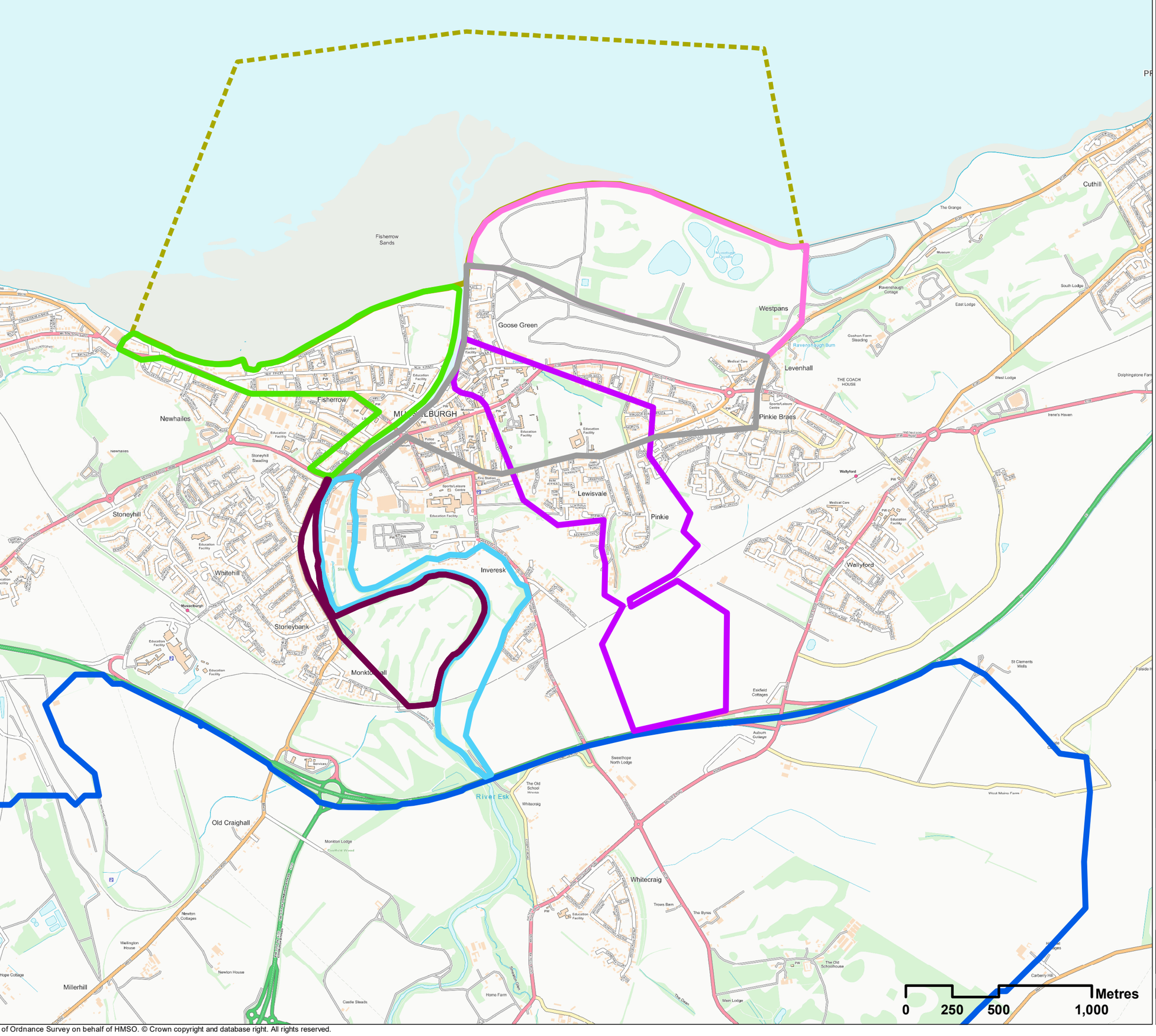
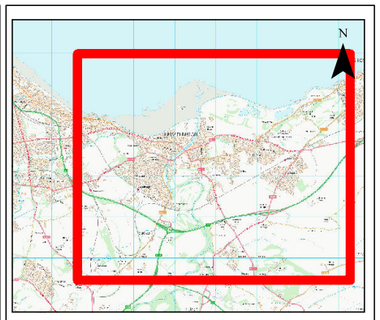




Key:

- Cell 1 - Stoneybank and Shirehaugh
- Cell 2 - Eskmills and Inveresk
- Cell 3 - Town Centre West and Fisherrow
- Cell 4 - Town Centre East
- Cell 5 - Pinkie Burn
- Cell 6 - Old Sea Walls and Lagoons
- Cell 7 - Upper Catchment
- Cell 8 - Fisherrow Sands Coastal Management

FOR CONSULTATION

SCALE 1:14000

REV	SUIT	DATE	DESCRIPTION	BY	APP
001		03/06	CELL MAPS	EM	

JACOBS

East Lothian Council

MUSSELBURGH FLOOD PROTECTION SCHEME
MUSSELBURGH FLOOD CELLS

DESIGN:	DRAWN:	CHK:	APP:
EH	EM	EH	SV

DATE: 03/06/2019

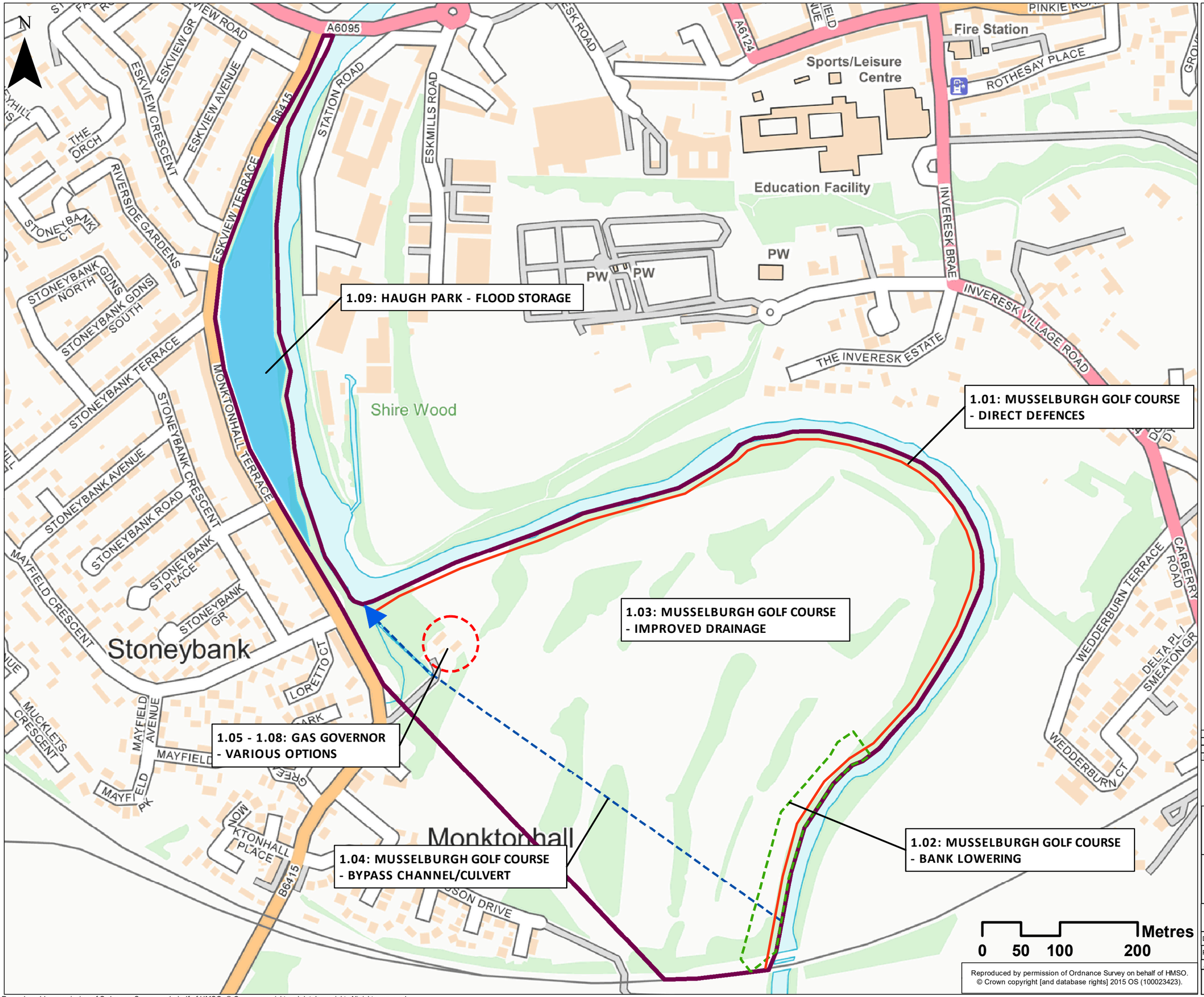
PROJ: 701909

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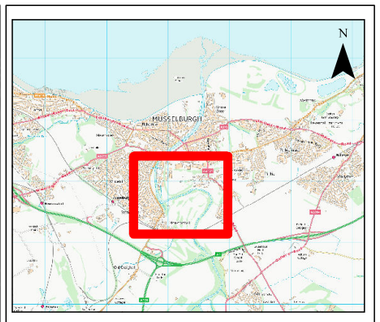
.	REVISION: 01	.

Document Path: \\gb\gbp\sf\Projects\2\Wales\701909 - Musselburgh FPS\2_Working Folders\1_Calculation\06_GIS\06_MXDs\Musselburgh - All Flood Cells.mxd

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Key:

- Cell 1 - Stoneybank and Shirehaugh
- Flood Storage Area
- Bank Lowering
- Direct Defences

FOR CONSULTATION

SCALE 1:4500

REV	SUIT	DATE	DESCRIPTION	BY	APP
001		03/06	CELL MAP	EM	

JACOBS

East Lothian Council

MUSSELBURGH FLOOD PROTECTION SCHEME
OPTION APPRAISAL
CELL 1 - STONEYBANK AND SHIREHAUGH

DESIGN:	DRAWN:	CHK:	APP:
EH	EM	EH	SV

DATE: 03/06/2019

PROJ: 701909

REVISION: 01

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2.17 - 2.19: STATION ROAD (OLIVE BANK) BRIDGE - VARIOUS OPTIONS

2.15 - 2.16: IVANHOE (COTTON MILLS) FOOTBRIDGE - REMOVE/ RAISE/REPLACE

2.11 - 2.14: ESKMILLS PARK (RESIDENTIAL)/INVERESK INDUSTRIAL ESTATE - VARIOUS OPTIONS

2.09 - 2.10: MILL LADE - VARIOUS OPTIONS

2.04: ABANDONMENT OF AT RISK PROPERTIES (INVERESK ESTATE)

2.03: DIRECT DEFENCES (VARIOUS POSSIBLE ALIGNMENTS)

2.05 - 2.08: ESKMILLS WEIR - VARIOUS OPTIONS

2.02: FLOOD PLAIN RECONNECTION BY LOWERING RIVERSIDE PATH LEVEL

2.01: RAILWAY EMBANKMENT AS FLOOD STORAGE

Fire Station
Sports/Leisure Centre
Education Facility
Lewisvale
Monktonhall
Inveresk
Shire Wood
Services

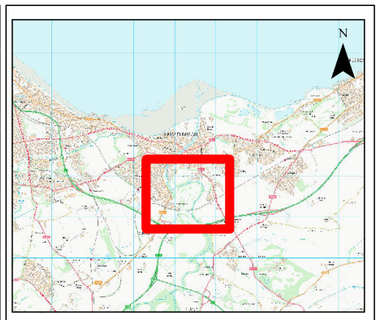
A6095 STATION ROAD ESKMILLS ROAD B6415 ESKVIEW TERRACE ESKVIEW GR ESKVIEW CRESCENT ESKVIEW AVENUE STONEYHILL GARDENS THE ORCH STONEYBANK DR STONEYBANK NORTH GDNS STONEYBANK GDNS SOUTH STONEYBANK TERRACE MONKTONHALL TERRACE STONEYBANK AVENUE STONEYBANK ROAD STONEYBANK CRESCENT STONEYBANK PLACE STONEYBANK GR MUCKLETS DR MUCKLETS CRESCENT MAYFIELD AVENUE MAYFIELD PLACE MAYFIELD PK LORETTO CT GREENFIELD PARK MONKTONHALL PLACE FERGUSON DRIVE ROTHESAY PLACE INVERESK BRAE INVERESK VILLAGE ROAD THE INVERESK ESTATE PARK AVENUE PARK VW PARK LANE PARK GARDENS LEWISVALE AVENUE LEWISVALE CT CHAMPIGNY CT EDENHALL BANK EDENHALL CRESCENT GROVE ST CROOKSTON CT CROOKSTON ROAD CARBERRY ROAD CARBERRY CLOSE WEDDERBURN TERRACE WEDDERBURN CT DELTA PL SMEATON GR COWPITS FORD ROAD COWPITS ROAD A1 A6124

N

0 75 150 300 Metres

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Key:

- Cell 2 - Eskmills and Inveresk
- Flood Storage
- Flood Plain Reconnection
- Direct Defences

FOR CONSULTATION

SCALE 1:6000

REV	SUIT	DATE	DESCRIPTION	BY	APP
001		03/06	CELL MAPS	EM	

JACOBS

East Lothian Council

MUSSELBURGH FLOOD PROTECTION SCHEME OPTION APPRAISAL CELL 2 - ESKMILLS AND INVERESK

DESIGN:	DRAWN:	CHK:	APP:
EH	EM	EH	SV

DATE: 03/06/2019

PROJ: 701909

REVISION: 01

Document Path: \\gladpdpt01\Projects2\Wetcnt\701909 - Musselburgh FPS\2_Working Folders\1_Calculations\800_CIS\06_MIDs\Cell 2 - Eskmills and Inveresk.mxd

N

Fisherrow Sands

3.10 - 3.11: FISHERROW HARBOUR - RELOCATION/INFILL

3.07: SCOTTISH WATER ESK PUMPING STATION - REMEDIAL WORKS

3.06 LORETTO PLAYING FIELD - FLOOD STORAGE

3.09: FISHERROW HARBOUR - WALLS TO BRUNSTANE BURN

3.05 LORETTO PLAYING FIELD & FISHERROW PROMENADE - DIRECT DEFENCES (VARIOUS ALIGNMENTS)

3.13: RAISE EDINBURGH ROAD

3.12: FISHERROW PROMENADE PUMPING STATIONS

3.08: RAISE NEW STREET

3.04: ESKSIDE WEST & LORETTO PLAYING FIELD - DIRECT DEFENCES (VARIOUS ALIGNMENTS)

3.01 - 3.03: OLD ROMAN BRIDGE - VARIOUS OPTIONS

Newhailes

Stoneyhill

Stoneyhill Steading

Fisherrow

MUSSELBURGH

Education Facility

Museum

Library

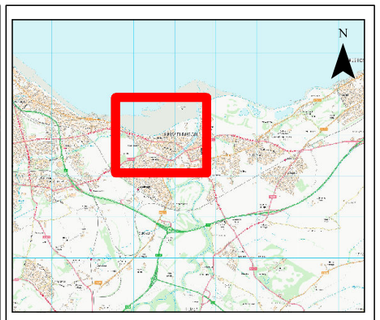
Fire Station

Sports/Leisure Centre

PW

PO

0 70 140 280 Metres



Key:

- Cell 3 - Town Centre West and Fisherrow
- Flood Storage Area
- Ground Raising
- Direct Defences

FOR CONSULTATION

SCALE 1:6500

REV	SUIT	DATE	DESCRIPTION	BY	APP
001		03/06	CELL MAP	EM	

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East Lothian Council

MUSSELBURGH FLOOD PROTECTION SCHEME OPTION APPRAISAL
CELL 3 - TOWN CENTRE WEST AND FISHERROW

DESIGN:	DRAWN:	CHK:	APP:
EH	EM	EH	SV

DATE: 03/06/2019

PROJ: 701909

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N

Fisherrow Sands

4.10: ESKSIDE EAST & GOOSE GREEN - DIRECT DEFENCES (VARIOUS OPTIONS)

4.11 - 4.15: GOOSE GREEN WEIR - VARIOUS OPTIONS

4.06 - 4.07: SSEB (ELECTRIC) BRIDGE - REMOVE/RAISE/REPLACE

4.08 - 4.09: GOOSE GREEN (NEW STREET) FOOTBRIDGE - REMOVE/RAISE/REPLACE

4.01 - 4.03: NEW (RENNIE) BRIDGE - VARIOUS OPTIONS

4.04 - 4.05: SHORTHOPE STREET FOOTBRIDGE - REMOVE/RAISE/REPLACE

Musselburgh Lagoons

Westpans

Goose Green

MUSSELBURGH

Lewisvale

Pinkie

Inveresk

Shire Wood

Pinkie Burn

Education Facility

Police Station

Fire Station

Sports/Leisure Centre

Medical Care

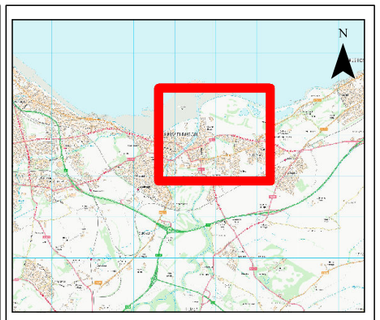
Library

Museum

A199

A6095

B6415



Key:

Cell 4 - Town Centre East

Direct Defences

FOR CONSULTATION

SCALE 1:8000

REV	SUIT	DATE	DESCRIPTION	BY	APP
001		03/06	CELL MAPS	EM	

JACOBS

East Lothian Council

MUSSELBURGH FLOOD PROTECTION SCHEME
OPTION APPRAISAL
CELL 4 - TOWN CENTRE EAST

DESIGN:	DRAWN:	CHK:	APP:
EH	EM	EH	SV

DATE: 03/06/2019

PROJ: 701909

REVISION: 01

0 100 200 400 Metres

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N

5.07 - 5.08: PINKIE BURN OUTLET
- SURFACE WATER PUMPING STATION/
NON-RETURN FLAP VALVE

5.06: PINKIE BURN - BYPASS
CHANNEL/CULVERT THROUGH
MUSSELBURGH LINKS GOLF COURSE

5.04 - 5.05: PINKIE BURN CULVERT
- INCREASE CAPACITY/DAYLIGHTING

5.02: PINKIE BURN - CULVERT
EXISTING OPEN CHANNEL SECTION

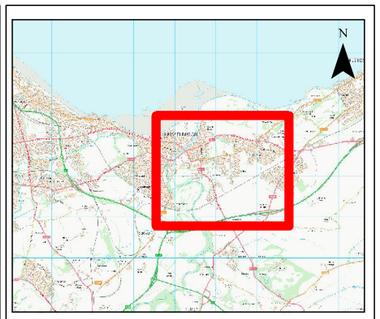
5.03: PINKIE BURN - DIRECT
DEFENCES TO OPEN CHANNEL SECTION

5.01: PINKIE ST. PETERS
- GROUNDWATER PUMPING STATION

Goose Green
Westpans
Goshen Farm
Steading
Ravenshaugh Burn
Levenhall
THE COACH
HOUSE
Fisherrow
MUSSELBURGH
Pinkie Braes
Lewisvale
Pinkie
Wallyford
Inveresk
Shire Wood
Stoneybank
Monktonhall
Eskfield
Cottages
Auburn
Cottage
Sweethope
North Lodge

Metres
0 125 250 500

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Key:

- Cell 5 - Pinkie Burn
- Groundwater Pumping Station
- Bypass Channel/Culvert
- Direct Defences

FOR CONSULTATION

SCALE 1:9500

REV	SUIT	DATE	DESCRIPTION	BY	APP
001		03/06	CELL MAPS	EM	

JACOBS

East Lothian Council

MUSSELBURGH FLOOD PROTECTION SCHEME
OPTION APPRAISAL
CELL 5 - PINKIE BURN

DESIGN:	DRAWN:	CHK:	APP:
EH	EM	EH	SV

DATE: 03/06/2019

PROJ: 701909

REVISION: 01

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N

6.06: NEW SEA WALL ALONG ENTIRE COASTAL EXTENT

6.07: MUSSELBURGH LAGOONS - STABILISATION OF ASH DEPOSITS

6.01 - 6.04: OLD SEA WALL - VARIOUS OPTIONS

6.05: SECONDARY LINE OF DEFENCE ALONG OLD COASTAL ALIGNMENT

Fisherrow Sands

Musselburgh Lagoons

Westpans

Goose Green

Goshen Farm Steading

Ravenshaugh Burn

Levenhall

THE COACH HOUSE

Pinkie Braes

Lewisvale

MUSSELBURGH

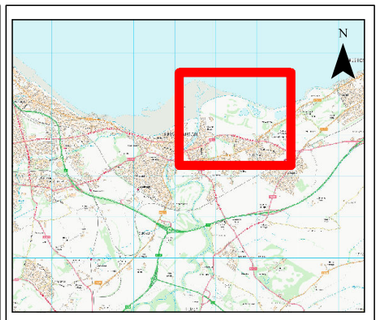
Pinkie Burn

Wallyford

0 100 200 400 Metres

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Key:

- Cell 6 - Old Sea Walls and Lagoons
- Direct Defences

FOR CONSULTATION

SCALE 1:8000

REV	SUIT	DATE	DESCRIPTION	BY	APP
001		03/06	CELL MAPS	EM	

JACOBS

East Lothian Council

MUSSELBURGH FLOOD PROTECTION SCHEME
OPTION APPRAISAL
CELL 6 - OLD SEA WALLS AND LAGOONS

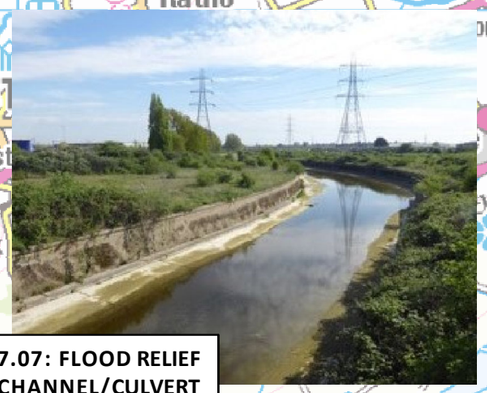
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DATE: 03/06/2019

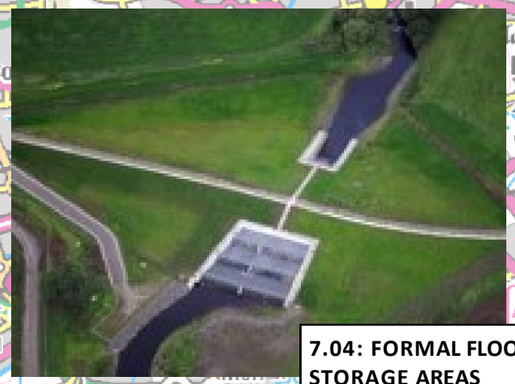
PROJ: 701909

REVISION: 01

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7.07: FLOOD RELIEF CHANNEL/CULVERT



7.04: FORMAL FLOOD STORAGE AREAS

7.01: A1 BRIDGE AS FSA

7.05 - 7.06: CATCHMENT TRANSFER

7.08: PUMPING EXCESS FLOWS

GLENCORSE RESERVOIR

LOGANLEA RESERVOIR

7.03: SUSTAINABLE FRM (USE OF EXISTING ASSETS)

NORTH ESK RESERVOIR

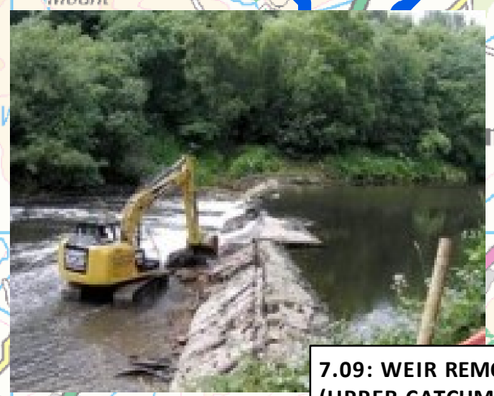
EDGELAW RESERVOIR

ROSEBERY RESERVOIR

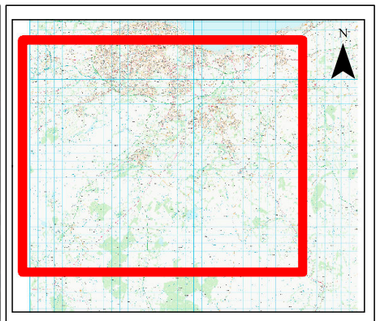
GLADHOUSE RESERVOIR



7.02: NFM - VARIOUS OPTIONS



7.09: WEIR REMOVAL (UPPER CATCHMENT)



Key:

- Cell 7 - Upper Catchment
- Reservoir

FOR CONSULTATION

SCALE 1:750000

REV	SUIT	DATE	DESCRIPTION	BY	APP
001		03/06	CELL MAPS	EM	

JACOBS

East Lothian Council

MUSSELBURGH FLOOD PROTECTION SCHEME OPTION APPRAISAL
CELL 7 - UPPER CATCHMENT (UPSTREAM OF A1 BRIDGE)

DESIGN:	DRAWN:	CHK:	APP:
EH	EM	EH	SV

DATE: 03/06/2019

PROJ: 701909

REVISION: 01

0 1,250 2,500 5,000 Metres

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N

8.03: BEACH REPLENISHMENT /NOURISHMENT

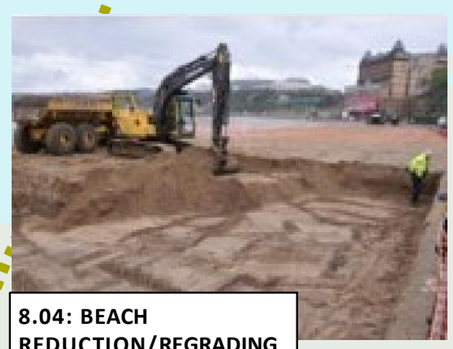


8.06: WAVE ENERGY ATTENUATION





8.05: BREAKWATERS



8.04: BEACH REDUCTION/REGRADING

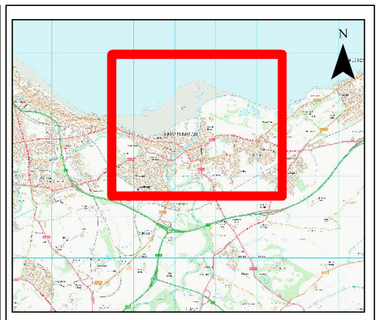
8.02: MANAGED REALIGNMENT THROUGH BREACHING EXISTING SEA WALL

8.01: TIDAL BARRIER

Fisherrow Sands
Goose Green
Westpans
Musselburgh Lagoons
Ravenshaugh Burn
Levenhall
Pinkie Braes
Pinkie
Lewisvale
Fisherrow
MUSSELBURGH
Newhailes
Stoneyhill
Whitehill
Musselburgh
Stoneybank
Inveresk
Shire Wood
Pinkie Burn

0 150 300 600 Metres

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Key:

Cell 8 - Fisherrow Sands Coastal Management

FOR CONSULTATION

SCALE 1:12000

REV	SUIT	DATE	DESCRIPTION	BY	APP
001		03/06	CELL MAPS	EM	

JACOBS

East Lothian Council

MUSSELBURGH FLOOD PROTECTION SCHEME
OPTION APPRAISAL
CELL 8 - FISHERROW SANDS COASTAL MANAGEMENT

DESIGN:	DRAWN:	CHK:	APP:
EH	EM	EH	SV

DATE: 03/06/2019

PROJ: 701909

REVISION: 01

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