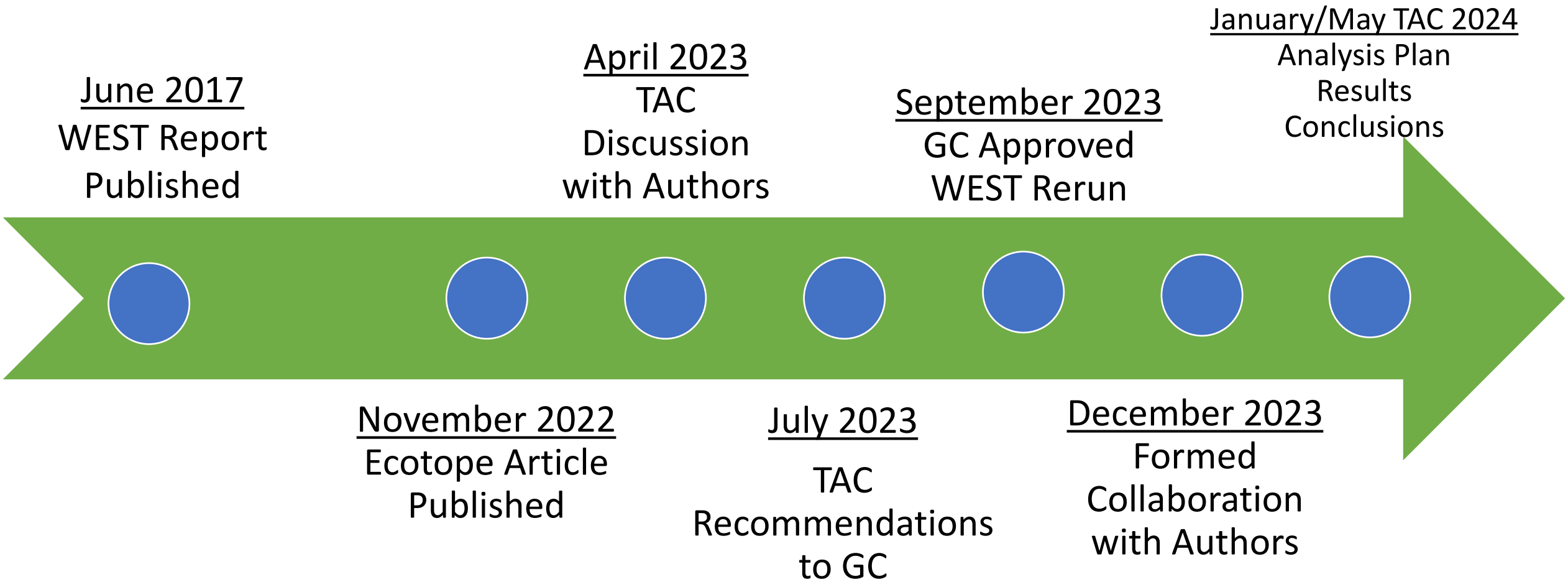
Collaborative Research Group – Diurnal Selection

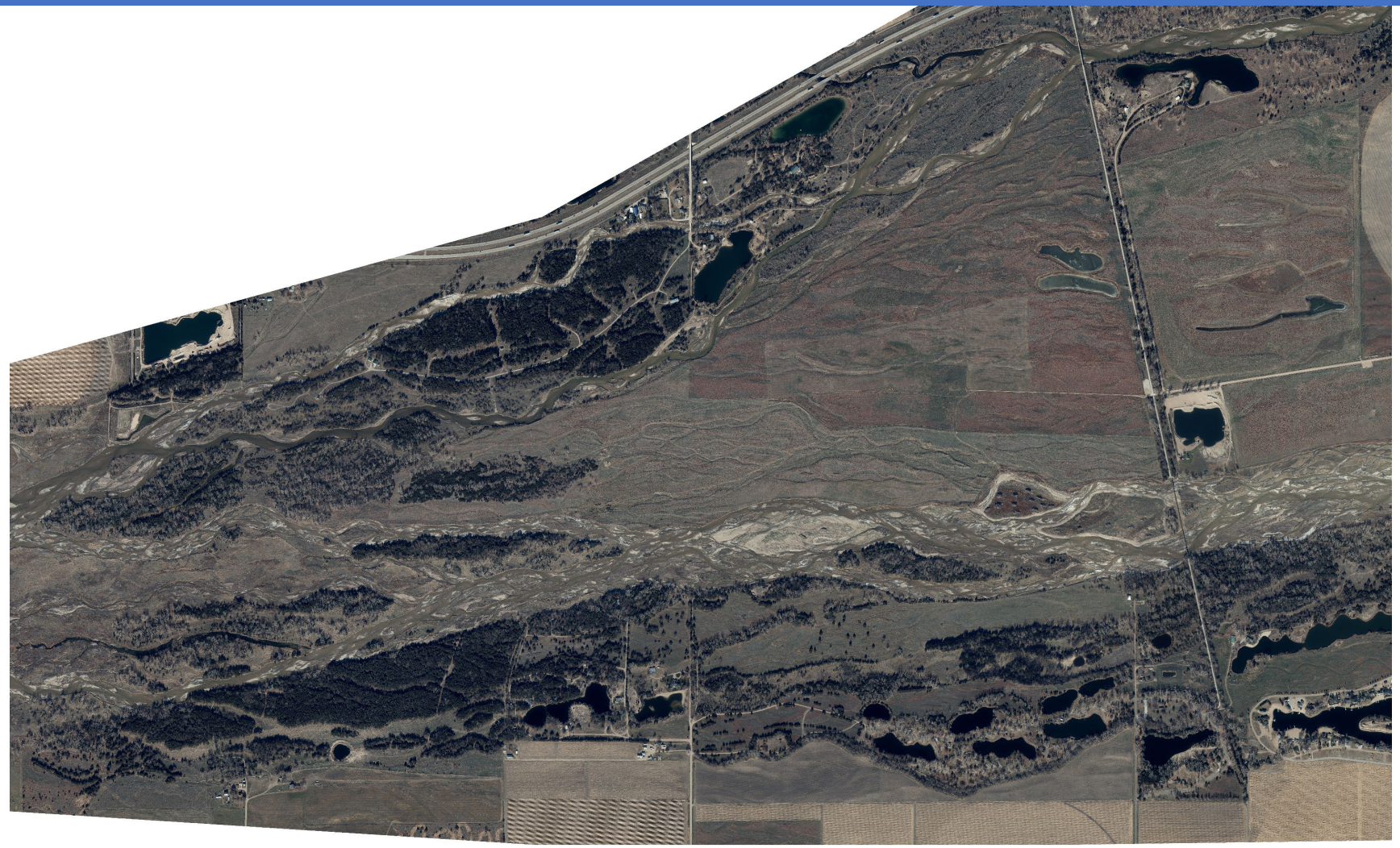
Patrick Farrell

June 2024 GC Meeting

Onboarding Process

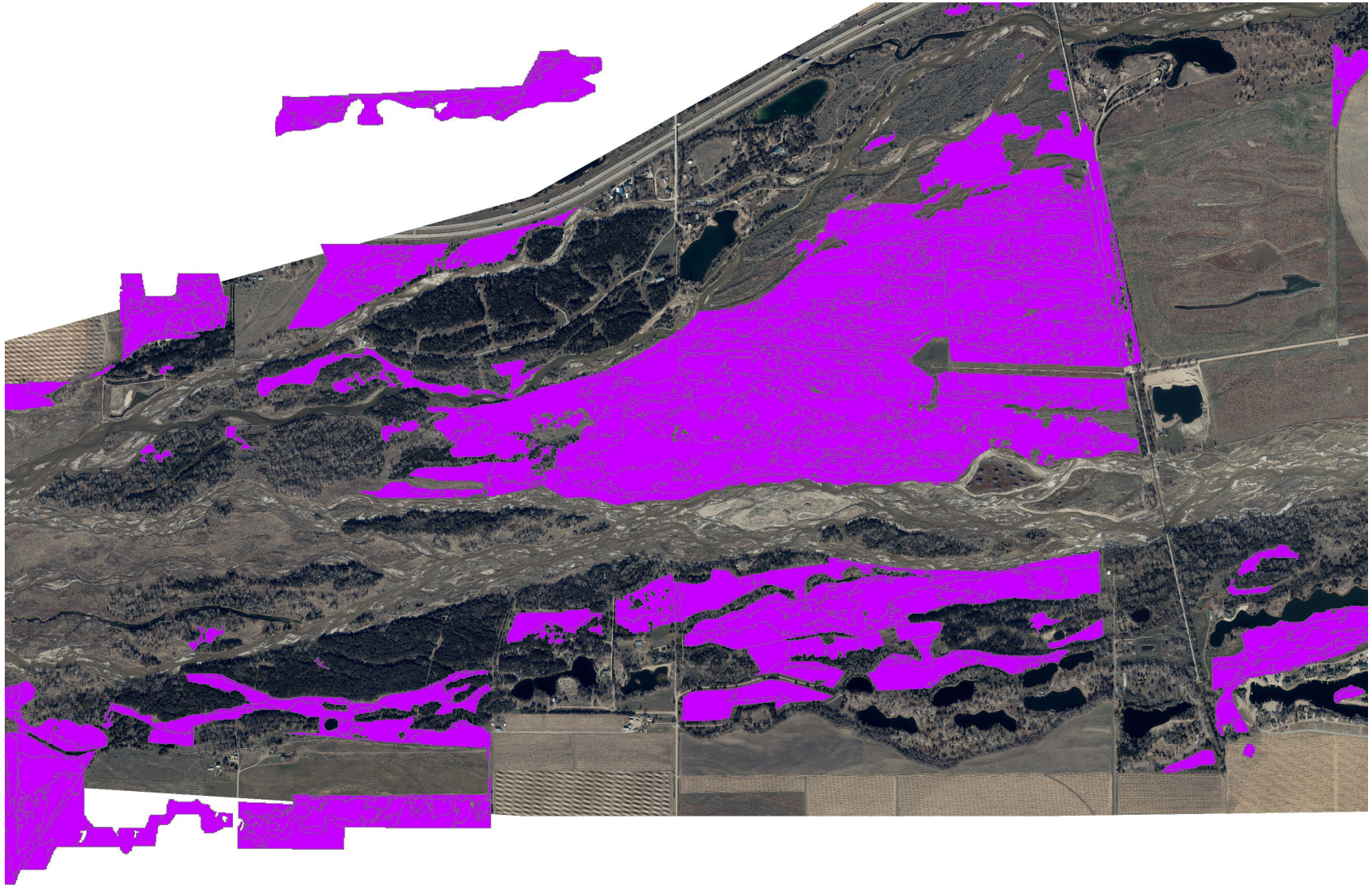


WEST Report – Wet Meadow Coverage

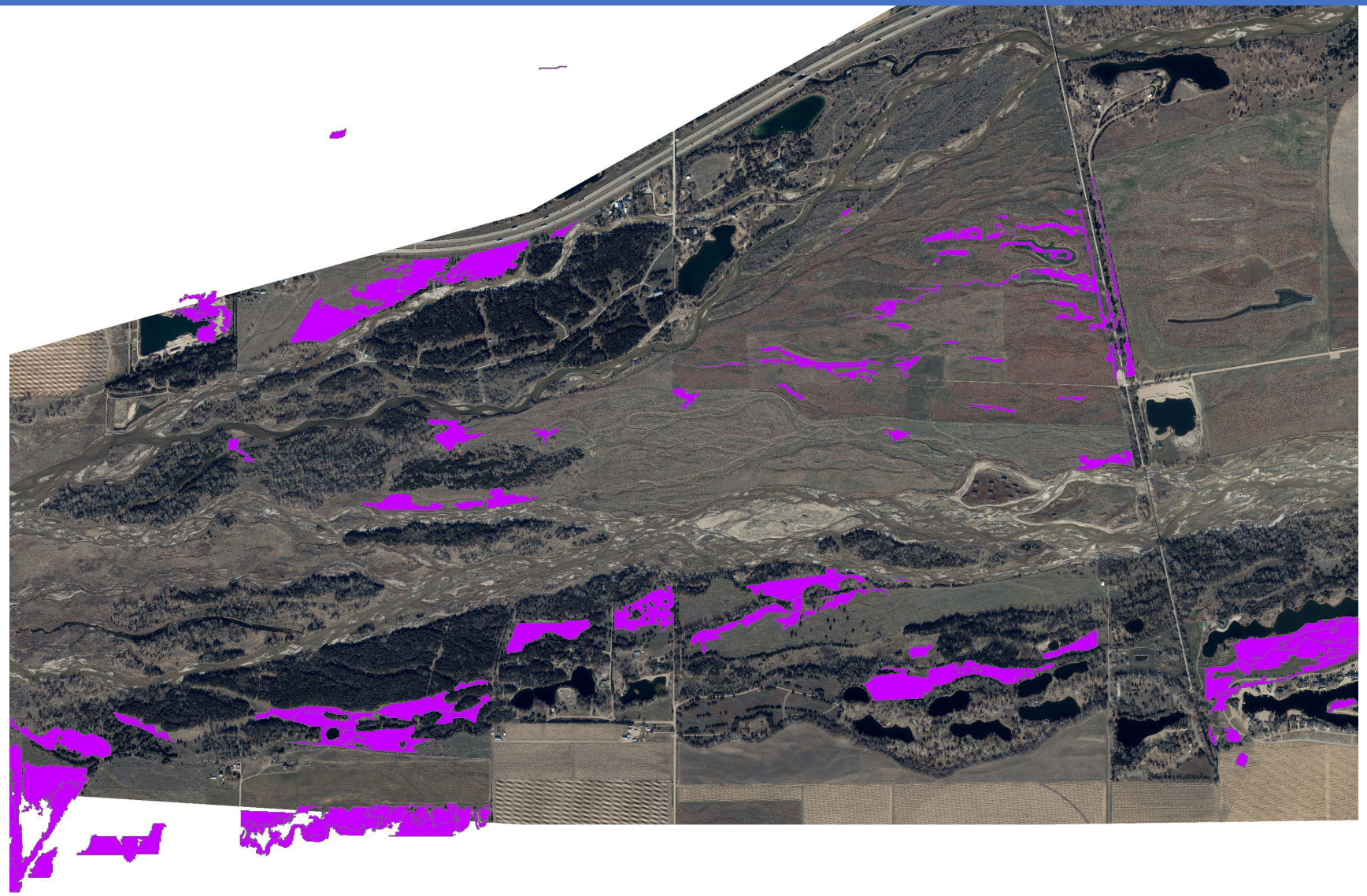


N 0.75 0.375 0 0.75 Miles

WEST Report – Wet Meadow Coverage



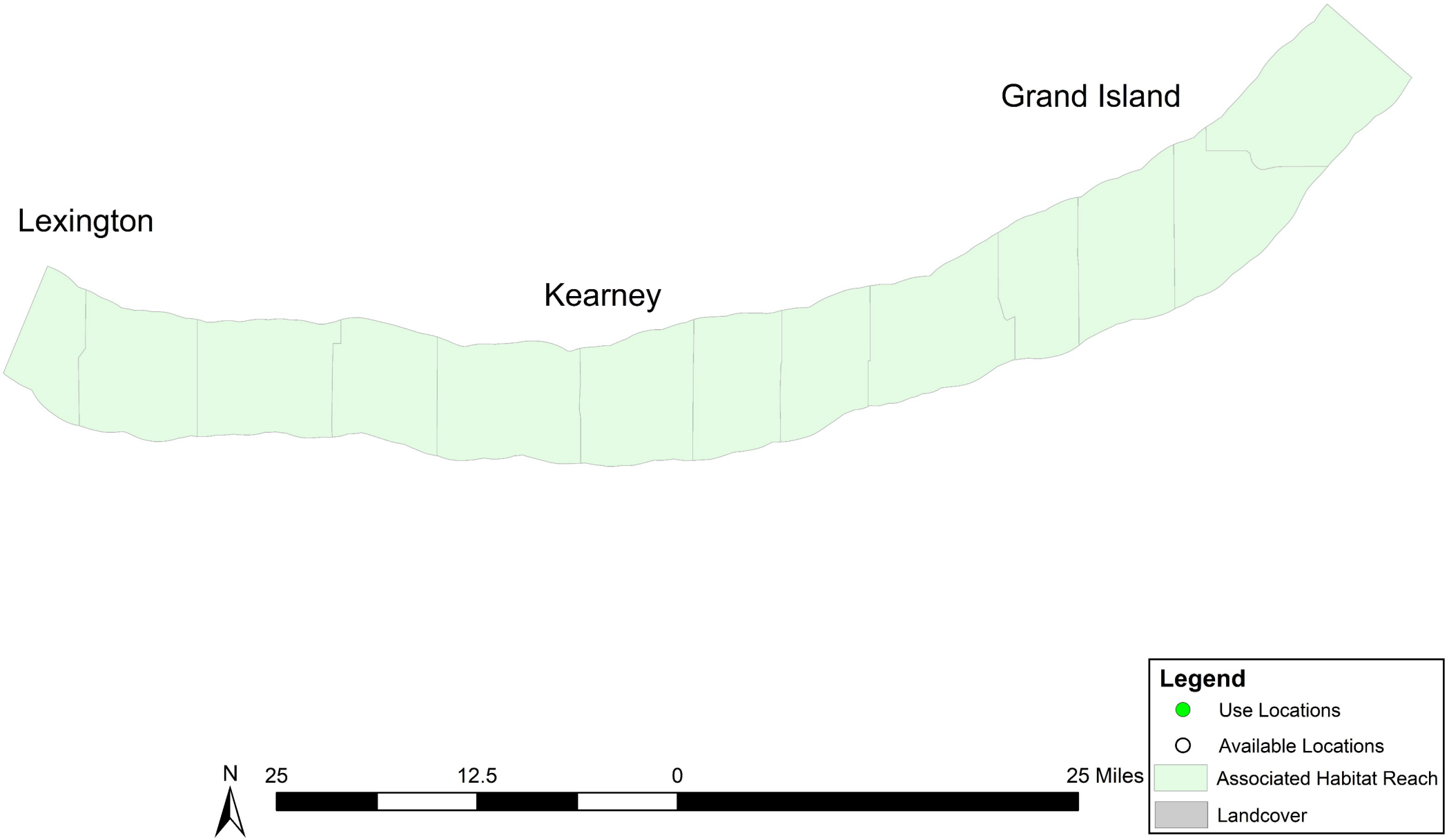
WEST Redo: with the Ecotope Landcover (Meadow-Marsh)



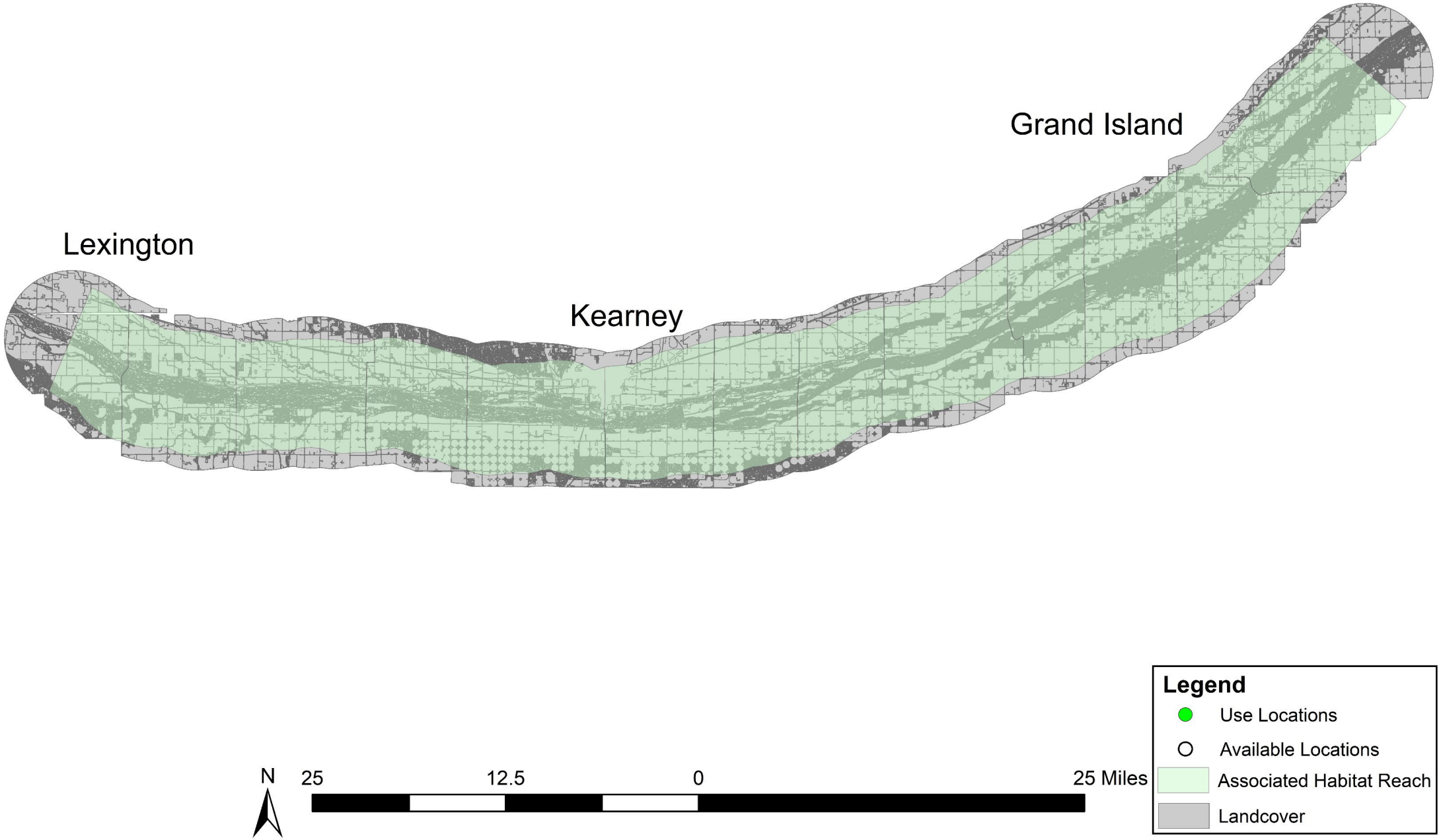
Collaboration – Bringing Methods Closer Together

Study	Analysis Update	Did Results Change?
WEST	with the Ecotope landcover	
WEST	without riverine locations	
WEST	without riverine locations AND using Ecotope landcover	

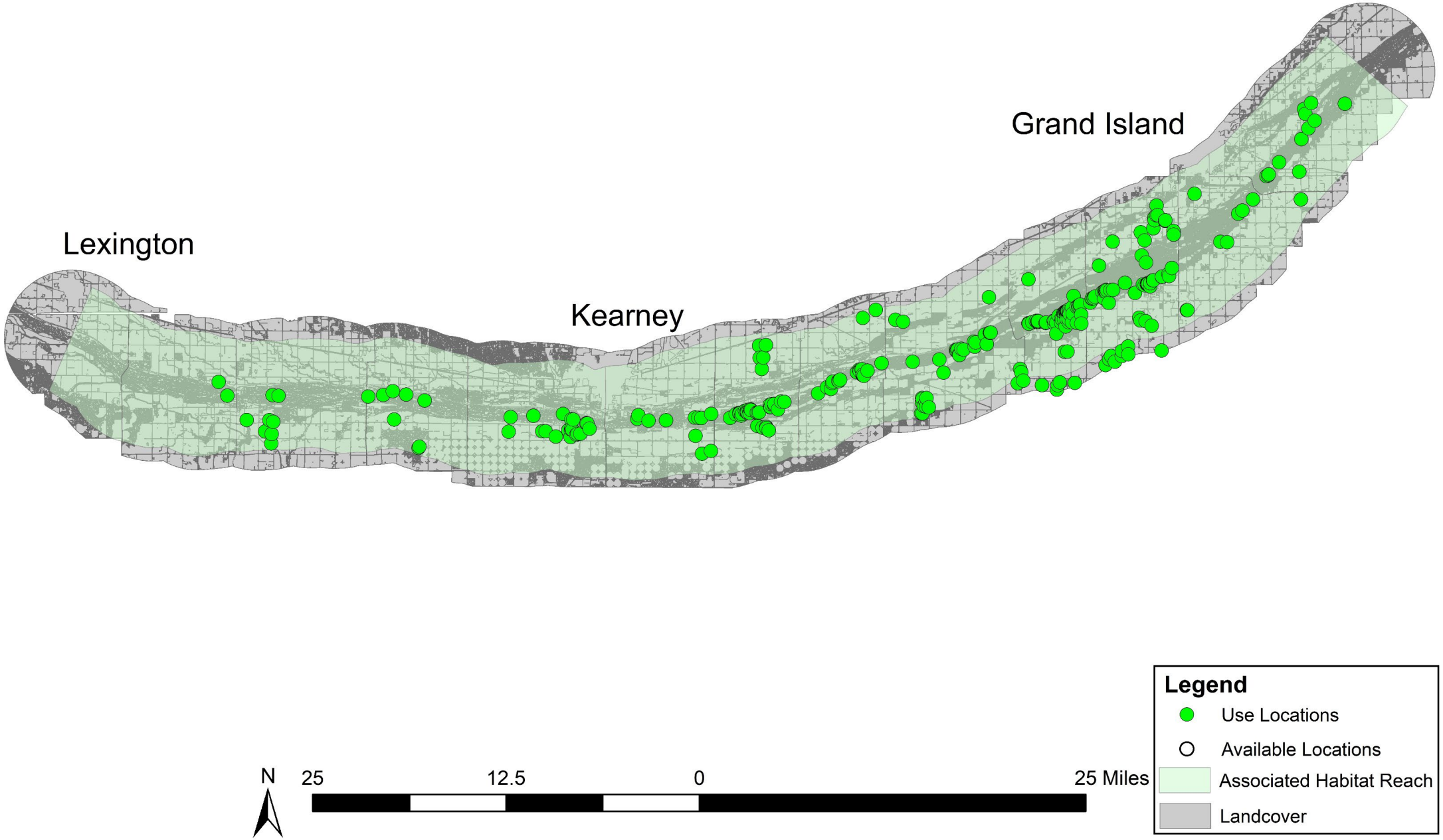
WEST Report – Original Methods



WEST Report – Original Methods



WEST Report – Original Methods



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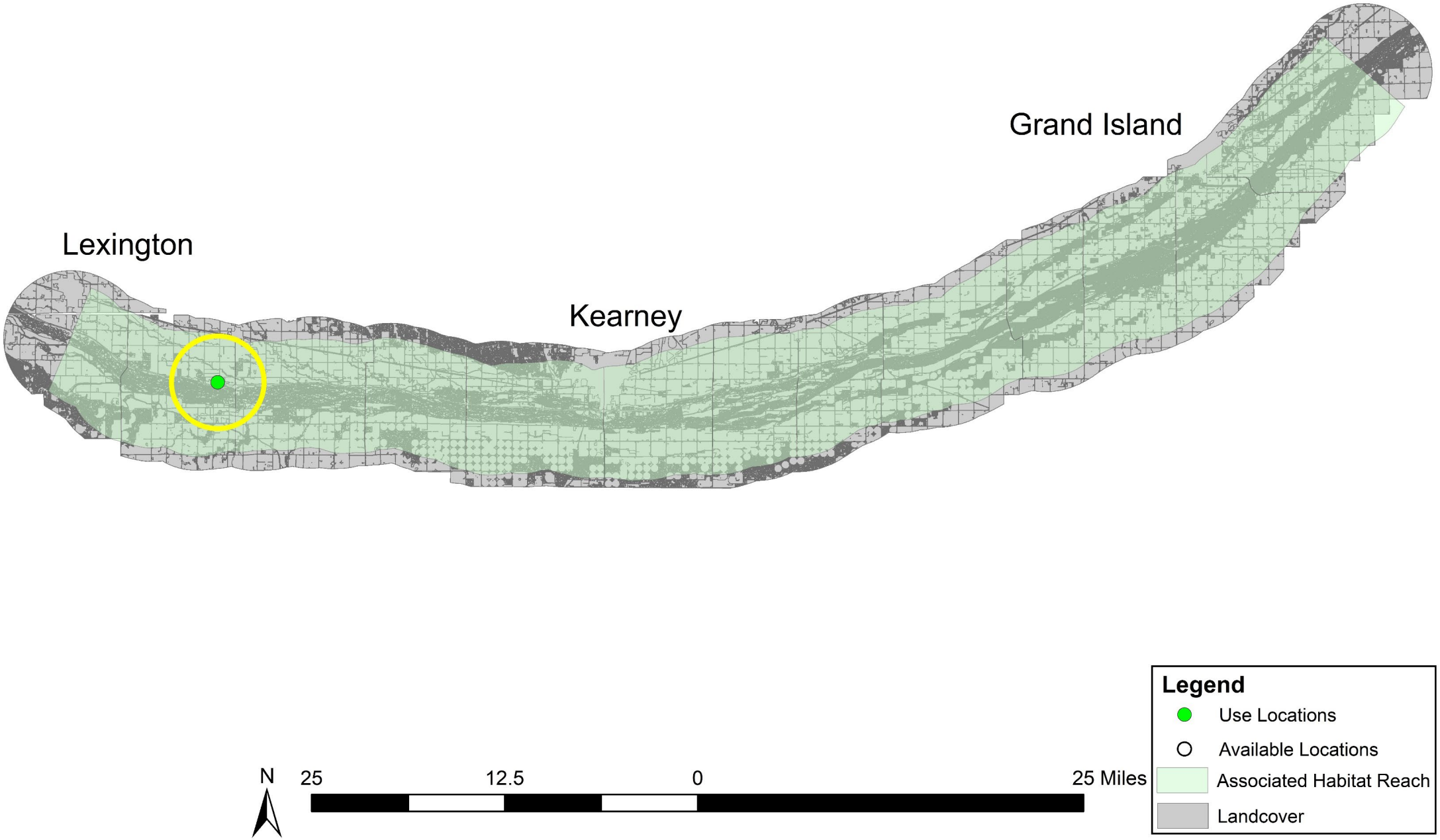

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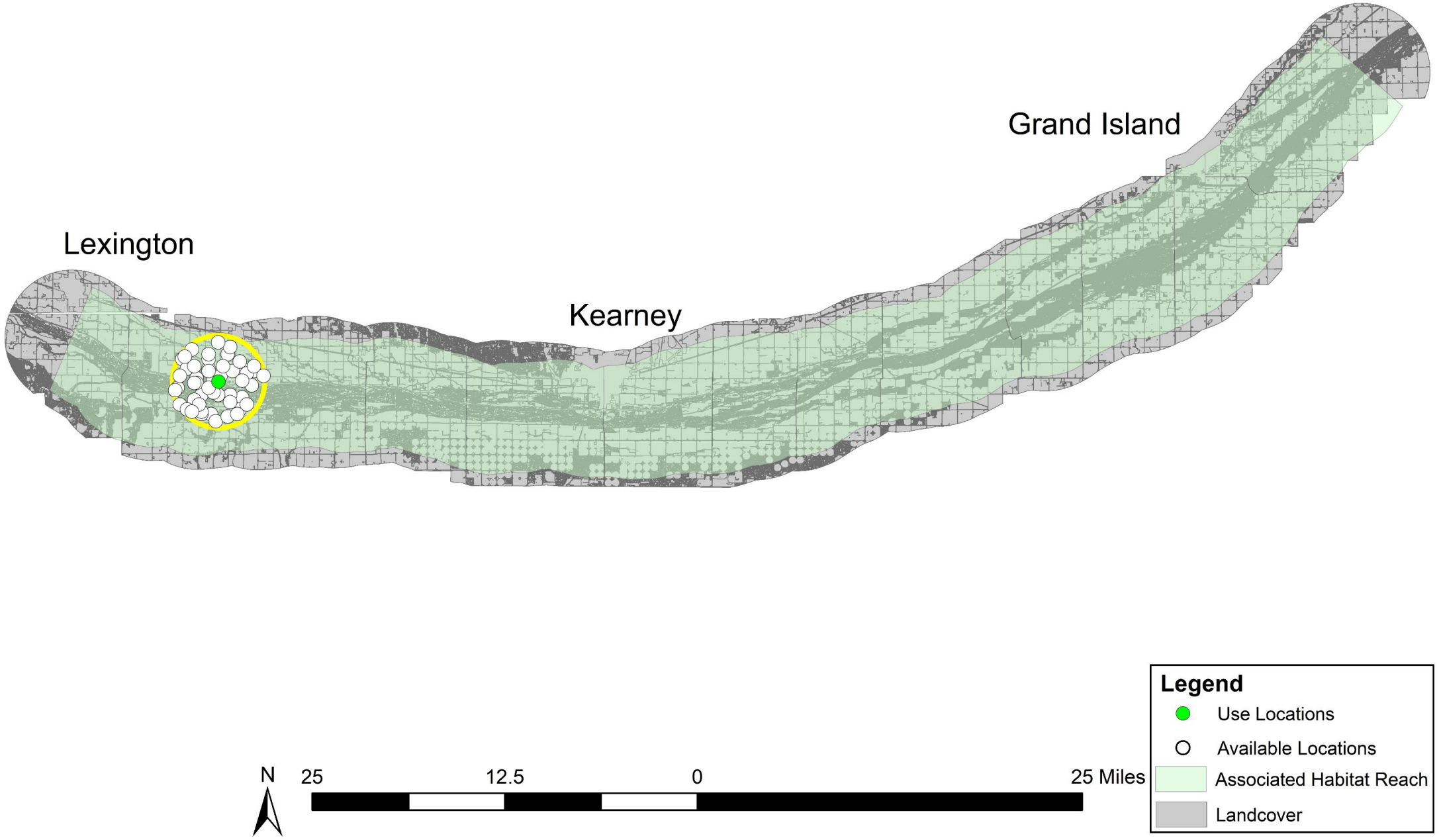
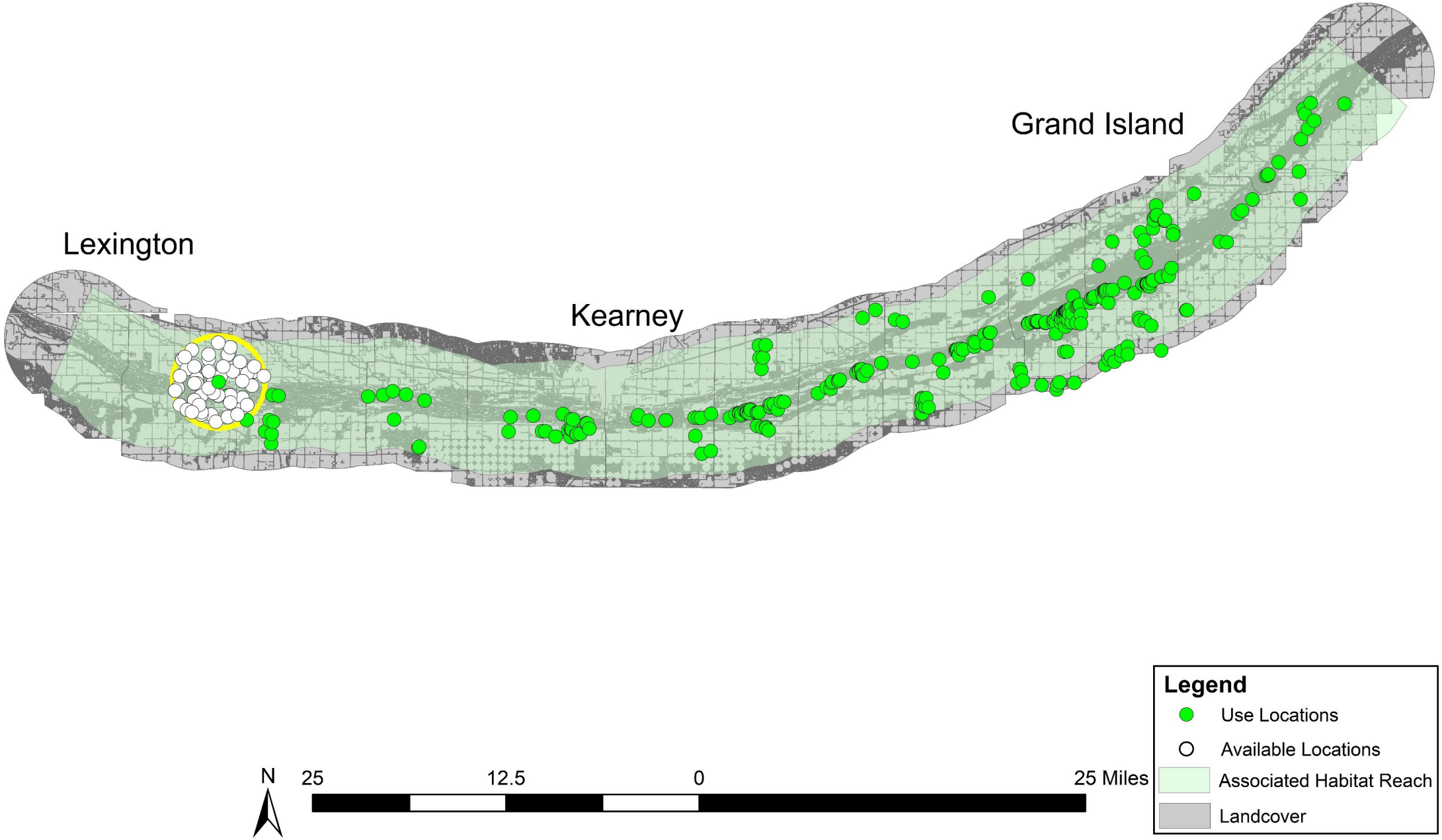
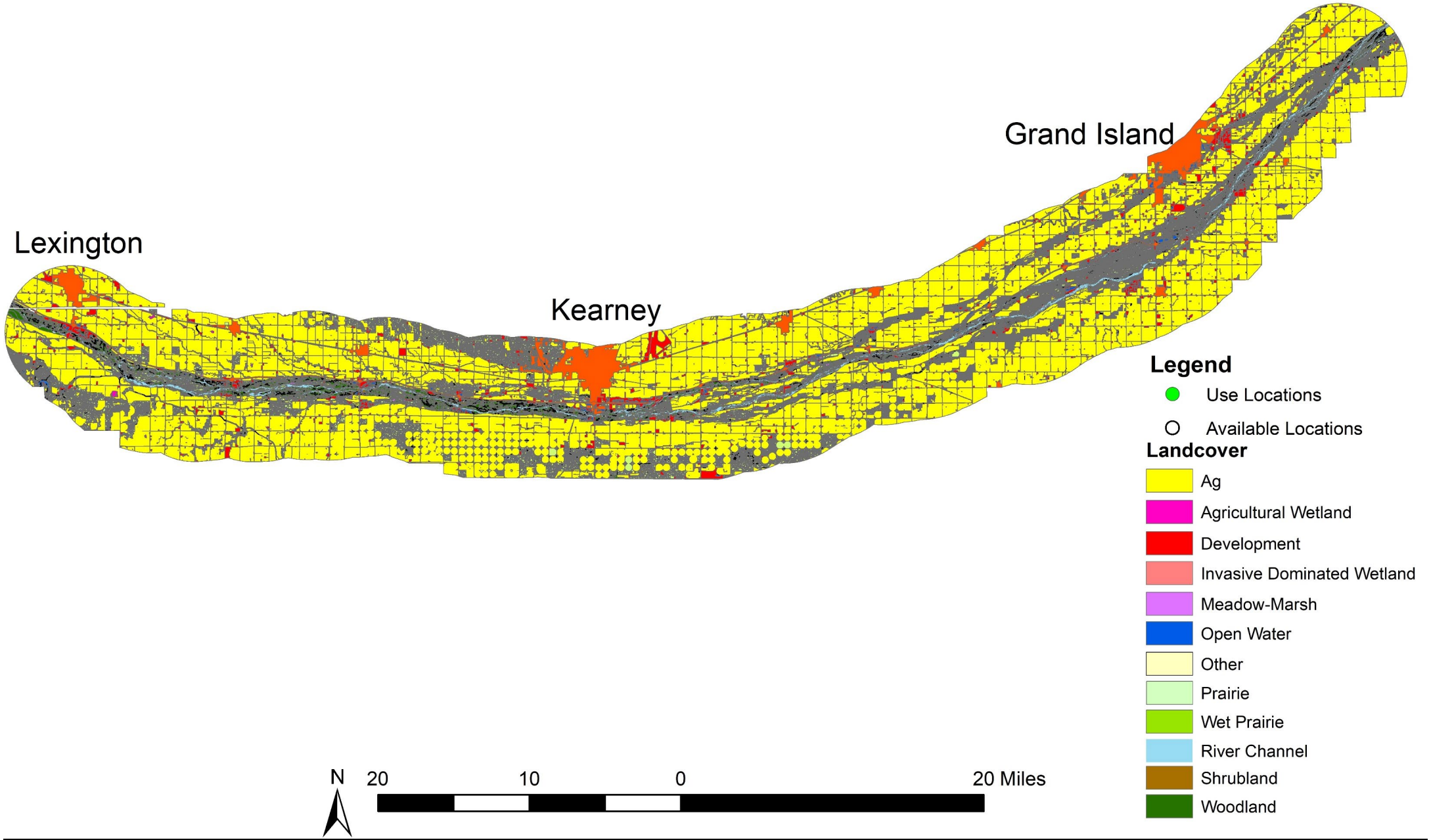


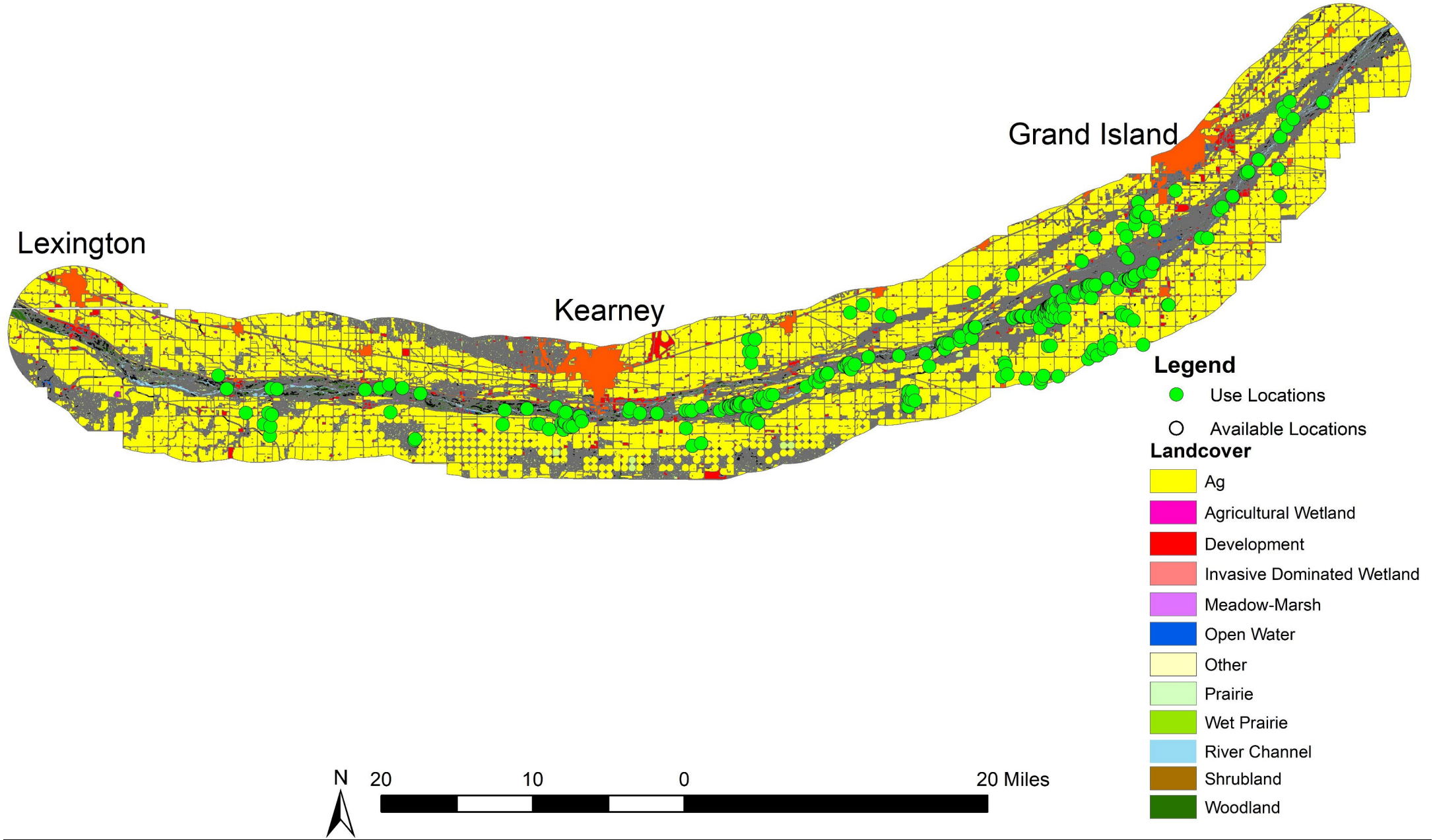
WEST Report – Original Methods



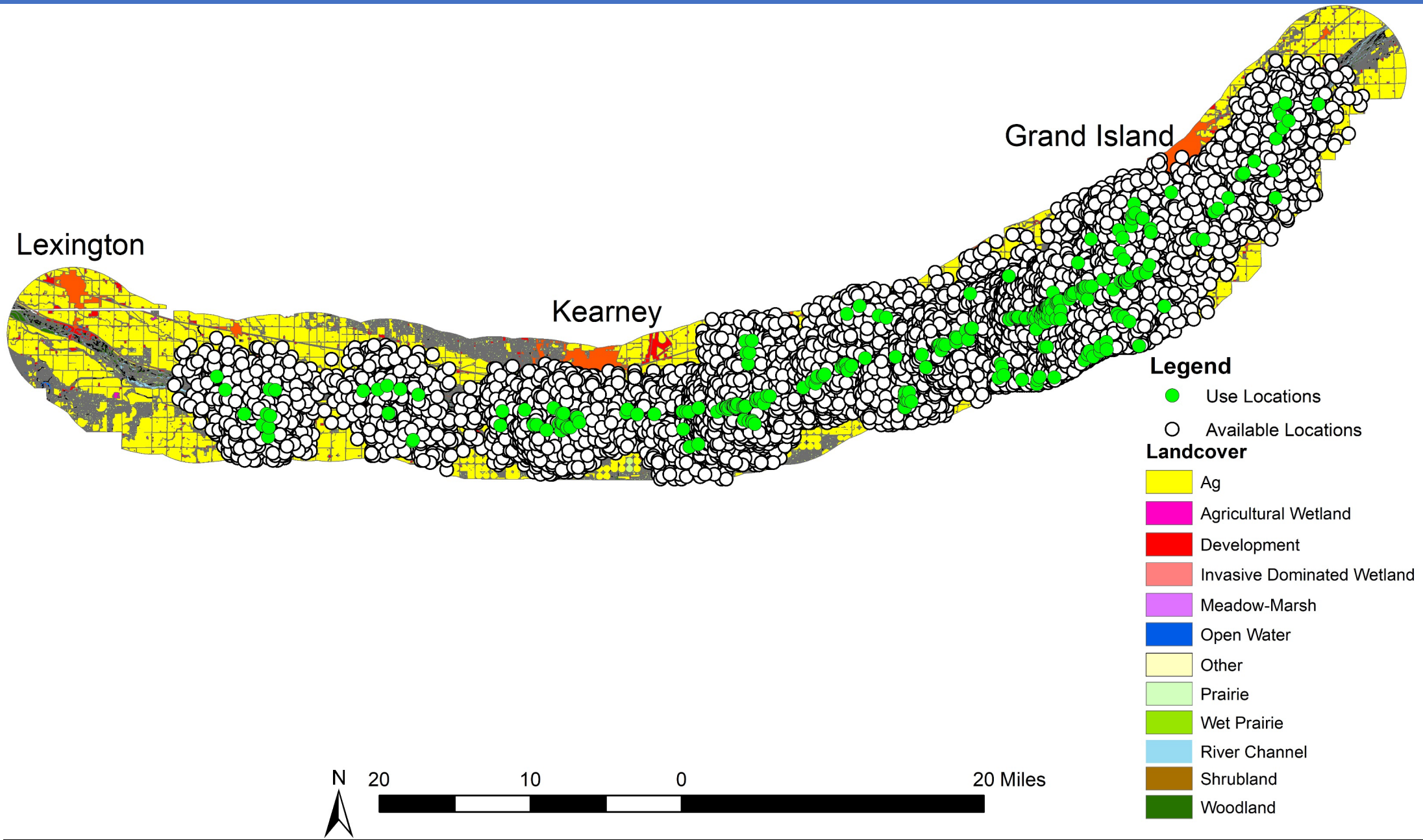
WEST Redo: with the Ecotope landcover



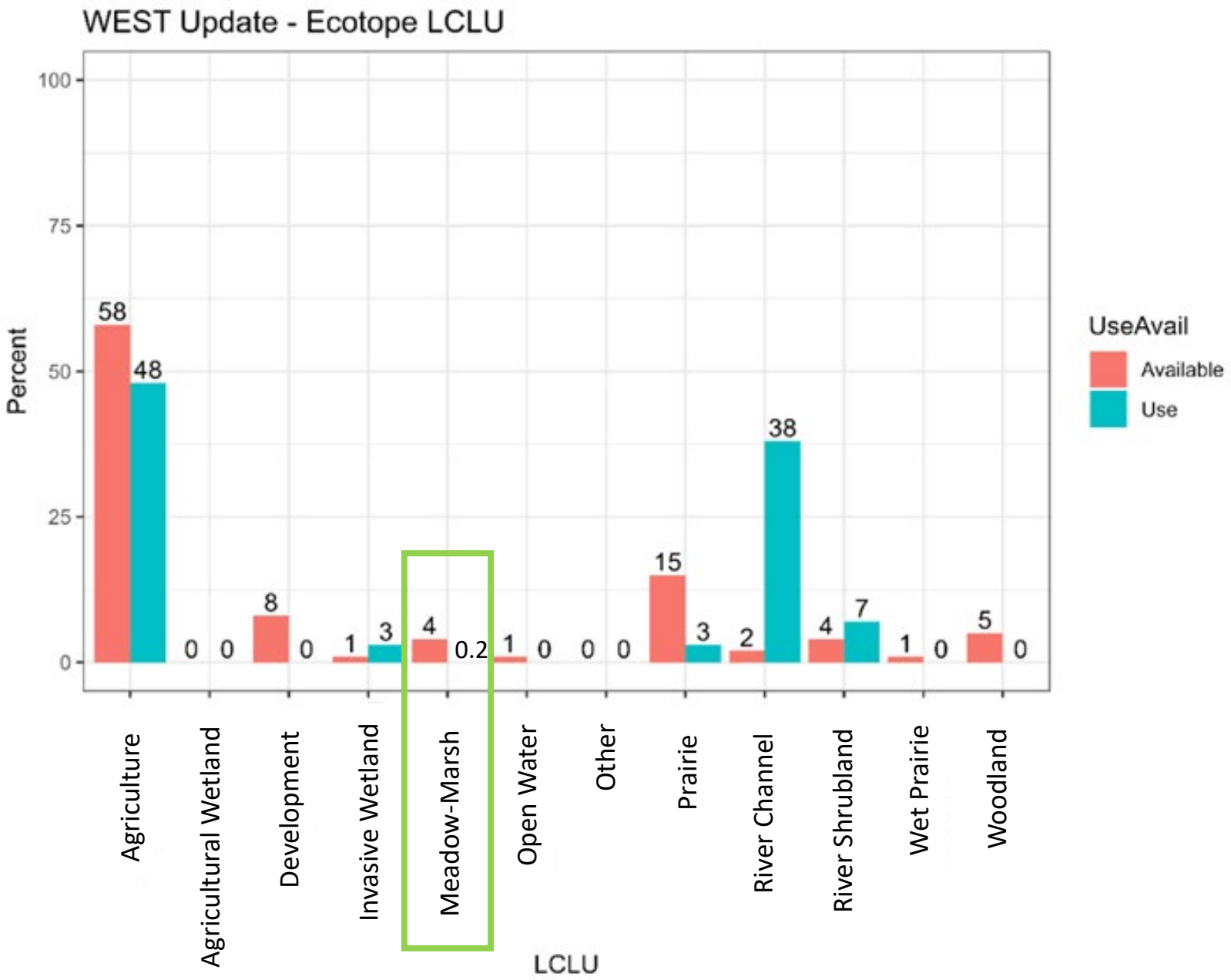
WEST Redo: with the Ecotope Landcover



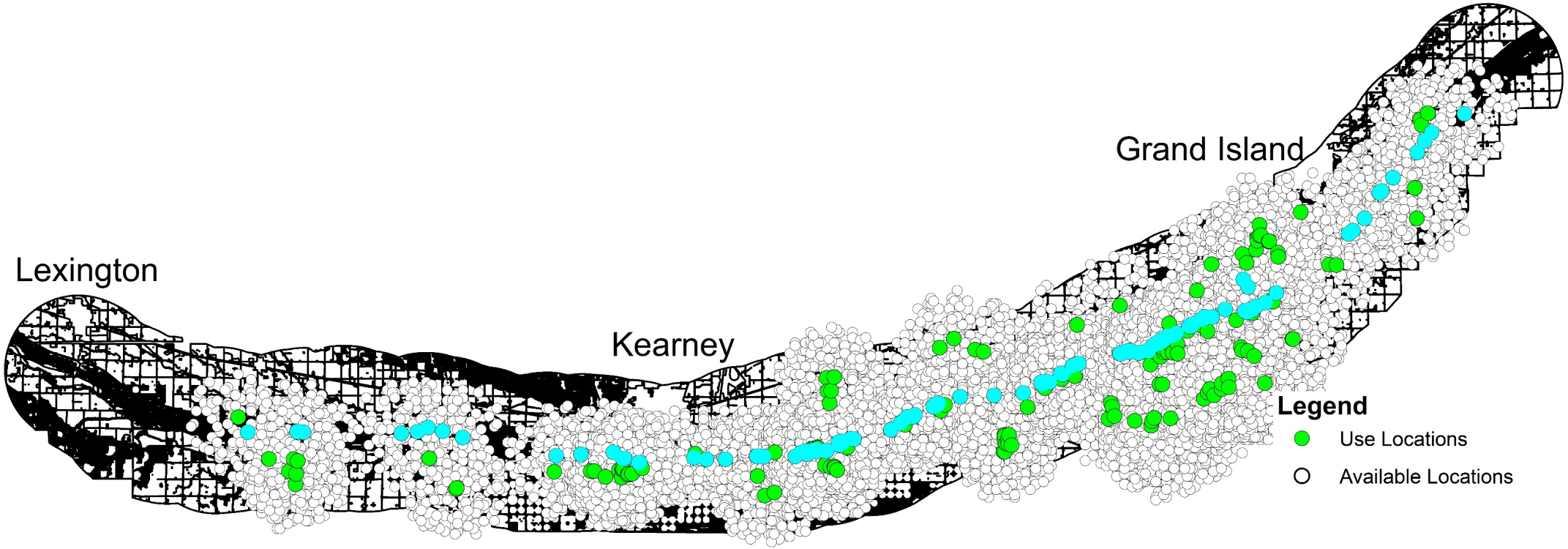
WEST Redo: with the Ecotope landcover



WEST Redo: with the Ecotope Landcover

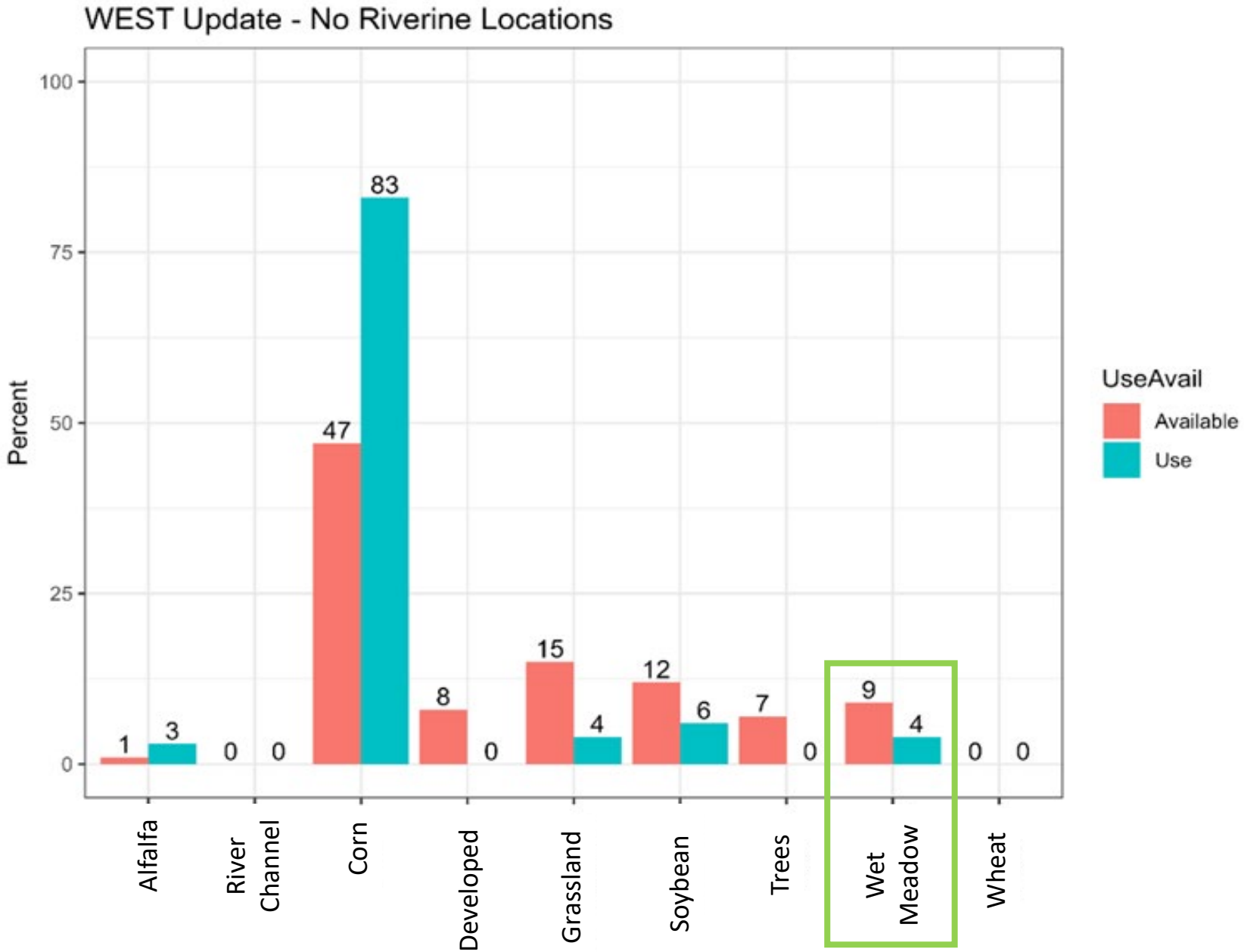


WEST Redo: without Riverine Use Locations (Using Original Landcover)

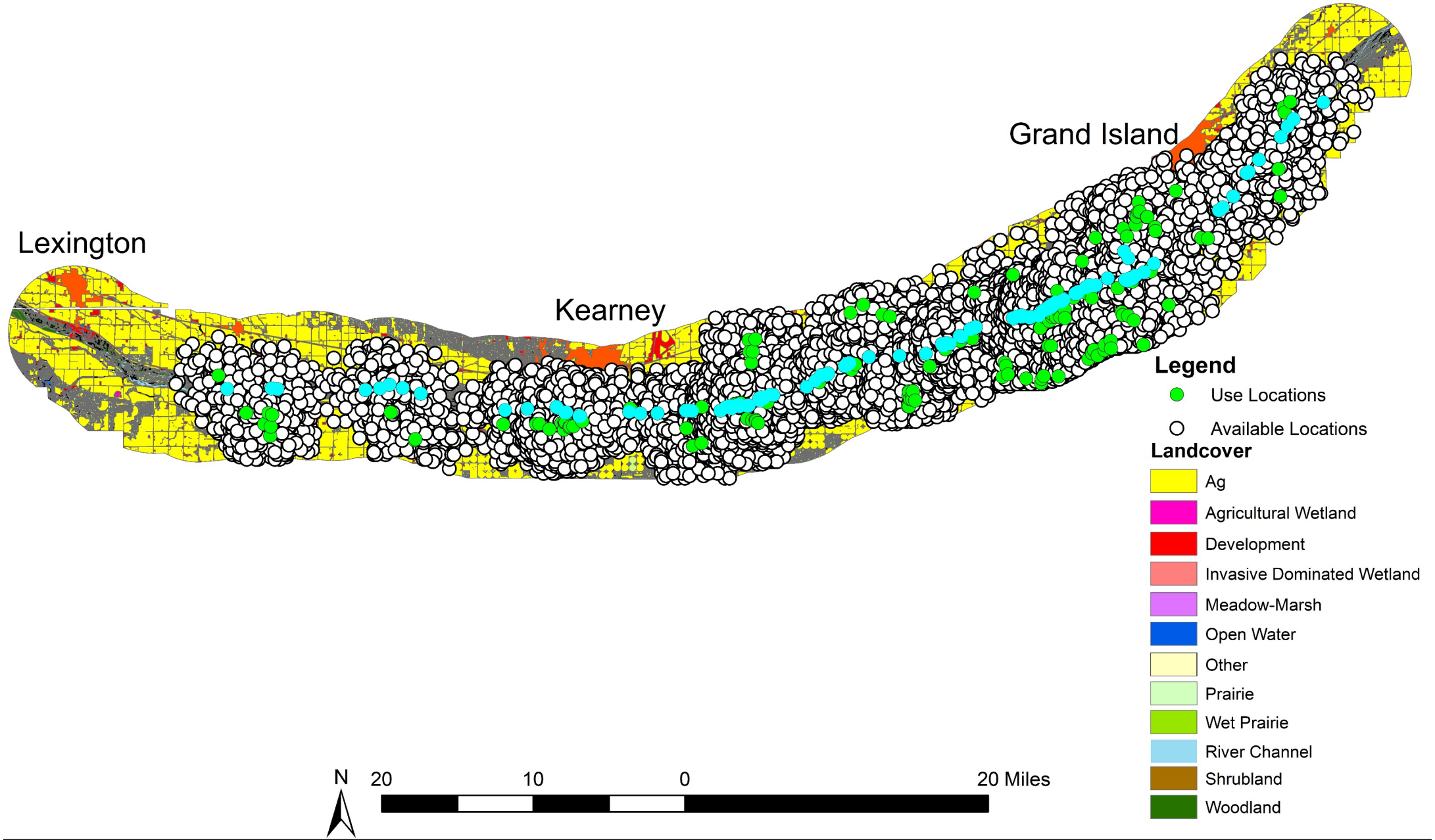


N 20 10 0 20 Miles

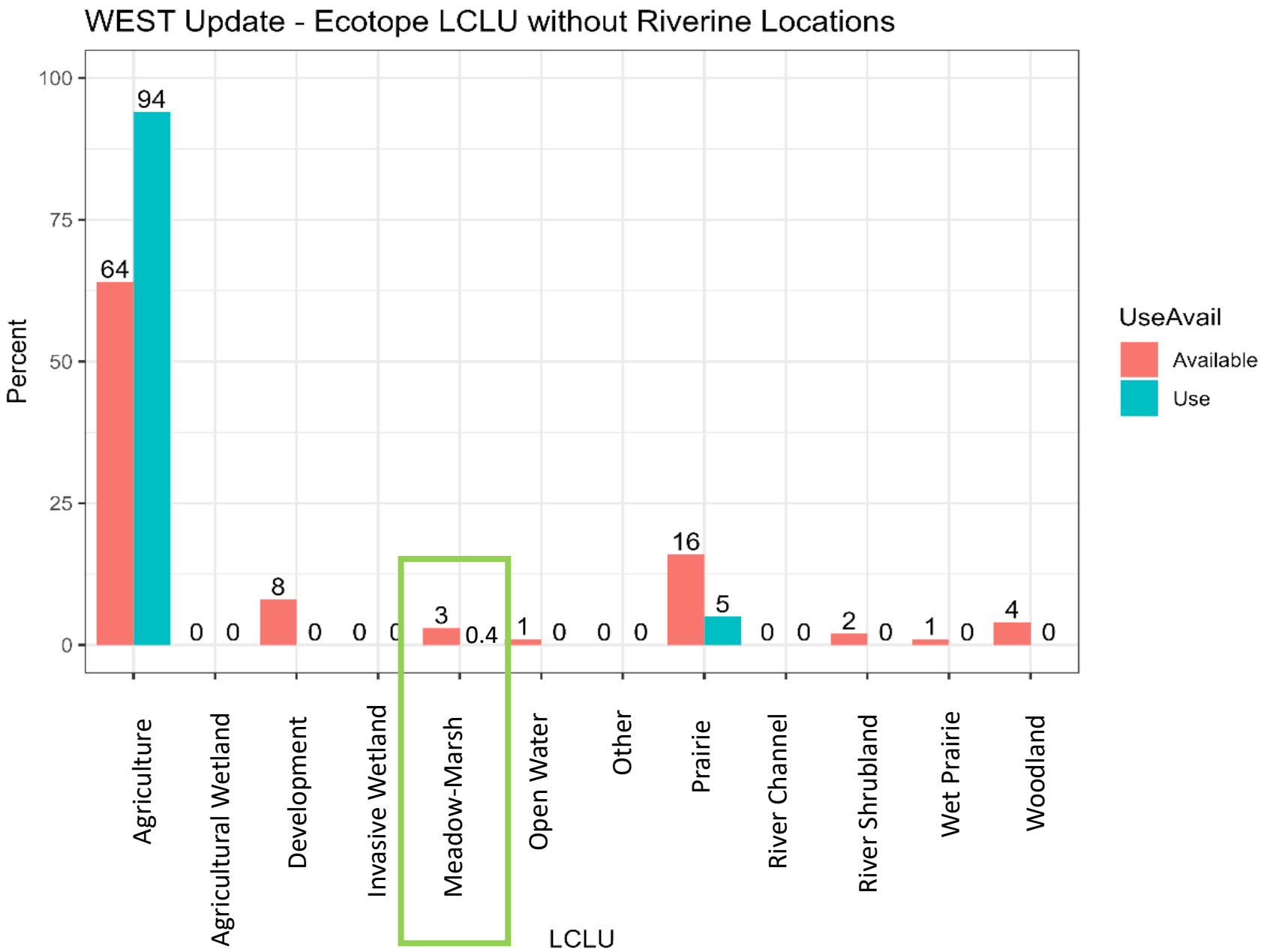
WEST Redo: without Riverine Use Locations (Using Original Landcover)



WEST Redo: without Riverine Use Locations, Using the Ecotope Landcover



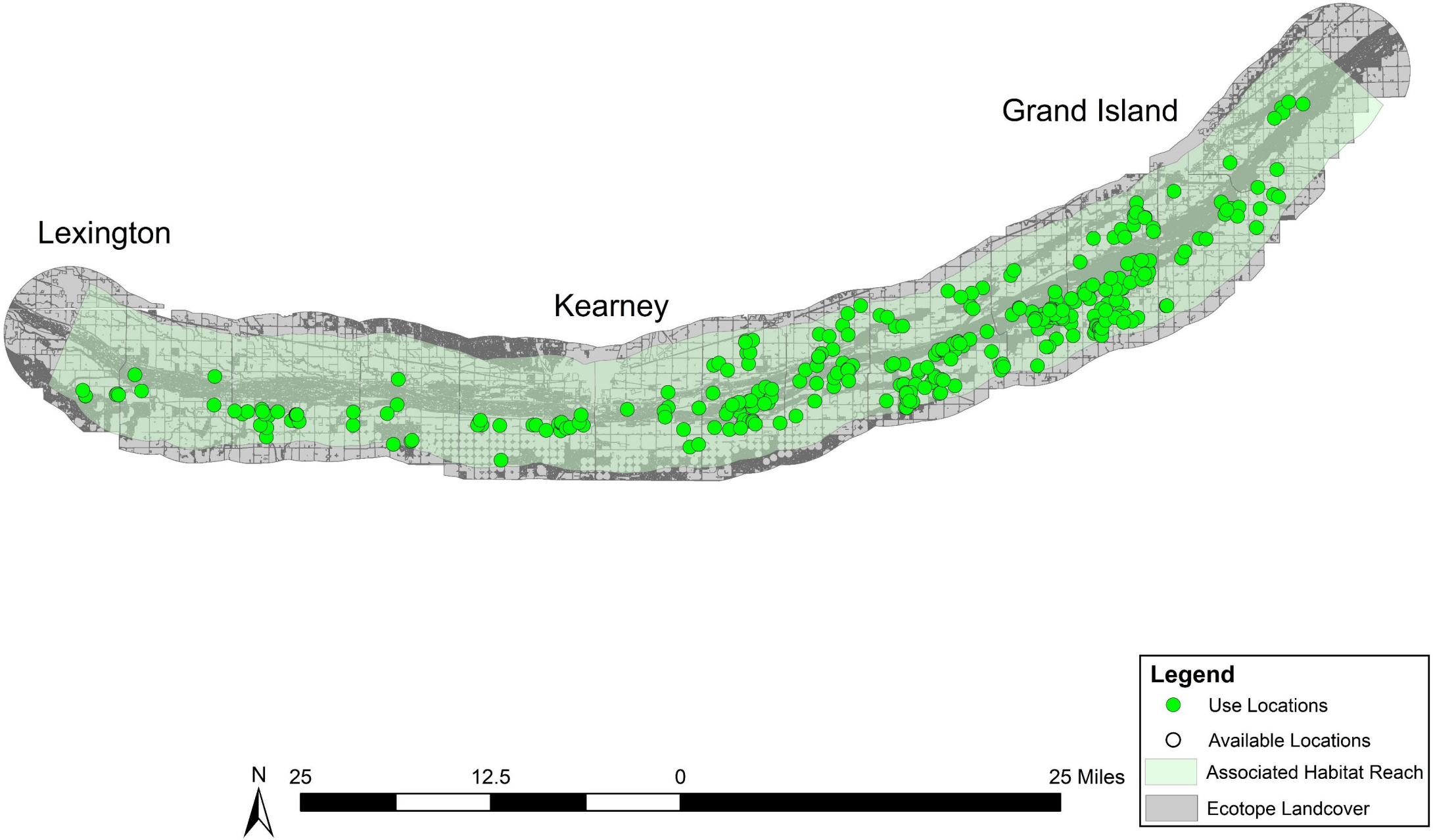
WEST Redo: without Riverine Use Locations, Using the Ecotope Landcover



Collaboration – Bringing Methods Closer Together

Study	Analysis Update	Did Results Change for Wet Meadow?
WEST	with the Ecotope landcover	
WEST	without riverine locations	
WEST	without riverine locations AND using Ecotope landcover	
Ecotope	with constrained locations	

Ecotope – Original Methods



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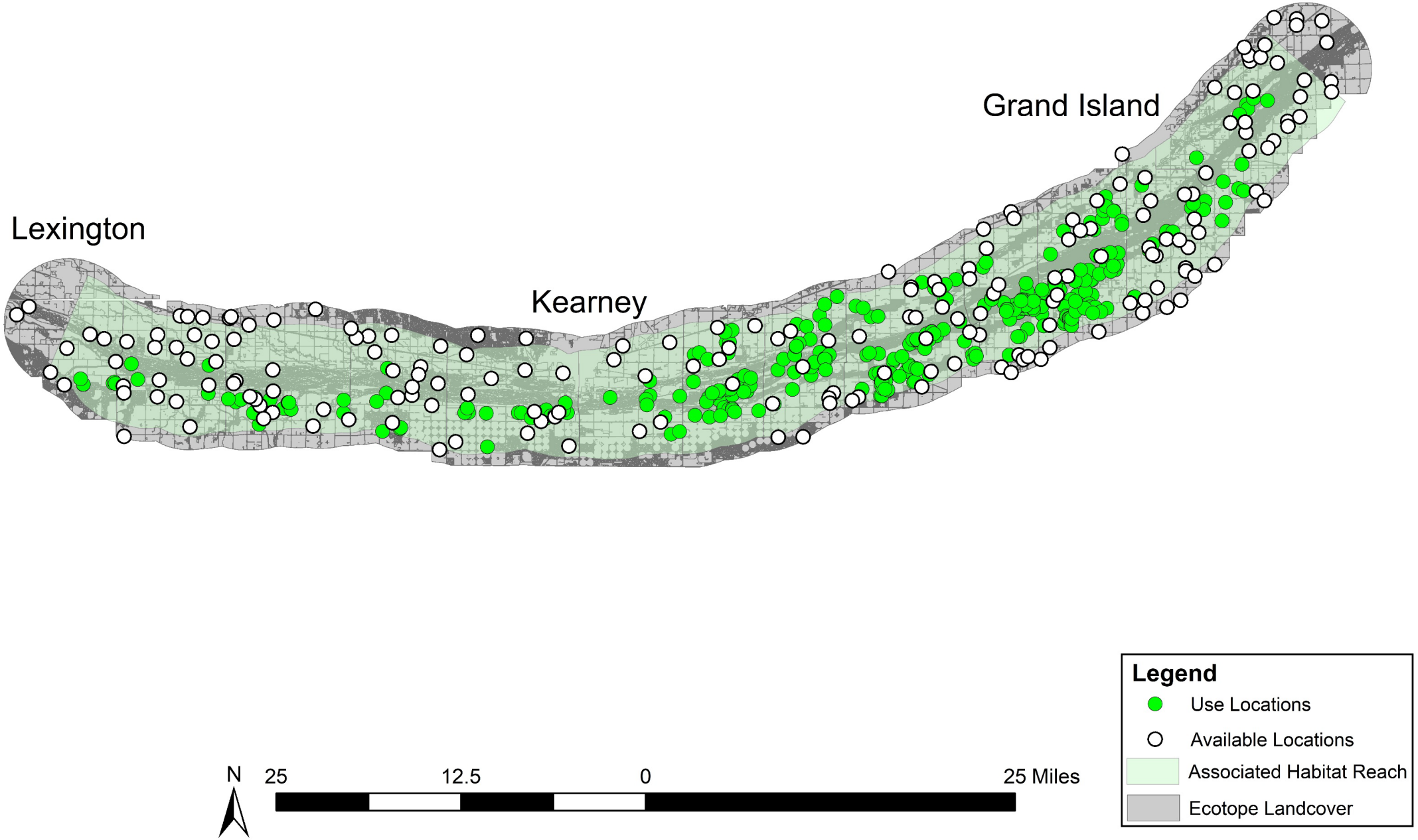
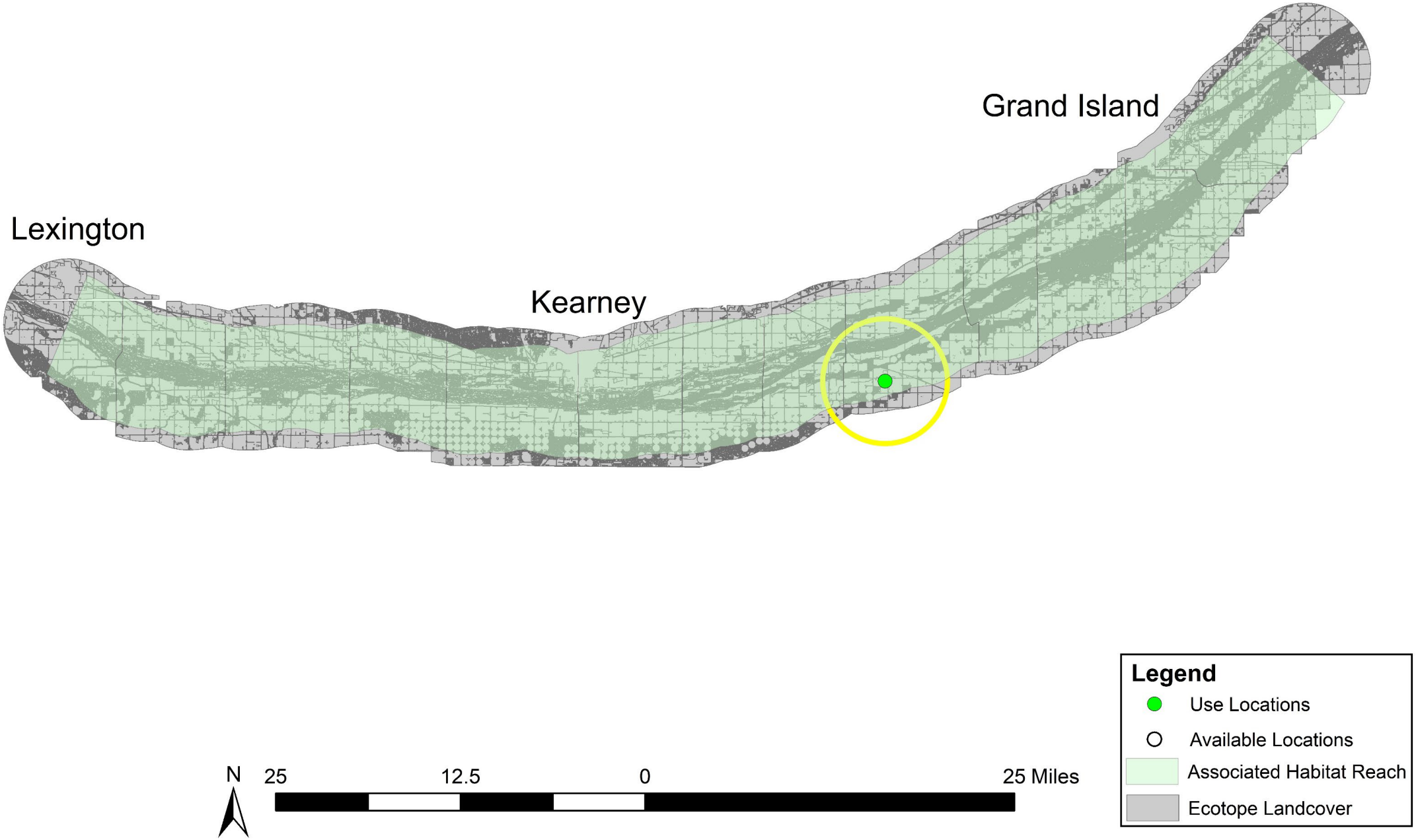
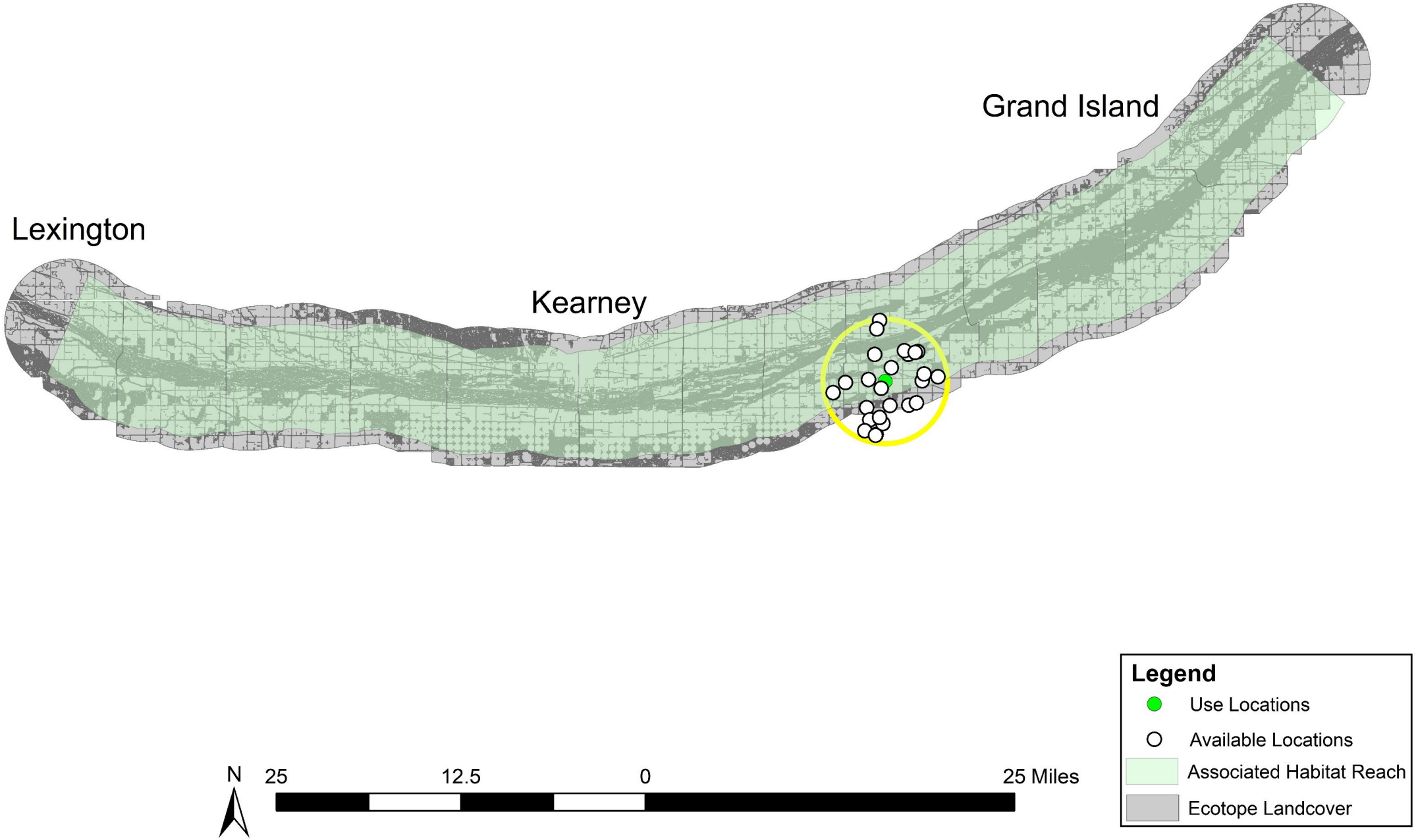


Ecotope Redo: with Constrained Available Locations

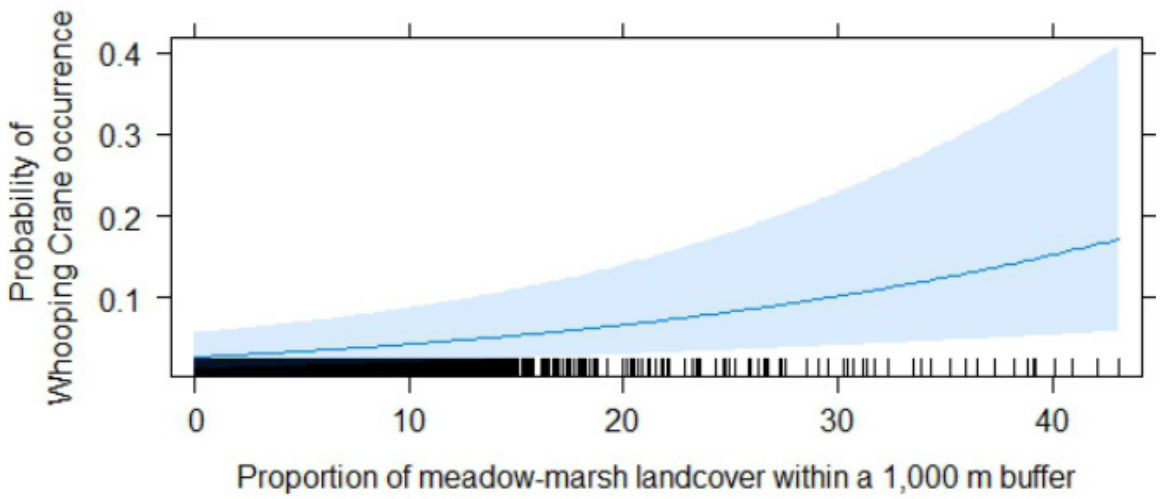


Ecotope Redo: with Constrained Available Locations

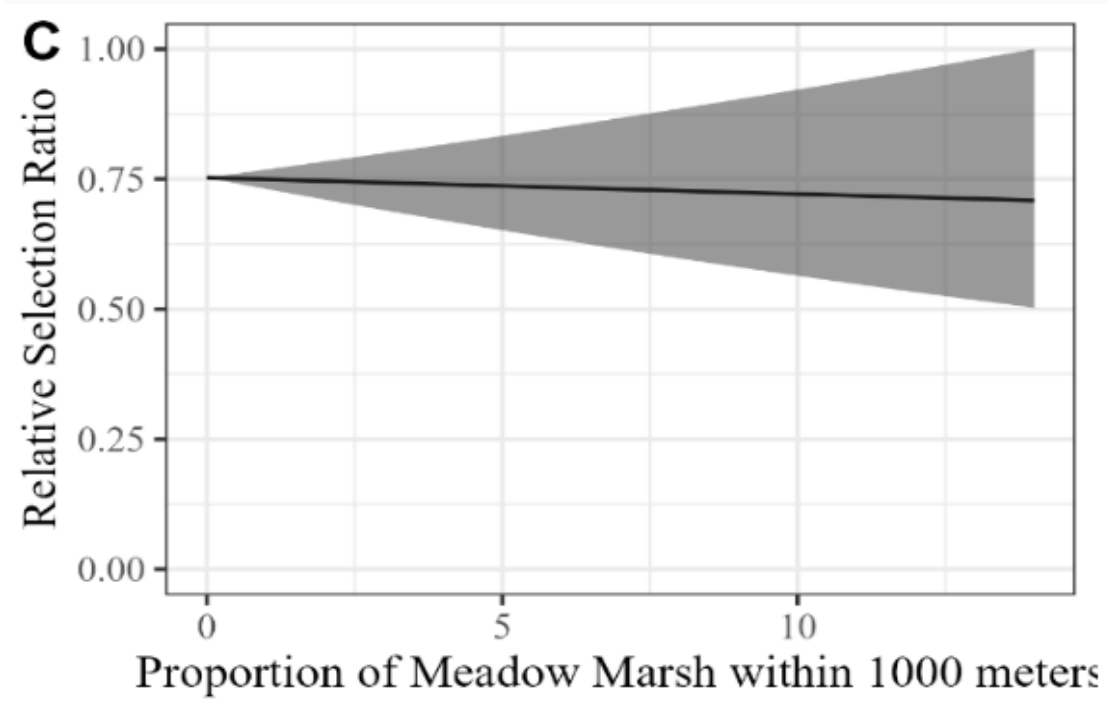


Ecotope Redo: Results

Original Ecotope Result



Updated Ecotope Result

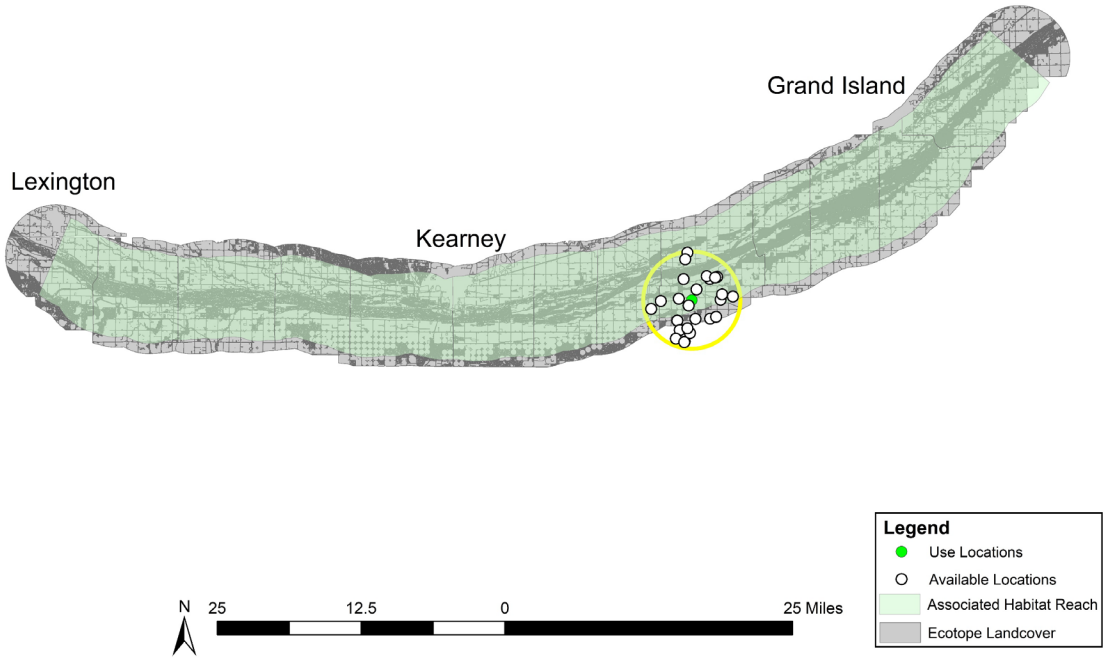
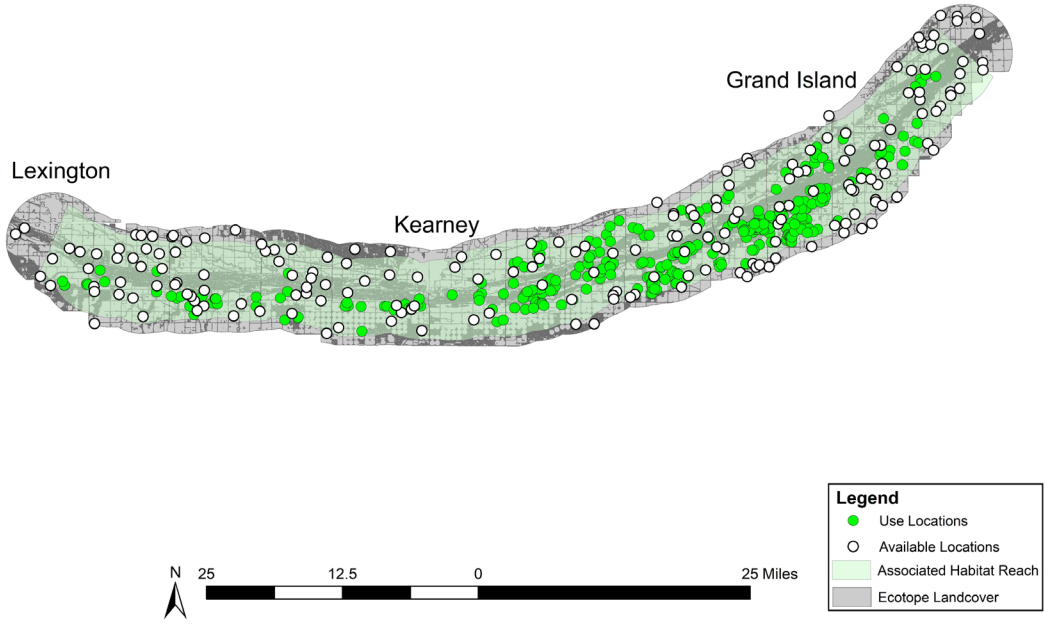


Interpretation of Results

Study	Analysis Update	Did Results Change for Wet Meadow?
WEST	with the Ecotope landcover	No
WEST	without riverine locations	No
WEST	without riverine locations AND using Ecotope landcover	No
Ecotope	with constrained locations	Yes

Conclusion

- Comparing use locations to *available locations* *<u>nearby</u>* *(WEST), rather than* *<u>throughout</u>* *the AHR (Ecotope)*, resulted in divergent conclusions about the selection of wet meadows for whooping cranes.



vs.