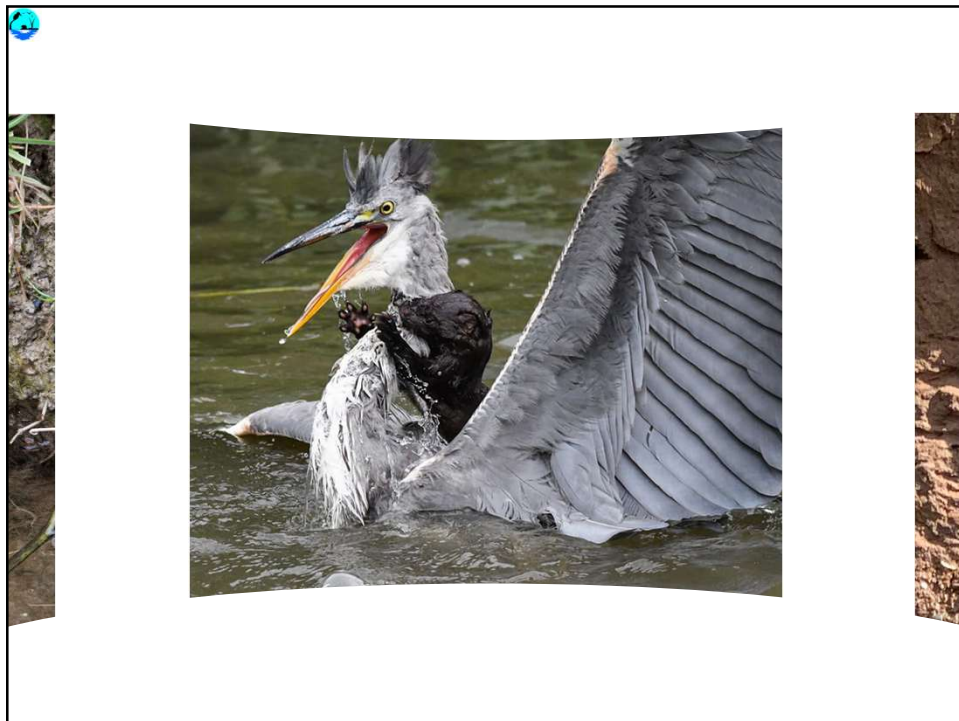
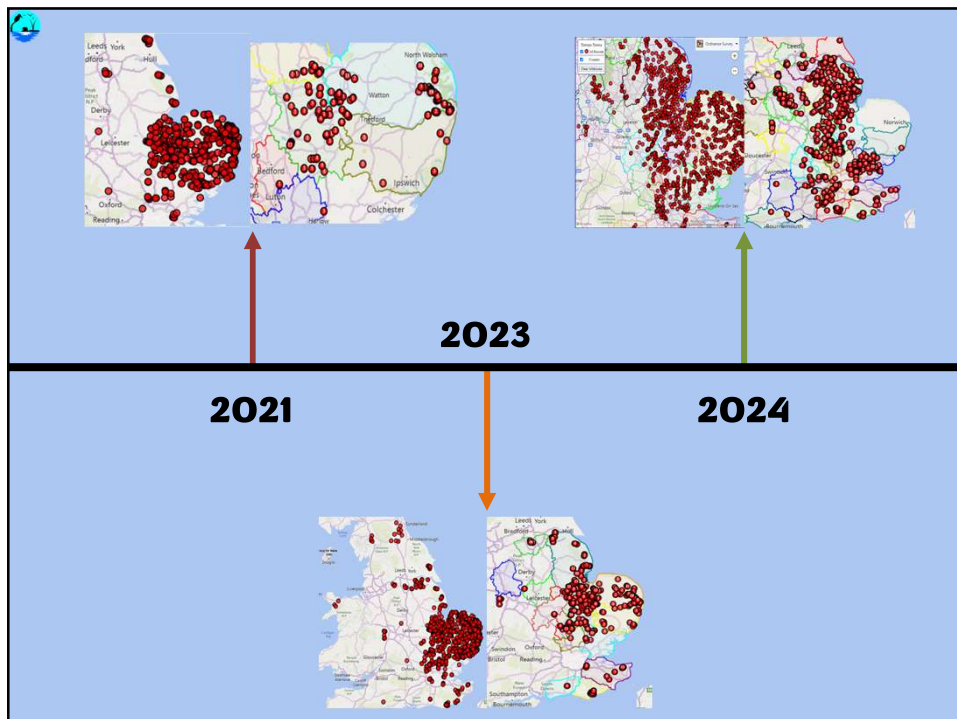
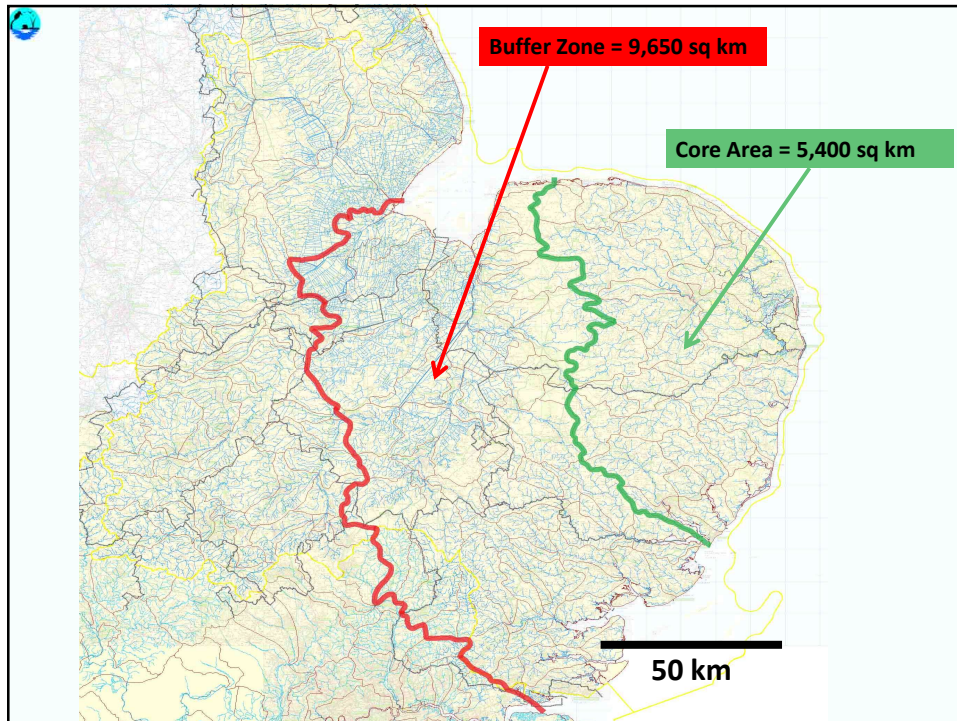
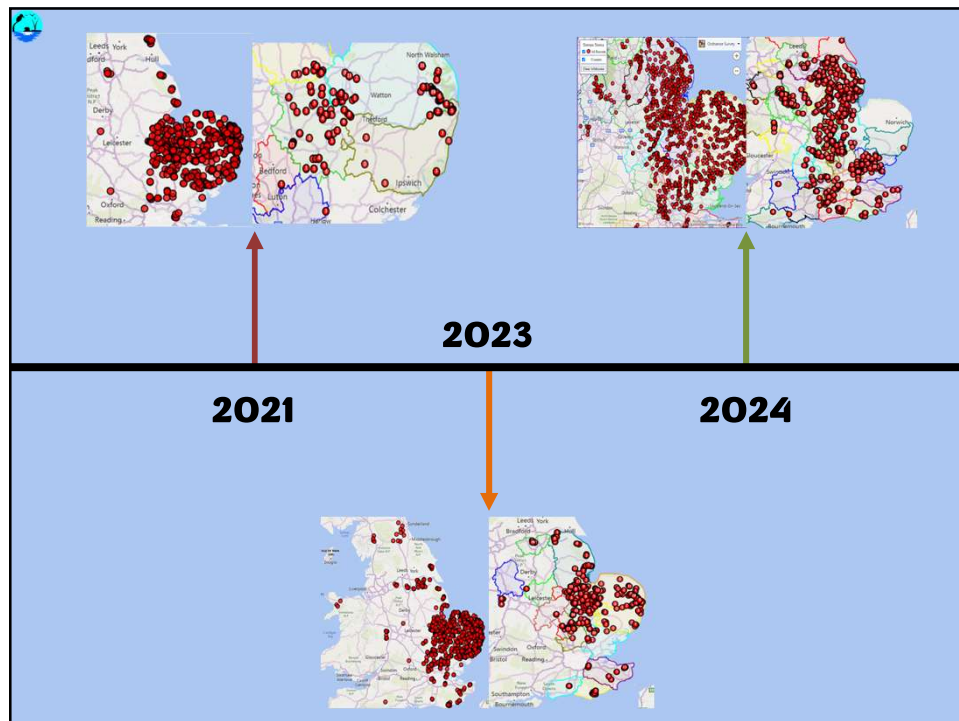
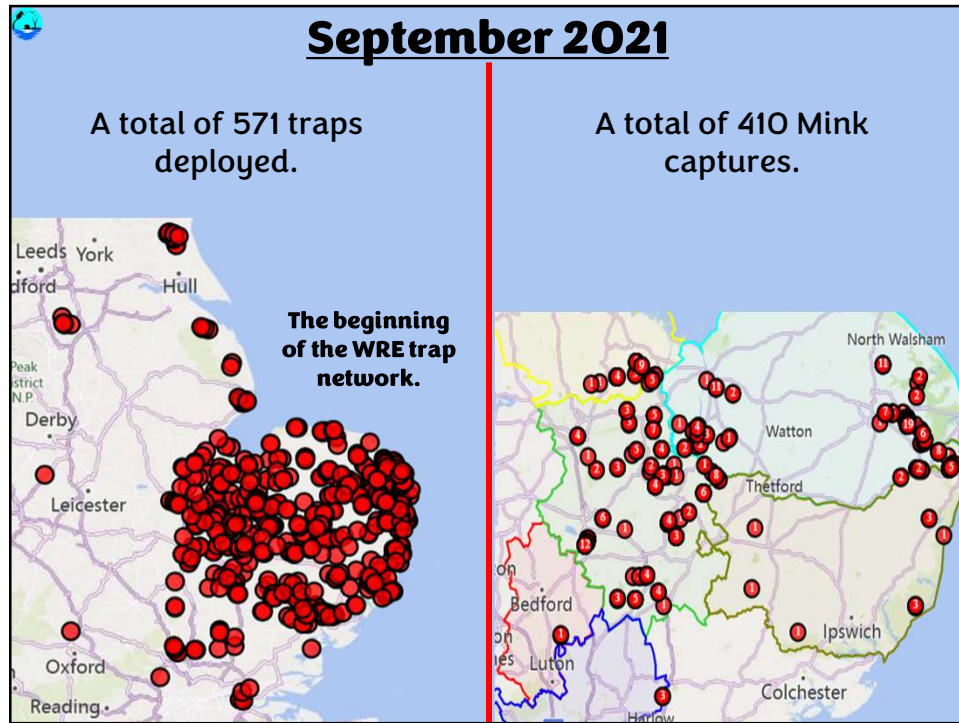
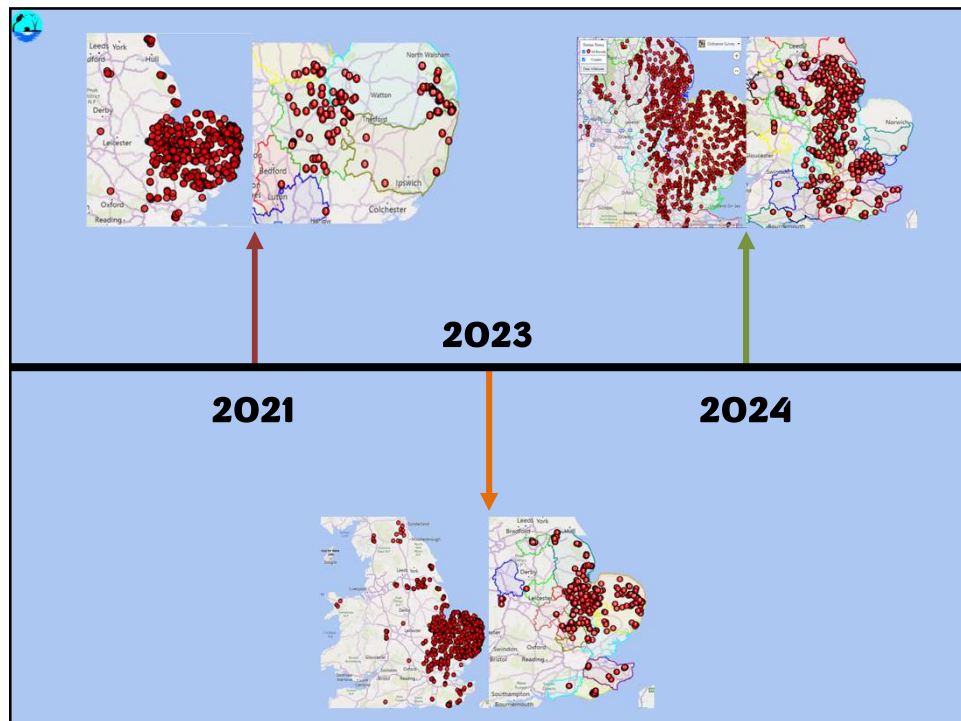
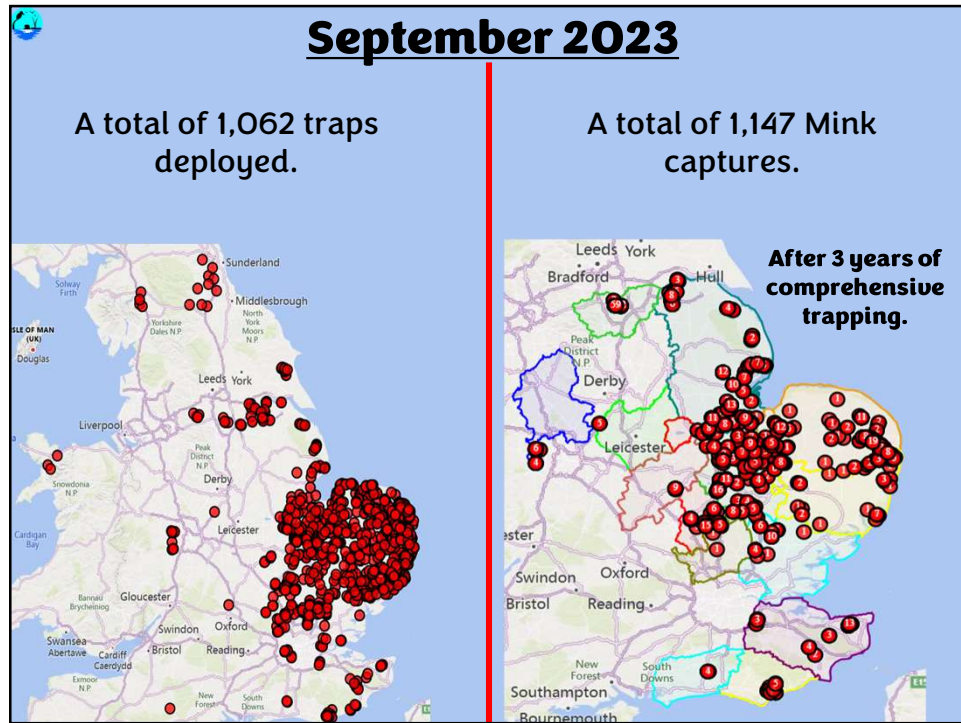


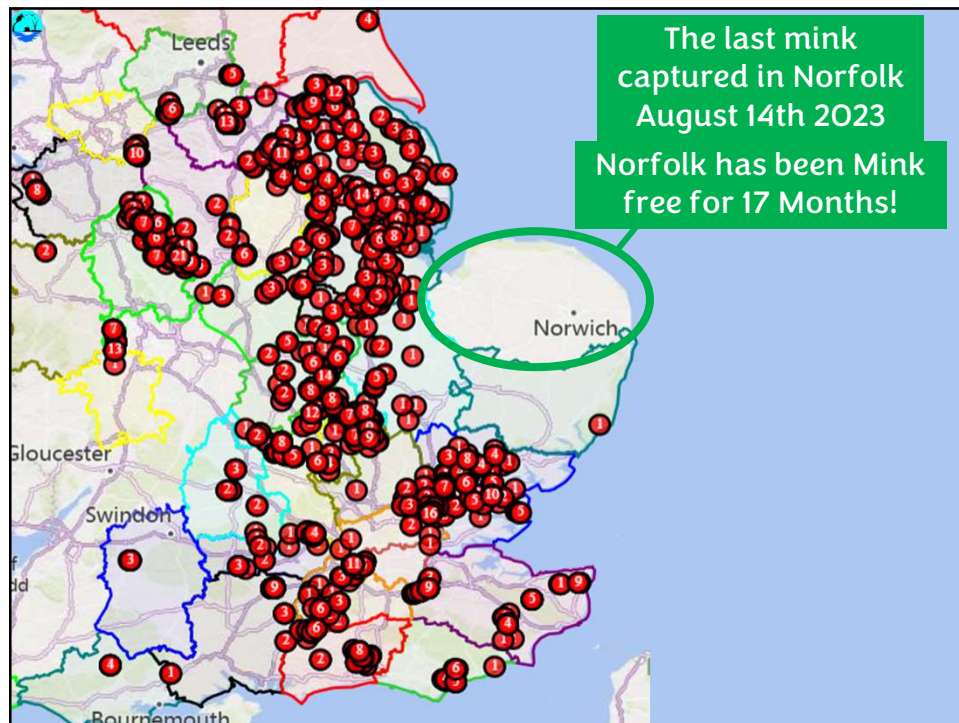
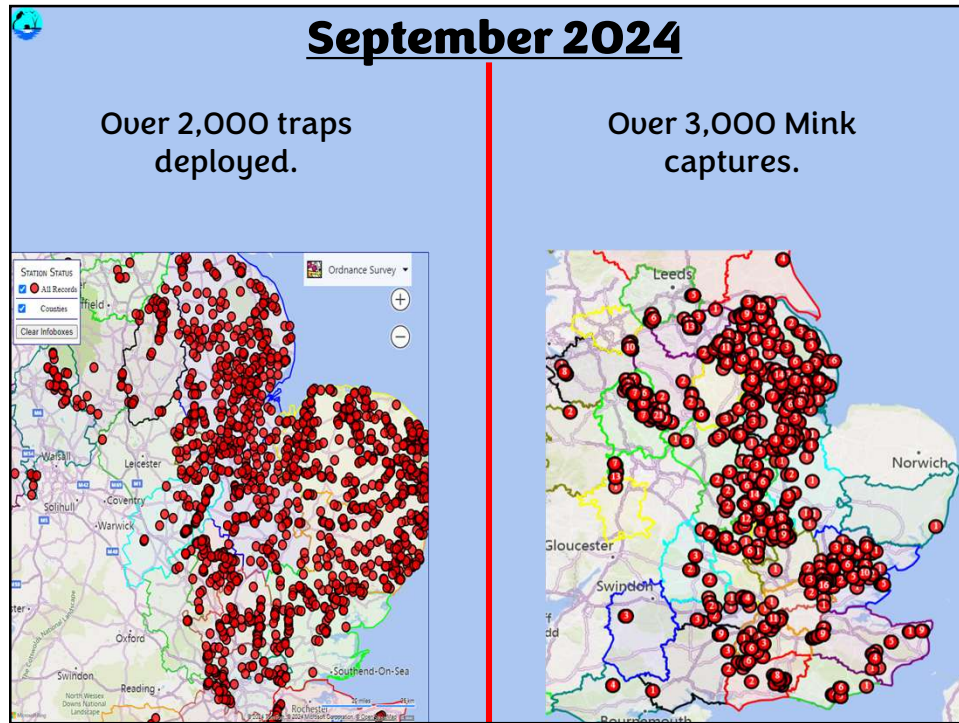














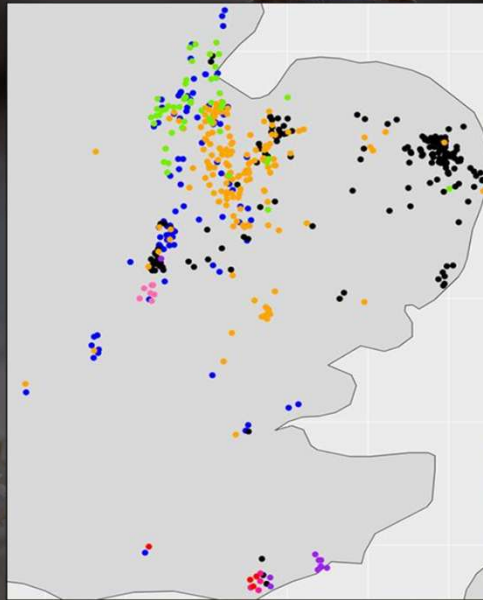
Mitochondrial DNA haplotypes

A haplotype is a set of DNA variants along a single chromosome that tend to be inherited together.

Multiplex's give mother/father sibling DNA

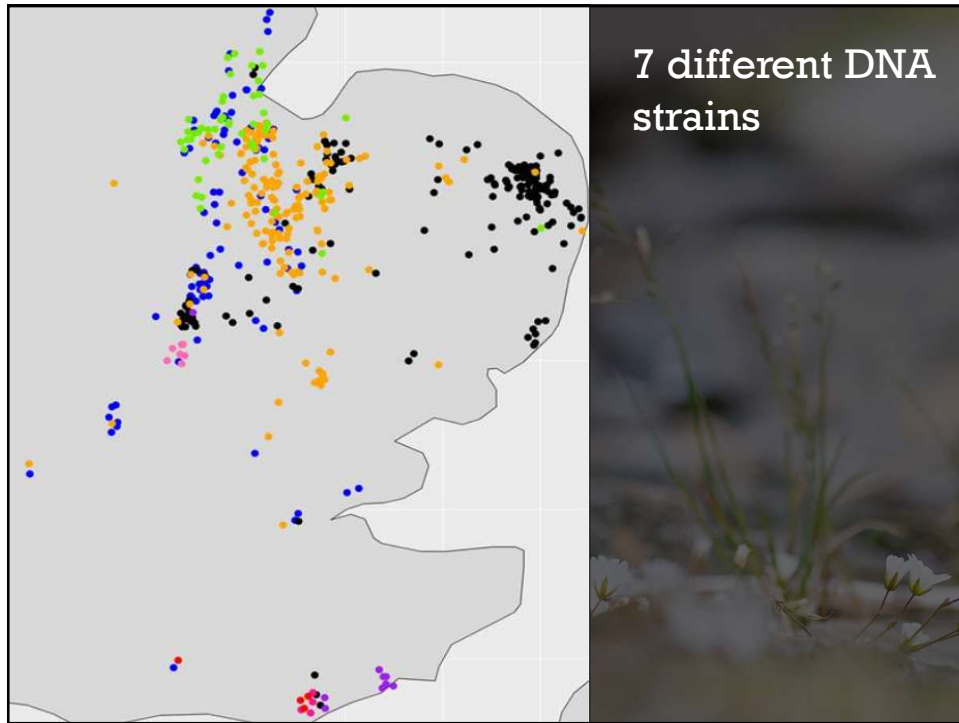
By gathering this data we can see which located Mink are related and where the 'family' has travelled.

Mitochondrial DNA haplotypes

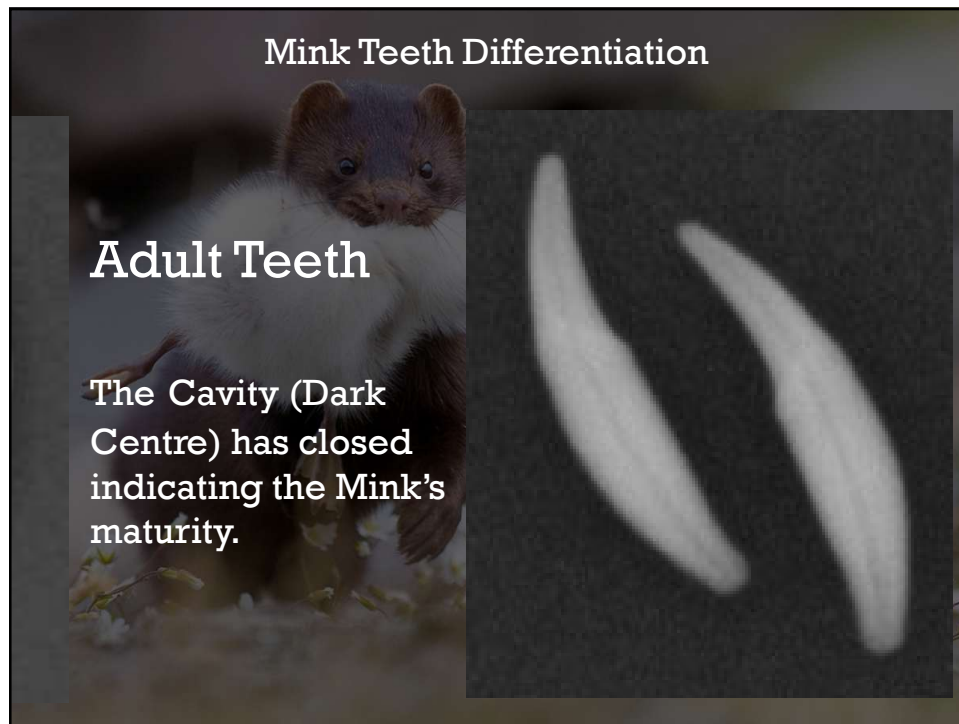


A haplotype is a set of DNA variants along a single chromosome that tend to be inherited together.

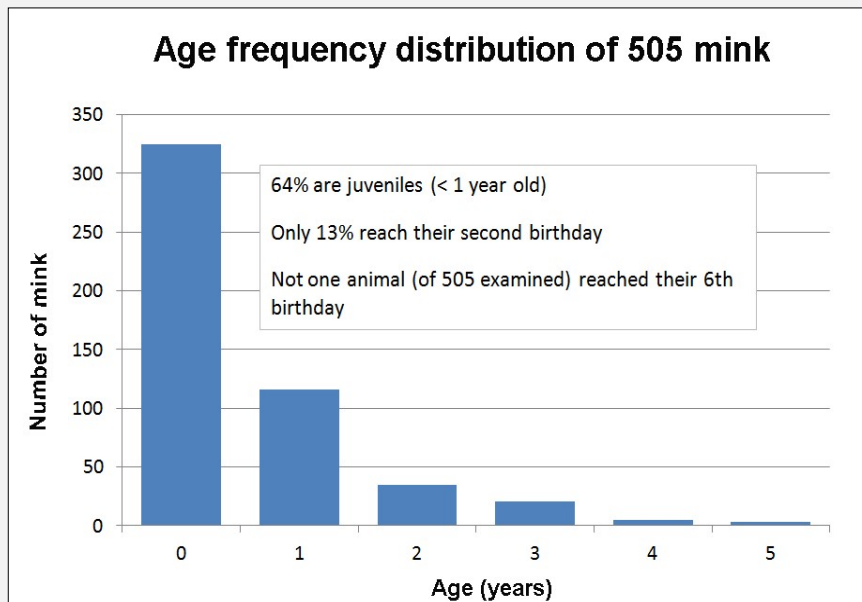
By gathering this data we can see which Mink are related and how far the 'family' has travelled.



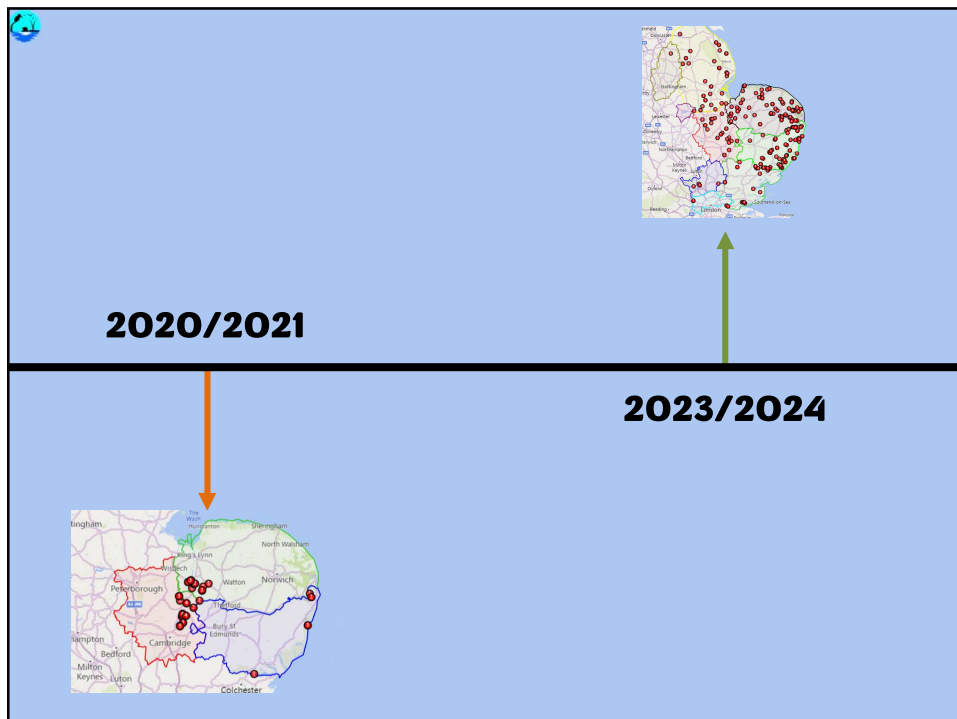


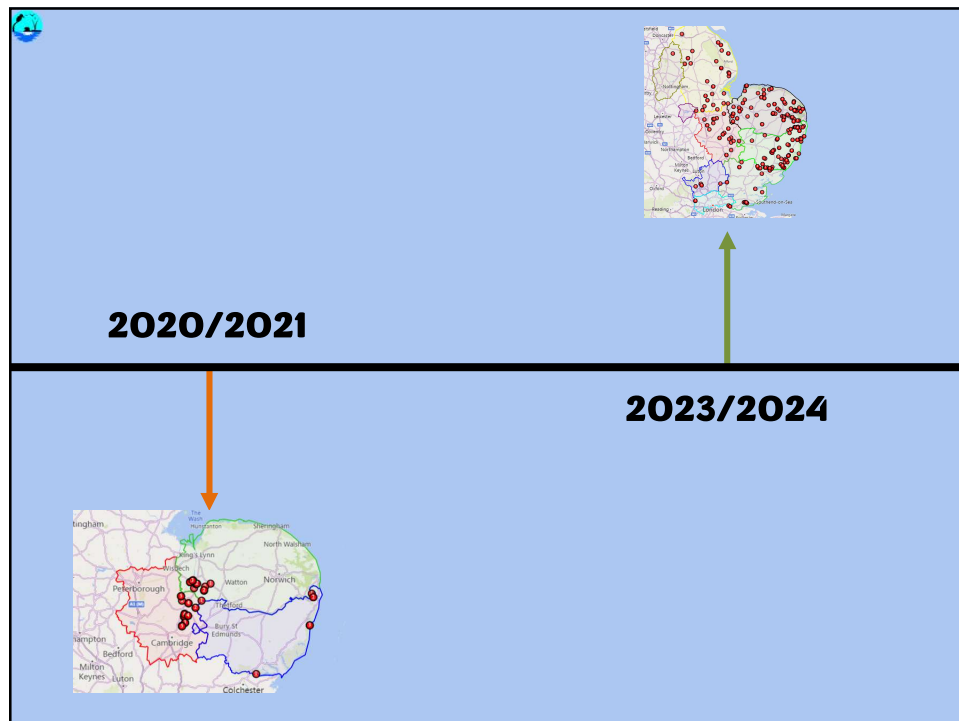
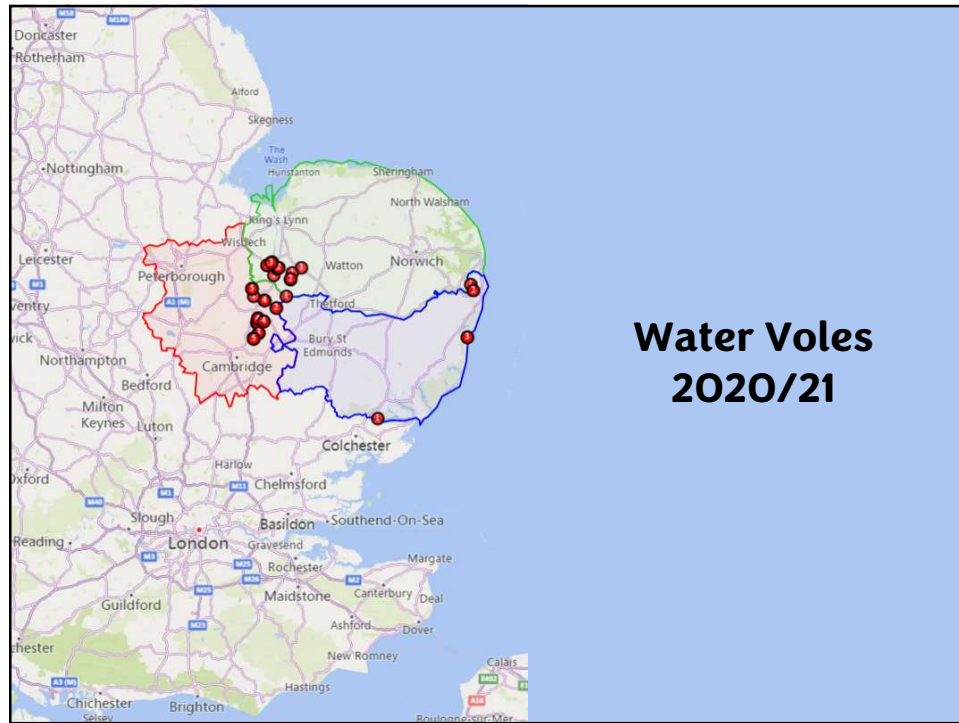


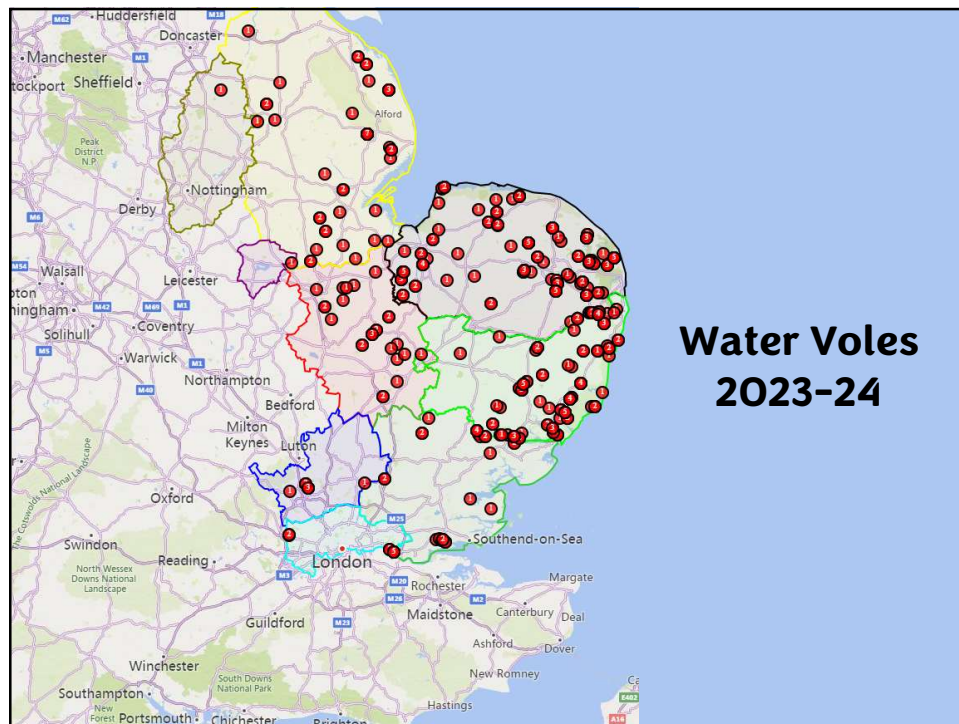
What does this tell us?



How have we helped the endangered Water Vole population?







Key take home messages

- Mink eradication is achievable, more rapidly, more easily than anyone imagined.
- Reproduction stops within 4 years of comprehensive trap coverage.
- Most mink don't move far. This is why catches always drop within a year.
- Re-invasion will occur unless trapping covers a very large area.
- By working collaboratively we have a better chance of proper funding and achieving success.
- Water voles and moorhens come bounding back with no further intervention. Introducing farmed WVs reduces genetic diversity of British population and can only damage long-term viability.

