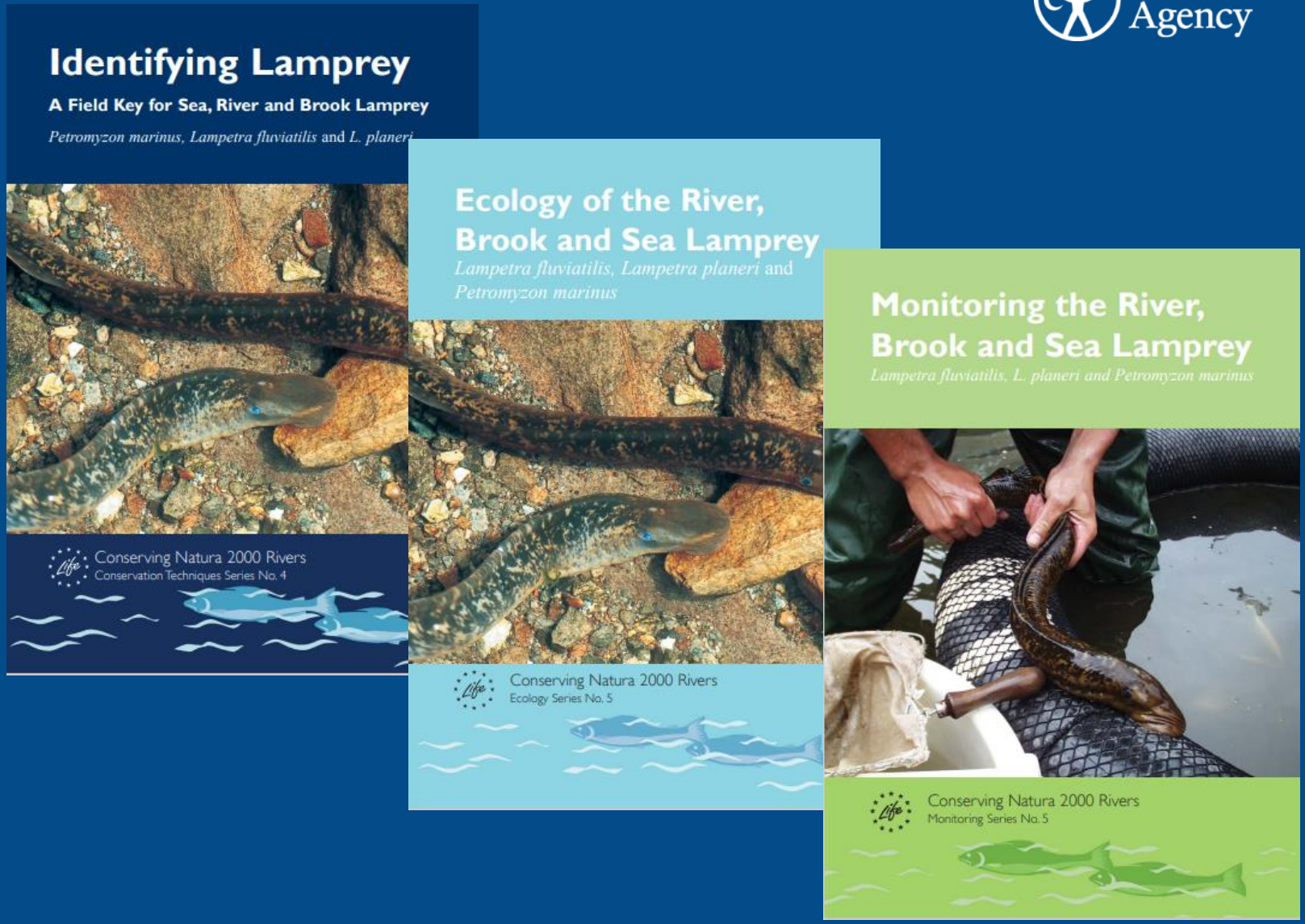
Introducing the brook lamprey of the Forest streams

Dom Longley, March 2022.

Environment Agency



- *What is a lamprey?*
- *Lamprey lifecycles*
- *Lampreys in the Forest*
- *Ecological requirements*
- *Pressures*
- *The spectacle of spawning*

- *What is a lamprey?*

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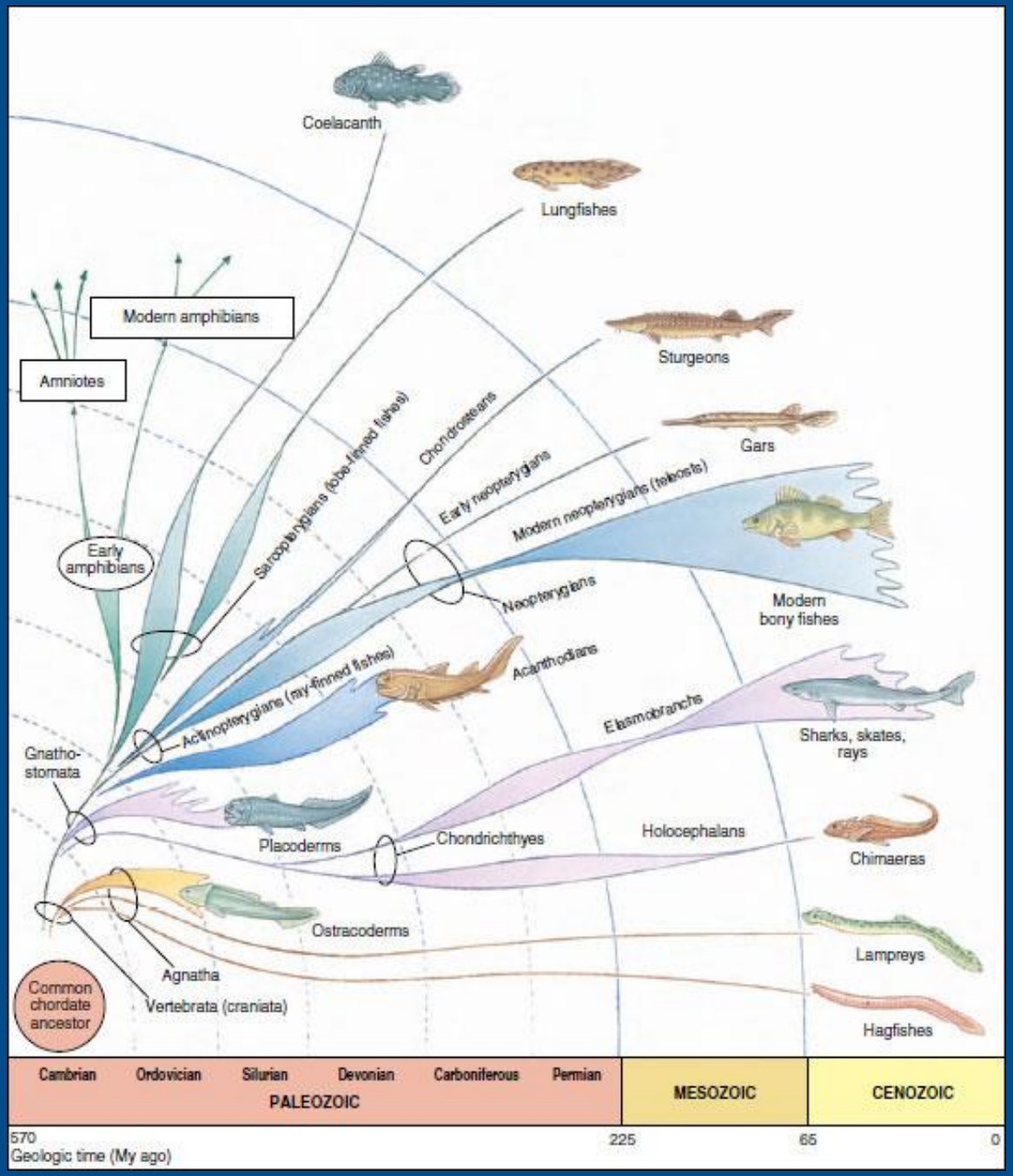

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Cambrian:
541 million to 485.4 million years ago

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- *Lamprey lifecycles*

Adult
290 300 310 320 330
"Ammocoete"

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- *Lampreys in the Forest*

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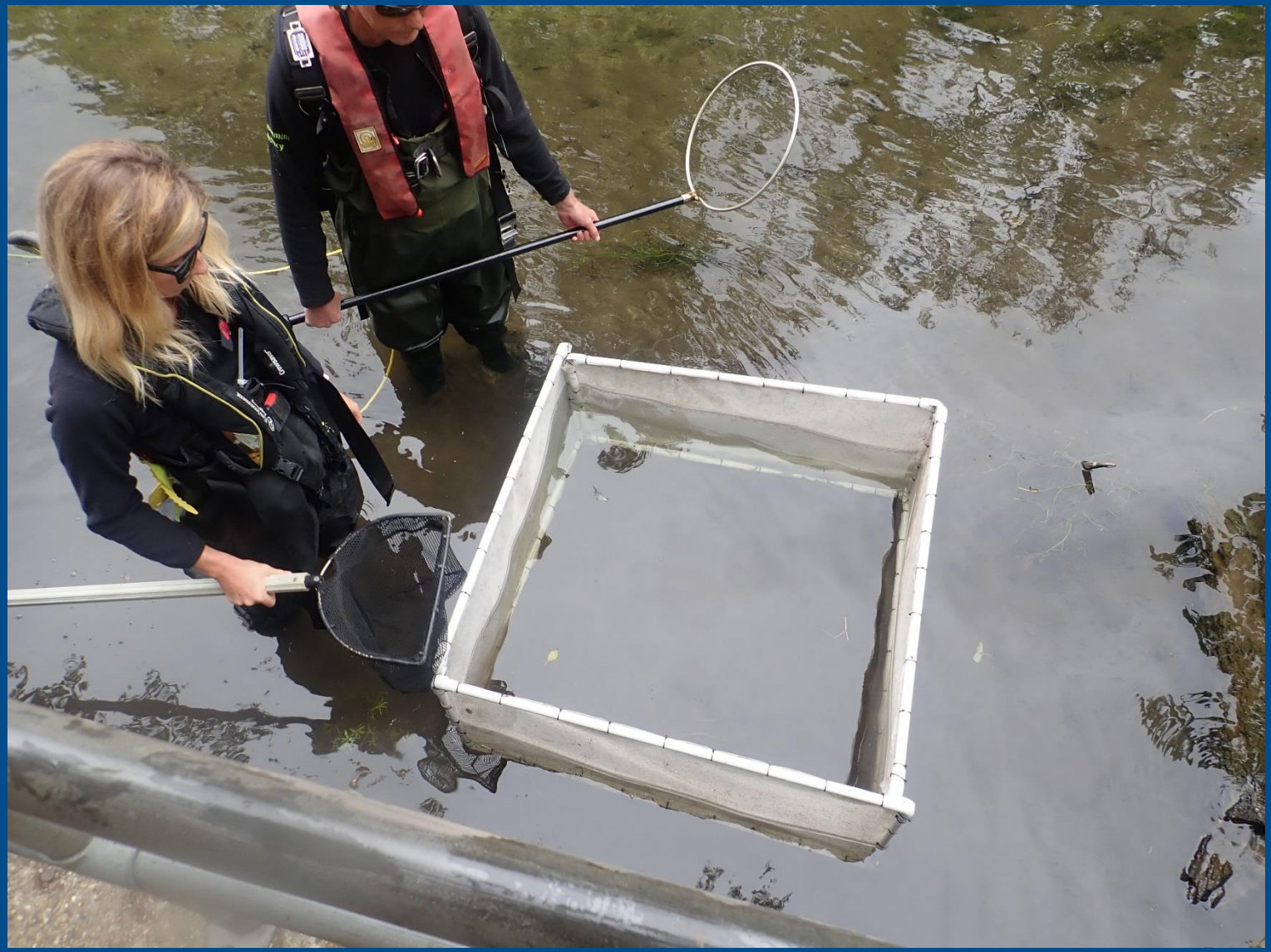

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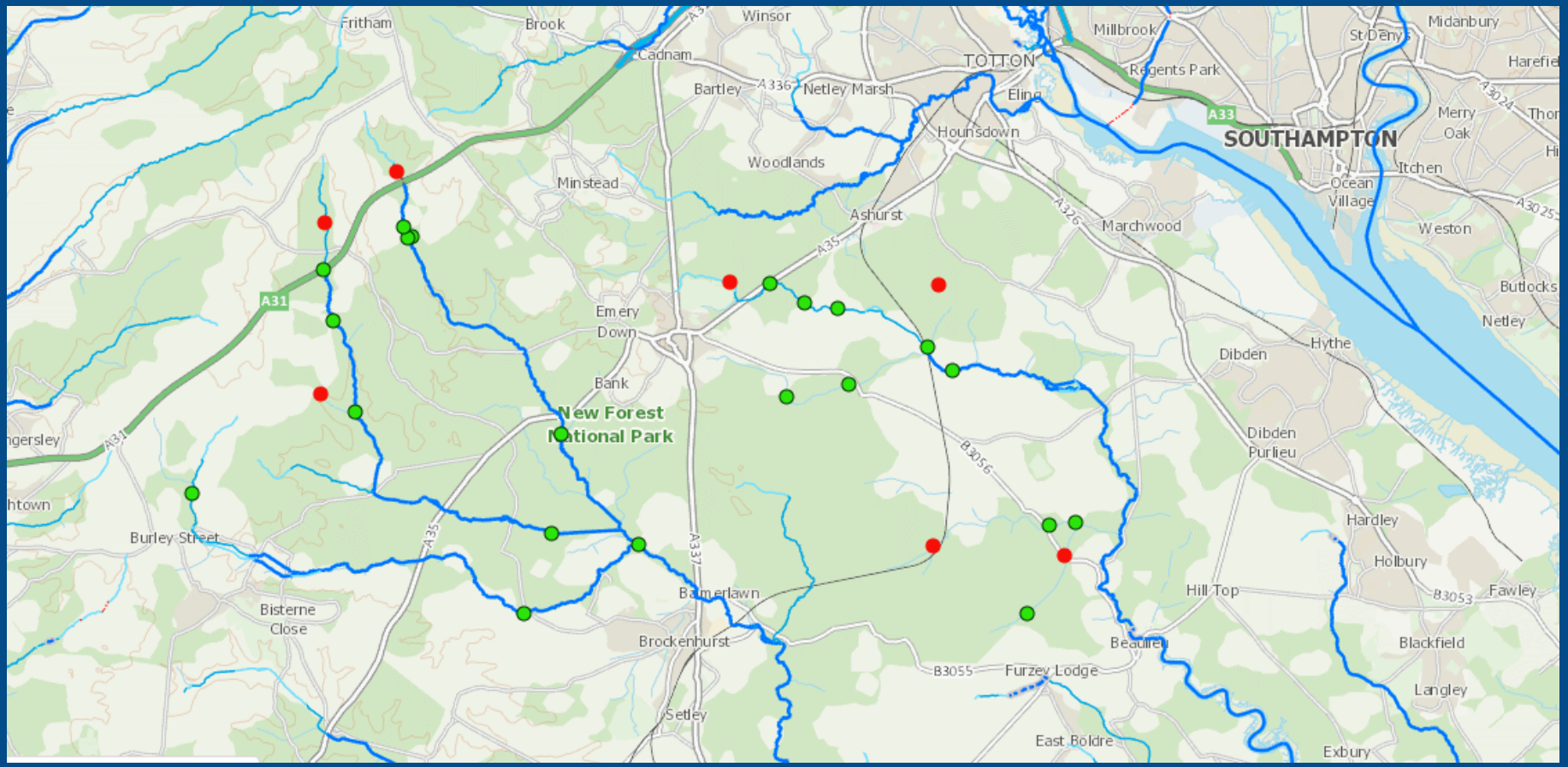
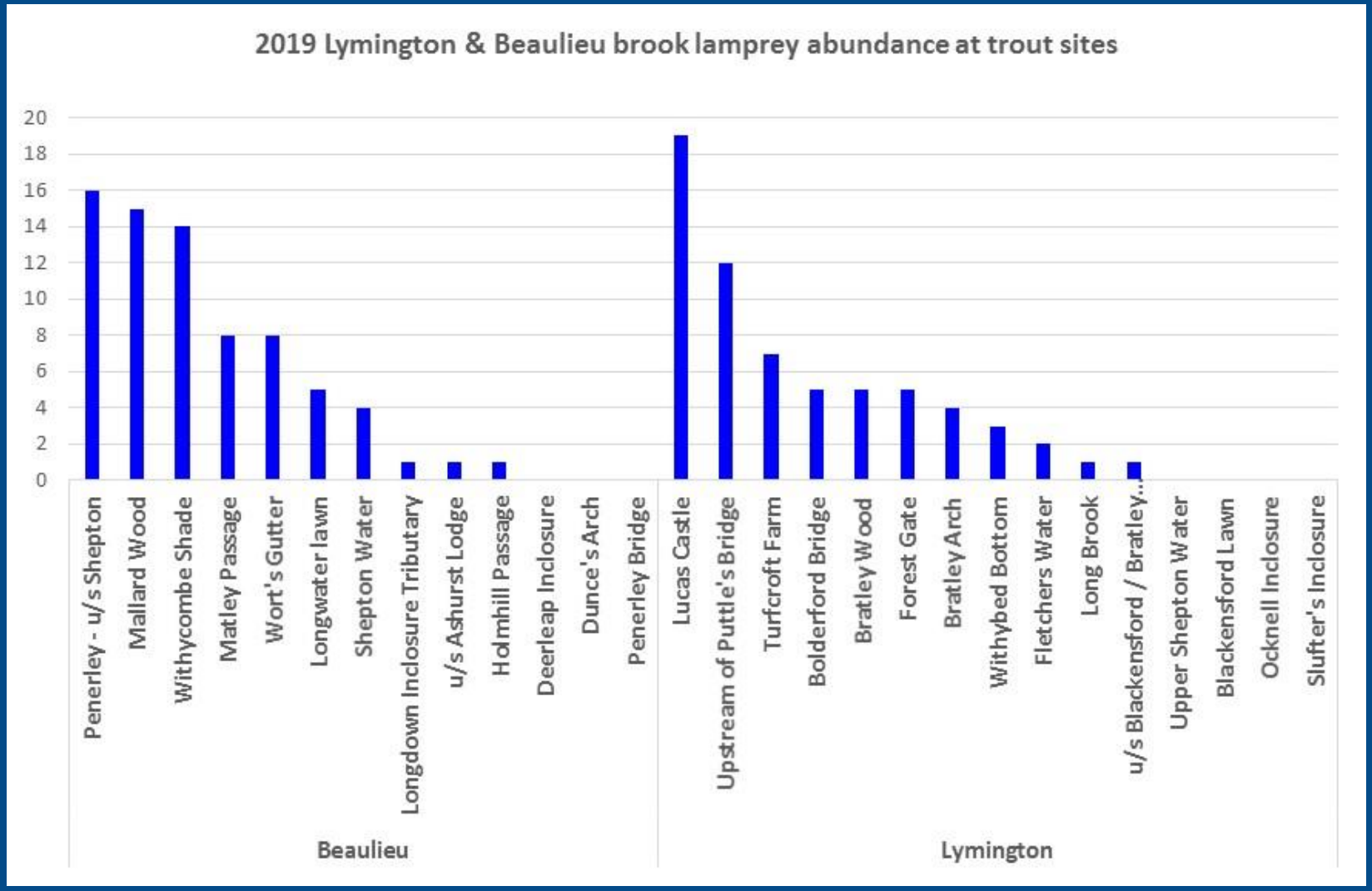
Brook lamprey presence / absence; 2019 juvenile brown trout surveys:




2019 Lymington & Beaulieu brook lamprey abundance at trout sites
20
18
16
14
12
10
8
6
4
2
0
Penerley - u/s Shepton
Mallard Wood
Withycombe Shade
Matley Passage
Wort's Gutter
Longwater lawn
Shepton Water
Longdown Inclosure Tributary
u/s Ashurst Lodge
Holmhill Passage
Deerleap Inclosure
Dunce's Arch
Penerley Bridge
Lucas Castle
Upstream of Puttle's Bridge
Turfcroft Farm
Bolderford Bridge
Bratley Wood
Forest Gate
Bratley Arch
Withybed Bottom
Fletchers Water
Long Brook
u/s Blackensford / Bratley...
Upper Shepton Water
Blackensford Lawn
Ocknell Inclosure
Slufter's Inclosure
Beaulieu
Lymington

- *Ecological requirements:*

- *Water quantity*
- *Water quality*
- *Habitat complexity*

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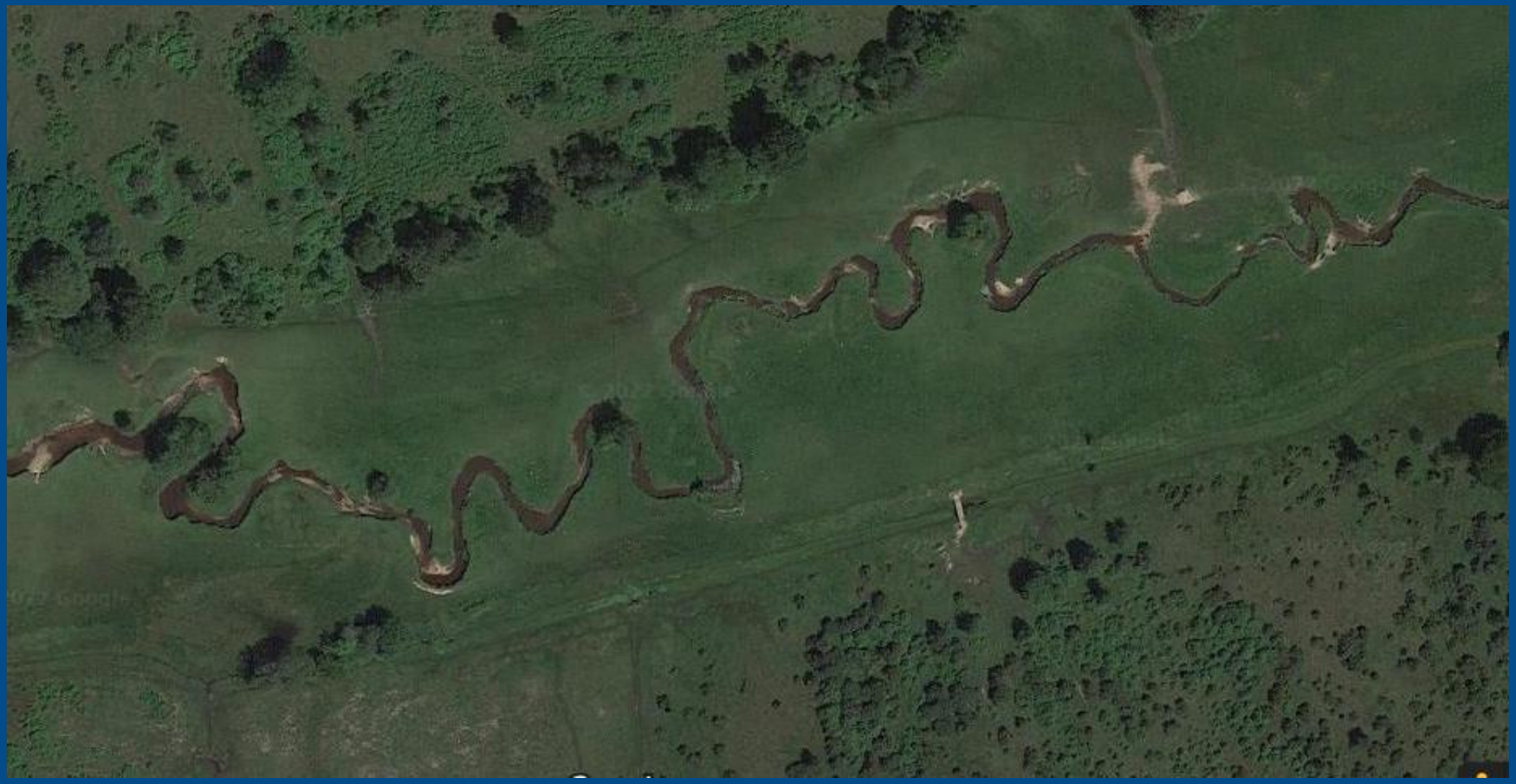

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- *Pressures*

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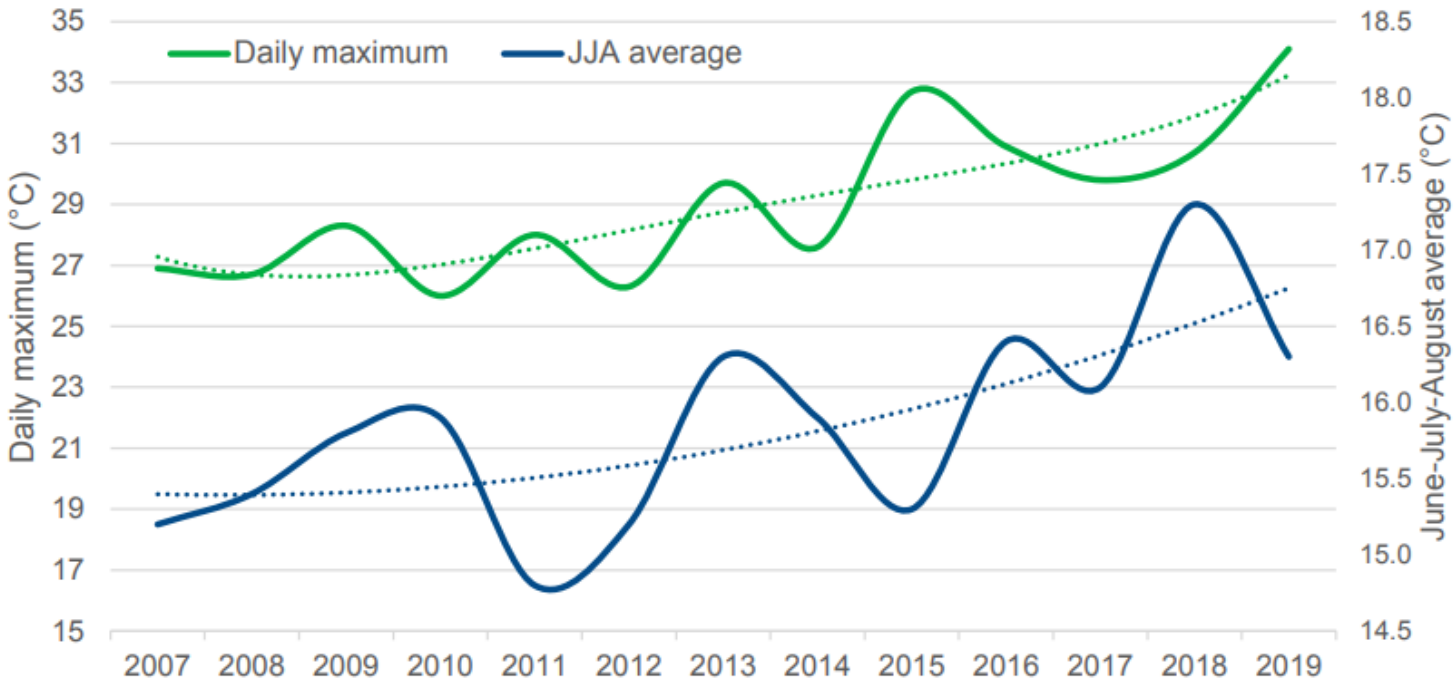

Figure New Forest 6: Daily maximum and mean summer CET (Hadley), 2007-2019

- *The spectacle of spawning:*

27th March, 2022

Somewhere on the Ober Water……