

APPENDIX 21.3

Effect	Receptor and importance	Nature of Effect	Significance	Mitigation & Enhancement Measures	Residual Significance	Cumulative Effect	Significance (and Nature) of Cumulative Effect	Explanation
Construction Phase								
Loss of land at Wigg Island used for the shooting club	Community Resources High Importance	Permanent High Magnitude Long Term Direct	High Negative Significance	-	High Negative Significance	None	-	There are no proposed developments that will impose on land designated for Community Resources
Loss of land at Wigg Island Community Park	Community Resources High Importance	Temporary High Magnitude Long Term Direct	High Negative Significance	-	High Negative Significance			
Loss of land at St Michael's Golf Course.	Greenspace High Importance	Permanent High Magnitude Long Term Direct	High Negative Significance	-	High Negative Significance	None	-	There are no proposed developments that will impose on land designated as Greenspace
Loss of a small compound of land south of the Garston to Timperley Rail Freight Line.	Greenspace Low Importance	Permanent High Magnitude Long Term Direct	Moderate Negative Significance	-	Moderate Negative Significance			
Loss of land designated as	Greenspace Low	Permanent High	Low Negative Significance	-	Low Negative Significance			

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greenspace.	Importance	Magnitude Long Term Direct						
Loss of saltmarsh at Astmoor and Widnes.	Greenspace Low Importance	Temporary High Magnitude Long Term Direct	Moderate Negative Significance	Translocation of saltmarsh turfs during construction.	Moderate Negative Significance			
Severance of potential greenways.	Greenspace Moderate Importance	Temporary Neutral Magnitude Short Term Direct	Low Negative Significance	Provide/Implementation diversions/alternative routes during construction.	Low Negative Significance			
Loss and segregation of land for designated green belt at Wigg Island.	Green Belt High Importance	Permanent High Magnitude Long Term Direct	High Negative Significance	-	High Negative Significance	None	-	There are no proposed developments that will impose on land designated as Green Belt
Loss of commercial/industrial land.	Commercial/Industrial Land High Importance	Permanent High Magnitude Long Term Direct	High Negative Significance	-	High Negative Significance	None	-	Developments 2 and 3 127, 128, 130 132, and 133 would be located on Commercial/Industrial Land. However as these developments are commercial and industrial themselves, there is considered to be no cumulative effect.

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Loss of saltmarsh for construction access and construction activities.	Agricultural Land Low Importance	Temporary High Magnitude Short Term Direct	Moderate Negative Significance	Translocation of saltmarsh turfs during construction.	Moderate Negative Significance	None	-	There are no proposed developments that will impose on land designated as Agricultural.
Loss of land used for horse grazing.	Agricultural Land	Permanent High Magnitude Long Term Direct	Moderate Negative Significance	-	Moderate Negative Significant			
Modifications to existing road infrastructure.	Infrastructure High Importance	Permanent Neutral Magnitude Long Term Direct	Low Positive Significance	-	Low Positive Significance	None	-	None of the proposed developments propose changes to infrastructure other than new access junctions. These effects are not considered significant therefore there are no cumulative effects.
Modifications to the SJB and Widnes De-Linking.	Infrastructure High Importance	Permanent Low Magnitude Long Term Direct	Moderate Positive Significance	-	Moderate Positive Significance			
Severance of PRoW across the Borough.	Infrastructure High Importance	Temporary Moderate Magnitude Short Term Direct	Low Negative Significance	Provide/implementation diversions/alternative routes during construction.	Low Negative Significance	Severance and Disruption to PRoWs across the Borough	Moderate Negative (Temporary, Short Term, Direct)	Development 131 and 132, 2, 3, 4, 5 and 10 all have the potential to effect the on-road or the segregated cycleway network due to their locations directly on, or close to one of these cycleways. The nature of disruption to any

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Loss and severance of foreshores at Widnes Warth and Wigg Island	Infrastructure Low Importance	Temporary High Magnitude Short Term Direct	Moderate Negative Significance	Provide/implementation diversions/alternative routes during construction.	Moderate Negative Significance	None	-	particular cycleway is difficult to determine, and will depend upon exact development boundaries and the length and nature of construction periods. However, there is the potential for negative cumulative effects of low significance on the cycle network in Widnes and Runcorn. This cumulative effect remains unchanged for the Further Applications ES, with the exception that the developments with the potential to contribute to it are now developments 132 and 133 as shown above.
Loss of assumed rights	Infrastructure High	Permanent High	Low Negative Significance	-	Low Negative Significance			There are no proposed developments that will impose on these PRoW and ARoW.

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of way on St Michael's Golf Course, Lodge Lane and Astmoor Industrial Estate.	Importance	Magnitude Short Term Direct						
Loss and severance of assumed rights of way at Wigg Island LNR.	Infrastructure High Importance	Temporary High Magnitude Short Term Direct	Low Negative Significance	-	Low Negative Significance			
Loss of land uses in Southern Widnes, Central Widnes and Widnes Waterfront Regeneration Action Areas.	Development Land High Importance	Permanent High Magnitude Long Term Direct	High Positive Significance	-	High Positive Significance	None	-	Development 2 is the Developments 131 and 132 are the only proposed developments located within the Regeneration Action Areas. However as this development is a regeneration project itself there will be no cumulative effect on development land.
Loss of land at Ditton/Speke Road and Rocksavage, Clifton.	Development Land Moderate Importance	Permanent Moderate Magnitude Long Term Direct	High Negative Significance	-	High Negative Significance			
Operational Phase								
Loss of land at Wigg Island used for the	Community Resources High	Permanent High Magnitude	High Negative Significance	-	High Negative Significance	None	-	There are no proposed developments that will impose on land

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shooting club	Importance	Long Term Direct						designated for Community Resources
Loss of land at St Michael's Golf Course.	Greenspace High Importance	Permanent High Magnitude Long Term Direct	High Positive Significance	-	High Positive Significance	None	-	There are no proposed developments that will impose on land designated as Greenspace
Loss of land used for commercial/industrial use.	Commercial/Industrial Land High Importance	Permanent High Magnitude Long Term Direct	High Negative Significance	Utilise area of redundant highway from de-linking processes to provide additional areas for the potential development of commercial/industrial land. Utilise land under Astmoor viaducts for development of commercial/industrial use.	Moderate Negative Significance	None	-	Developments 2 and 3 127, 128, 130, 131, 132 and 133 would be located on Commercial/Industrial Land. However as these developments are commercial and industrial themselves, there is considered to be no cumulative effect.
Loss of land used for horse grazing.	Agricultural Land Low Importance	Permanent High Magnitude Long Term	Moderate Negative Significance	-	Moderate Negative Significance	None	-	There are no proposed developments that will impose on land designated as

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Land made available from SJB and Widnes de-linking.	Infrastructure High Importance	Direct Permanent High Magnitude Long Term Direct	High Positive Significance	Utilise area of redundant highway to provide additional areas for commercial/industrial use.	High Positive Significance	None	-	Agricultural. There are no proposed developments this land use. However the Council propose in the future, to de-link the SJB in Runcorn and to reprioritise roads near the SJB. This proposal forms part of a separate proposal, and so is not a direct result of the Project. However, without the development of the Project, the SJB will continue to be heavily over-used, and therefore, de-linking could not effectively occur. The benefits of de-linking in Runcorn will be assessed under a separate application. However, in land use terms enhanced land use change is expected (see Chapter 9: Land Use).
Modifications to PRoW as a	Infrastructure High	Permanent Low	Low Positive Significance	-	Low Positive Significance	None	-	There are no proposed developments that will

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result of the Project.	Importance	Magnitude Long Term Direct						impose on these PRoW and ARoW.
Loss of assumed rights of way at St Michael's Golf Course, Lodge Lane and Astmoor Industrial Estate.	Infrastructure High Importance	Permanent Neutral Magnitude Long Term Direct	Low Negative Significance	-	Low Negative Significance			
Re-establishment of assumed rights of way on Spike Island, Wigg Island LNR and A533 Central Expressway.	Infrastructure High Importance	Permanent Neutral Magnitude Long Term Direct	Low Negative Significance	-	Low Negative Significance	None	-	There are no proposed developments that will impose on these PRoW and ARoW.

Table 21.3. Cumulative effects relating to Land Use arising from the Project