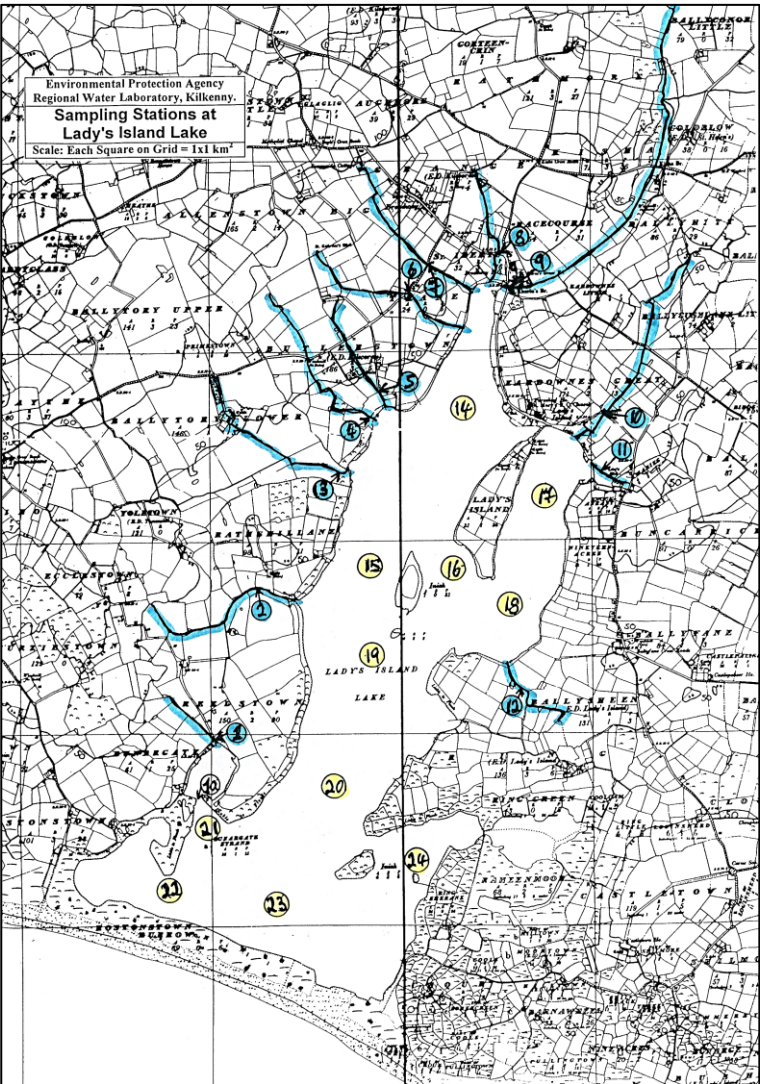


Lady's Island Lake Feeder Streams

Water quality sampling by Wexford County Council.

A 1984 report commissioned by Wexford County Council and produced by An Foras Forbartha, the forerunner of the Environmental Protection Agency (EPA), gave the results of both chemical and biological water quality sampling of the twelve feeder streams at Lady's Island Lake (Neill, 1984). The streams and their sampling stations were identified by number clockwise from the south-western corner of the catchment to its south-eastern corner (Figure 1, coloured blue after Neill, 2001). Each of the twelve streams was sampled on four occasions during 1984: 17 April, 21 May, 9 July, and 19 September. The overall water quality status in the streams is summarised

as follows by stream number (Table 1 after Neill, 1984 page 4).



No	Water quality status
1	"Stream too small for sampling."
2	"Intermittent pollution"
3	"Possible intermittent pollution ."
4	"Badly polluted on all sampling dates."
5	"Badly or moderately polluted ..."
6	"Polluted on some sampling dates".
7	"Polluted on some sampling dates".
8	"Possible intermittent pollution ."
9	"Polluted on some sampling dates".
10	"Badly polluted on all sampling dates."
11	"Elevated nitrate levels."
12	"Stream too small for sampling."

Figure 1. Feeder stream numbers 1-12 and their indicative courses.

Table 1. Water quality.

The twelve feeder streams were sampled again in 1990, 1992, 1994, 1995, 1998, 2001, 2003, 2004 (two reports: EPA and ASU), 2006 and 2009. The reported results were disappointing. No sampling was reported for the 14-year period 2010-2024. The most recent sampling was conducted on 28 April 2025. With regard to nitrate levels on that date, the results showed that eleven of the twelve feeder streams failed the nitrates test (ALS, 2025). The sole exception was feeder stream No 1, a small drain that has a weak flow in wet weather but is usually either dry or slightly marshy underfoot.

Ongoing monitoring by the Environmental Protection Agency

Pursuant to the European Union Water Framework Directive (WFD), the Environmental Protection Agency (EPA) maps and monitors seven named river waterbodies (feeder stream numbers 2, 3, 5, 6, 8, 9, and 10 in Figure 1) discharging to Lady's Island Lake (Figure 2)

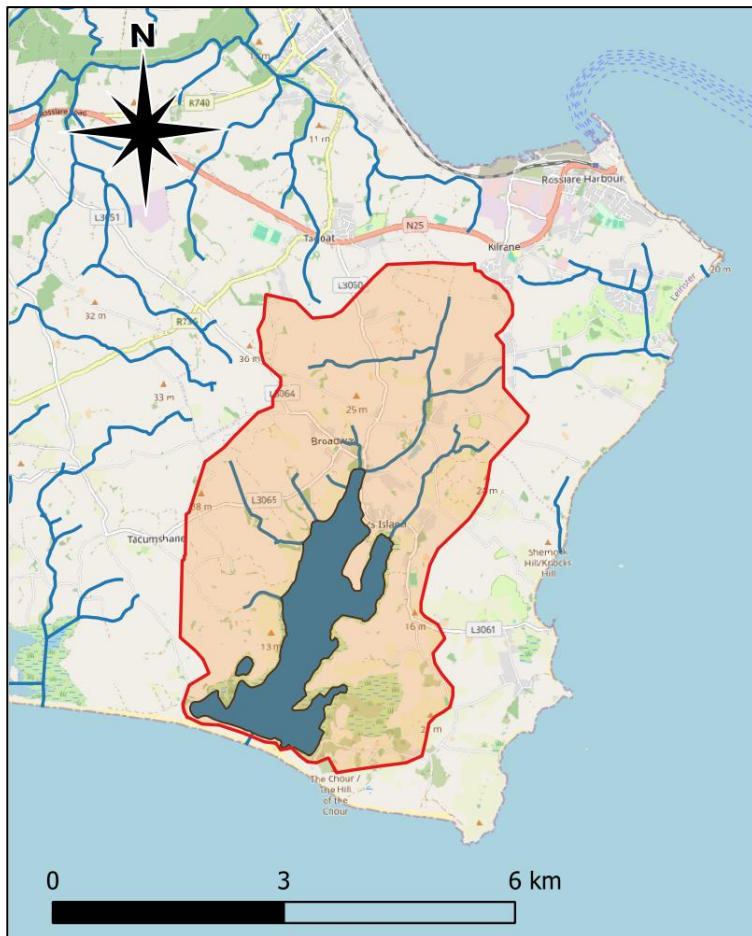


Figure 2 shows Lady's Island Lake (darker blue fill), its seven EPA feeder streams (lighter blue lines), the catchment of the lagoon (pale orange fill), and its watershed (red line; after O'Connor *et al.*, 2024 page 2, Figure 2.1).

For EPA reporting purposes, all seven feeder streams share the same WFD code: IE_SE_13K140950 and the same name: Kisha_010.

Lady's Island Lake is National Water Monitoring Station TW33002090LI1001 for WFD reporting on transitional waters and the road bridge at St Iberius on L3060 is Station RS13K140950 (Kisha) for monitoring river water in the feeder streams.

Figure 2. Lady's Island Lake, feeder streams, and catchment.

Water quality in the lake is currently rated 'Poor' with the lagoon rated 'At risk' of not achieving good water quality status by 2027. River water status for each of the reporting periods 2007-2009, 2010-2012, and 2019-2015 was 'Unassigned', and for both the periods 2013-2018 and 2016-2021 was estimated to be 'Moderate' based on 'Expert judgement (low confidence)' (https://gis.epa.ie/EPAMaps/Water?gext=68644,253376,73198,257418&lid=EPA:WFD_RIVER_WATERBODIES_CYCLE3).

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