

Brief introduction of two sites at Alice Springs for TERN project

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Two sites indicated on GoogleEarth



Sites Characters

- Located ~200 to 300 km north of Alice Springs
- Two sites are ~100km apart
- Two sites differ in depth to ground water with gradient North to South
 - Site One - ~ 3 - 6 meters to ground water
 - Site Two - ~ 40 meters to ground water

- River bed adjacent at both sites
- shots of riparian zone
- The rivers are dry most of the year for most years
- Ground water moves slowly from N to S

- Sides of the rivers – populated by River Red Gums (*Eucalyptus camaldulensis*)
- Away from the rivers – covered by Mulga (*Acacia Aneura*)













We want to look at responses of

- CO₂ and H₂O fluxes
- Vegetation
- SOC, C and N turnovers
- Dynamics of soil microbe community

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to the pulses of rain, ground water
availability and season changes

- We just complete lab test of our 1st EC system
- A test run at Richmond (60 km west of Sydney) for next 2 months along with a Scintillometer and 2 Bowen Ratio systems
- System will be deployed to Alice Springs in Sep/Oct







Thank You