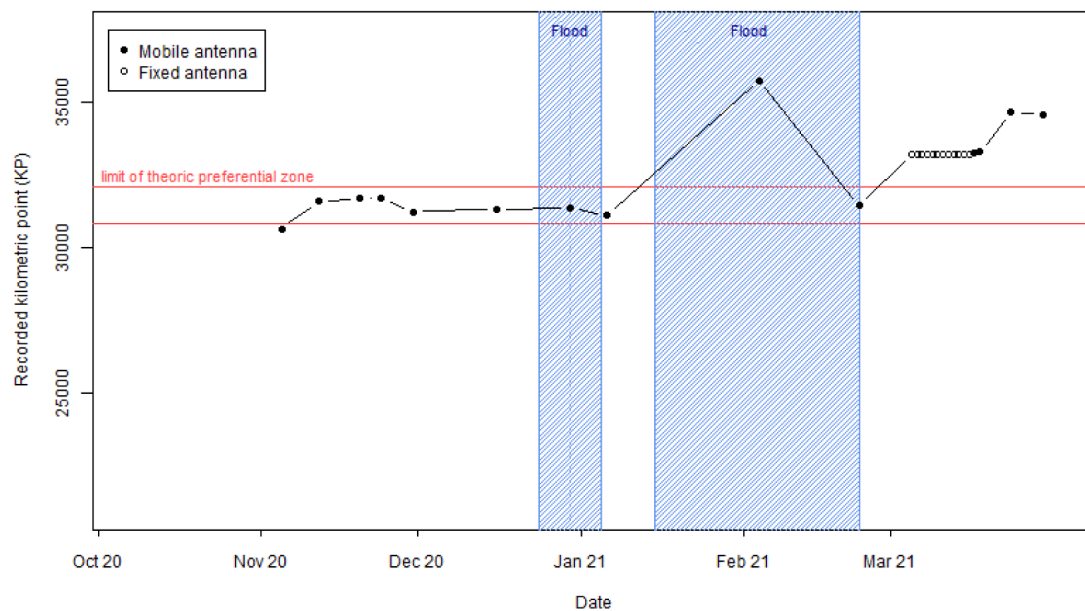


**On line Appendix. – Classification of the monitored pike according to their behaviour during floods.**

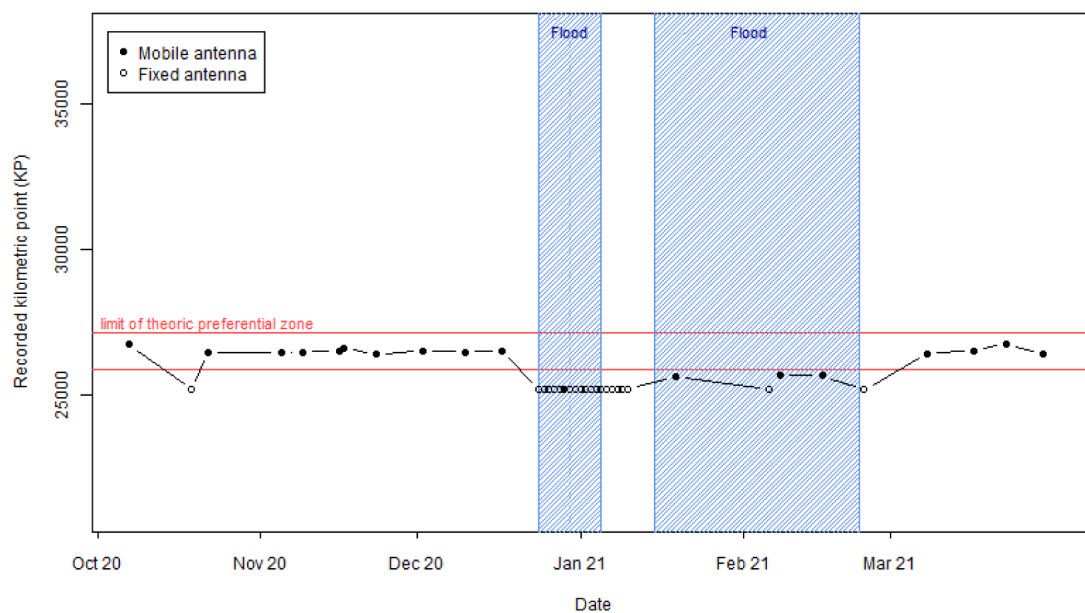
Behaviour	During floods	After floods	Number
Explorer	Research for new habitat ( $\geq 50\%$ fixes out of "zone")	Return to original zone (+/- 632 m)	9
Departed	Research for new habitat ( $\geq 50\%$ fixes out of "zone")	No return to original zone (> 632 m)	5
Sedentary	No research for new habitat (< 50% fixes out of "zone")	Stay on original zone (+/- 632 m)	7
Predated			2
Disappeared before flood			1
Insufficient data			4
Untypical behaviour			2

**Behaviour A: Explorers**

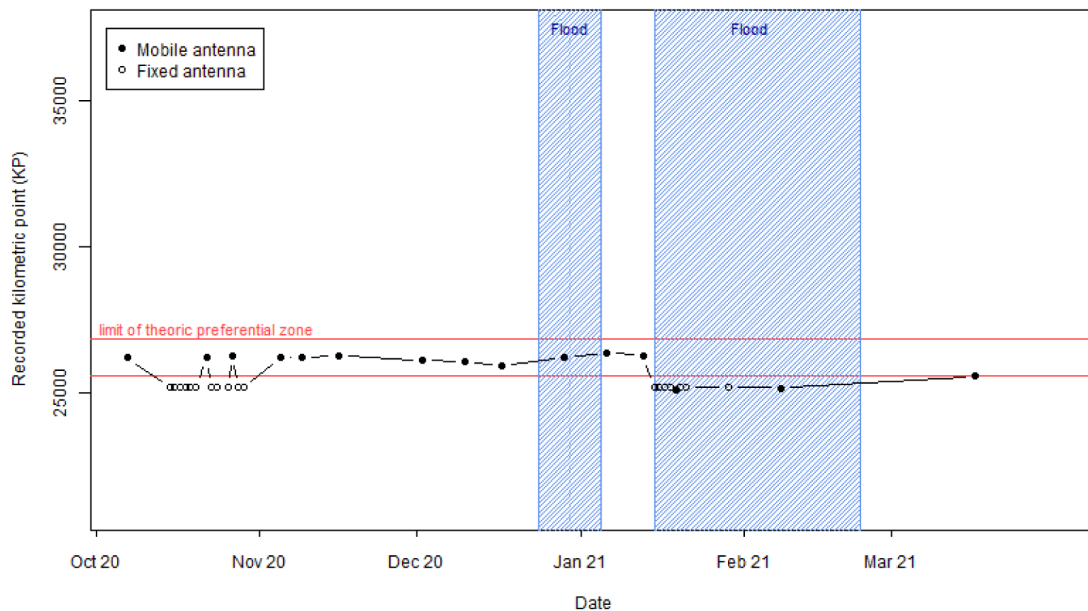
**Movements of the pike n°40**



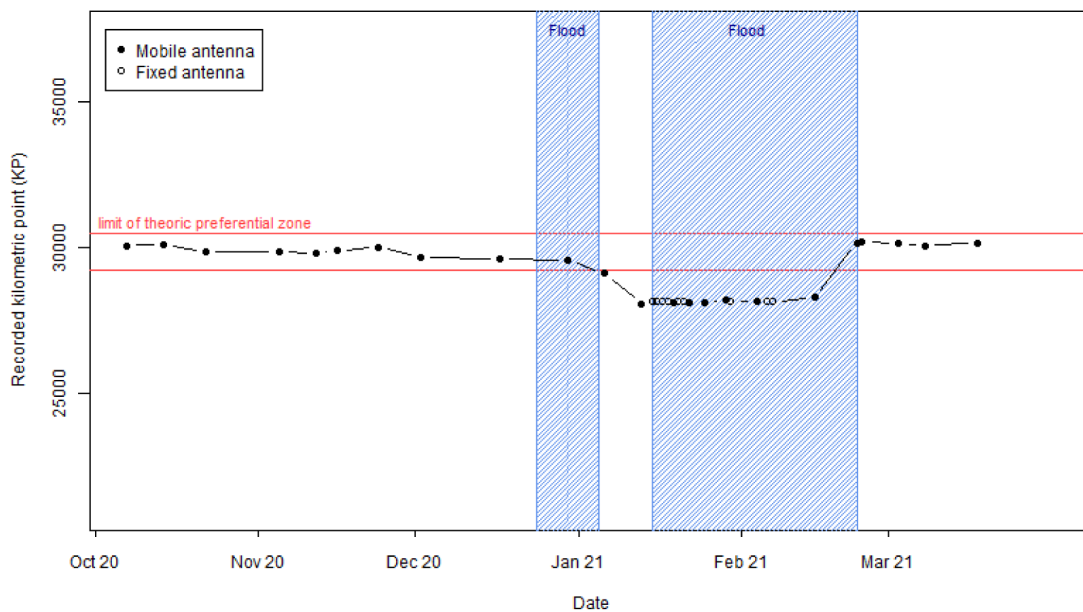
**Movements of the pike n°74**



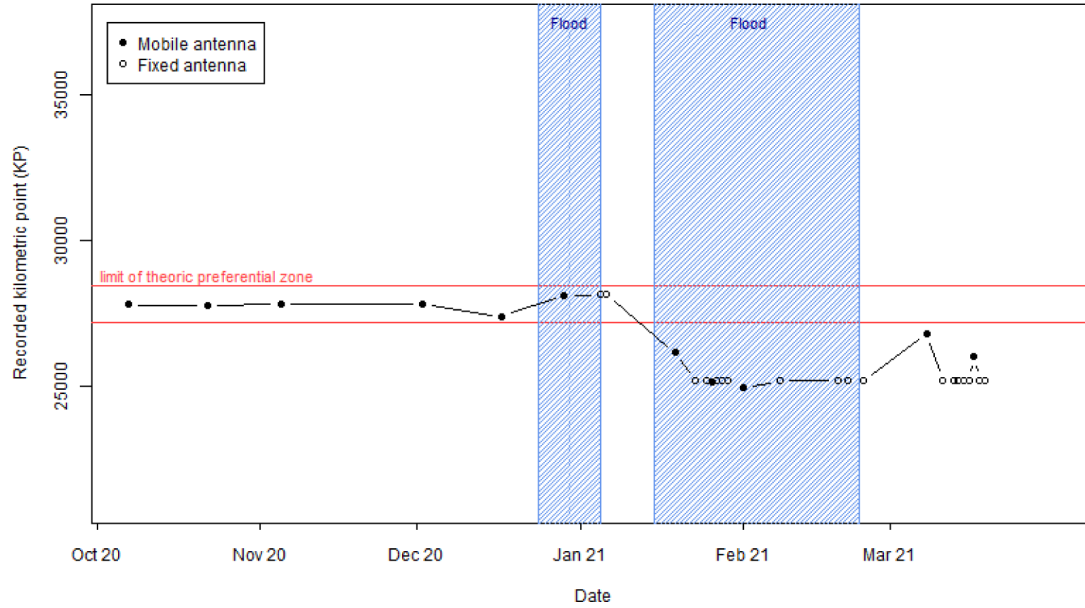
Movements of the pike n°89



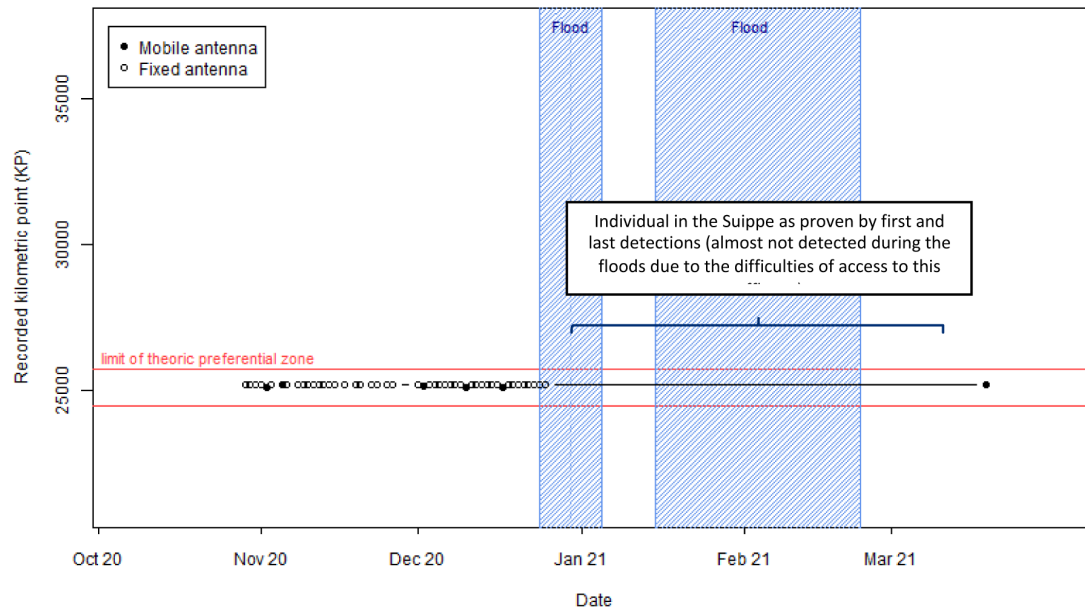
Movements of the pike n°101



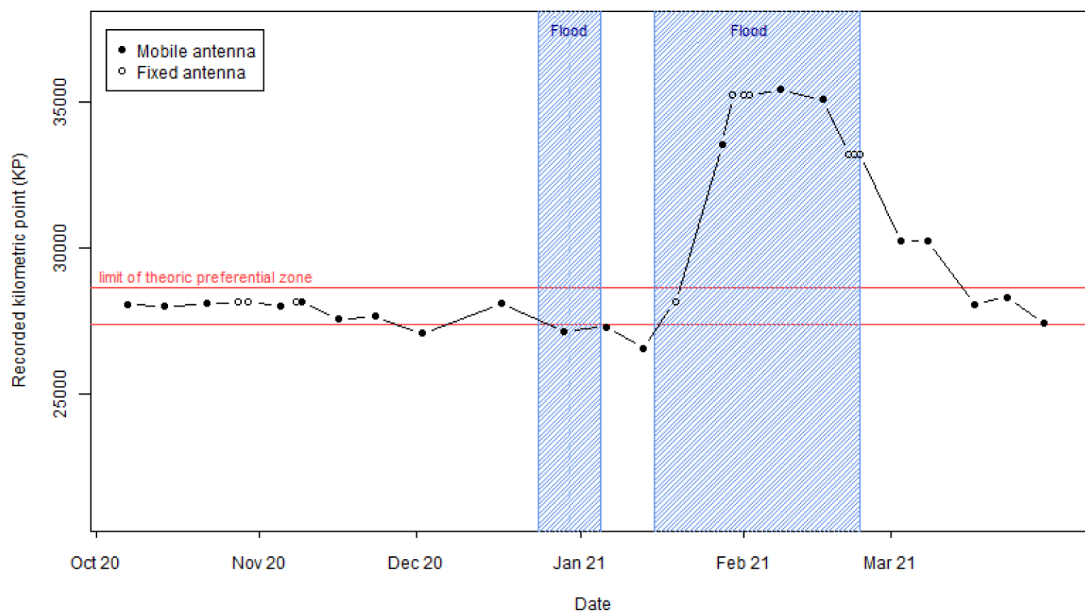
Movements of the pike n°122



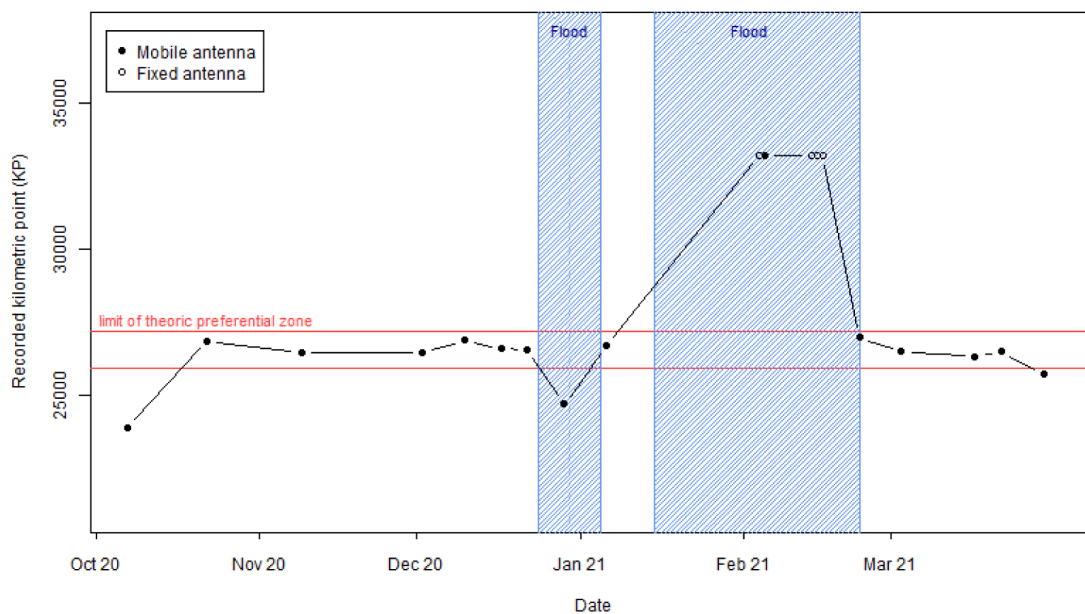
Movements of the pike n°150



Movements of the pike n°155

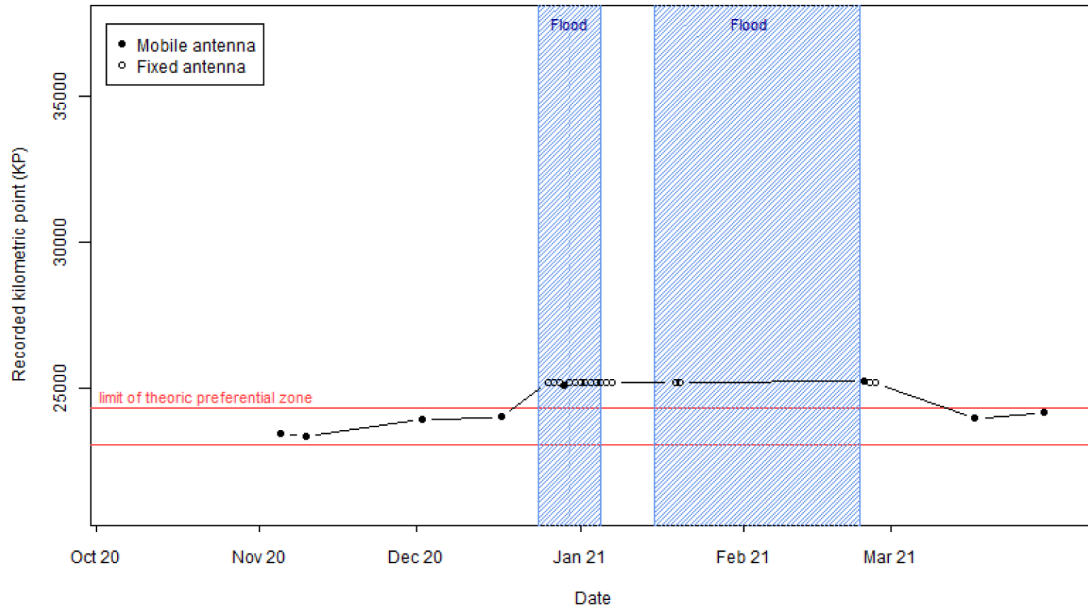


Movements of the pike n°164



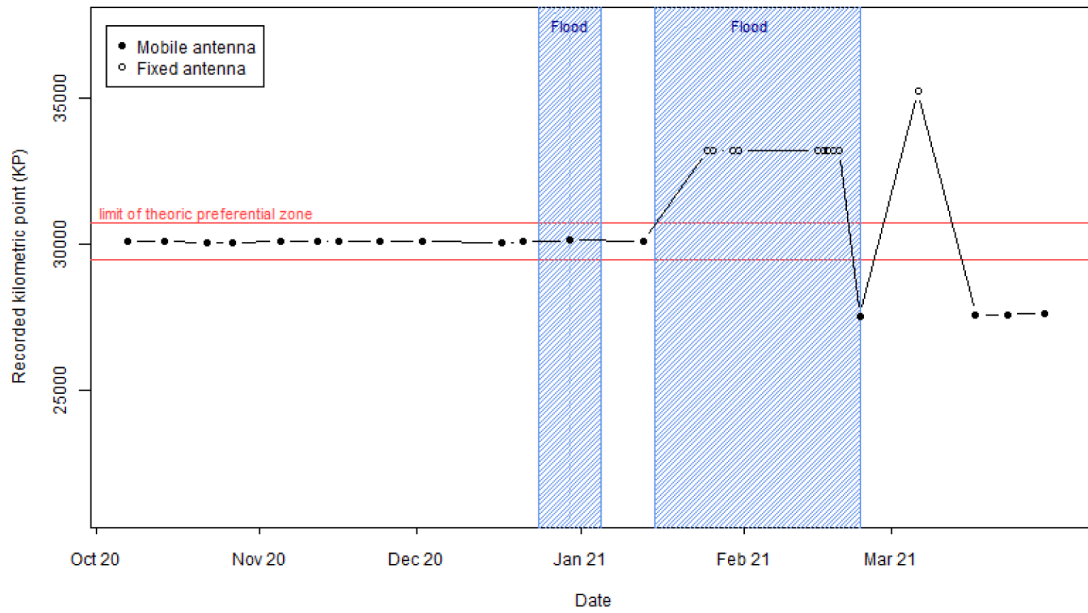


Movements of the pike n°200

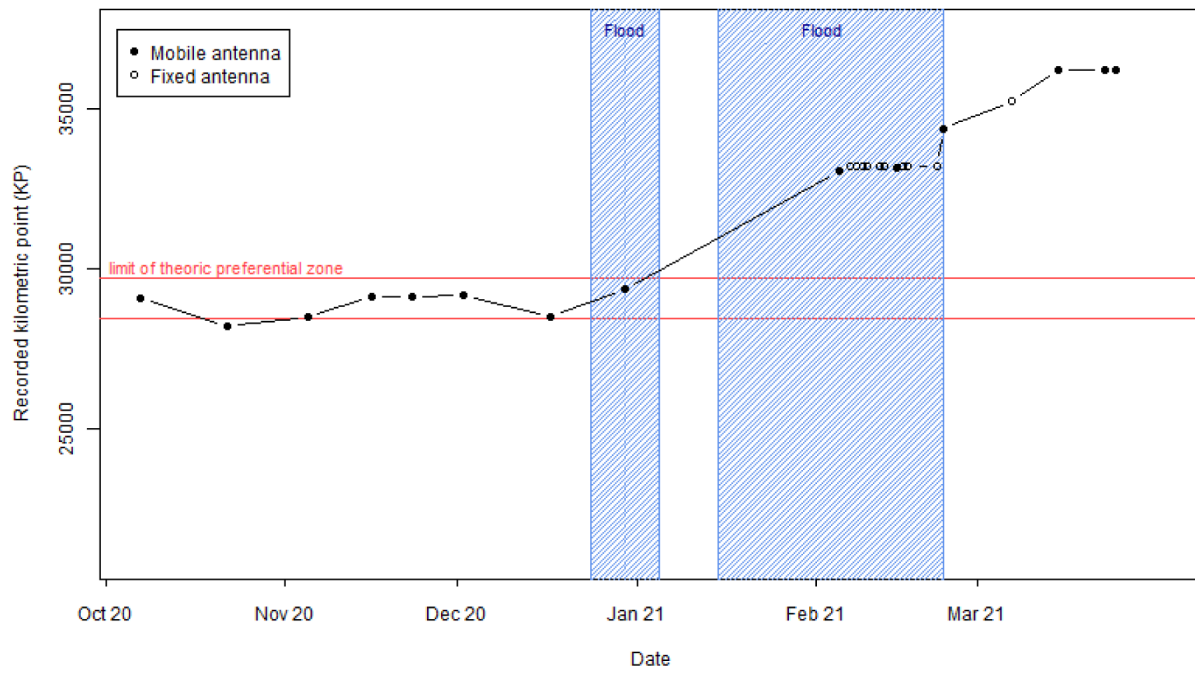


Behaviour B: Departed

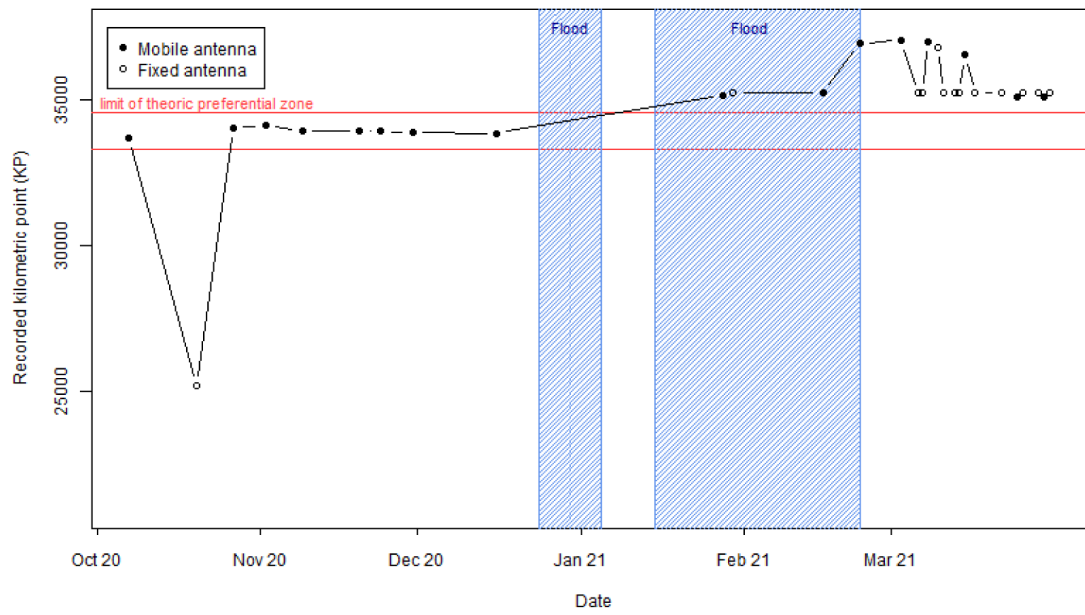
Movements of the pike n°52



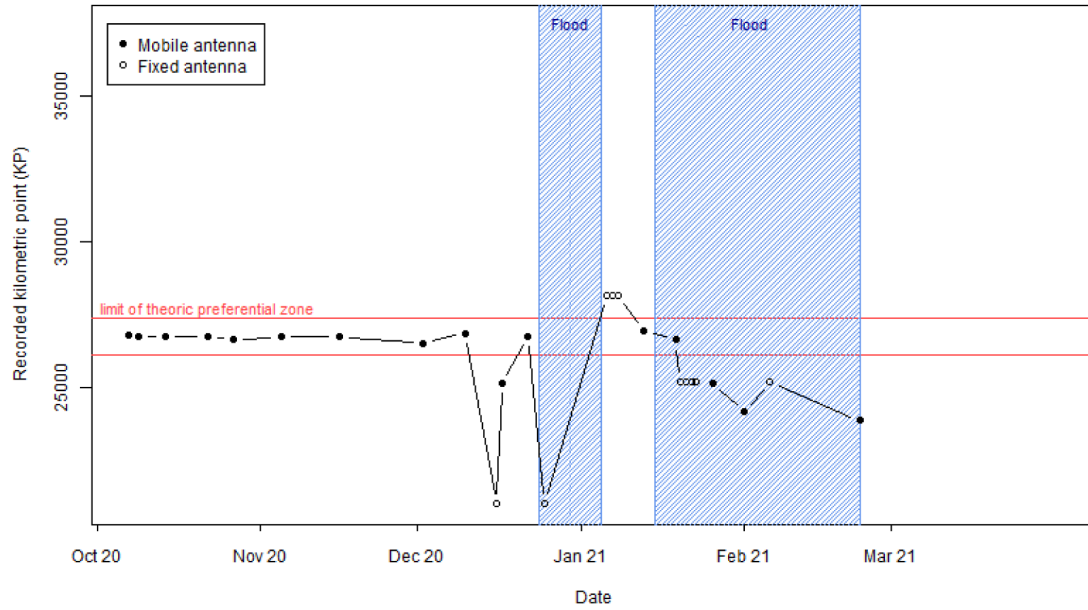
Movements of the pike n°83



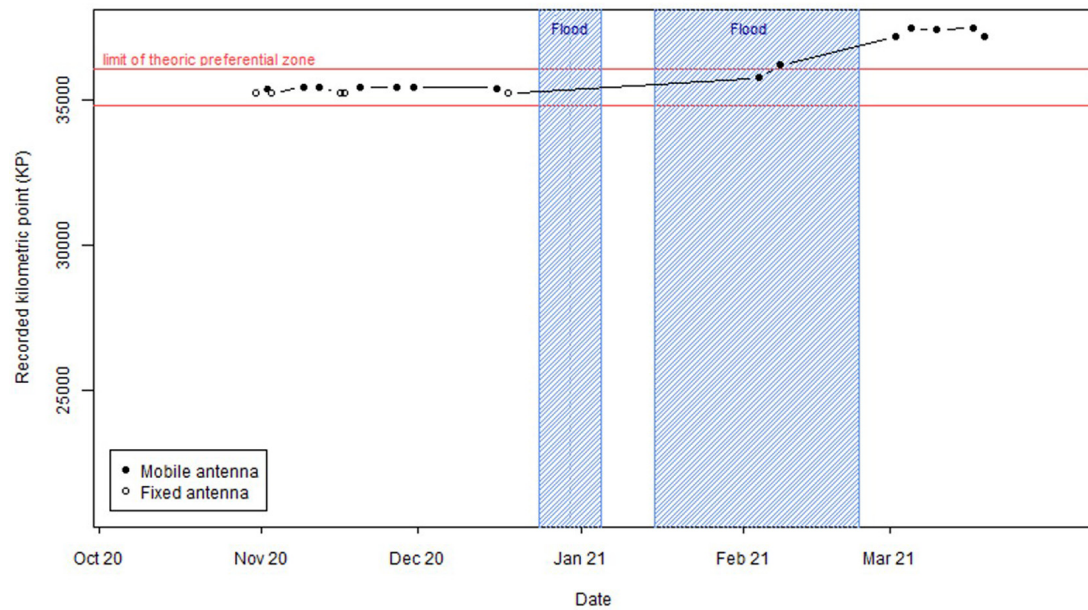
Movements of the pike n°90



Movements of the pike n°166

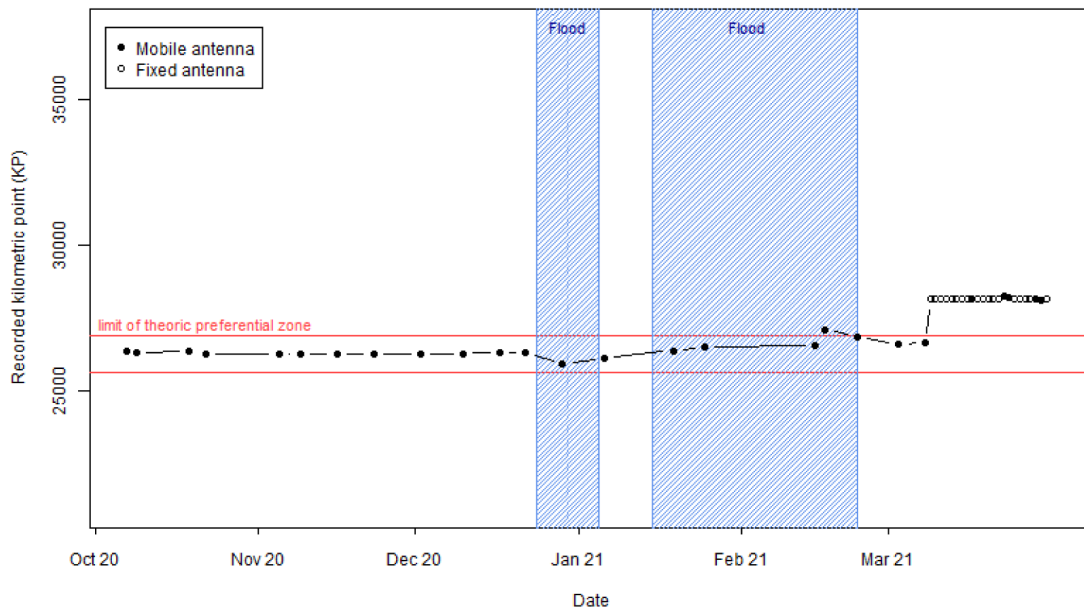


Movements of the pike n°181

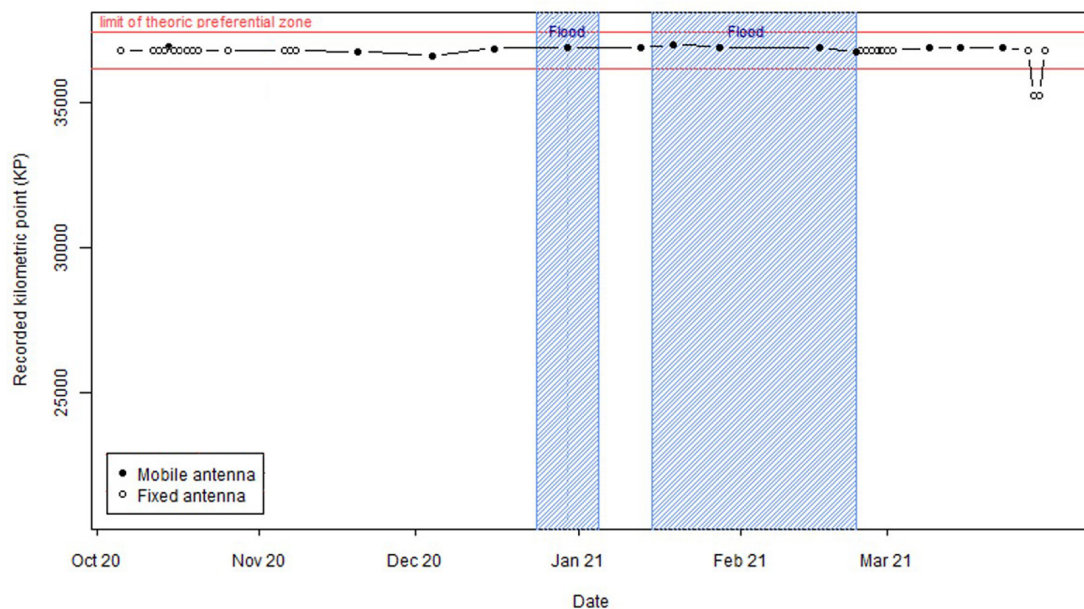


Behaviour C: Sedentary

Movements of the pike n°24

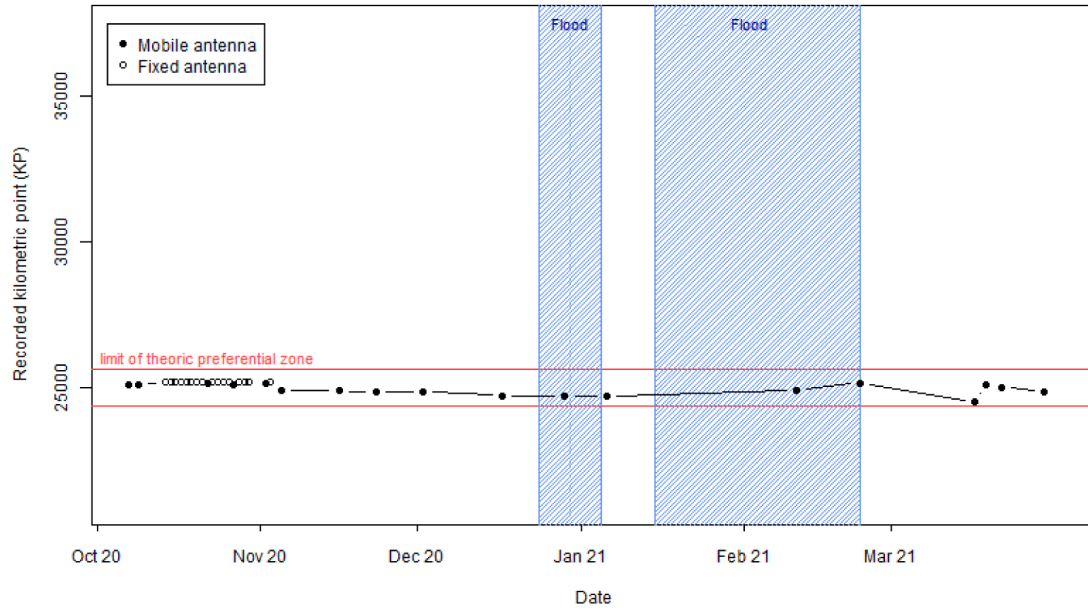


Movements of the pike n°53

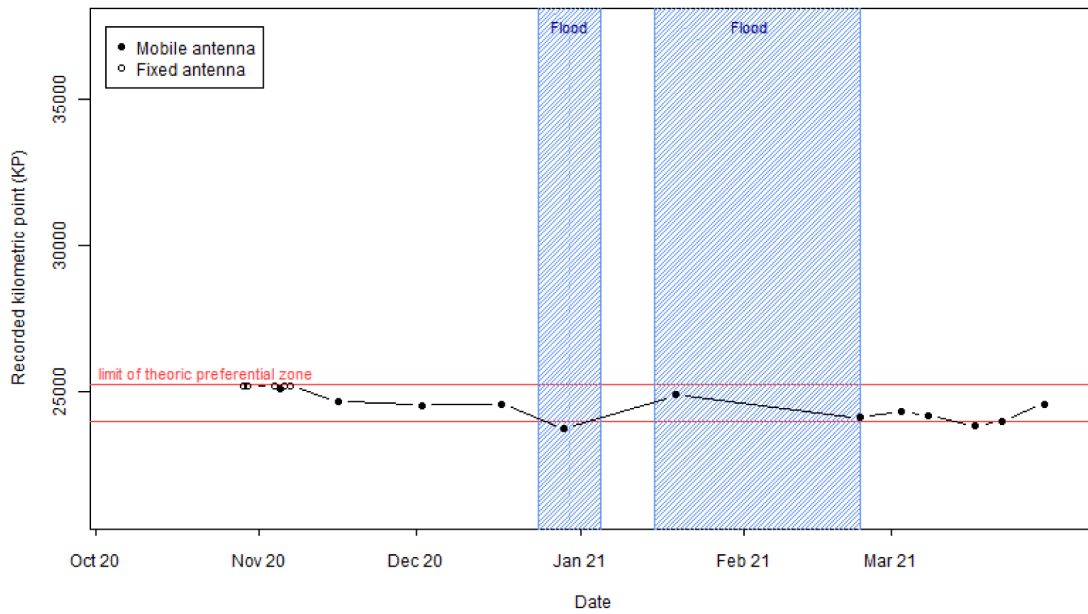




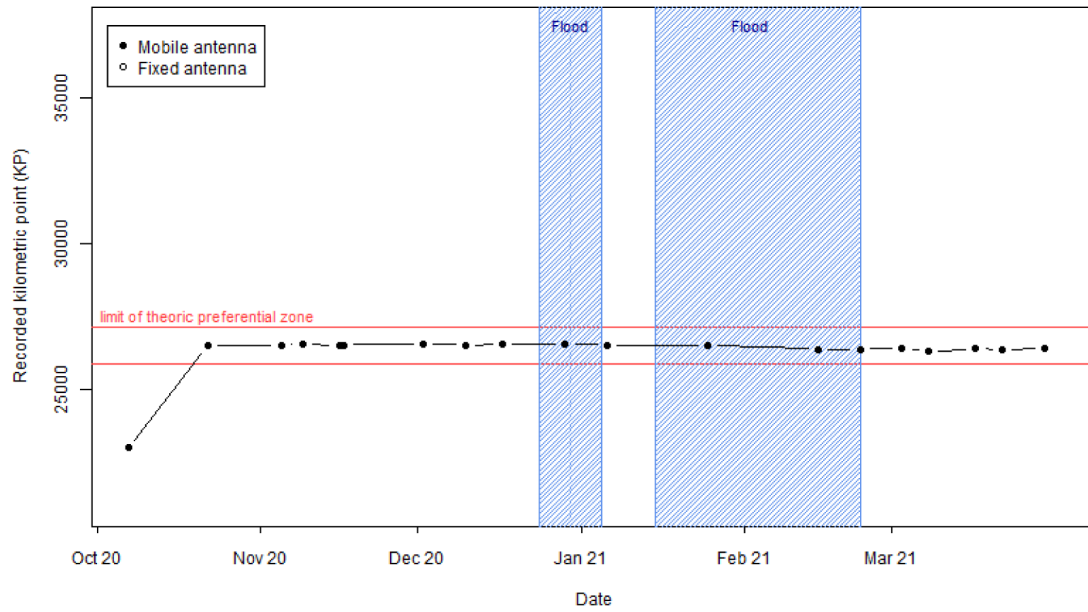
Movements of the pike n°63



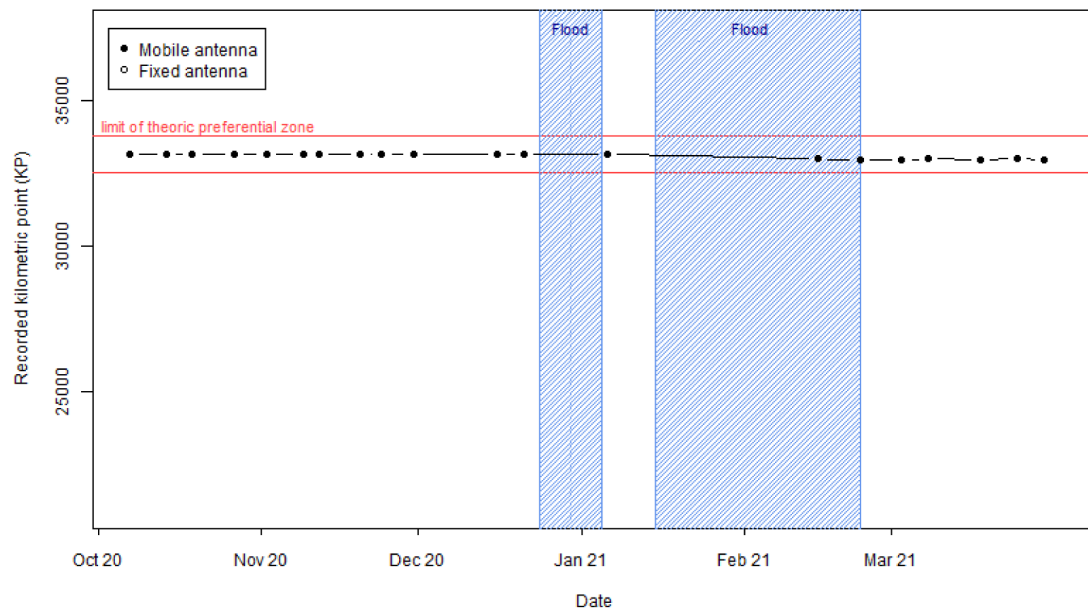
Movements of the pike n°93

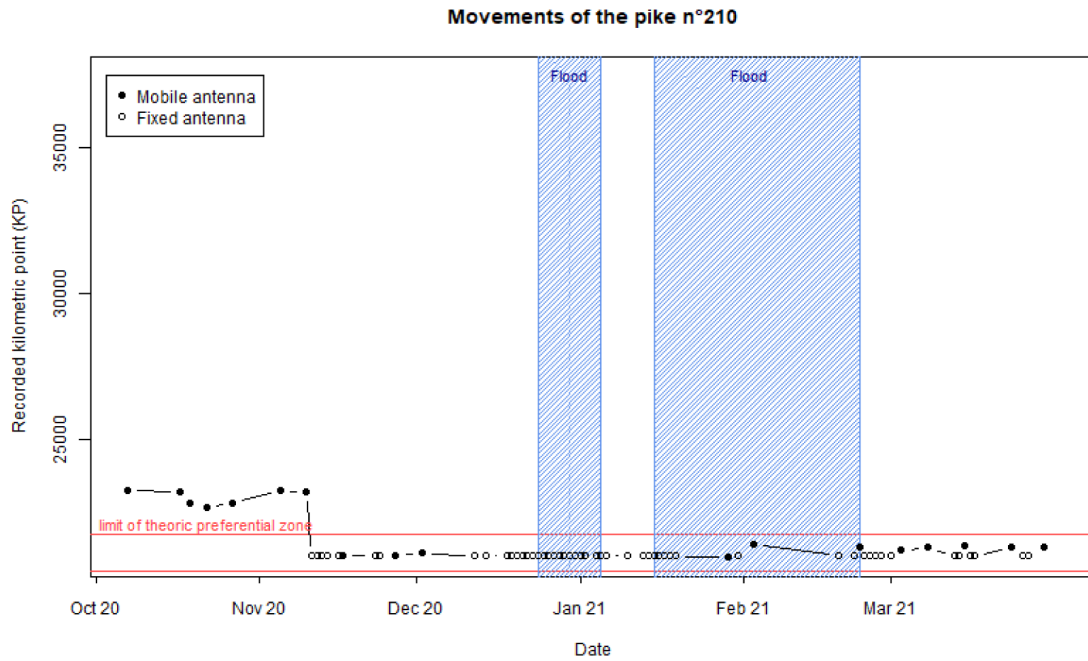


Movements of the pike n°111



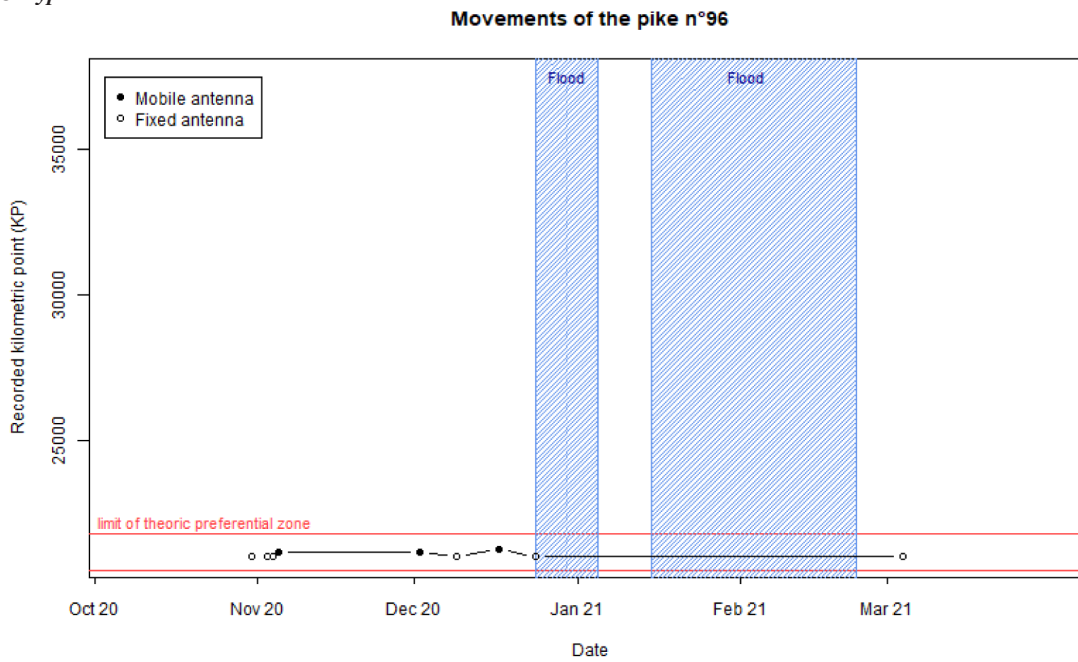
Movements of the pike n°120



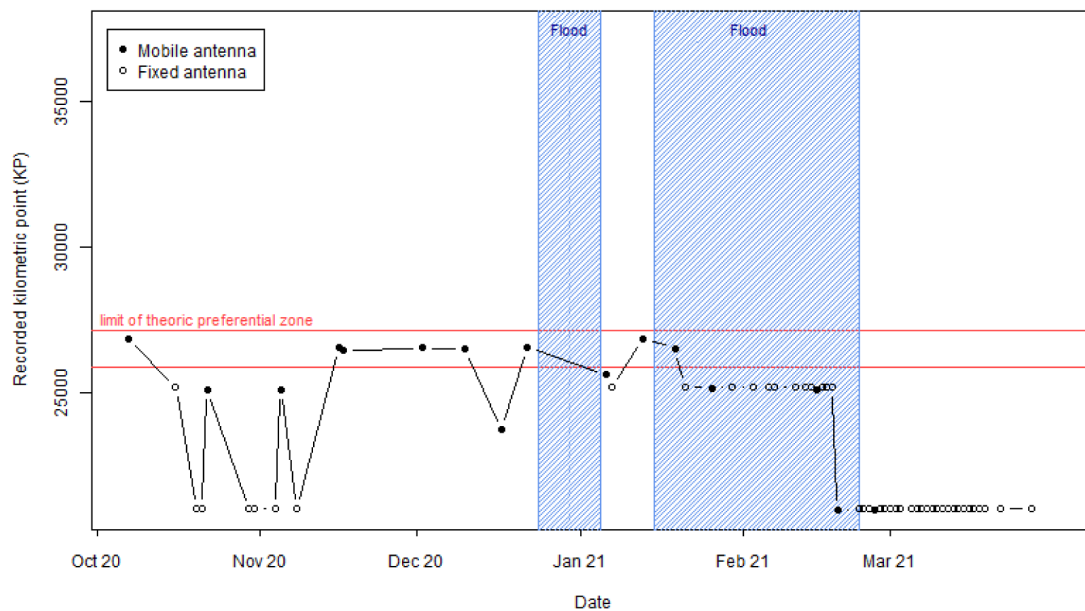


\* The positions used to fit the theoretical curve correspond to those recorded after the end of October as the fish did not become definitively established in an area until that date. However, its behaviour then corresponds to category B.

**Untypical behaviour**

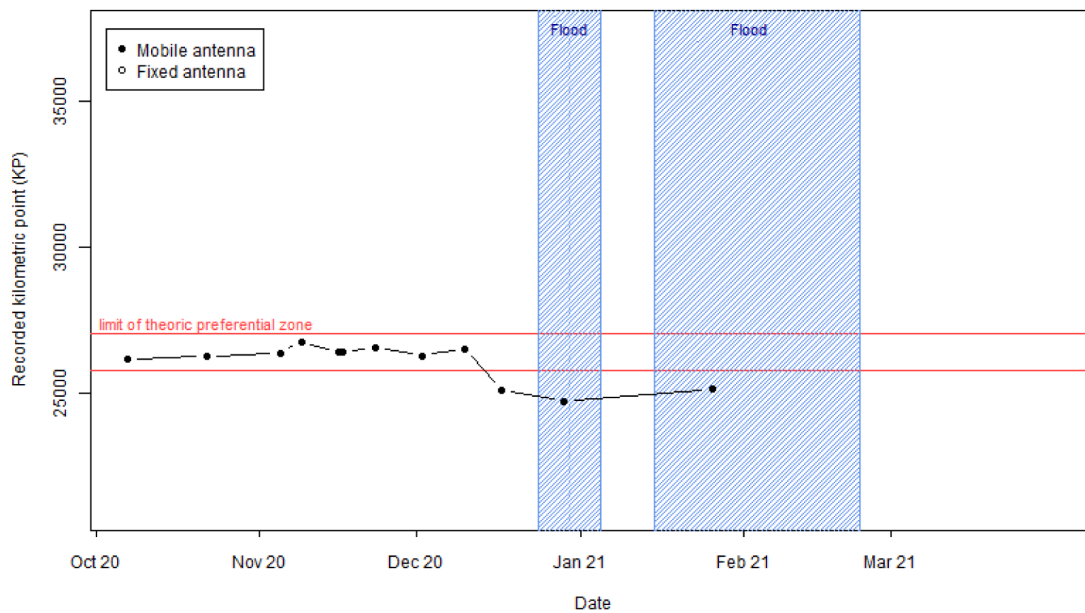


Movements of the pike n°202



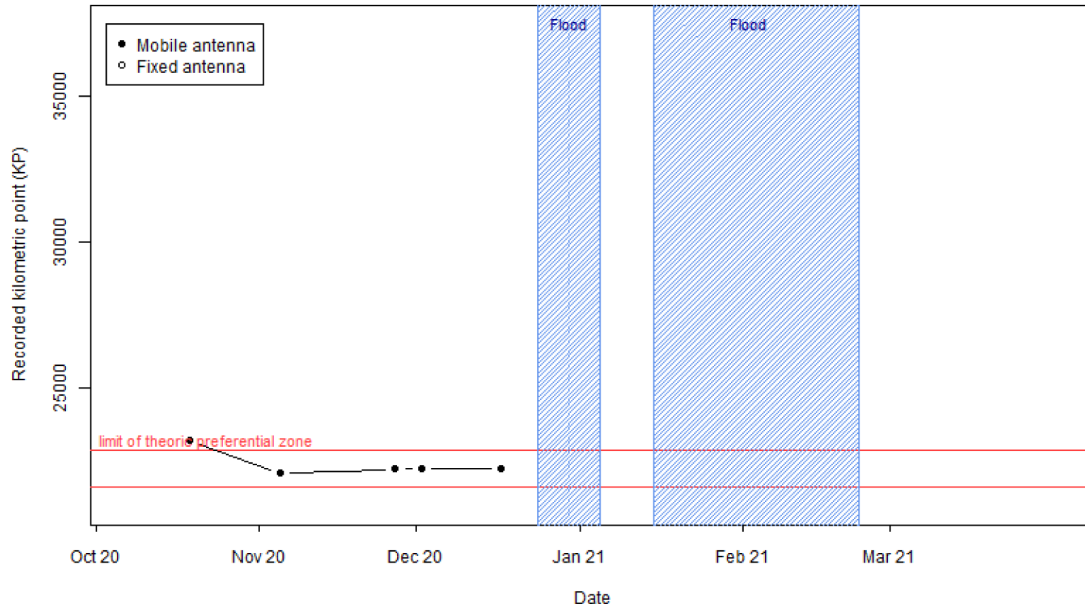
Unsufficient data

Movements of the pike n°73

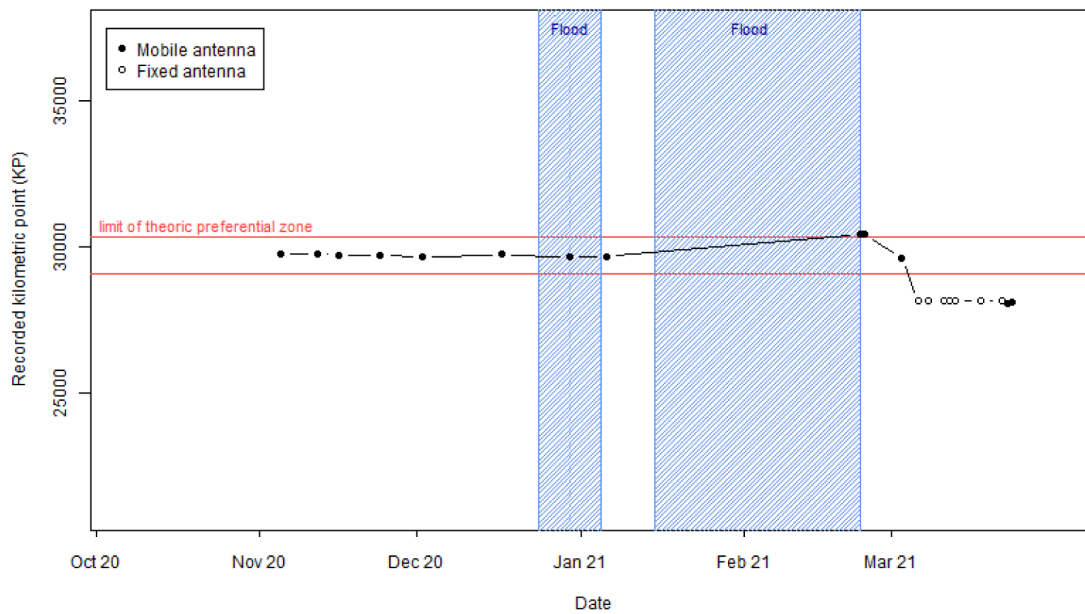




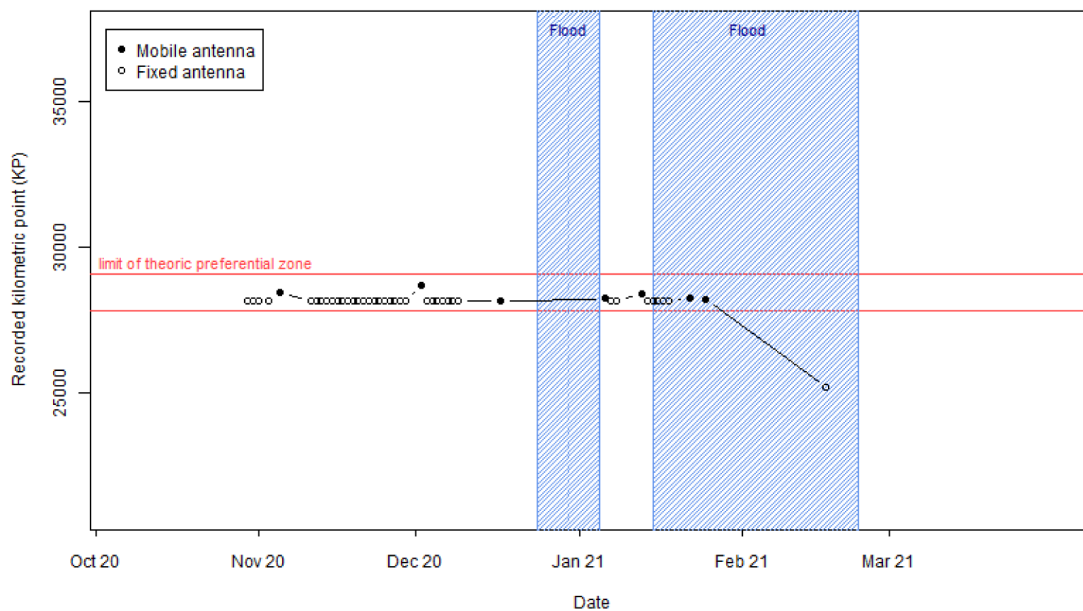
Movements of the pike n°139



Movements of the pike n°179

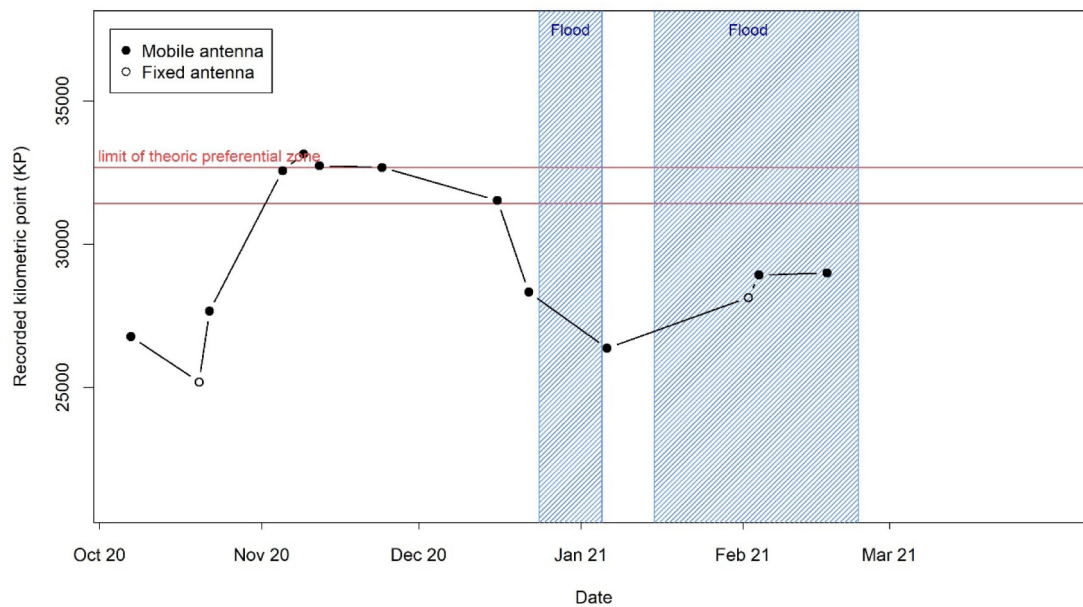


Movements of the pike n°212



Dead during/just after flood

Movements of the pike n°64



Movements of the pike n°188

