

# The FiordlandLink Experience

Creating Transportation Opportunities for  
Tourism and Recreation by Monorail



Presentation to:  
IPENZ Transportation Conference  
March 2010

*FiordlandLink*  
experience

# The Presenters

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# Presentation Content

- The Opportunity
- The FiordlandLink Experience
- The Environment
- Route Description
- Monorail
- Construction and ecological challenges

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# The Opportunity

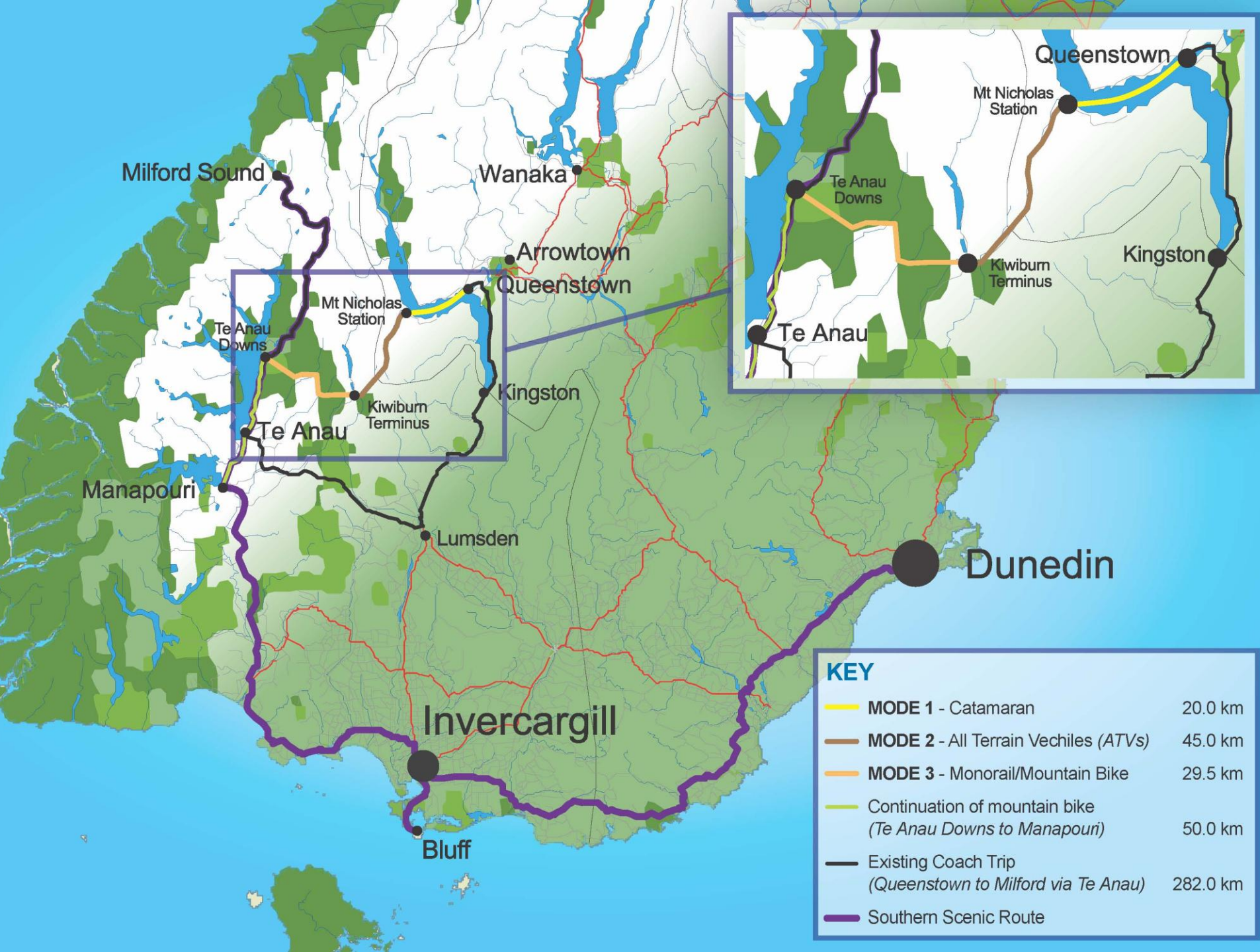
- 95% of the 470,000 visitors to Milford per annum travel by road, mainly from Queenstown
- 9.5 hour bus trip (13 hour day)
- Congestion in Milford during the middle of the day
- Many proposals have been promoted over the past 30 years to improve transport links between Milford and Queenstown

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# Project Drivers

- Enhanced experience for visitors
- Reduction in travel time
- Environmental and safety benefits of reduced road travel
- Reduction in congestion in Milford and Milford Road
- Sustainable conservation based solution to growing Fiordland tourism
- Three Lakes Ride – cycle track



# The Environment

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Key:  
— Indicative project route

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# Threatened Species

- Two threatened plants identified
- 46 bird species expected along route
- Long-tailed Bats and Green Skink
- Important habitats
- Introduced pests – deer and pigs

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# Route Description

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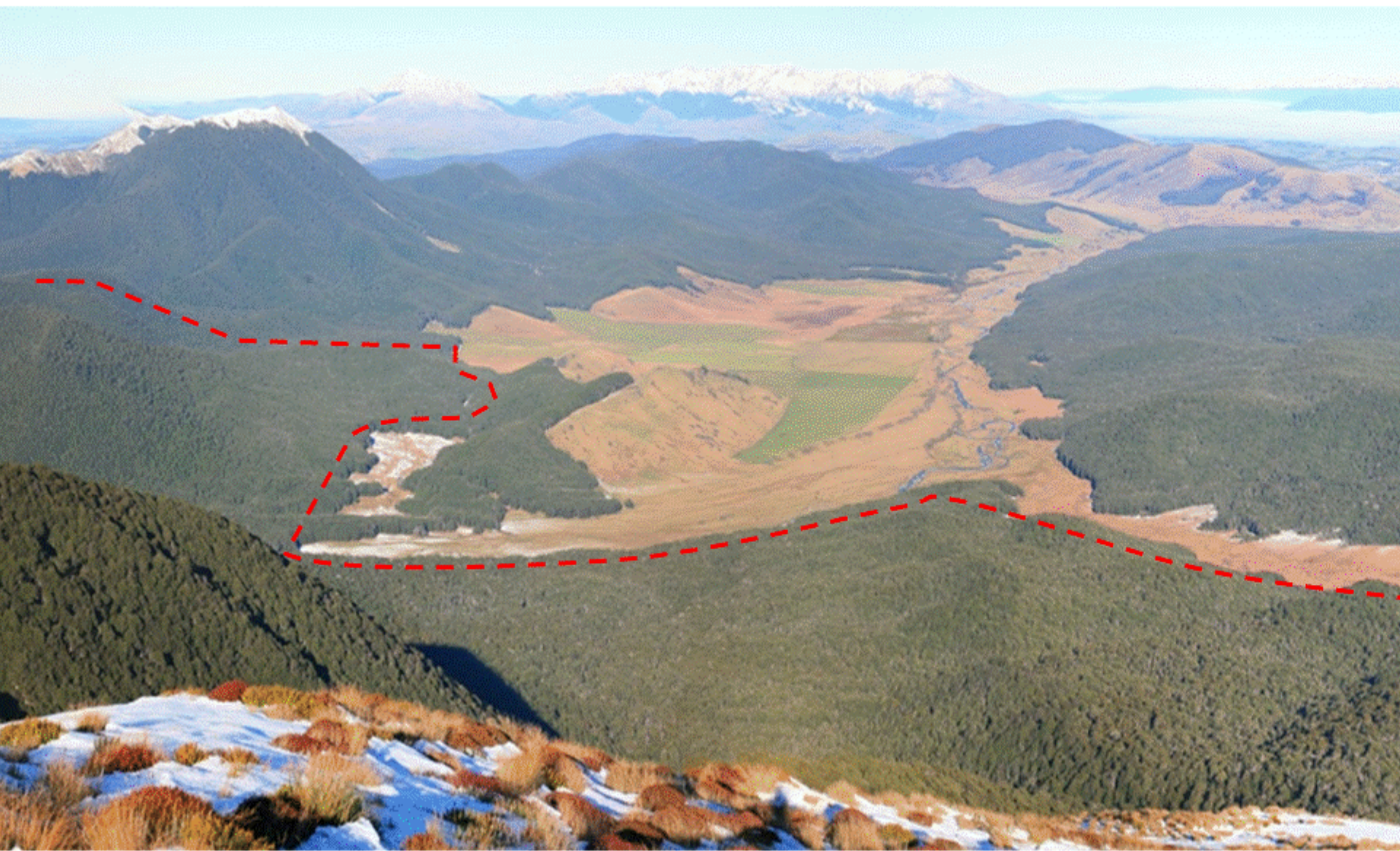








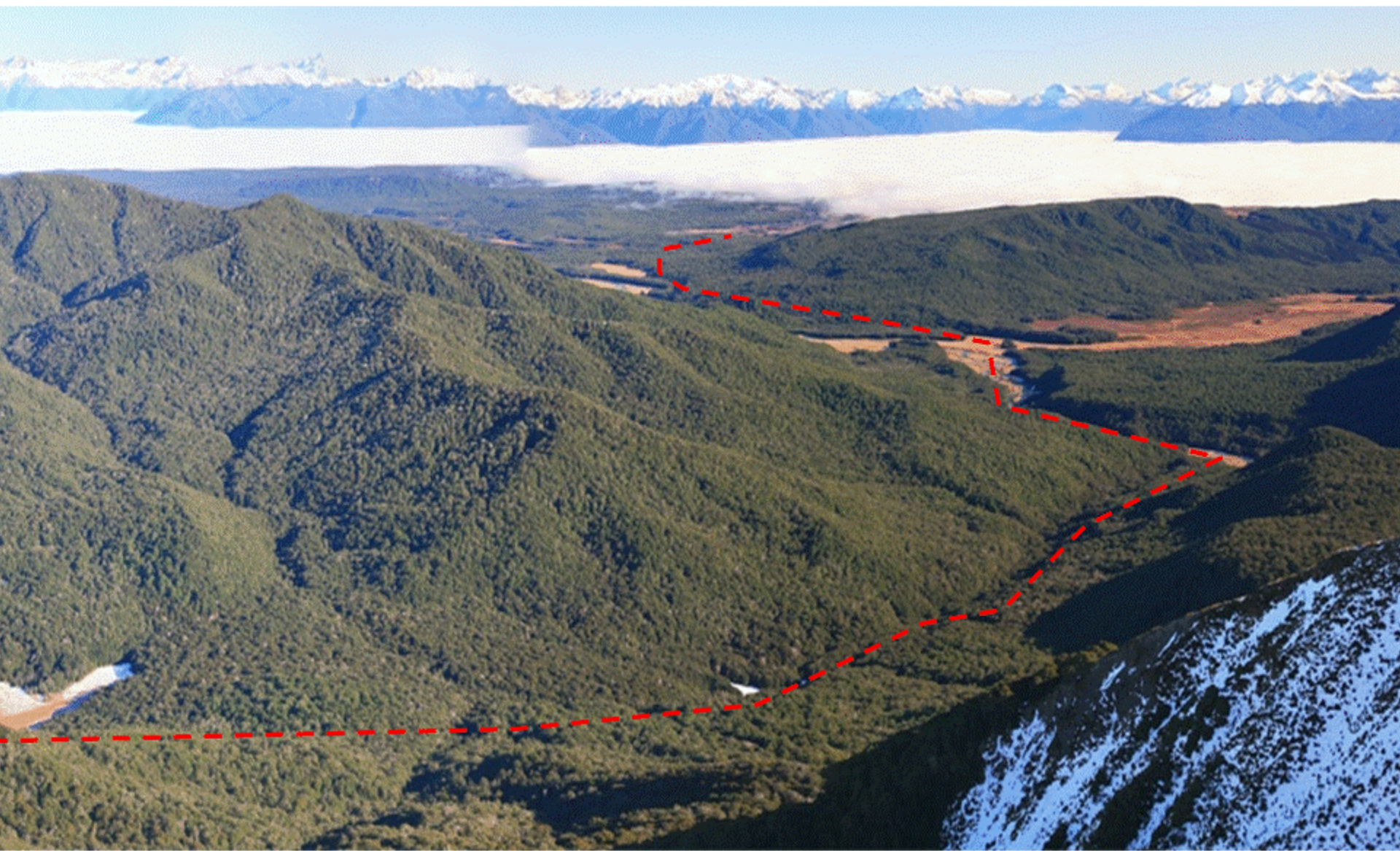




















Proposed Route

Area of  
Instability











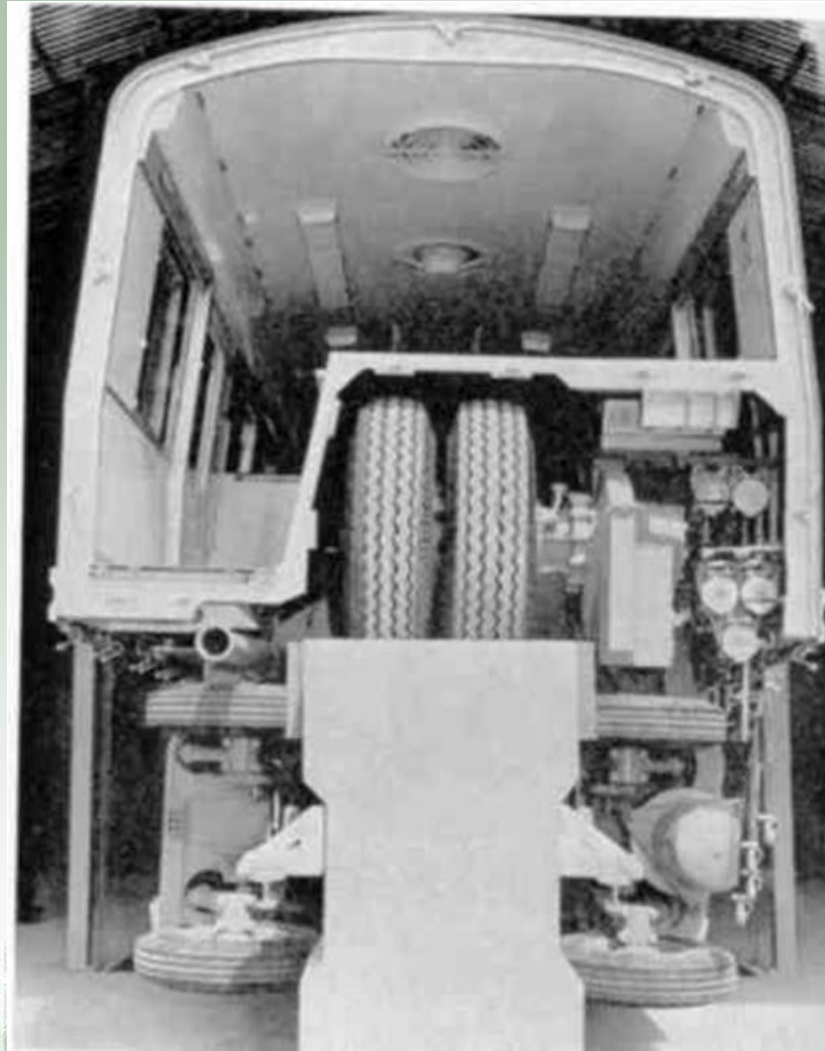
# The Monorail

- What is it?
- Dimensions
- How to build it?





# Straddle Monorail



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# Why Monorail?

- Small footprint, minimising ecological impact
- Efficient, uses renewable energy, low maintenance
- It's different

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# Groundbreaking Monorail

- Literally, this will be the first low-rise monorail
- It's 44km long, longest existing is 28km (Osaka)
- It will be the only monorail built through hilly terrain
- To date all monorails are urban, the FLE travels through forest

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# Construction and Ecological Challenges

- Minimise canopy gap effect, avoid large trees, tree fall
- Terrain, including side slope, rivers, swampy areas, open areas
- Access for materials, plant, workforce

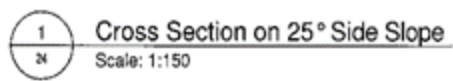












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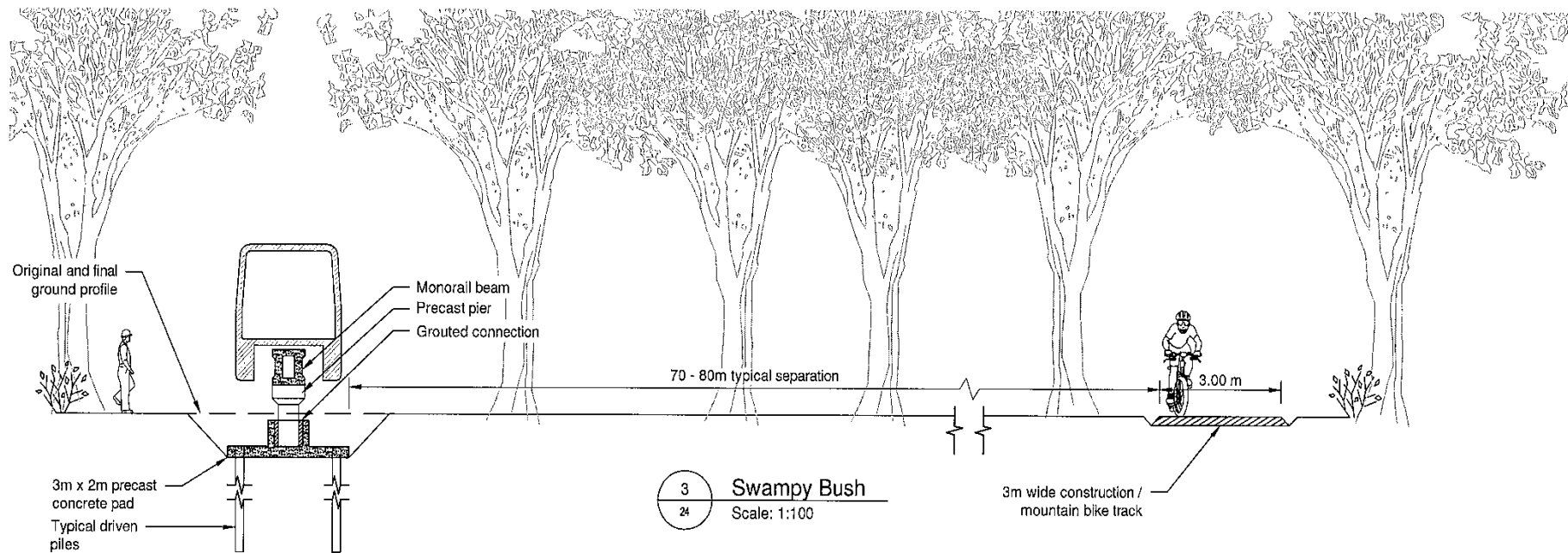
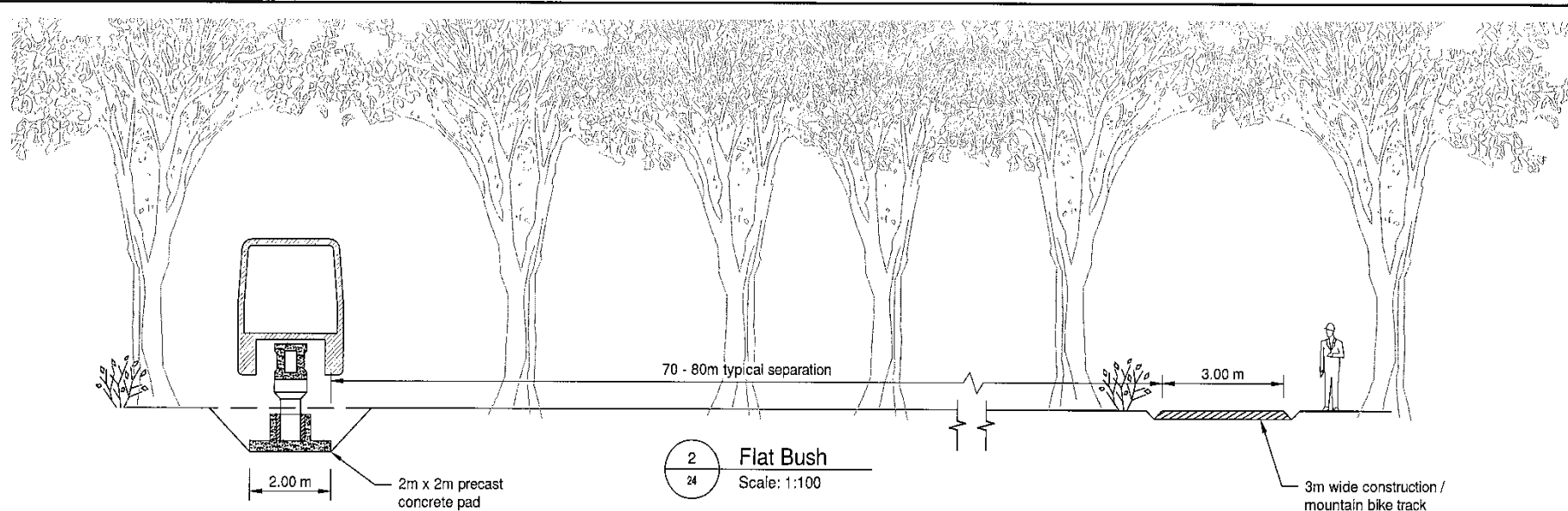
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STATUS		PRELIMINARY		REV		60P036.00	
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						SECTION	R2

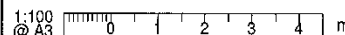








Note: We acknowledge the work of Ian Stewart for providing input to these drawings



					BY	CHECKED	DATE
					DESIGN	JAD	6/09
					DRAWN	JAD	6/09
					APPROVED		
R2	Times shown		WSP	24.06.09			
R1	Track approved from manual		WSP	Aug 09			
	ASSIGNMENT		APP'D	DATE	This drawing and its contents are the property of Opus International Consultants Limited. Any unauthorized employment or reproduction, in full or in part, is forbidden.		

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TITLE FIORDLAND LINK EXPERIENCE MEMORIAL				
FOUNDATION AND PIER CONSTRUCTION TYPICAL FLAT AND SWAMPY CROSS SECTION				
STATUS PRELIMINARY		FILE 6DPO38.00		
SCALE 1:100@A3 1:500@A1	PLOT DATE 24/08/08 @ 12:51	FEATURE IDENTIFIER 7/5460/1	CODE 5604	SHEET 5 REVISION R2

# Rehabilitation and Pest Control

- Direct transfer of leaf litter and plants where practicable
- Monitoring and weed control
- Rehabilitation targets in management plan
- Pest control
- Environmental offset





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