Borumba Pumped Hydro Project - Transmission Line Connections

Release of Recommended Corridors

Borumba to Woolooga & Borumba to Halys

Borumba to Woolooga 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

Dec

First stakeholder workshop – two community info drop-in sessions held

July

Release of investigation area. Early engagement with Council, Traditional Owners & peak bodies – two community info drop-in sessions held

Sep/Oct

Use feedback to develop corridor options (4km wide) – first Burnett Stakeholder Reference Group meeting held

Dec

970 letter sent to residents – 10 community info drop-in sessions held

27 April

Release Draft Corridor Selection Report with recommended corridor (1km wide)

April

Established Borumba Stakeholder Reference Group – two community info drop-in sessions held

Aug

Using investigation area, wider community engagement to gain better insights into constraints and matters of interest – two community info drop-in sessions held

Nov

Release corridor options for community feedback – 2,300 letters sent to residents in northern corridors, seven community info drop-in sessions hosted + first Transmission Sub Group and second Burnett Stakeholder Reference Group meetings held

Jan/Feb/March

4,300 project update emails and letters sent to residents on feedback themes and Draft Corridor Selection Report timings – 12 community info drop-in sessions hosted + second Transmission Sub Group and third Burnett Stakeholder Reference Group meetings held

Sep

Release Final Corridor Selection Report with study corridor

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

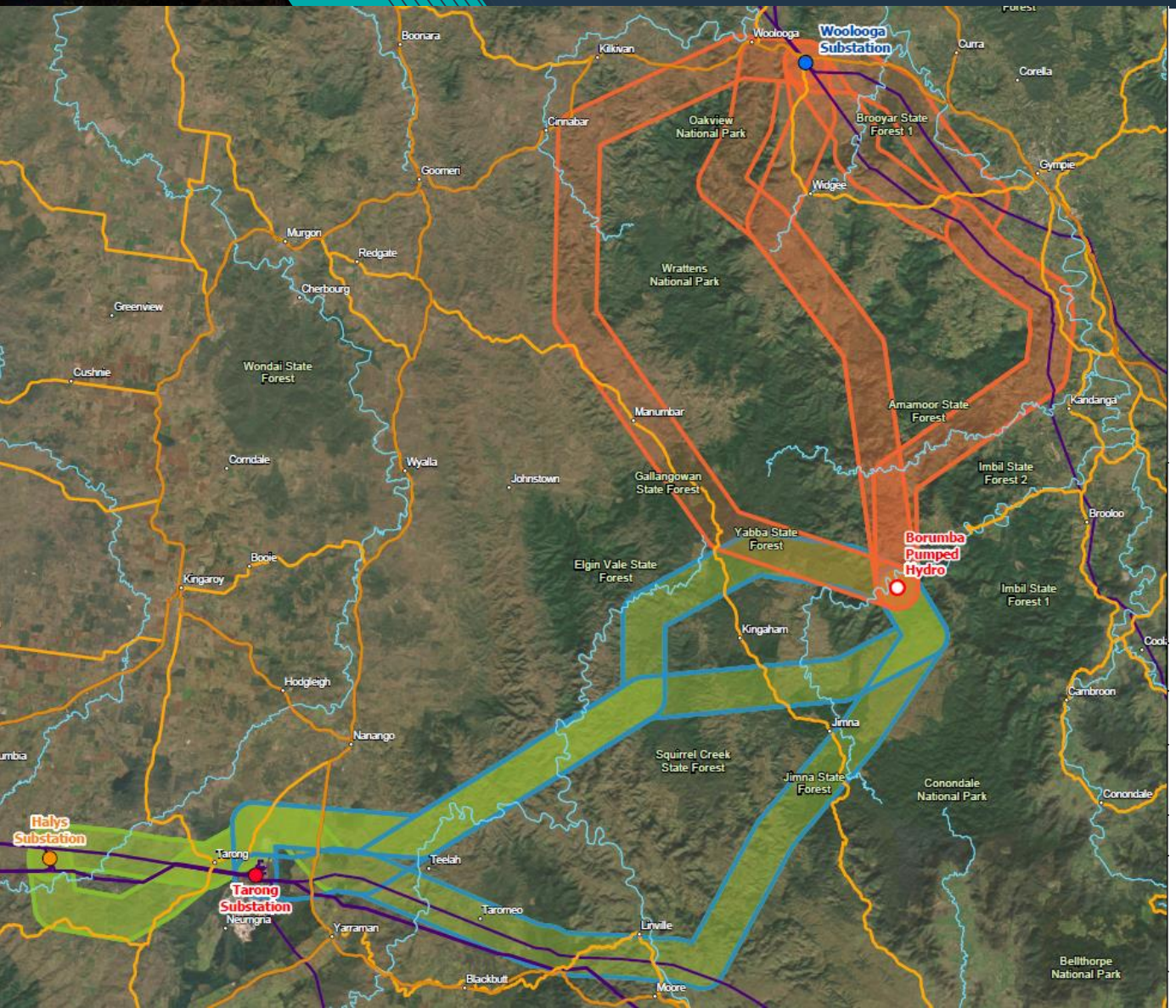
Perceived health effects from Electric and Magnetic Fields (EMF)

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 Wooloooga-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

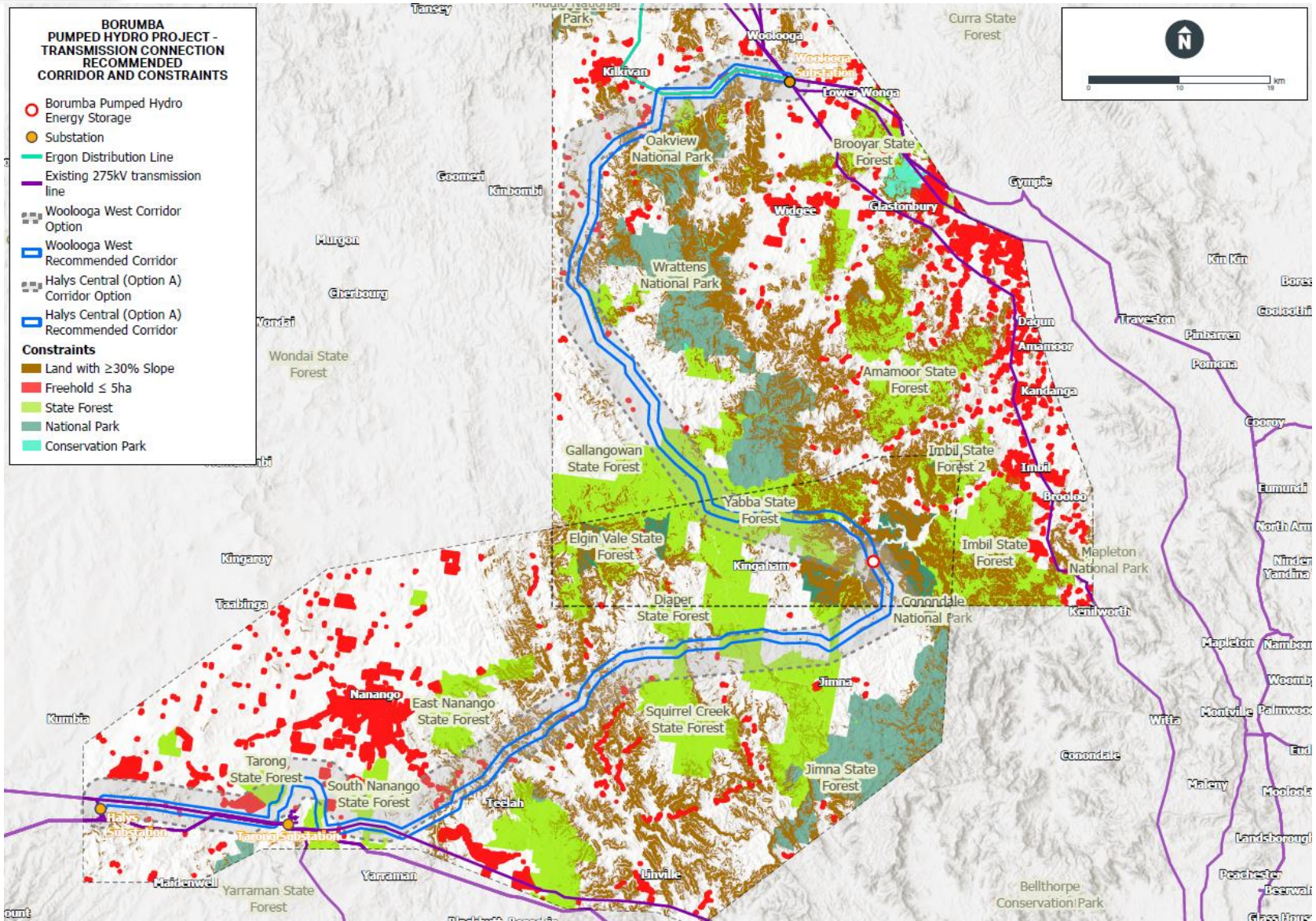
To consider a balanced approach to corridor selection with the least practicable impact on environment and heritage values.

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

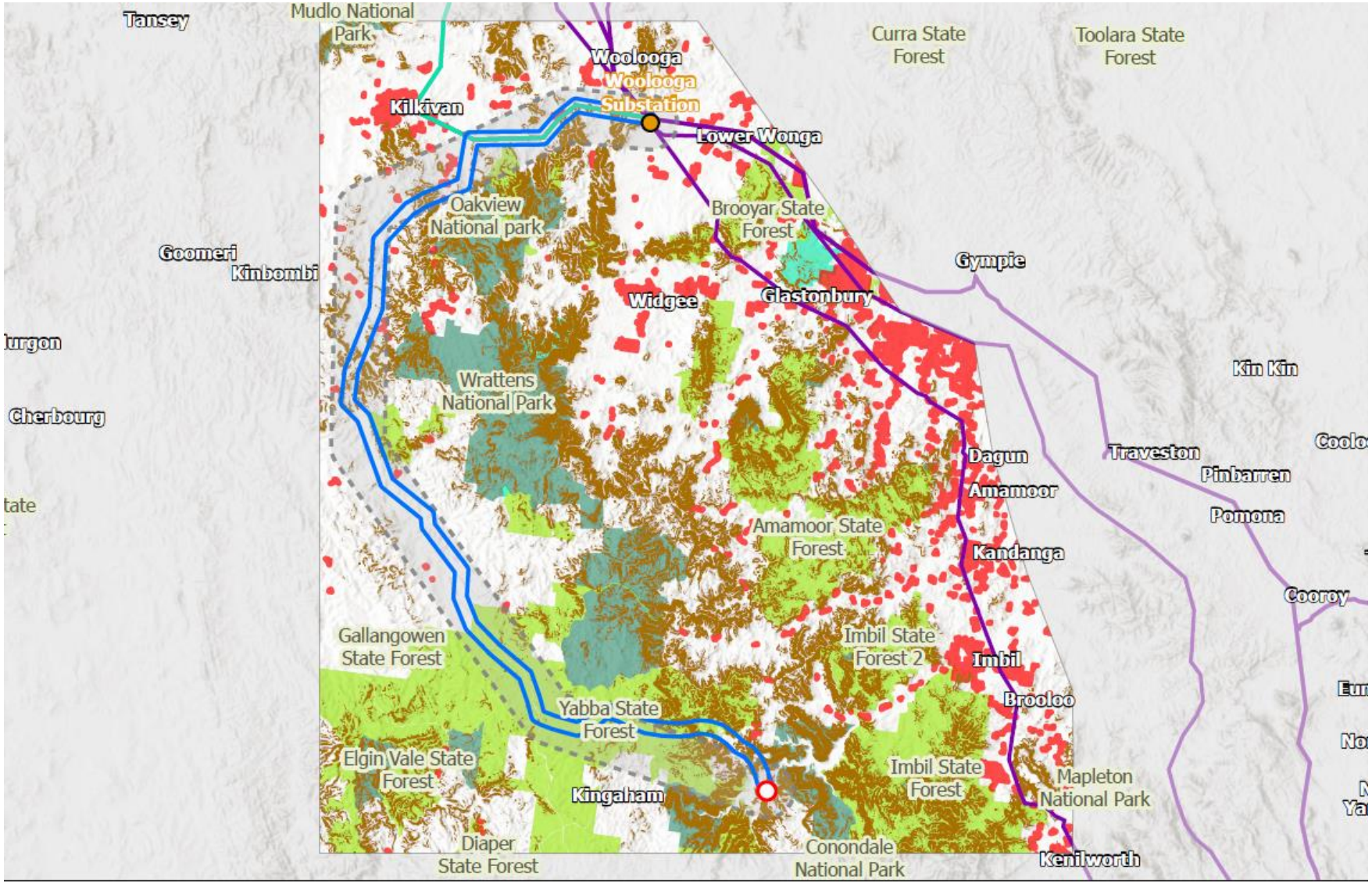
4km-wide Corridor Option

- 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

- 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)

Woolooga West 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

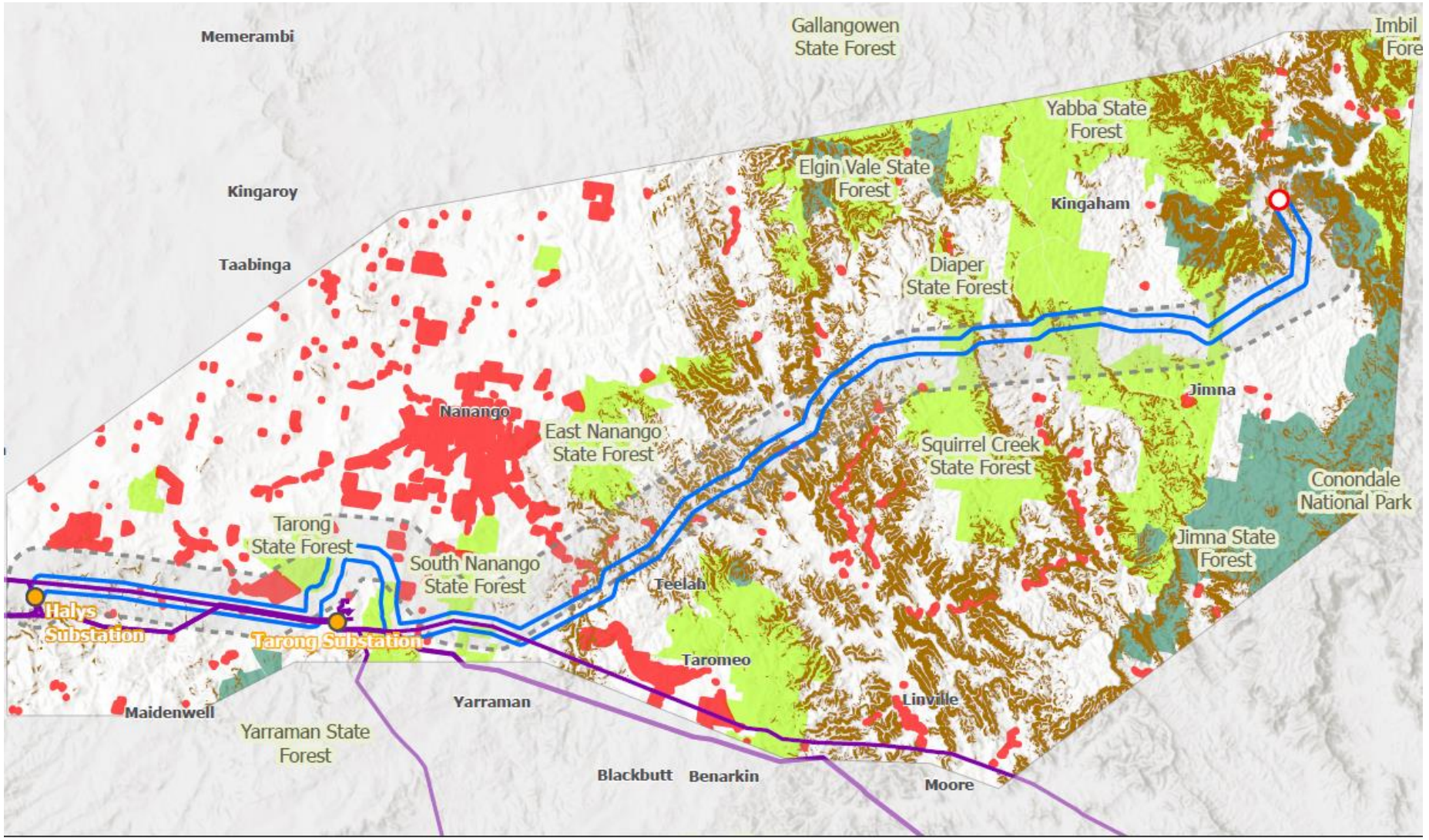
4km-wide Corridor Option

- 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

- 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



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

Next steps

- **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

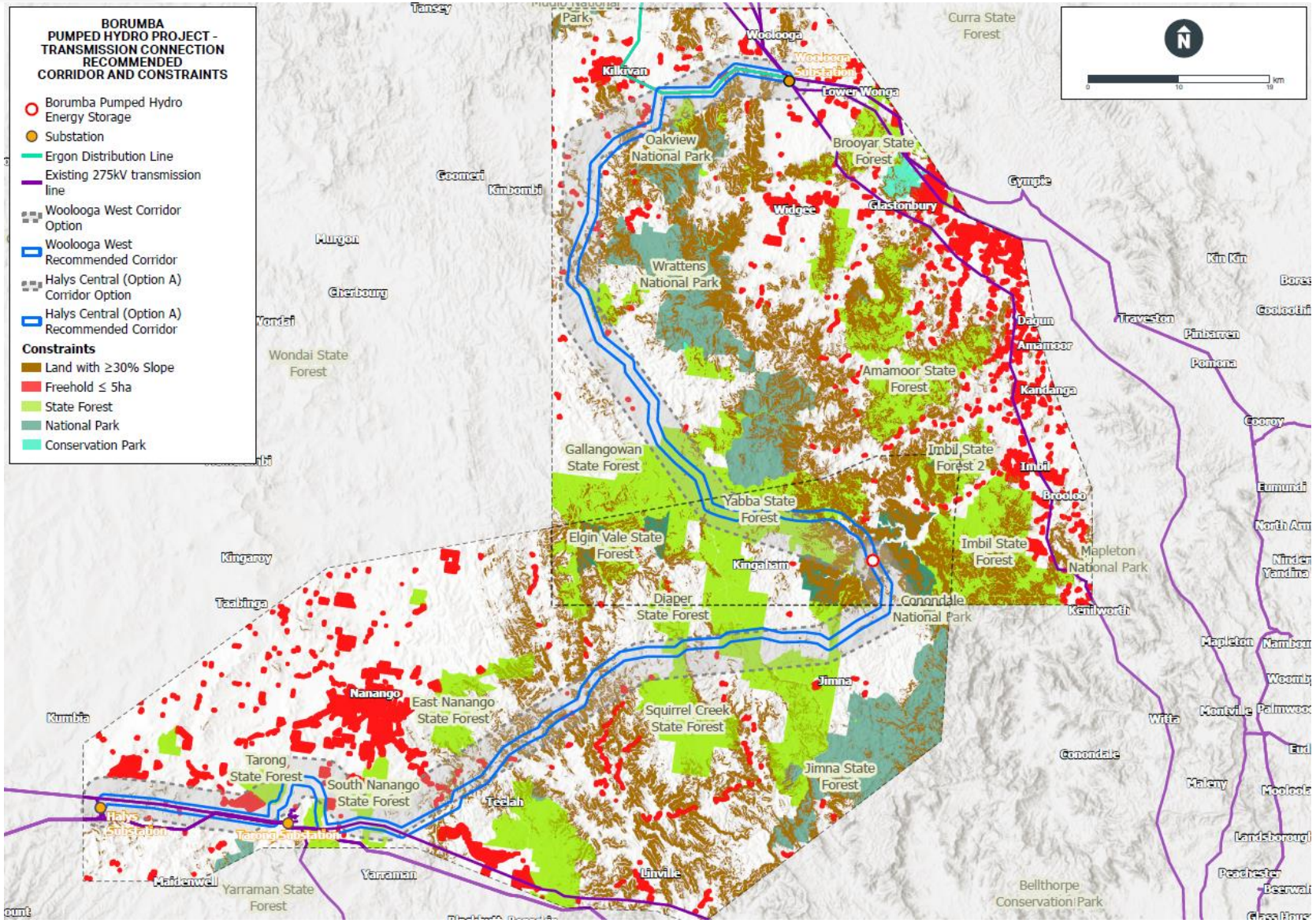
- **3 July 2023**

  Submissions to Draft CSR closes

- **September 2023**

  Final Corridor Selection Report publicly released

Questions?


BORUMBA
PUMPED HYDRO PROJECT -
TRANSMISSION CONNECTION
RECOMMENDED
CORRIDOR AND CONSTRAINTS
Borumba Pumped Hydro Energy Storage
Substation
Ergon Distribution Line
Existing 275kV transmission line
Woolooga West Corridor Option
Woolooga West Recommended Corridor
Halys Central (Option A) Corridor Option
Halys Central (Option A) Recommended Corridor
Constraints
Land with ≥30% Slope
Freehold ≤ 5ha
State Forest
National Park
Conservation Park
Curra State Forest
Woolooga
Kikivan
Lower Wonga
Oakview National Park
Brooyar State Forest
Gympie
Widgee
Glastonbury
Goomeri
Kinbombi
Murgon
Cherbourg
Yondai
Wondai State Forest
Wrattens National Park
Dagun
Amamoor
Amamoor State Forest
Kandanga
Traveston
Kin Kin
Pinbarren
Pomona
Coolabunia
Coonoy
Gallangowan State Forest
Imbil State Forest 2
Imbil
Brooloo
Eumundi
Yabba State Forest
Elgin Vale State Forest
Imbil State Forest
Mapleton National Park
Kingaroy
Kingaham
Taabinga
Diaper State Forest
Conondale National Park
Kenilworth
Nanango
East Nanango State Forest
Squirrel Creek State Forest
Jimna
Kumbia
Tarong State Forest
South Nanango State Forest
Teelah
Jimna State Forest
Wrta
Conondale
Maleny
Halys Substation
Tarong Substation
Maidenwell
Yarraman
Yarraman State Forest
Linville
Bellthorpe Conservation Park
Landsborough
Peachester
km

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