Table 1 - Definition of flood risk impact magnitude extracted from Annex IV, Table A4.4 of the DMRB guidance

| Magnitude | Criteria | Typical example |
|------------------------|--|---|
| Major adverse | Results in effect on attribute, but of insufficient magnitude to affect the use or integrity. | Flood Risk: Increase in peak flood level (1% annual probability) >100mm. (Hydrological Assessment of Design Floods and Hydraulic Assessment, Methods E and F, Annex I). |
| Moderate Adverse | Results in effect on integrity of attribute, or loss of part of attribute. | Flood Risk: Increase in peak flood level (1% annual probability) >50mm |
| Minor adverse | Results in some measurable change in attributes quality or vulnerability. | Flood Risk: Increase in peak flood level (1% annual probability) >10mm. |
| Negligible | Results in effect on attribute, but of insufficient magnitude to affect the use or integrity. | Flood Risk: Negligible change in peak flood level (1% annual probability) <+/- 10mm |
| Minor Beneficial | Results in some beneficial effect on attribute or a reduced risk of negative effect occurring. | Flood Risk: Reduction in peak flood level (1% annual probability) >10mm |
| Moderate beneficial | Results in moderate improvement of attribute quality. | Flood Risk: Reduction in peak flood level (1% annual probability) >50mm. |
| Major beneficial | Results in major improvement of attribute quality. | Flood Risk: Reduction in peak flood level (1% annual probability) >100mm. |

Table 2 ES Volume 1, Chapter 11 Table 11.18 Summary of magnitude of peak impact from selected sources and scenarios from the FRA (revised)

| Flooding source and Flood Risk Assessment figure reference | Scenario | Areas of adverse impact / magnitude | Areas of beneficial impact / magnitude |
|---|---|--|---|
| Pluvial (Figure 14.3) | A 1 in 100-year return period event with 30% increase in rainfall intensity for climate change impacts | Negligible change in flood depths across Scheme and study area - Neutral | Negligible change in flood depths across Scheme and study area - Neutral |
| Tidal – Humber Wave Overtopping (Figure 14.18) | A 1 in 200-year return period event | Kingston Retail Park – increase of maximum flood depth of up to 0.2m – major adverse Princes Quay – increase of maximum flood depth of up to 0.2m – major adverse Blanket Row, Blackfriargate and surrounding streets – increase of maximum flood depth of up to 0.7m – major adverse Market Place and surrounding streets north of the A63 – increase of maximum depth of up to 0.1m – moderate adverse Queens Gardens – increase in maximum depth of up to 0.3m – major adverse Wassand Street and Neptune Street – increase of maximum | Commercial Road south of underpass and A63 carriageway east of underpass – reduction of maximum flood depths of up to 0.5m – major beneficial Myton Street and Osborne Street – reductin in maximum flood depth of up to 0.3m – major beneficial |
| Tidal – Humber Wave Overtopping (Figure 14.21) | A 1 in 1000-year return period event | flood depth of up to 0.20m – major adverse Kingston Retail Park – increase of maximum flood depth of up to 0.4m – major adverse Princes Quay – increase of maximum flood depths of up to 0.2m – major adverse | Commercial Road south of underpass and A63 carriageway east of underpass – reduction of maximum flood depth of up to 0.6m – major beneficial A1079 Ferensway north of underpass – reduction of |

| | | Underpass – increase of maximum flood depth of up to 5.8m – major adverse Blanket Row, Blackfriargate and surrounding streets – increase of maximum flood depth of up to 0.74m – major adverse Market Place and surrounding streets – increase of maxumum flood depth of up to 0.1m – moderate adverse Queens Gardens – increase of maximum flood depth of up to 0.2m – major adverse Land east of Dock Office Row – increase of maximum flood depth of up to 1m – major adverse Waverley Street – increase of maximum flood depth of up to | maximm flood depth of up to 0.66m – major beneficial A1079 Ferensway and surrounding streets north of A63 – reduction of maximum flood depths of up to 0.3m – major beneficial A1105 Anlaby Road, St Luke's Street, Osborne Street, Porter Street and surrounding roads – reduciton in maximum flood depth of up to 0.1m – moderate beneficial Area to the north-west of St-Stephens shopping centre – reduction of maximum flood depths of up to 0.05m – minor beneficial |
|--|--|--|---|
| Tidal – Humber Wave Overtopping (Figure 14.28) | A 1 in 200-year return period event with a consideration of climate change | 0.3m – major adverse North end of Kingston Retail Park and Waverley Street – increase of maximum flood depth of up to 0.6m – major adverse Underpass – increase of maximum flood depth of up to 6.2m – major adverse | Commercial Road south of underpass and A63 carriageway east of underpass – reduction of maximum flood depth of up to 0.5m – major beneficial A1079 Ferensway – reduction of maximum flood depth of up to 0.3m – major beneficial Osborne Street, Adelaide Street and surrounding roads – reduction of maximum flood depth of up to 0.1m – moderate beneficial |
| Tidal – Humber Wave Overtopping (Figure 14.34) | A 1 in 200 year return period event without existing flood defences | Kingston Retail Park – Increase of maximum flood depth of up to 0.20m - major adverse Blanket Row, Blackfriargate and surrounding streets – increase of maximum flood depth of up to | Commercial Road south of underpass and A63 carriageway east of underpass – Reduction of maximum flood depth of up to 0.6m – major beneficial A1079 Ferensway north of underpass – Reduction of maximum flood depth of greater than 0.5m – major beneficial |

| | <u></u> | | , |
|-----------------------|-------------------------|---|------------------------------------|
| | | 0.1m - moderate | |
| | | adverse | Roper Street and Myton Street – |
| | | | reduction of maximum flood |
| | | Queens Gardens and | depth of up to 0.3m - major |
| | | Dock Street – Increase | beneficial |
| | | of maximum flood depth | |
| | | of up to 0.1m – | Osborne Street, Carr Lane, |
| | | moderate adverse | Upper Union Street and |
| | | 1 | surrounding roads – reduction in |
| | | Underpass – Increase | maximum flood depth of up to |
| | | of maximum flood depth | 0.1m - moderate beneficial |
| | | of up 5.8m - major | |
| - | A 4 : 000 | adverse | |
| Tidal – Humber | A 1 in 200-year | Kingston Retail Park – | Commercial Road south of |
| Wave Overtopping | return period with | Increase of maximum | underpass and A63 carriageway |
| (Figure 14.37) | consideration for | flood depth of up to | east of underpass – Reduction |
| | climate change and | 0.2m - major adverse | of maximum flood depth of up to |
| | without existing | Planket Pour | 0.5m – major beneficial |
| | flood defences | Blanket Row, | A4070 Forensiyov north of |
| | | Blackfriargate and | A1079 Ferensway north of |
| | | surrounding streets – increase of maximum | underpass – Reduction of |
| | | | maximum flood depth of greater |
| | | flood depth of up to | than 0.5m – major beneficial |
| | | 0.2m – major adverse | Roper Street and Myton Street – |
| | | Waverley Street – | reduction of maximum flood |
| | | increase of maximum | depth of up to 0.3m – major |
| | | flood depth of up to | beneficial |
| | | 0.4m - major adverse | Scholola |
| | | l major davoros | Osborne Street, Carr Lane, |
| | | Underpass – Increase | Upper Union Street and |
| | | of maximum flood depth | surrounding roads – reduction in |
| | | of up 5.8m - major | maximum flood depth of up to - |
| | | adverse | 0.1m – moderate beneficial |
| Tidal from River Hull | A 1 in 200 year | Blanket Row, | Commercial Road south of |
| (Figure 14.44) | return period event | Blackfriargate and | underpass and A63 carriageway |
| | (tidal barrier fails to | surrounding streets | east of underpass – Reduction |
| | close) | south of A63 – increase | of maximum flood depth of up to |
| | | of maximum flood depth | 0.50m - major beneficial |
| | | of up to 0.2m – major | |
| | | adverse | Kingston Retail Park – |
| | | | Reduction of maximum flood |
| | | Humber Dock and | depth of up to 0.58m - major |
| | | Railway Dock – | beneficial |
| | | Increase of maximum | |
| | | flood depth of up to | A1079 Ferensway, St Luke's |
| | | 0.3m – major adverse | Street, Osborne Street and |
| | | . | surrounding roads – Reduction |
| | | Princes Quay – | of maximum flood depth of up to |
| | | Increase of maximum | 0.4m - major beneficial |
| | | flood depth of up to | |
| | | 0.6m – major adverse | |
| | | Market Place | |
| | | Market Place, | |
| | | Posterngate and | |
| | | surrounding streets – increase of maximum | |
| | | flood depth of up to | |
| | | 0.1m – major adverse | |
| | | a. iiii iiiajoi aaveise | |
| <u></u> | 1 | <u> </u> | 1 |

| maximum depth of up to 0.2m — major adverse Queen;s Gardens — increase of maximum flood depth of up to 0.1m — moderate adverse Underpass — Increase of maximum flood depth of up 5.8m - major adverse Underpass — Increase of maximum flood depth of up 5.8m - major adverse Underpass — Increase of maximum flood depth of up to 0.20m — major adverse Blanket Row, Blackfriargate and surrounding streets south of A63 — increase of maximum flood depth of up to 0.20m — major adverse Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads — increase in maximum flood depth of up to 0.5m — major beneficial A1079 Ferensway, St Luke's Street, Osborne Street and surrounding roads — Reduction of maximum flood depth of up to 0.66m — major beneficial Brook Street, North Street, Prospect Street, Wright Street and surrounding roads — reduction of maximum flood depth of up to 0.20m — major adverse Underpass — Increase of maximum flood depth of up to 0.20m — major adverse Underpass — Increase of maximum flood depth of up to 0.20m — major adverse Underpass — Increase of maximum flood depth of up to 0.20m — major adverse Underpass — Increase of maximum flood depth of up to 0.20m — major adverse Underpass — Increase of maximum flood depth of up to 0.20m — major adverse Underpass — Increase of maximum flood depth of up to 0.20m — major adverse | | Dagger Lane and Fish Street – increase of | |
|--|--------|--|---------------------------------------|
| Queen;s Gardens – increase of maximum flood depth of up to 0.1m – moderate adverse Underpass – Increase of maximum flood depth of up 5.8m – major adverse Underpass – Increase of maximum flood depth of up 5.8m – major adverse Blanket Row, Blackfriargate and surrounding streets south of A63 – increase of maximum flood depth of up to 0.20m – major beneficial Kingston Retail Park – Reduction of maximum flood depth of up to 0.59m – major beneficial Kingston Retail Park – Reduction of maximum flood depth of up to 0.59m – major beneficial Kingston Retail Park – Reduction of maximum flood depth of up to 0.59m – major beneficial Kingston Retail Park – Reduction of maximum flood depth of up to 0.59m – major beneficial Kingston Retail Park – Reduction of maximum flood depth of up to 0.59m – major beneficial Kingston Retail Park – Reduction of maximum flood depth of up to 0.66m – major beneficial Brook Street, North Street, Prospect Street, Wingth Street and surrounding roads – reduction in maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse | | maximum depth of up to | |
| increase of maximum flood depth of up to 0.1m – moderate adverse Underpass – Increase of maximum flood depth of up 5.8m - major adverse Underpass – Increase of maximum flood depth of up 5.8m - major adverse Blanket Row, Blackfriargate and surrounding streets south of A63 – increase of maximum flood depth of up to 0.20m – major adverse Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Underpass – Increase of maximum flood depth of up to 0.52m – major beneficial Brook Street, Nosborne Street and surrounding roads – Reduction of maximum flood depth of up to 0.66m – major beneficial Brook Street, Wright Street and surrounding roads – reducion in maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse | | • | |
| O.1m – moderate adverse Underpass – Increase of maximum flood depth of up 5.8m - major adverse Blanket Row, Black friargate and surrounding streets south of A63 – increase of maximum flood depth of up to 0.20m – major adverse Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major beneficial Brook Street, North Street, Prospect Street, Wright Street and surrounding roads – reduction in maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse | | | |
| At 1 in 1000 year return period event (tidal barrier fails to close) Tidal from River Hull (Figure 14.47) Tidal from River Hull (A 1 in along 463 carriageway east of underpass and 636 carriageway east of underpass and 643 carriageway east of underpass and south of underpass and surrounding road east of underpass and south of underpass and south of underpass and surderpass and saction of maximum flood depth of up to 0.52m – major beneficial Tidal from River Hull (Figure 14.47) Tidal from River Hull (Figu | | | |
| Tidal from River Hull (Figure 14.47) Tidal from River Hull (Figure 14.47) A 1 in 1000 year return period event (tidal barrier fails to close) Blanket Row, Blackfriargate and surrounding streets south of A63 – increase of maximum flood depth of up to 0.20m – major adverse Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m – moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.59m – major beneficial Brook Street, North Street, Prospect Street, Wright Street and surrounding roads – reduction in maximum flood depth of up to 0.20m – major adverse | | | |
| Tidal from River Hull (Figure 14.47) Tidal from River Hull (Figure 14.47) A 1 in 1000 year return period event (tidal barrier fails to close) Blanket Row, Blackfriargate and surrounding streets south of A63 – increase of maximum flood depth of up to 0.20m – major adverse Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m – moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse | | Underpass – Increase | |
| Tidal from River Hull (Figure 14.47) A 1 in 1000 year return period event (tidal barrier fails to close) Blanket Row, Blackfriargate and surrounding streets south of A63 – increase of maximum flood depth of up to 0.20m – major adverse Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse | | - | |
| return period event (tidal barrier fails to close) Blackfriargate and surrounding streets south of A63 – increase of maximum flood depth of up to 0.20m – major adverse Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 0.20m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass and A63 carriageway east of underpass – Reduction of maximum flood depth of up to 0.52m – major beneficial Kingston Retail Park – Reduction of maximum flood depth of up to 0.59m – major beneficial A1079 Ferensway, St Luke's Street, Osborne Street and surrounding roads – Reduction of maximum flood depth of up to 0.66m – major beneficial Brook Street, North Street, Prospect Street, Wright Street and surrounding roads – reduccion in maximum flood depth of up to 0.20m – major adverse Underpass and A63 carriageway east of underpass – Reduction of maximum flood depth of up to 0.52m – major beneficial Kingston Retail Park – Reduction of maximum flood depth of up to 0.66m – major beneficial Brook Street, North Street, Prospect Street, Wright Street and surrounding roads – reduccion in maximum flood depth of up to 0.20m – major adverse | | adverse | |
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| of maximum flood depth of up to 0.20m – major adverse Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Hinces Quay – Increase of maximum flood depth of up to 0.20m – major adverse O.52m – major beneficial Kingston Retail Park – Reduction of maximum flood depth of up to 0.59m – major beneficial A1079 Ferensway, St Luke's Street, Osborne Street and surrounding roads – Reduction of maximum flood depth of up to 0.66m – major beneficial Brook Street, North Street, Prospect Street, Wright Street and surrounding roads – reduciotn in maximum flood depth of up to 0.2m – major beneficial | | • | • |
| of up to 0.20m – major adverse Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – large | close) | | · · · · · · · · · · · · · · · · · · · |
| Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | - | 0.02m – major benenciar |
| Market Place, Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | adverse | |
| Posterngate, Dagger Lane, Prince's Dock Street and surrounding roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | Market Bloop | |
| Street and surrounding roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | Posterngate, Dagger | |
| roads – increase in maximum flood depth of up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – large | | | A1070 Faransway, St Luke's |
| up to 0.1m - moderate adverse Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up to 0.20m – large of maximum flood depth of up to 0.66m – major beneficial Brook Street, North Street, Prospect Street, Wright Street and surrounding roads – reduciotn in maximum flood depth of up to 0.2m – major beneficial | | _ | · · · · · · · · · · · · · · · · · · · |
| Humber Dock and Railway Dock — Increase of maximum flood depth of up to 1.03m — major adverse Princes Quay — Increase of maximum flood depth of up to 0.20m — major adverse Underpass — Increase of maximum flood depth of up 5.80m - large | | maximum flood depth of | surrounding roads – Reduction |
| Humber Dock and Railway Dock – Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | - | |
| Railway Dock — Increase of maximum flood depth of up to 1.03m — major adverse Princes Quay — Increase of maximum flood depth of up to 0.20m — major adverse Underpass — Increase of maximum flood depth of up 5.80m - large | | Humber Dock and | |
| Increase of maximum flood depth of up to 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | | |
| 1.03m – major adverse Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | Increase of maximum | _ |
| Princes Quay – Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | | |
| Increase of maximum flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | | |
| flood depth of up to 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | _ | |
| 0.20m – major adverse Underpass – Increase of maximum flood depth of up 5.80m - large | | | |
| of maximum flood depth of up 5.80m - large | | • • | |
| of up 5.80m - large | | Underpass – Increase | |
| | | - | |
| UNITED | | of up 5.80m - large adverse | |

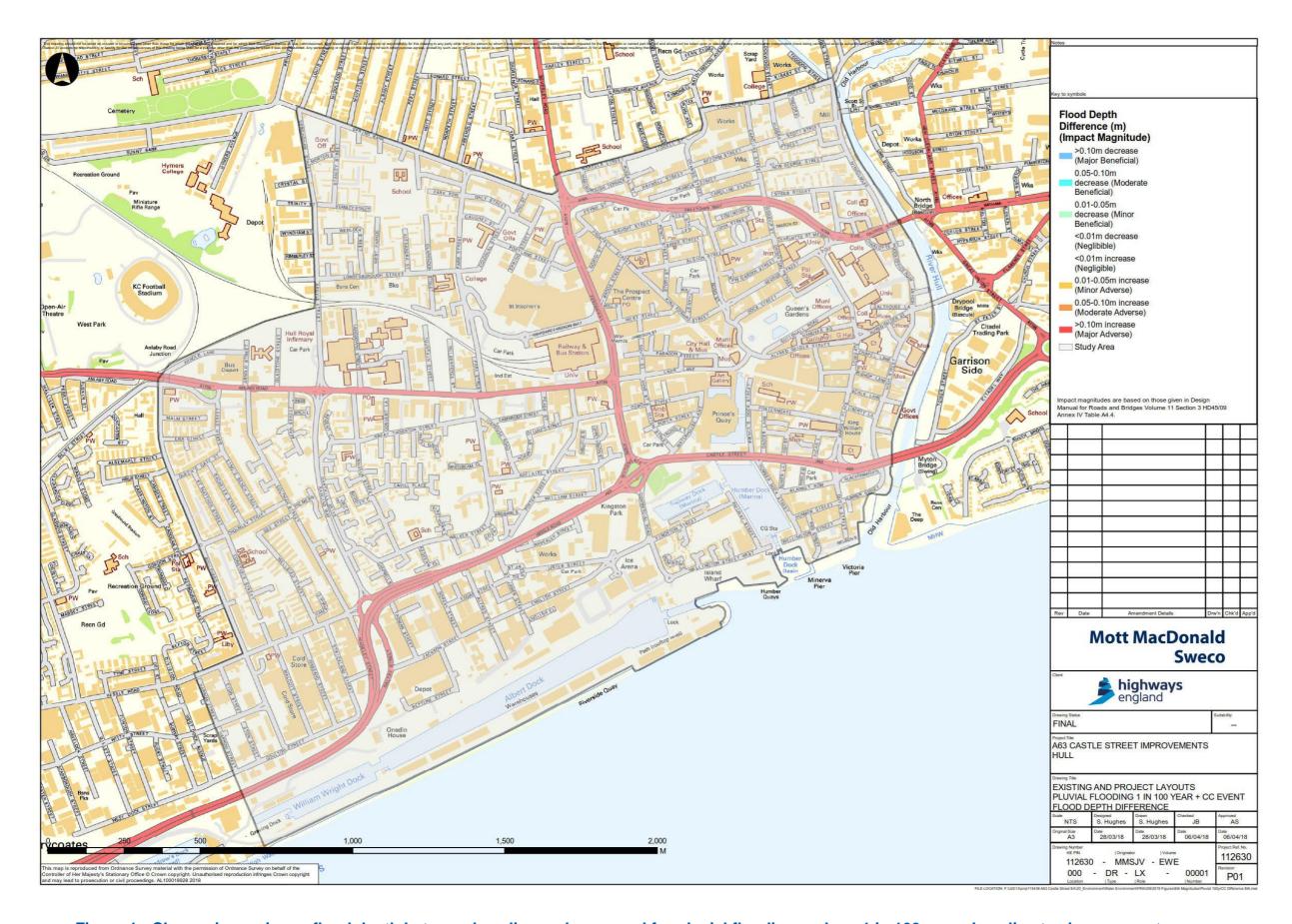


Figure 1 - Change in maximum flood depth between baseline and proposed for pluvial flooding under a 1 in 100 year plus climate change event

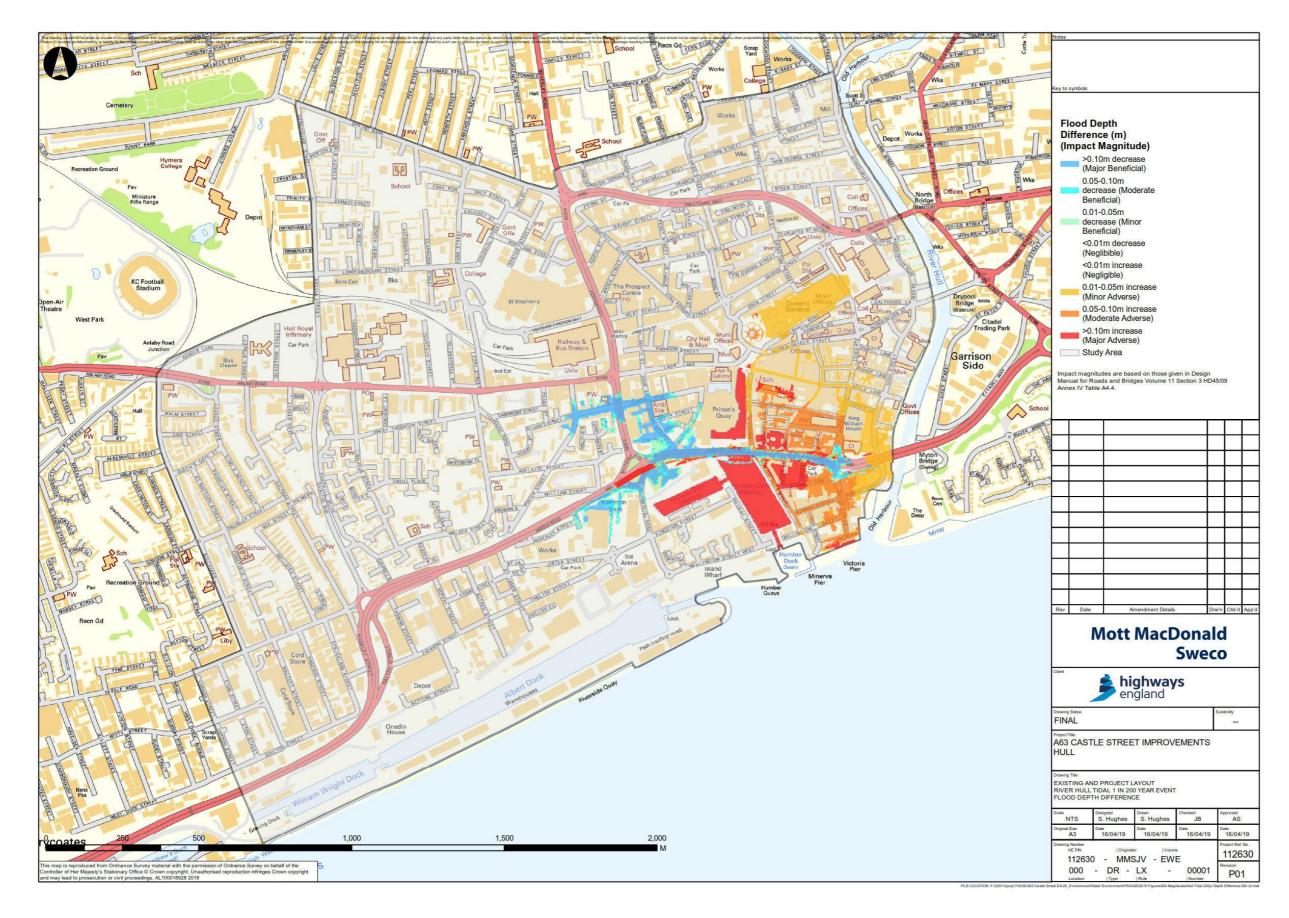


Figure 2 - Change in maximum flood depth between baseline and proposed for Hull tidal flooding under a 1 in 200 year event (with Hull Tidal Surge Barrier open)

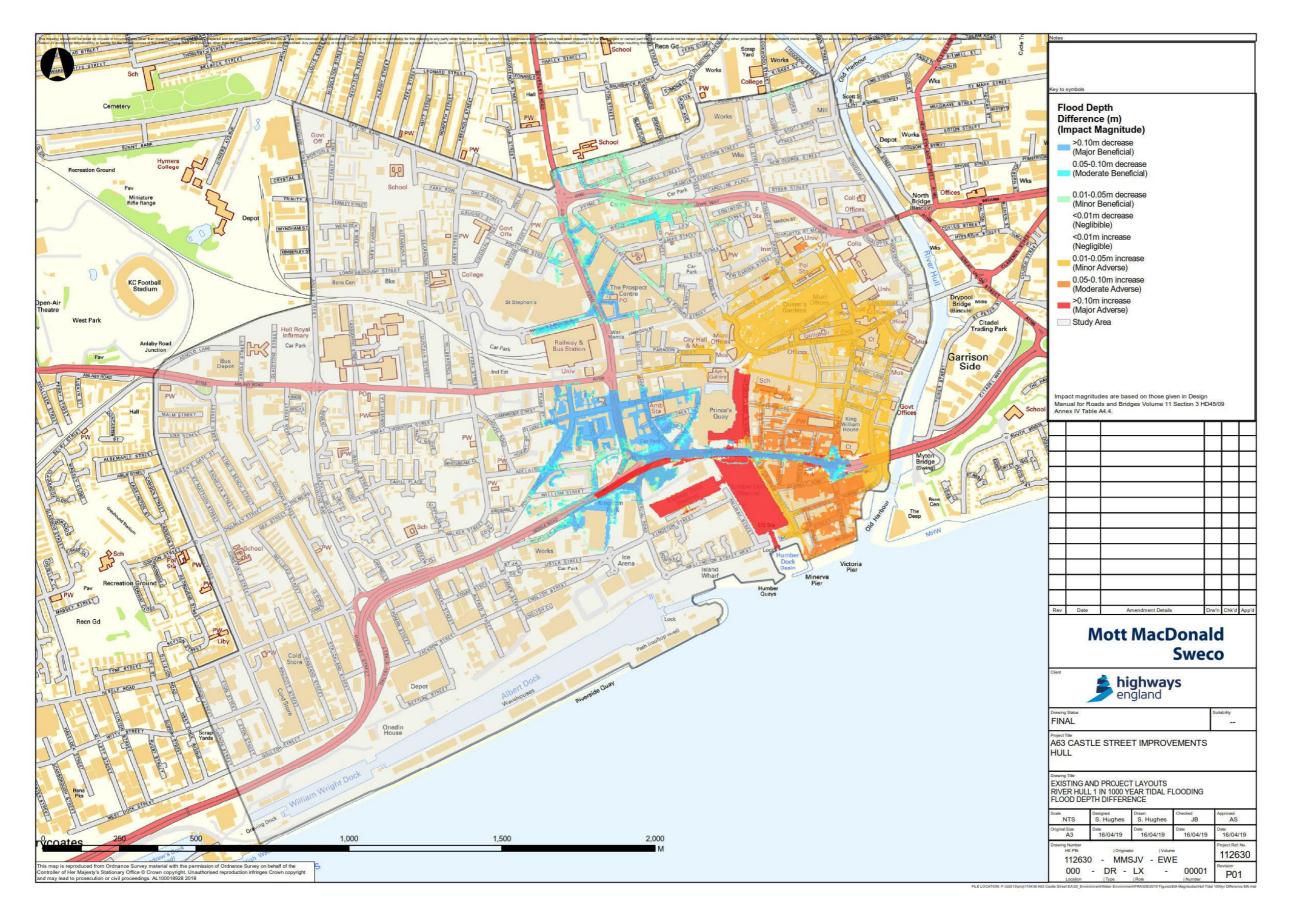


Figure 3 - Change in maximum flood depth between baseline and proposed for Hull tidal flooding under a 1 in 1000 year event (with Hull Tidal Surge Barrier open)

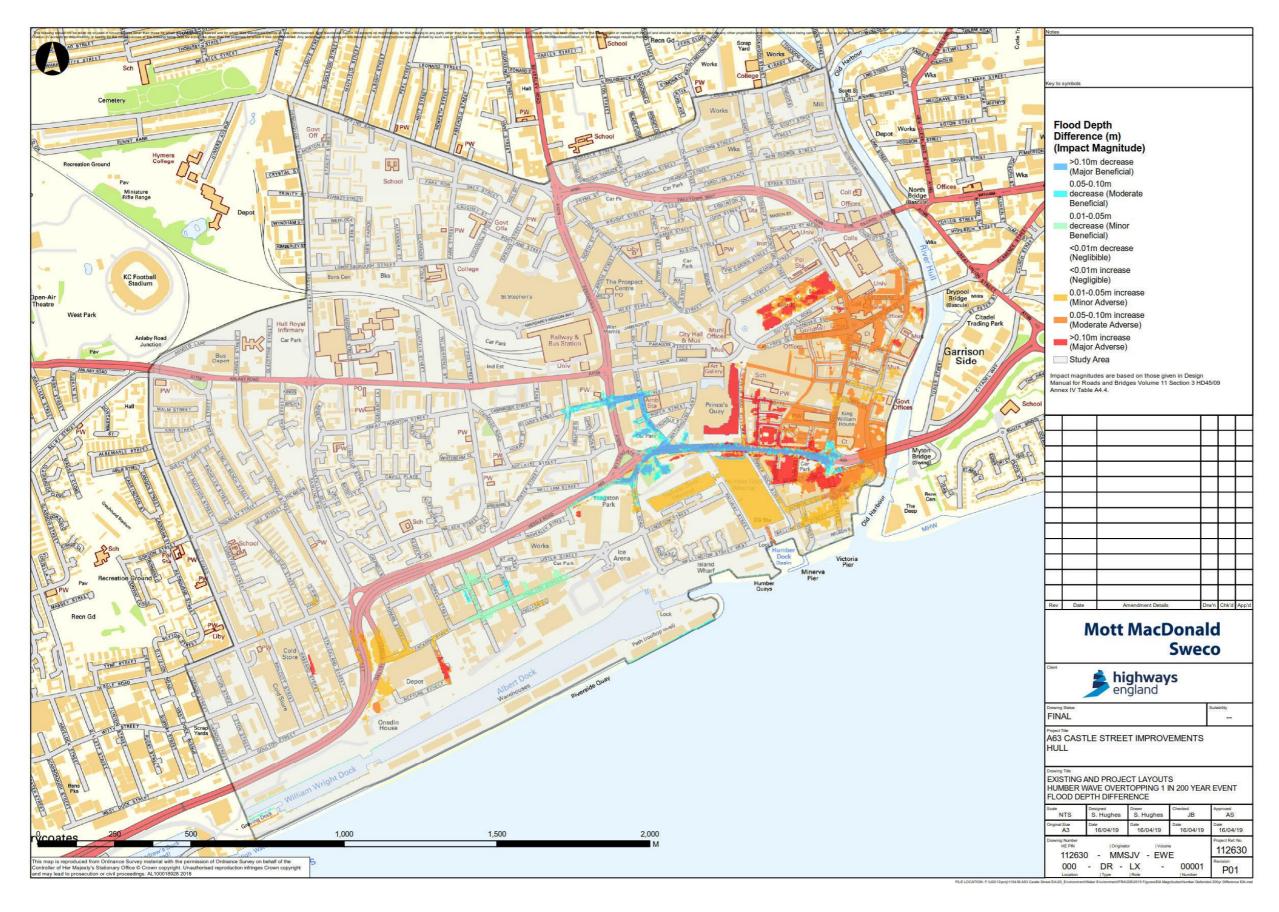


Figure 4 - Change in maximum flood depth between baseline and proposed for Humber wave overtopping flooding under a 1 in 200 year event

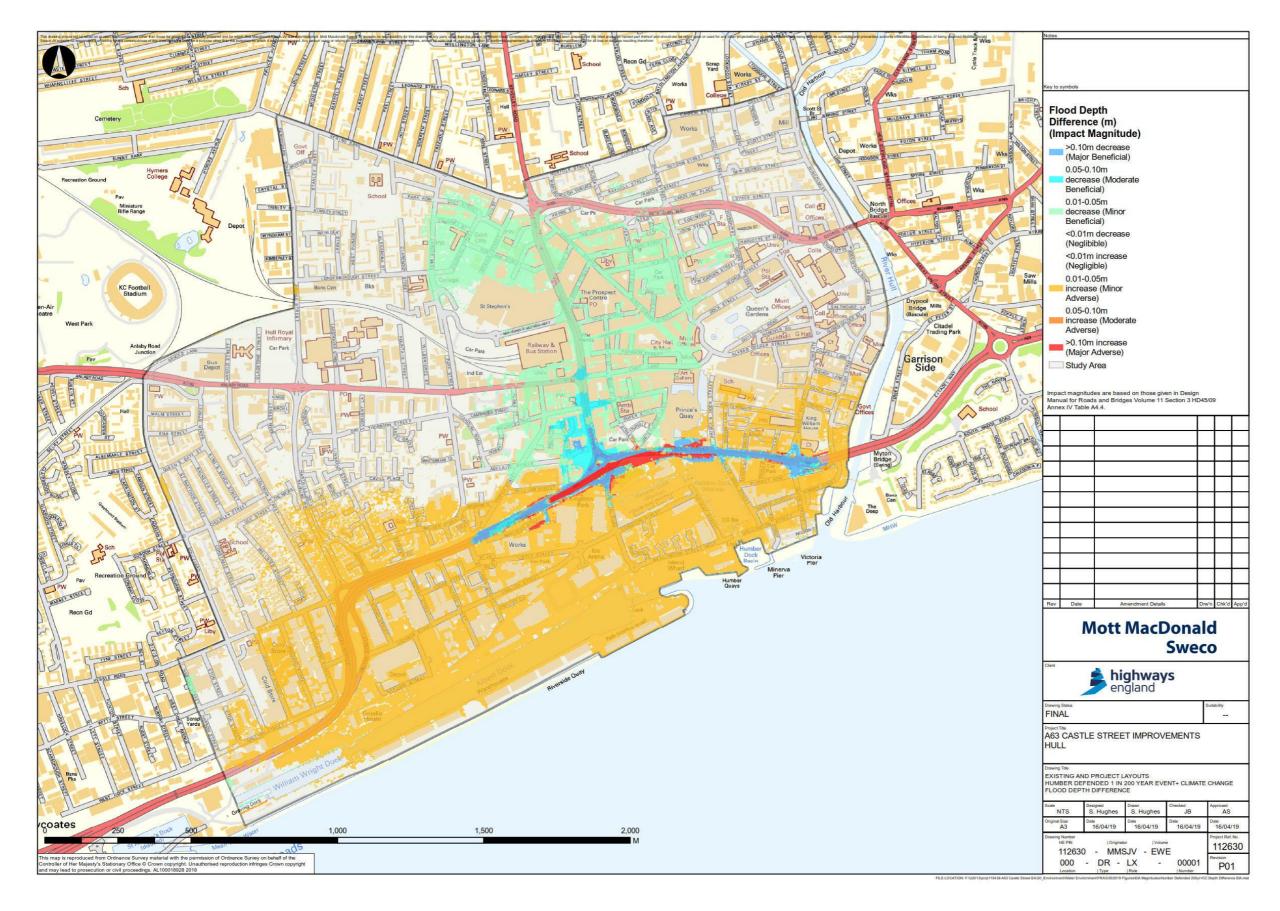


Figure 5 - Change in maximum flood depth between baseline and proposed for Humber wave overtopping flooding under a 1 in 200 year with climate change (2115) event

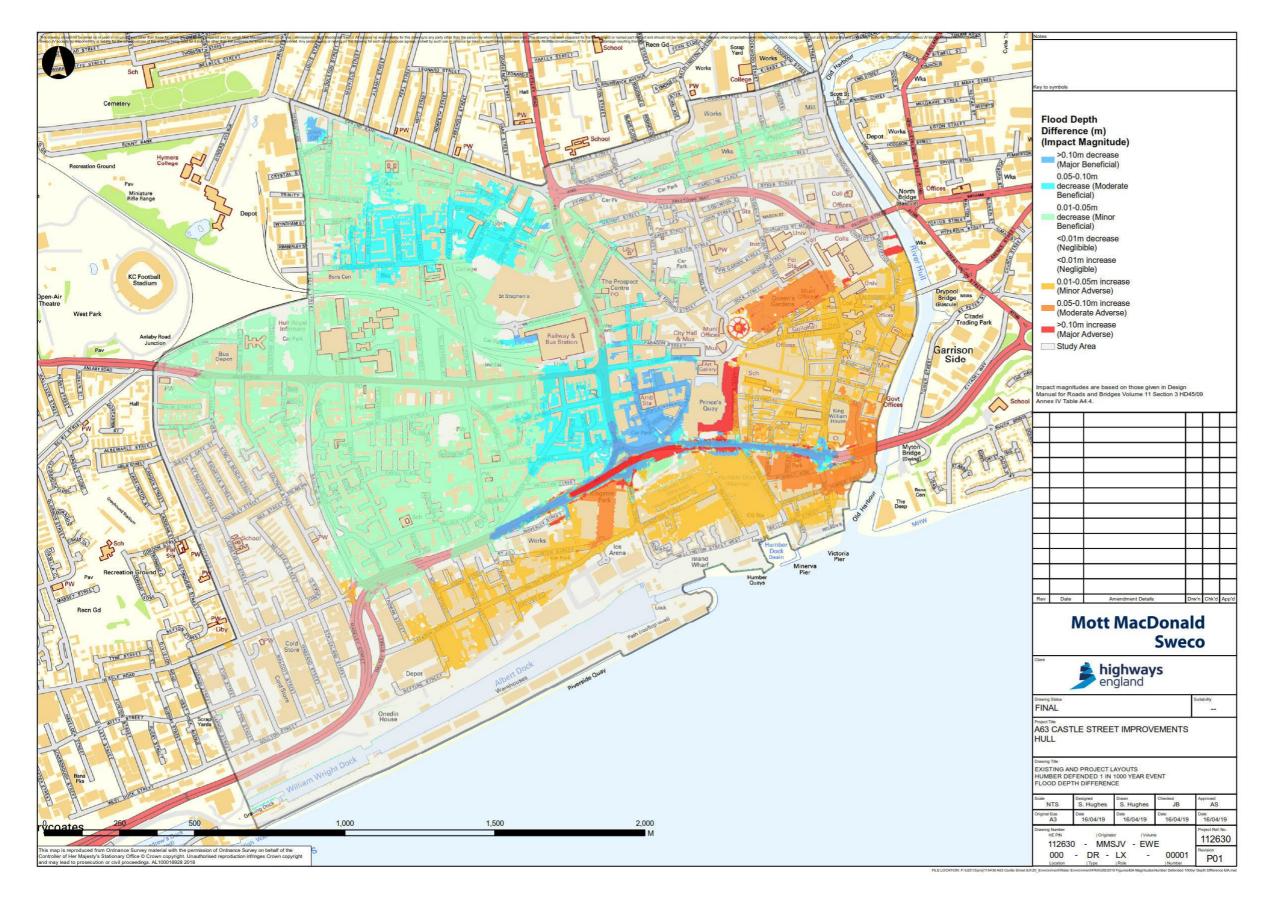


Figure 6 - Change in maximum flood depth between baseline and proposed for Humber wave overtopping flooding under a 1 in 1000 year event

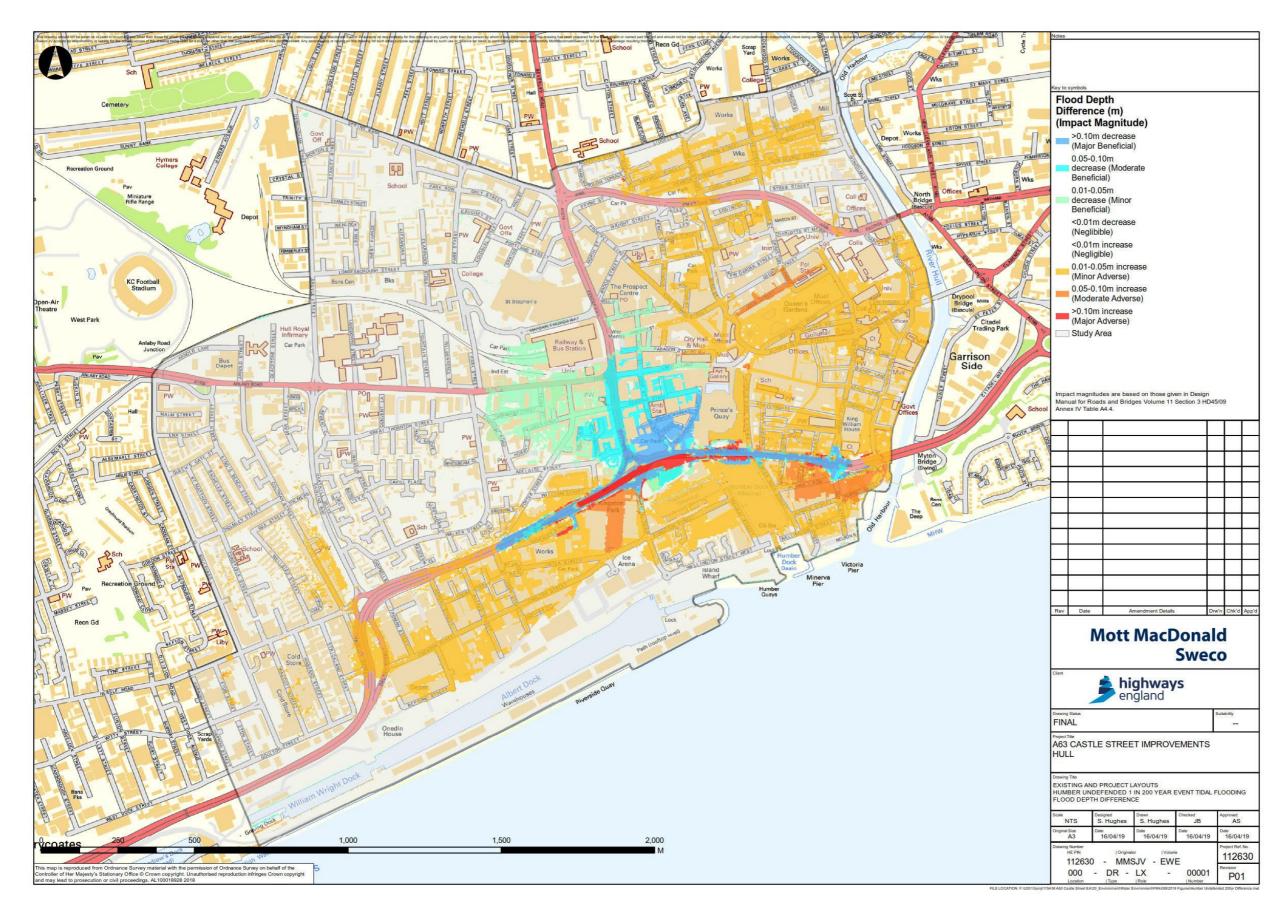


Figure 7 - Change in maximum flood depth between baseline and proposed for Humber undefended tidal flooding under a 1 in 200 year event

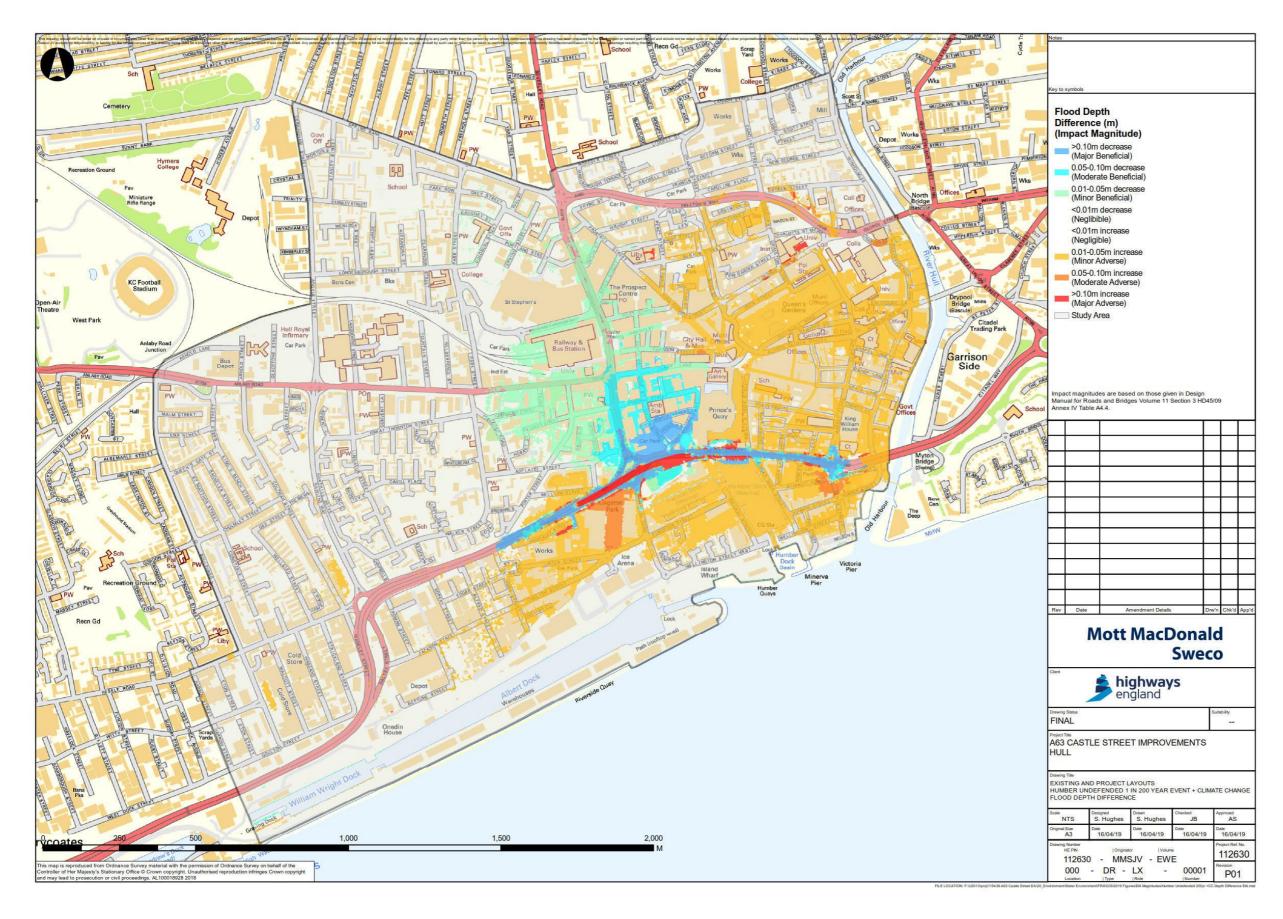


Figure 8 - Change in maximum flood depth between baseline and proposed for Humber undefended tidal flooding under a 1 in 200 year event plus climate change