

Nitmiluk National Park Carbon Fire Project

2019 Report

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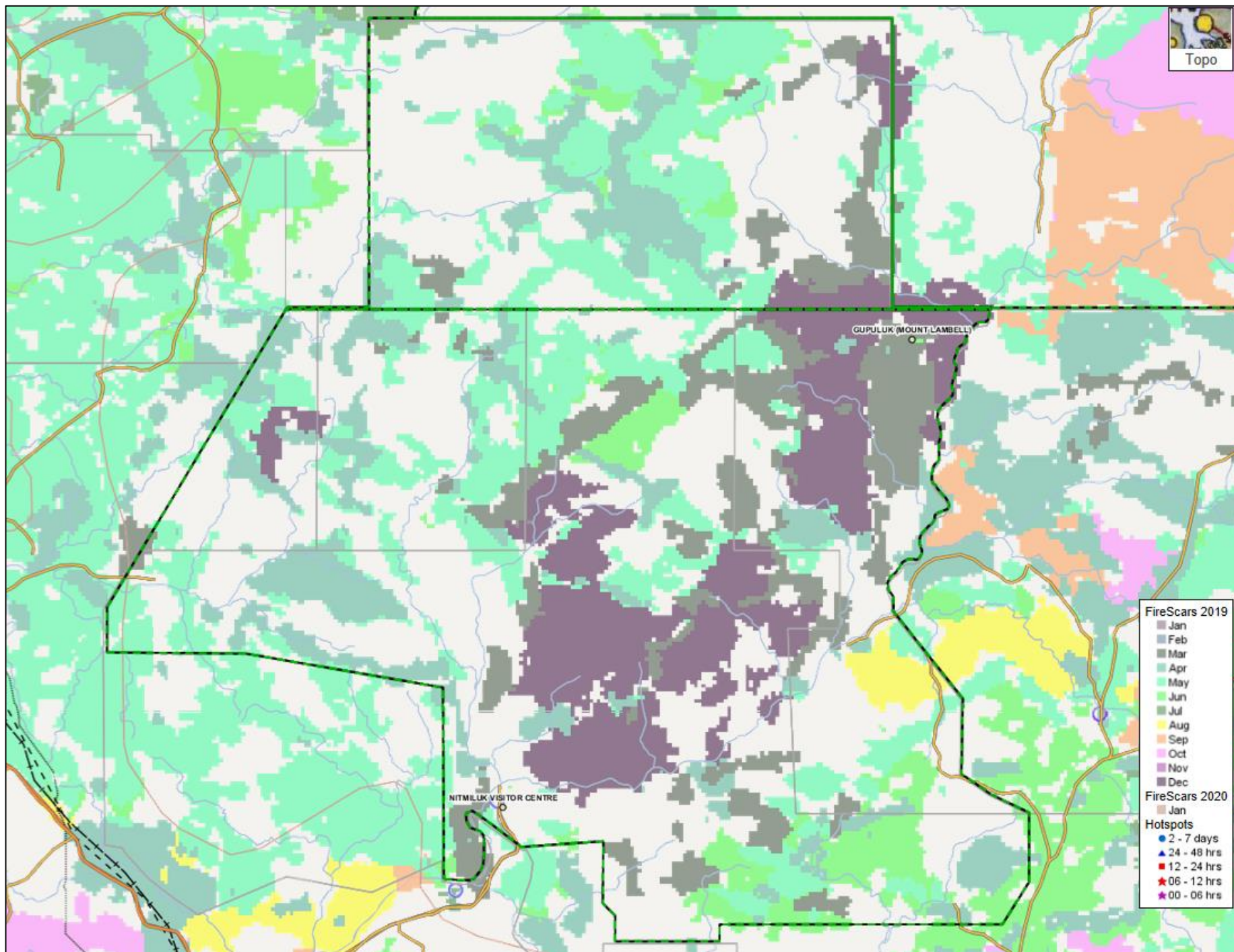
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- **Project background**
- Jawoyn Fire Project 2 registered in late 2015 as an opportunity to earn carbon credits through savannah fire management
- Project area includes Nitmiluk National Park and surrounding land trusts
- Opportunity for Parks & Wildlife and Jawoyn to work together to achieve multiple objectives, such as:
- Greenhouse gas abatement
- Asset and infrastructure protection
- Visitor safety
- Biodiversity enhancement
- Cultural protection
- Knowledge sharing & connection to country
- Employment and training



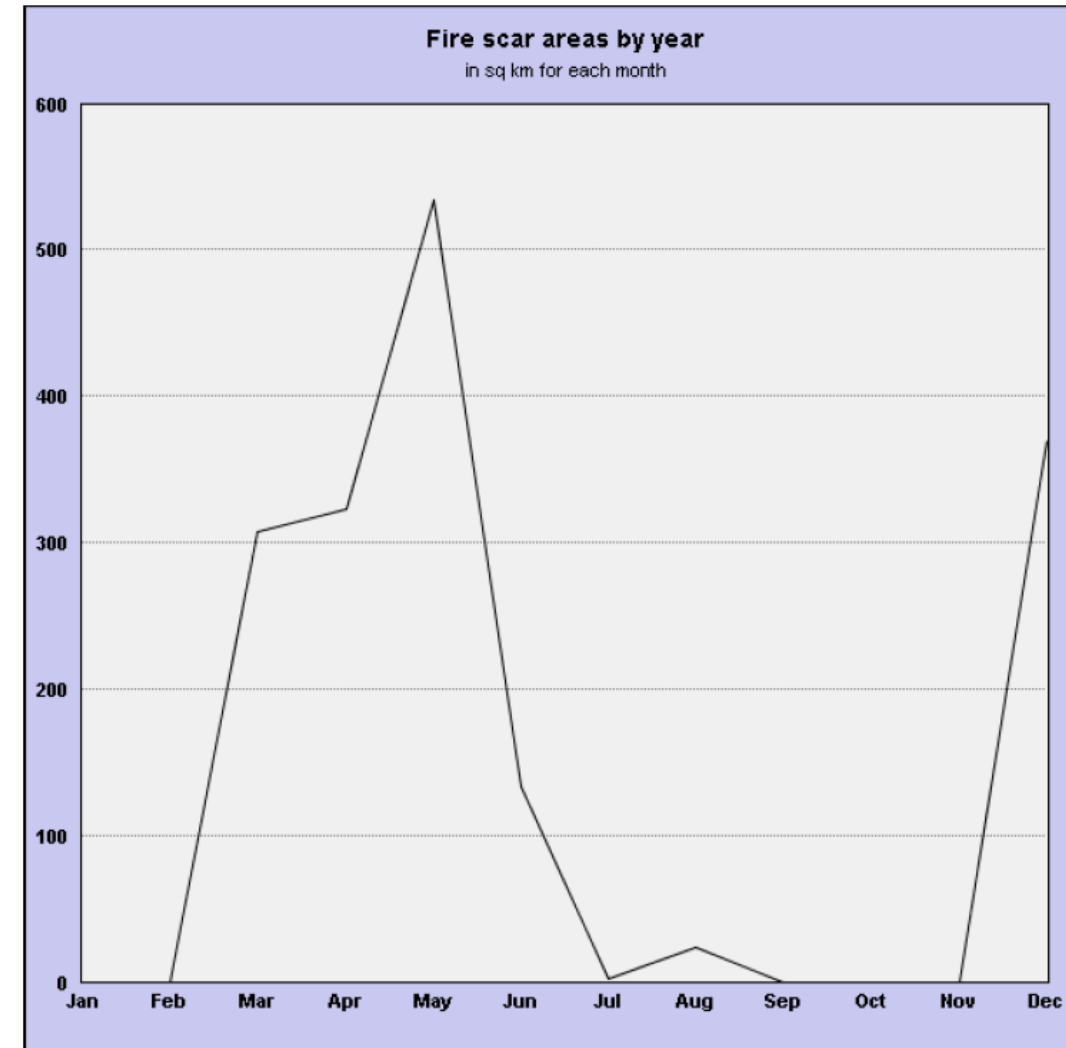
- **2019 Summary**
- Nitmiluk Ranger Station total rainfall: 716mm (mean rainfall 1300mm)
- 2019/20 wet season to date (Oct 19 to mid-Feb 20): 305mm
- 58% Park burnt (1694.5km²)
- 13% late dry season (LDS)
- Management effort:
 - Approx. 30 hours helicopter charter (20 APB, 10 wildfire response)
 - Ground based asset protection (walking trails, campgrounds etc) and wet season/early dry ground based prescribed burning in 'intensive use zones'
 - Average abatement (tonnes CO₂-e) Nitmiluk only: 25,000 p.a.
 - Training and capacity building
 - Community engagement and education (Jawoyn led)
 - Wildfire suppression activities (Jawoyn and Parks working together)



Fire scar areas by year

<https://www.firenorth.org.au/nafi3/>

2019	Area sq km	Area %
Jan	.0	.0
Feb	.0	.0
Mar	307.4	10.5
Apr	322.8	11.0
May	534.5	18.3
Jun	133.7	4.6
Jul	2.5	.1
Aug	23.9	.8
Sep	.0	.0
Oct	.0	.0
Nov	.0	.0
Dec	369.6	12.6
Unburnt	1229.0	42.0
Total area: 2923.5	Total area burnt: 1694.5	Total area burnt % : 58.0



- **2020 Outlook**
- If lower than average rainfall persists this will result in less fuel growth but drier conditions much earlier – monsoon rainforest protection?
- Continue wet season APB program, ie: 17 mile valley
- 'Intensive Use Area' asset and infrastructure protection (Gorge & Edith Falls)
- Fire plot vegetation surveys
- Sandstone heath fire ecology and management project (Harry MacDermott)
- Jawoyn rock art site assessment and protection
- Annual fire camp – ground based prescribed burning in SE to protect Lancewood community
- Objective to increase years since last burnt, and reduce fire frequency particularly in sandstone heath communities

Wet season APB - lowland woodland (24/01/20)

