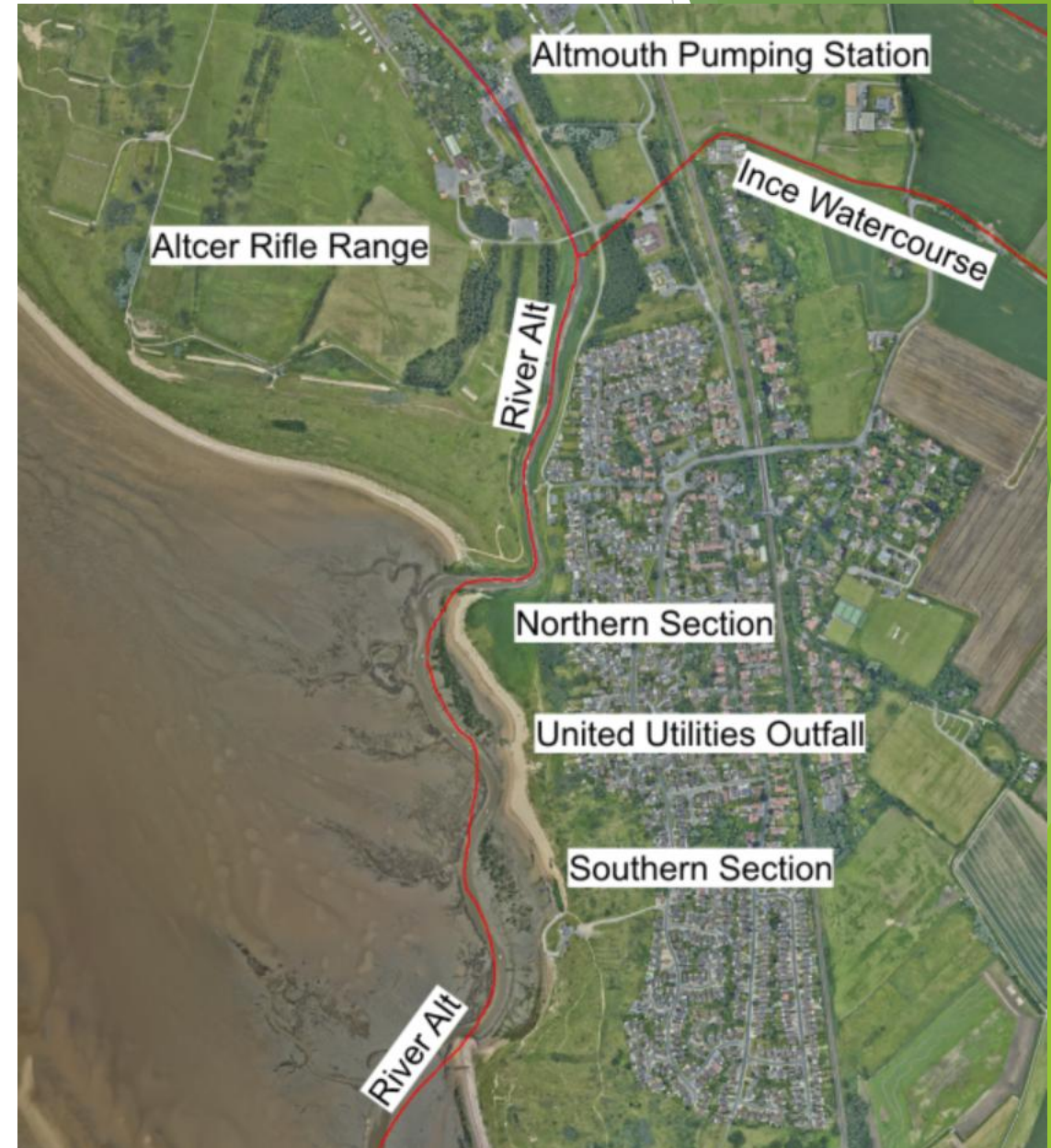


Hightown Dunes Costal Defence



The Works

- National Flood Management Project
- Nourish the foreshore and frontal dunes
- Utilise material from the local sediment system



The Works

- Sediment will be excavated from the River Alt
- The areas highlighted **Red** will be the primary sources of sediment
- Sediment will be reviewed for its suitability and will be placed along the foreshore and Frontal dune in the areas highlighted **Yellow**



How Will this be completed

- The works will be completed in 2 phases
 - Phase 1 - Within Altcar Training Camp (Approximately 2 Weeks)
 - Phase 2 - Along the Forshores (Approximately 8 Weeks)

Phase 1 (Pumping Station)	6 days	
Mobilise and Site Setup	1 day	
Extract Sedimentaion & Relocate to Compound Area	5 days	
De-mob and re-mob for Phase 2	1 day	
Phase 2 (Dunes)	40 days	
Install temp fencing and signage to protect public	1 day	
Extract & Place Silt to Northern Section	20 days	
Grade & Reprofile Silt	20 days	
Extract & Place Silt to South Section (include headwall)	15 days	
Grade & Reprofile Silt	15 days	
De-mob Site Setup	3 days	

Phase 1

- Phase 1 will require sediment which is removed from the River Alt within the Altcar Training Base to be transported by road to the Blundellsands Sailing Club
- Material will be transported via 8 Wheeled tipper Wagons via the route indicated
- Where required vehicle marshals will be located to aid wagon movements
- We do not expect the roads to become muddy due to the works, but a Road Sweeper will be deployed periodically to ensure the local road network is maintained



Phase 2

- The works on the Forershire will be undertaken at low tides
- The works will require a 36T long Reach Excavator and large dumper trucks to transport the material
- No formal closures will be implemented during the works, but local residents maybe asked to wait whilst plant passes
- Signage will be erected throughout the works and marshals located at key points along the beach



What Next

- We are currently undertaking Ecological Surveys along the river to ensure we have identified any protected species prior to the works
- These surveys should conclude late July which will then enable final discussions with key governing bodies prior to the works commencing
- The works are currently planned to commence late September 2026

Any Questions ?