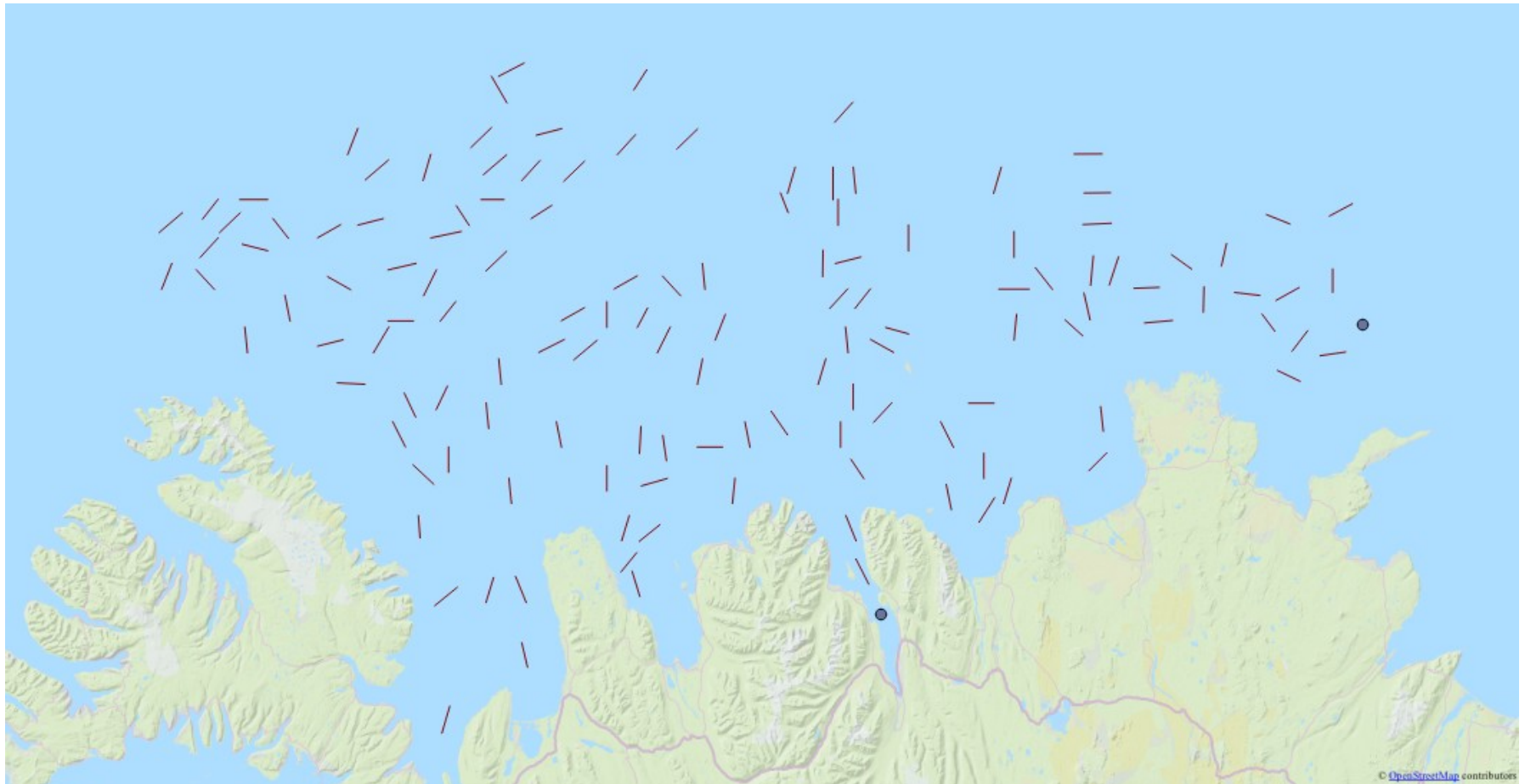


VEL113F Design Optimization
Project Introduction
Luke Peterson

Traveling Salesman Problem



Objective

- “Shortest path”
 - Include current
 - Include landmass
 - Does not include wind
 - Does not include slower travel during trawling

Challenges

- Wind Direction
- Ocean Currents
- Land

Status

- ✓ Edge Recombination – 10000 gen
- ✓ Ordered Crossover – 10000 gen
- ✗ Lin-Kernighan heuristic