

Woodhill Mt Rd Landslip Repairs

Berry Community Consultation

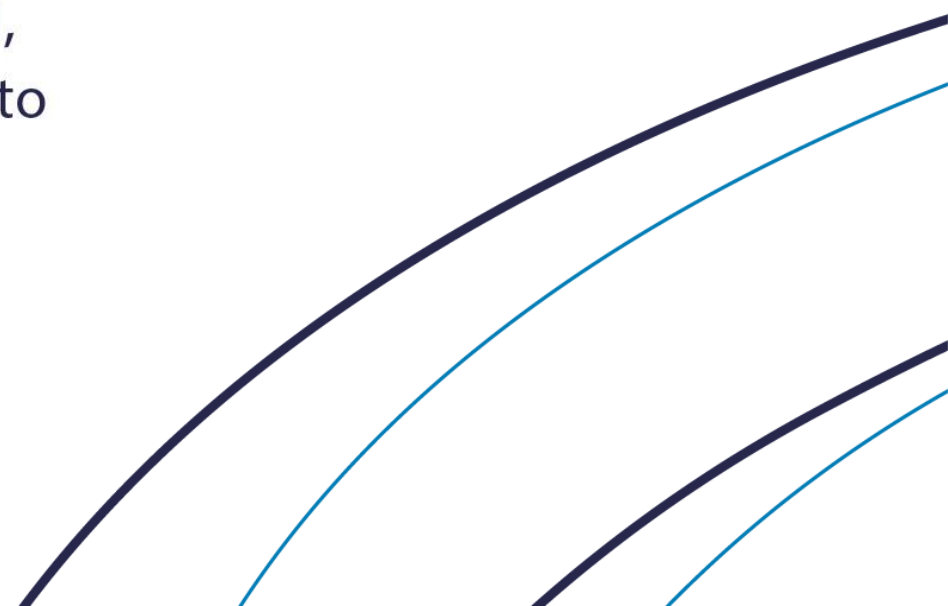
Thursday 12 October 2023



Acknowledgement of Country



We would like to acknowledge the Traditional Custodians of the land in which we gather upon today. We acknowledge their continuing connections to the land, culture and community. We pay respect to Elders past, present and future.



Purpose

To hear your feedback on the different options to complete works on Woodhill Mountain Road.

Acceptable Ground Rules?

1. Feel free to agree or disagree with other's views. Or neither.
2. Everyone should have an opportunity to speak. Be mindful of others.
3. Be respectful in your language. Assume others are as reasonable as you are.
4. Be open-minded and generous. There may be more than one right answer.

“Less heat, more light”

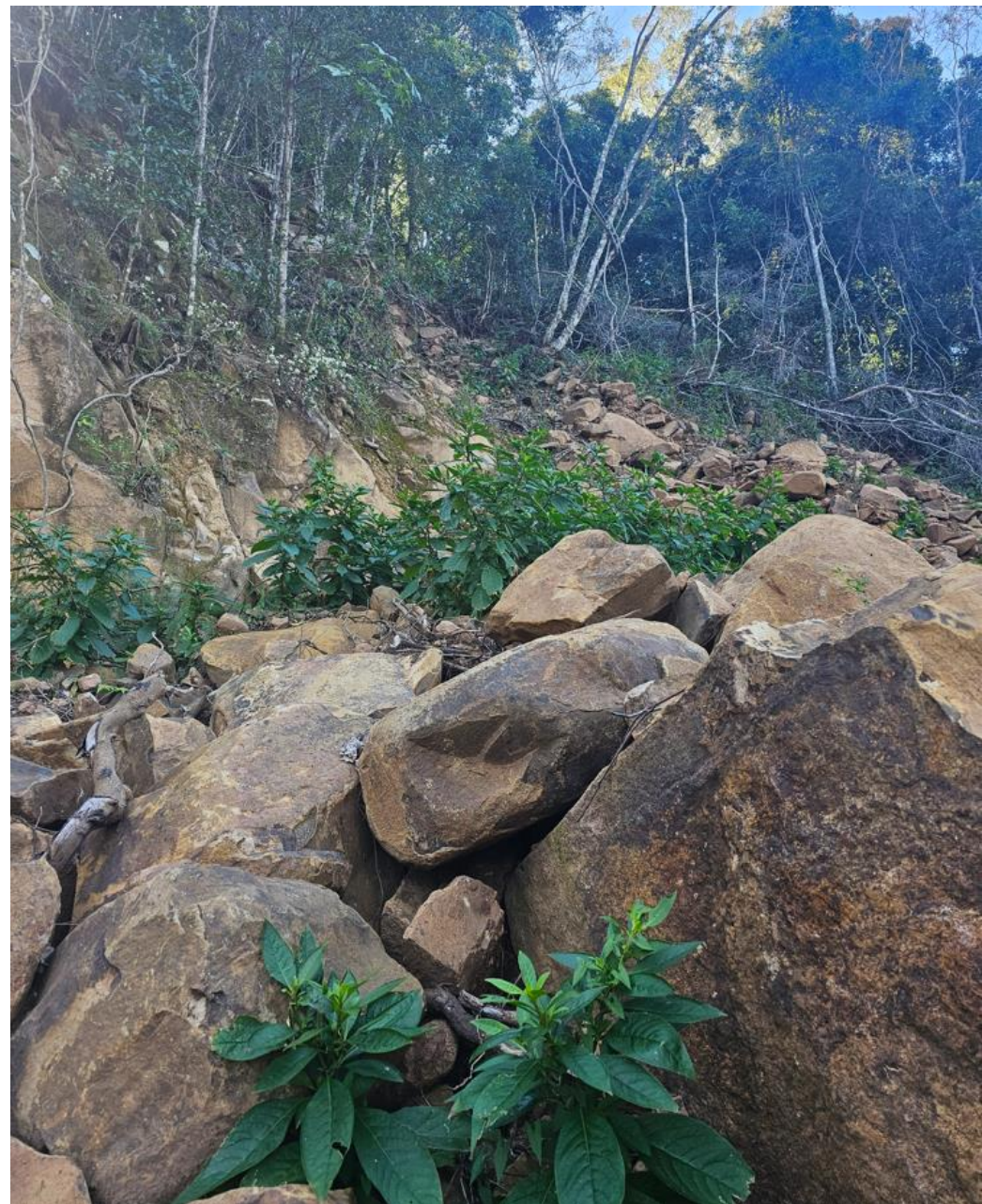
Speaking guide

1. Say your name
2. Keep it short so others can talk
3. Use the microphone



Construction Sequence

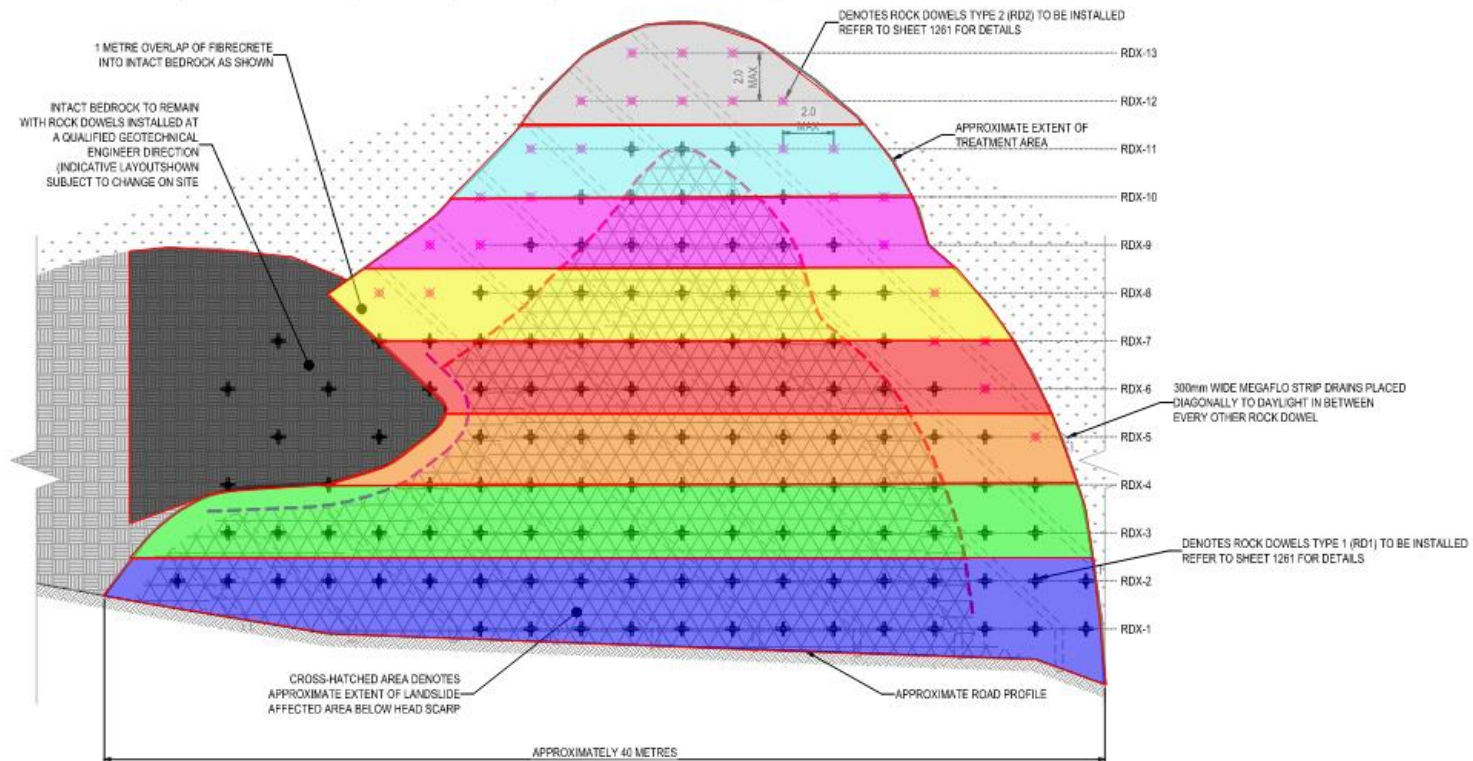
- Clear trees and break up large boulders on road (prep works)
- Excavate top of slip and remove overhang.
- Install fibrecrete and soil nails
- Excavate 3m further, apply fibrecrete and soil nails
- Repeat process until at road level
- Apply mesh and shotcrete over whole face and spray.



Construction Sequence (Cont'd)

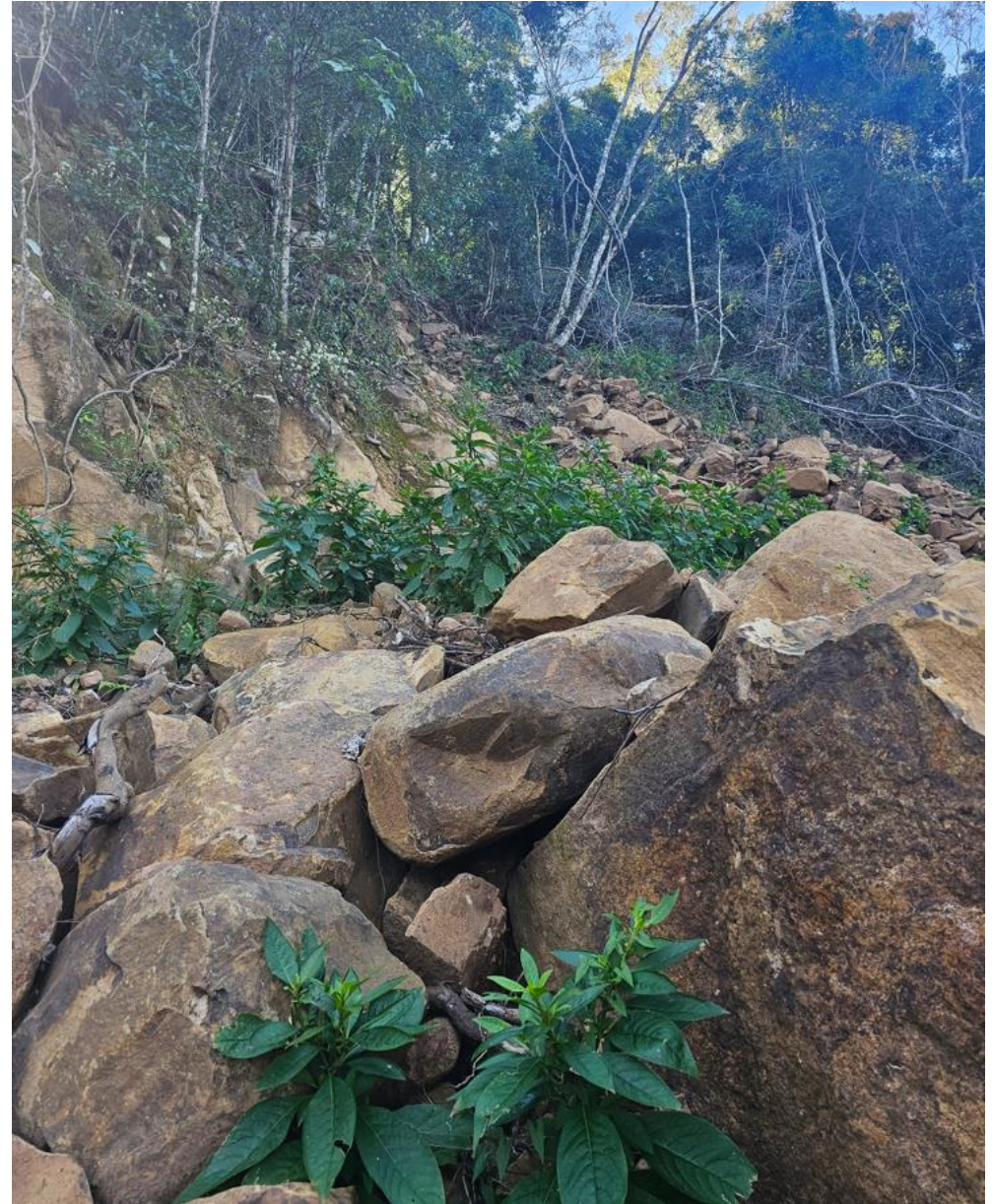
DRILL PRODUCTIVITIES

Height from road (m)	Lift	total # nails	Telehandler or Wagon drill	# drill days per lift
24	Lift 1	8	Wagon	7
21	Lift 2	7	Wagon	6
18	Lift 3	19	Wagon	14
15	Lift 4	12	Telehandler	2
12	Lift 5	25	Telehandler	3
9	Lift 6	12	Telehandler	2
6	Lift 7	30	Telehandler	5
3	Lift 8	33	Telehandler	5
	Rock Area	9	Telehandler	1
total shifts				45



Key Risks

- Geotechnical instability causing further landslide
- Dislodgement of boulders/loose material.
- Plant interactions- Narrow work area.
- Working at Height.
- Bushfire risks. – Note Symal do not work on Catastrophic fire danger days.
- Emergency Service Access – Symal to move machines off the road for unimpeded access for Emergency Services.



Emergency Services Access

Emergency services and essential services (waste, transport, water, gas, electricity) are being advised of all road closures throughout the Shoalhaven by email.

A 24-hour number has been provided to speak with the contractors if there is an emergency call out.

Helicopters will be available for access if required and all emergency service agencies will be collaborating if the need arises for alternative access methods.

The closed road lane will be regularly cleared of any rock debris , even when road is fully closed, to minimise any delay to emergency services

Drilling machine

- Wagon drill for installing nails > 15m above road. Productivity of 8m per shift



Drilling machine

- High reach telehandler. Can drill nails up to 15m above road. Productivity of 50m per shift
- Drill outrigger footprint is width of road.



Long Reach Excavator

- Excavator to reach 15m up the slope and remove loose material.
- Machine footprint is width of road.



Spraying Shotcrete

- Boom pump to reach up slope and spray shotcrete.
- Outrigger footprint is width of road.



Three Options

Current option (1) Now – 16 Feb 2024

Night closure only

7pm to 6am Sunday – Thursday

Access times:

- NIL during night

Pros

All day access

Cons

- Night closures over 4 months
- Increased risk of unscheduled closures
- Exposure to rain events
- 40 minute re-route at night

Option 2 23 Oct – 22 Dec 2023

24 hour x 7 closure (23 Oct – 9 Nov)

Access times:

- 7.30 – 8.30 am
- 3.30 – 4.30 pm

24 hour x 6 days (9 Nov – 22 Dec)

Access times:

- 7.30 – 8.30 am
- Midday – 12.30 pm
- 3.30 – 4.30 pm
- Midnight – 3 am

Pros

Works complete by Christmas
Safer work conditions
Reduced risk of extended work

Cons

40 minute re-route if access times missed

Option 3 23 Oct – end Jan 2024

24 hour x 7 closure (23 Oct – 9 Nov)

Access times:

- 7.30 – 8.30 am
- 3.30 – 4.30 pm

Night closure only (9 Nov – end Jan 2024)

Pros

Works complete by end Jan 2024
Safer work conditions
Reduces risk of extended

Cons

40 minute re-route if access times missed

Q&A



THANK YOU

