

# NGURRARA 2 WAY LEARNING PROJECT



Ngurrara Rangers  
PO Box 40 Fitzroy Crossing, WA 6765  
Djugerari Office Ph: (08) 9191 7779




Kimberley  
Land Council


# Broome

Ngurrara covers 85,000 square kilometres of the Great Sandy Desert.

IPA covers 1.6 million hectares of country.

## BOUNDARIES

 Warlu\_Jilajaa

 Ngurrara\_boundary

25 50 100 150 200  
Kilometers

# Seasonal Calendar

- Traditional Owners (TO) identify difference in the change of seasons in the land.
- Back to country trips with TO's
- Collecting data on the cyber tracker.
- Monitoring native plants in different areas.

**Welcome**

**Access**

You must log in to see information that you have created or has been shared with you. If you don't login, you will only see the public information.

**Overview**

The Ngurrara seasonal calendar is being developed in partnership with the Warlu Jilajaa Jumu Indigenous Protected Area and the Ngurrara ranger program from the southern Great Sandy Desert region of the Kimberley. The seasonal calendar database provides the means to capture and store traditional knowledge to describe the interactions between changing weather patterns and flora and fauna behaviour within their 75,000 sq km native title estate.

The database has been designed to provide an organized structure for the quantification of the TEK to inform conservation activities by rangers and IPA managers. This has enabled traditional owners to record cultural keystone species and bi-temporal indicators of environmental change. Importantly the Ngurrara seasonal calendar database allows rangers to evaluate both positive and negative feedbacks within the environment to design targeted action based work plans based on TEK that responds to ecosystem needs for better conservation outcomes.

Season	Month	Traditional Name
WET	JAN	YITILAL
	FEB	Warla
	MAR	Yiwani
HOT	OCT	Urina
	NOV	Jikik
	DEC	Miljirtawurru
COLD	APR	Jihigin
	MAY	Jakadokakutu
	JUN	Partiri
PARANGA	SEP	
	OCT	

# Project Partners

- SHELL – funding partner
- KLC – Kimberley Land Council
- UWA – University Western Australia
- YAC – Ngurrara PBC
- Marra Worra Worra – resource agency
- 3 schools in the Fitzroy Valley
  - Fitzroy Valley District High School
  - Djugerari Remote Community School
  - Yakanarra Community School.



# Objectives

Learning about water in 2-ways:

- Science
- Traditional knowledge (TK)



## *Three strands:*

### **Education**

- Student engagement through ranger program
- Traditional Knowledge transfer
- Back to country trips awarded if attendance is 90%.

### **Employment**

- Youth & school leavers develop technical, personal and social skills

### **Environment**

- Learn where jilas connect to groundwater and how water moves underground.

# Challenges

## 1. Engaging unemployed youth

- How to approach and motivate youth?
- Encouraging family and community support

## 2. Managing TO expectations

- High interest in project
- Large area
- 4 languages
- Limited time, resources



# Outcomes

## Ngurrara rangers

- water monitoring training
- Understanding water flows
- skills and experience
- Future business opportunities

## Scientific and Traditional knowledge

- how jilas are connected and where groundwater flows
- baseline data on seasonal variation in jilas and groundwater

## Students

- increase attendance
- Pathway to their future as a ranger.

