







Grids - before and after

Points - action and control







A GRID = 3 TRANSECTS (LINES)

Wooded dunes







"White" sand dunes







A GRID = 3 TRANSECTS (LINES)











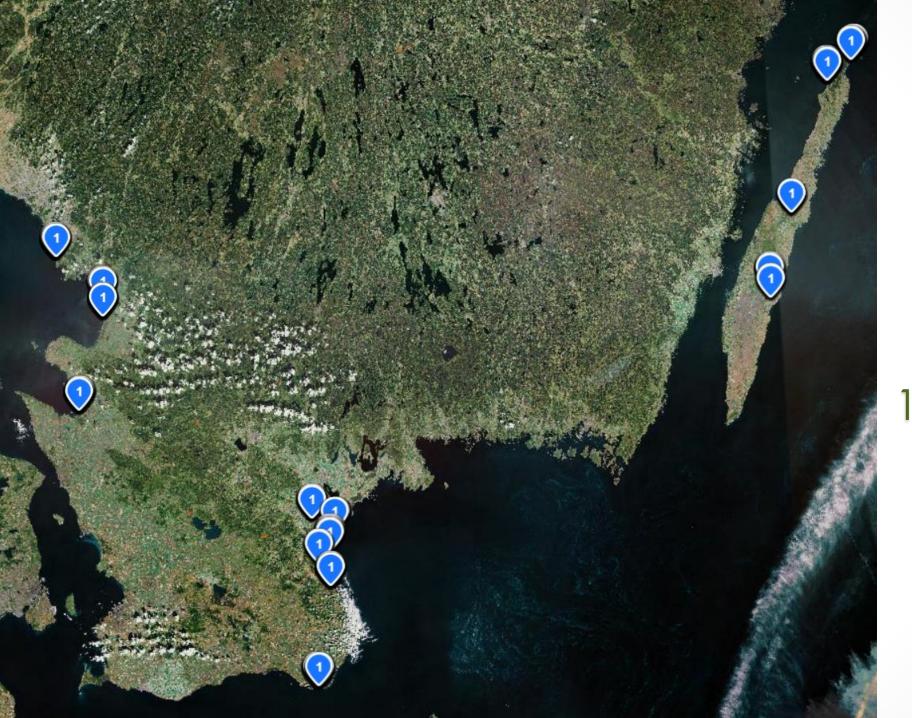
- Bees and Wasps
- Butterflies
- Beetles



• Plants







25 GRIDS

17 in sand dunes8 in grasslands



POINTS

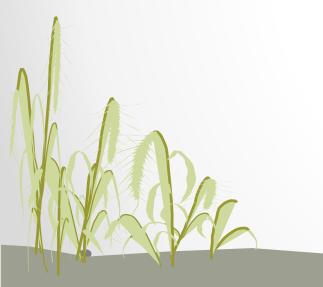
- ☐ Action e.g. "Creating Sand Plot"
- **□** Control

- Bees and Wasps
- Beetles
- Butterflies
- Spiders
- Plants

Birds, Moths

POINTS

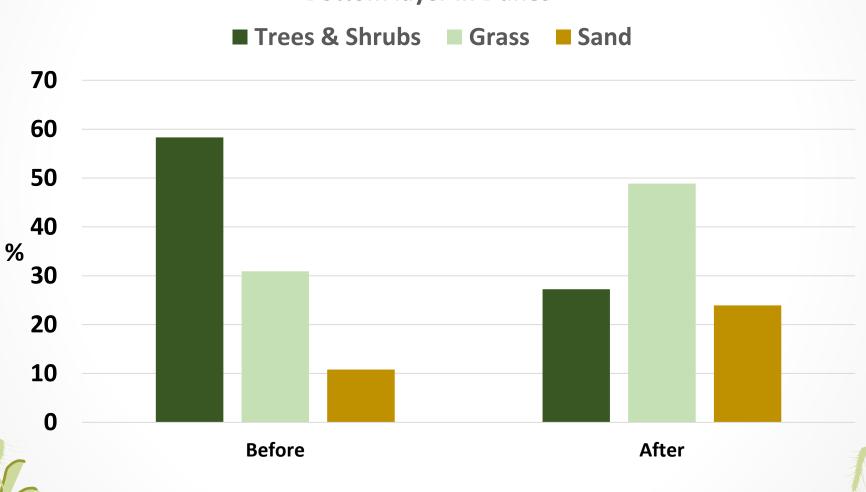
RESULTS





Habitat structures

Bottom layer in Dunes



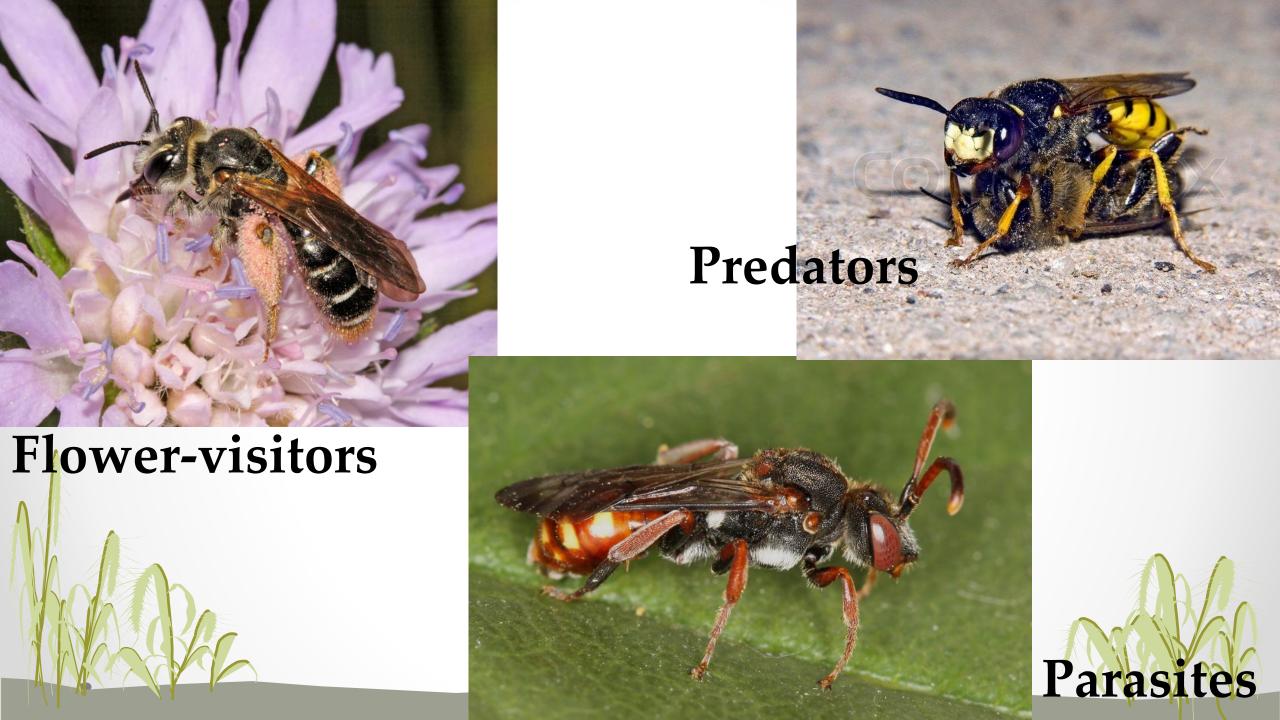


Bees and Wasps

Hymenoptera



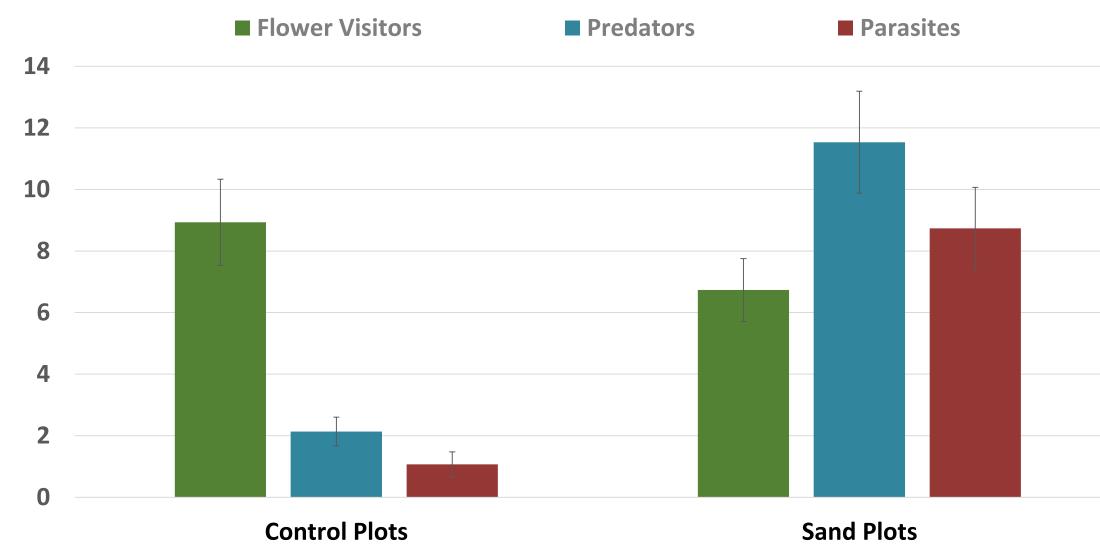




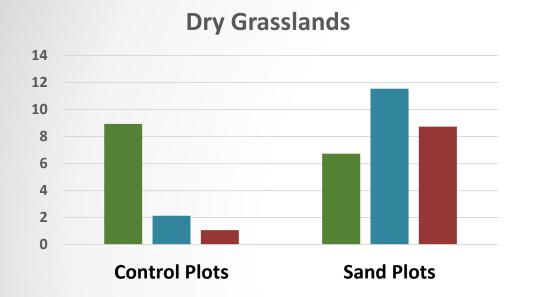


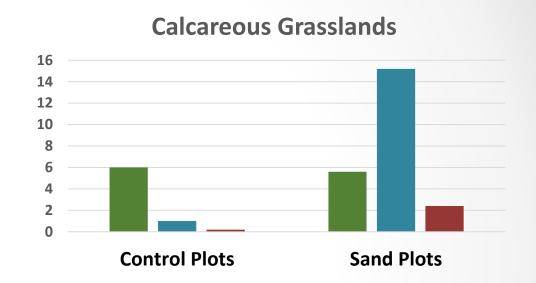
Sand plots favour predators and parasites!

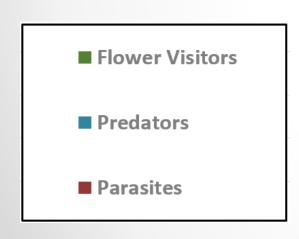
Bee and Wasp specimens per plot in Dry Grasslands

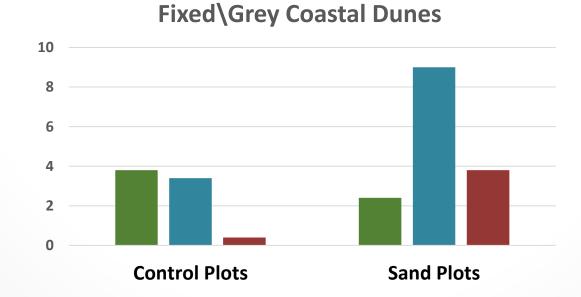


...and the results are consistent throughout habitat types!





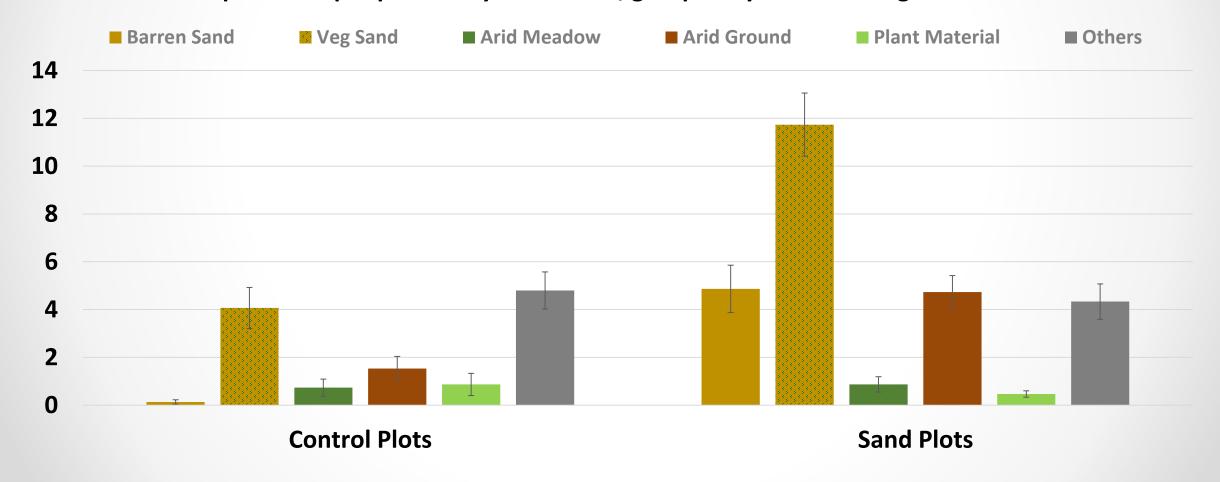




NEST BUILDING DEMANDS



Specimens per plot in Dry Grasslands, grouped by Nest Building Demands





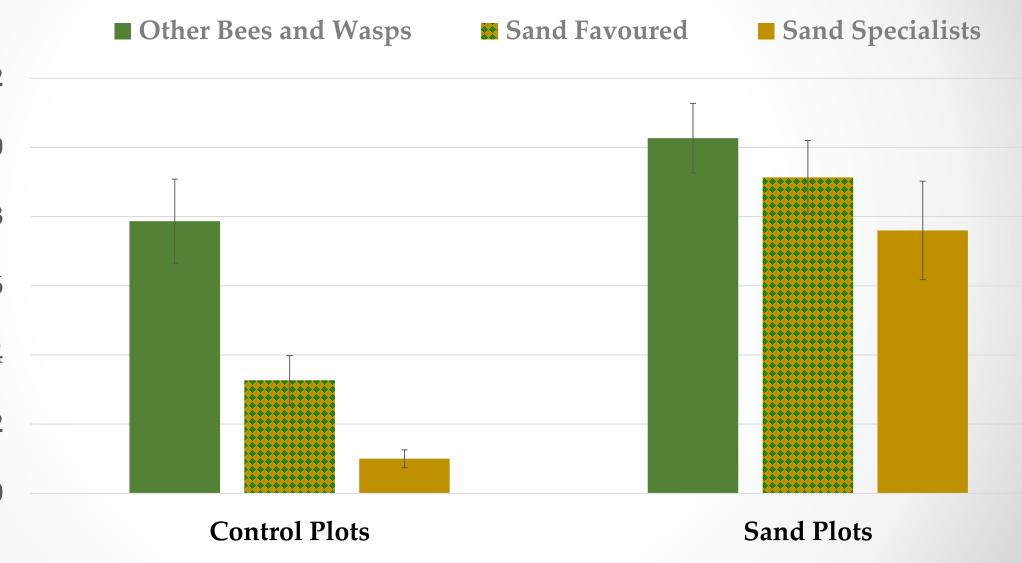
Sand Favoured

Others



Sand plots favour sand specialists

Specimens per plot in Dry Grasslands, grouped by sand affinity



DUNE GRIDS









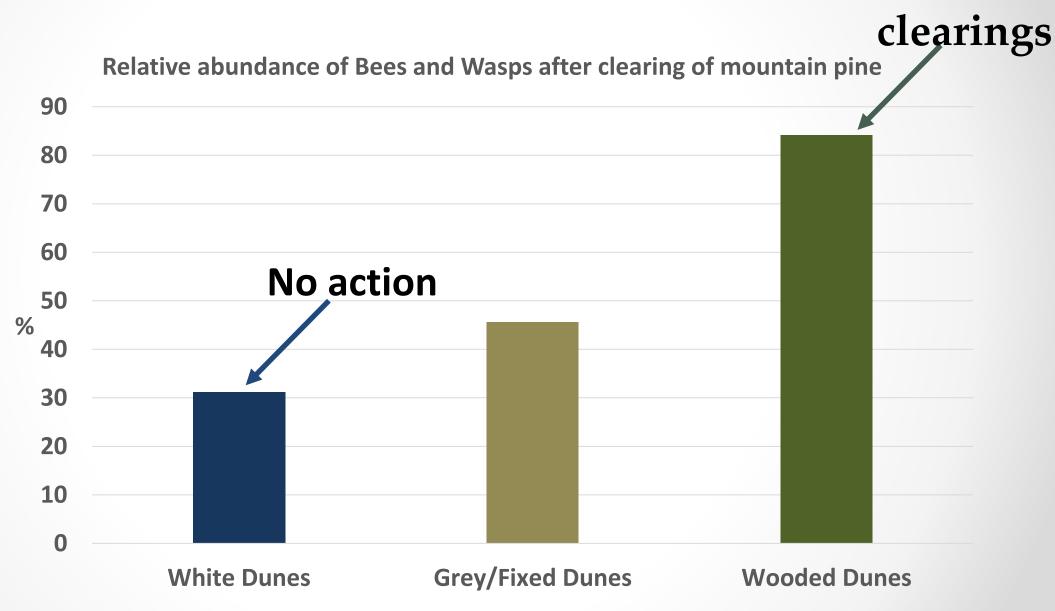
"White" sand dunes





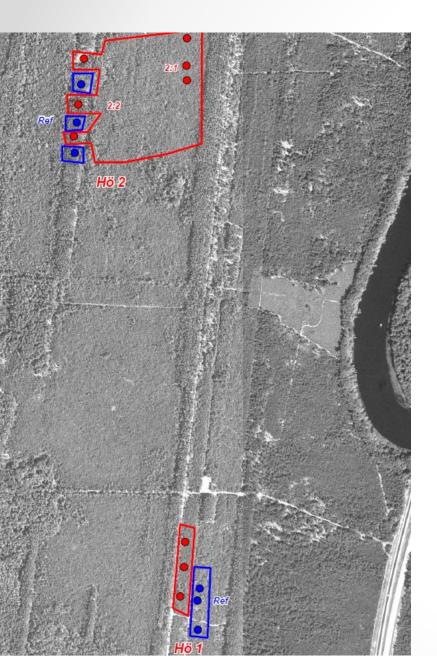


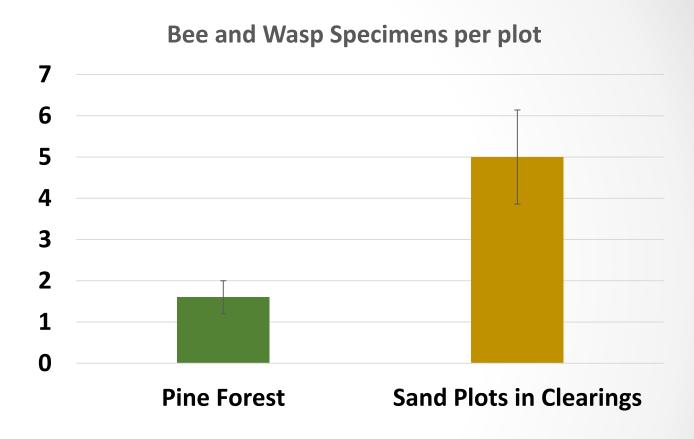
Fewer observations 2017 compared to 2013 but...



Pine

Another look at clearings and sand plots...









Beetles Coleoptera







Sand Specialists



Other Beetles



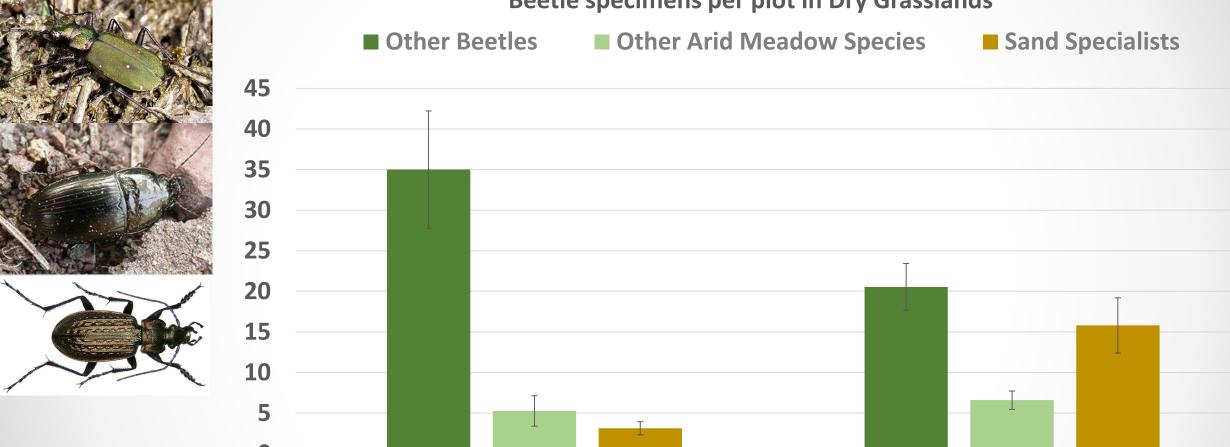
Other Arid Meadow Species



Sand plots favour Sand Specialist Beetles!

Beetle specimens per plot in Dry Grasslands

Sand Plots



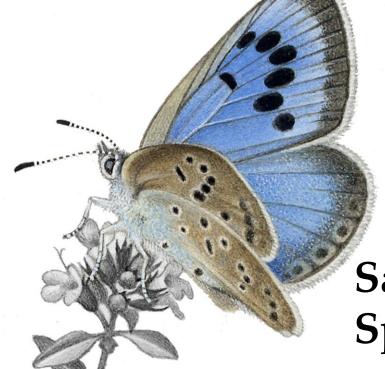
Control Plots



Lepidoptera







Sand Specialists



Other Butterflies

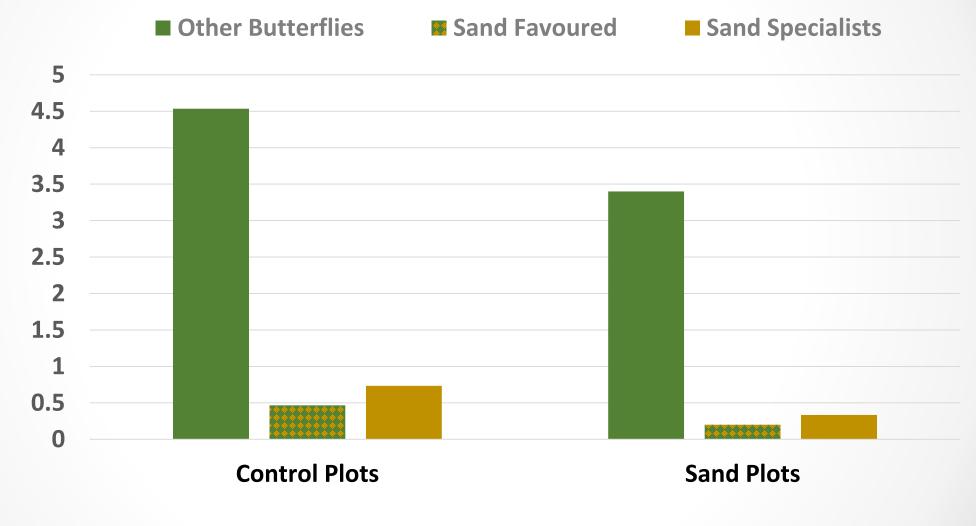






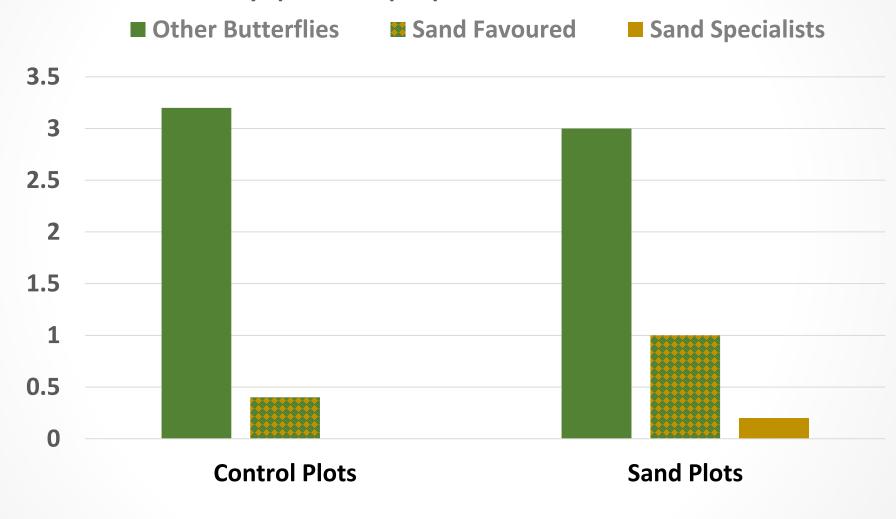


Butterfly specimens per plot in Dry Grasslands





Butterfly specimens per plot in Calcareous Grasslands





Sand Specialists

Sand Favoured

Spiders Araneae



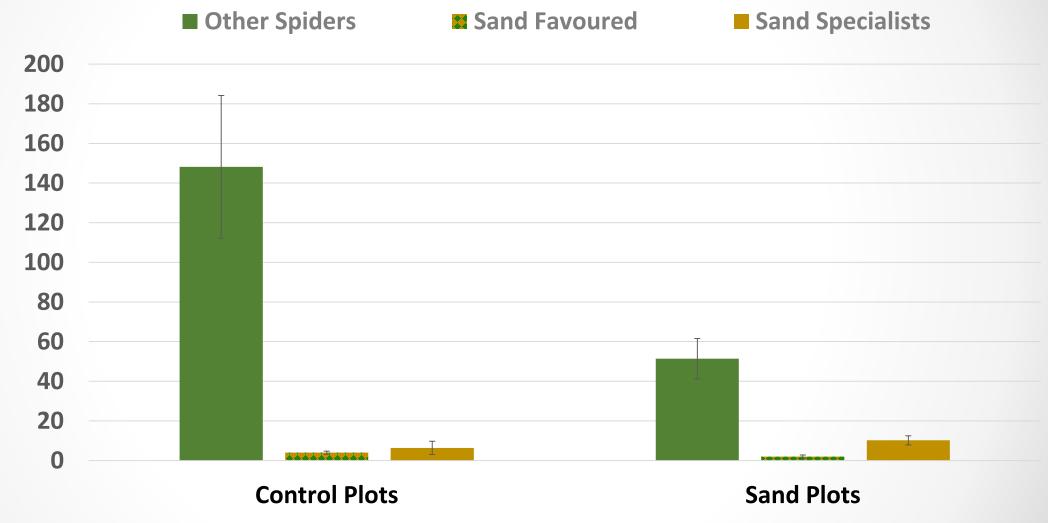






Spider Community Shift in Sand Plots

Number of spiders per plot in Dry Grasslands





Spider Community Shift in Sand Plots

Abundance of spiders before and after clearings

