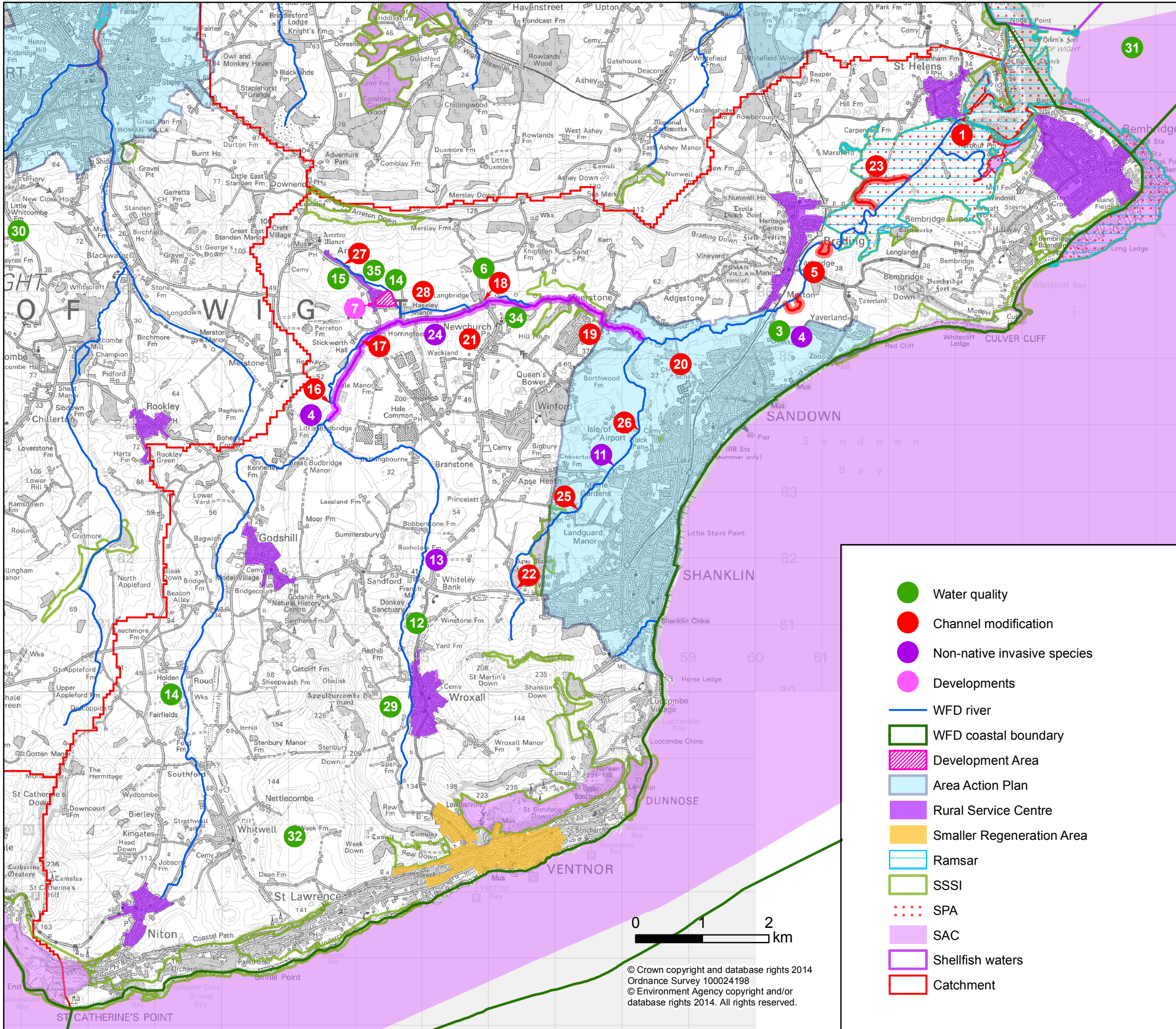


Eastern Yar Catchment



- 1** Slow flow because Bembridge Tidal Gate prevents tide and salt water access.
- 3** College Close Industrial Park in Sandown affects water quality. Spills at College Close WPS.
- 4** Non-native invasive species (NZ stonecrop) on council land.
- 5** Yarbridge short span restricted flow and holds water upstream. Monitoring for fish at Yarbridge - poor results. Fish are under pressure from sediment, poor morphology, flow and obstructions.
- 6** Phosphate overall on E Yar (09-15) is low, but interim fail. Invertebrates overall (09-15) are poor but have improved. Further investigations planned.
- 7** Development proposed for 48 or 98 homes. Appeal made against initial rejection of 98.
- 11** Himalayan Balsam downstream of A3056
- 12** Wroxall WWTW. Southern Water is considering work to improve water quality (not in next business plan).
- 13** Non-native invasive species control in particular Himalayan Balsam and Japanese Knotweed.
- 14** Upper Yar: Aquatic plants affected by phosphate, further investigations due, near Roud WwTW. Site due for treatment improvement in next SW business plan.
- 15** Arreton Stream: Phosphate good, interim fail. Invertebrates poor but improving. Likely source is diffuse pollution, septic tanks, Hazely Combe and Arreton STWs. Southern Water is considering work to improve water quality as not in SW's next business plan. Iron rich impact of the geology also affects inverts.
- 16** Probably blocked culvert, silted off-take channel, banks overgrown
- 17** Low concrete weir up and downstream of Horingford Bridge. Channel bed and banks are concrete. No elver or fish passage facility.
- 18** Concrete section and weir downstream of Langbridge Road Bridge. No fish or elver passage facility.
- 19** Alverstone Mill has 2 weirs, sluices and concrete channel. Lower weir has v-notch but no other fish pass facilities.
- 20** Concrete channel section and drop boards upstream of Longwood Bridge on Golf Links Rd
- 21** Straightened and deepened channel between Horingford and Langbridge.
- 22** Scotchells Brook: old stone weir blocks fish. Immediately downstream, a 300mm wide culvert under road is blocked with debris.
- 23** Opportunity to reinstate meanders.
- 24** Himalayan Balsam pulling on Eastern Yar from just after the confluence of the Wroxall Stream (through Horingford, Langbridge and Alverstone, to just before confluence on Scotchells Brook). Parrots feather, Crassula and Japanese Knotweed.
- 25** Weir at the outlet of an on-line artificial pond.
- 26** Inaccessible sluice
- 27** Arreton Stream is very narrow, intermittently culverted and constrained by a revetment beneath dense vegetation.
- 28** Arreton is heavily overgrown and runs under bridges through culverts. Phosphates evident from diffuse run-off from intensive agriculture. Sediment also high.
- 29** Central Downs chalk poor status: rising trends at Carisbrooke due to historic nitrates and farming on chalk.
- 30** Dissolved inorganic nutrients (DIN) from sewage, fertilizer etc causes 'eutrophication' - excessive seaweed and algae growth, which upsets the aquatic ecosystem. This causes a failure under the Nitrates Directive (categorised as Polluted Waters (Eutrophic)), and the Urban Waste Water Treatment Directive (Sensitive Areas (Eutrophic)).
- 31** Southern Downs chalk: poor quality - pesticide detections near Niton are rising. Ventnor Safeguard Protection Zone failing - need to find reason for failure (may be related to method of water collection). St Lawrence Spring has rising nitrate trend over last 6 years after years of level results. Pollution prevention visits to industrial estates, petrol stations, business users given advice on storage of oils, chemicals and potentially hazardous substances. Advice to farmers on chalk and other aquifers.
- 32** Ferrous discharge from outlet tower. Likely source is the nearby mining pit. SZ5668485989
- 35** Fine sediment entering watercourse from farmyard along deep gullies from tractor tyres SZ5430386099 /SZ5429286100

- Water quality
- Channel modification
- Non-native invasive species
- Developments
- WFD river
- WFD coastal boundary
- Development Area
- Area Action Plan
- Rural Service Centre
- Smaller Regeneration Area
- Ramsar
- SSSI
- SPA
- SAC
- Shellfish waters
- Catchment



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