

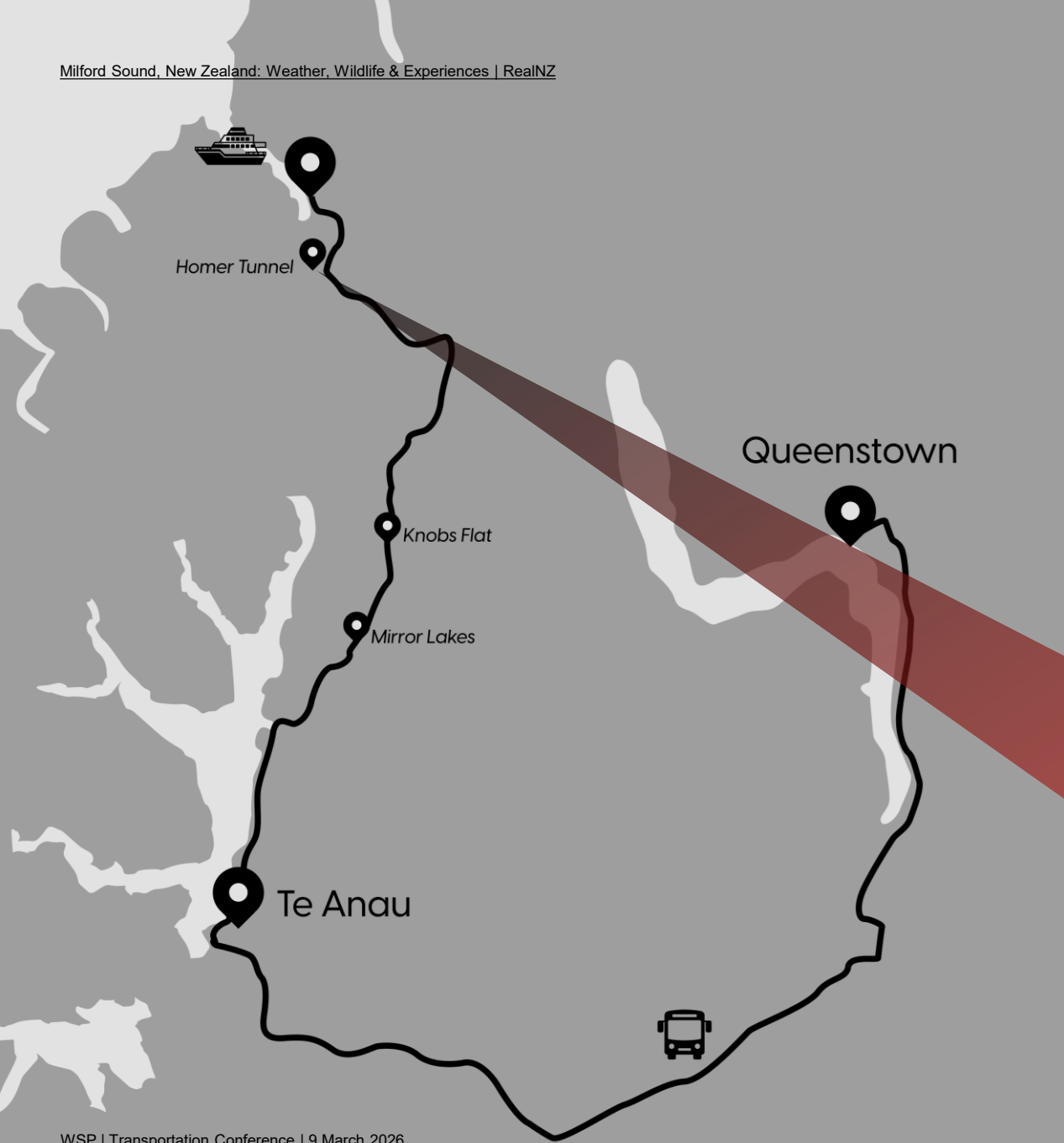
A photograph of a long, dimly lit tunnel with a road surface. The tunnel walls are rough and rocky. A single light fixture is visible on the ceiling, illuminating the road ahead. The perspective is from the center of the road, looking down its length.

TUNNEL VISION

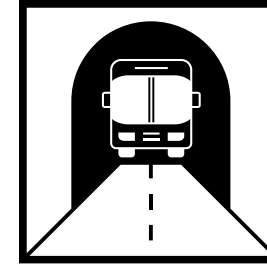
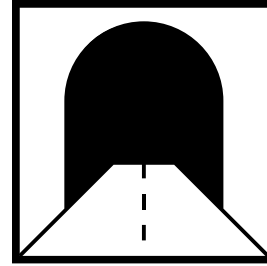
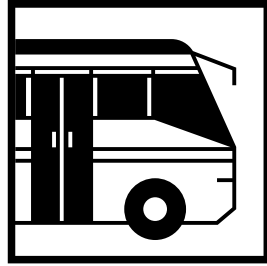
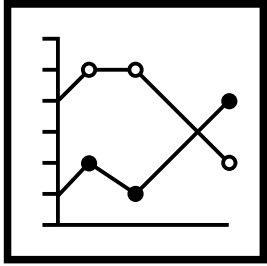
**Using scenario planning to inform smart
risk decisions at the Homer Tunnel**

Roger Burra – Technical Director Transport Planning

Laura Goodman – Senior Transport Engineer







Status Quo +

Coaches +

Smoothflow +

Smoothflow Coaches +

1.6M visitors per year

1.6M visitors per year

1.6M visitors per year

1.6M visitors per year

No external influences

All visitors arrive by coach

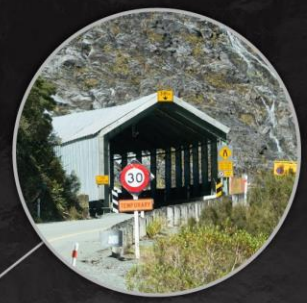
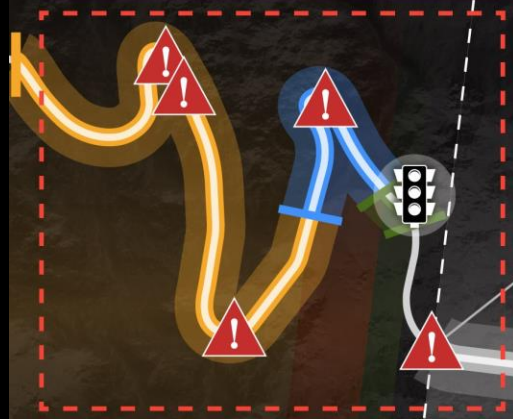
Uniform arrival profile of visitors across the day

All visitors arrive by coach and uniform arrival profile of visitors across the day

◀ TO MILFORD SOUND PIOPIOTAHU



AVALANCHE HAZARD



HOMER TUNNEL

Scenario	Queue length	Average delay
Coaches +	60m	4 minutes
Base (2019)	280m	19 minutes
Status Quo +	>1.2km	>32 minutes

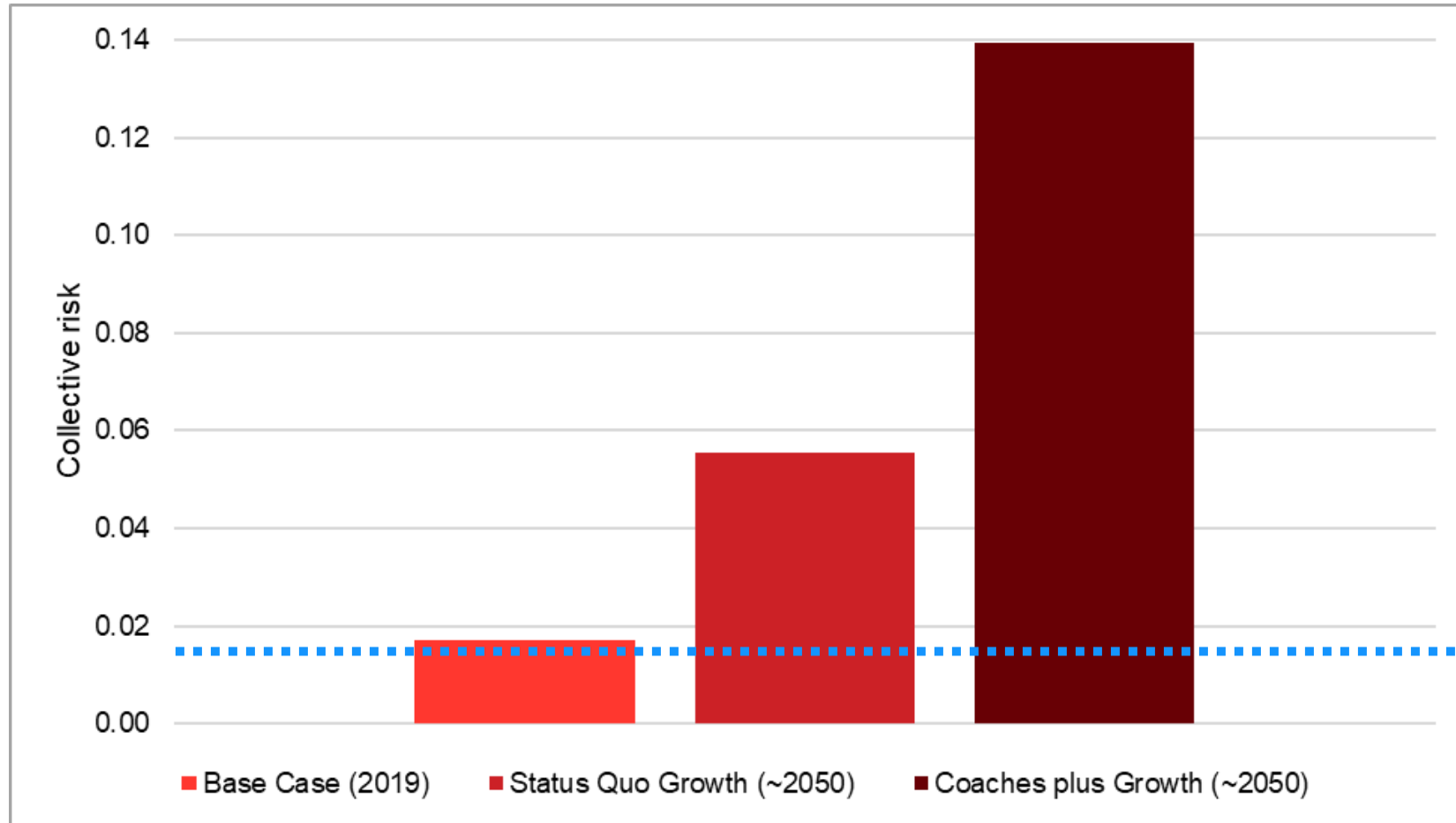
Scenario	Queue length	Average delay
Coaches +	70m	4 minutes
Base (2019)	320m	20 minutes
Status Quo +	>1.3km	>34 minutes

AVALANCHE HAZARD

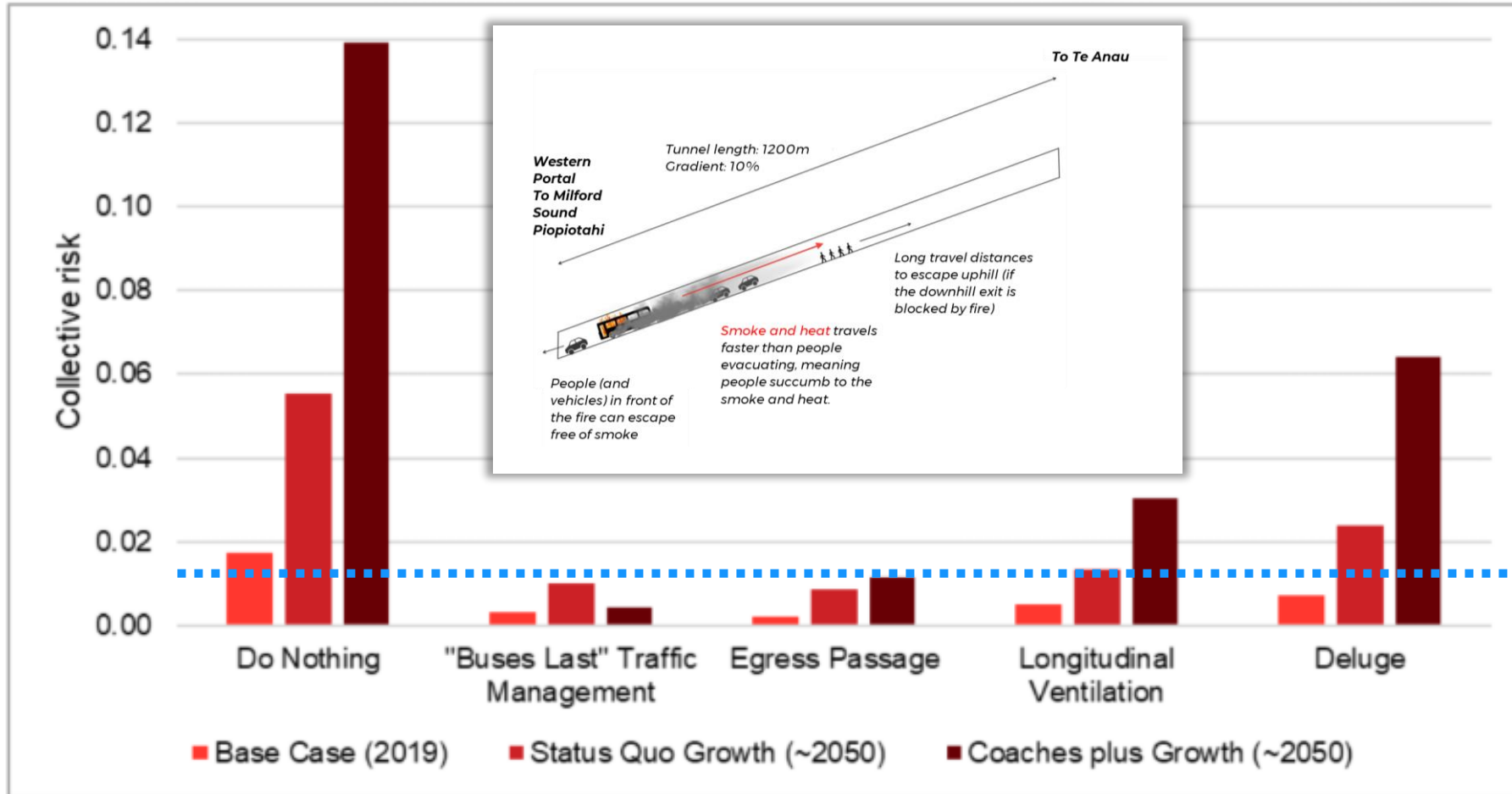
ROCKFALL RISK

TO TE ANAU ▶

Coaches Plus Scenario has highest Collective Risk - Tunnel Fire



Two Options Performed Regardless of the Future Scenario





- 1) It's not about being right, it's about not being wrong in the ways that matter
- 2) Fewer scenarios add clarity
- 3) Inherent desire for certainty

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