

# Borumba Pumped Hydro Project - Transmission Line Connections

Release of Recommended Corridors

Borumba to Woolooga & Borumba to Halys

Burnett Stakeholder Reference Group

April 2023

# Welcome

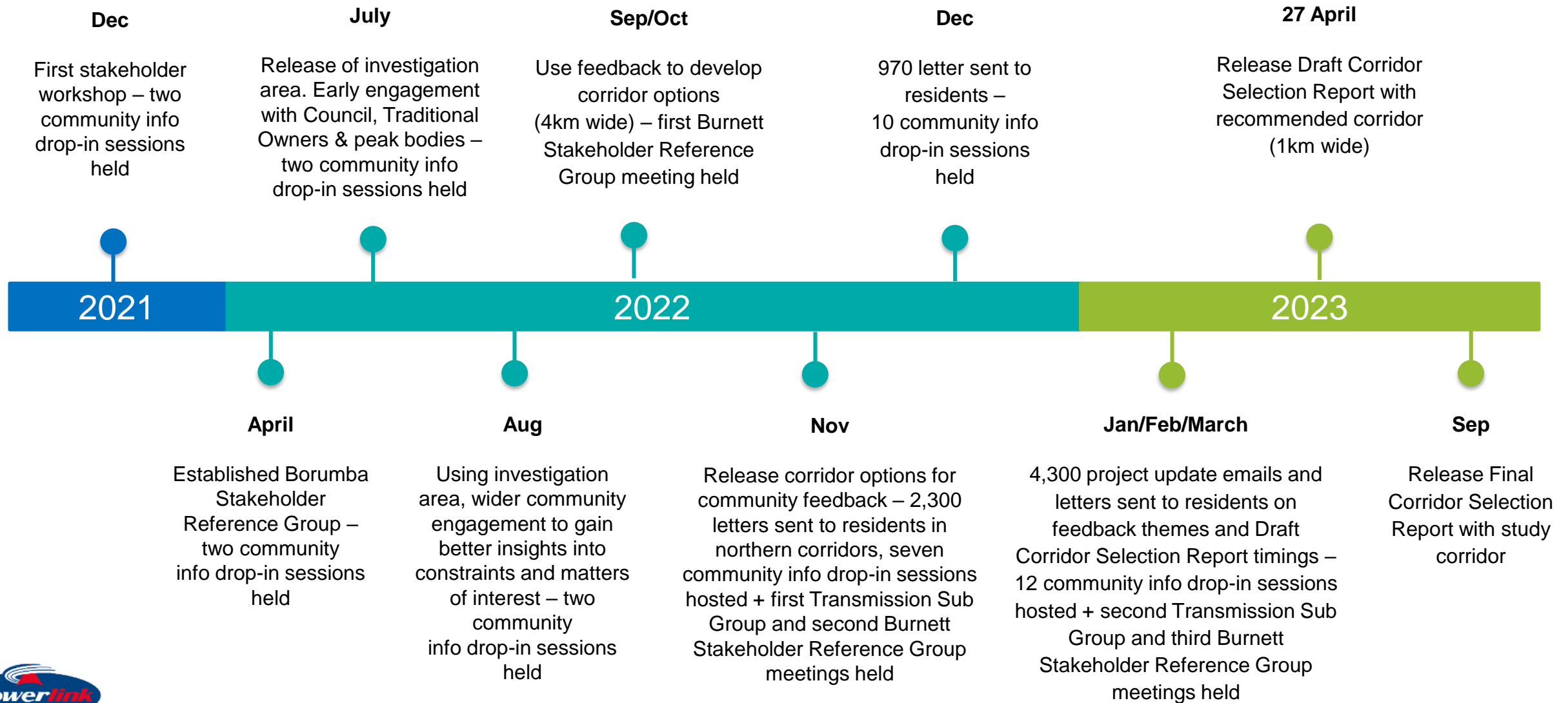
- Transmission engagement timeline and activities
- Feedback themes received
- Assessment framework
- Transmission line recommended corridors
- Next steps



# Acknowledgement

Powerlink acknowledges the Traditional Owners and their custodianship of the lands and waters of Queensland and in particular, the lands on which we operate. We pay our respect to their Ancestors, Elders and knowledge holders and recognise their deep history and ongoing connection to Country.

# Engagement timeline





# Engagement approach

- Since December 2021:
  - 37 community drop in sessions
  - 2,060 project update emails sent
  - 7,200 letters sent
  - more than 500 digital/hardcopy feedback forms received
  - 1,000 comments received/responded to on our online interactive map
  - more than 13,000 visits to the project website



# Feedback themes received



Loss of property value and compensation framework



Visual impacts of the transmission line and impacts to key recreation and tourism areas



Impacts to farming operations and biosecurity threats



Preference for infrastructure to be located through State Forest and other state-owned land

# Feedback themes received



Importance of preserving local wildlife



Perceived health effects from Electric and Magnetic Fields (EMF)



Vegetation management and impacts to remnant vegetation in the region



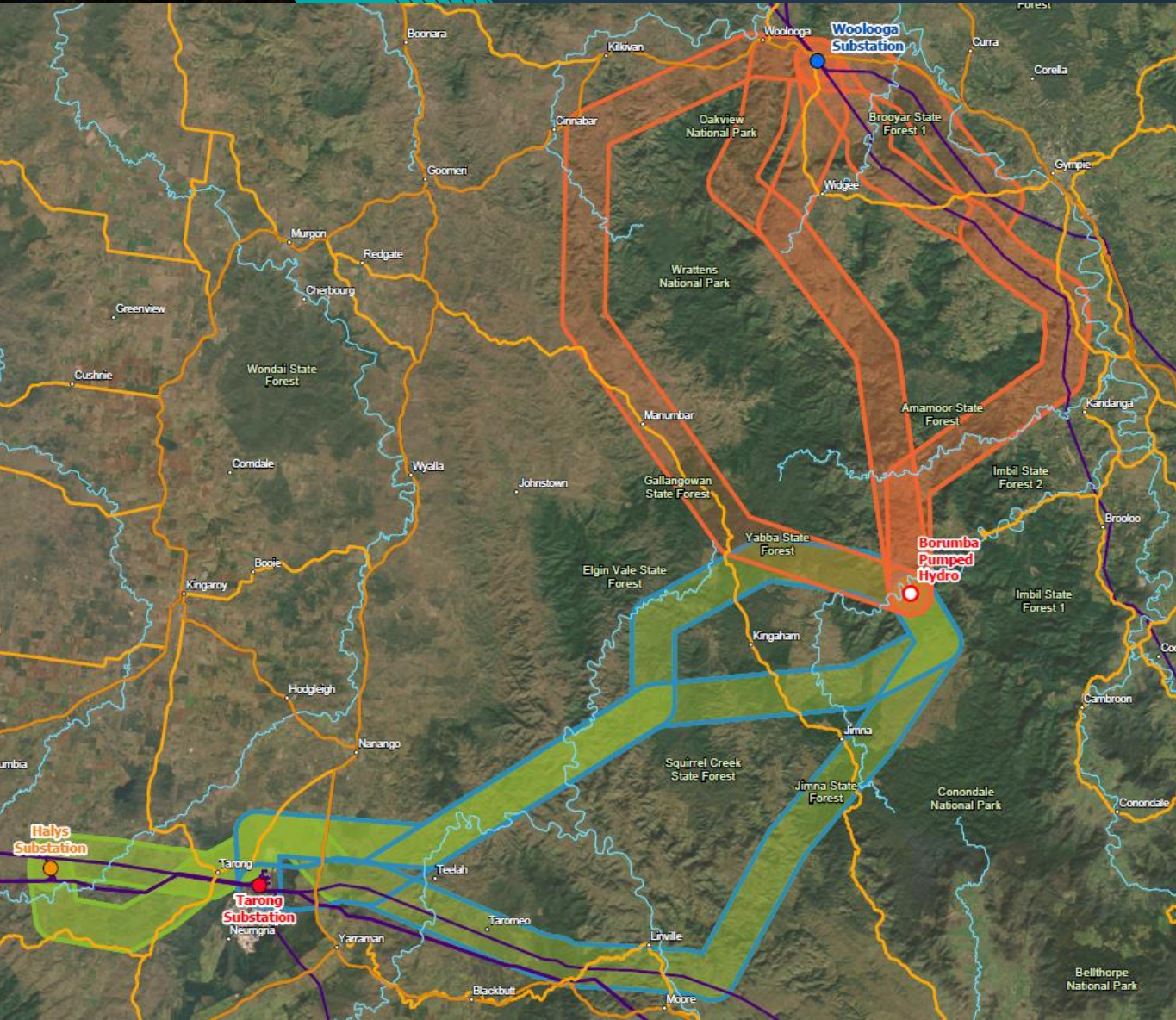
Biodiversity and compliance with environmental legislation



Preference for infrastructure to co-locate with existing transmission lines



# Transmission Line Corridor Options



- Released in November 2022
- Three potential corridor options for the Woolooga-end - Western, Central and Eastern
- Three potential corridor options for the Halys-end - Northern, Central and Southern
- Corridor options were 4km wide, final selected alignment is 70m (500kV)



# Assessment framework

## Balancing three key project objectives



### Social

To consider the use of land and the community livelihood within and adjacent to corridor options.



### Environment

To consider a balanced approach to corridor selection with the least practicable impact on environment and heritage values.

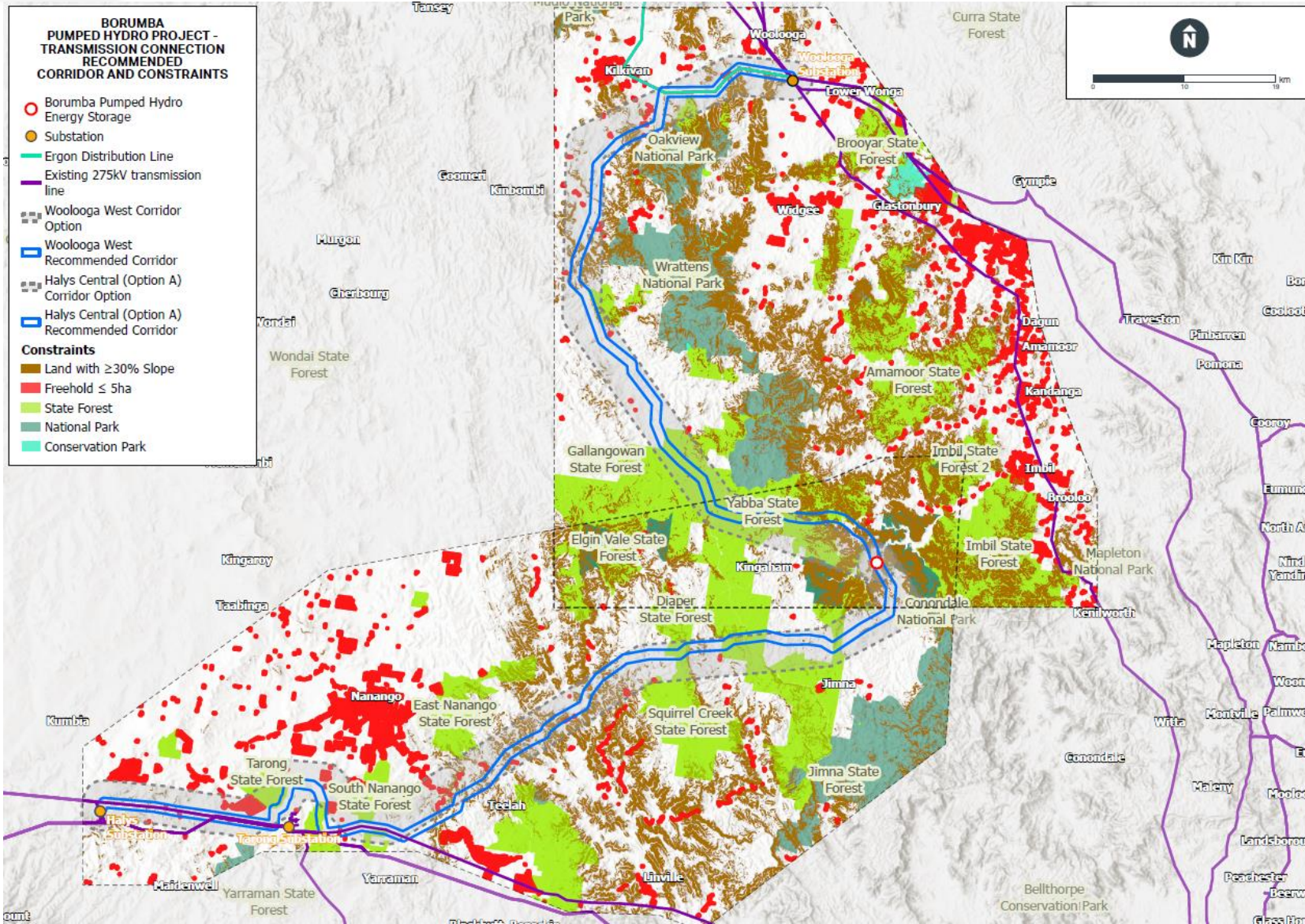


### Economic

To consider construction and operational factors such as cost at a preliminary level, given the scale of the project.

Where we can't avoid, we will manage, minimise or mitigate our impacts

# Recommended Corridors





# Woolooga West Corridor details

## 4km-wide Corridor Option

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- highest percentage of state-owned land
- impacts on the least number of properties, in particular those <5ha
- least impact on National Parks
- least impact on strategic cropping and agricultural land
- least impact on intensive land use

## 1km-wide Recommended Corridor

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- 27% state-owned land
- 5 - Number of small properties impacted
- Zero impact on National Parks
- 382ha impact on strategic cropping and agricultural land (4.3% of the corridor)
- 89ha impact on intensive land use (1% of the corridor)





# How we listened

Key feedback received	Included	Outcome
Minimise impact to private properties	✓	Lowest number of private properties impacted
Avoid going through townships	✓	Avoids community centres
Use state-owned land	✓	Highest percentage of state-owned land
Avoid impacts to small block of land	✓	Recommended corridor routed away from small residential blocks
Avoid impacts to agricultural/farming land	✓	Least impact on agricultural farming land
Avoid ridgelines, gullies and tributaries which have high potential for sensitive cultural heritage values	✓	The recommended corridor extends outside the 4km-wide corridor option to avoid sensitive environmental and cultural heritage sites
Minimise impacts to vegetation and wildlife	✓	National Parks and conservation areas will not be impacted. Opportunities to minimise the impact on remnant vegetation have been found



# Halys Central (Option A) Corridor details

## 4km-wide Corridor Option

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- impacts on a lower number of properties, strategic cropping and intensive land use
- has the least overall impact on environmental criteria, including essential habitat
- is the shortest corridor length, with the opportunity to co-locate with existing transmission lines.

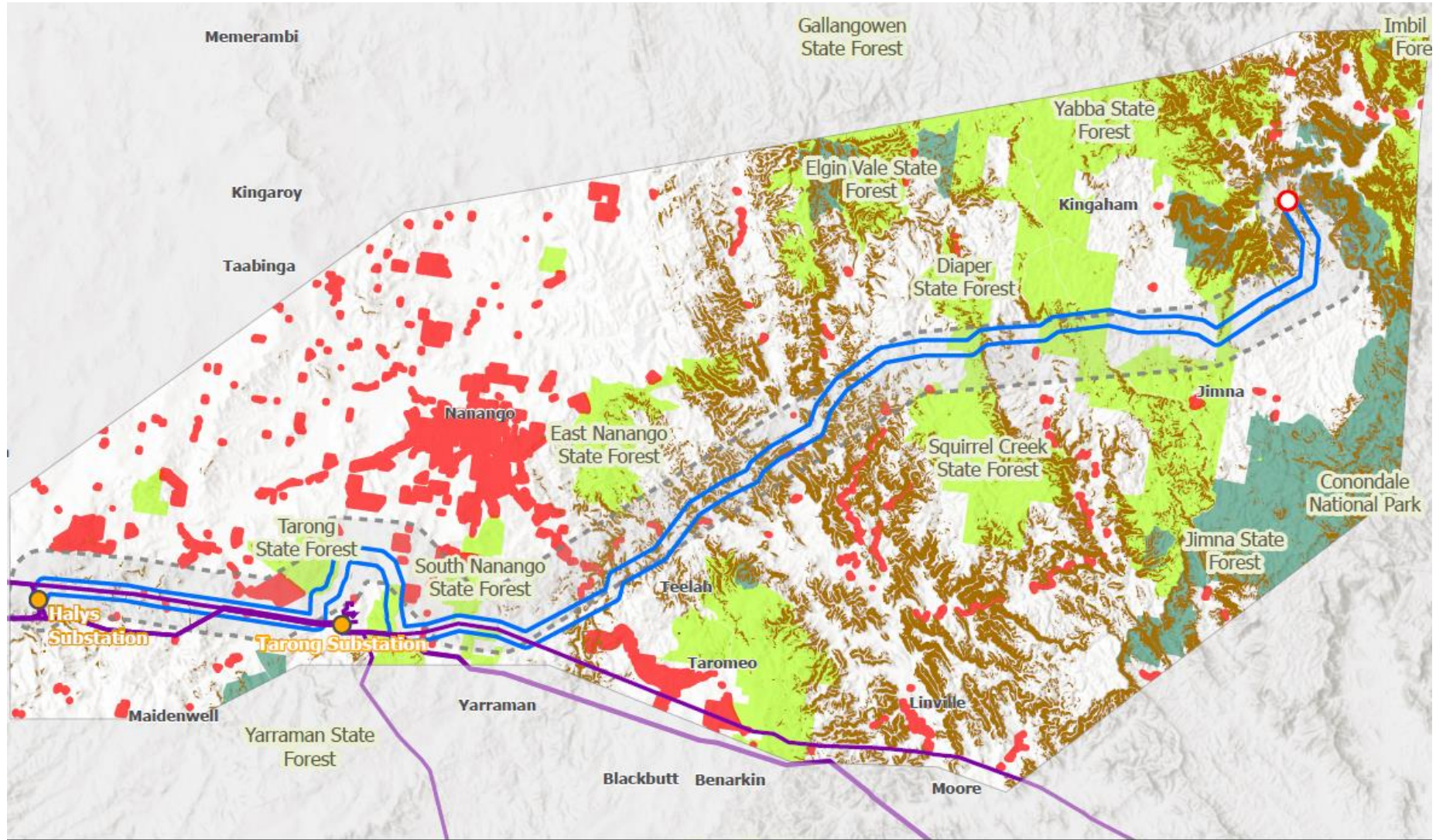
## 1km-wide Recommended Corridor

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- 12% state-owned land
- 18 – number of small properties affected
- Zero impact on National Parks
- 858ha – Impact on strategic cropping and agricultural land (8.2% of the corridor)
- 25ha – Impact on intensive land use (0.2% of the corridor)



# Halys Central (Option A) Corridor



- Substation
- Borumba Pumped Hydro Energy Storage
- Existing 275kV transmission line
- Halys Central (Option A) Recommended Corridor
- Halys Central (Option A) Corridor Option
- Constraints**
- State forest
- National Park
- Conservation Park
- Freehold  $\leq$  5ha
- Land with  $\geq$  30% Slope

**POWERLINK -  
BORUMBA PUMPED  
HYDRO ENERGY STORAGE  
HALYS CENTRAL (OPTION A)  
RECOMMENDED CORRIDOR  
AND CONSTRAINTS**



# How we listened

Key feedback received	Included	Outcome
Minimise impact to private properties	✓	Lowest number of private properties impacted
Avoid going through townships	✓	Avoids community centres
Co-locate with existing infrastructure	✓	Infrastructure will be co-located between Halys Substation and Tarong Power Station
Avoid impacts to small block of land	✓	Recommended corridor routed away from small residential blocks
Avoid impacts to agricultural/farming land	✓	Least impact on agricultural farming land
Minimise impacts to vegetation and wildlife	✓	National Parks and conservation areas will not be impacted. Opportunities to minimise the impact on remnant vegetation have been found



➤ **26 and 27 April 2023**

Powerlink contacts landholders within the recommended corridors

Briefings with local government, environmental groups, stakeholder reference groups

➤ **27 April 2023**

Draft Corridor Selection Report (CSR) publicly released

➤ **Late May/early June**

Community information drop-in sessions to provide opportunity for comment on recommended corridors

➤ **3 July 2023**

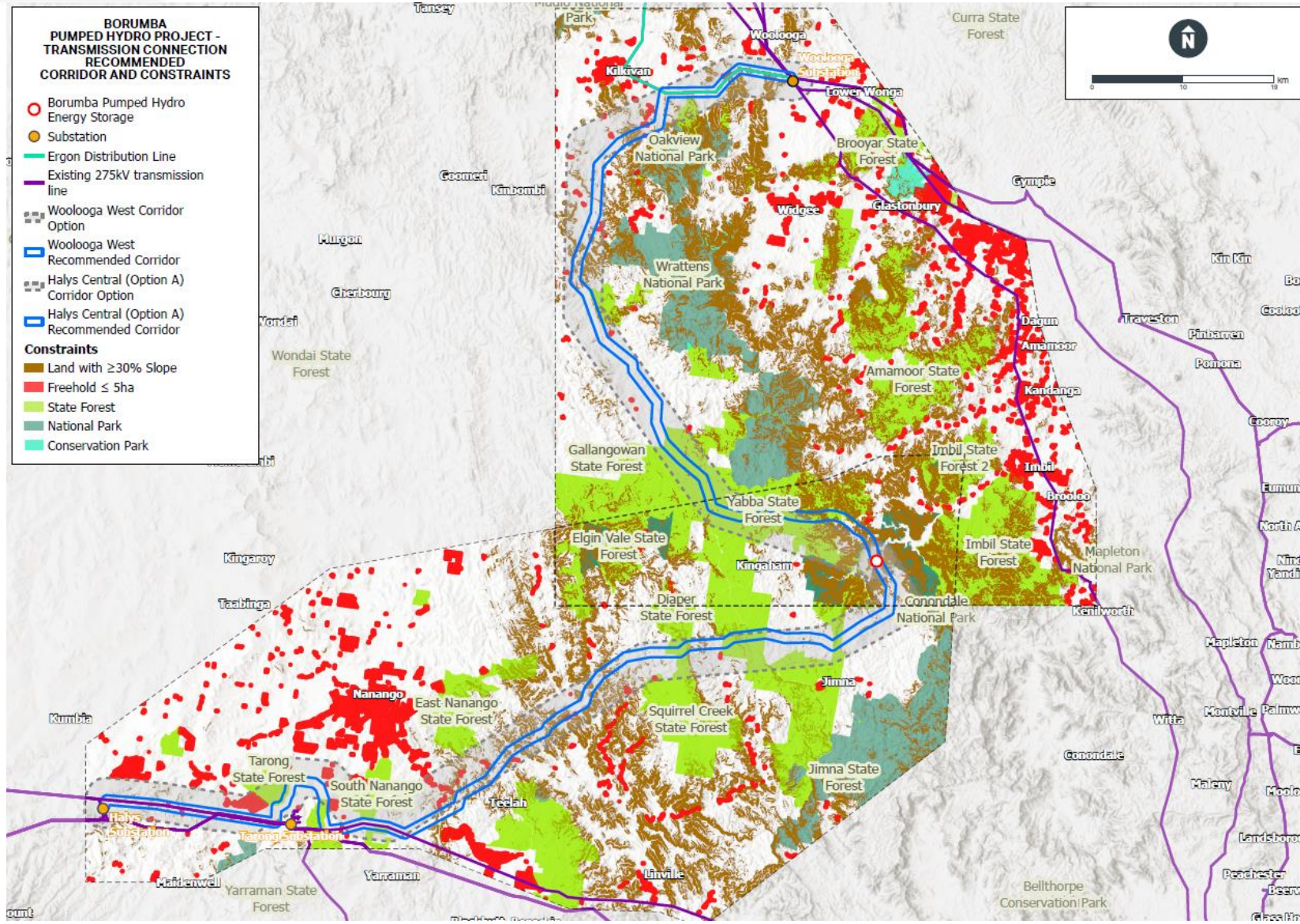
Submissions to Draft CSR closes

➤ **September 2023**

Final Corridor Selection Report publicly released



# Questions?



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