

Key Flooding Mechanisms 1-in-100 year Victoria Stream

- A combination of fluvial flow down the Well Stream and the Victoria Stream backing up the connecting culvert results in the channel overtopping its banks

- The Victoria Stream is both Fluvial and Tidal
- The tidal levels at the downstream end therefore effect the flood levels and level of flood risk upstream

- Western Tributary overtops its banks
- The existing embankments direct the flow down Well Road into the town

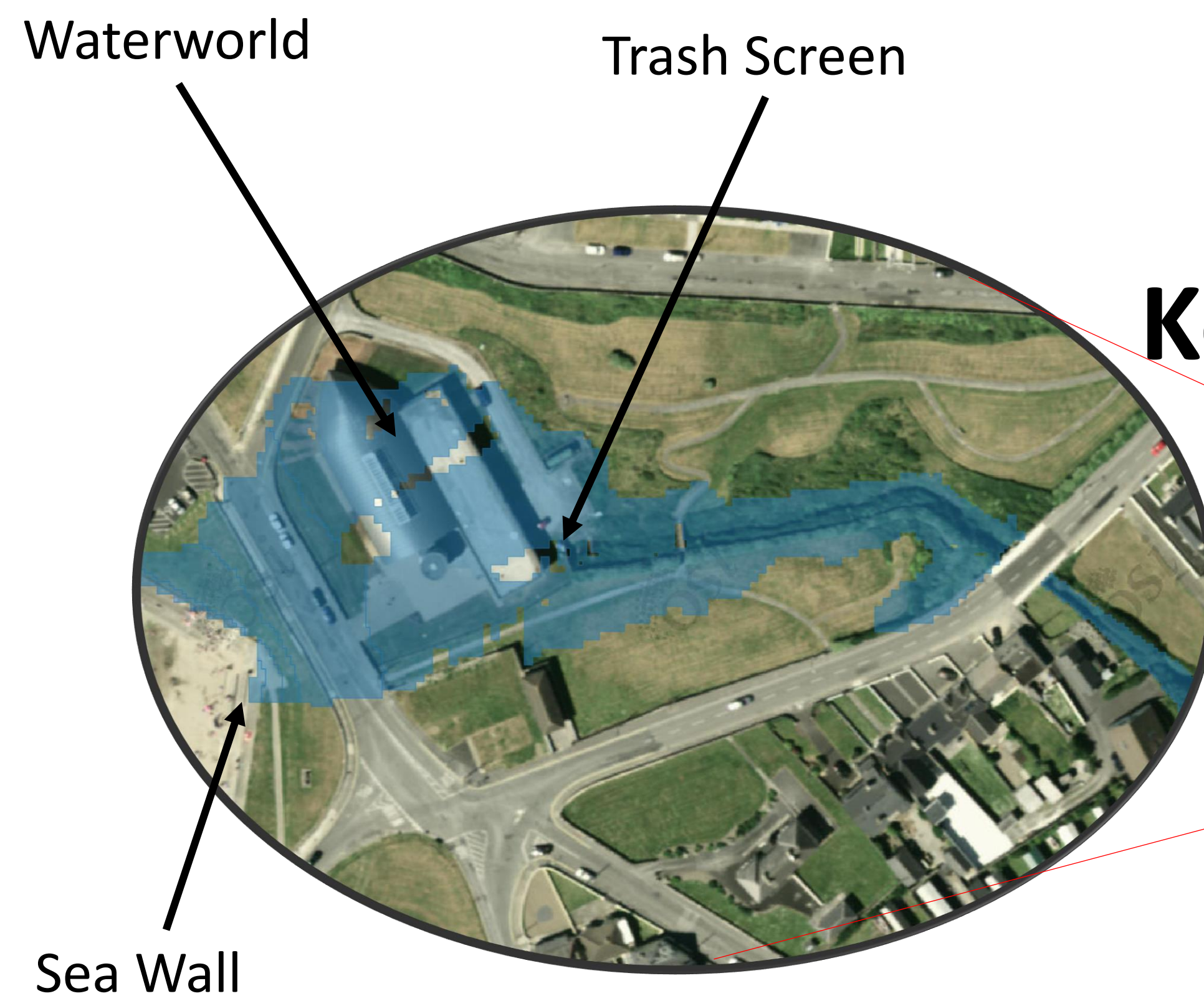
- The fluvial flows and tidal levels result in high water levels along the Victoria Stream which results in it overtopping its banks



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- 90 properties and 7 caravans are impacted by flooding from the Victoria Stream in the 100-year event

Key Flooding Mechanisms 1-in-100 year Atlantic Stream

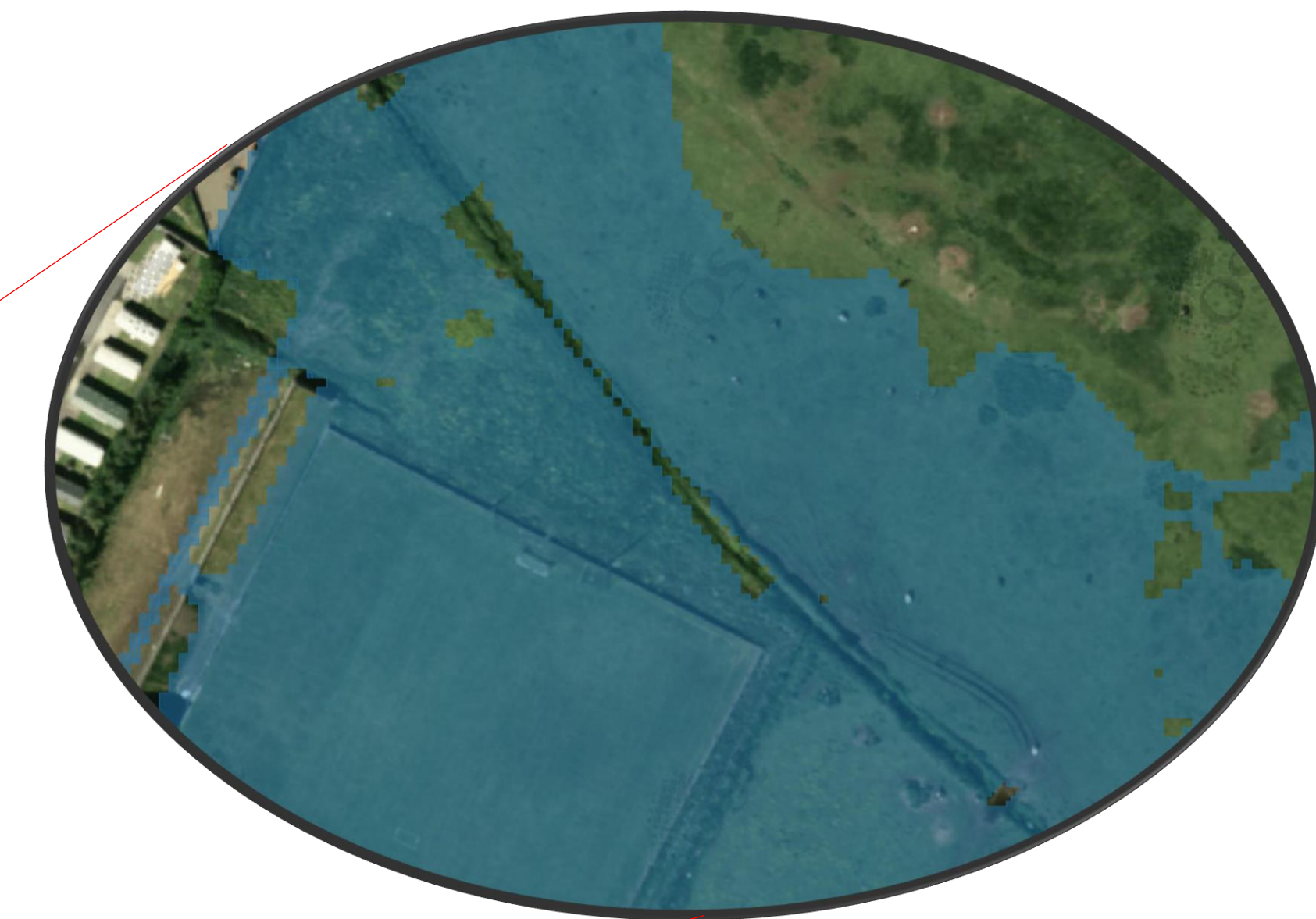


- Significant screen blockage is a regular occurrence and results in flood waters building up and flowing through Waterworld and cascading down the sea wall steps onto the beach
- The flow capacity of the outfall and overflow culverts is also exceeded which contributes to the flooding down onto the beach

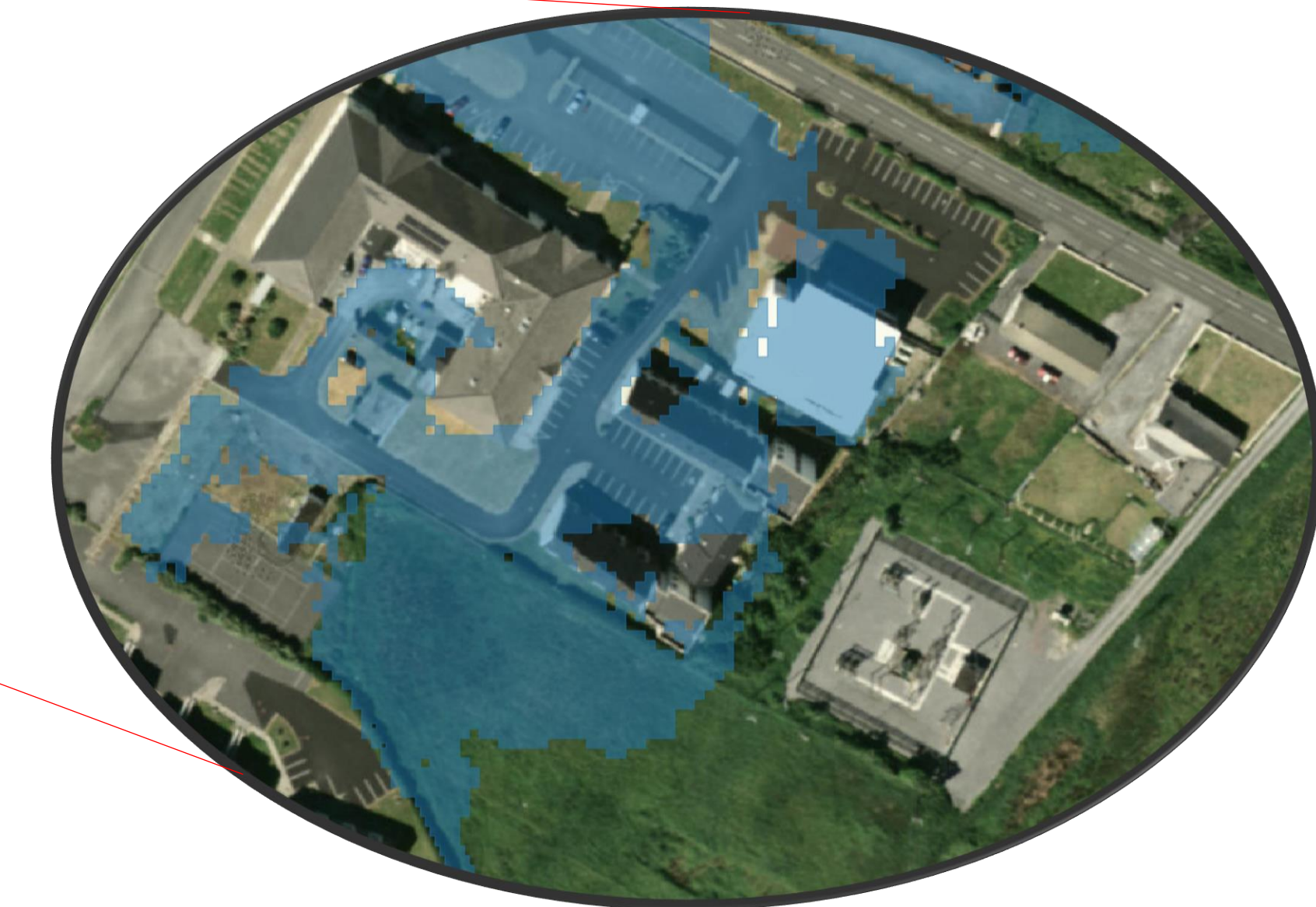


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- 37 properties are impacted by flooding from the Atlantic Stream in the 100-year event



- Flooding to the GAA field and surrounding area is a result of the Atlantic Stream overtopping its banks



- Flooding at the Kilkee Bay Hotel is a result of the high flood levels at the junction with the Atlantic Stream at the GAA field restricting the flow