



Improving water use estimates of alien invasive *Prosopis chilensis* trees by improved leaf area estimates along the Fish River in Namibia

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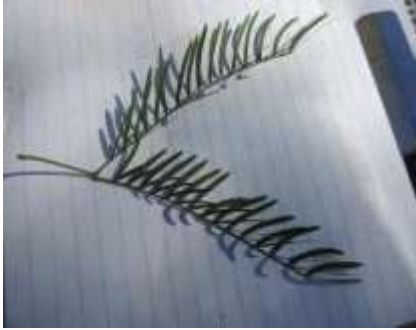
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Introduction

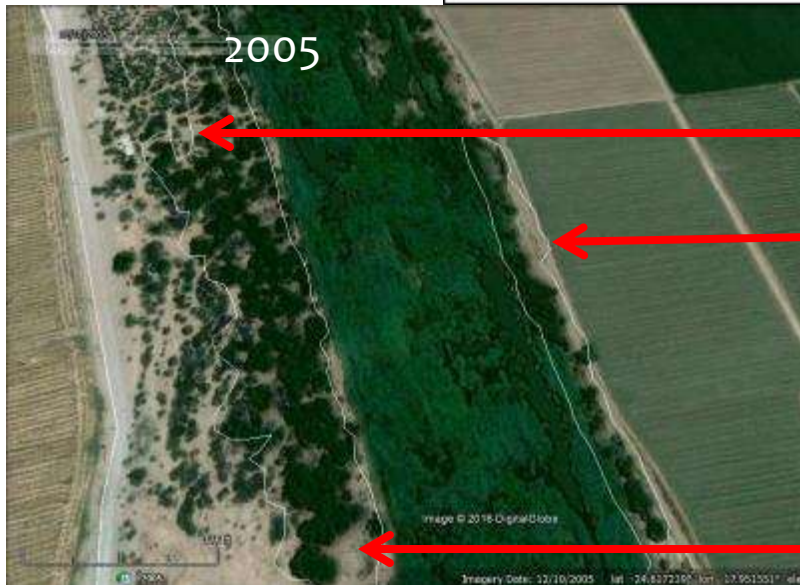
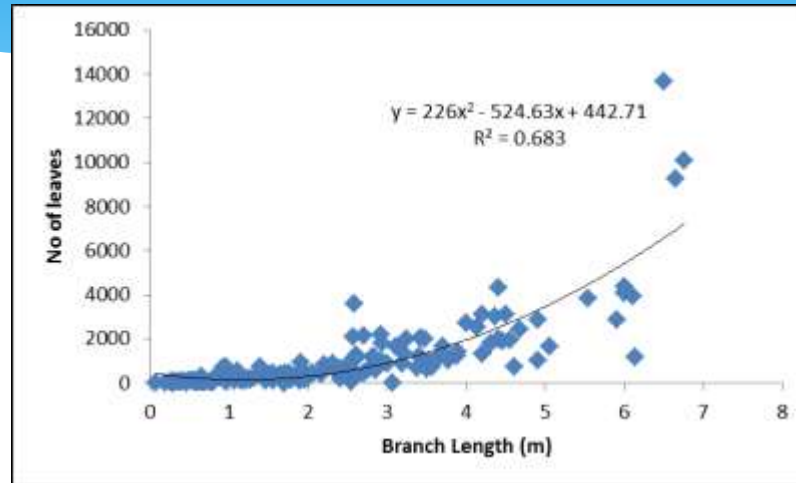
- * Three species of *Prosopis* were introduced into Namibia during 1912 as fodder and shade trees.
- * Excessive spread in central, south and eastern parts of Namibia.
- * *Prosopis* are known as a phreatophytic plants.
- * Central Namibia is currently faced with severe water supply challenges.

Methods



- Leaves on 220 branches from sample of 52 trees were counted.
- Leaf area of 103 leaves were measured using Image J, to determine the average total leaf area per tree size class.
- Google Earth was used to map out *Prosopis* stands.

Preliminary results



Thank you



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