

**Supporting Figures to Applicant's Response to Environment Agency's Relevant Representation [REP1-016]** 



Appendix A: Maximum flood depth and Flood Hazard Rating maps under H++ climate change scenarios (to 2085 and 2115)

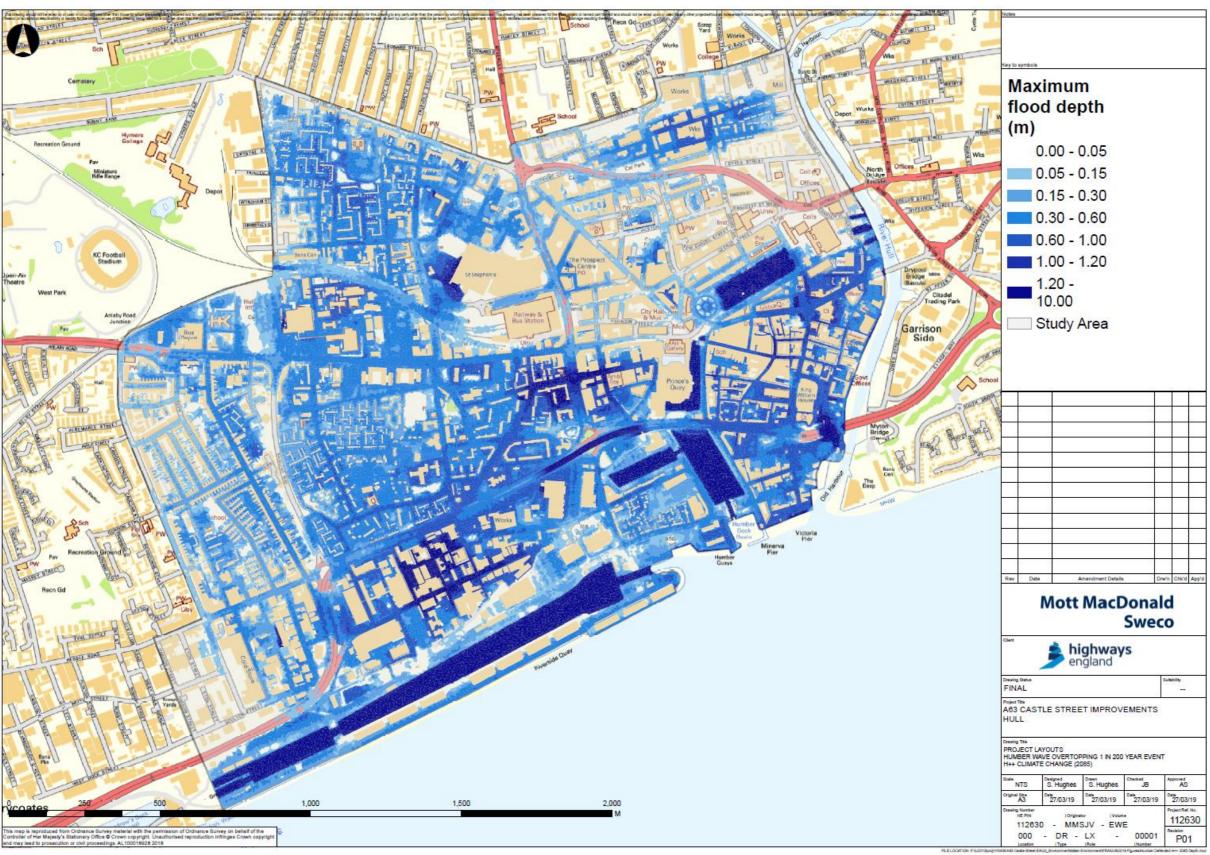


Figure A1: Plan of maximum modelled flood depth for the Scheme during a 1 in 200-year wave overtopping flood event from the Humber Estuary including H++ climate change allowance to 2085 for Scheme layout



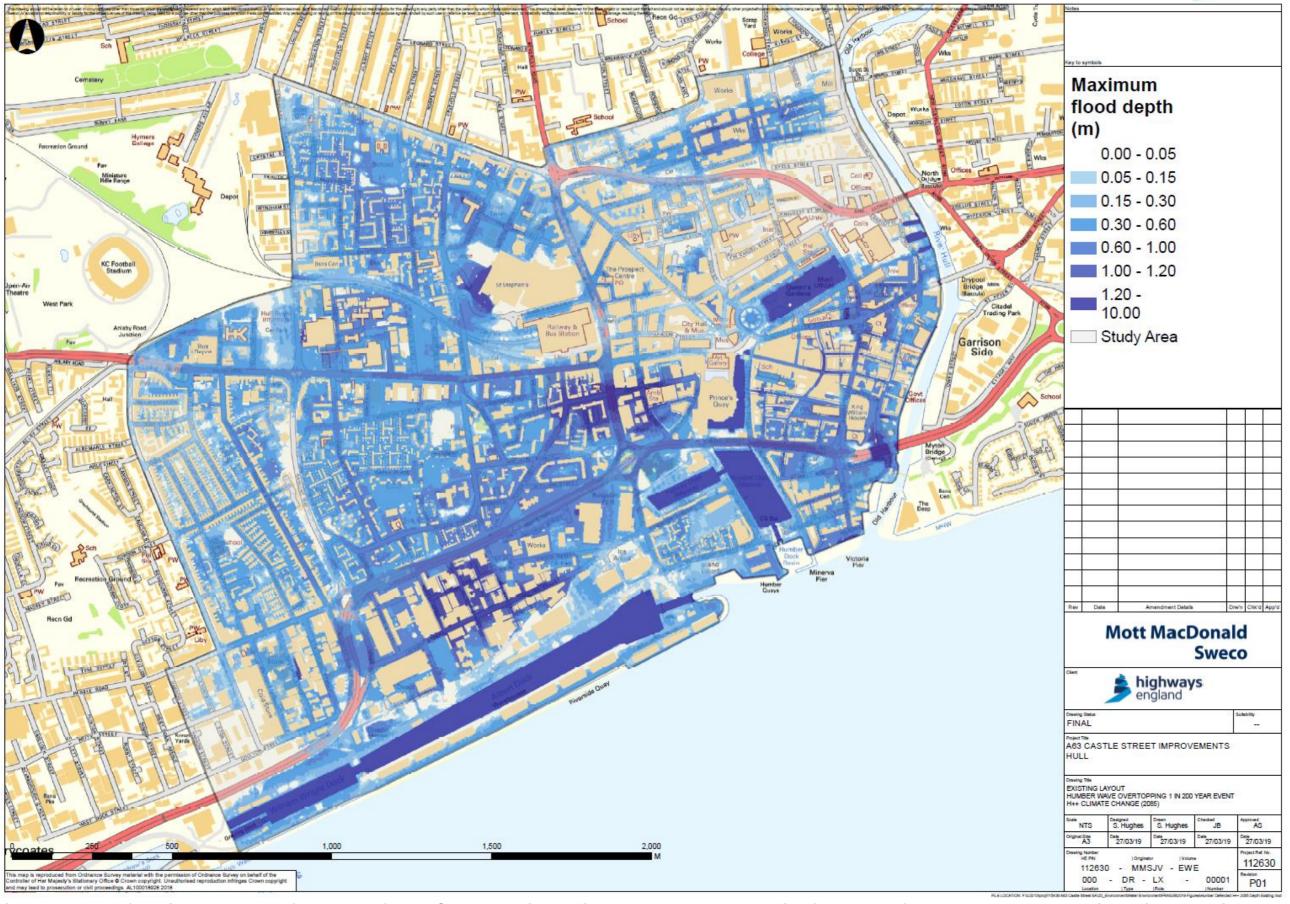


Figure A2: Plan of maximum modelled flood depth for the Scheme during a 1 in 200-year wave overtopping flood event from the Humber Estuary including H++ climate change allowance to 2085 for existing layout



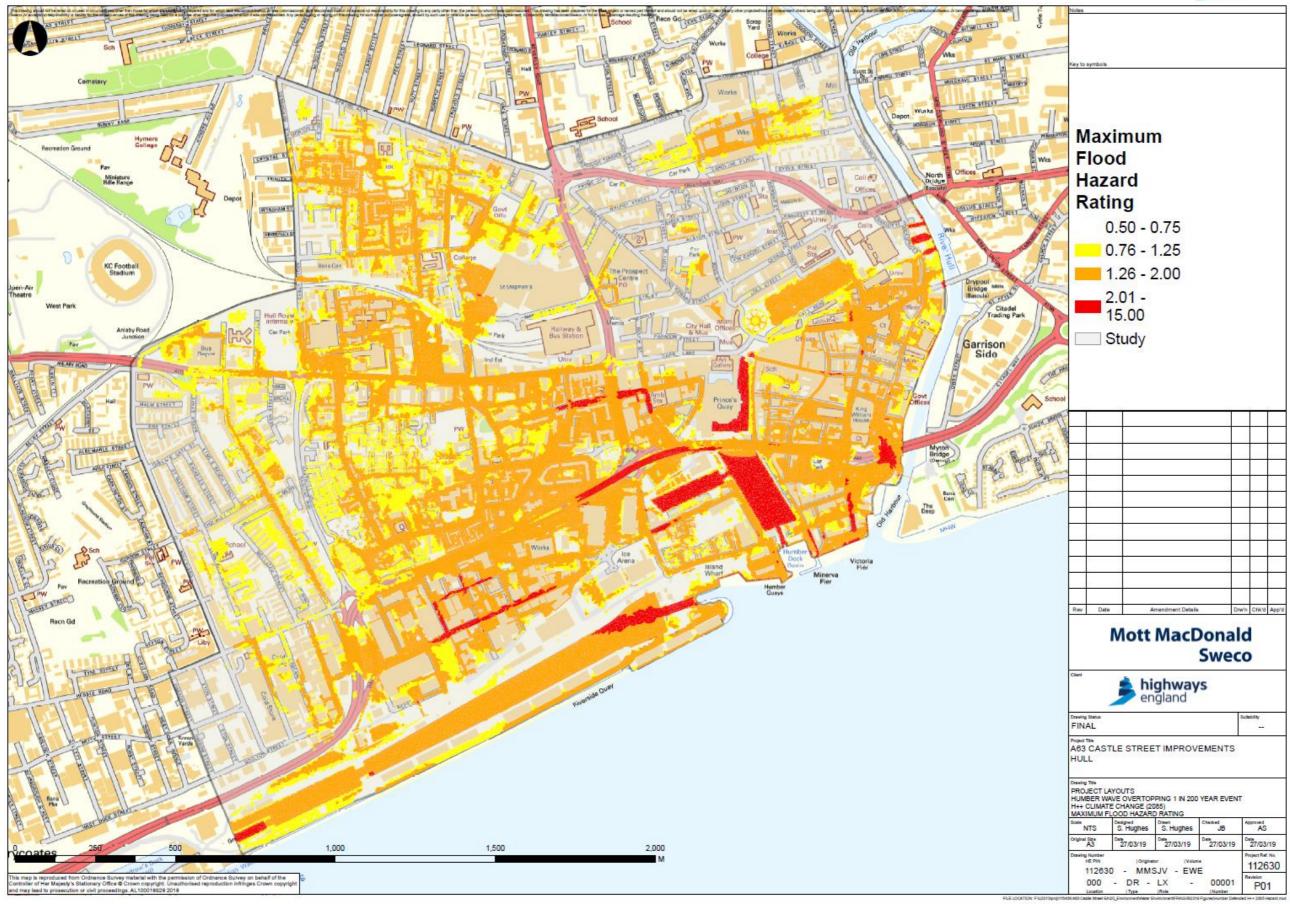


Figure A3: Plan of maximum modelled Flood Hazard Rating for the Scheme during a 1 in 200-year wave overtopping flood event from the Humber Estuary including H++ climate change allowance to 2085 for Scheme layout



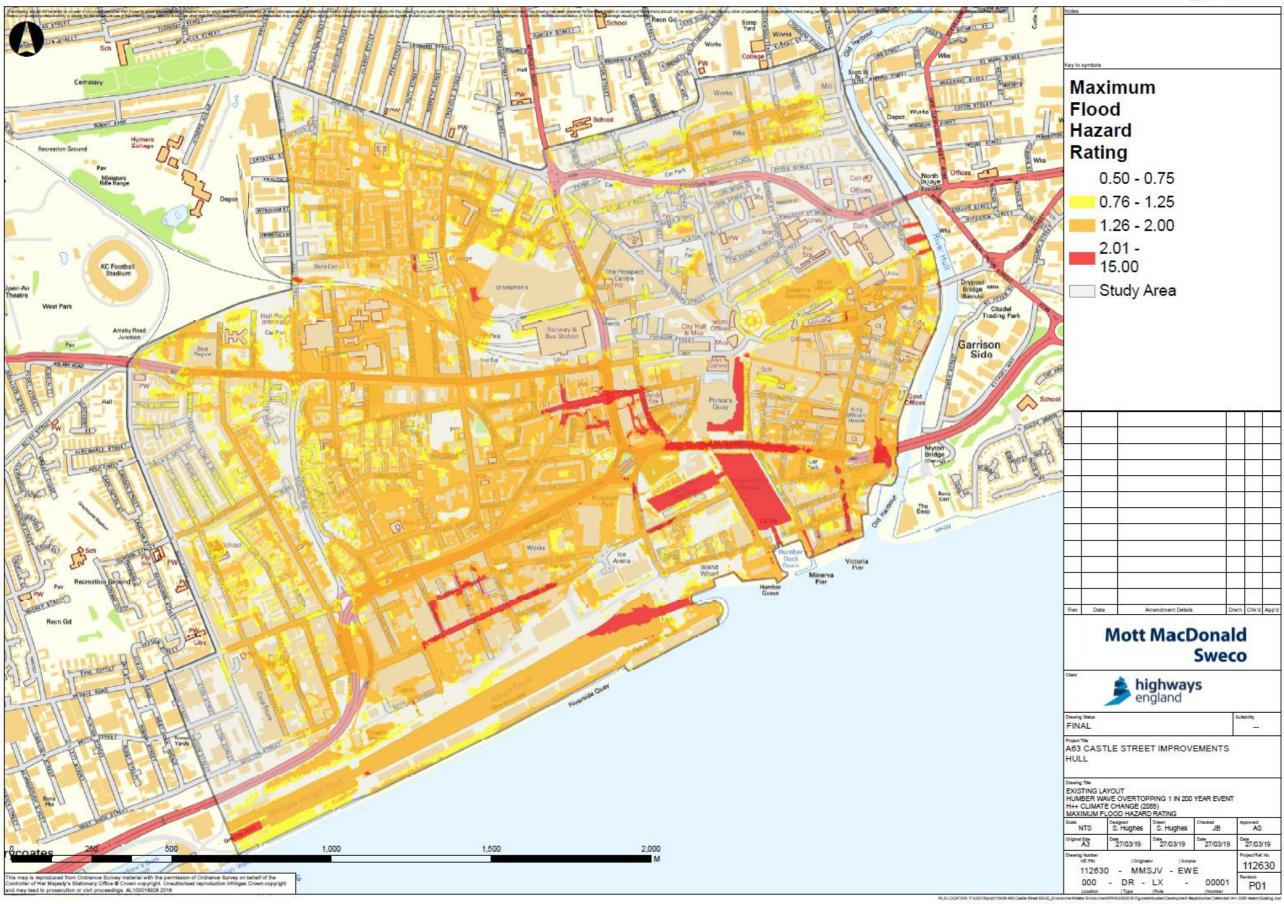


Figure A4: Plan of maximum modelled Flood Hazard Rating for the Scheme during a 1 in 200-year wave overtopping flood event from the Humber Estuary including H++ climate change allowance to 2085 for existing layout



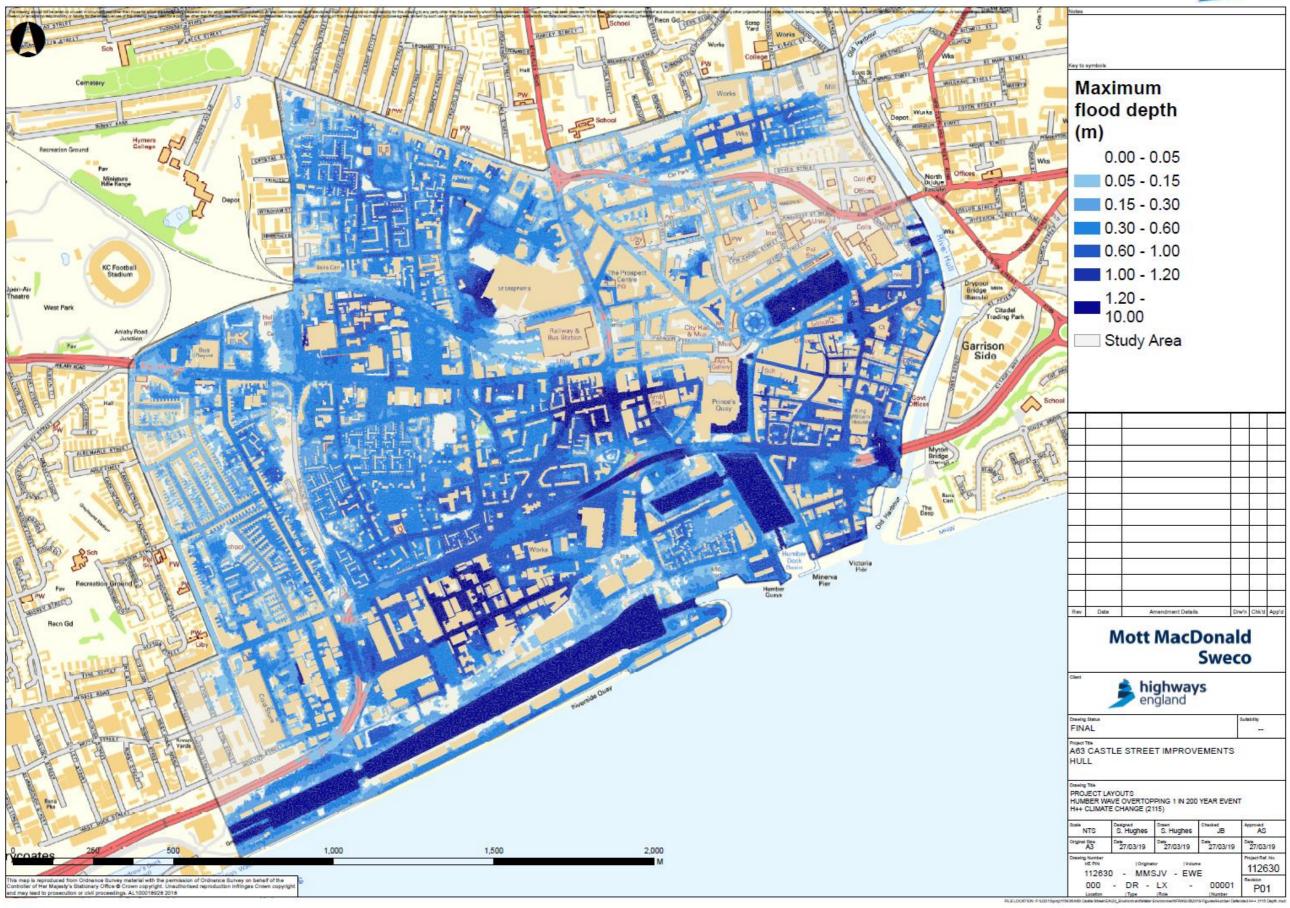


Figure A5: Plan of maximum modelled flood depth for the Scheme during a 1 in 200-year wave overtopping flood event from the Humber Estuary including H++ climate change allowance to 2115 for Scheme layout



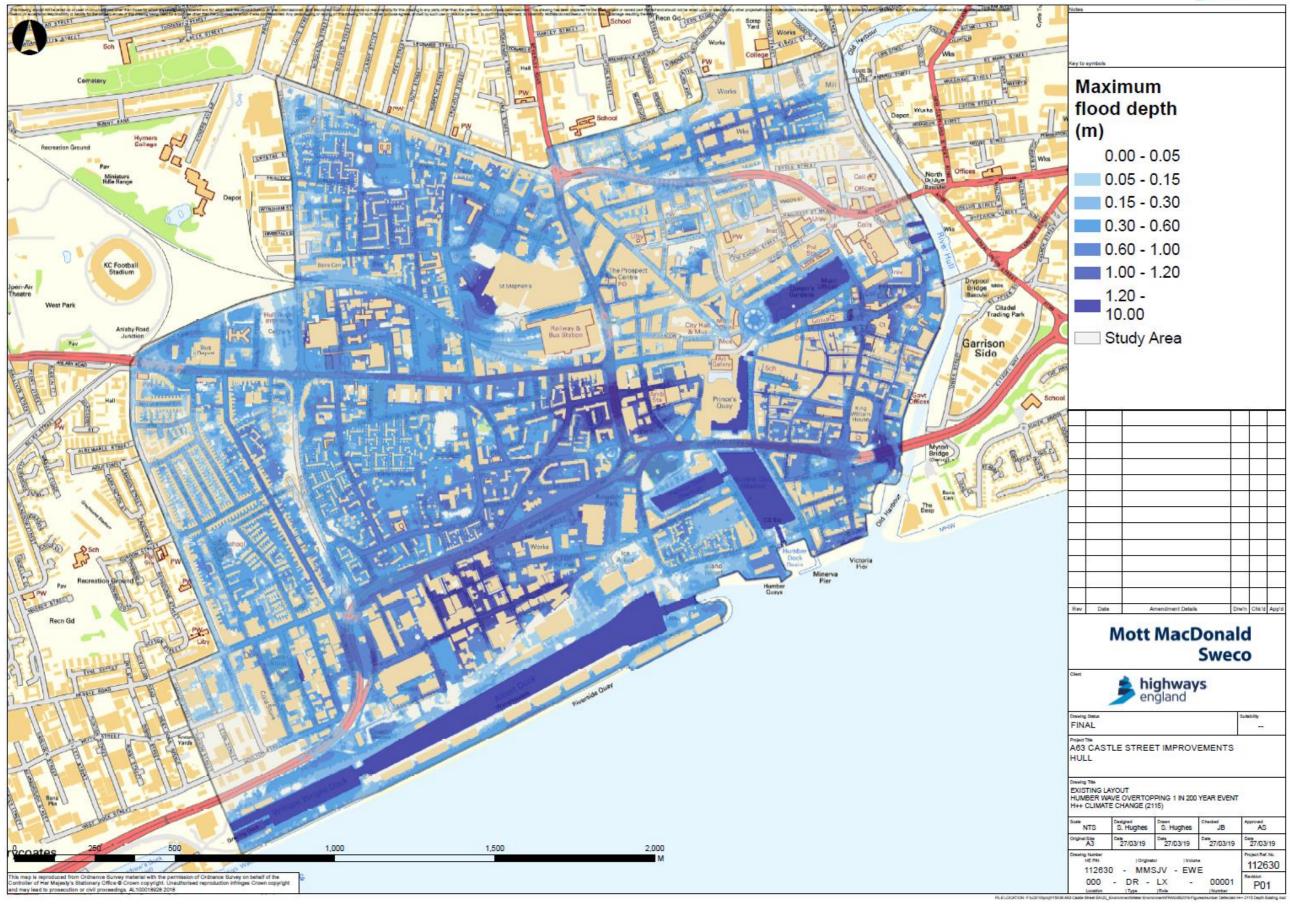


Figure A6: Plan of maximum modelled flood depth for the Scheme during a 1 in 200-year wave overtopping flood event from the Humber Estuary including H++ climate change allowance to 2115 for existing layout



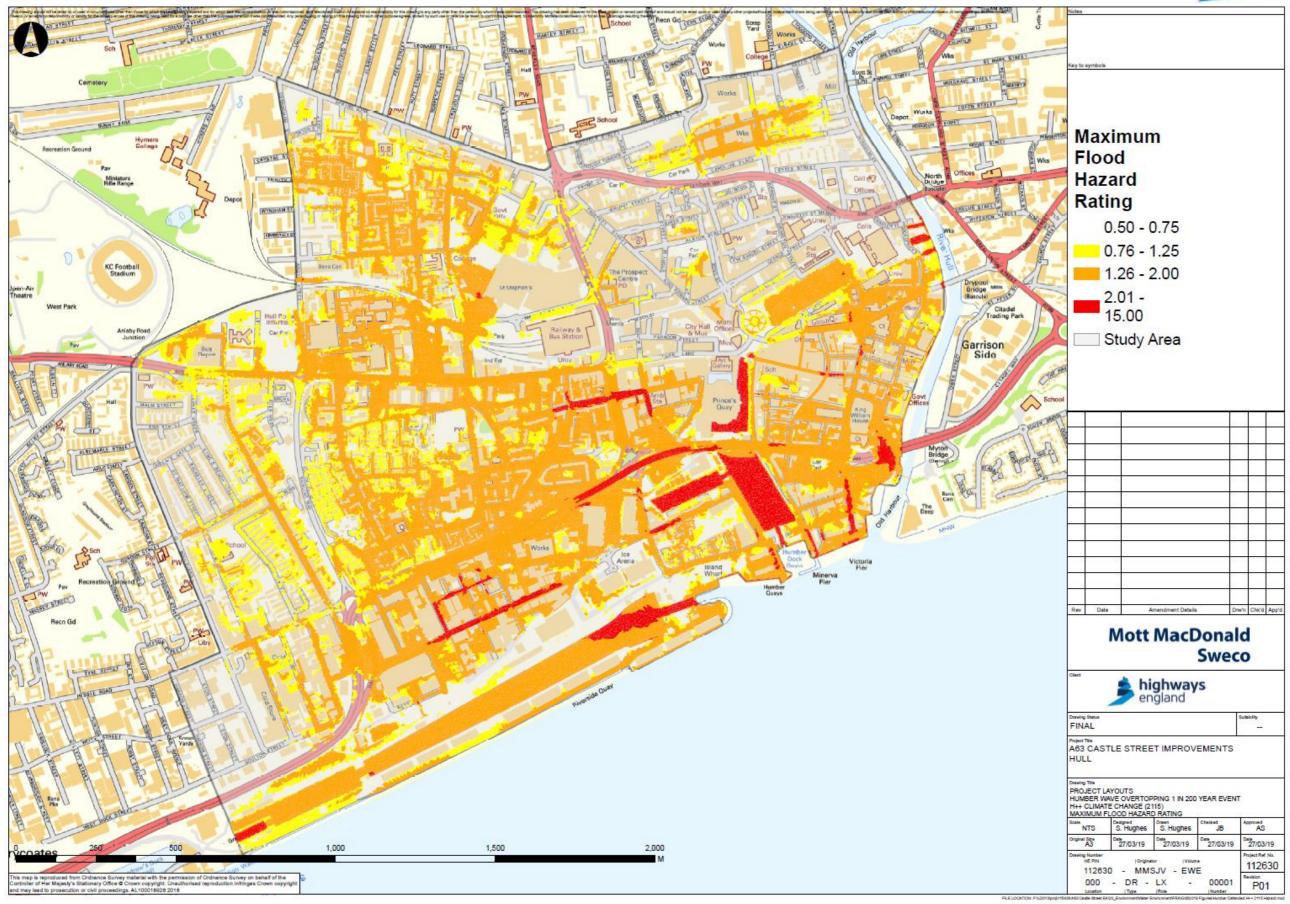


Figure A7: Plan of maximum modelled Flood Hazard Rating for the Scheme during a 1 in 200-year wave overtopping flood event from the Humber Estuary including H++ climate change allowance to 2115 for Scheme layout



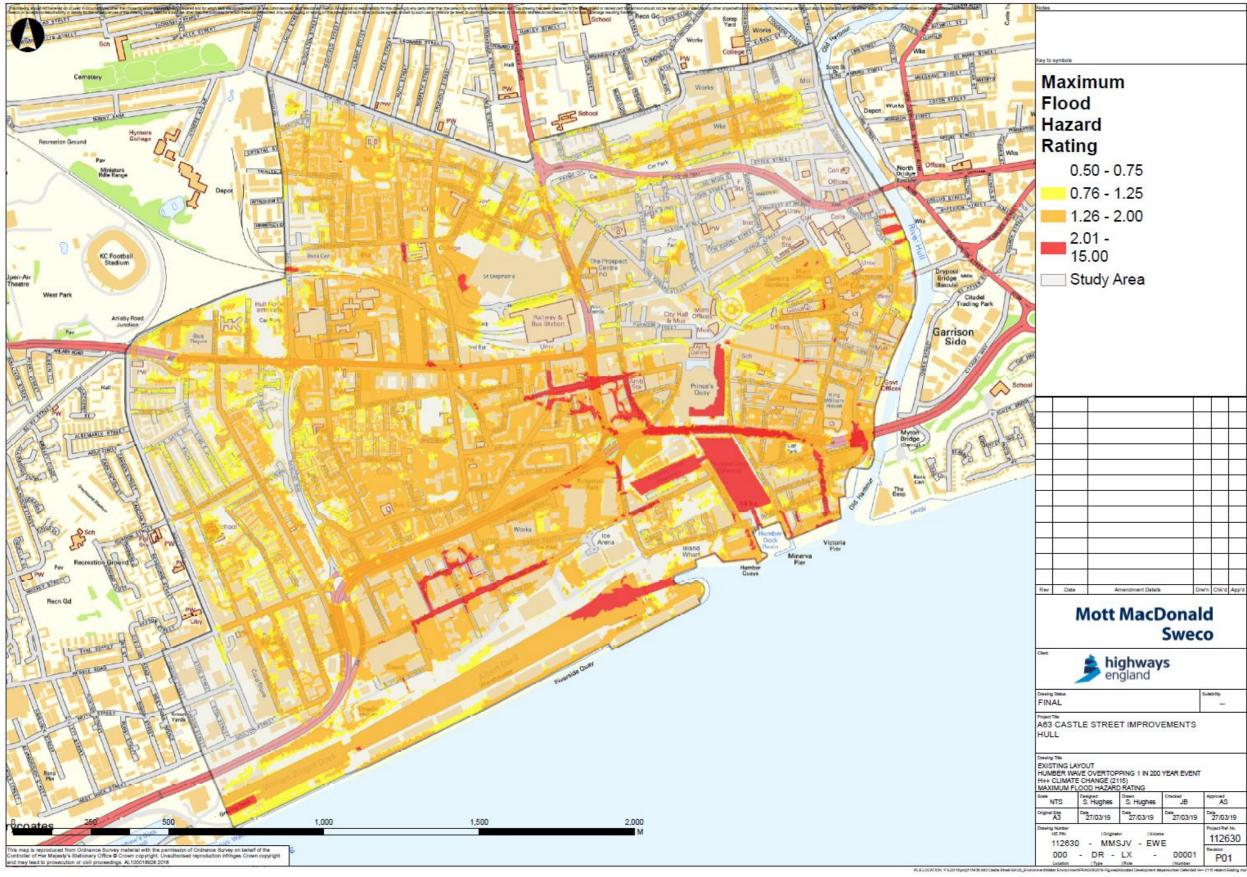
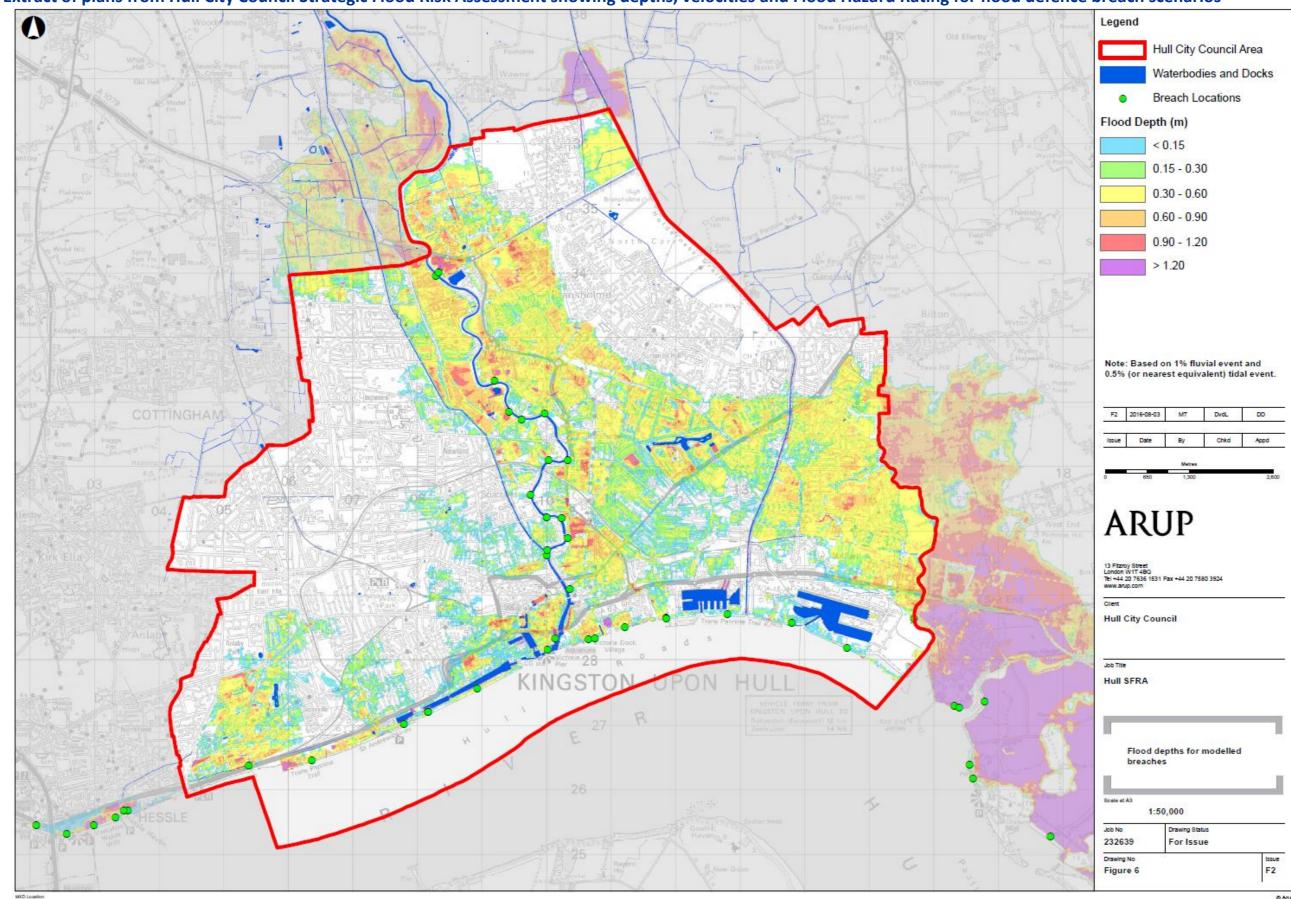


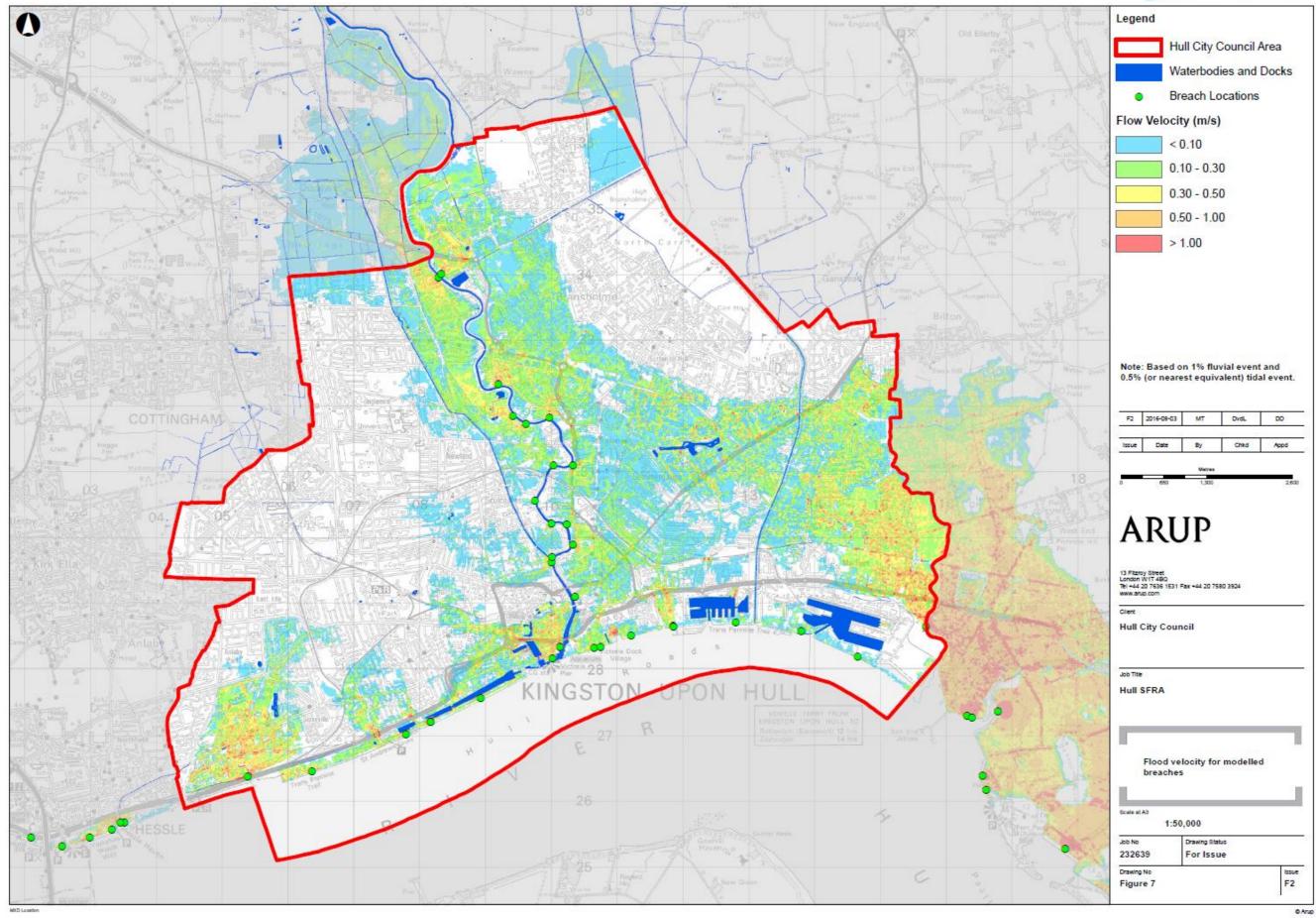
Figure A8: Plan of maximum modelled Flood Hazard Rating for the Scheme during a 1 in 200-year wave overtopping flood event from the Humber Estuary including H++ climate change allowance to 2115 for existing layout



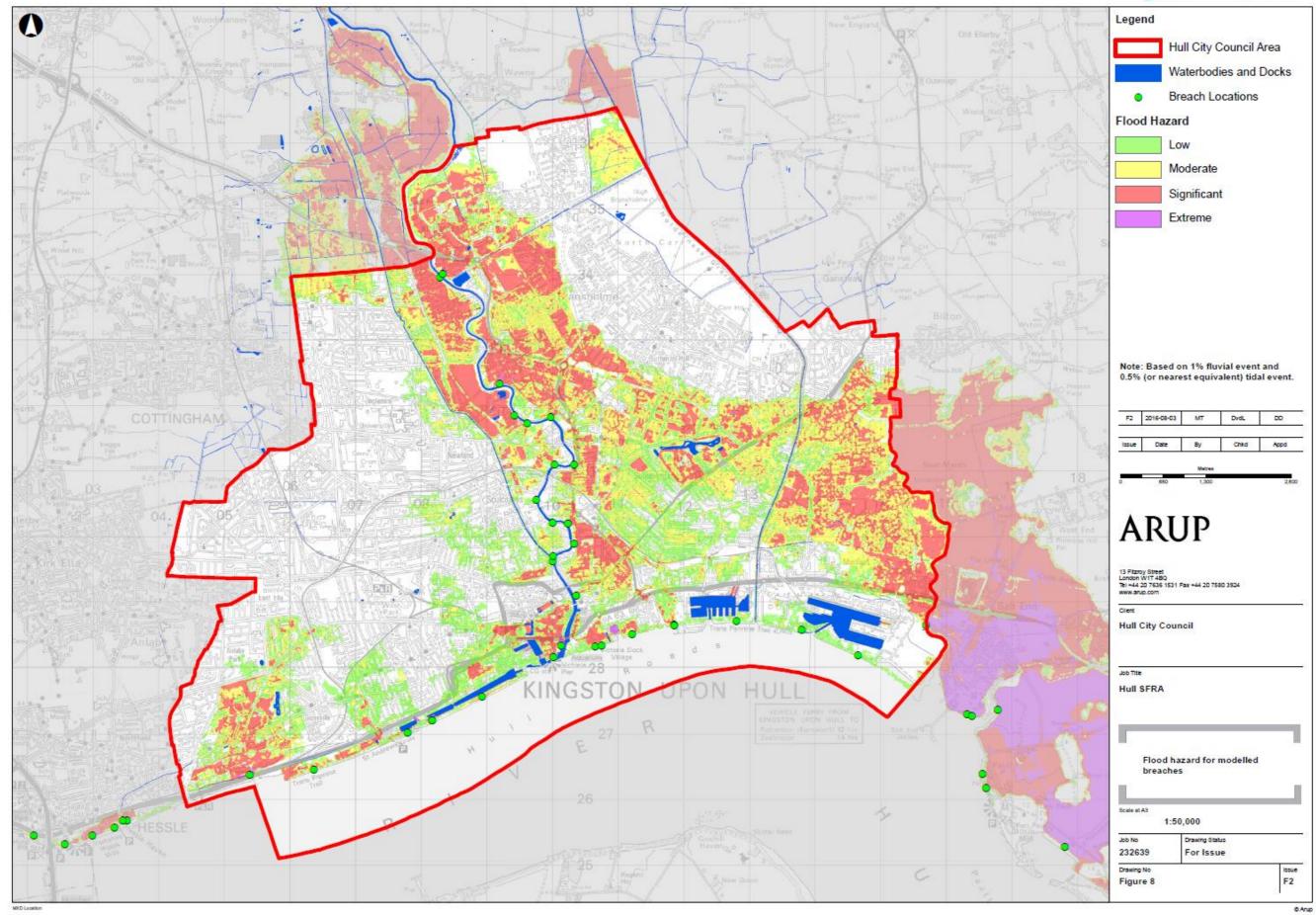
Appendix B: Extract of plans from Hull City Council Strategic Flood Risk Assessment showing depths, velocities and Flood Hazard Rating for flood defence breach scenarios













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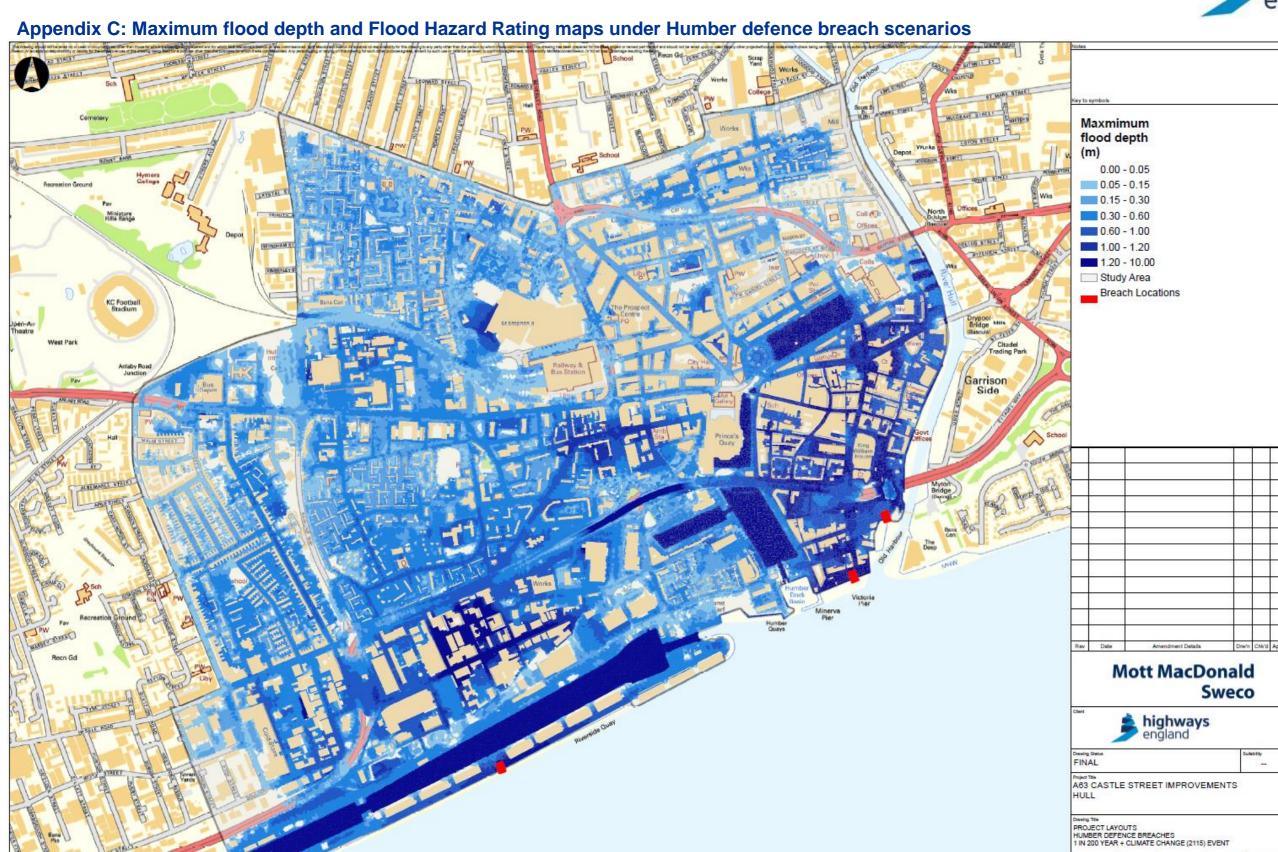


Figure C1: Plan of maximum modelled flood depth for the Scheme during a 1 in 200-year plus climate change Humber defence breach scenario for Scheme layout

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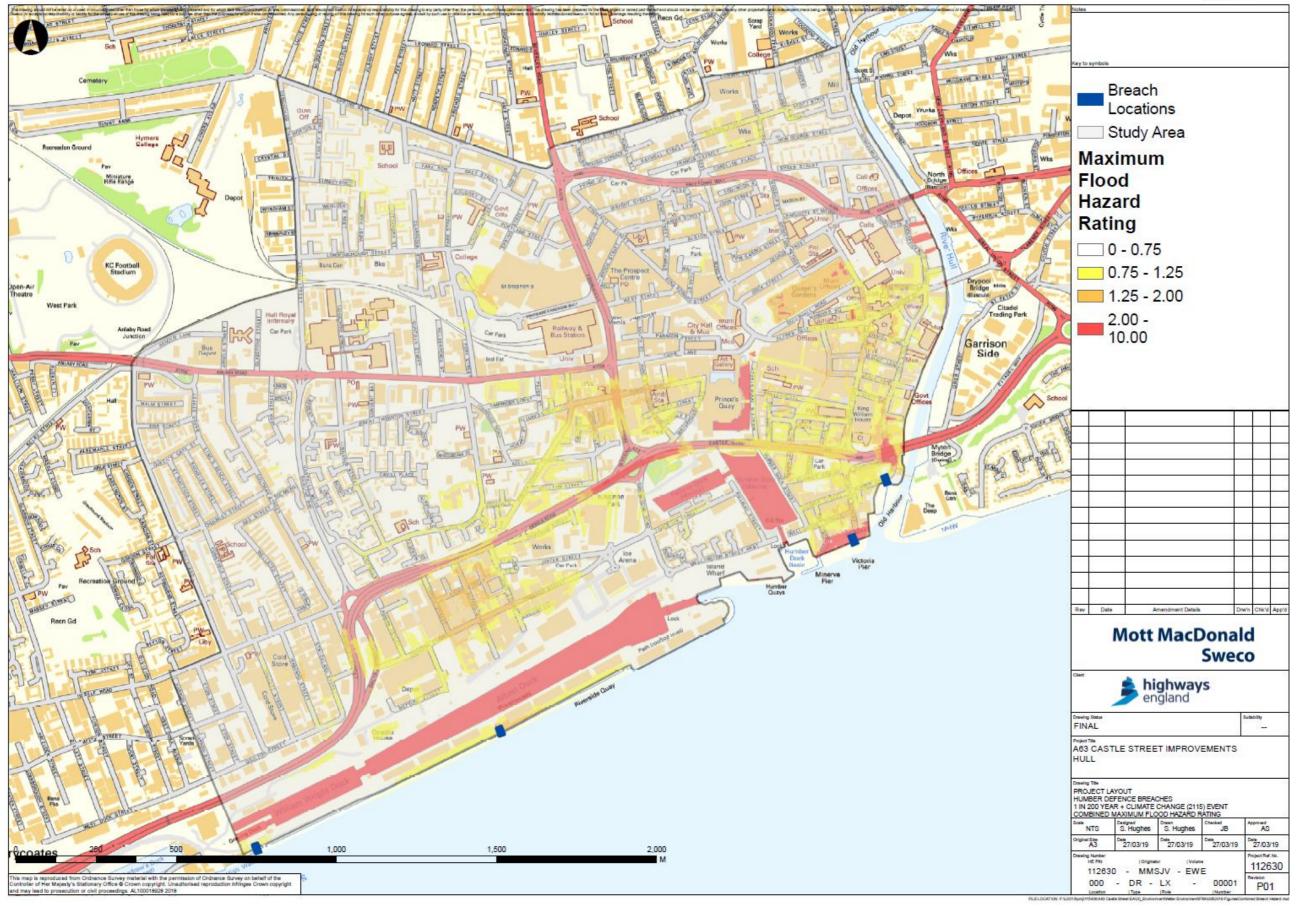


Figure C2: Plan of maximum modelled Flood Hazard Rating for the Scheme during a 1 in 200-year plus climate change Humber defence breach scenario for Scheme layout



Appendix D: Plan of Hull City Council allocated development sites for residential and employment use

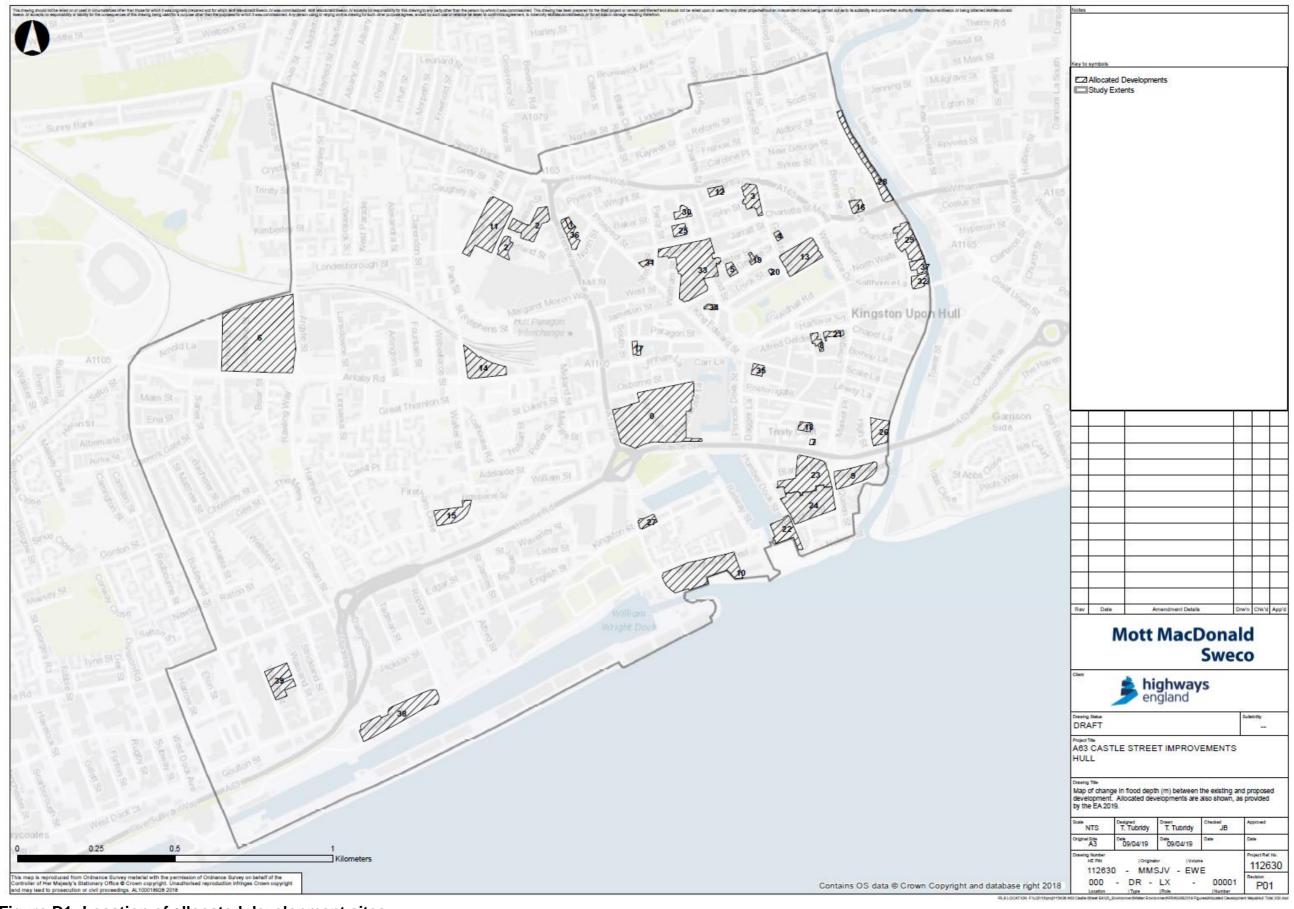


Figure D1: Location of allocated development sites



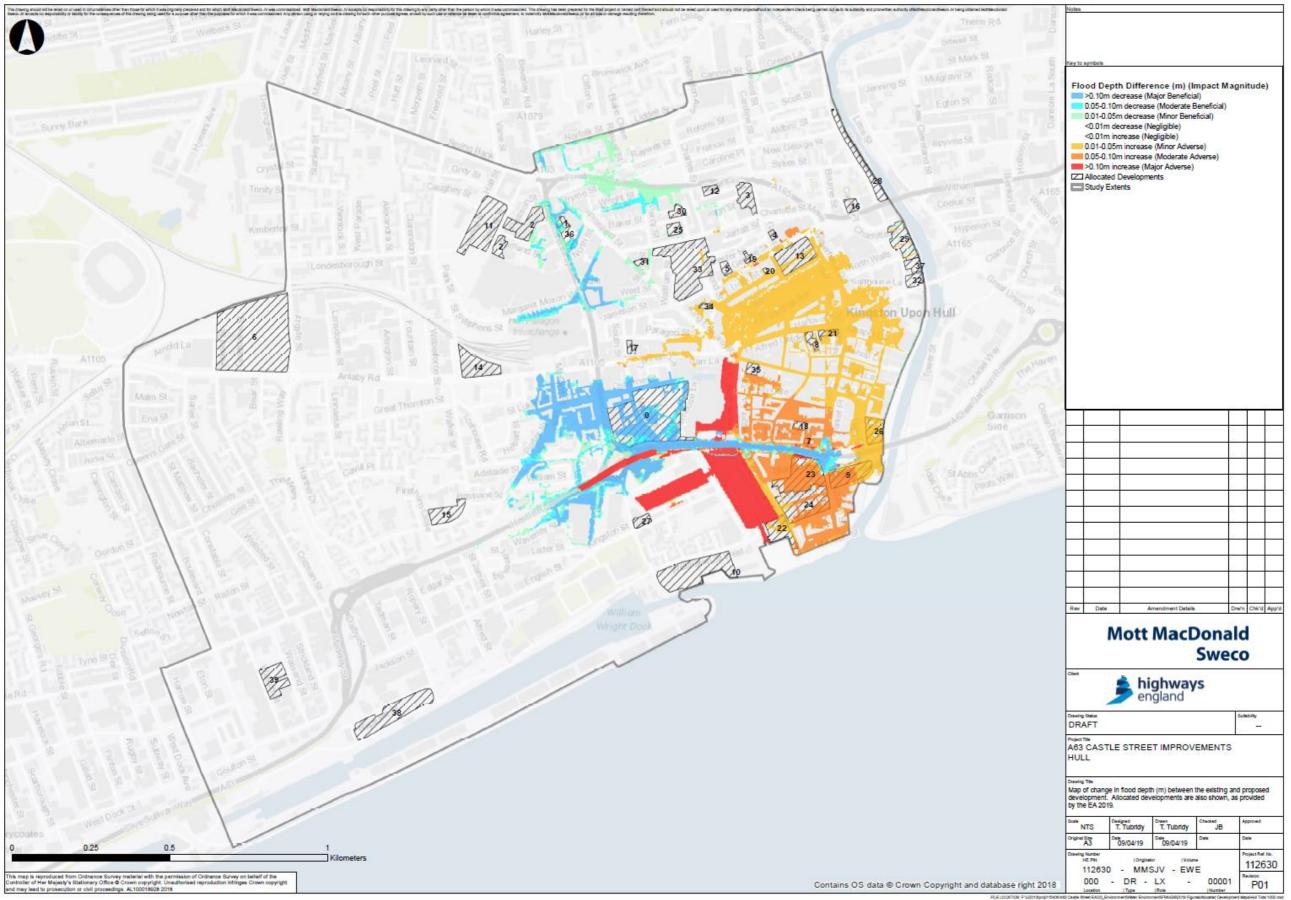


Figure D2: Change in maximum flood depths at allocated development sites during a 1 in 1000-year tidal flood event from the River Hull (with Hull Tidal Surge Barrier open)



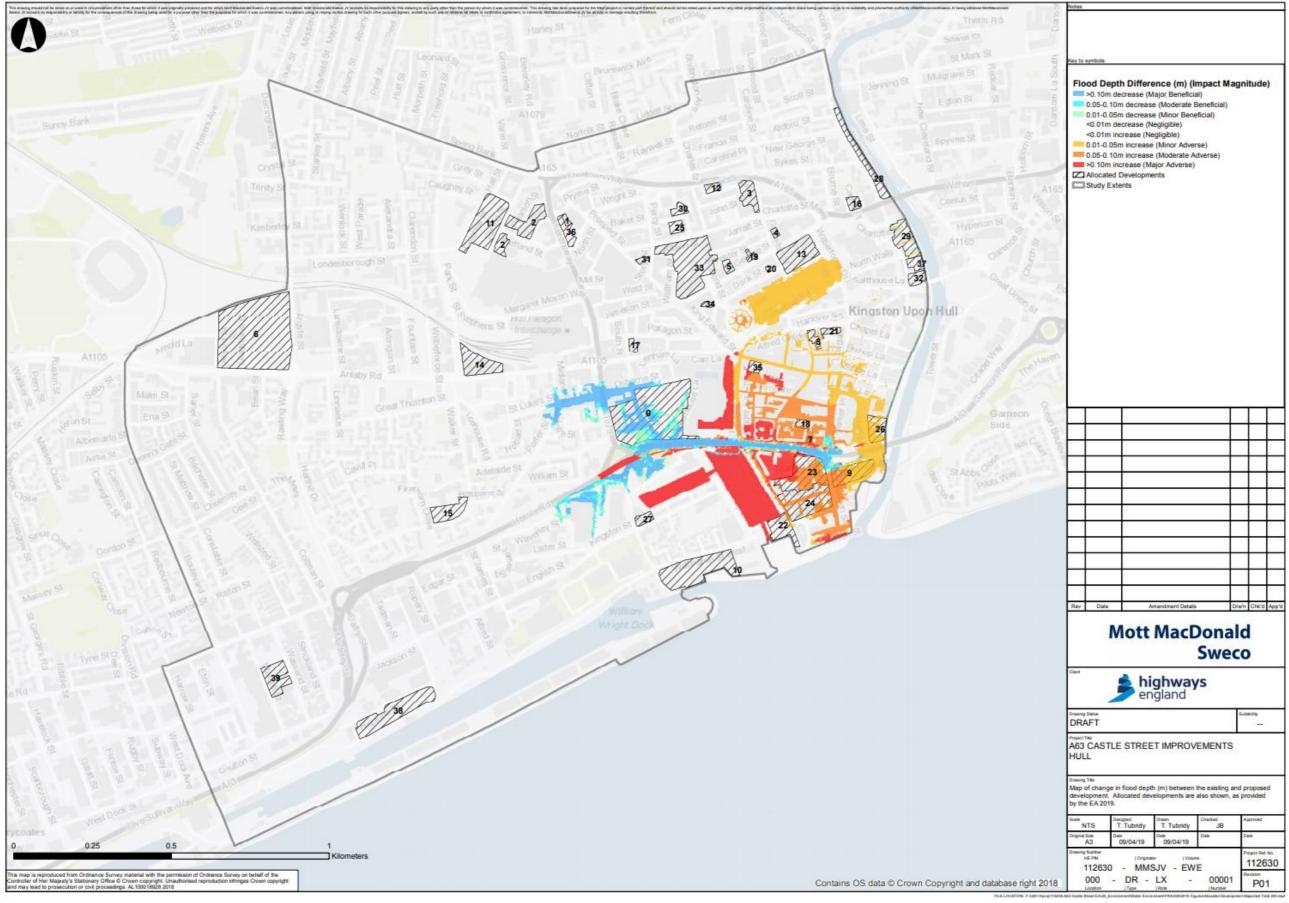


Figure D3: Change in maximum flood depths at allocated development sites during a 1 in 200-year tidal flood event from the River Hull (with Hull Tidal Surge Barrier open)



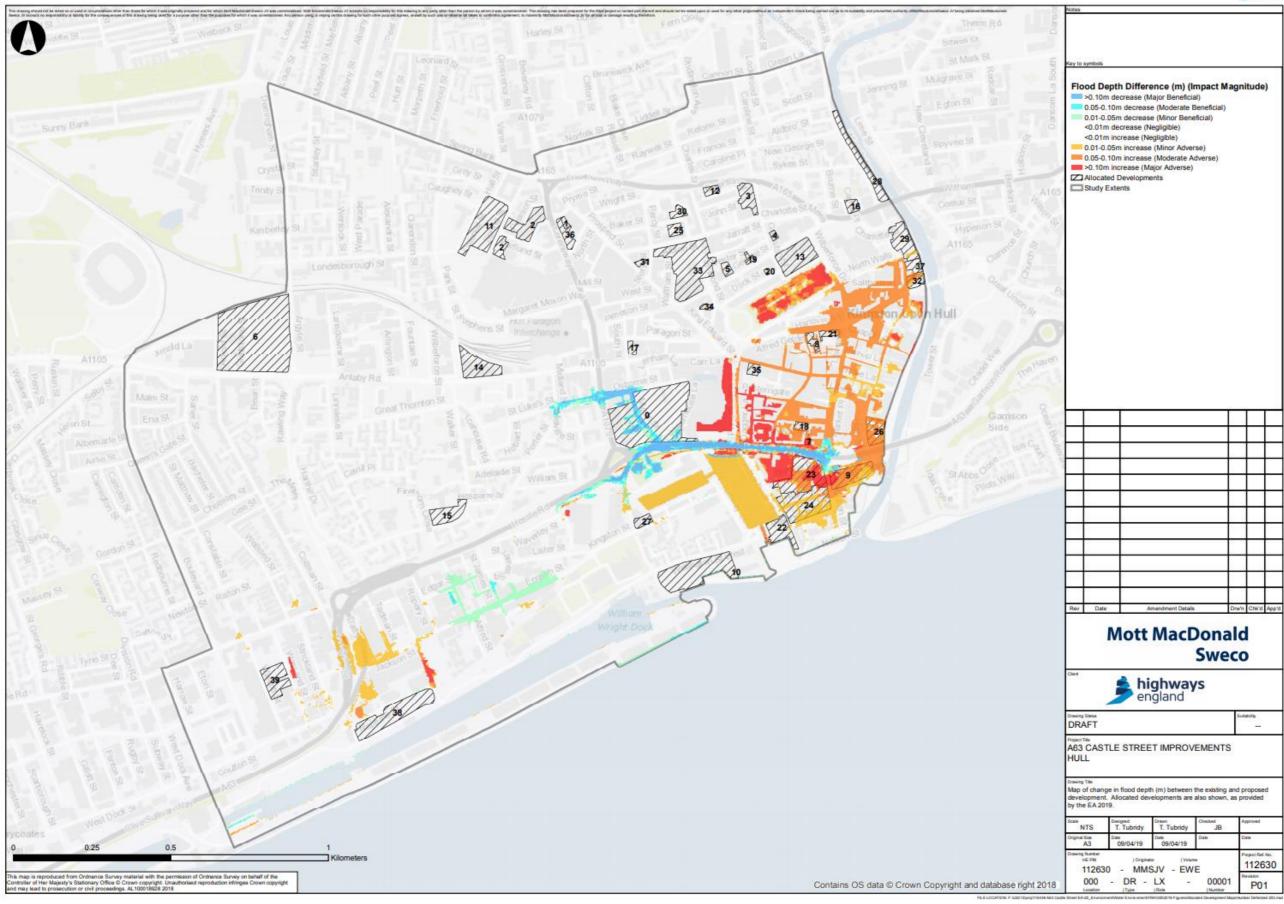


Figure D4: Change in maximum flood depths at allocated development sites during a 1 in 200-year wave overtopping event from the Humber Estuary



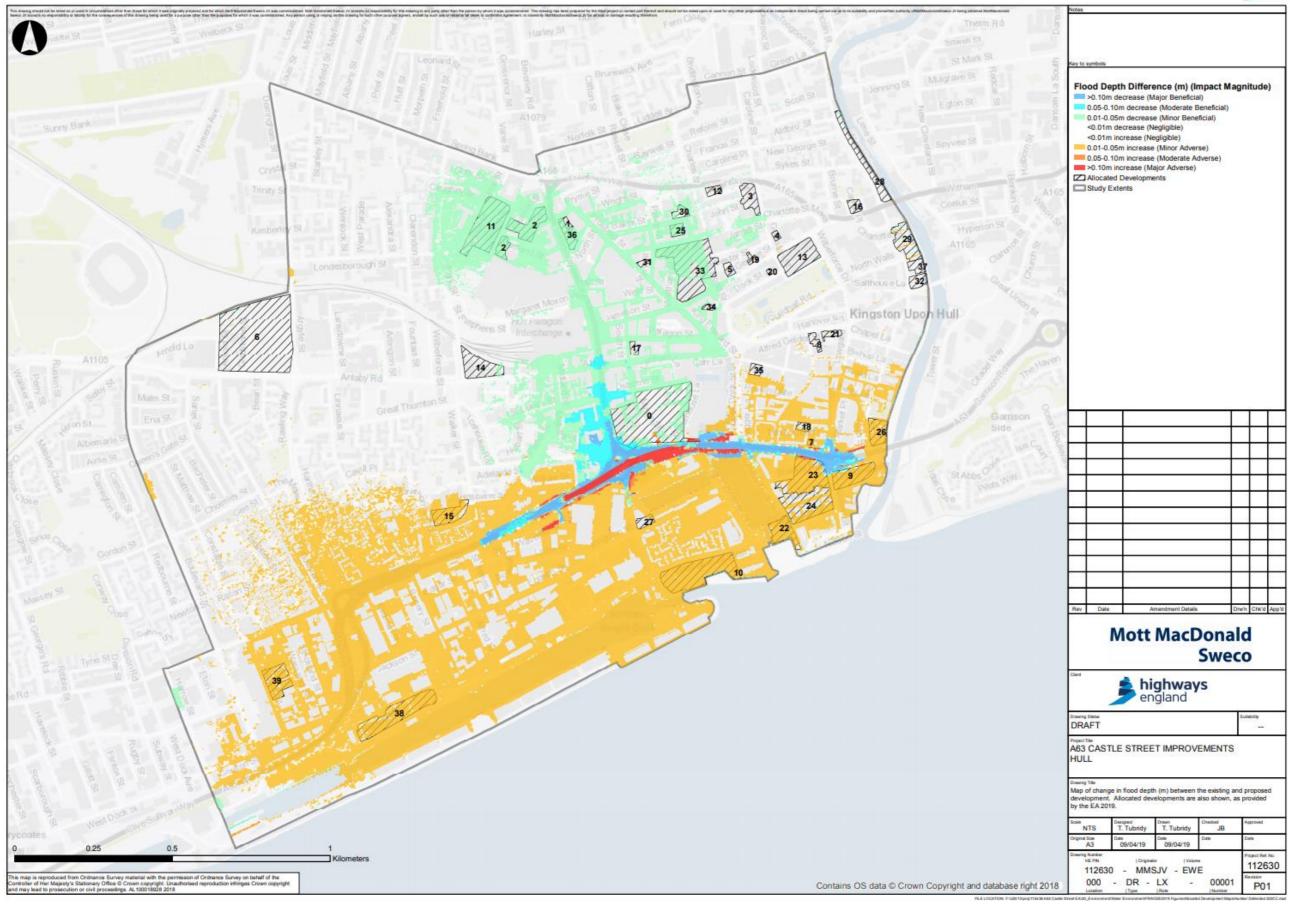


Figure D5: Change in maximum flood depths at allocated development sites during a 1 in 200-year plus Climate Change wave overtopping event from the Humber Estuary



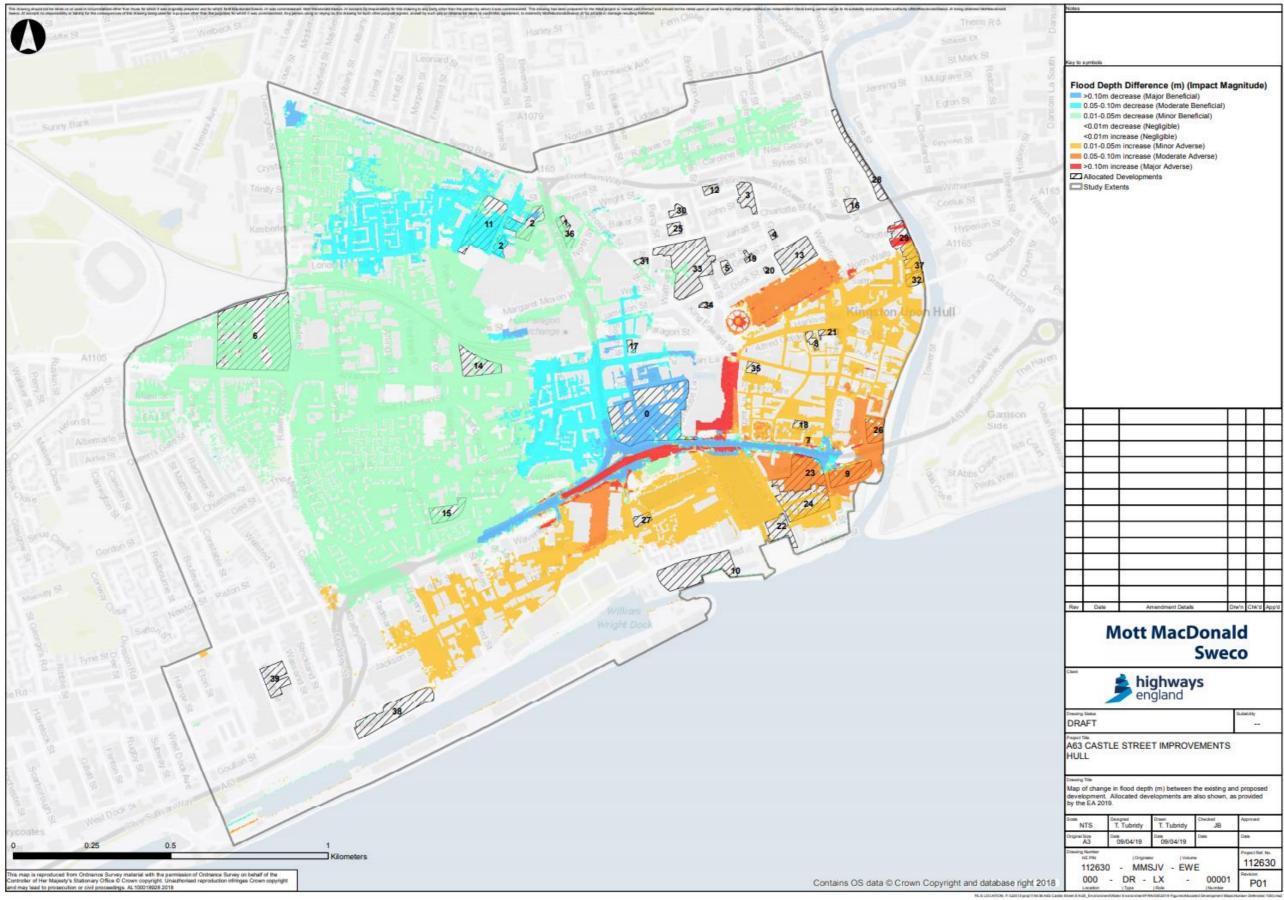


Figure D6: Change in maximum flood depths at allocated development sites during a 1 in 1000-year wave overtopping event from the Humber Estuary



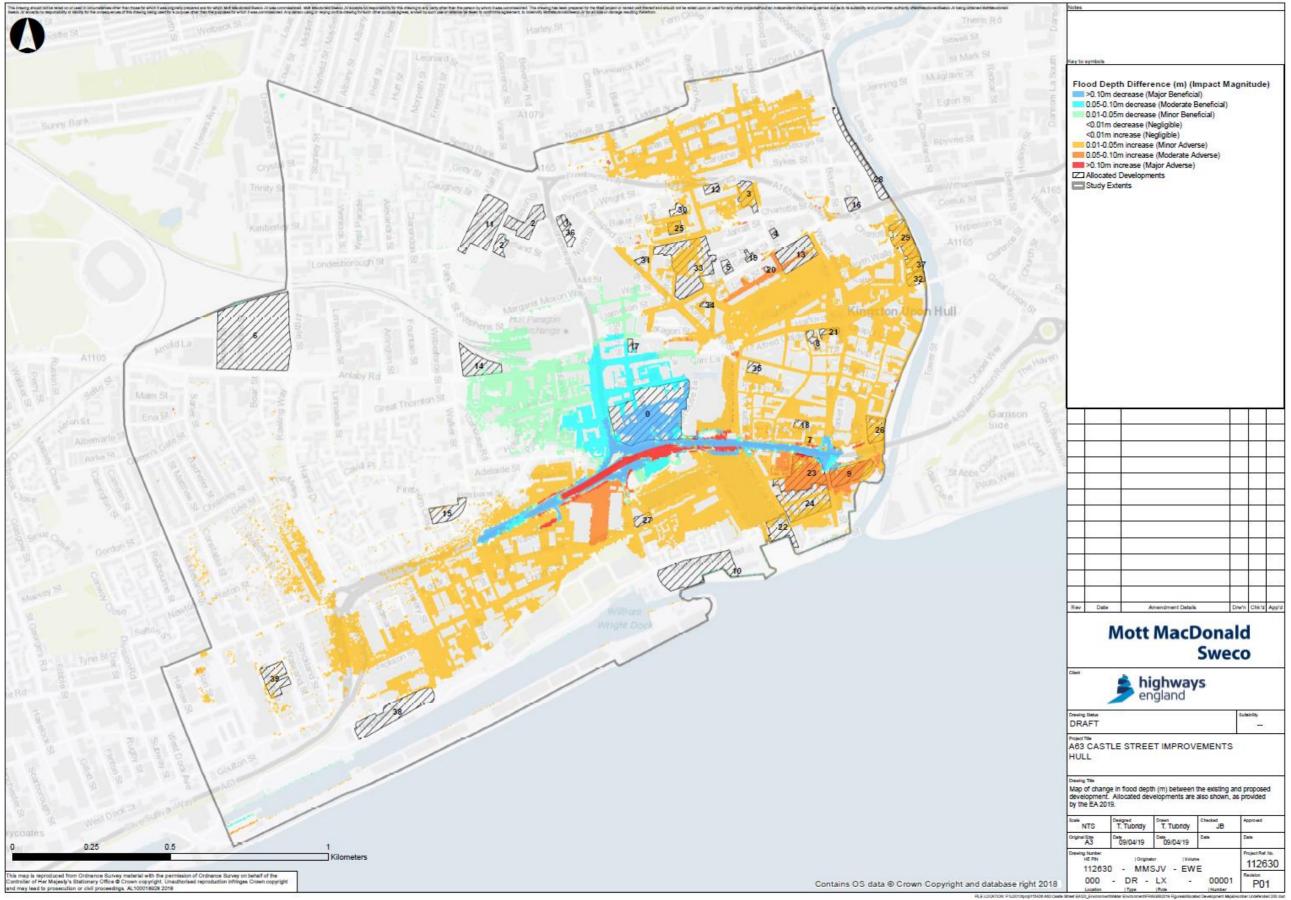


Figure D7: Change in maximum flood depths at allocated development sites during a 1 in 200-year (undefended) tidal flooding event from the Humber Estuary



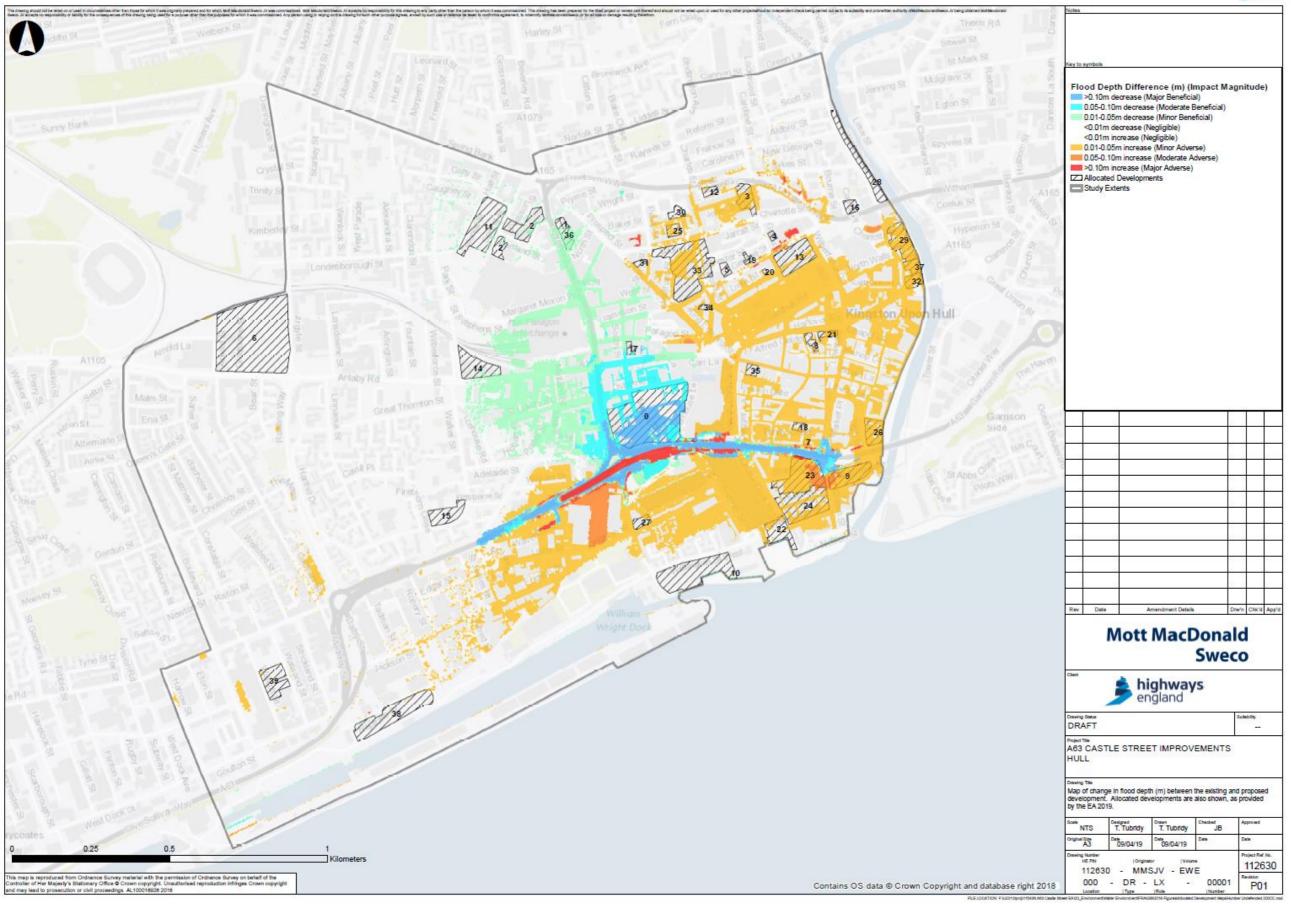


Figure D8: Change in maximum flood depths at allocated development sites during a 1 in 200-year plus Climate Change (undefended) tidal flooding event from the Humber Estuary



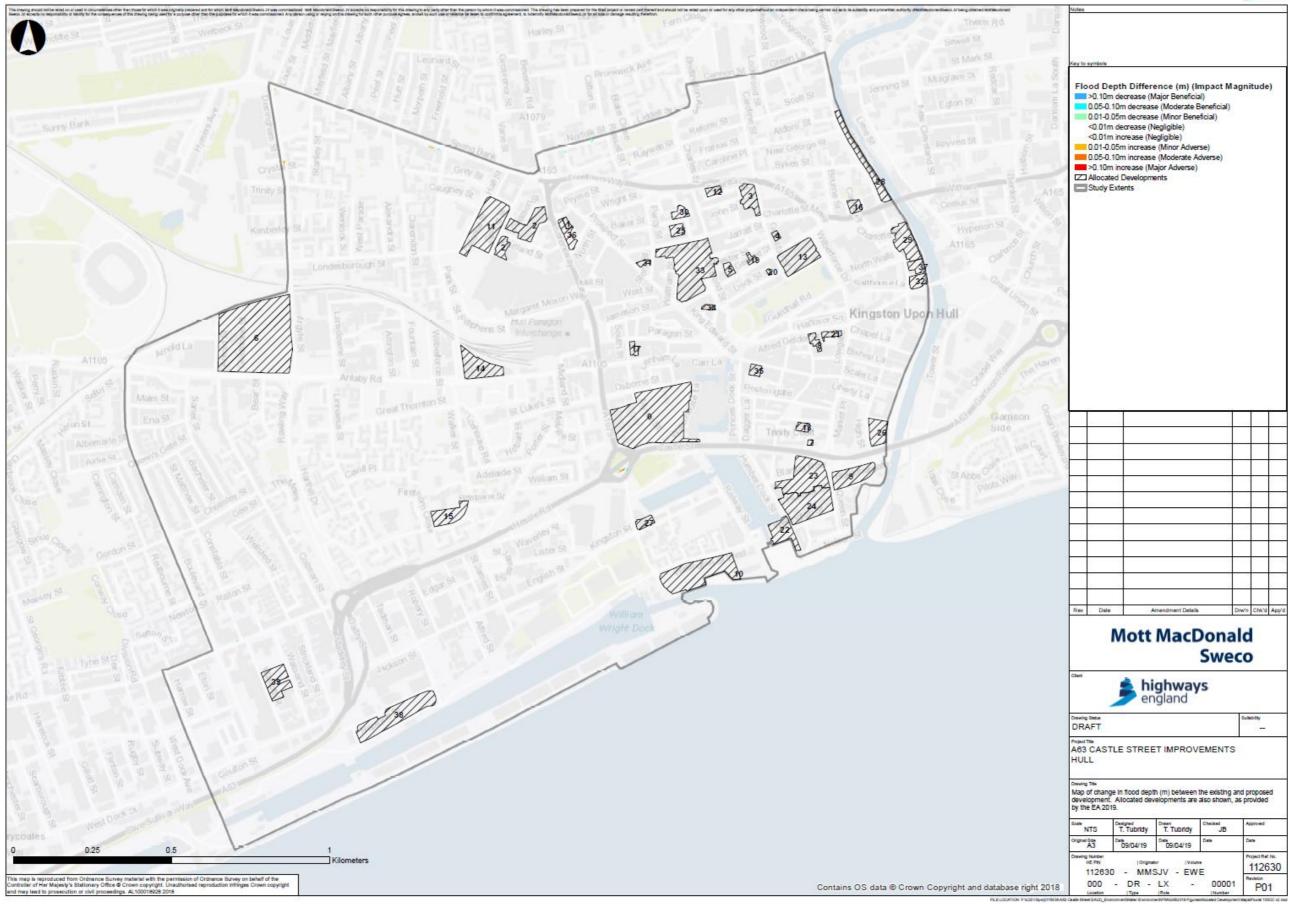


Figure D9: Change in maximum flood depths at allocated development sites during a 1 in 100-year plus 30% Climate Change pluvial flooding event



## Appendix E: Plans showing change in Flood Hazard Rating along strategic diversion routes

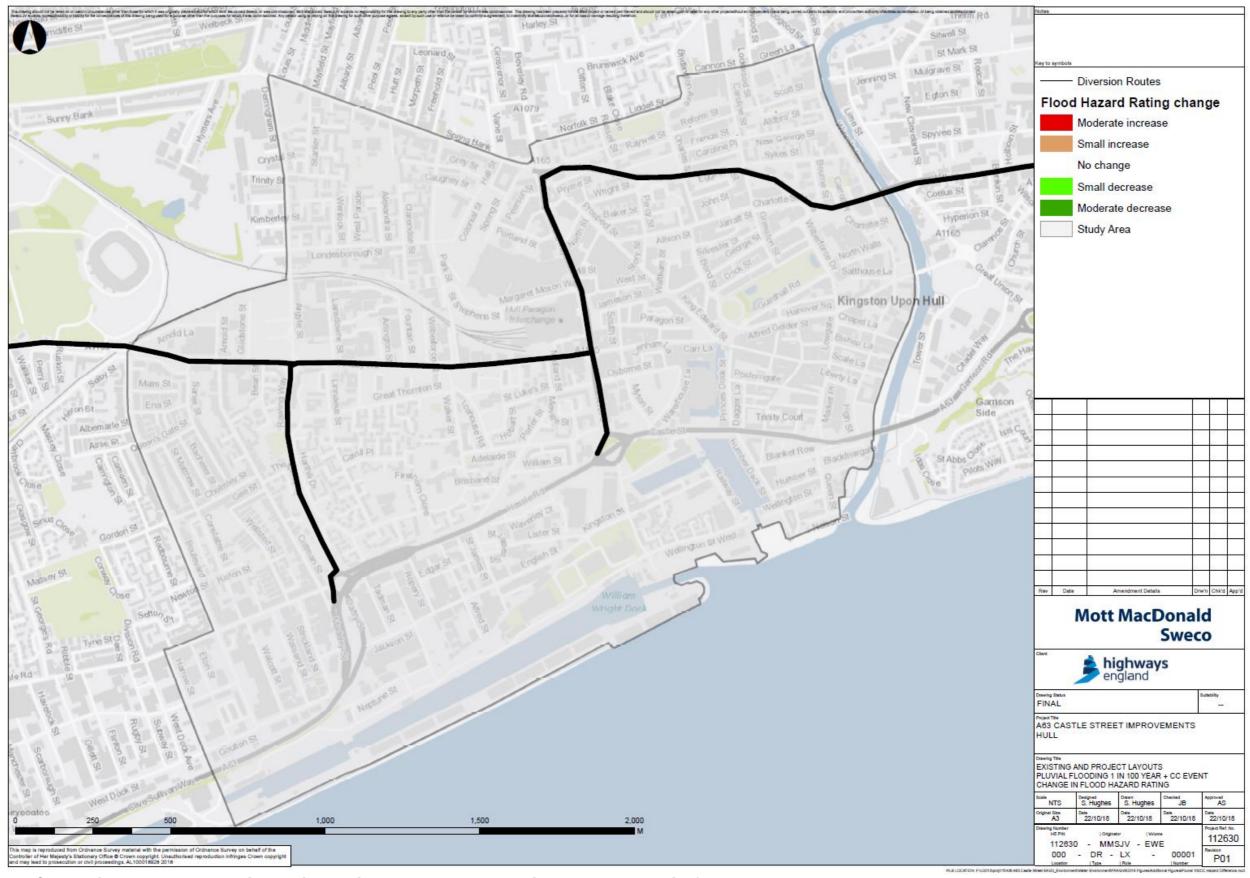


Figure E1: Change in Flood Hazard Rating during a 1 in 100-year plus 30% climate change pluvial flood event



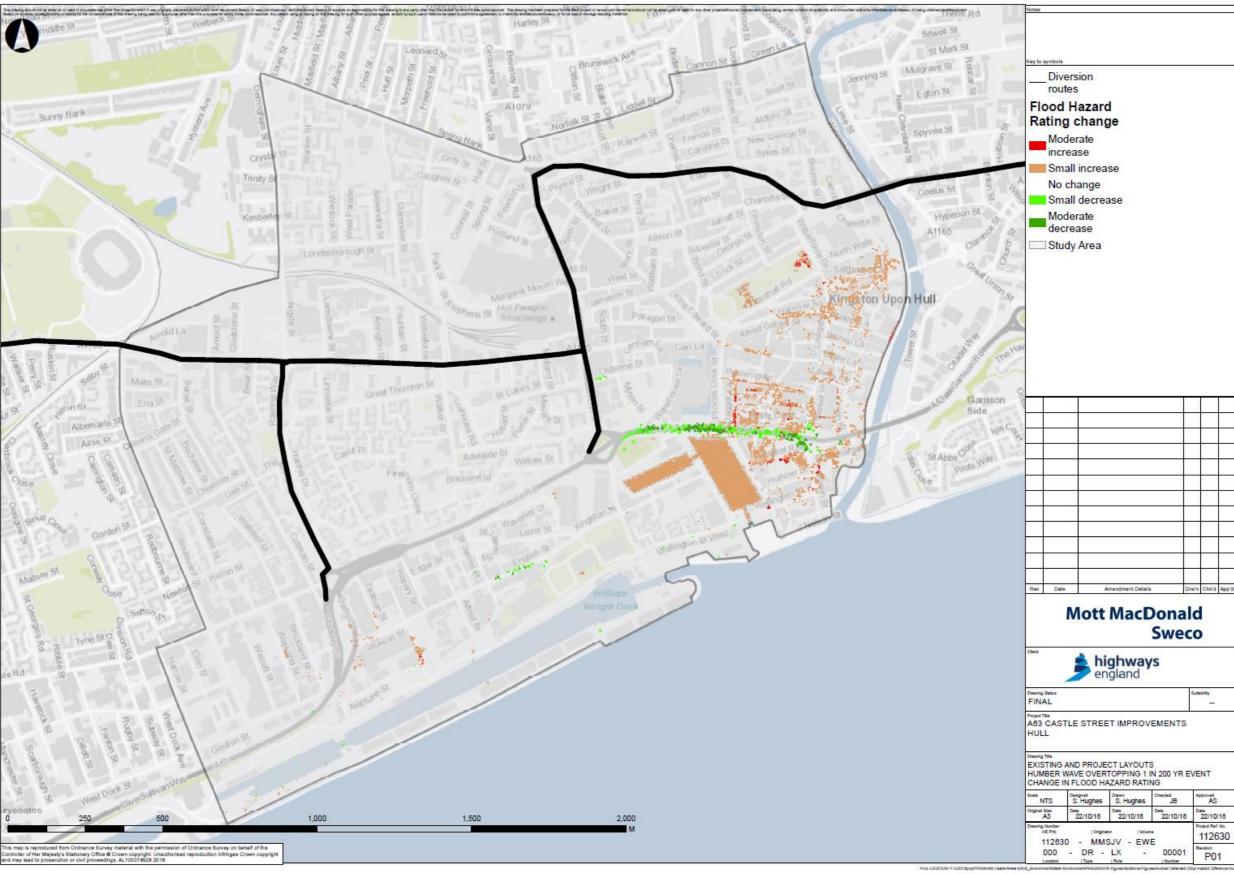


Figure E2: Change in Flood Hazard Rating during a 1 in 200-year defended Humber Estuary wave overtopping flood event



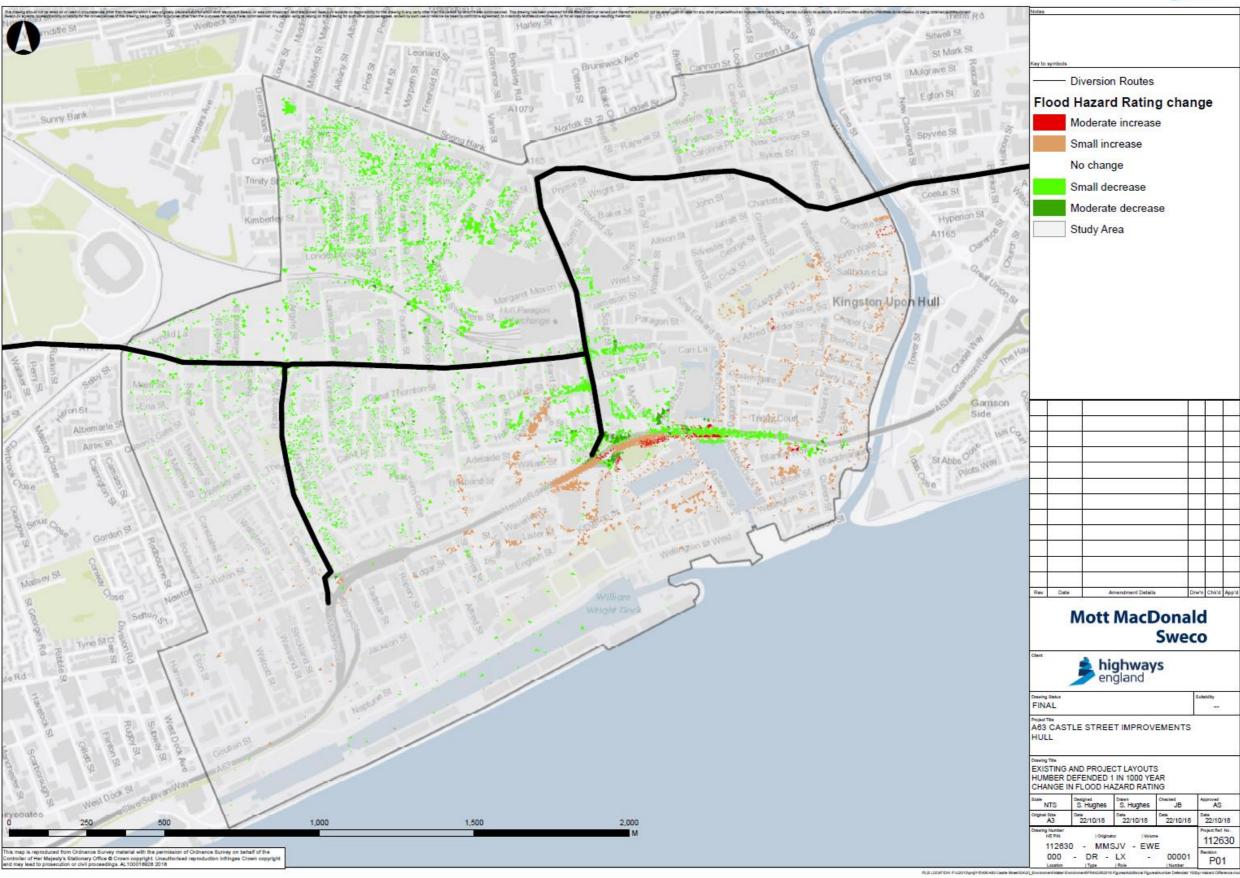


Figure E3: Change in Flood Hazard Rating during a 1 in 1000-year defended Humber Estuary wave overtopping flood event



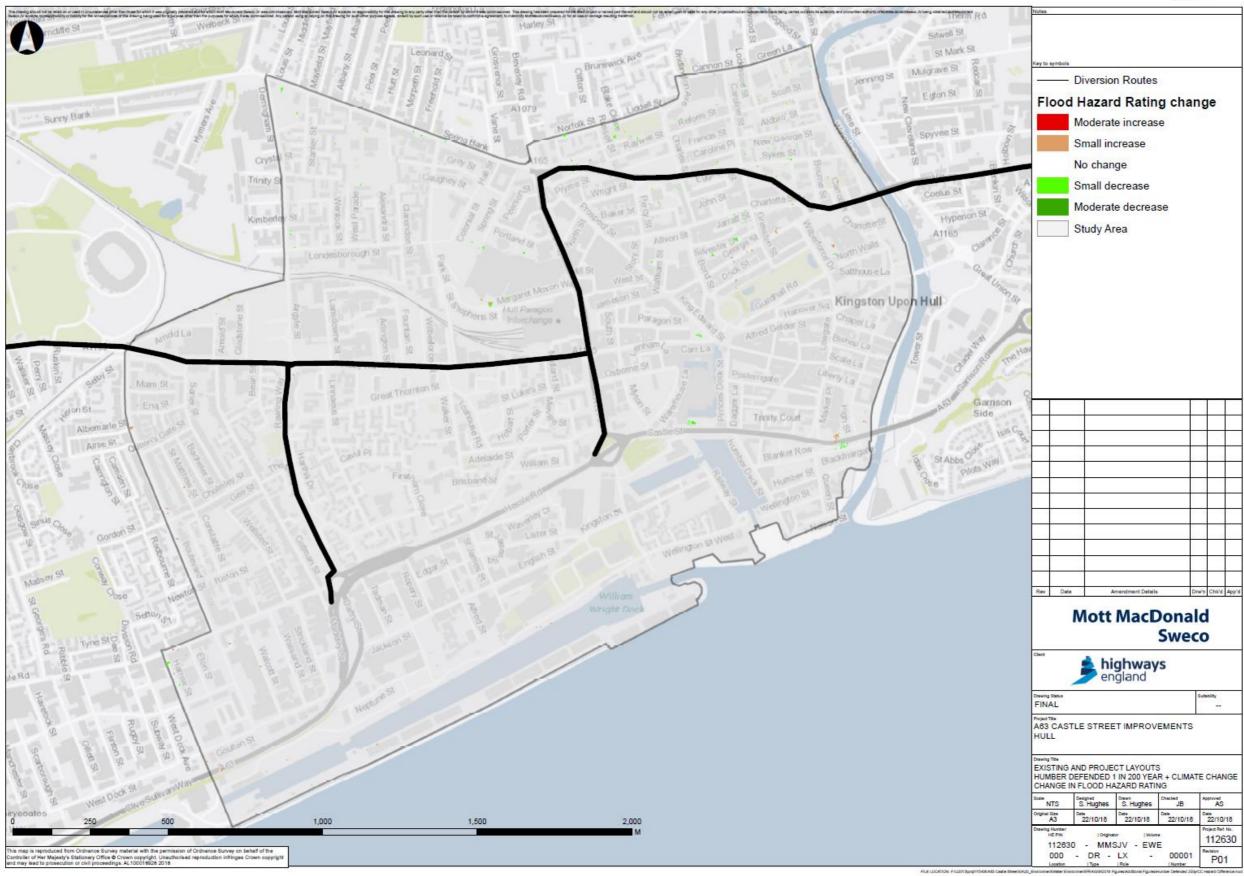


Figure E4: Change in Flood Hazard Rating during a 1 in 200-year plus climate change defended Humber Estuary wave overtopping flood event



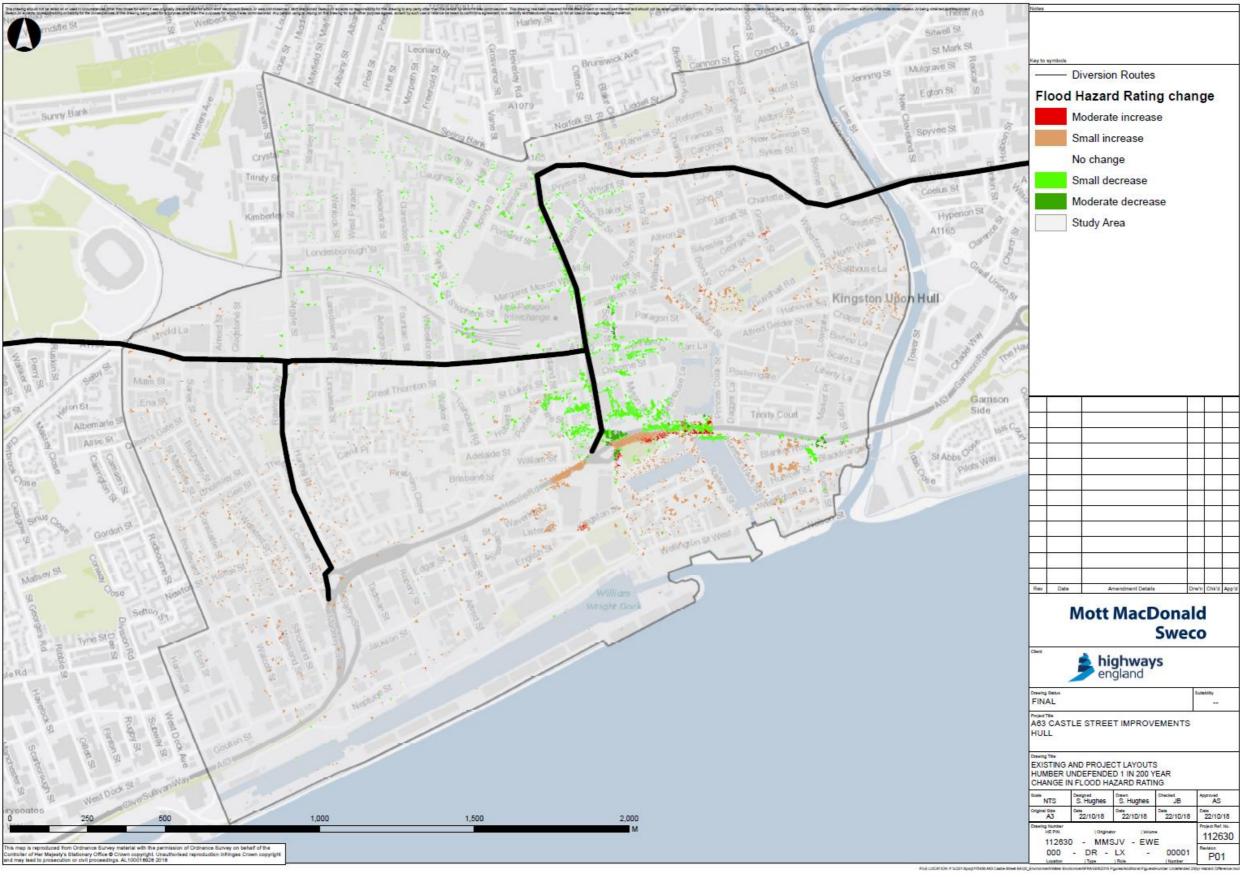


Figure E5: Change in Flood Hazard Rating during a 1 in 200-year undefended Humber Estuary tidal flood event



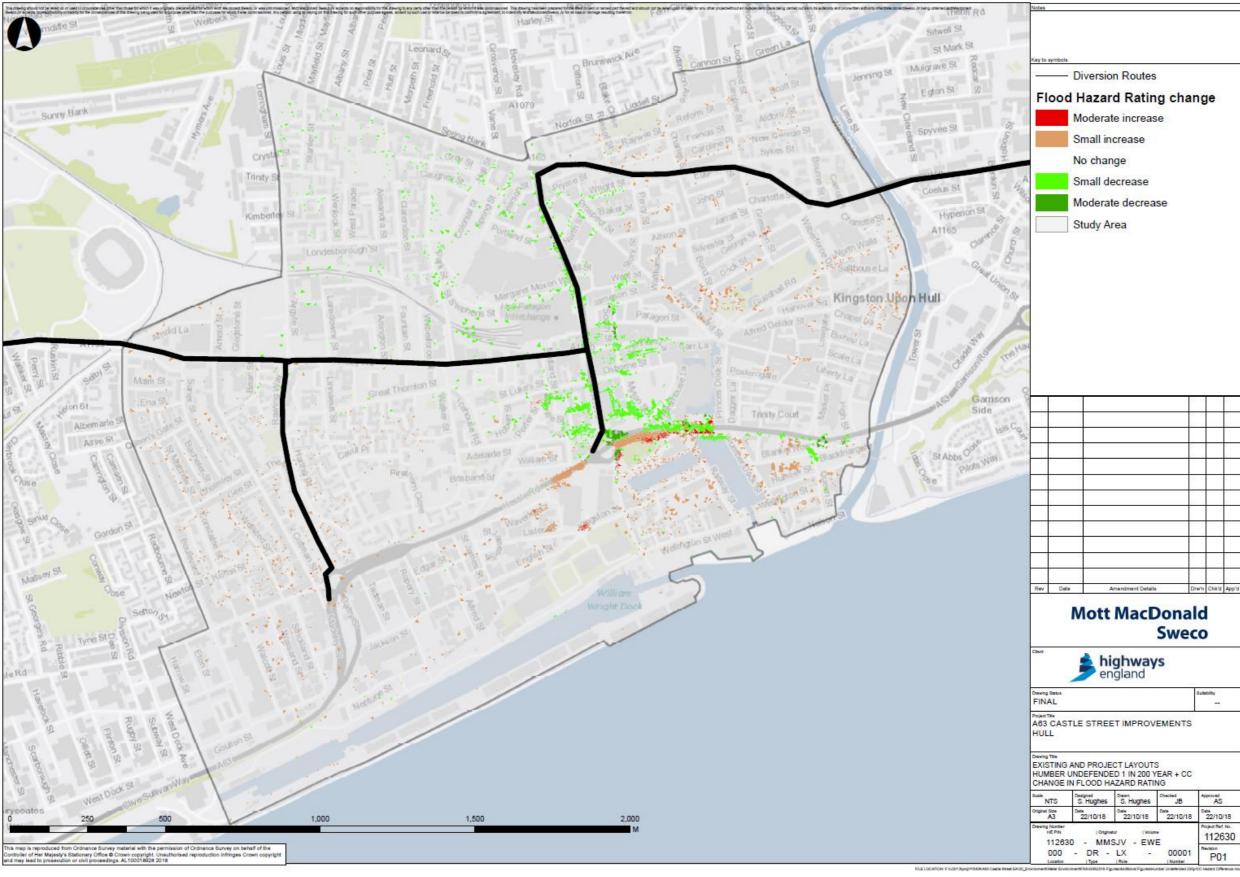


Figure E6: Change in Flood Hazard Rating during a 1 in 200-year plus climate change undefended Humber Estuary tidal flood event



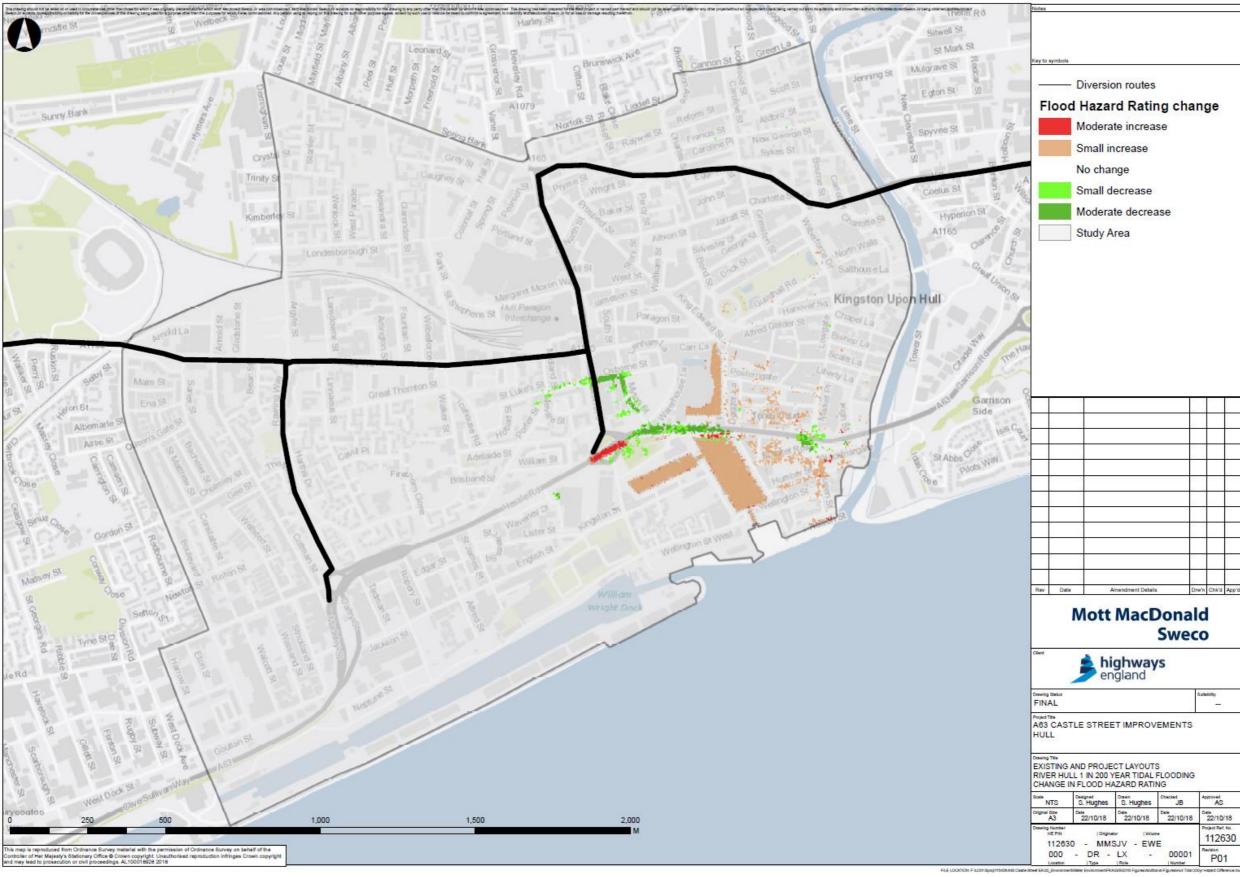


Figure E7: Change in Flood Hazard Rating during a 1 in 200-year River Hull tidal flood event (Hull Tidal Surge Barrier open)



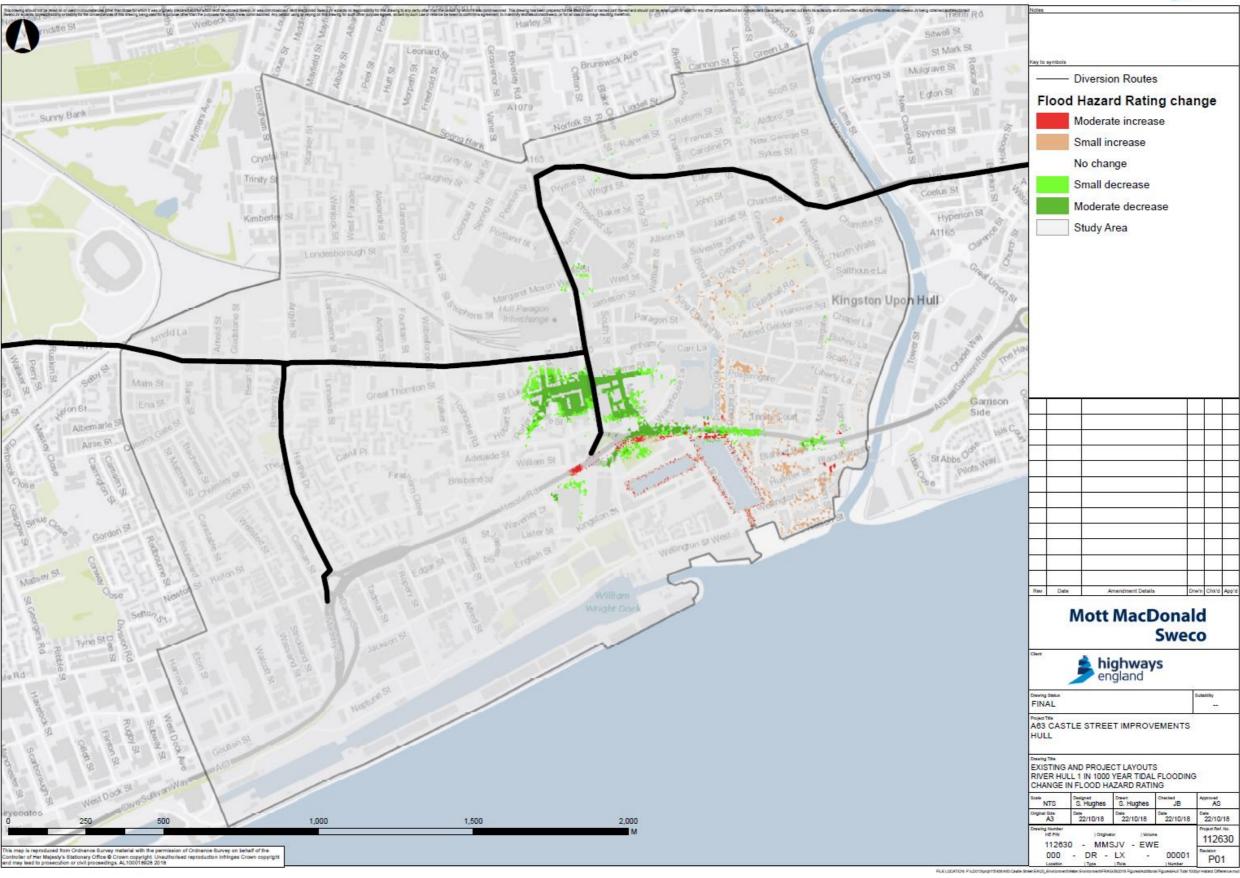


Figure E8: Change in Flood Hazard Rating during a 1 in 1000-year River Hull tidal flood event (Hull Tidal Surge Barrier open)

