

Restoration of the River Nar



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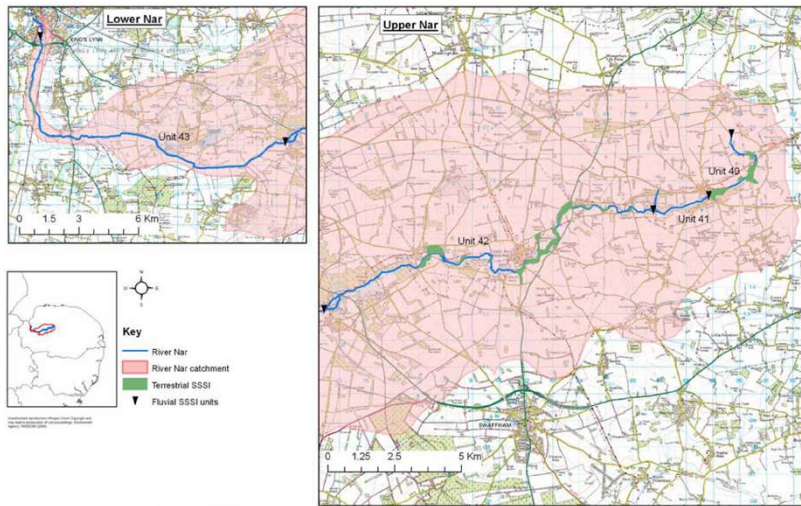


Background

Location & character

Chalk stream importance & designations

Heavily modified / WFD Status



Background

Restoration Strategy's

River Restoration Strategy and Plan
2010

The River Nar (A WFD Local Catchment Plan)
2014



Approach & Techniques

Mimm's Meadow, Castle Arce (Late Summer 2016)

Large scale glides / bed reinstatement using site won material

Emmanual's Common (late 2016)

1st major attempt at excavating 'new channel' (gravel not available)

Newton Mill (early 2017)

In channel restoration, inc. wood material and local gravel

West Lexham (2017)

In channel restoration with small scale glides, wood material & bypass channel



Castle Acre to West Acre

Water Environment Grant (WEG)

Successful bid allowing for construction to start in 2019

Partnership project roles

Designed by Charles Rangeley-Wilson

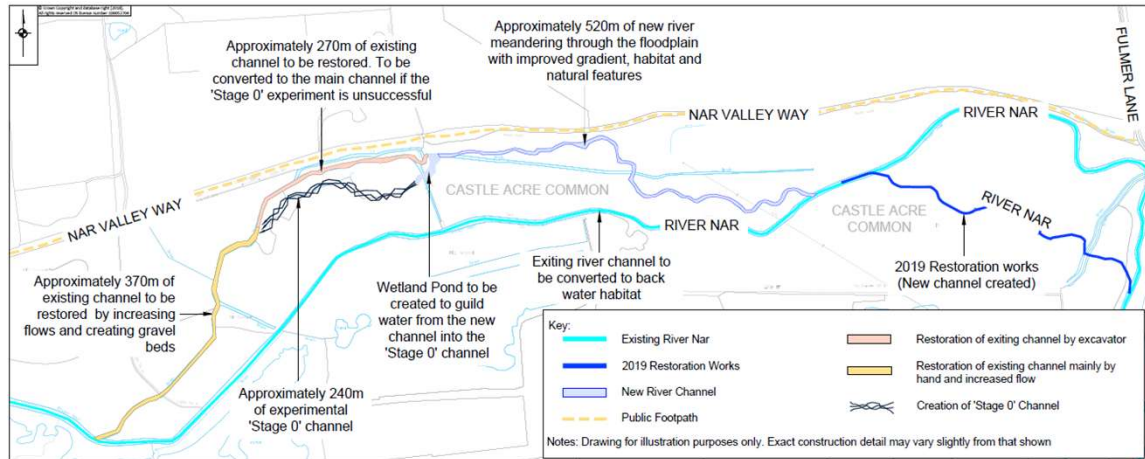
Norfolk Rivers IDB acted as Principal Designer and Principal Contractor

Previous restoration attempts in early 2010's hadn't worked

Design based on successful 'new channel' used at Emmanuel's common

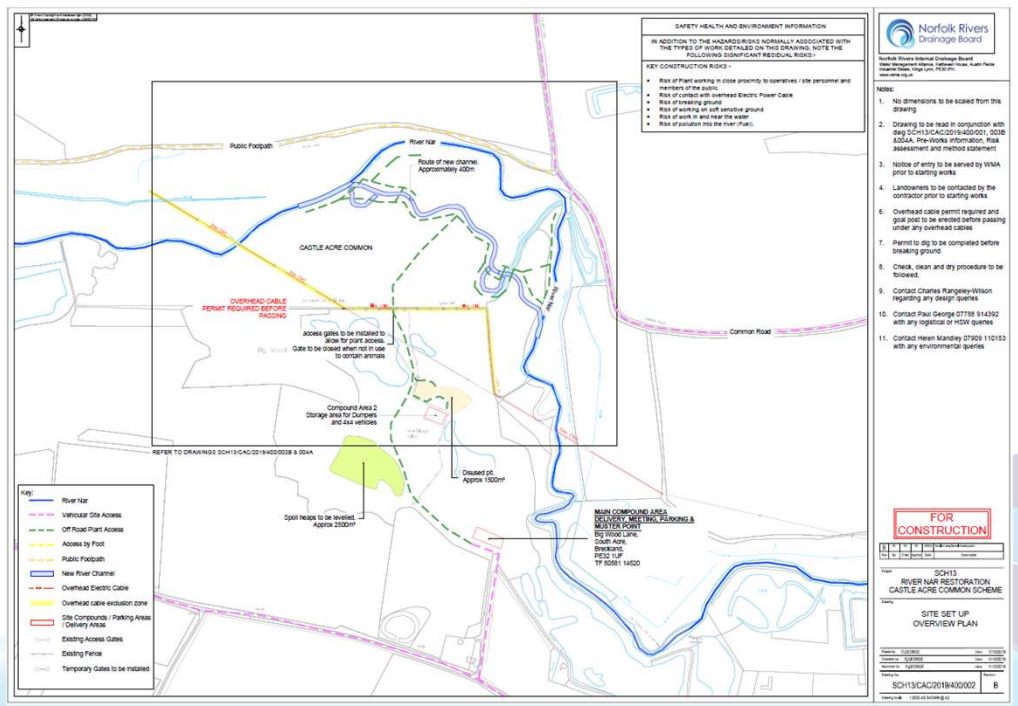


Castle Acre to West Acre Design



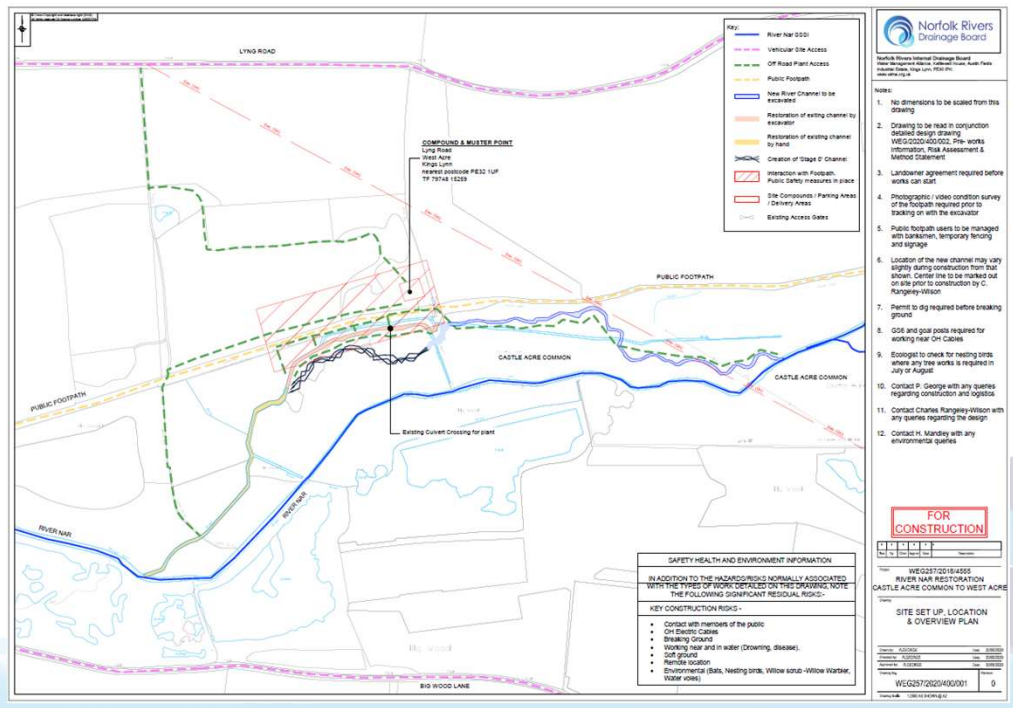
Castle Acre to West Acre

Phase 1 2019



Castle Acre to West Acre

Phase 2
2020 - 2021



Castle Acre to West Acre

Photos



Castle Acre to West Acre

Outcomes

Successful implementation on large scale for channel excavation technique

Fish & invertebrate monitoring

Finalist for the RRC Rivers Prize 2022

Improved access and amenity to the river

Educational visits to share lessons with local academy, RRC, Rivers Trust, Natural England & Wild Trout Trust, AW, EA



Summary

Outcomes

Main technique for river restoration has developed

Better benefits and less costs

IDB's can have a lead role in restoration and enhancement works

Partnership working and Landowner Support key

Funding opportunities increasing?

