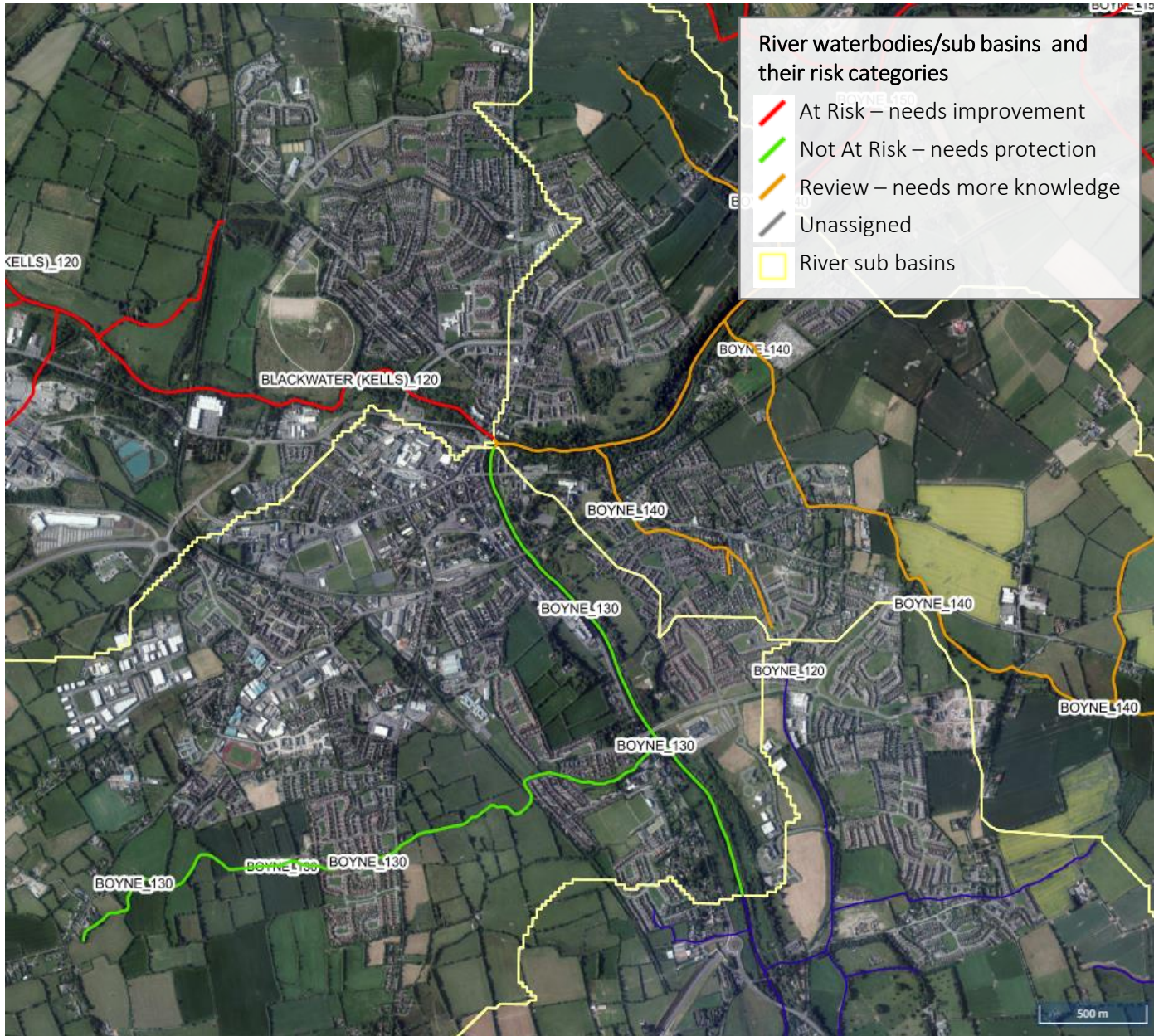


Map 1: Current water quality & trends are used to highlight rivers in Navan that are at risk of deteriorating or having less than good water quality status in the future.



Blackwater(Kells)_120 – Prioritised Area for Action (LAWPRO) in RBMP Cycle 3 (2022 – 2027)

- Considered to be “At risk” of not meeting good water quality status in Cycle 3
- Poor water quality (2013-2018: *see map 2 for water quality status*)
- 2 SWOs inputting in Navan town (*see map 2 for SWO locations*)
- Source of Navan’s drinking water

Boyne_120 – Area for Restoration (Meath County Council) in RBMP Cycle 3

- Was “At risk” in Cycle 2 (2016 – 2021), under review in Cycle 3
- Good water quality (2013-2018)
- 2 SWOs inputting in Navan town
- Source of Johnstown’s drinking water

Boyne_130 – Area for Public Body Research (IFI National Climate Change Mitigation Research) in RBMP Cycle 3

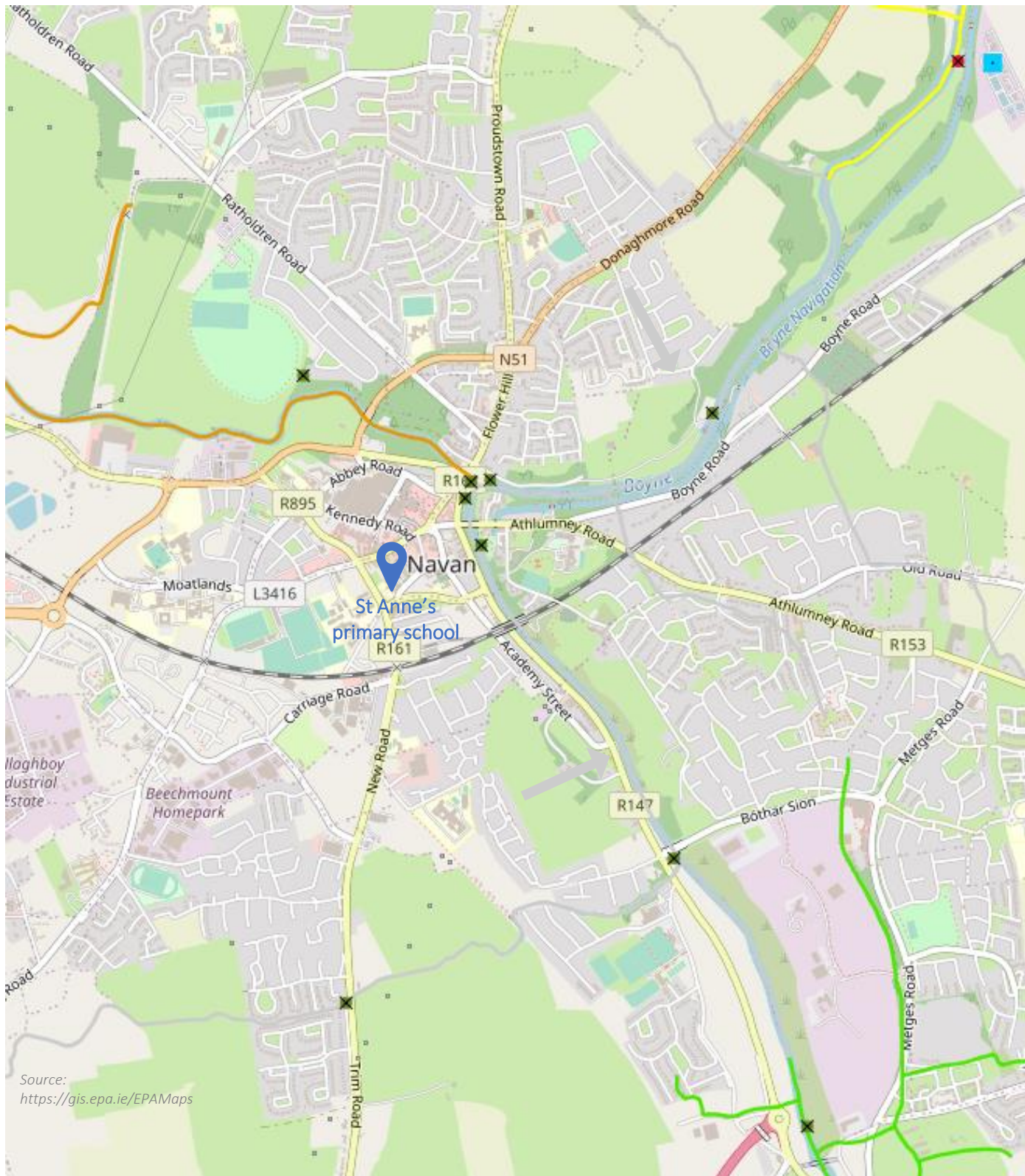
- Considered to be “Not at risk” of not meeting “Good” water quality status in Cycle 3
- Unassigned water quality status (2013-2018)
- 4 SWOs inputting in Navan town

Boyne_140 – Area for Public Body Research (IFI National Climate Change Mitigation Research) in RBMP Cycle 3

- Was “Not at risk” of not meeting good water quality status in Cycle 2, under review in Cycle 3
- Unassigned water quality (2013-2018)
- 2 SWOs inputting in Navan town
- Nutrient Sensitive Area due to the wastewater treatment plant

All the rivers are part of the River Boyne And River Blackwater Special Area of Conservation and Special Protected Area.

Map 2: Rainwater runs off Navan’s paved surfaces and rooftops and into the combined system. This becomes overloaded in very heavy rainfall, leading to overflows of untreated sewage into our rivers at Storm Water Overflow locations.



Source: <https://gis.epa.ie/EPAMaps>

Sewage treatment plant

• >10.000 PE

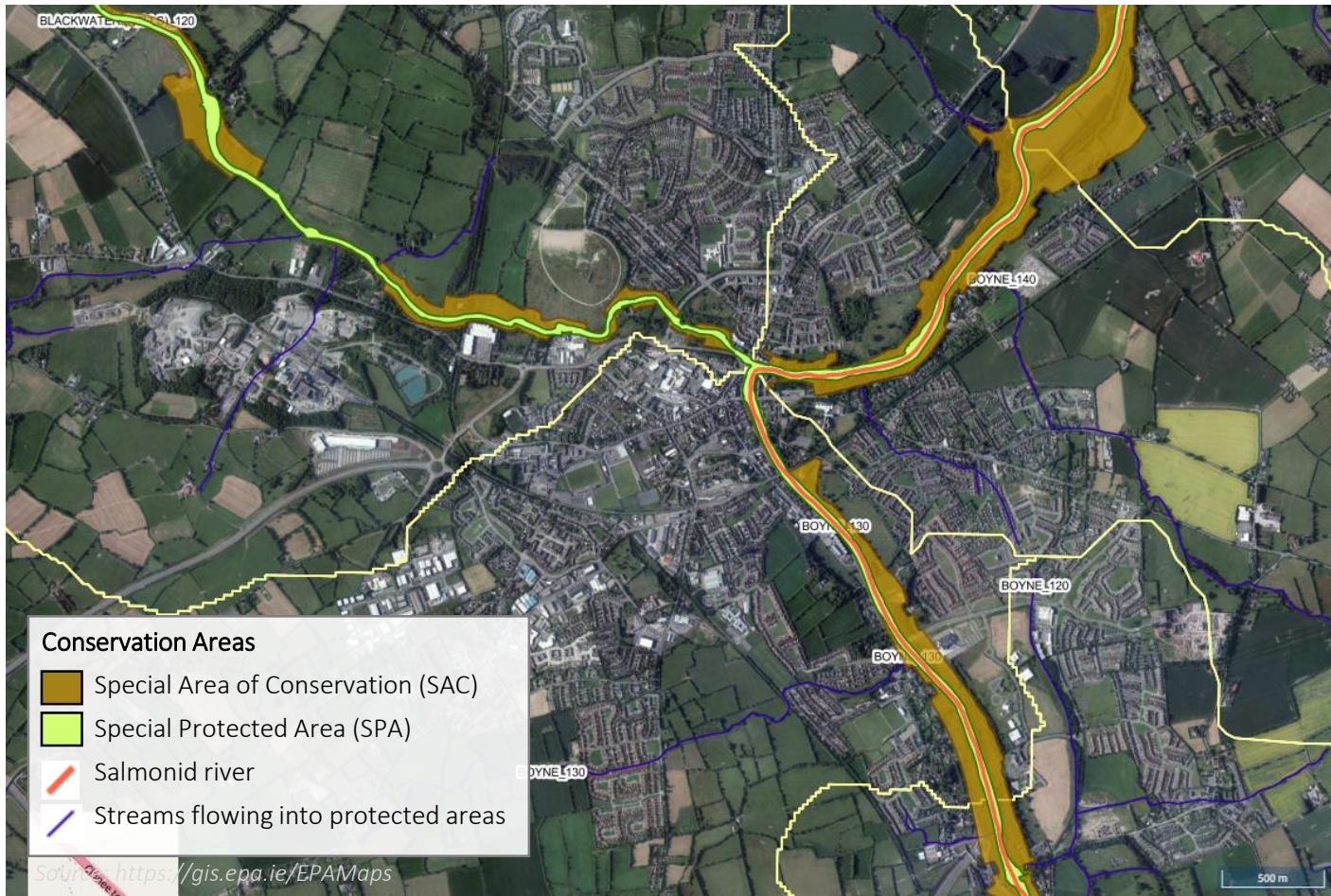
Sewage discharge locations

- ☒ Primary (treated)
- ☒ Secondary (treated)
- ☒ Storm Water Overflow (untreated)

River water quality / "WFD Status" 2013-2018

- Blue line: High quality (none in Meath)
- Green line: Good quality (Boyne upstream of Navan town)
- Yellow line: Moderate (Boyne downstream of Navan town)
- Orange line: Poor (the Blackwater in Navan town)
- Red line: Bad
- Grey line: Unassigned (the Boyne in Navan town)

Map 3: Protected areas in Navan are based around our river corridors & floodplains. These areas aim to protect species such as the Kingfisher, Otter, & Salmon which all rely on good water quality & healthy ecosystems. SACs are important wildlife conservation areas on a European as well as Irish level.



Map 4: Flood risk areas in Navan & the arterial drainage schemes used to try & control flooding instead of working with nature. Rainfall & flooding are predicted to increase.

