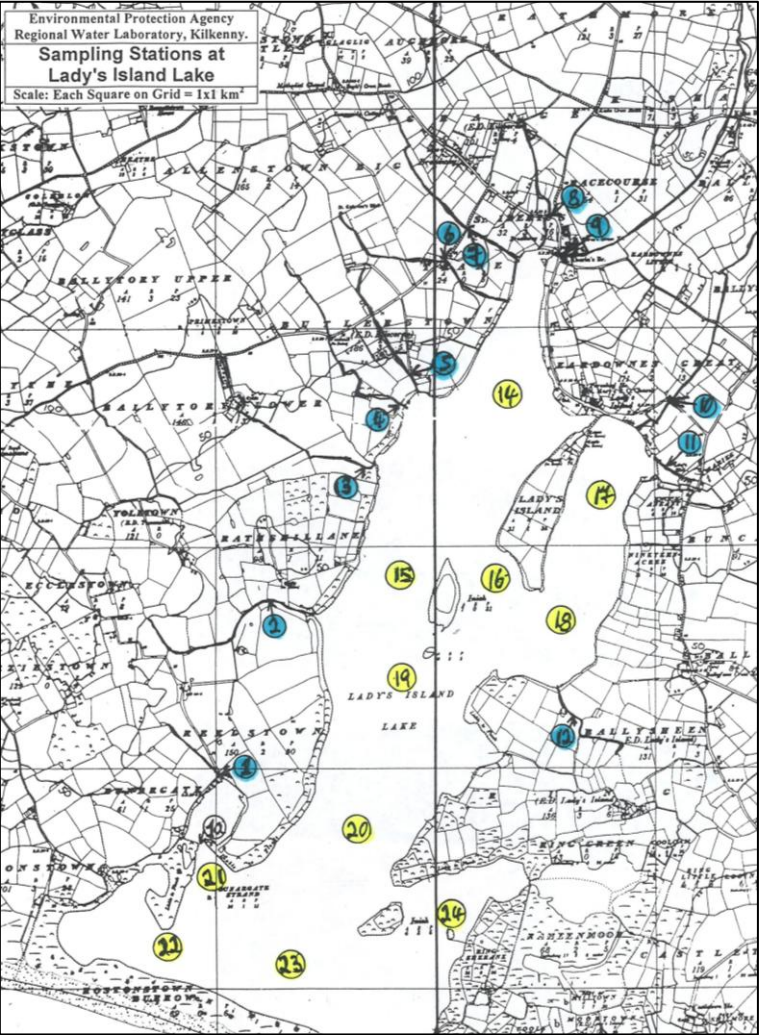


# Lady's Island Lake Feeder Streams

## The 1984 position

In 1984, a report by An Foras Forbartha, the forerunner of the Environmental Protection Agency (EPA), considered that Lady's Island Lake had twelve feeder streams (Neill, 1984). These were identified by number clockwise from the south-western corner of the catchment to its south-eastern corner (Figure 1, coloured blue; Neill, 2001). Water

quality status in 1984 was reported as follows by stream number (Table 1) (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 (left). Feeder streams at the Lady's Island Lake catchment, and Table 1 (right). Water quality.

As indicated in Table 1, some of the streams were too small for sampling and they probably should have been regarded as large land drains rather than small streams.



## The present position

Currently, pursuant to the European Union Water Framework Directive (WFD), the EPA maps seven named river waterbodies discharging to the lake (Figure 2).



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

Table 2 summarises data regarding the seven feeder streams from the EPA webpage <https://gis.epa.ie/EPAMaps/> / Water / Water Features / Flow Network (Indicative) with corresponding 1984 stream numbers and townland discharge points to identify locations, and with catchment sizes from O'Connor *et al.*, 2024 pages 2-3.

For reporting purposes, all seven feeder streams share the same WFD code: IE\_SE\_13K140950 and name: Kisha\_010. For second order streams, the segments lengths of their components are given at <https://gis.epa.ie/EPAMaps/>.

Figure 2. Lady's Island Lake.

The sub-catchment sizes of the seven feeder streams given in Table 2 sums 10.18km<sup>2</sup>. The total area of the lake's catchment is 19.16km<sup>2</sup>. (O'Connor *et al.*, 2024 pages 2-3).

Lady's Island Lake is National Water Monitoring Station TW33002090L1001 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. Water quality in the lake was rated 'Poor' with the lagoon rated 'At risk'. 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](https://gis.epa.ie/EPAMaps/Water?gext=68644,253376,73198,257418&lid=EPA:WFD_RIVER_WATERBODIES_CYCLE3)).

EPA Name	EPA Code	Stream order	Stream Length (m)	1984 No	Discharge point (Townland)	Catchment area (km <sup>2</sup> )
Strand	13S17	1	567	2	Reedstown/Rathshillane boundary	1.23
Trane	13T12	2	306	3	Ballytory Lower/Butlerstown boundary	1.18
Racecourse	13R17	1	698	5	Butlerstown	0.58
Eardownes Little	13E01	1	324	6	Butlerstown	0.34
Stonyford	13S16	2	381	8	Saint Iberius	1.16
Kisha	13K14	2	1522	9	Saint Iberius/ Eardownes Great boundary	4.20
Coldblow	13C38	2	1424	10	Eardownes Great	1.49

Table 3. Seven feeder streams discharging to Lady's Island Lake.

## References

- Neill, M. 1984. *Water Quality in Lady's Island Lake and Feeder streams, Co. Wexford - 1984*. Unpublished report commissioned by Wexford County Council. Kilkenny: An Foras Forbartha Regional Water Laboratory.
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- O'Connor, B., Oliver, G., Cawley, T., Roden, C., Perrin, P., de Witt, R., McCaffrey K., and O'Connor, A. 2024. *Coastal Lagoons: Ecology and Restoration (CLEAR)*. Report prepared for the Environmental Protection Agency by AQUAFAC, part of the APEM Group. EPA Research Report No 474. Wexford: Environmental Protection Agency. Available online at [https://www.epa.ie/publications/research/water/Research-Report\\_473.pdf](https://www.epa.ie/publications/research/water/Research-Report_473.pdf).