



Legend

- Site Boundary
- Weir
- Soft Sediment Littoral
- Soft Sediment Dominated Substrata
- Mixed Sediment Substrata
- Cobble & Gravel Dominated Substrata

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**Natura Impact Statement Report
 Figure C.5.3 - Indicative Substrate Map**

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C.5.4 Calendar of Sensitivities for Fish Species Present in the Lower River Shannon (Limerick City) (Source: Macklin & Brazier, 2018)

Species	Notes	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Atlantic Salmon	Spawning areas upstream of King's Island (e.g. Castleconnell)	Late spawning	Close season	Close season	Emergence from redds & smolts	Smolts					Adults running river	Adults running river	Peak Spawning
Brown Trout	Slob trout phenotype in Abbey River & Lower River Shannon	Close season	Close season	Close season	Emergence from redds	Fry growth					Adults running river	Peak Spawning	Late Spawning
European Eel	Good habitat throughout Lower River Shannon & Abbey River (adults & elvers)	Glass eel migration into estuary	Glass eel migration into estuary	Glass eel migration into estuary	Glass eel migration into estuary	Glass eel migration into estuary			Migration of adults to sea	Migration of adults to sea	Migration of adults to sea	Migration of adults to sea	Migration of adults to sea
Lamprey Species	Spawning areas unknown in tidal areas. Important areas upstream in Mulkear River & below dams				Migration & Spawning	Migration & Spawning	Spawning	Spawning					
Smelt	Spawning at Clancy's Strand (d/s Curragower Falls)			Spawning	Spawning								

D Location of Invasive Species on Kings Island