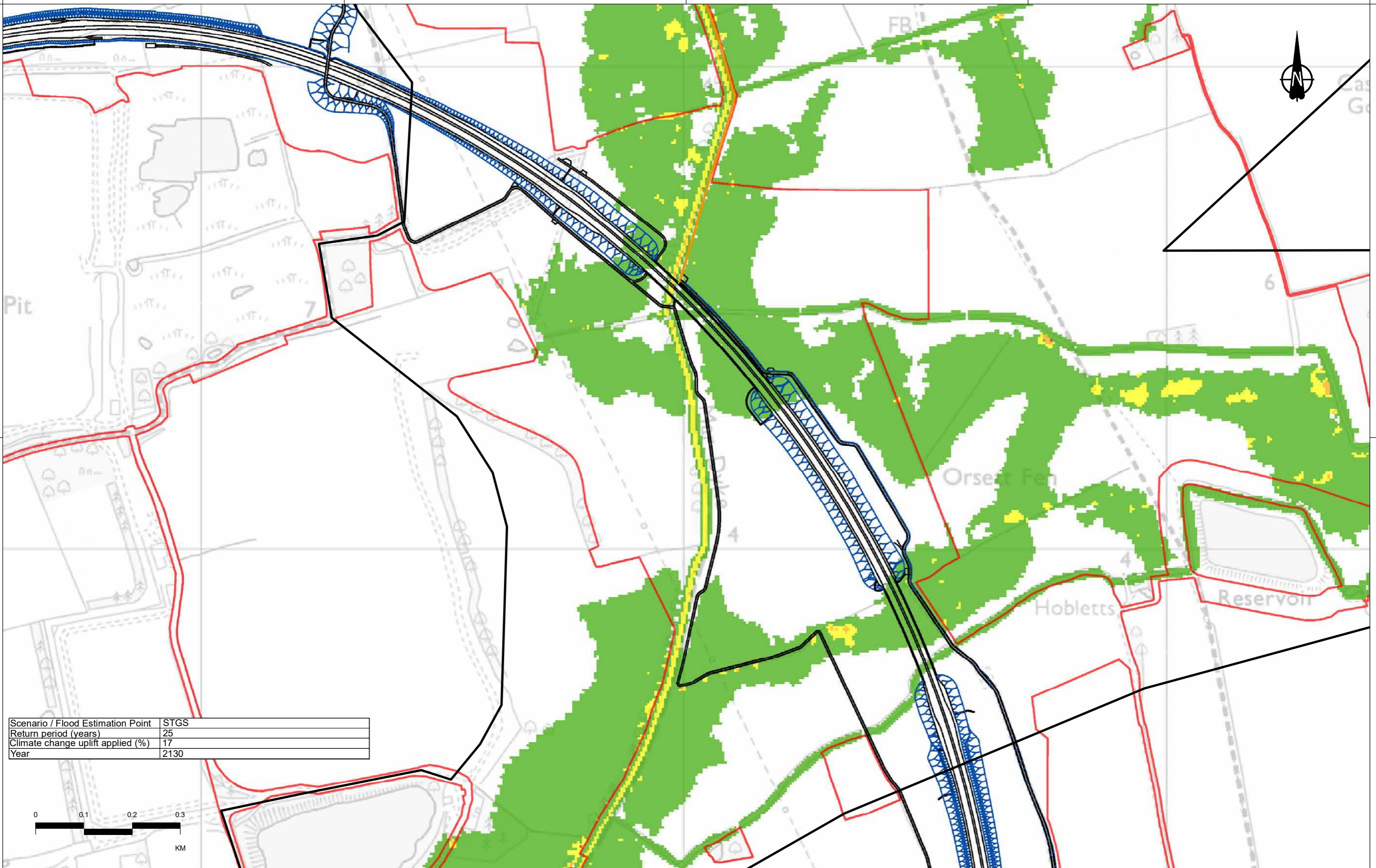


Client

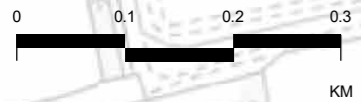
Project

**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 29 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00556				



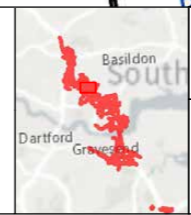
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

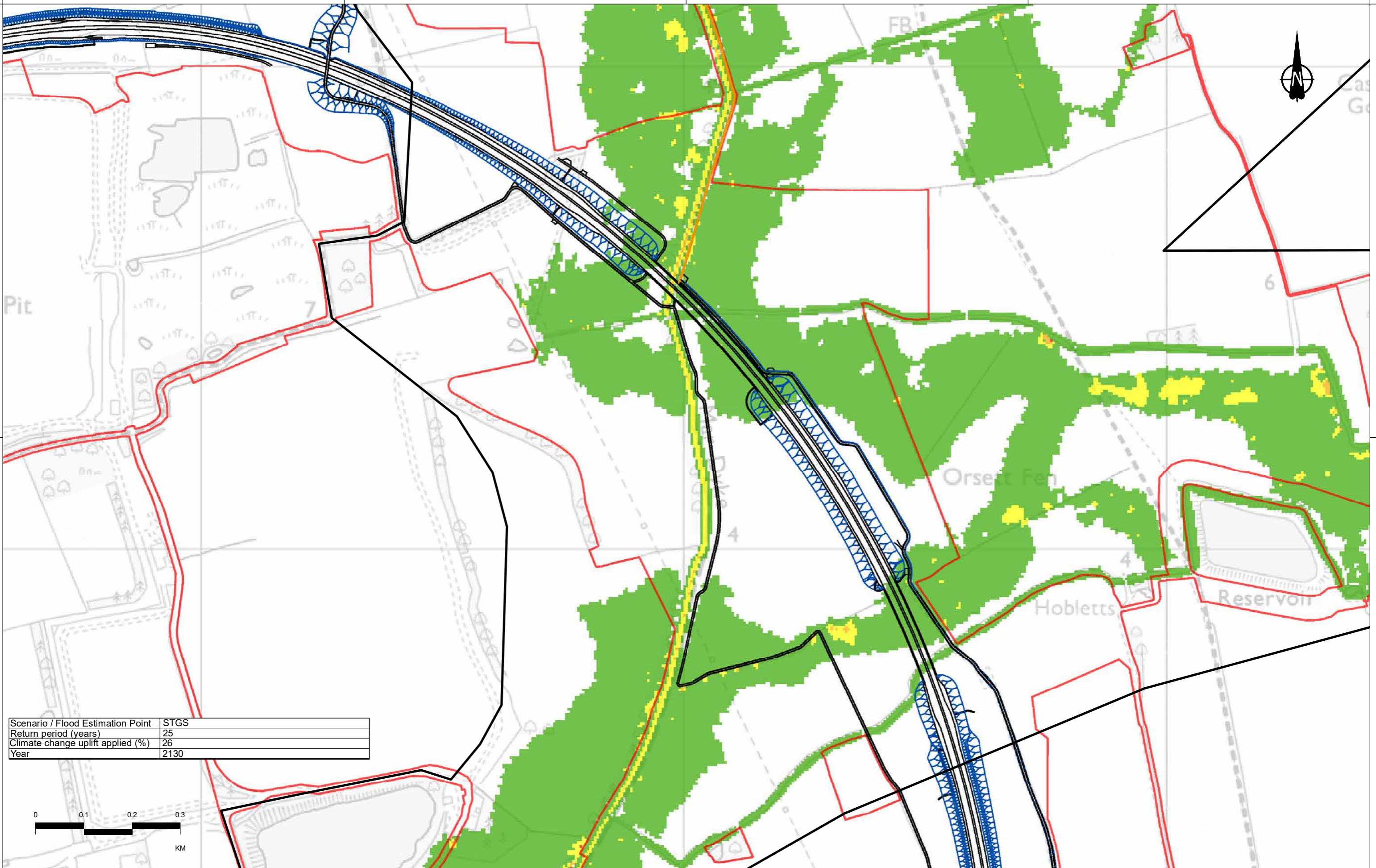
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



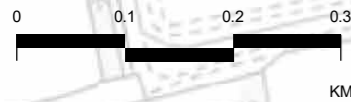
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 30 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00557				



Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	26
Year	2130



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

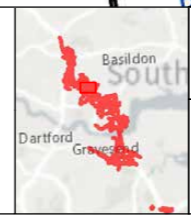
**Legend**

2D model extent
  Order Limits

Proposed LTC alignment
  Earthworks
  NMU Routes

**Maximum flood velocity (m/s)**

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 1.0
- 1.0 - 2
- > 2.0

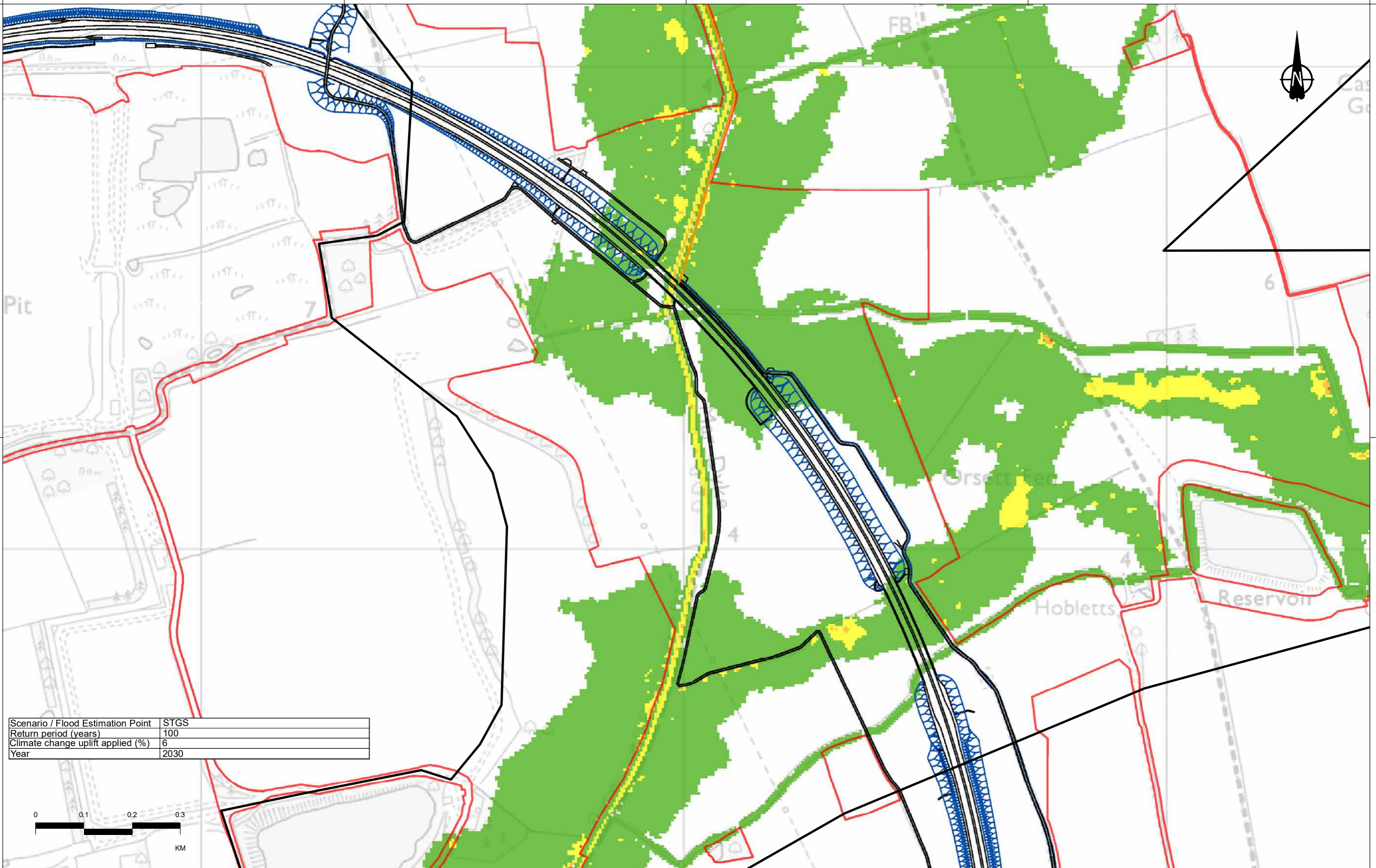


Client

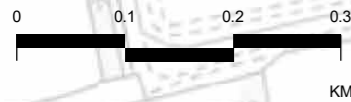
Project

**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 31 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00558				

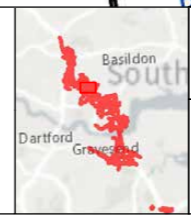


Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	6
Year	2030



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

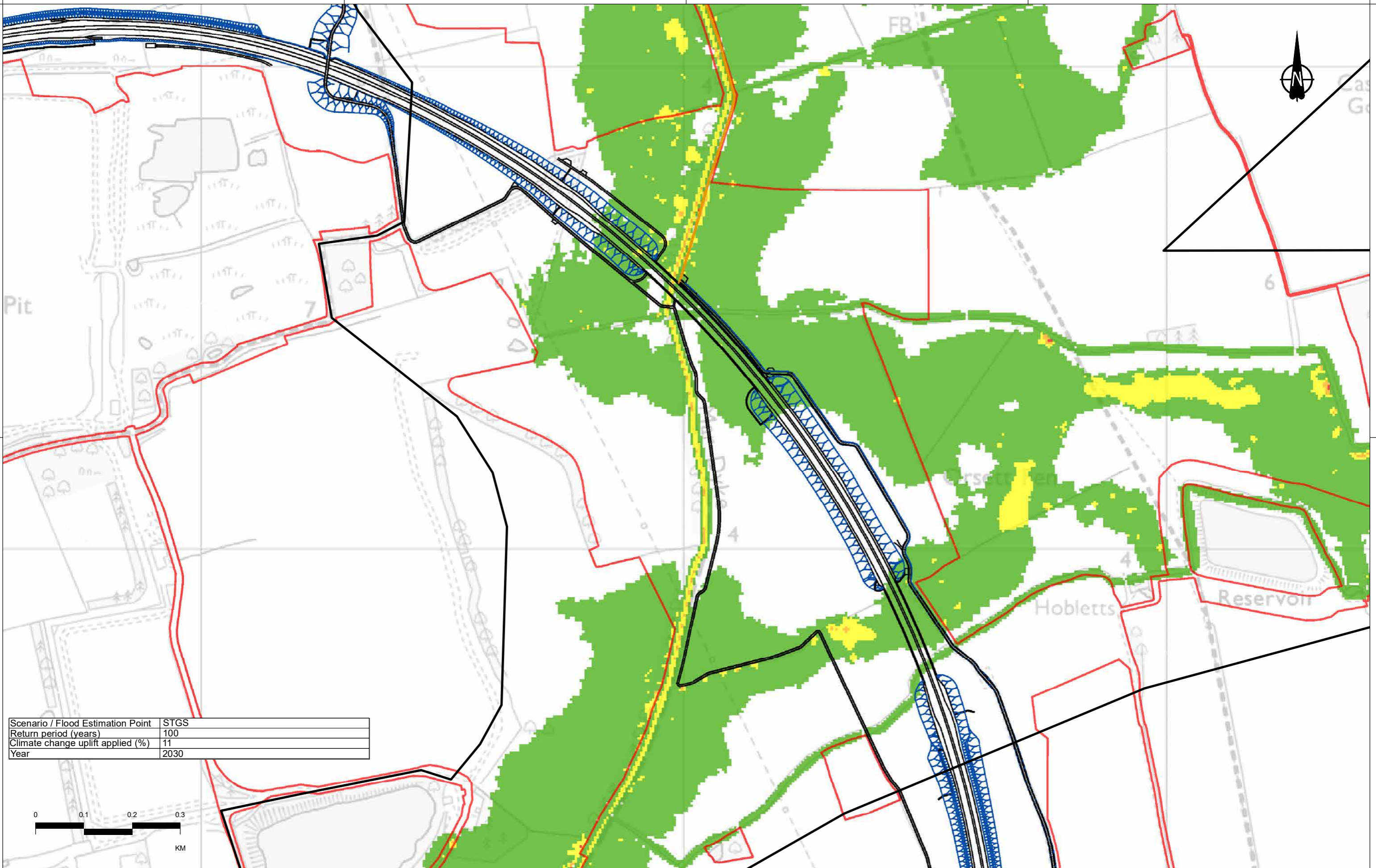
Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0



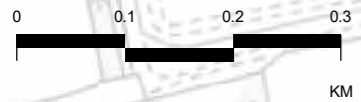
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 32 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00559				



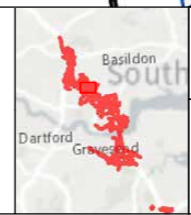
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

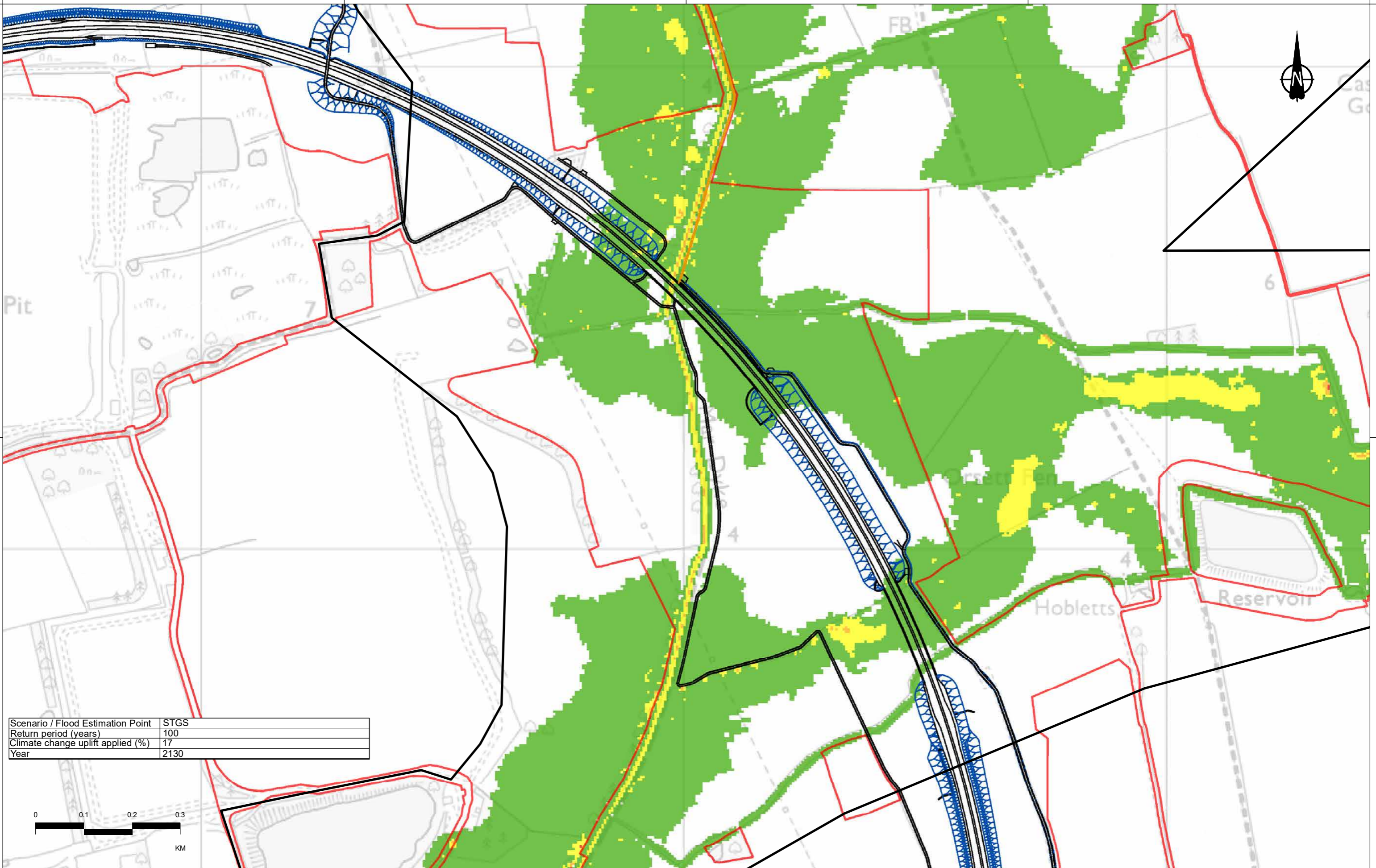
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



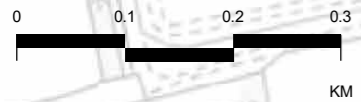
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 33 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00560				



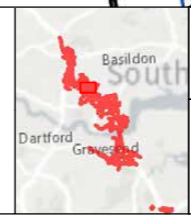
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0.25 - 0.5
	NMU Routes	0.5 - 1.0
		1.0 - 2
		> 2.0

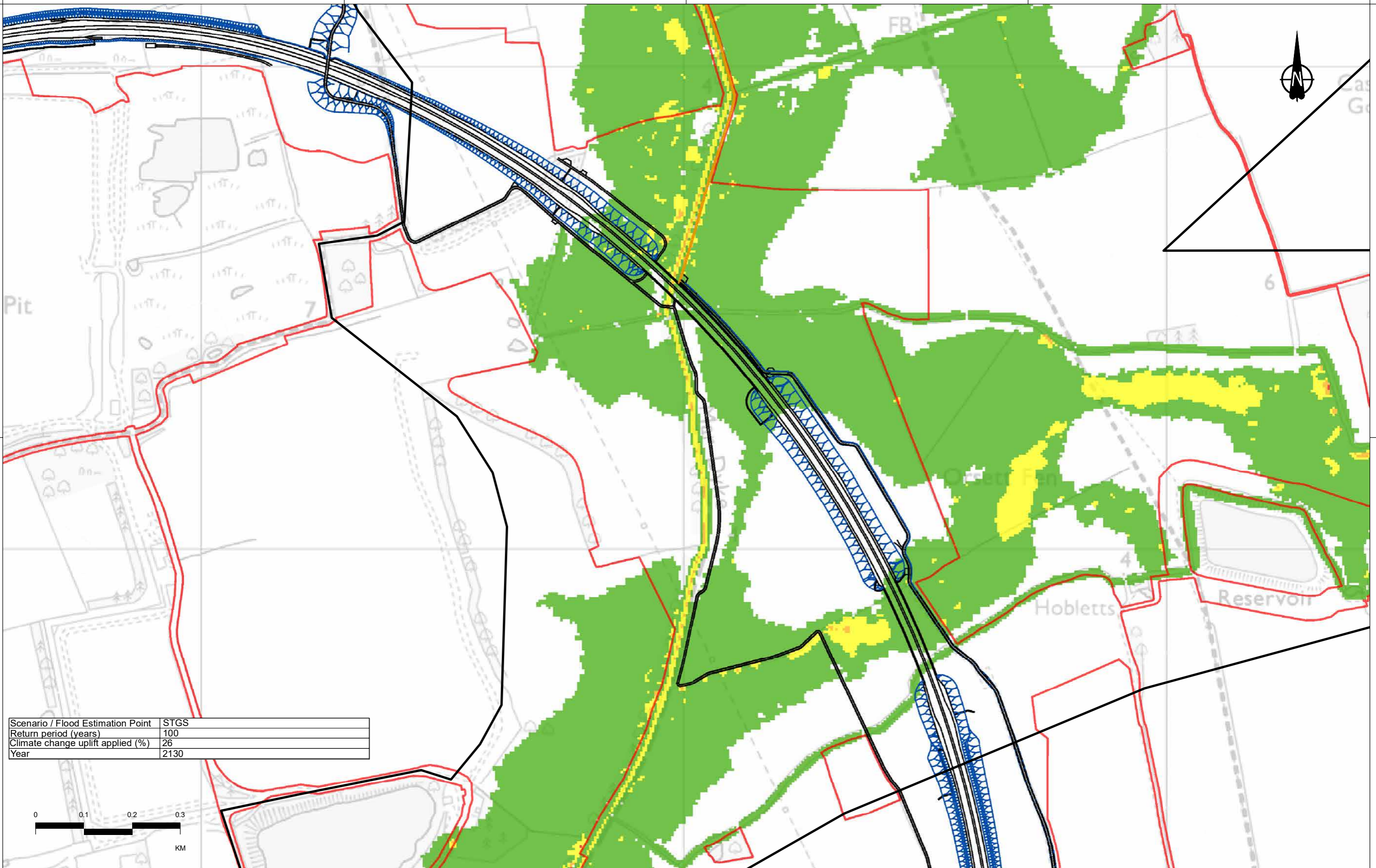


Client  
**national highways**

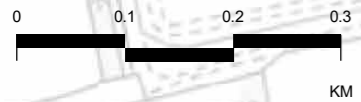
Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 34 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00561				





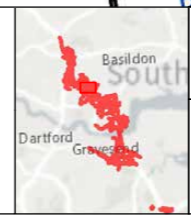
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

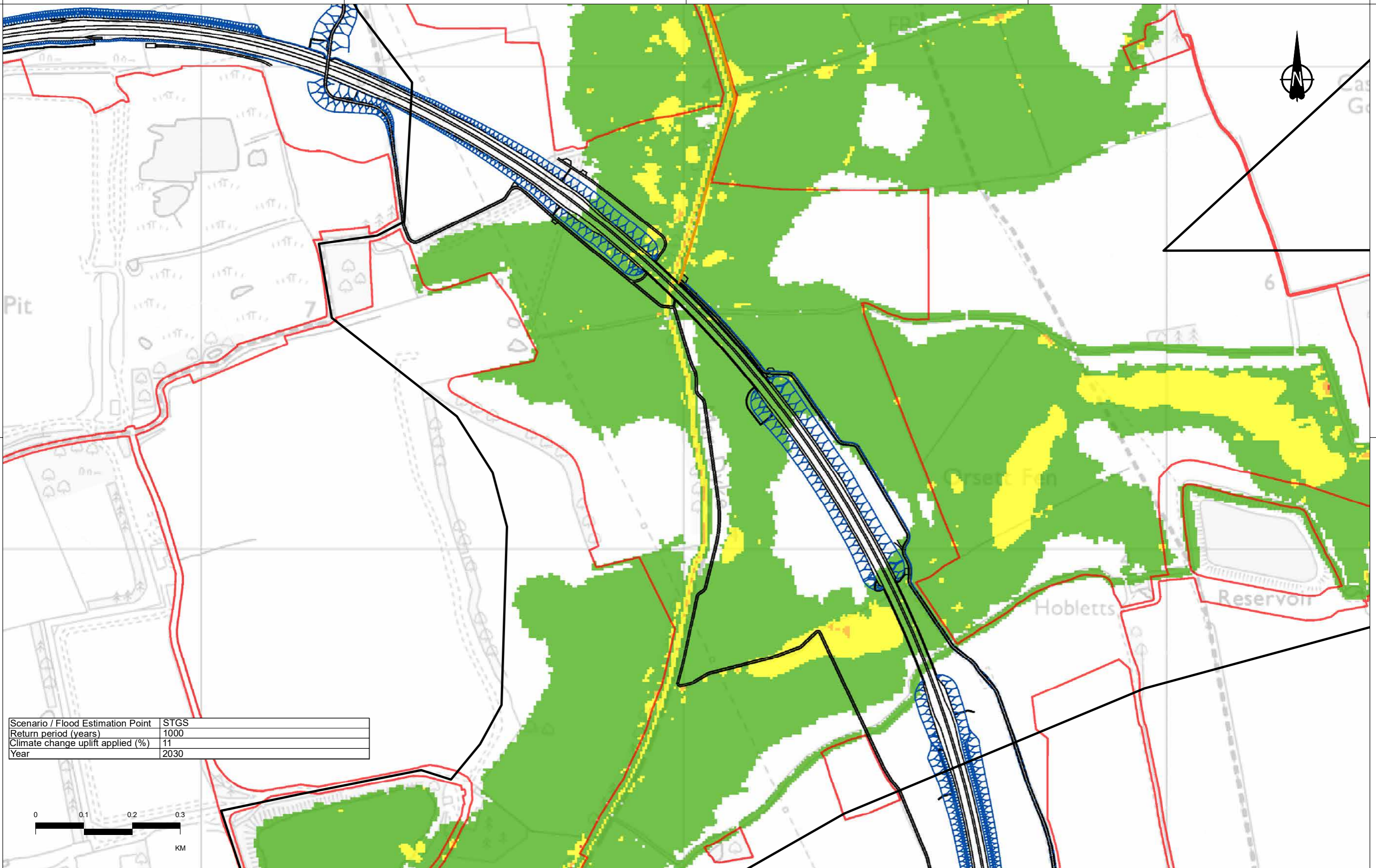
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0.25 - 0.5
	NMU Routes	0.5 - 1.0
		1.0 - 2
		> 2.0



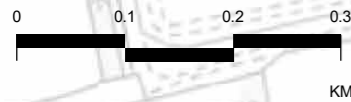
Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 35 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00562				



Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

2D model extent  
 — Proposed LTC alignment  
 Maximum flood velocity (m/s)

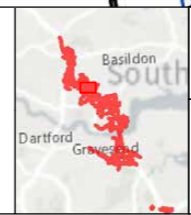
Order Limits  
 — Alignment  
  0 - 0.25

— Earthworks  
  0.25 - 0.5

— NMU Routes  
  0.5 - 1.0

1.0 - 2

> 2.0

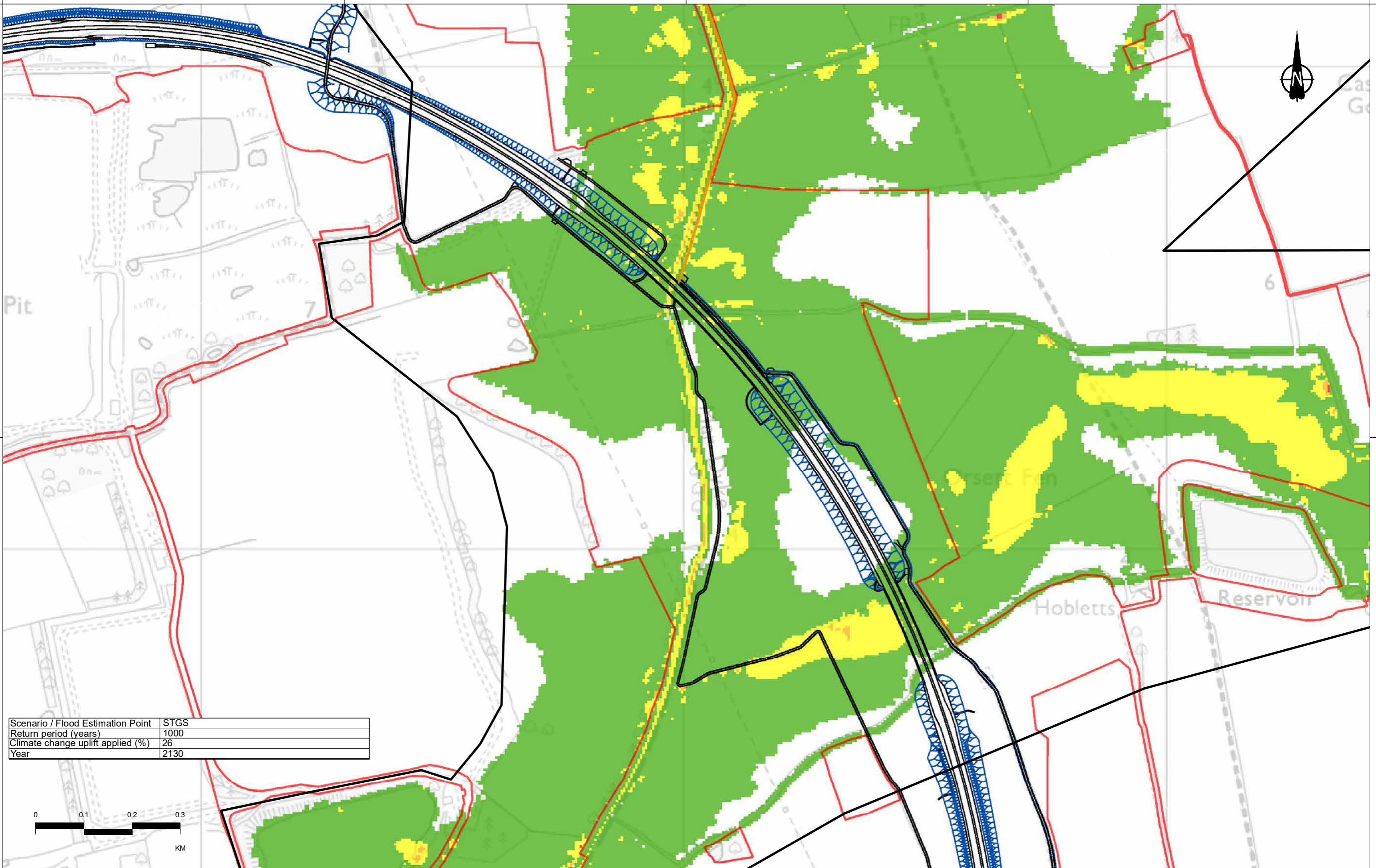


Client

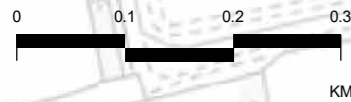
Project

**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 36 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00563				



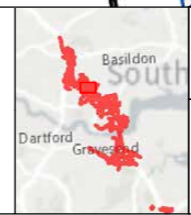
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	26
Year	2130



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P01 SB 10/10/2022 DCO Application KK RB BF
Rev Status Rev. Date Purpose of revision Drawn Check'd Appr'd

**Legend**

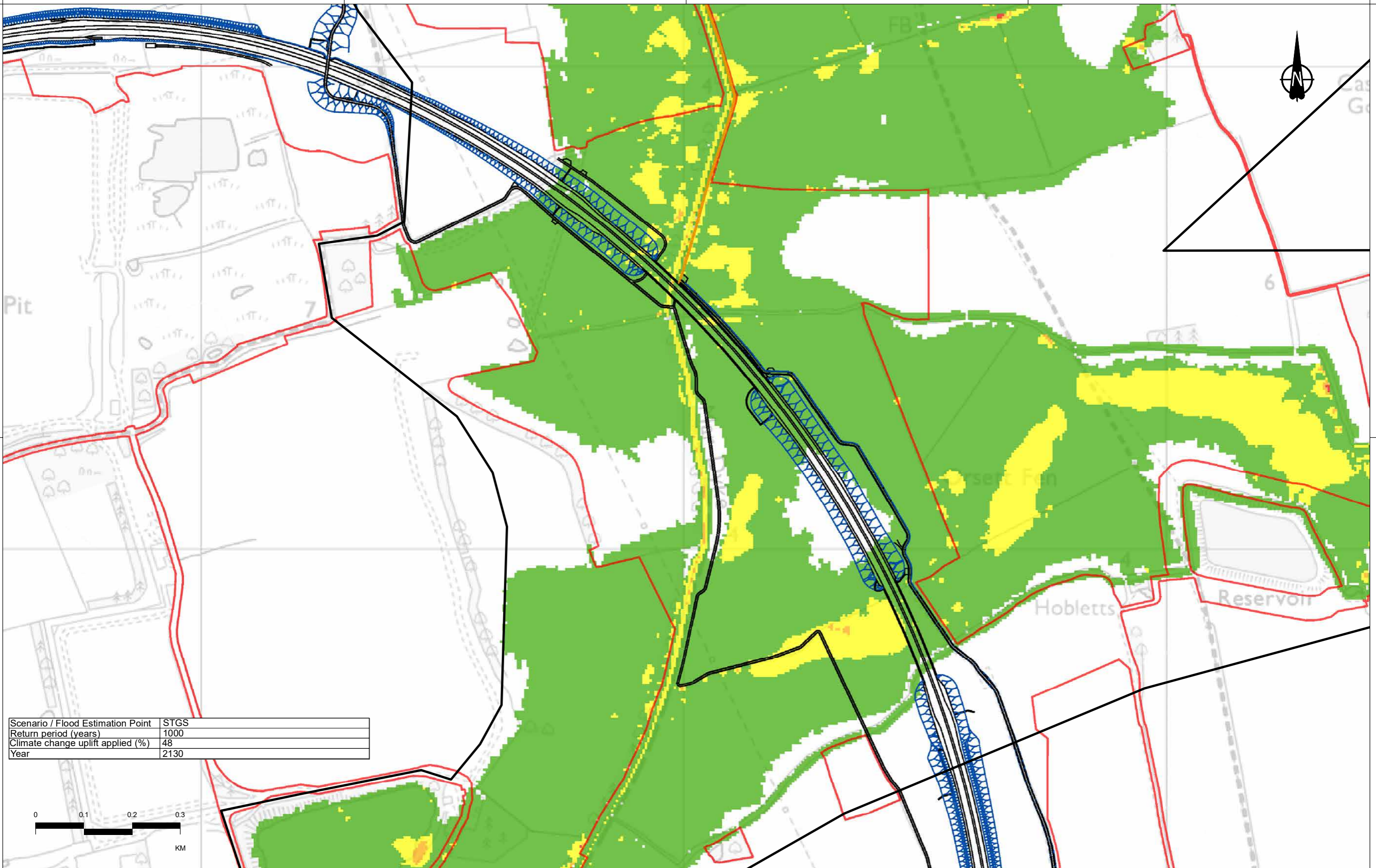
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0.25 - 0.5
	NMU Routes	0.5 - 1.0
		1.0 - 2
		> 2.0



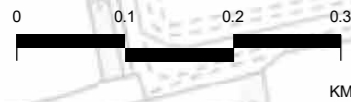
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 37 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00564				



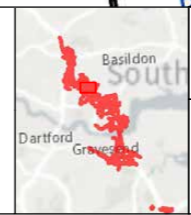
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	48
Year	2130



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

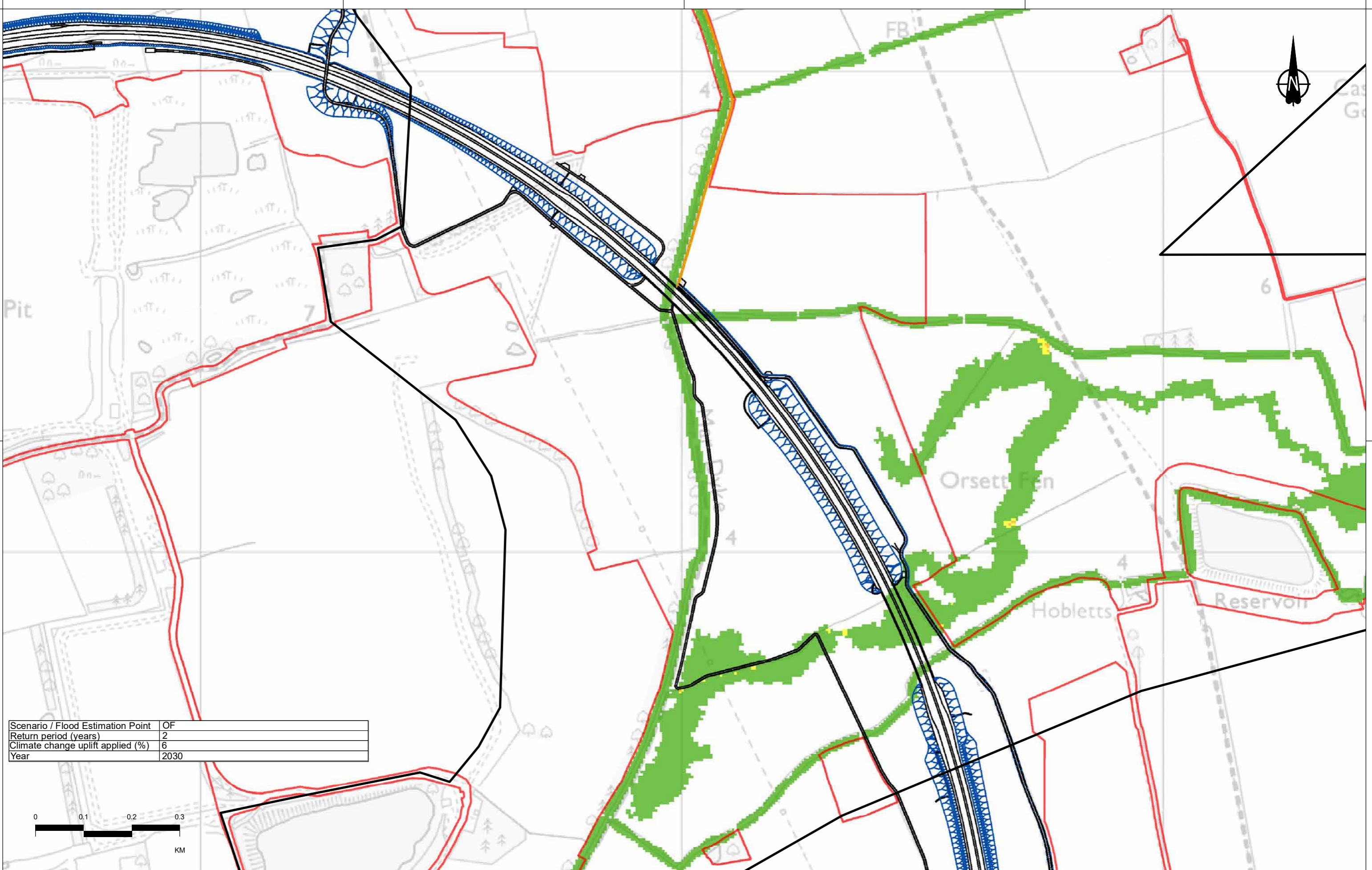
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



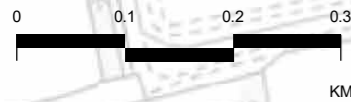
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Pre-development Sheet 38 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00565				



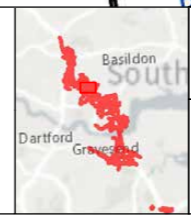
Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

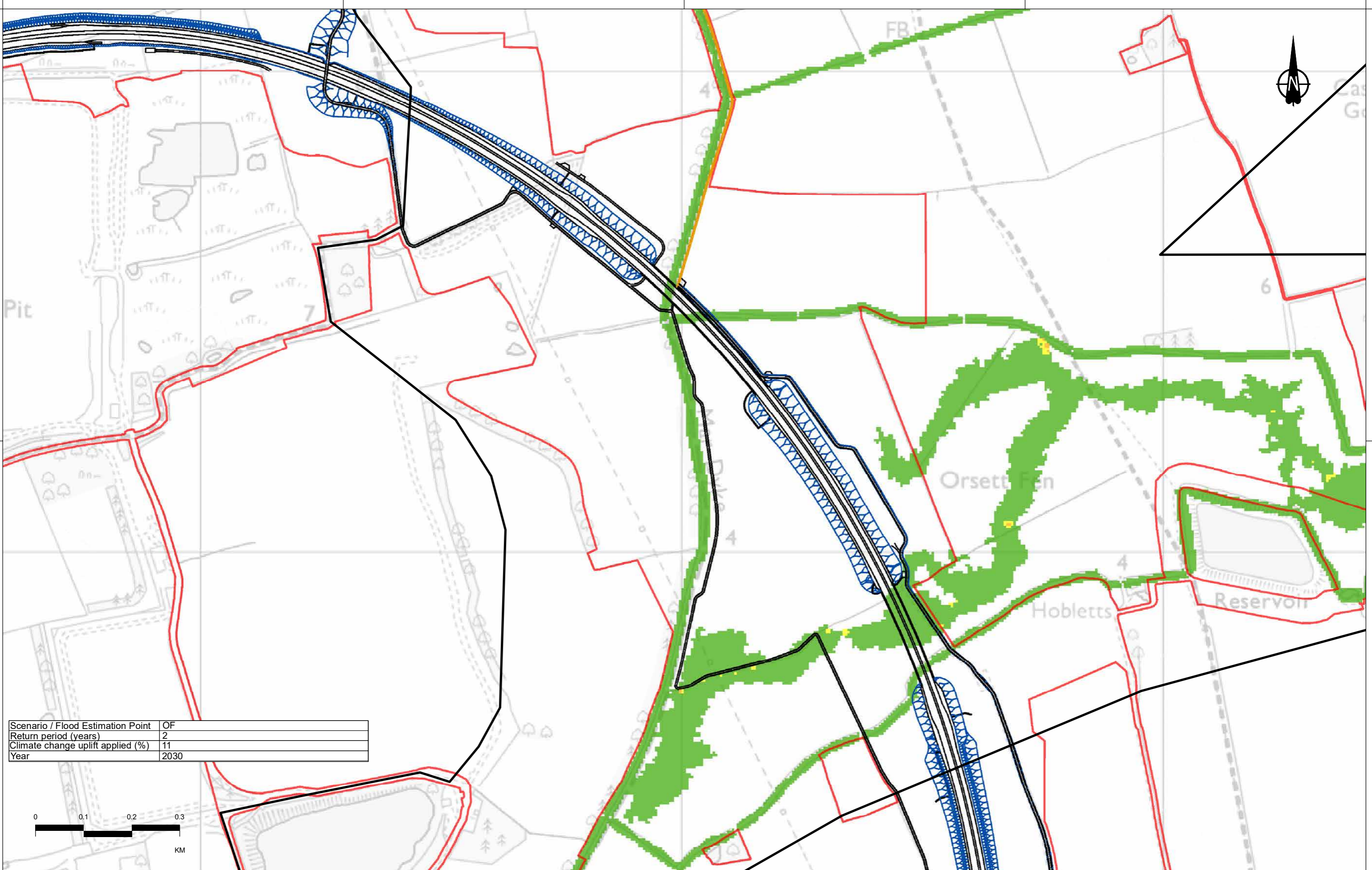
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



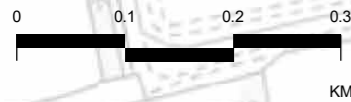
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> Maximum flood velocity Post-development (without mitigation) Sheet 1 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00566				

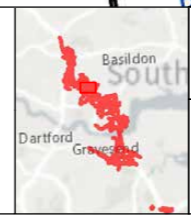


Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	11
Year	2030



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

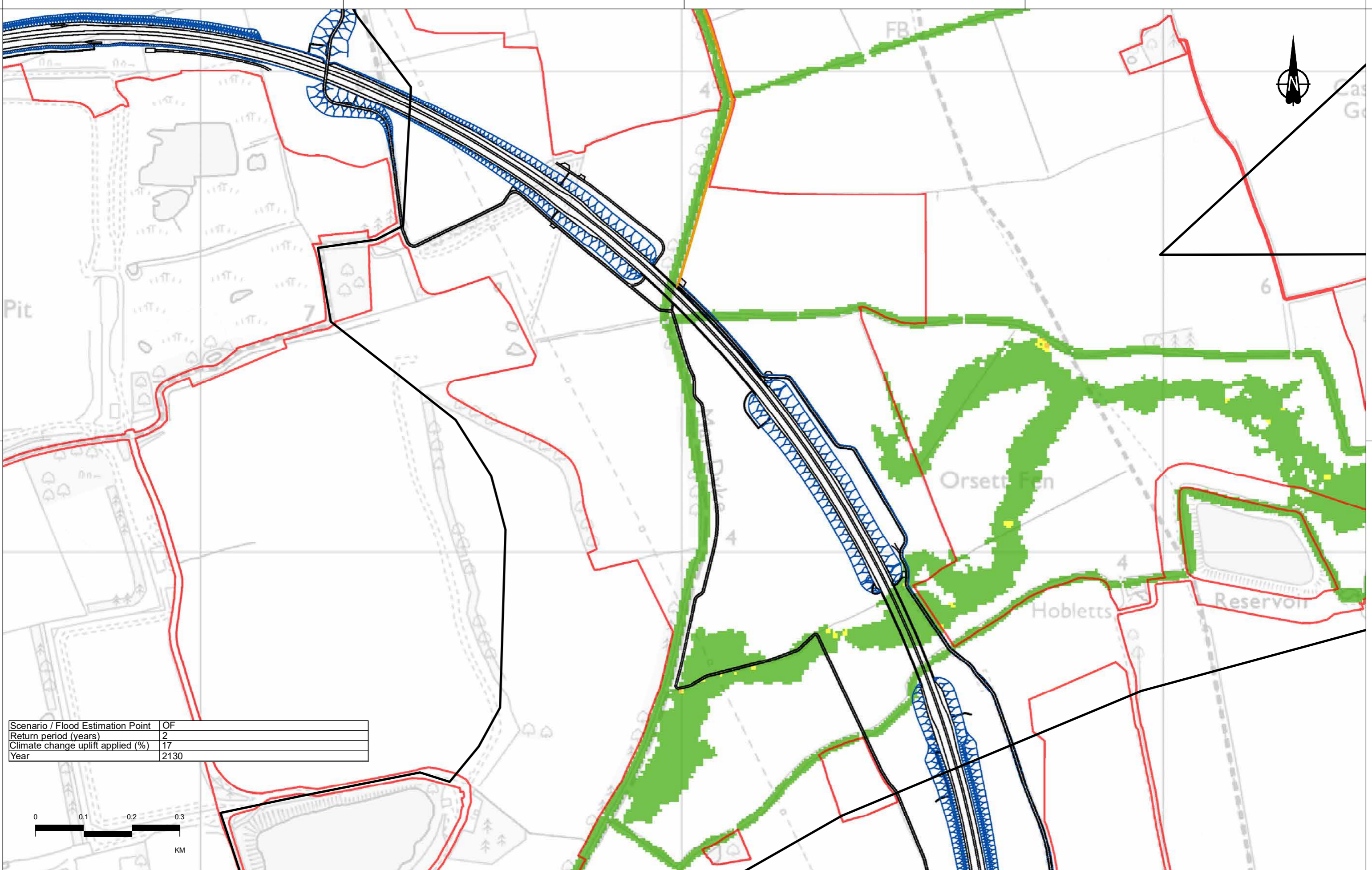
Legend		Maximum flood velocity (m/s)	
	2D model extent		0 - 0.25
	Order Limits		0.25 - 0.5
	Alignment		0.5 - 1.0
	Earthworks		1.0 - 2
	NMU Routes		> 2.0



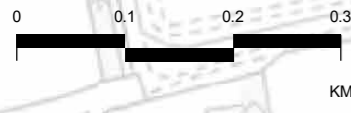
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 2 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00567				

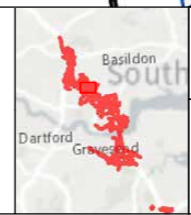


Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	17
Year	2130



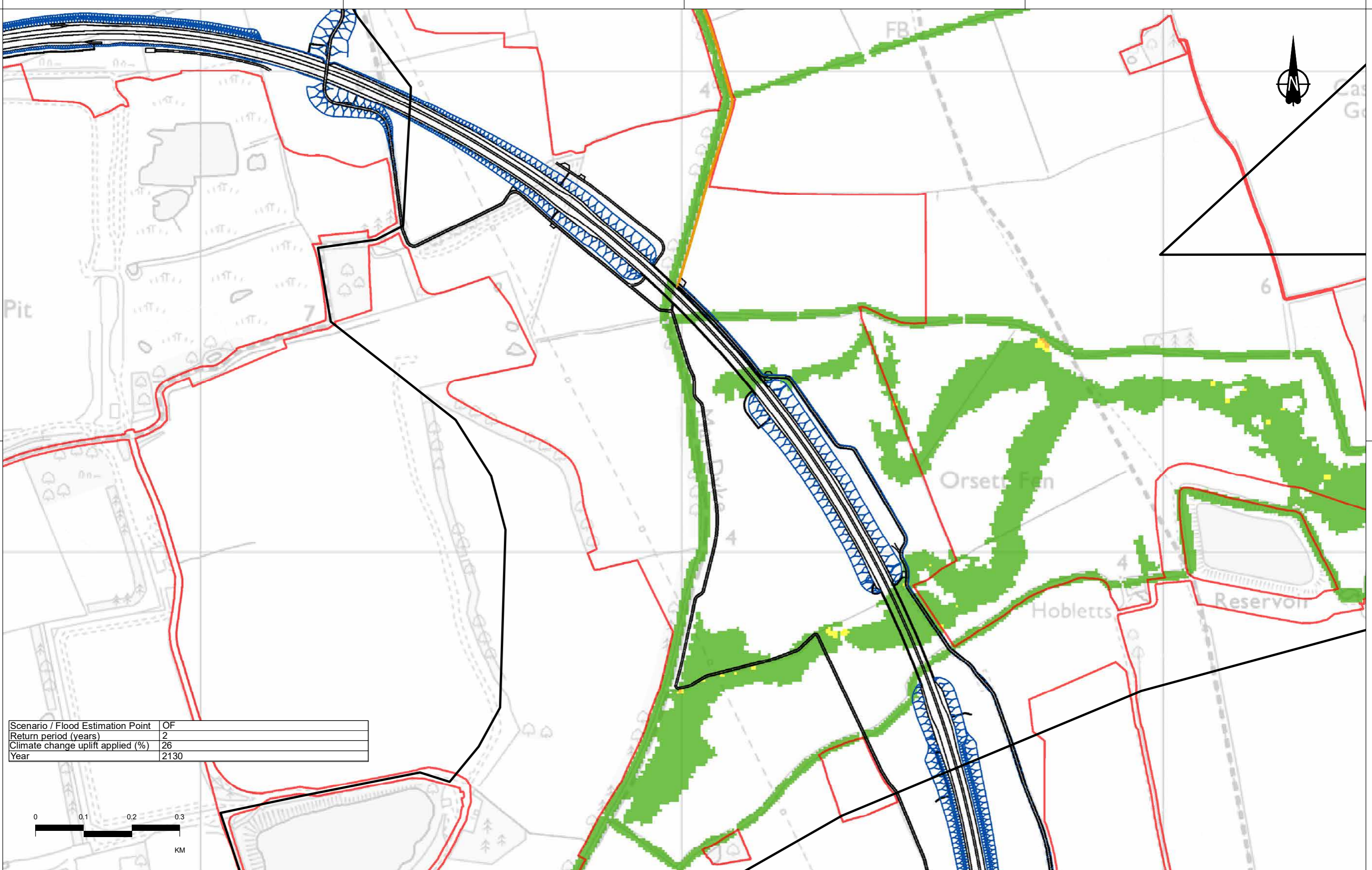
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

Legend		Maximum flood velocity (m/s)	
	2D model extent		0 - 0.25
	Order Limits		0.25 - 0.5
	Alignment		0.5 - 1.0
	Earthworks		1.0 - 2
	NMU Routes		> 2.0

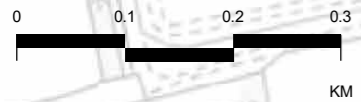


Client  
  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 3 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00568				



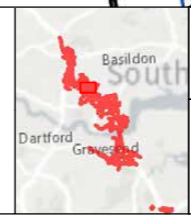
Scenario / Flood Estimation Point	OF
Return period (years)	2
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0

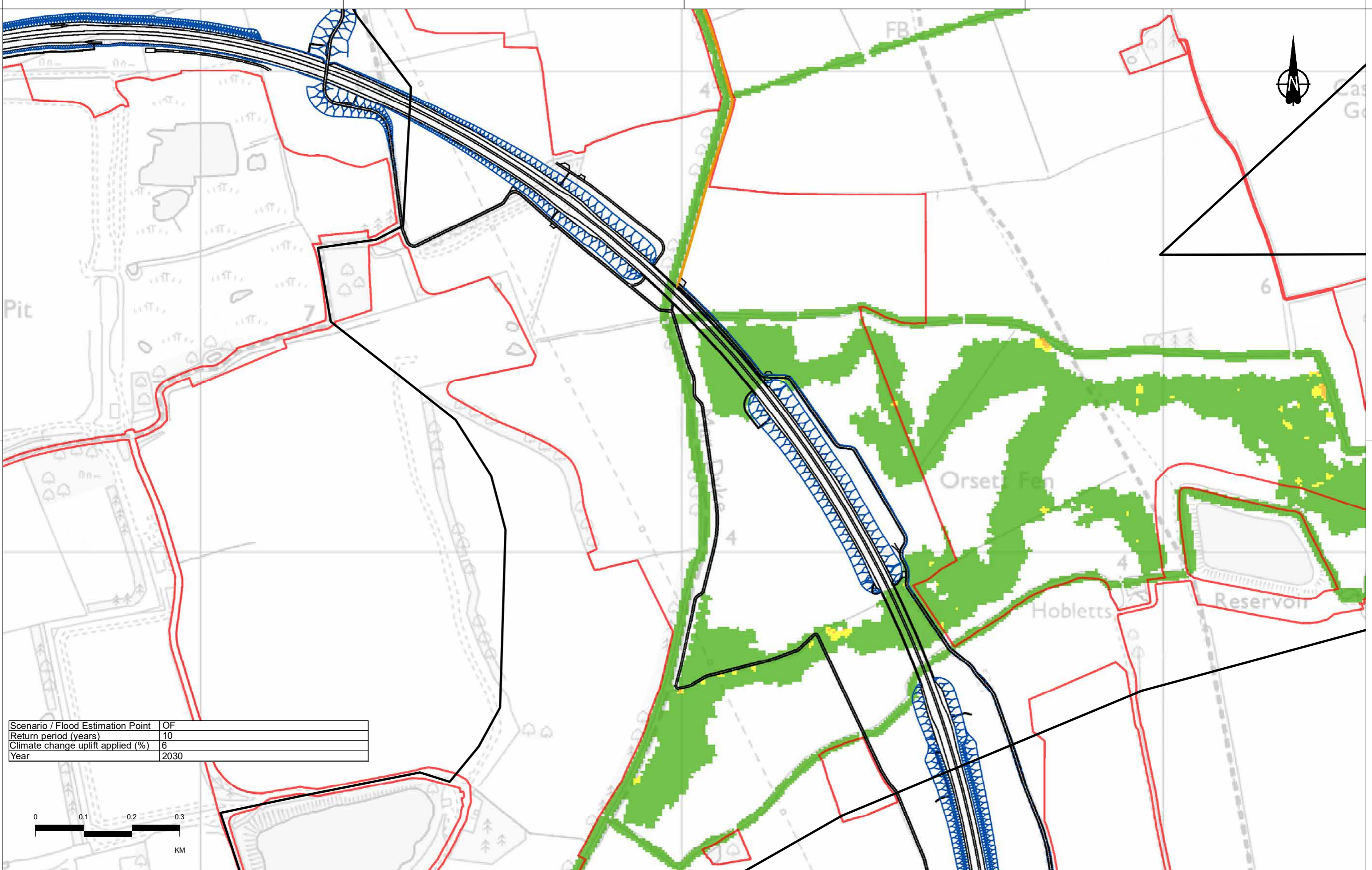


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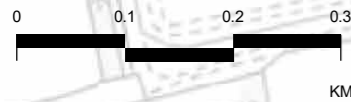
Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> Maximum flood velocity Post-development (without mitigation) Sheet 4 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00569				



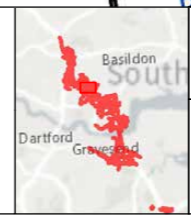


Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

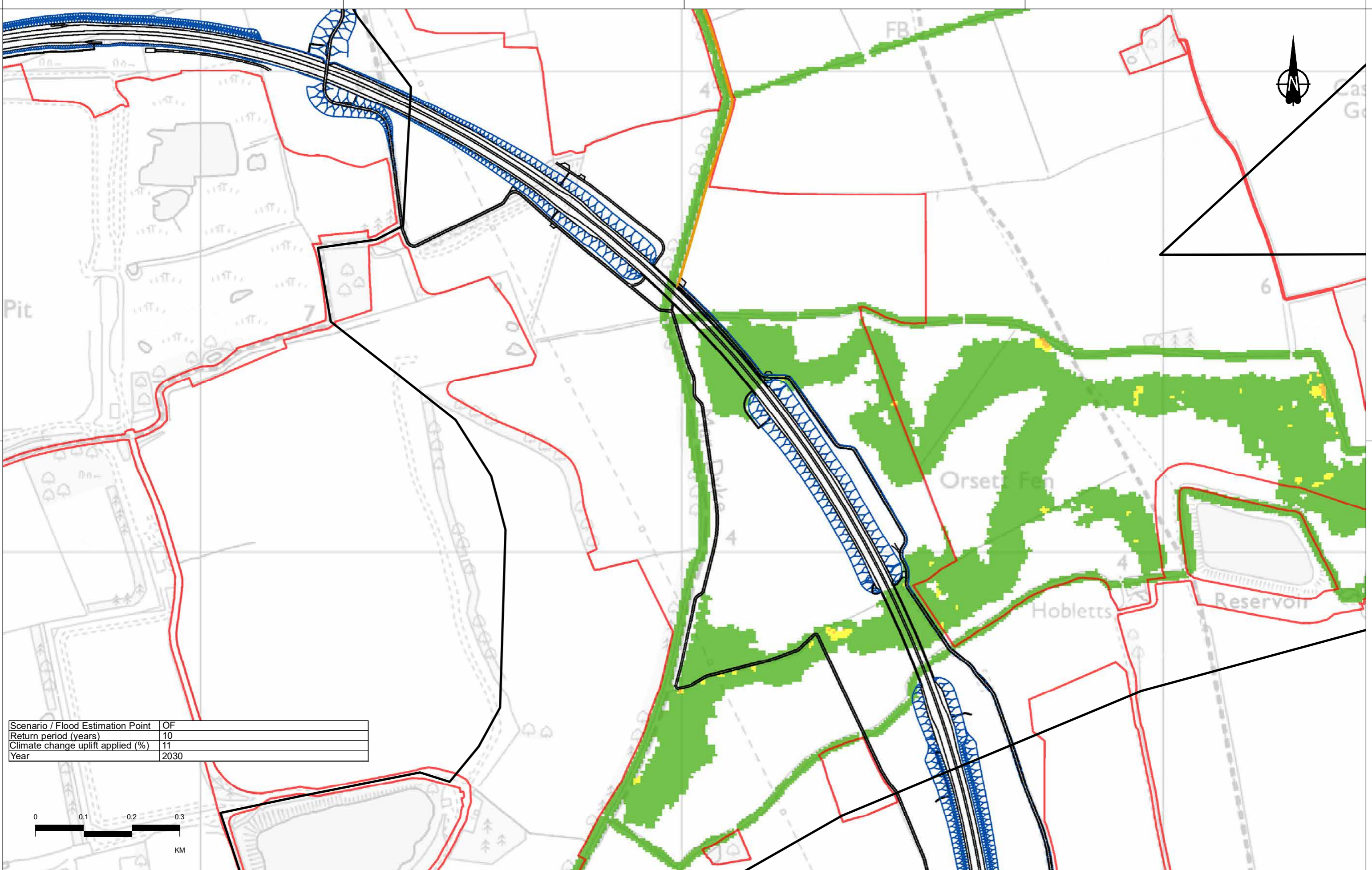
Legend		Maximum flood velocity (m/s)
	2D model extent	
	Order Limits	
	Alignment	
	Earthworks	
	NMU Routes	



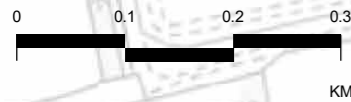
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 5 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00570				



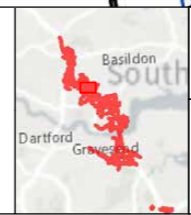
Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

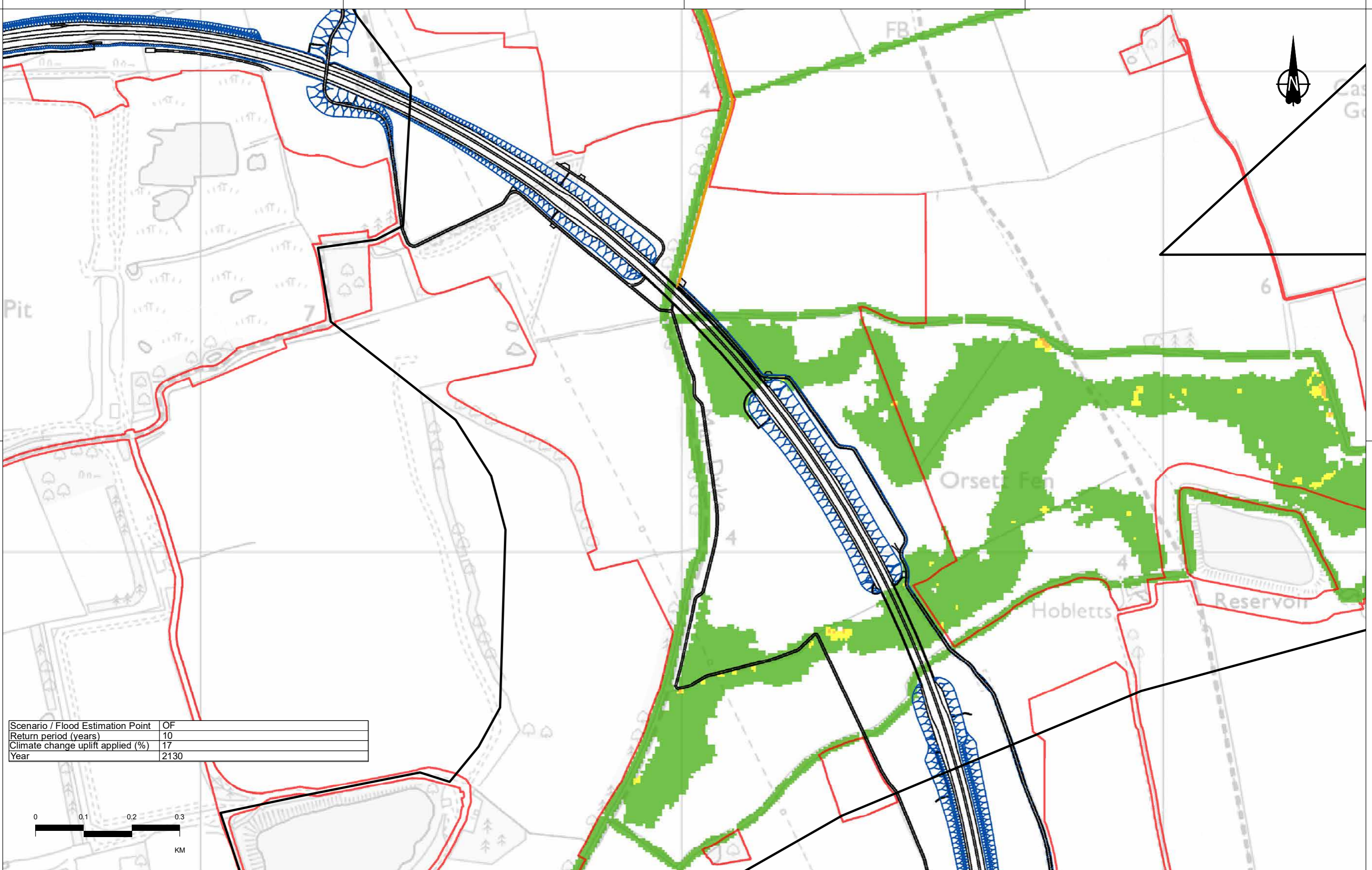
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



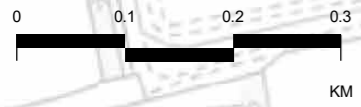
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood velocity</b> <b>Post-development (without mitigation)</b> <b>Sheet 6 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00571				



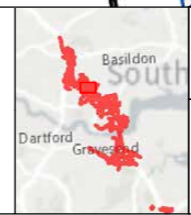
Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

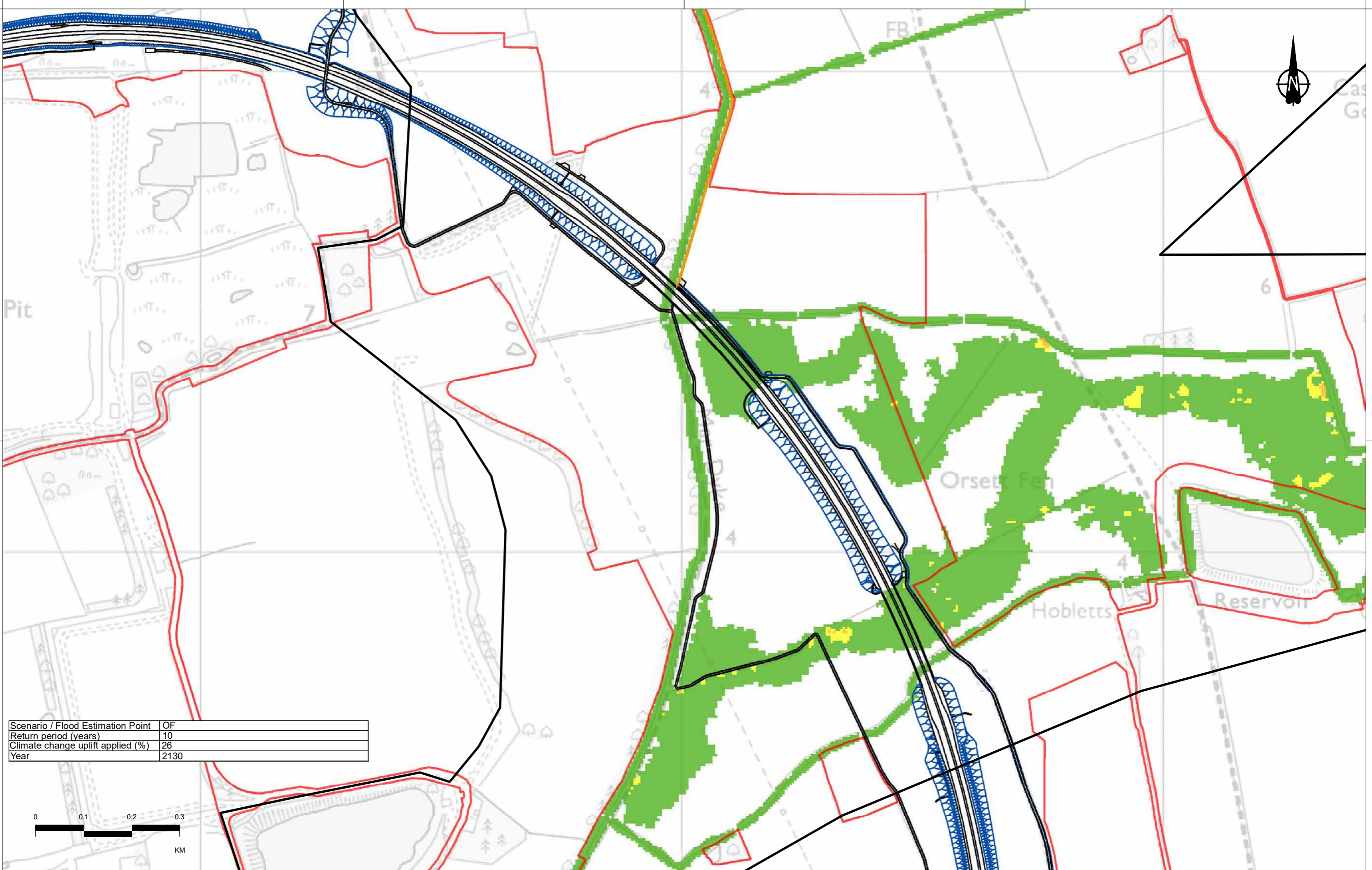
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



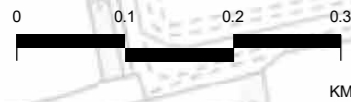
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> Maximum flood velocity Post-development (without mitigation) Sheet 7 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00572				



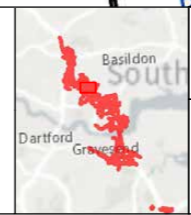
Scenario / Flood Estimation Point	OF
Return period (years)	10
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

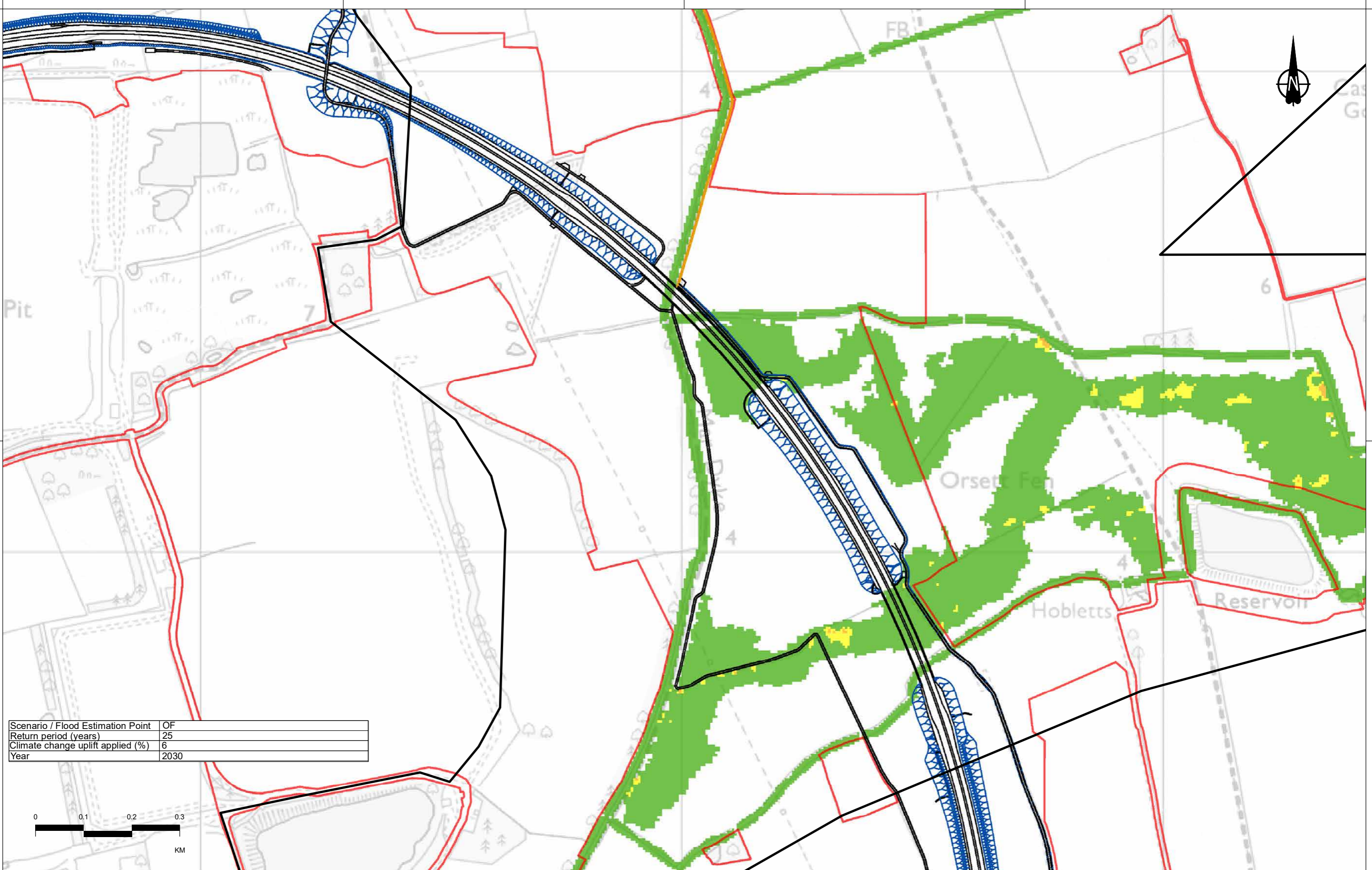
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



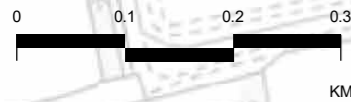
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 8 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00573				

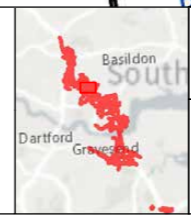


Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	6
Year	2030



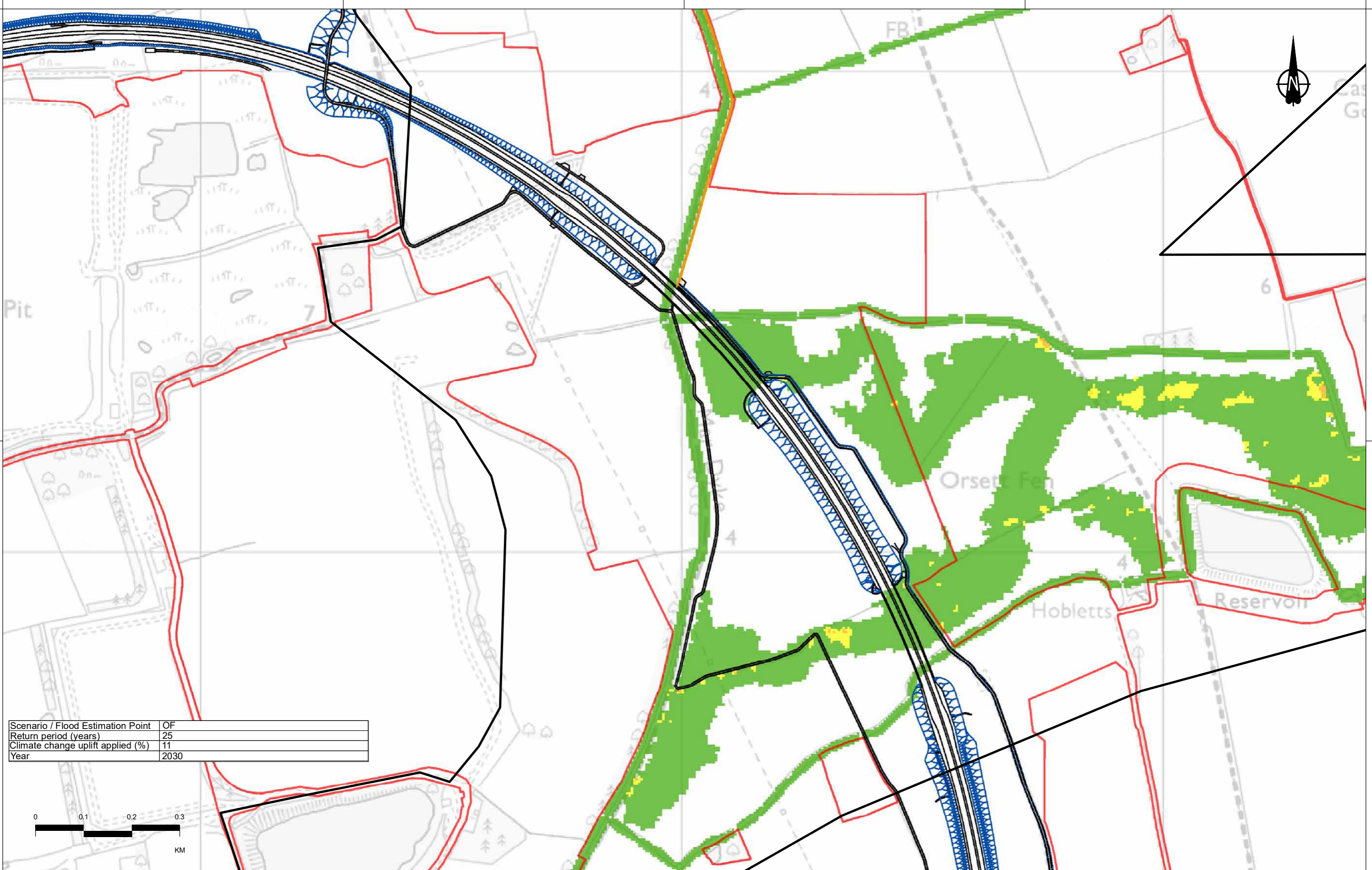
<small>Contains Ordnance Survey data. All other copyright and database rights 2022. Ordnance Survey 100030649</small>						
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Proposed LTC alignment	Maximum flood velocity (m/s)
	2D model extent		
	Order Limits		

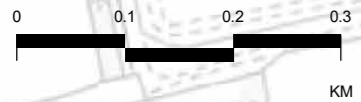


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 national highways  
 Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> Maximum flood velocity Post-development (without mitigation) Sheet 9 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00574				



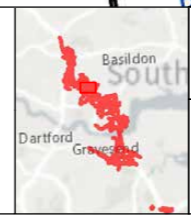
Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0

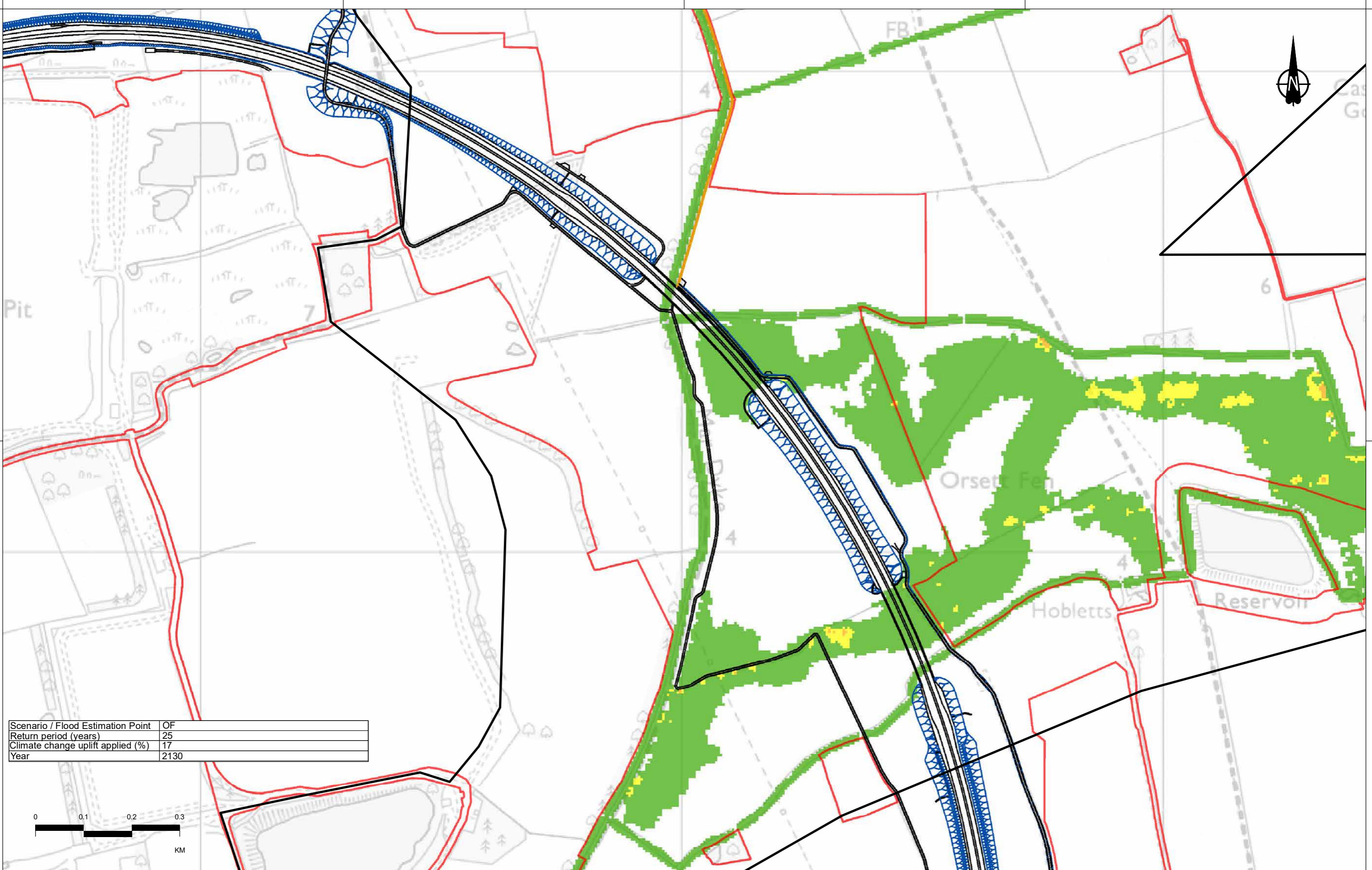


Client

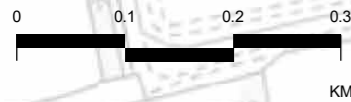
Project

**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> Maximum flood velocity Post-development (without mitigation) Sheet 10 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00575				

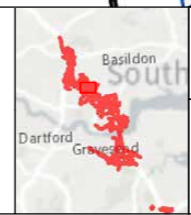


Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	17
Year	2130



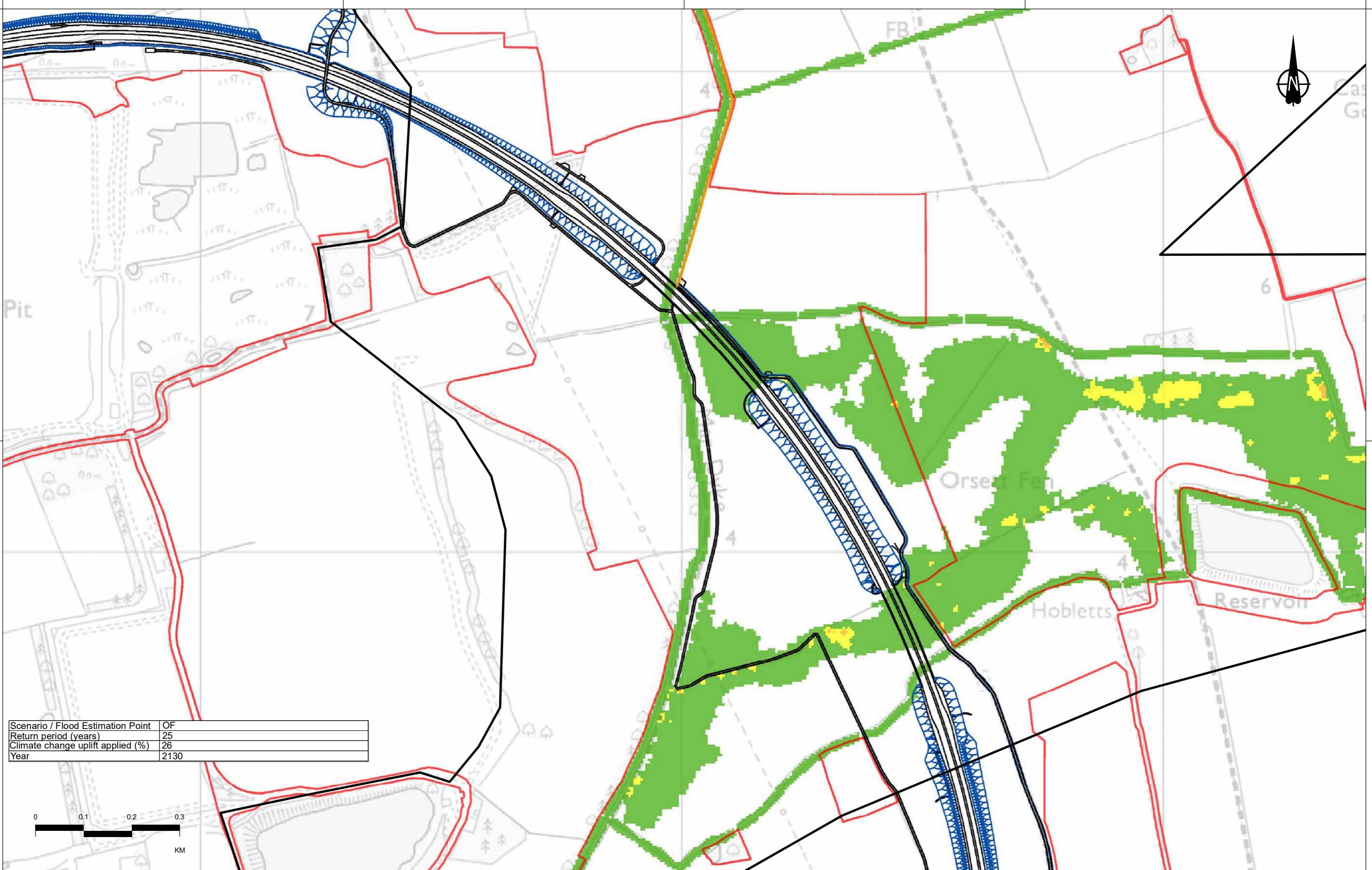
<small>Contains Ordnance Survey data. All other copyright and database rights 2022. Ordnance Survey 100030649</small>						
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Proposed LTC alignment	Maximum flood velocity (m/s)
	2D model extent		
	Order Limits		



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 Project  
**LOWER THAMES CROSSING**

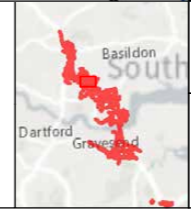
Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood velocity</b> <b>Post-development (without mitigation)</b> <b>Sheet 11 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZZ-DR-LF-00576				



Scenario / Flood Estimation Point	OF
Return period (years)	25
Climate change uplift applied (%)	26
Year	2130

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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0

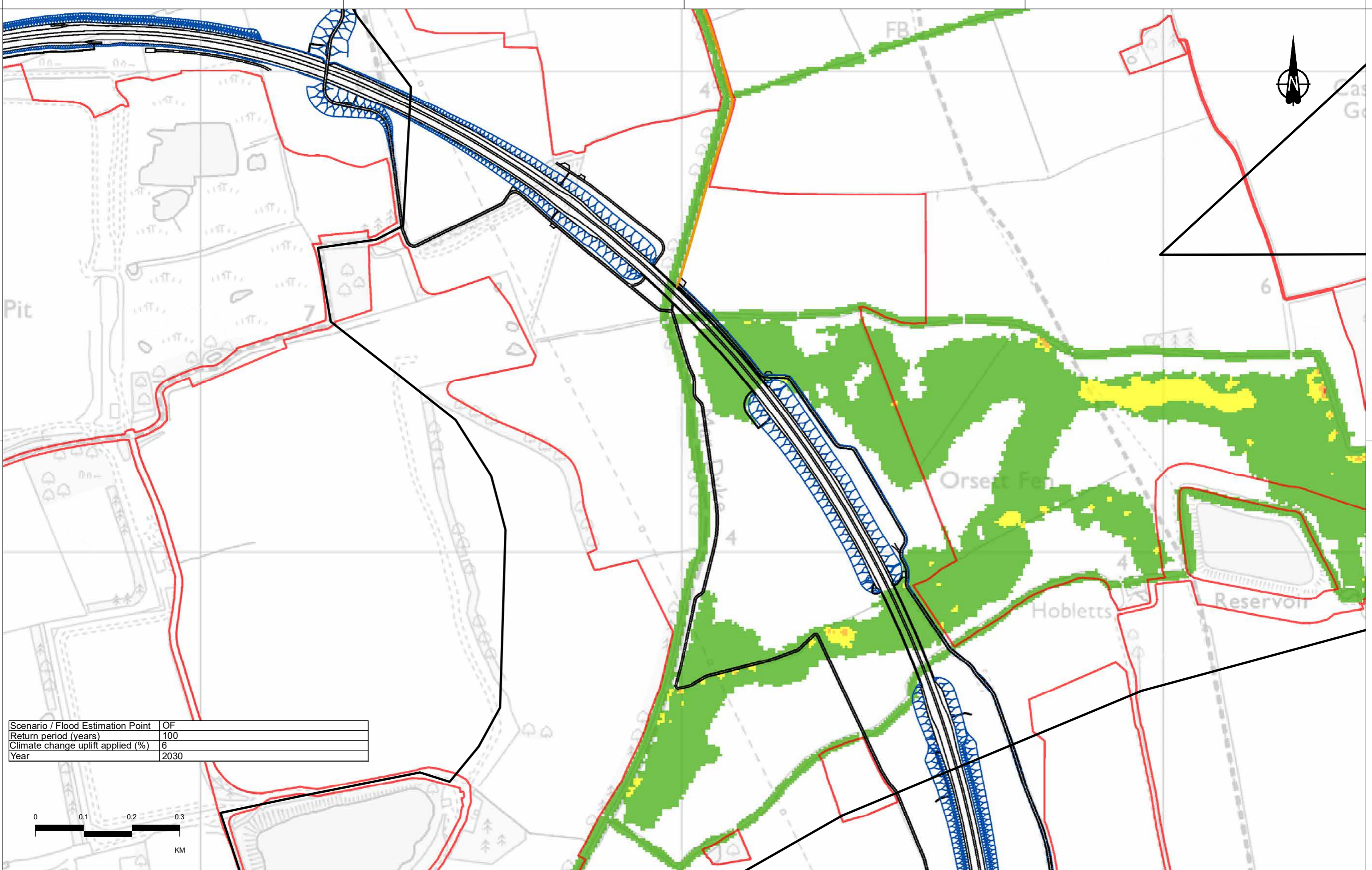


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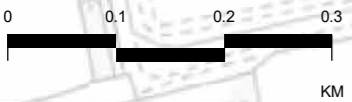
Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood velocity</b> <b>Post-development (without mitigation)</b> <b>Sheet 12 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00577				



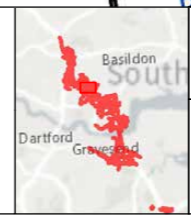


Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

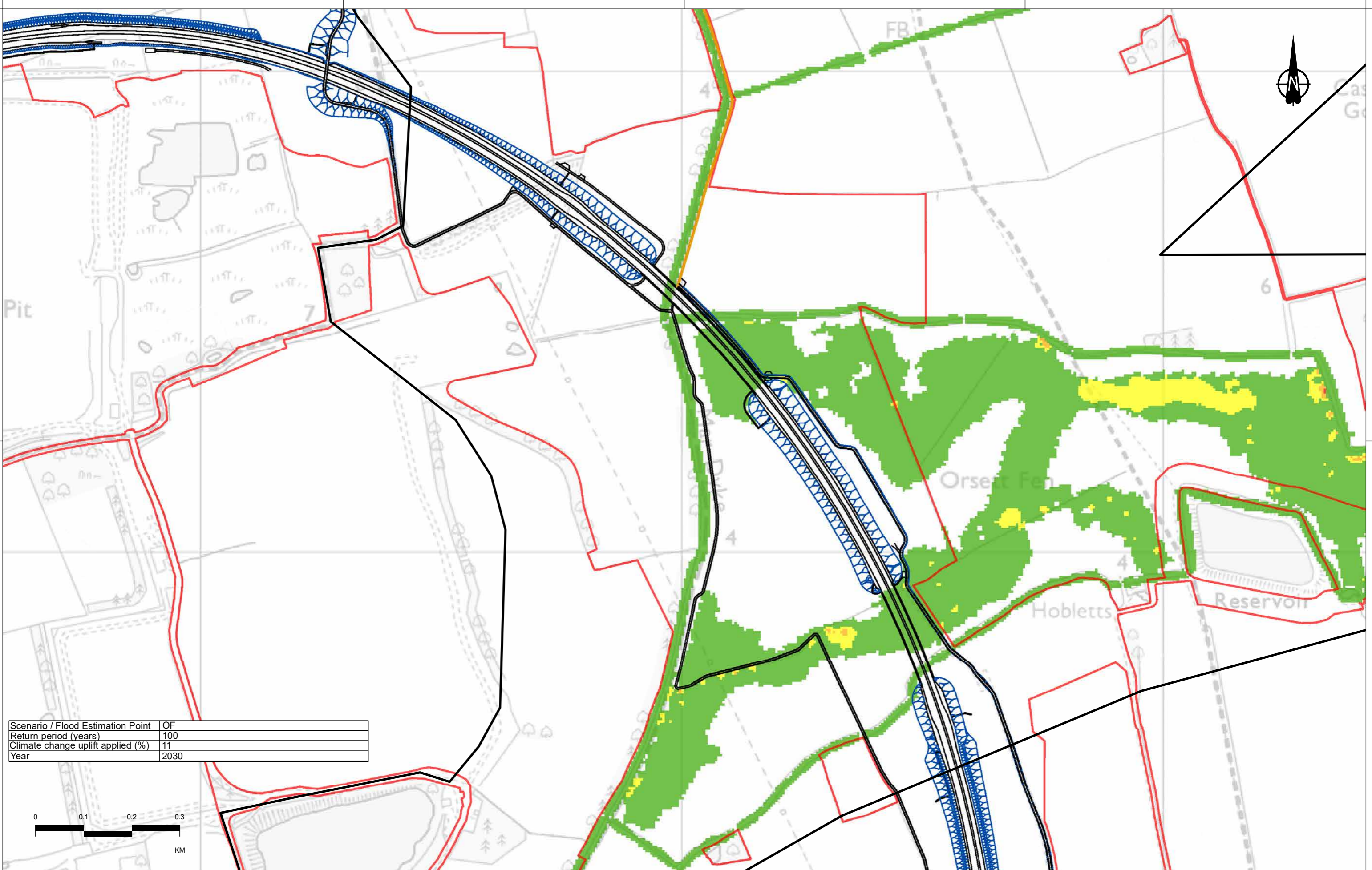
Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0



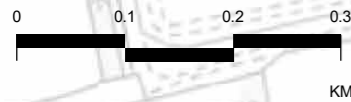
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 13 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00578				

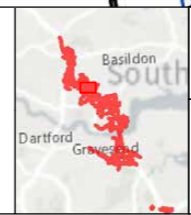


Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	11
Year	2030



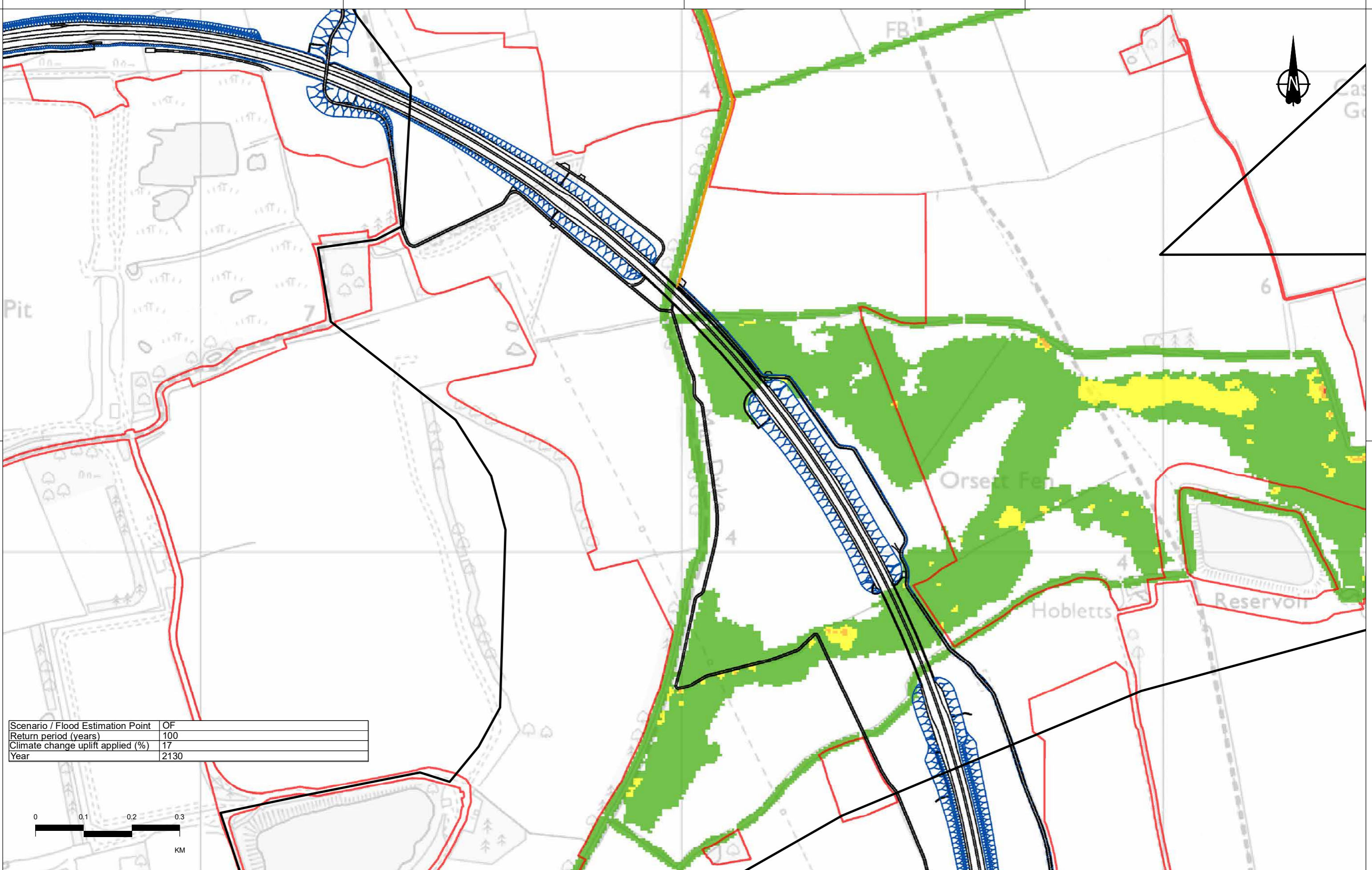
<small>Contains Ordnance Survey data. All other copyright and database rights 2022. Ordnance Survey 100030649</small>						
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0

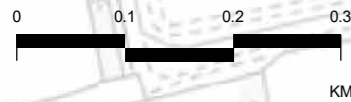


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 Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> Maximum flood velocity Post-development (without mitigation) Sheet 14 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00579				

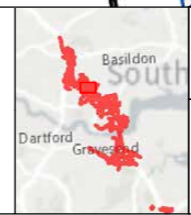


Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

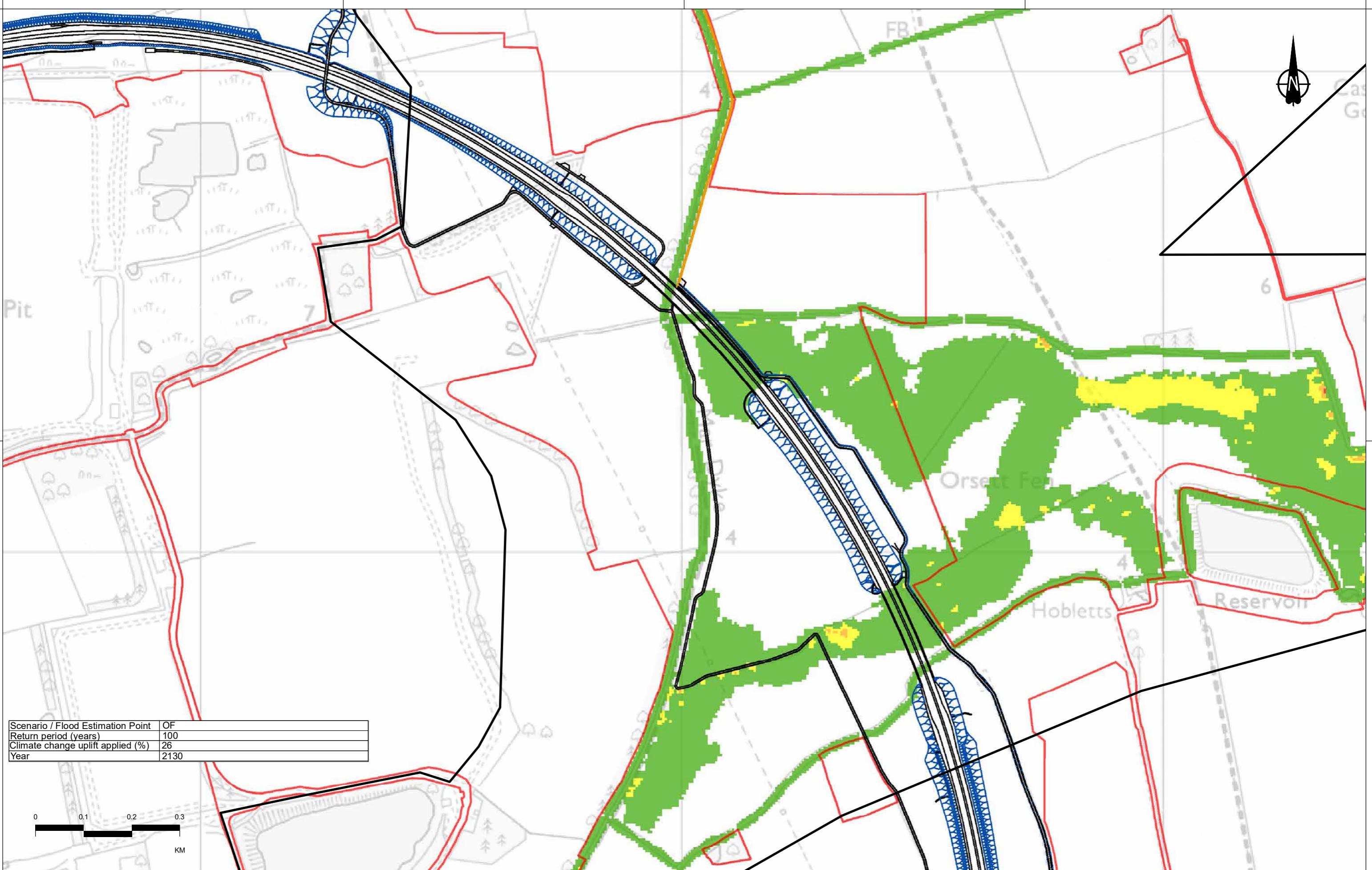
Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0



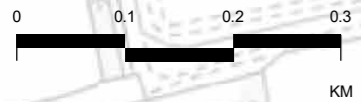
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**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 15 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00580				



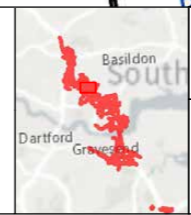
Scenario / Flood Estimation Point	OF
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

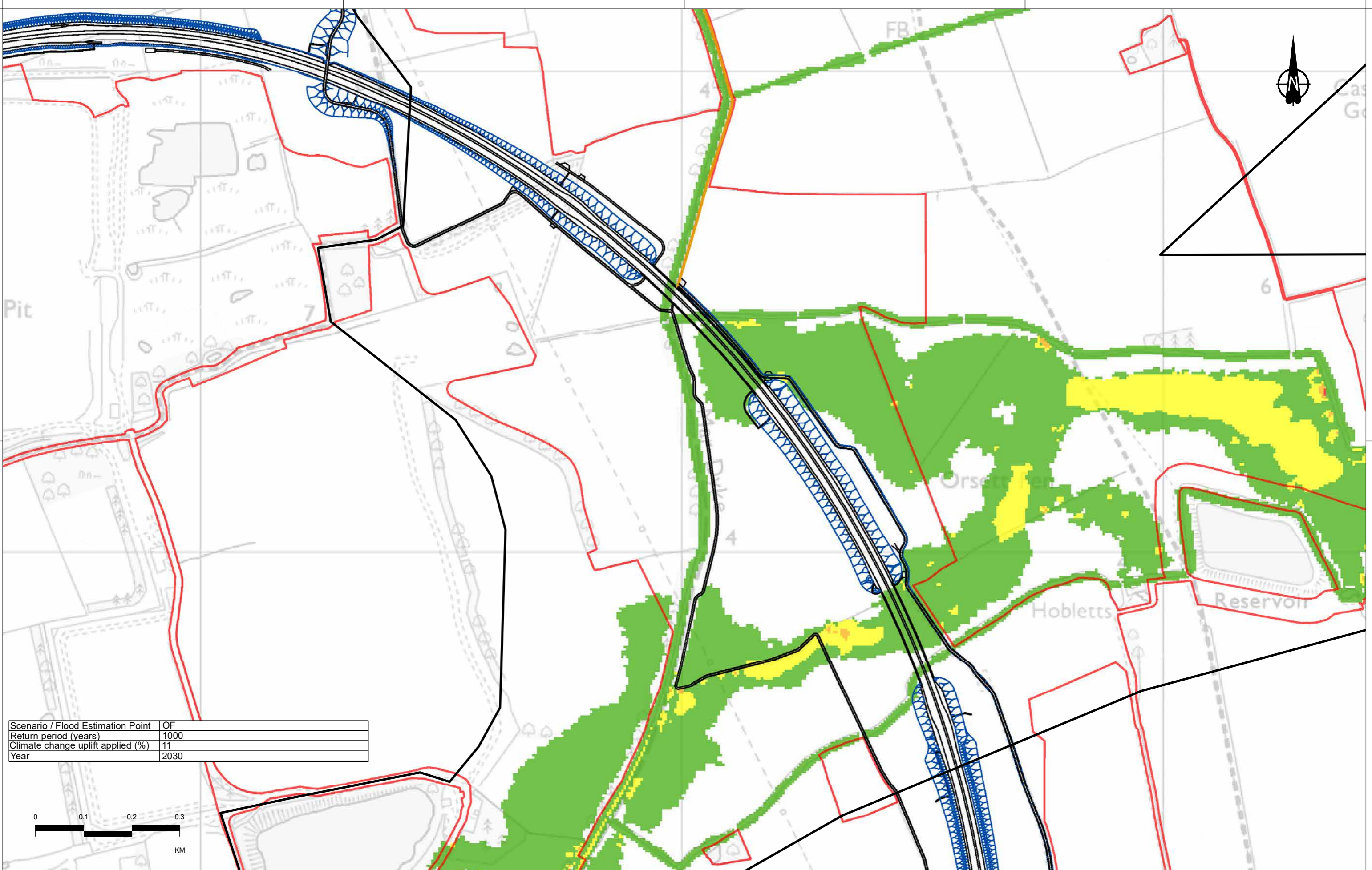
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



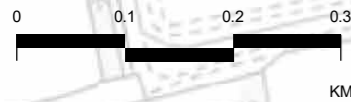
Client  
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**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood velocity</b> <b>Post-development (without mitigation)</b> <b>Sheet 16 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00581				

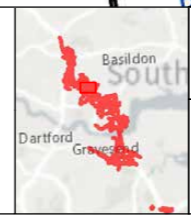


Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	11
Year	2030



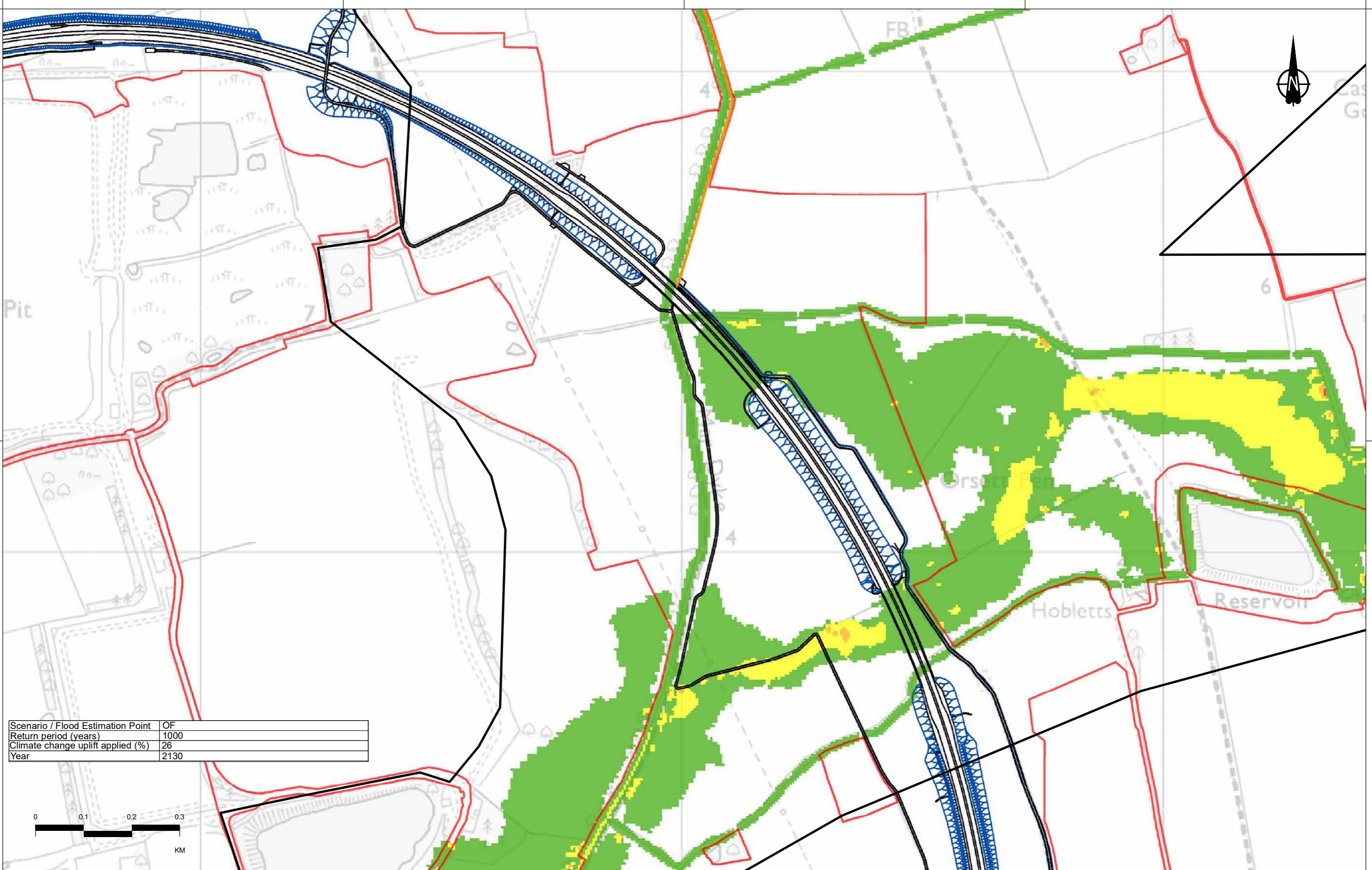
<small>Corine Orthance Survey data. All other copyright and database rights 2022. Ordnance Survey 100030649</small>						
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0

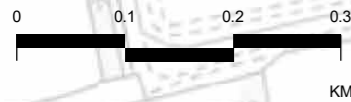


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 Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> Maximum flood velocity Post-development (without mitigation) Sheet 17 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00582				

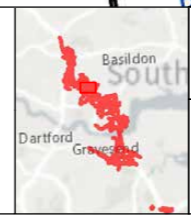


Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	26
Year	2130



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

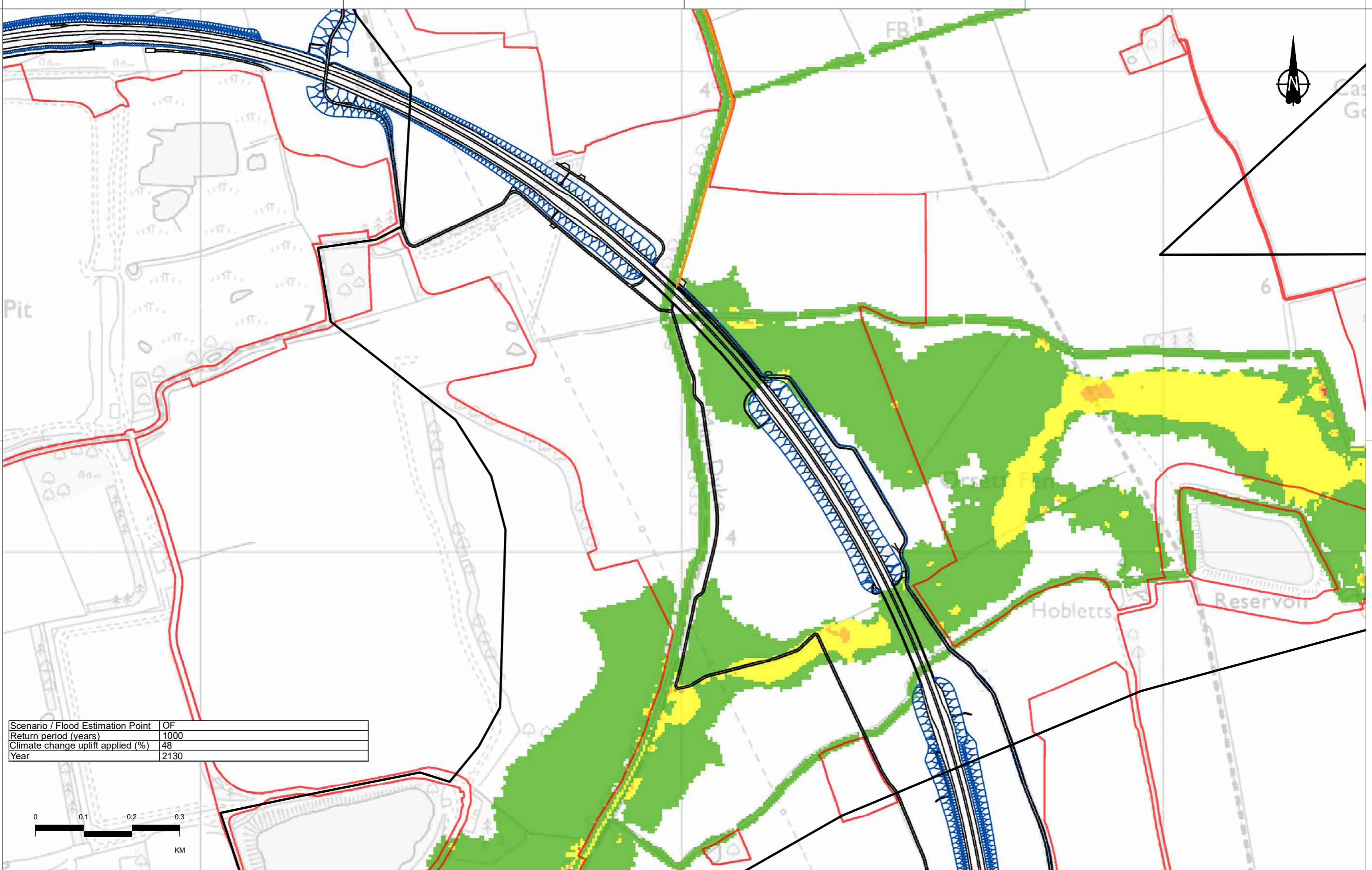
Legend		Maximum flood velocity (m/s)
	2D model extent	
	Order Limits	
	Alignment	
	Earthworks	
	NMU Routes	



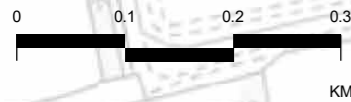
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 18 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00583				



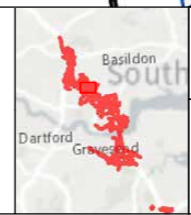
Scenario / Flood Estimation Point	OF
Return period (years)	1000
Climate change uplift applied (%)	48
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

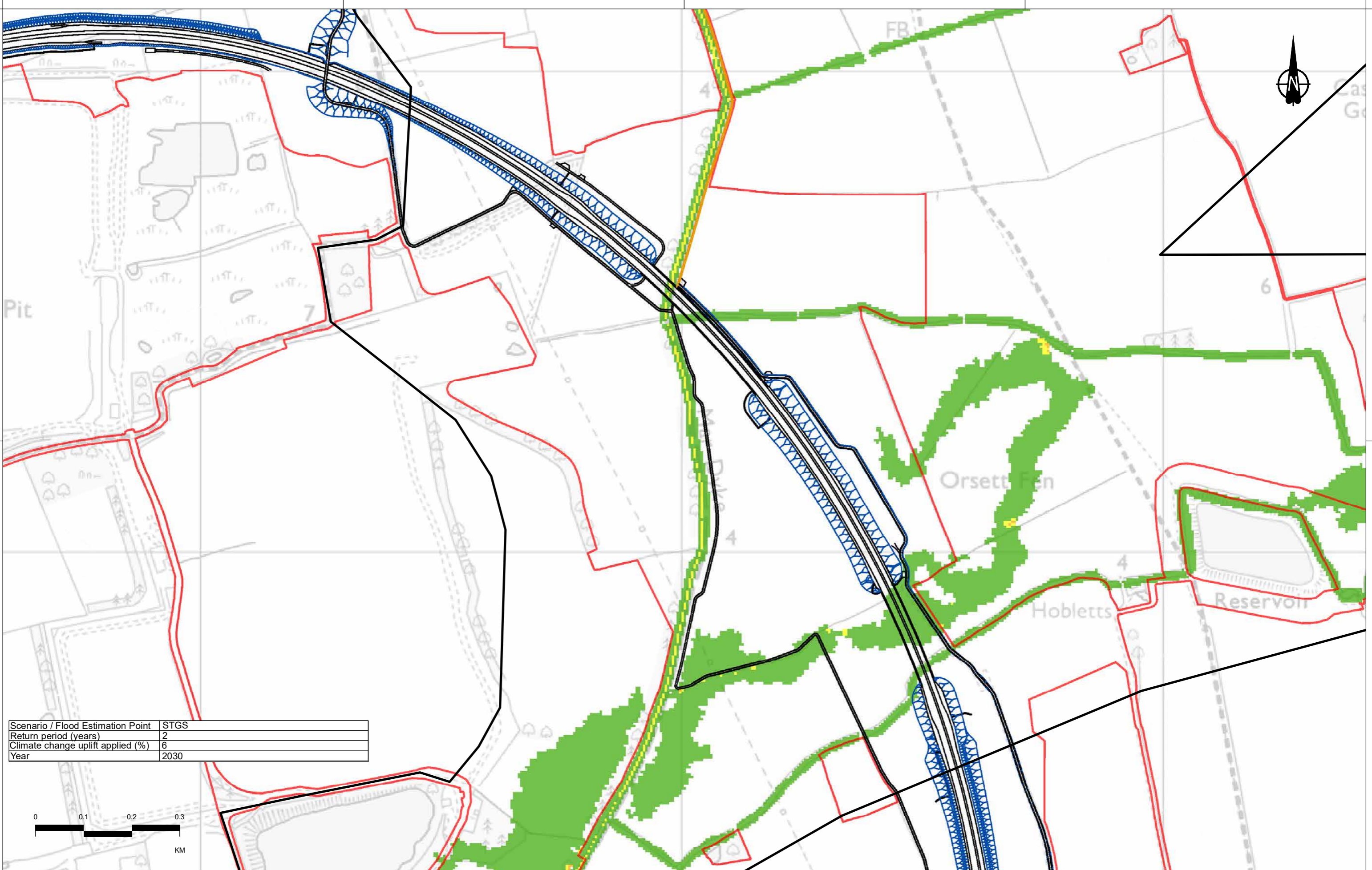
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



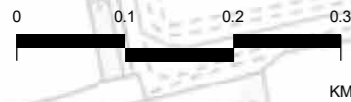
Client: national highways

Project: LOWER THAMES CROSSING

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 19 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00584				

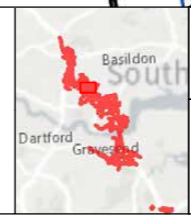


Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	6
Year	2030



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

Legend		Maximum flood velocity (m/s)
	2D model extent	
	Order Limits	
	Alignment	
	Earthworks	
	NMU Routes	

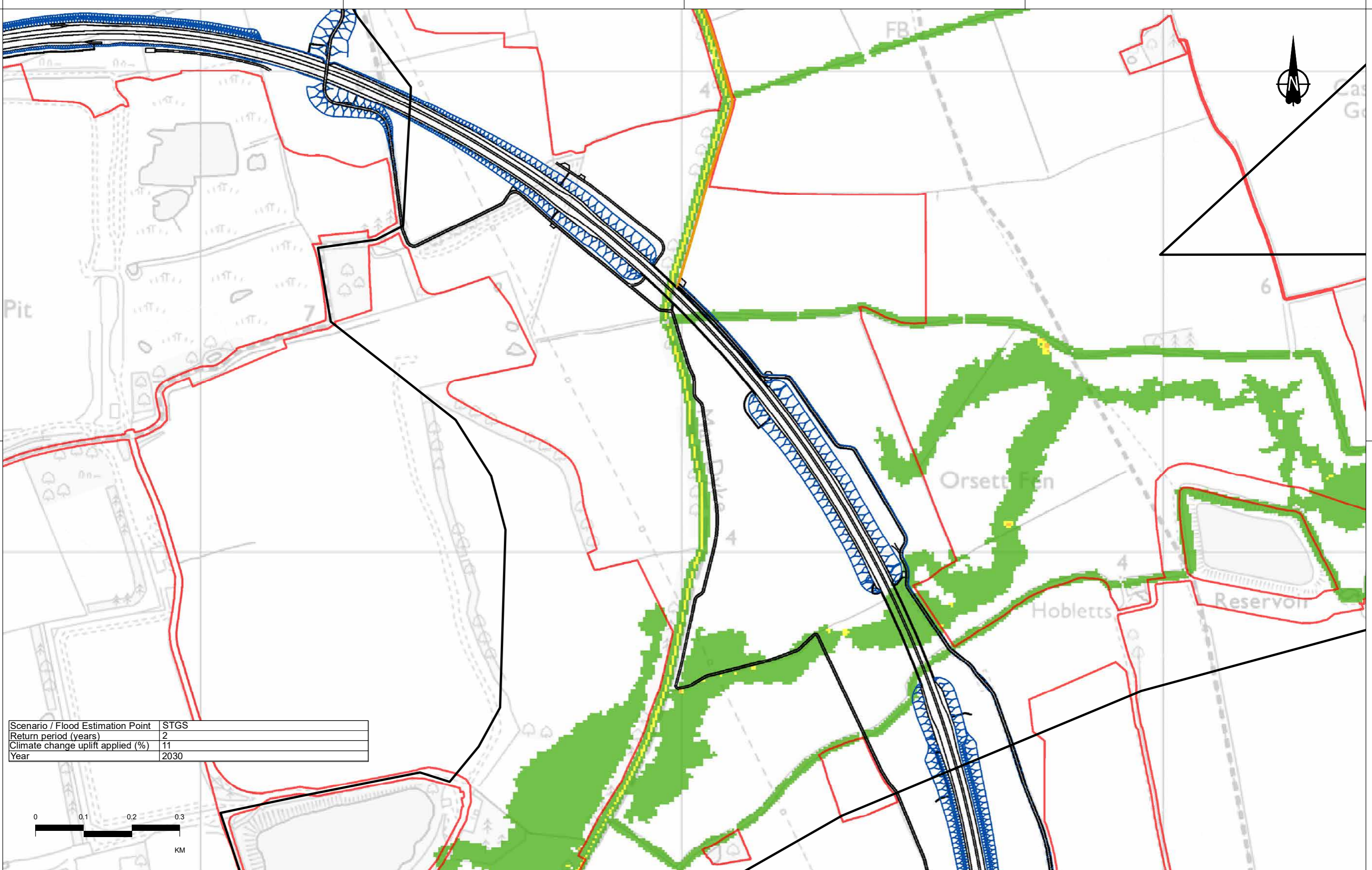


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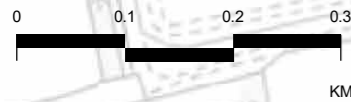
Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 20 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00585				



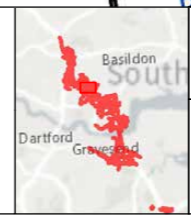


Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	11
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

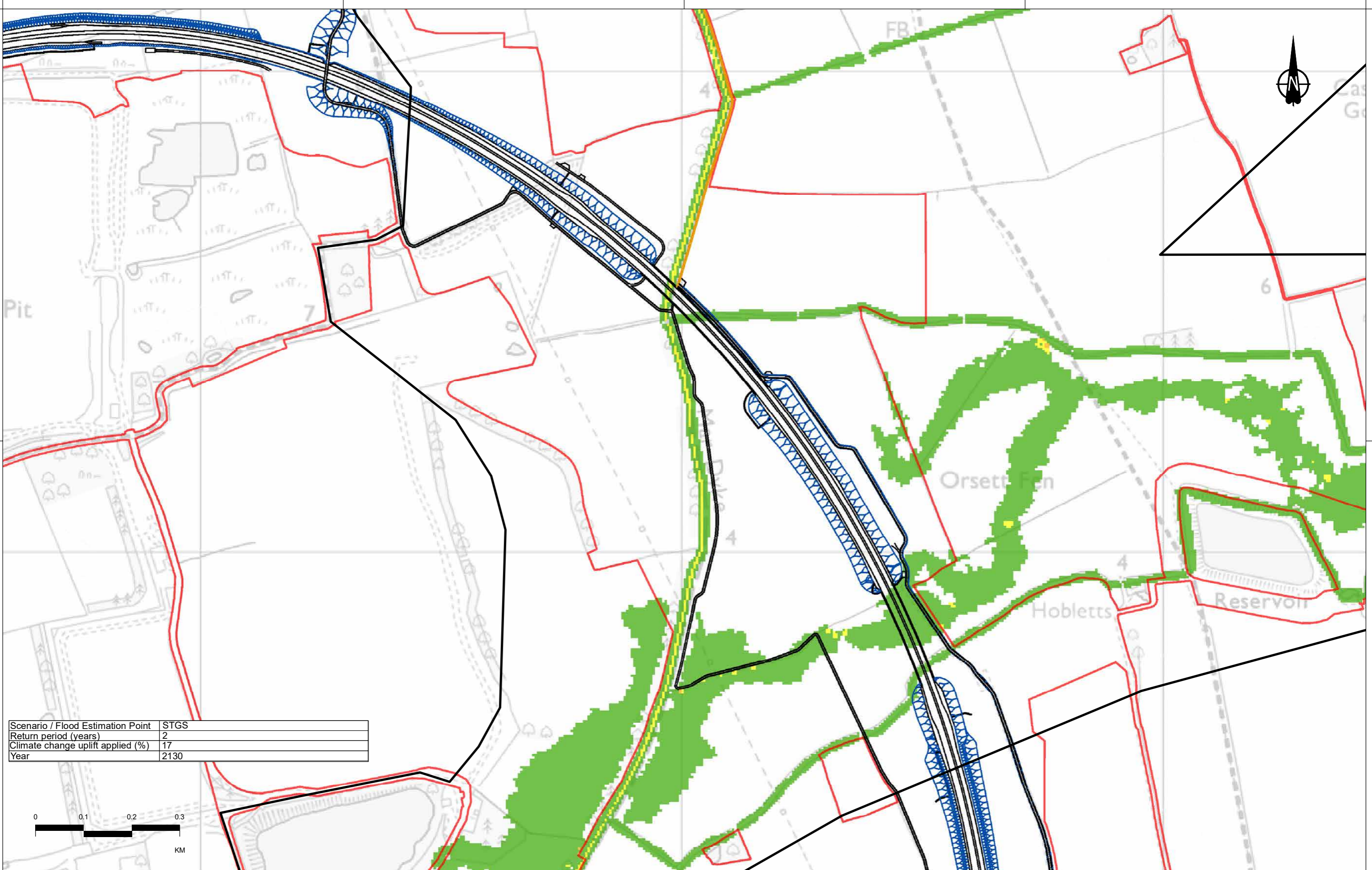
Legend		Maximum flood velocity (m/s)
	2D model extent	
	Order Limits	
	Alignment	
	Earthworks	
	NMU Routes	



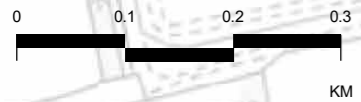
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 21 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00586				



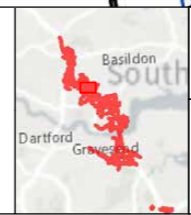
Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

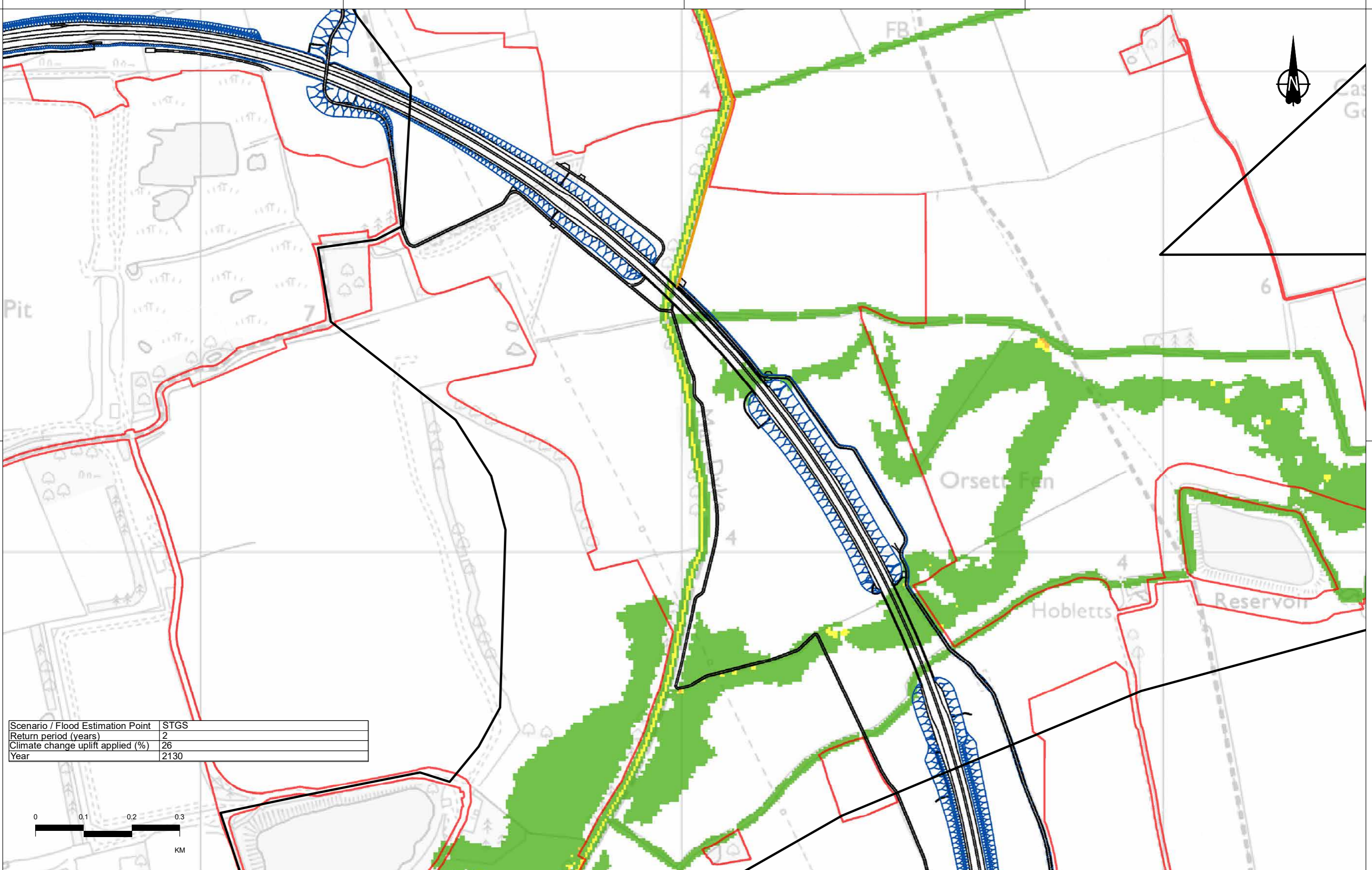
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



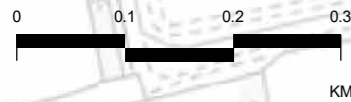
Client  
**national highways**

Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 22 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00587				

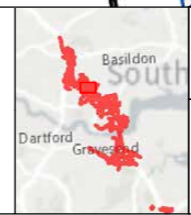


Scenario / Flood Estimation Point	STGS
Return period (years)	2
Climate change uplift applied (%)	26
Year	2130



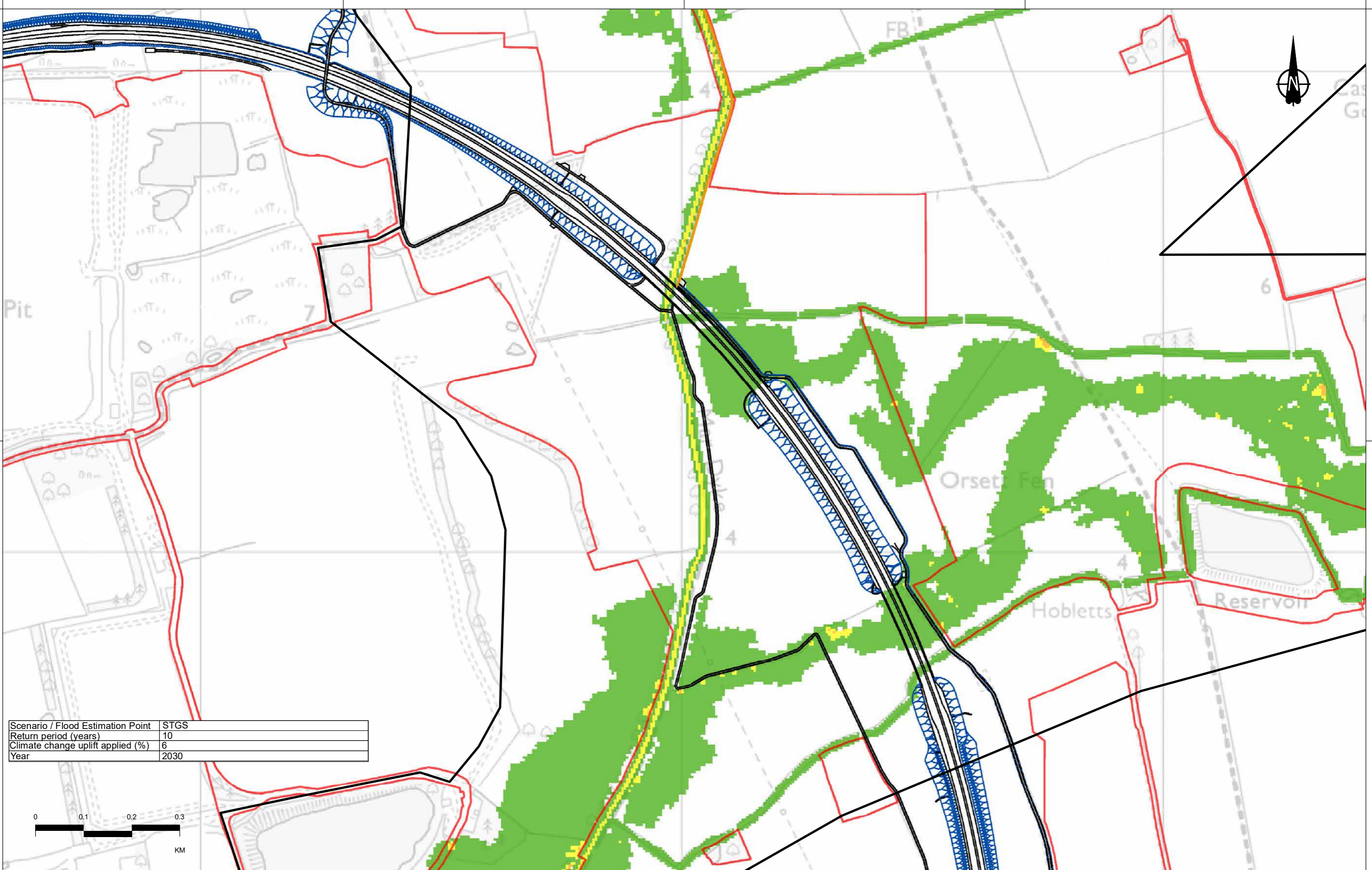
<small>Corine Orthance Survey data. All other copyright and database rights 2022. Ordnance Survey 100030649</small>						
P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Maximum flood velocity (m/s)	
	2D model extent		0 - 0.25
	Order Limits		0.25 - 0.5
	Alignment		0.5 - 1.0
	Earthworks		1.0 - 2
	NMU Routes		> 2.0

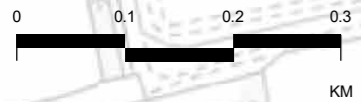


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**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood velocity</b> <b>Post-development (without mitigation)</b> <b>Sheet 23 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00588				



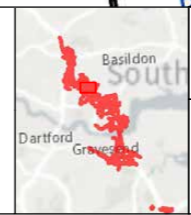
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	6
Year	2030



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

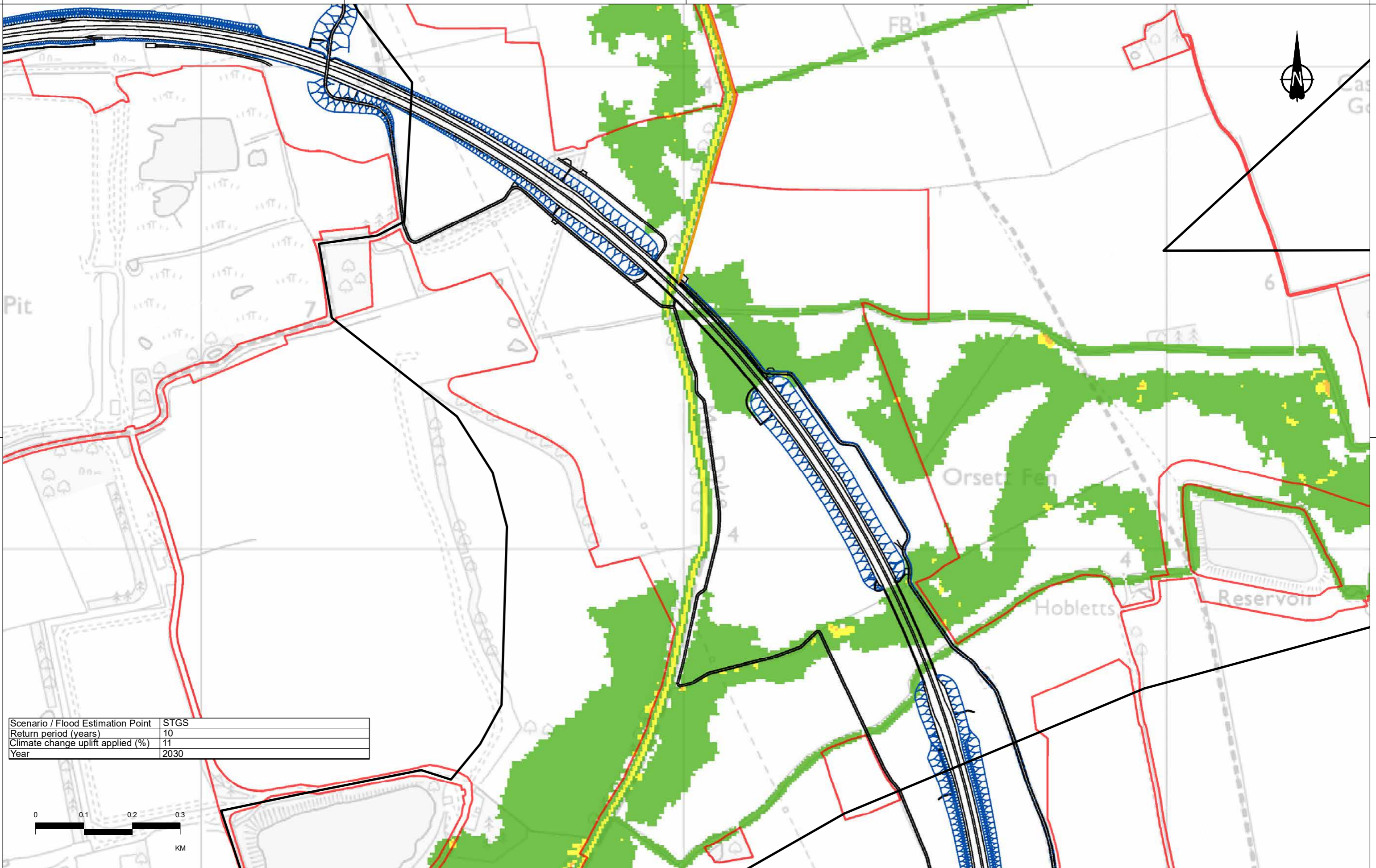
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



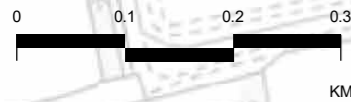
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**national highways**

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**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 24 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00589				

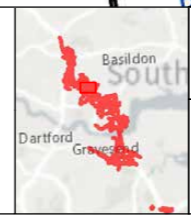


Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	11
Year	2030



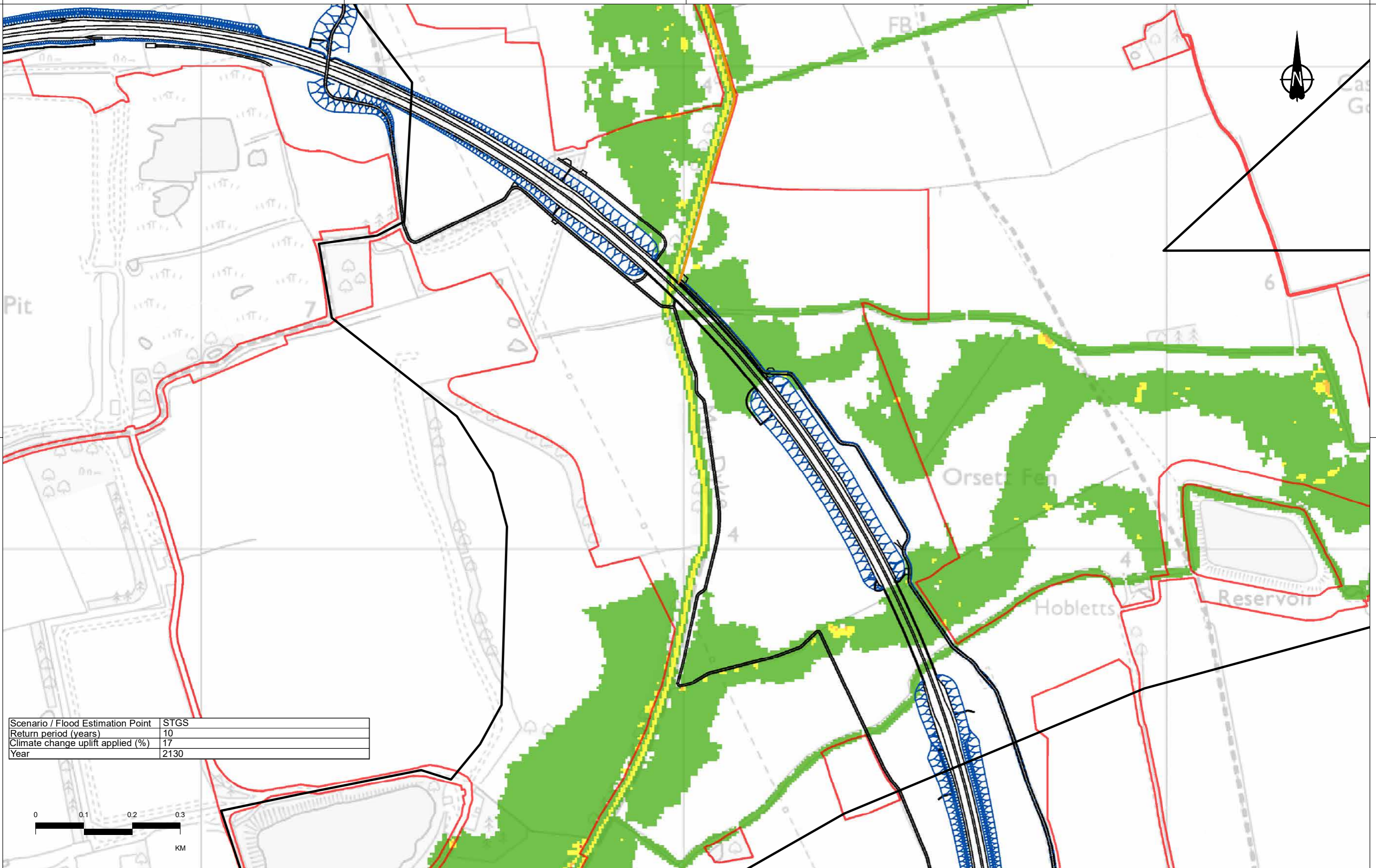
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd
P01	SB	10/10/2022	DCO Application	KK	RB	BF

Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0

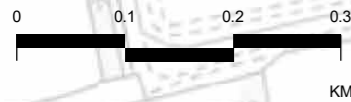


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 Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 25 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00590				



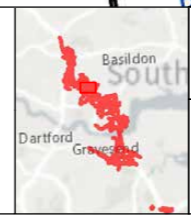
Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	17
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

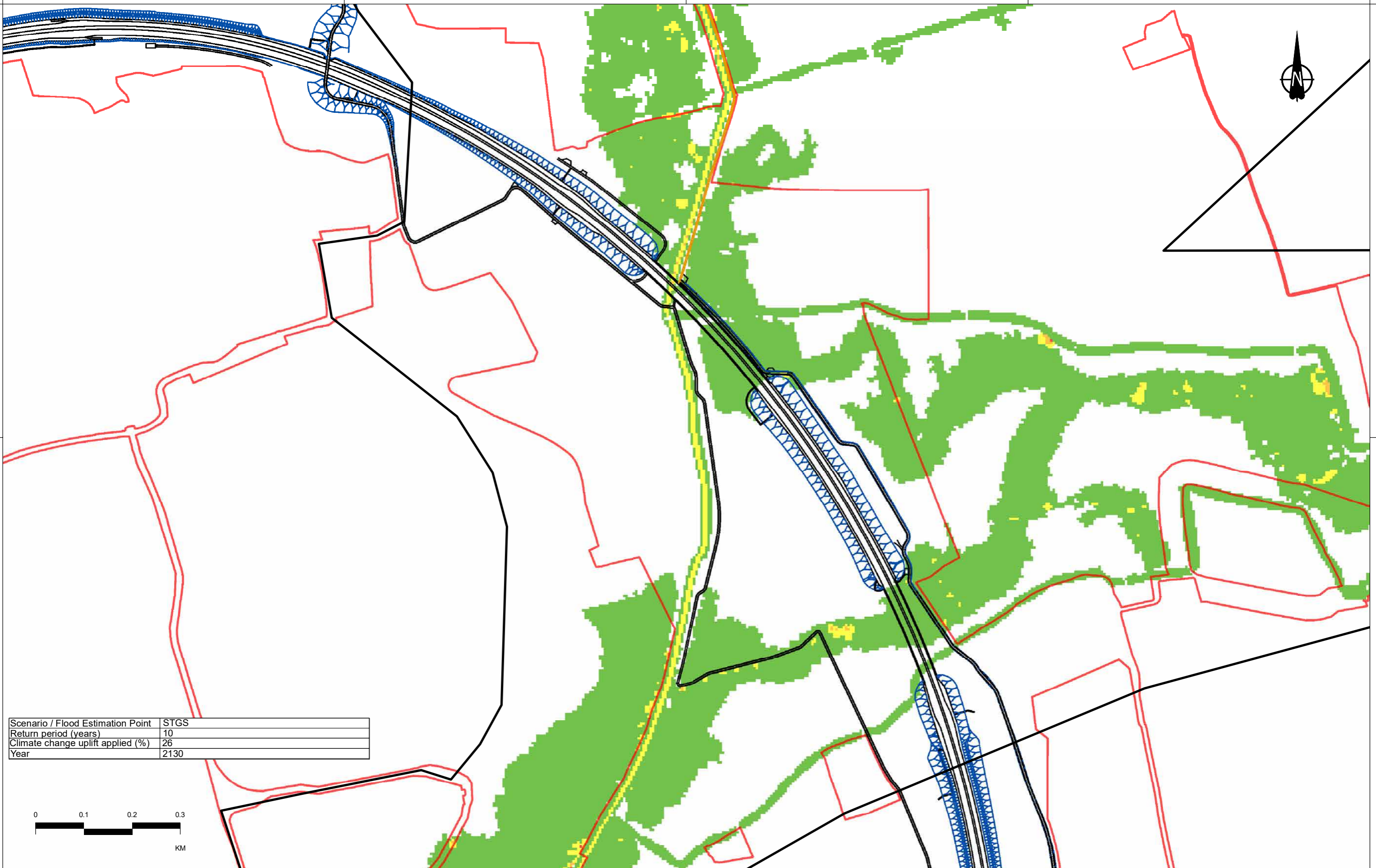
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



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Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 26 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00591				

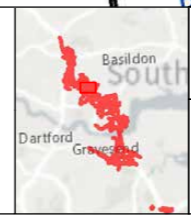


Scenario / Flood Estimation Point	STGS
Return period (years)	10
Climate change uplift applied (%)	26
Year	2130



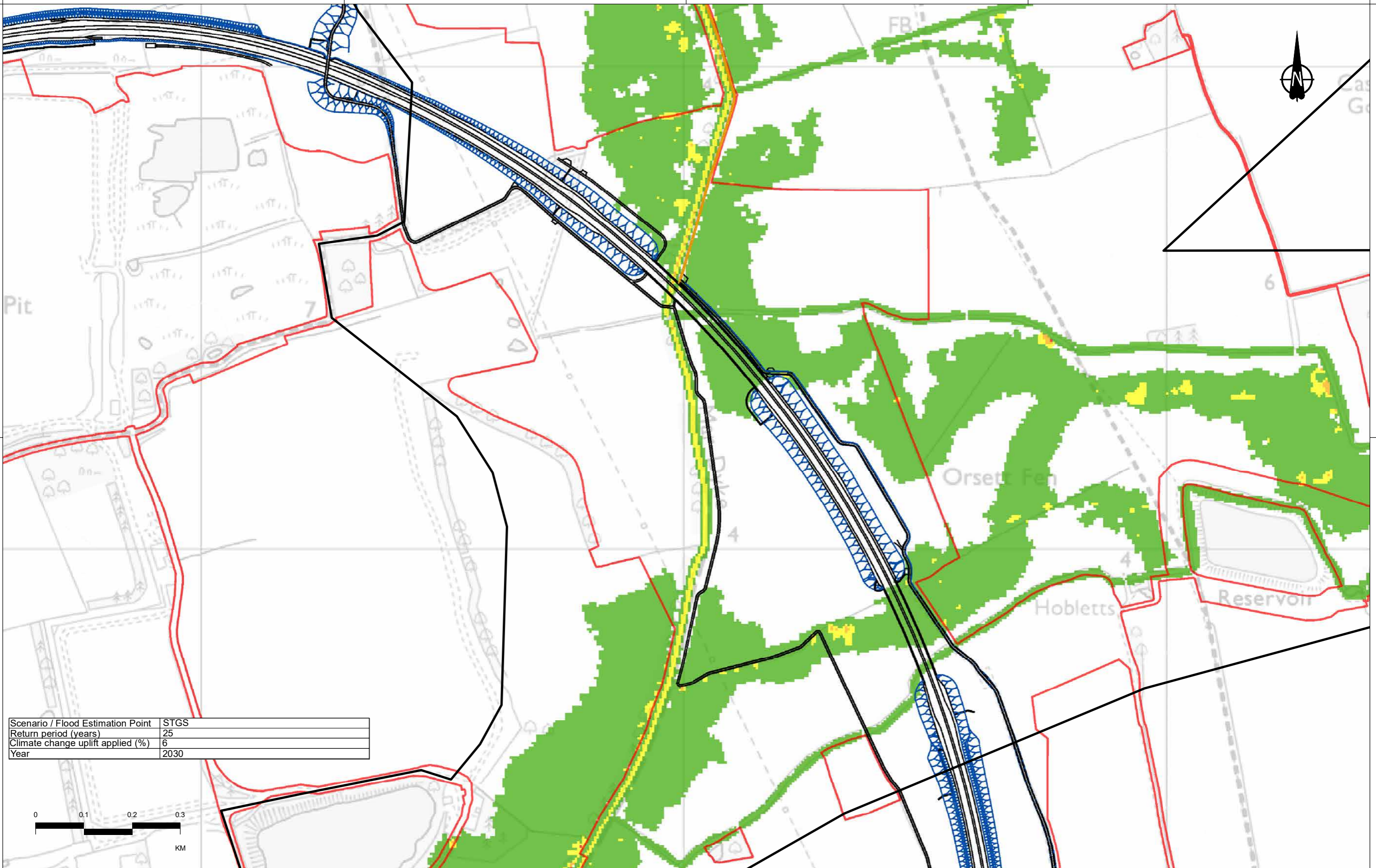
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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

Legend		Proposed LTC alignment	Maximum flood velocity (m/s)
	2D model extent		Alignment
	Order Limits		Earthworks
			NMU Routes
			0 - 0.25
			0.25 - 0.5
			0.5 - 1.0
			1.0 - 2
			> 2.0

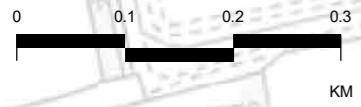


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 Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 27 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00592				



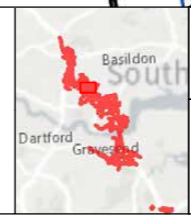
Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	6
Year	2030



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Apprv'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0

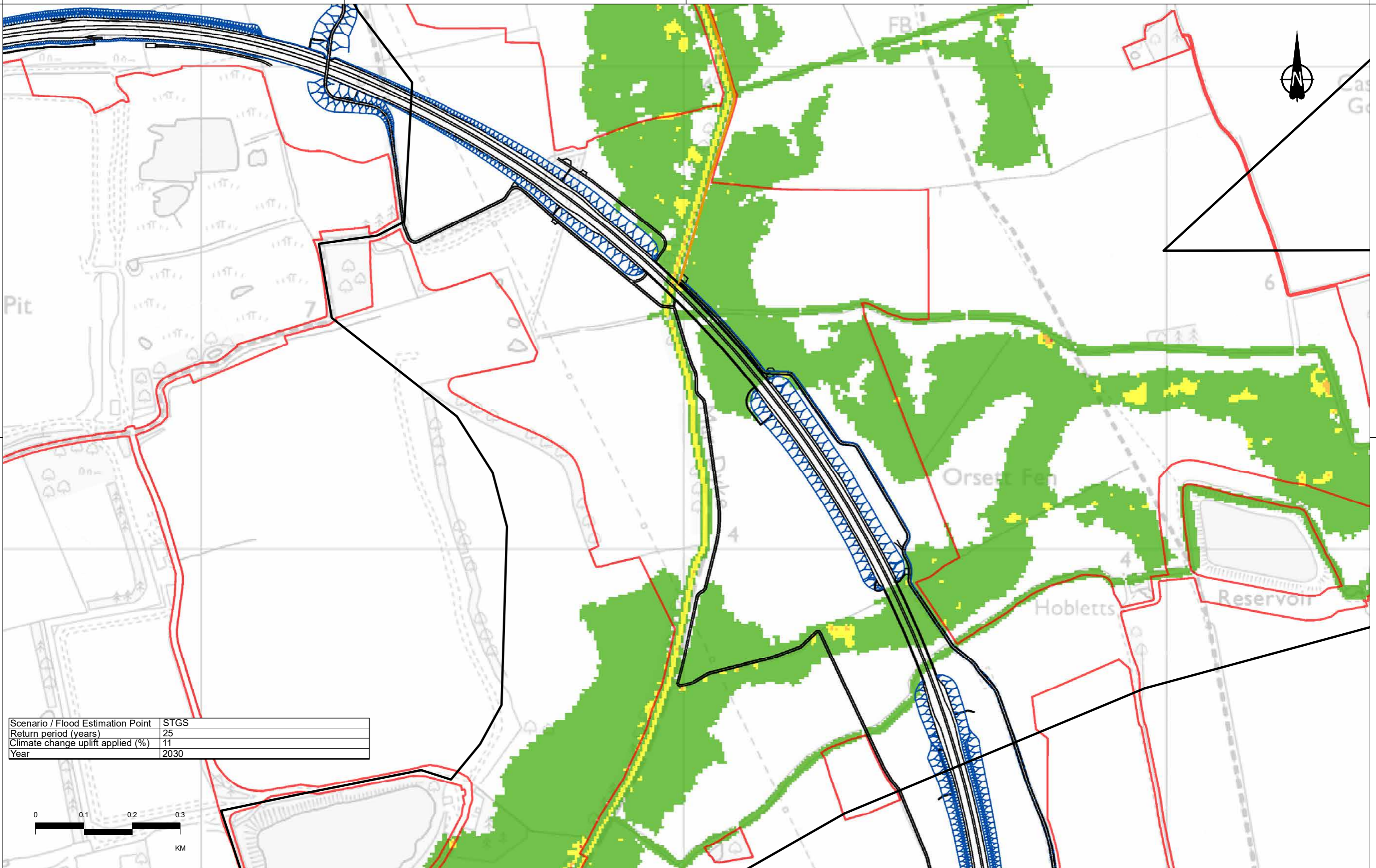


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Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 28 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00593				

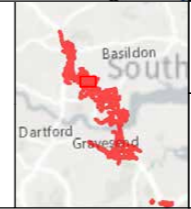




Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	11
Year	2030

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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

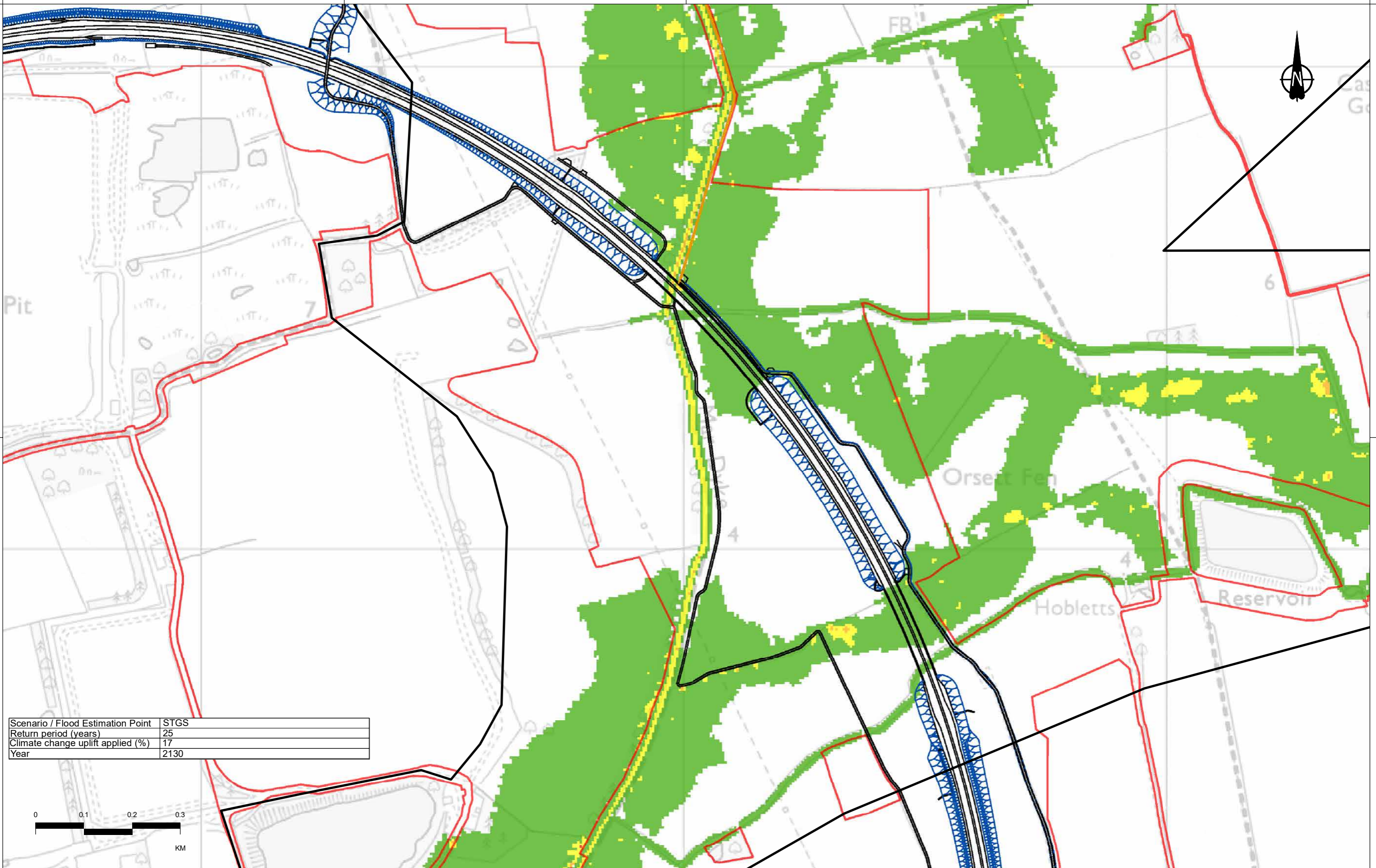
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



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Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood velocity</b> <b>Post-development (without mitigation)</b> <b>Sheet 29 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00594				

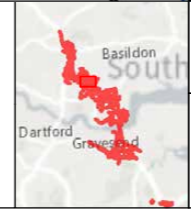


Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	17
Year	2130

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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

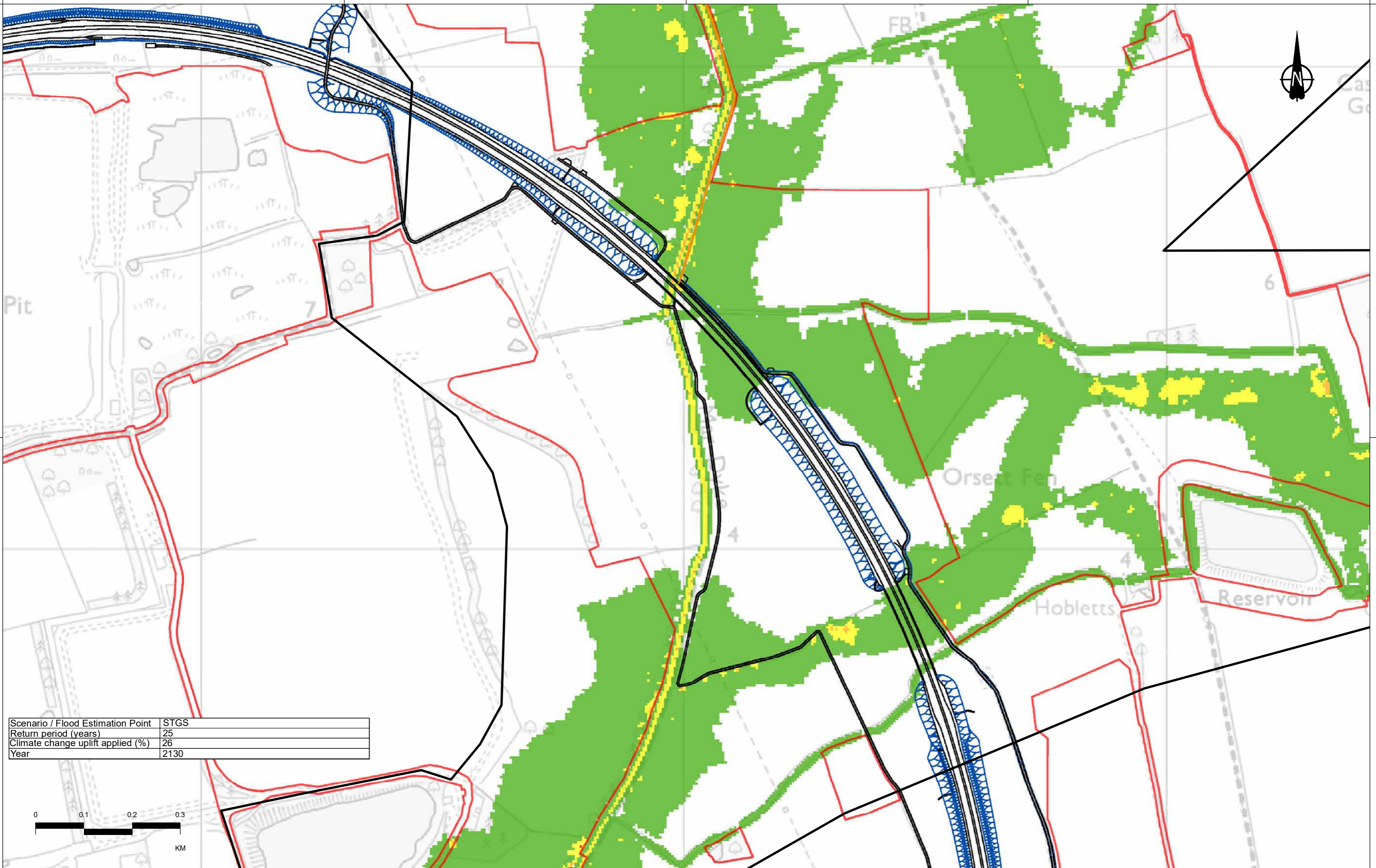
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



Client: **national highways**

Project: **LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood velocity</b> <b>Post-development (without mitigation)</b> <b>Sheet 30 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00595				

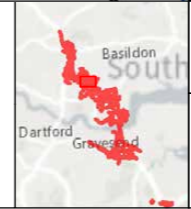


Scenario / Flood Estimation Point	STGS
Return period (years)	25
Climate change uplift applied (%)	26
Year	2130

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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

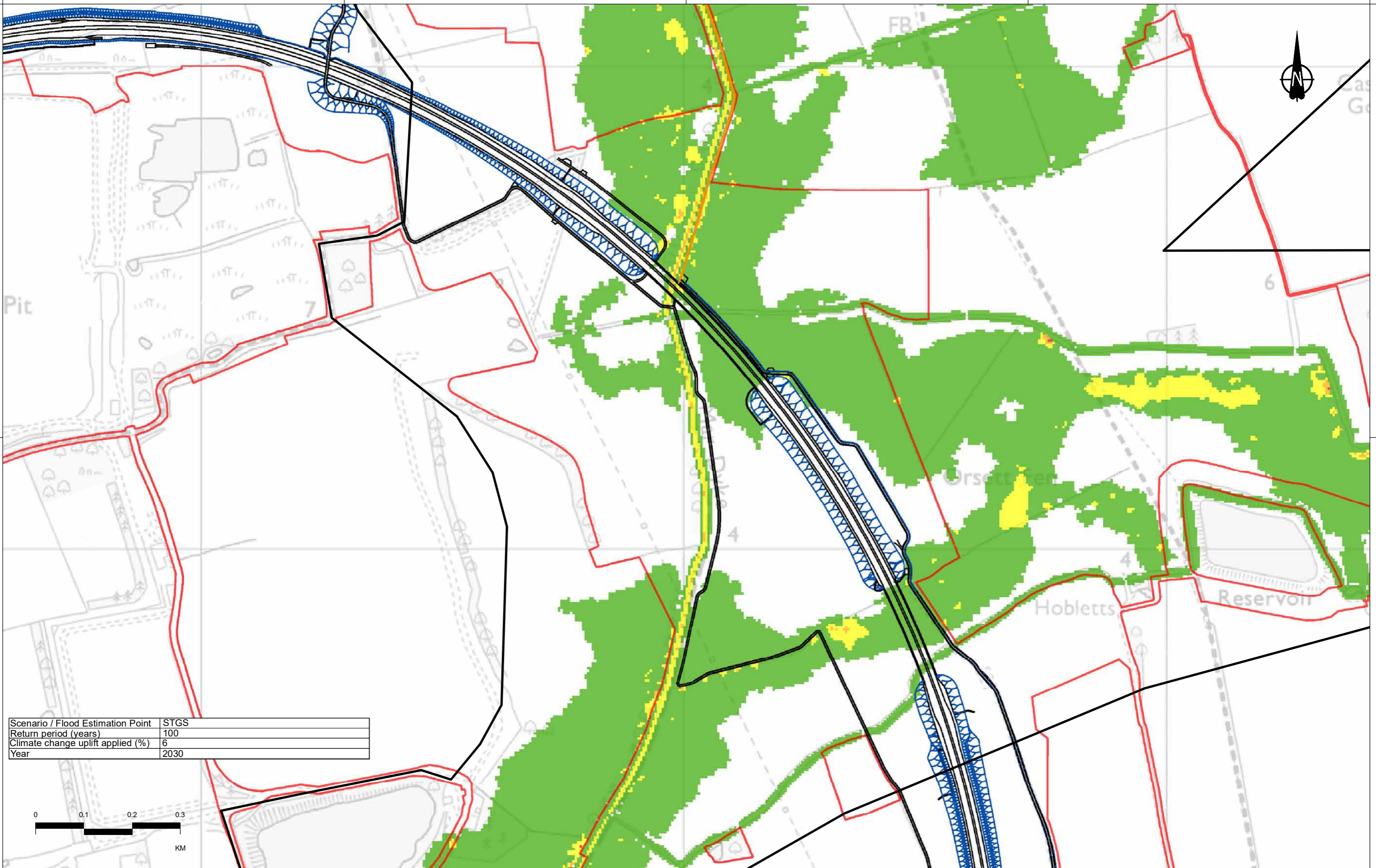
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



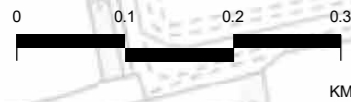
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**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood velocity</b> <b>Post-development (without mitigation)</b> <b>Sheet 31 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00596				

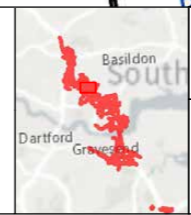


Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	6
Year	2030



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

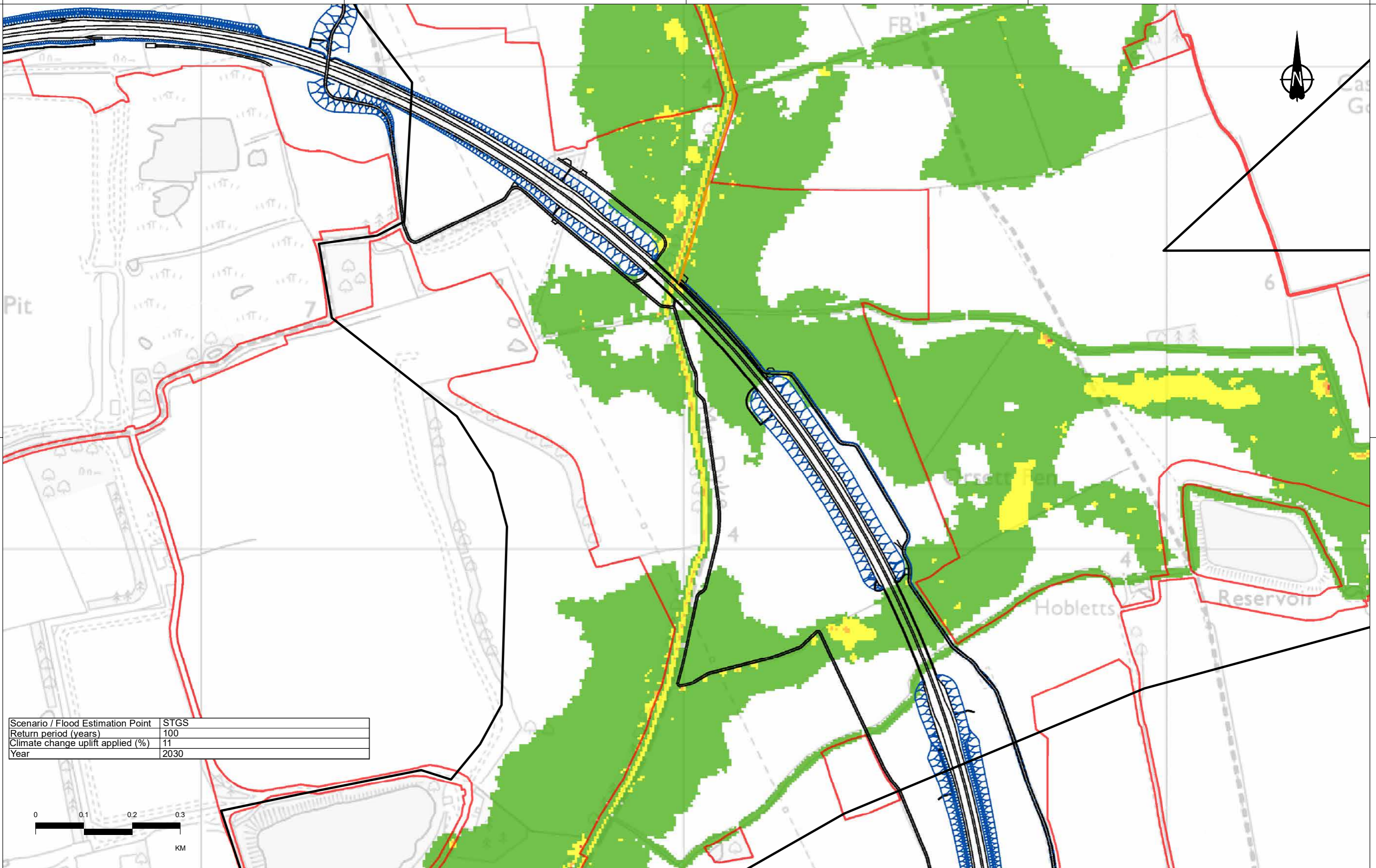
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



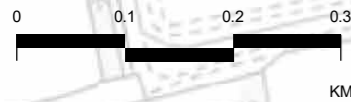
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Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 32 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00597				



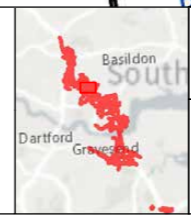
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	11
Year	2030



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

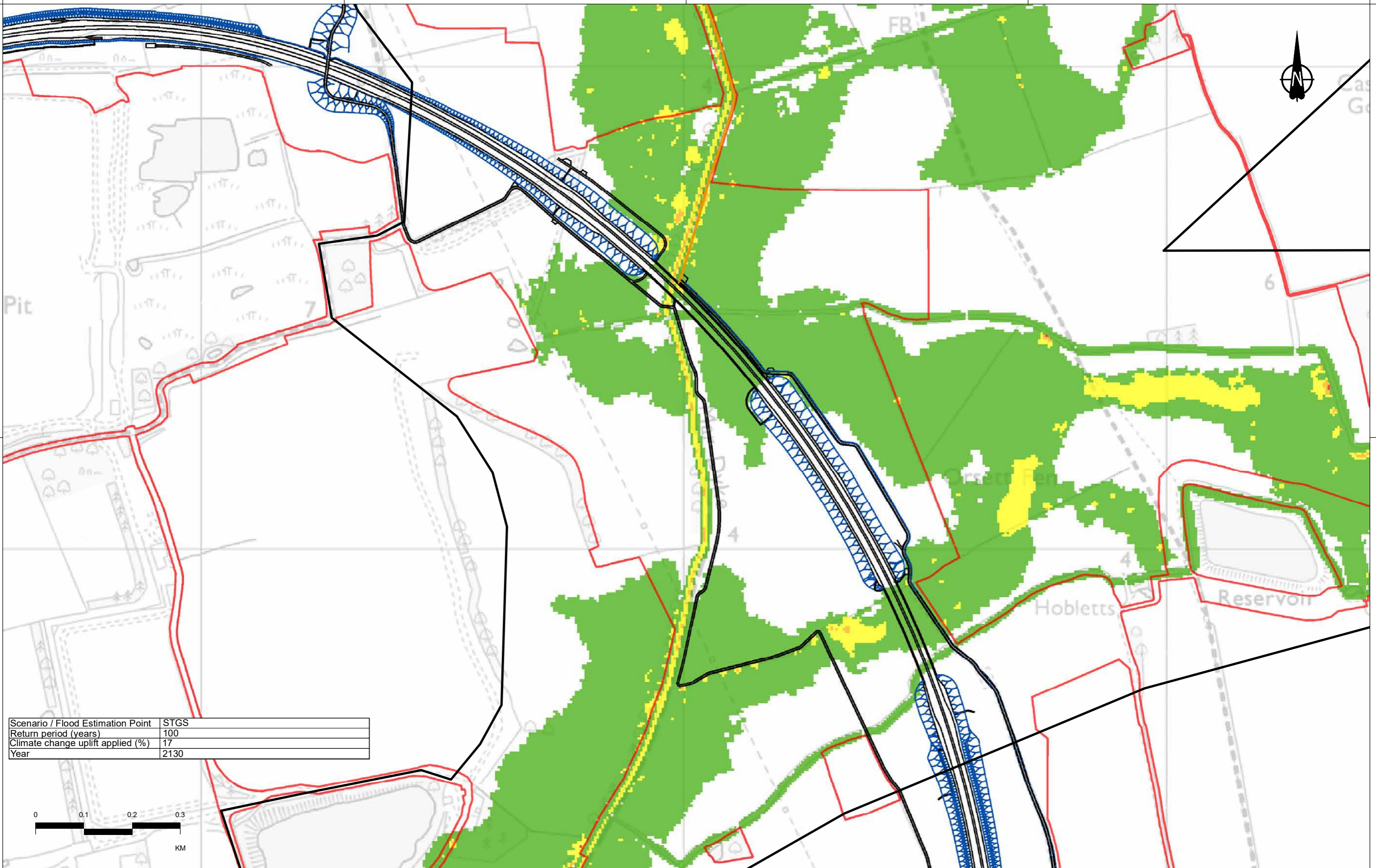
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0 - 0.25
	NMU Routes	0.25 - 0.5
		0.5 - 1.0
		1.0 - 2
		> 2.0



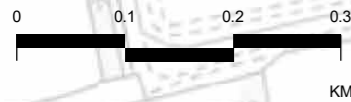
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Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 33 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00598				

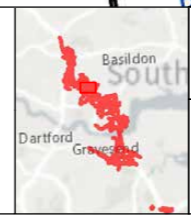


Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	17
Year	2130



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

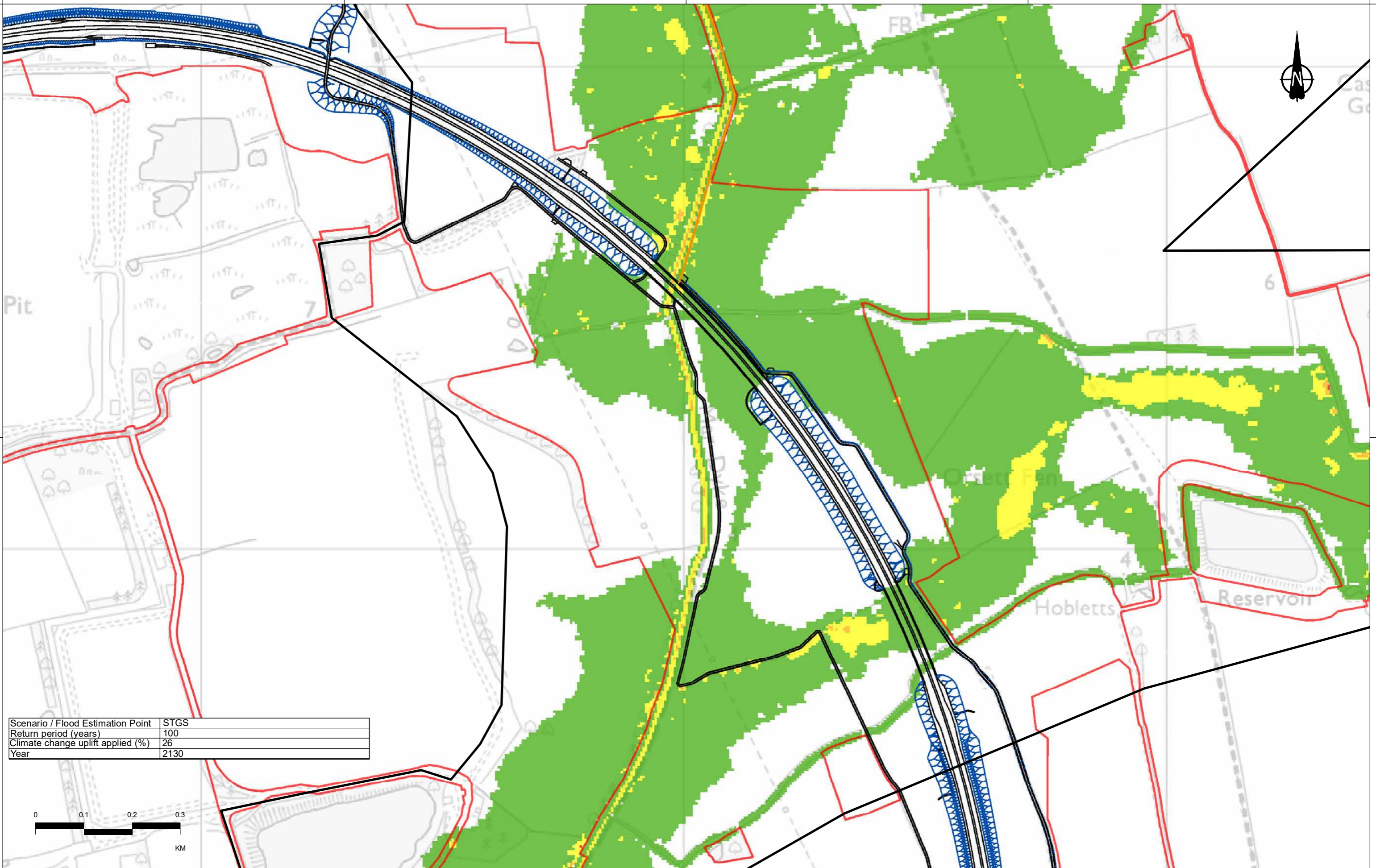
Legend		Maximum flood velocity (m/s)
	2D model extent	0 - 0.25
	Order Limits	0.25 - 0.5
	Alignment	0.5 - 1.0
	Earthworks	1.0 - 2
	NMU Routes	> 2.0



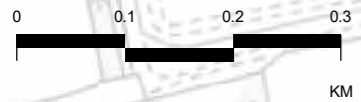
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Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 34 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00599				



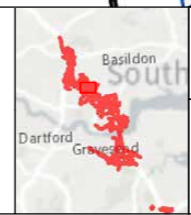
Scenario / Flood Estimation Point	STGS
Return period (years)	100
Climate change uplift applied (%)	26
Year	2130



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P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

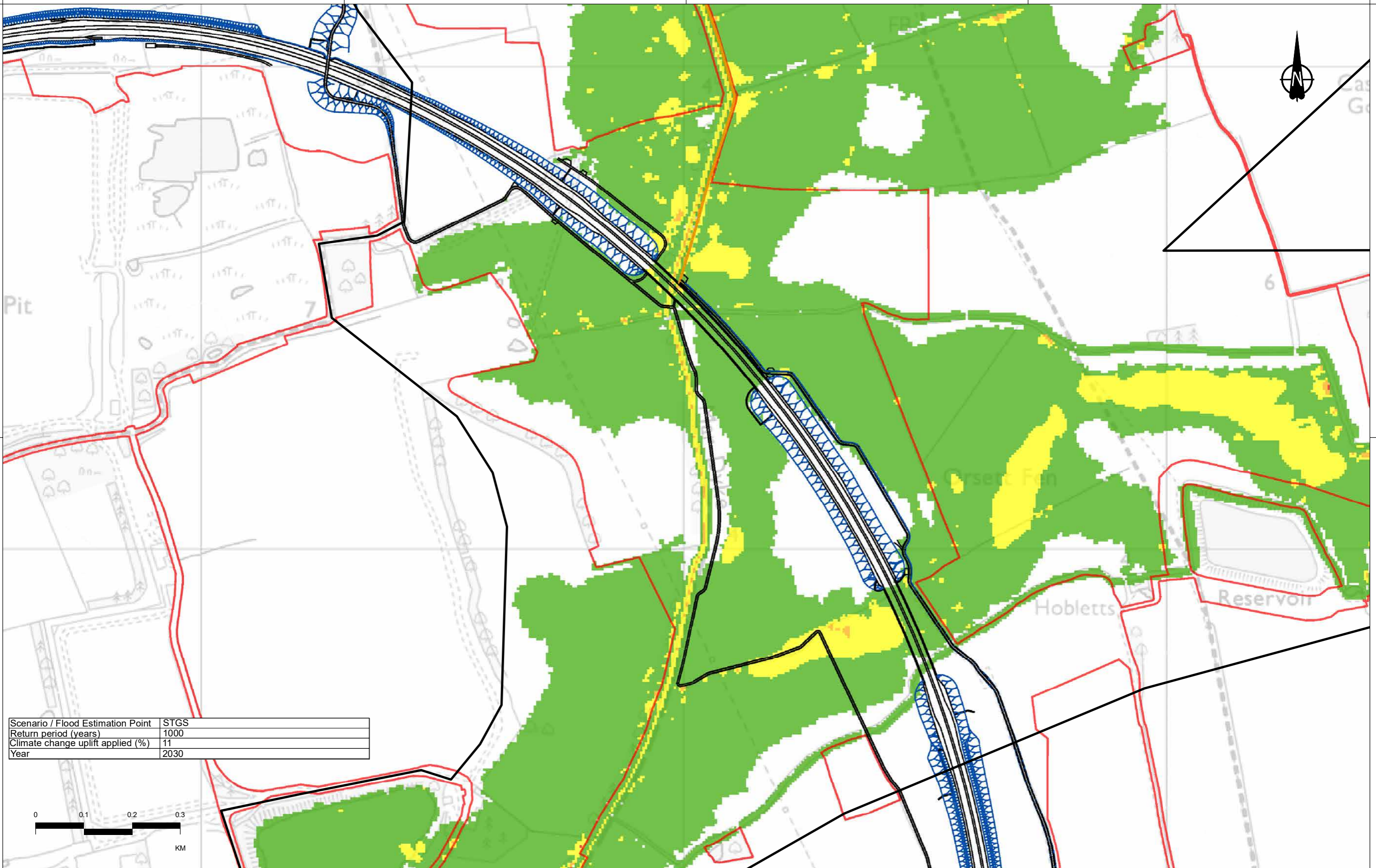
2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0.25 - 0.5
	NMU Routes	0.5 - 1.0
		1.0 - 2
		> 2.0



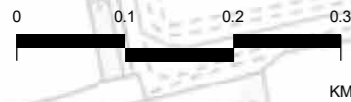
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Project  
**LOWER THAMES CROSSING**

Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	<b>FRA - Mardyke Modelling Results</b> <b>Maximum flood velocity</b> <b>Post-development (without mitigation)</b> <b>Sheet 35 of 38</b>				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00600				



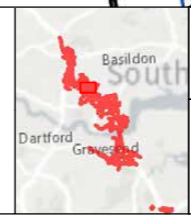
Scenario / Flood Estimation Point	STGS
Return period (years)	1000
Climate change uplift applied (%)	11
Year	2030



P01	SB	10/10/2022	DCO Application	KK	RB	BF
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chk'd	Appr'd

**Legend**

2D model extent	Proposed LTC alignment	Maximum flood velocity (m/s)
Order Limits	Earthworks	0.25 - 0.5
	NMU Routes	0.5 - 1.0
		1.0 - 2
		> 2.0



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Status	DCO Application	Original Size	A3	Revision	P01
Application Document Number	TR010032/APP/6.3	Scale	1:7,000		
Drawing title	FRA - Mardyke Modelling Results Maximum flood velocity Post-development (without mitigation) Sheet 36 of 38				
Drawing number	HE540039-CJV-EFR-SZP_GNZZZZZZZ-DR-LF-00601				



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