

Roadside Vegetation Survey in Tambellup



Roadside Surveys...

- ✓ Snap-shot study
- ✓ Determine condition and conservation value of roadsides in Tambellup
- ✓ Surveyed throughout October 2004
- ✓ 84% (436 km) of the Shire's 521 km roads surveyed
- ✓ Map & weed overlays produced via a Geographic Information System (GIS)



Roadside Surveys...



The roadside surveyors were local community members:

Anthony Witham

Rod King

Len King

Gary Sheridan

Laurie Hall

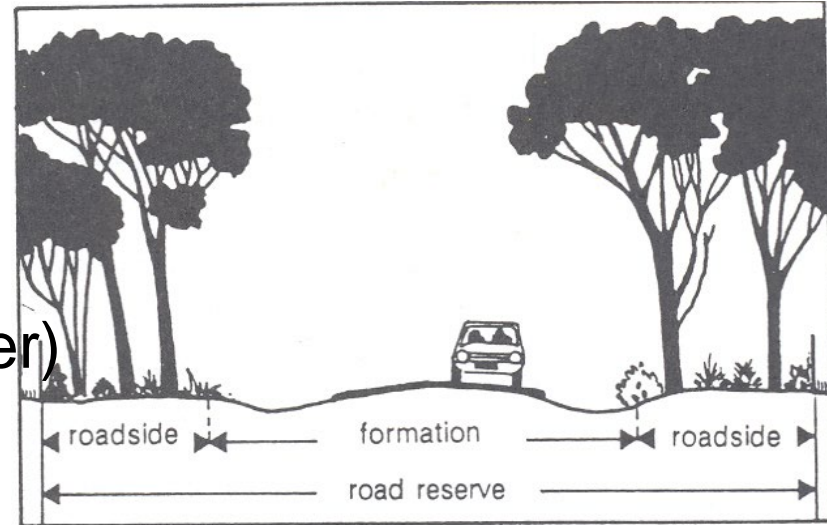
Shannon Hall

They contributed
over 40 hours of
survey work!



Roadside Attributes

- Width of road reserve
- Width of vegetation
- 6 nominated weeds
- Utilities/services (water, power)
- Extent of native vegetation*
- Structure of native vegetation*
- Number of native plant species*
- Value as a biological corridor*
- Degree of weed infestation*
- Adjoining land use*



Roadside Scores

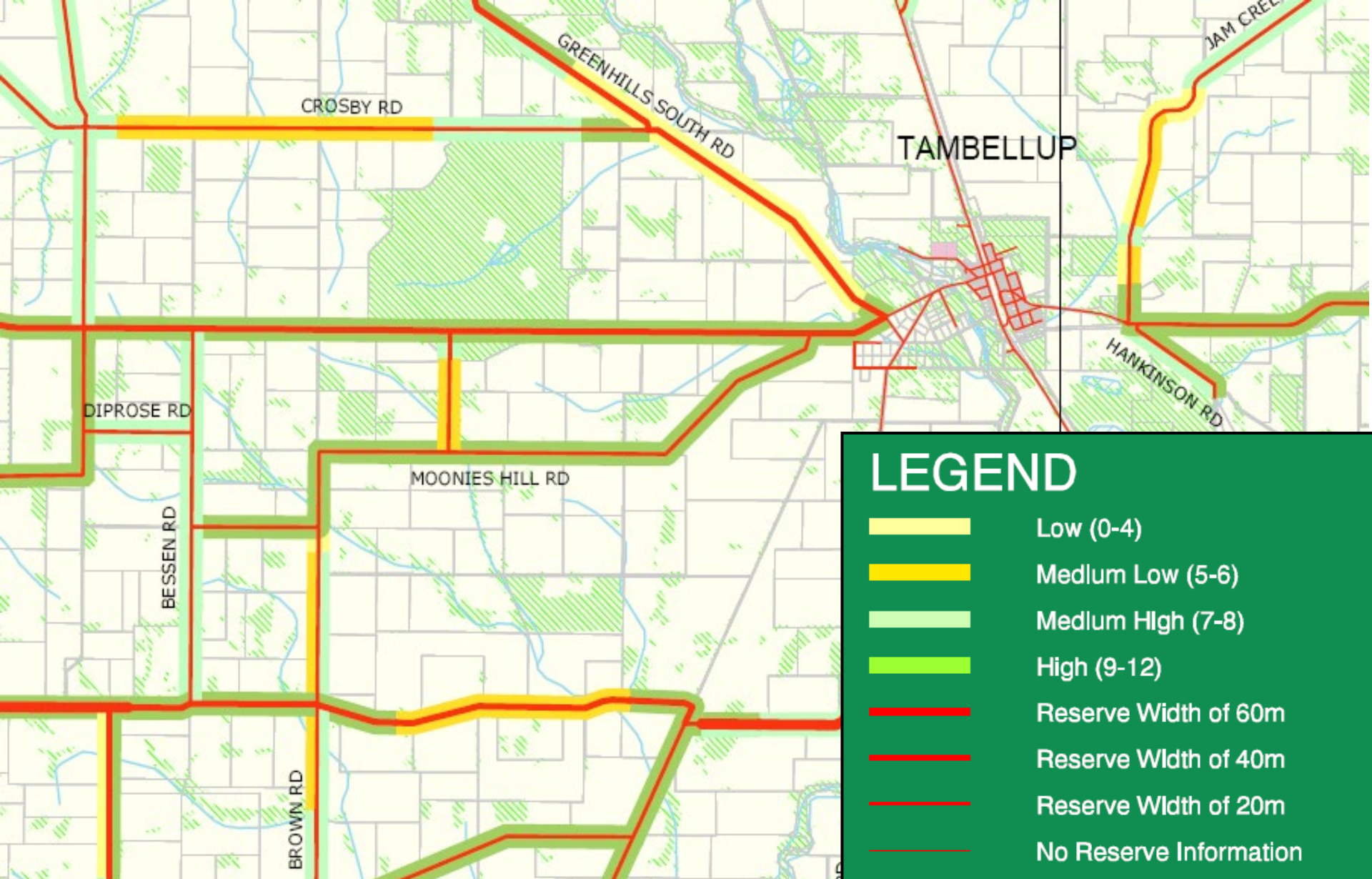
The 6* attributes scored 0, 1 or 2.

Then combined to provide a conservation value score 0-12

Conservation value scores grouped into 4 categories:

Conservation Status	Score	Colour
High	9-12	Dark Green
Med-high	7-8	Light green
Med-low	5-6	Orange
Low	0-4	Yellow





LEGEND

-  Low (0-4)
-  Medium Low (5-6)
-  Medium High (7-8)
-  High (9-12)
-  Reserve Width of 60m
-  Reserve Width of 40m
-  Reserve Width of 20m
-  No Reserve Information
-  Waterbody / Watercourse
-  CALM Estates
-  Remnant Vegetation

The Natural Environment...

- Only 12% remnant vegetation remains.
- Declared rare & priority flora:
 - 3 roadside locations, 1 site vested in Shire.
- 5 species of 'threatened & priority' fauna:
 - Chuditch, Carnaby's Black cockatoo, Southern Brush-tailed Phascogale, Western mouse, Tammar Wallaby.



RESULTS

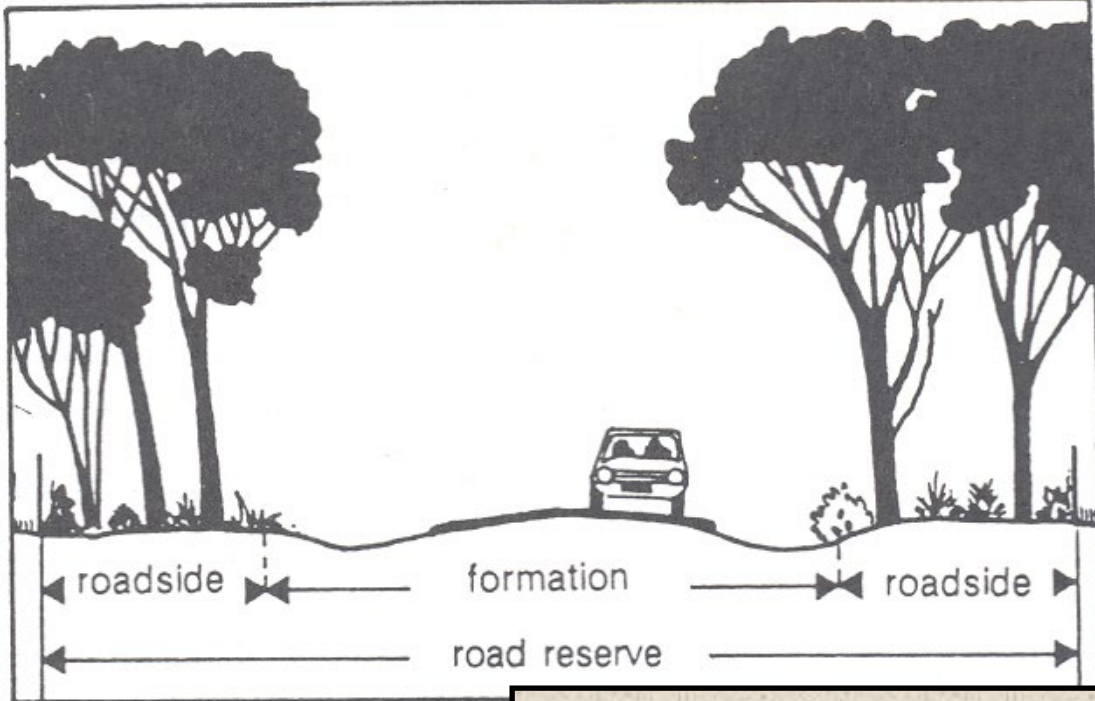


Ok

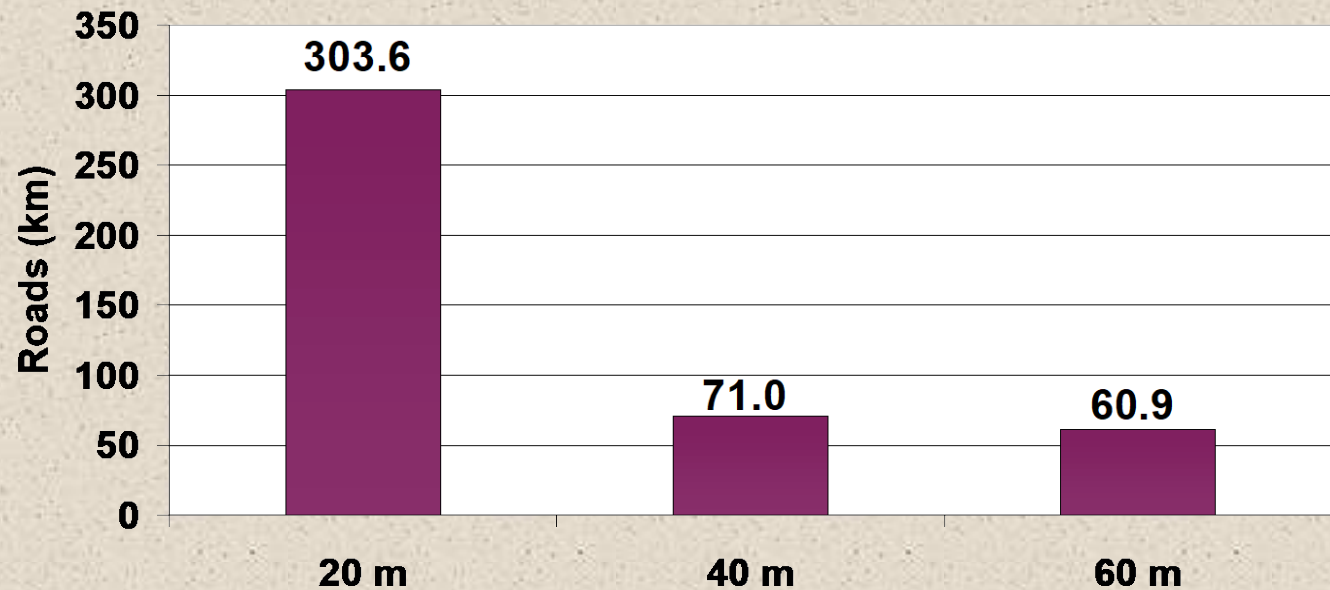
So what did we find?



Width of Road Reserves



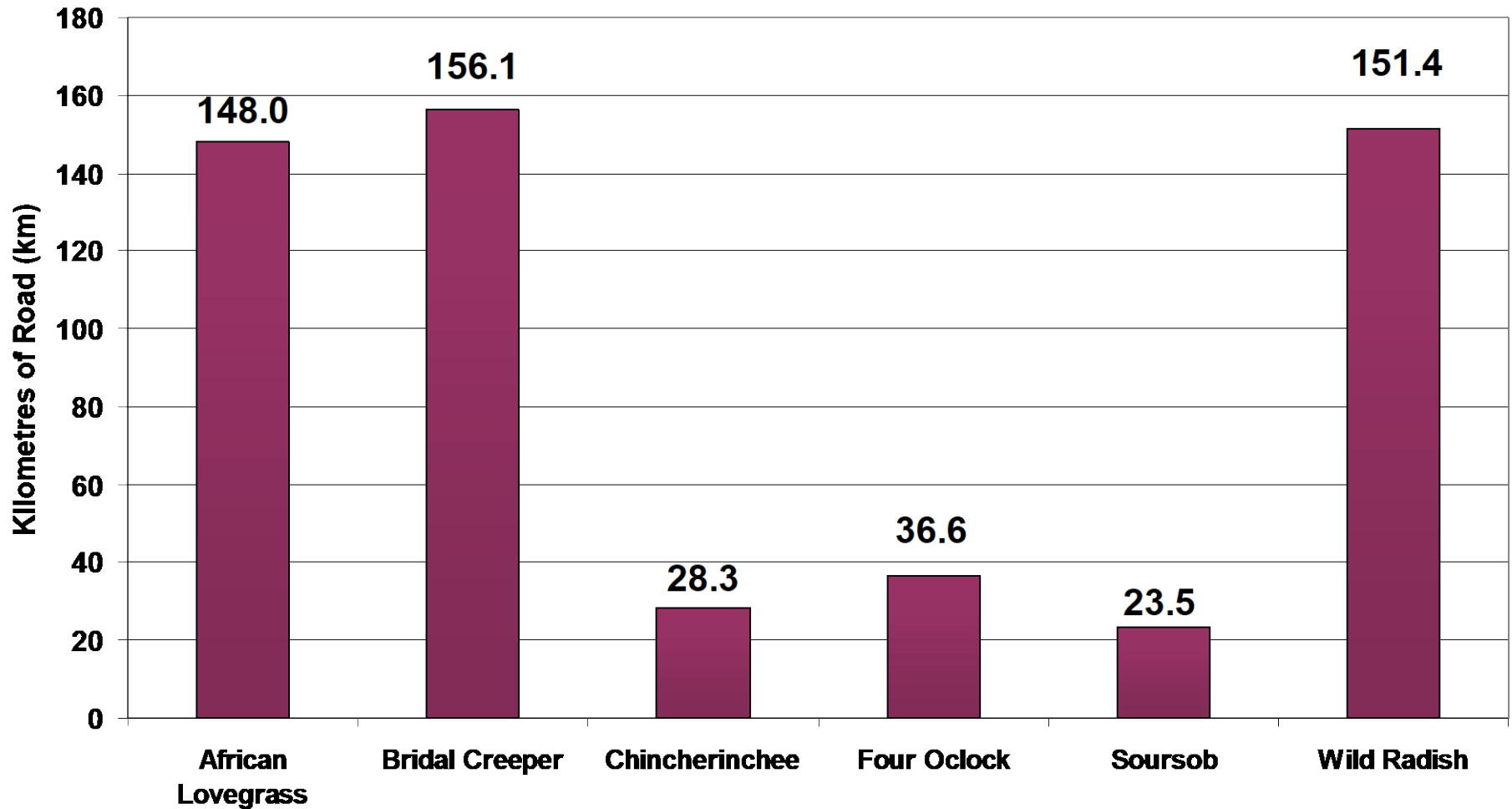
Width of Road Reserves in Tambellup



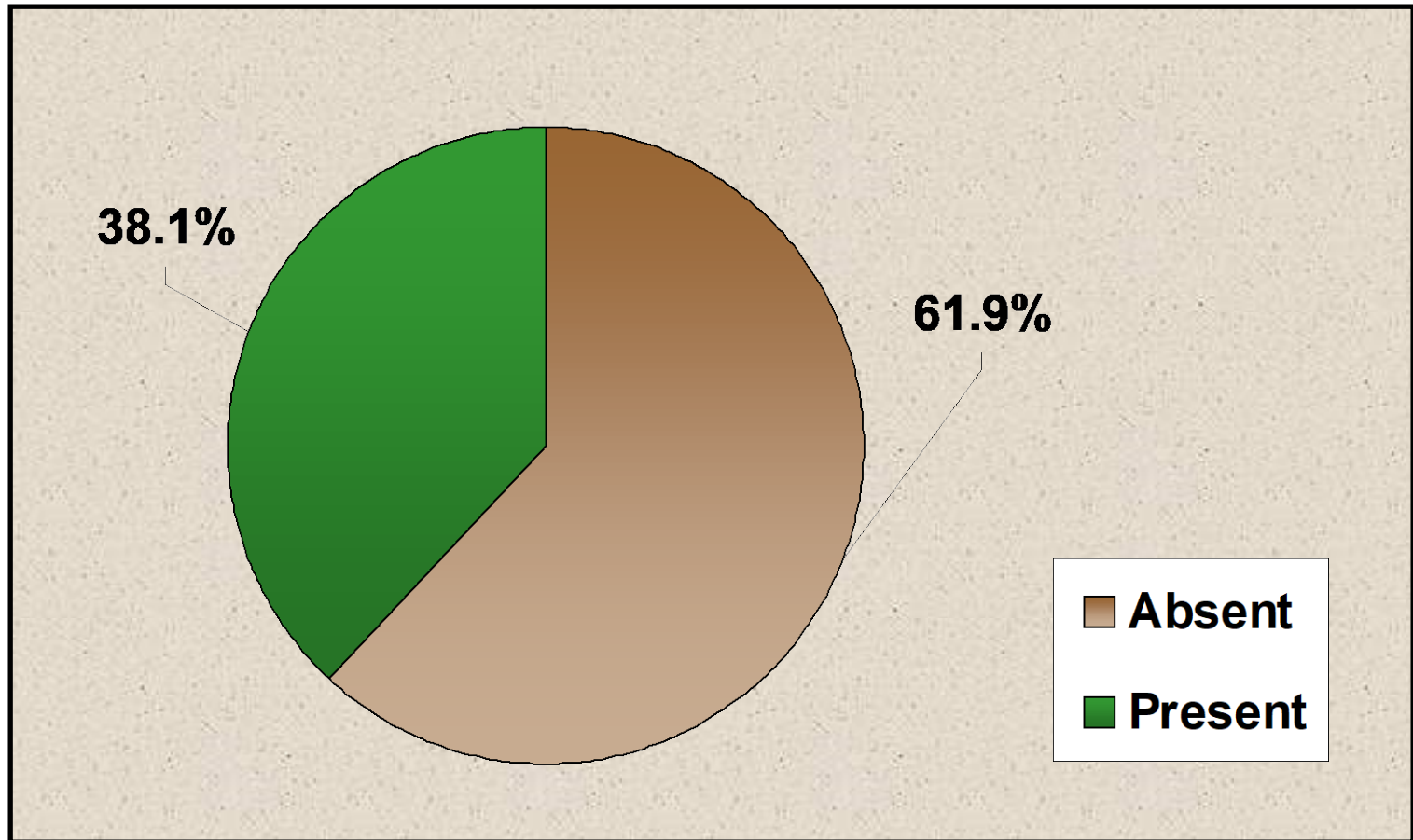
Width of Vegetation in Roadsides



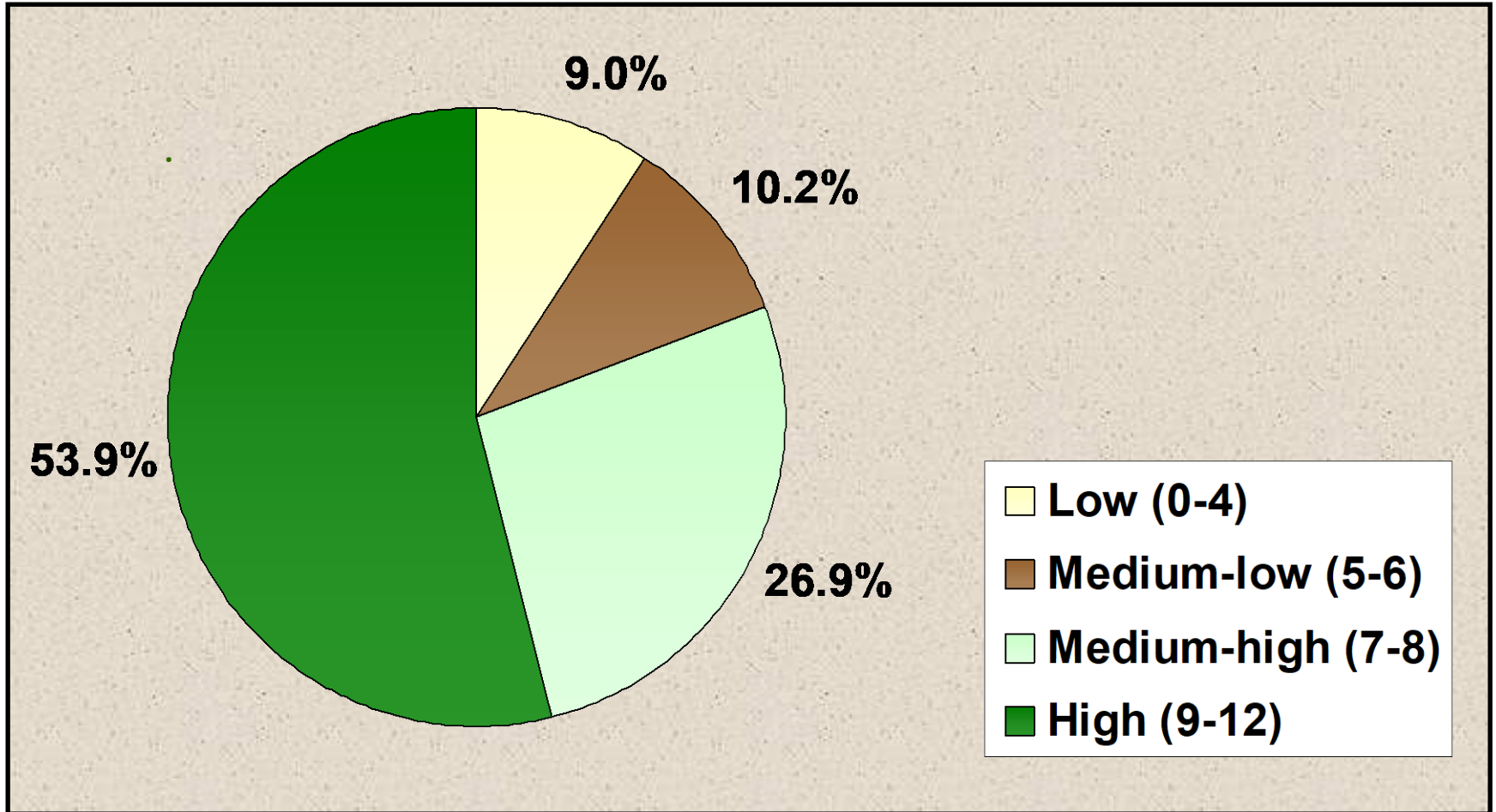
Nominated Weeds in Roadsides



Significant Habitat Trees in Roadsides



Roadside Conservation Values



High Conservation Value Roadsides...

Paul Valley Rd

Hassell Rd

Toolbrunup Rd

Nymbup Rd

Binniup Rd

Pallinup Sth Rd

Kings Cross Rd

Johnston Rd

Peter Valley Rd

Pootenup Rd

Tilbury Rd

Moonies Hill Rd

Warrenup Rd

Witham Rd

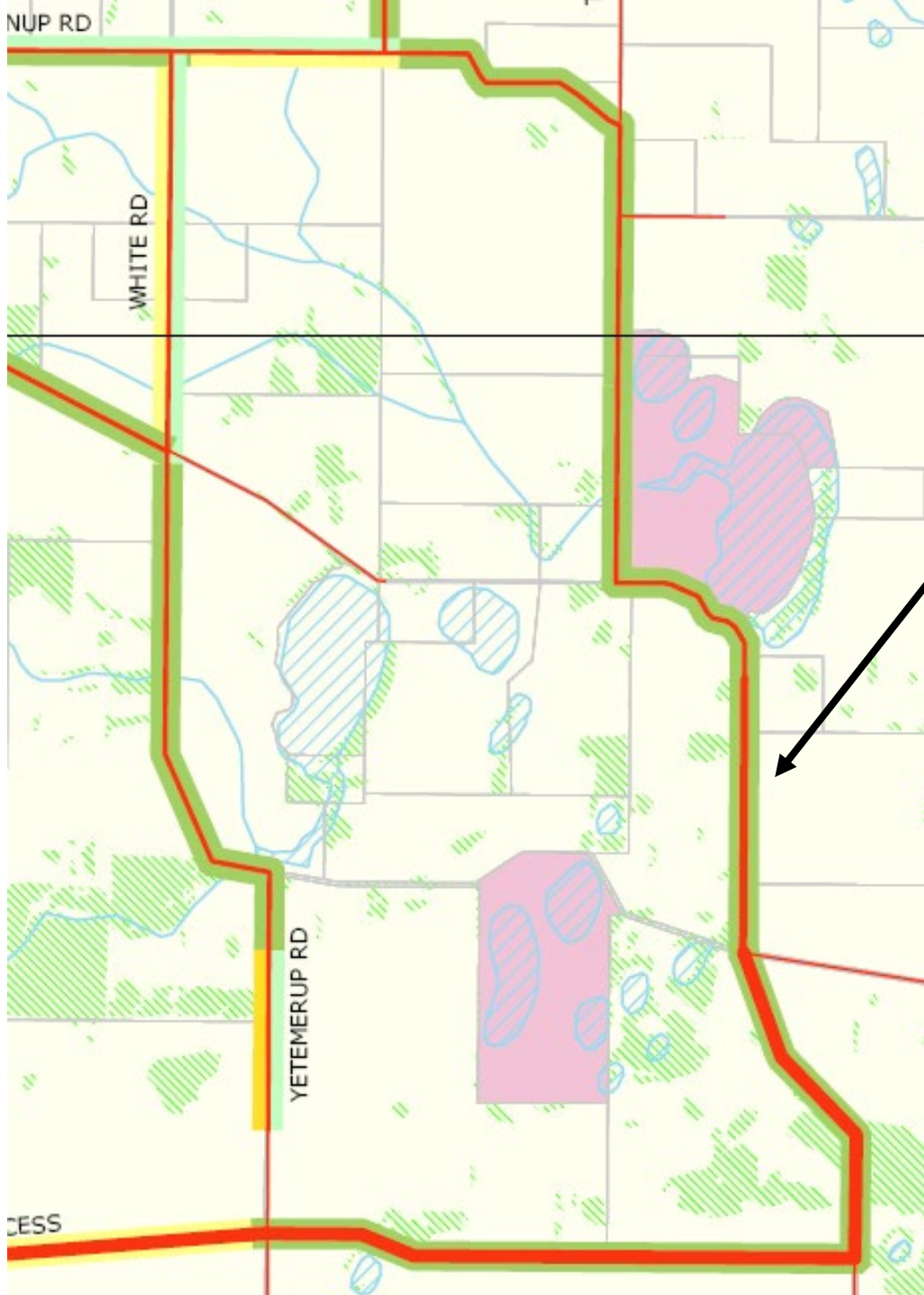
Birt Rd

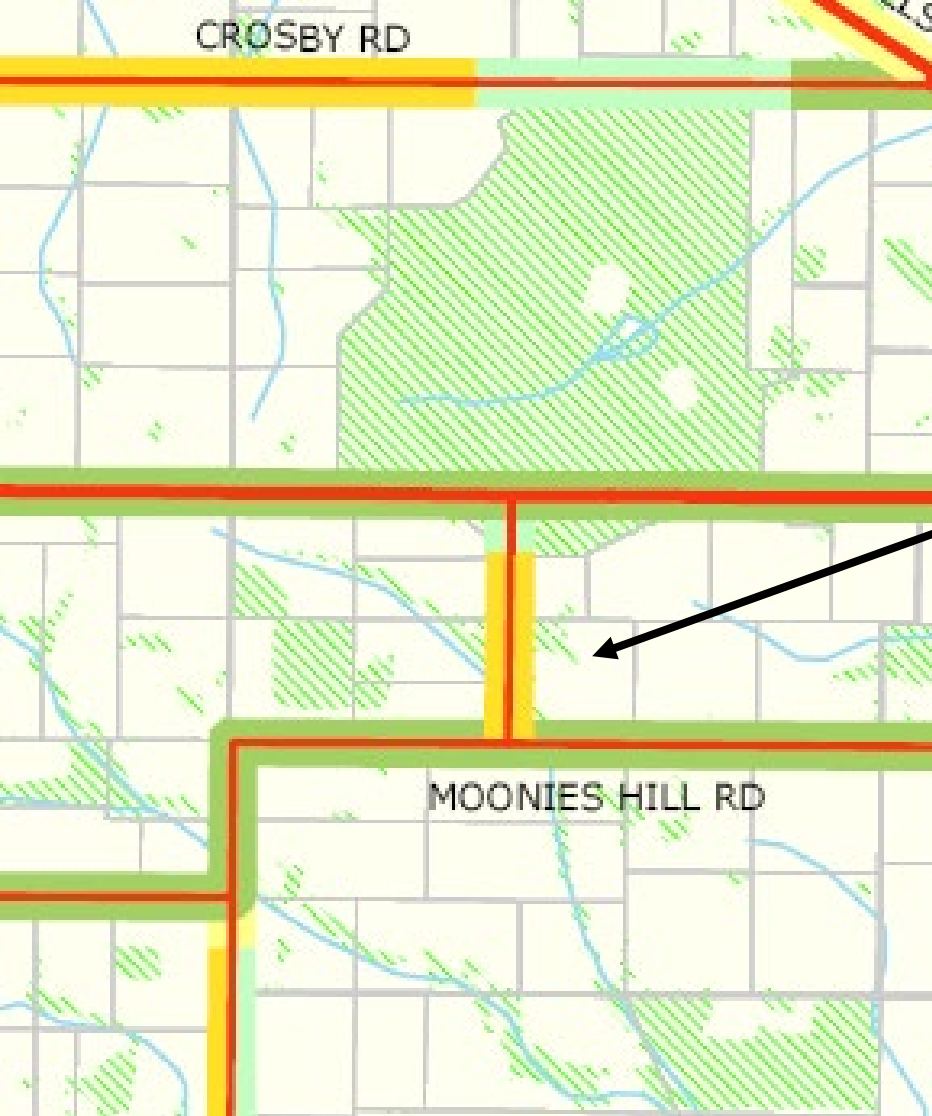
Barrecup Rd

and many more...

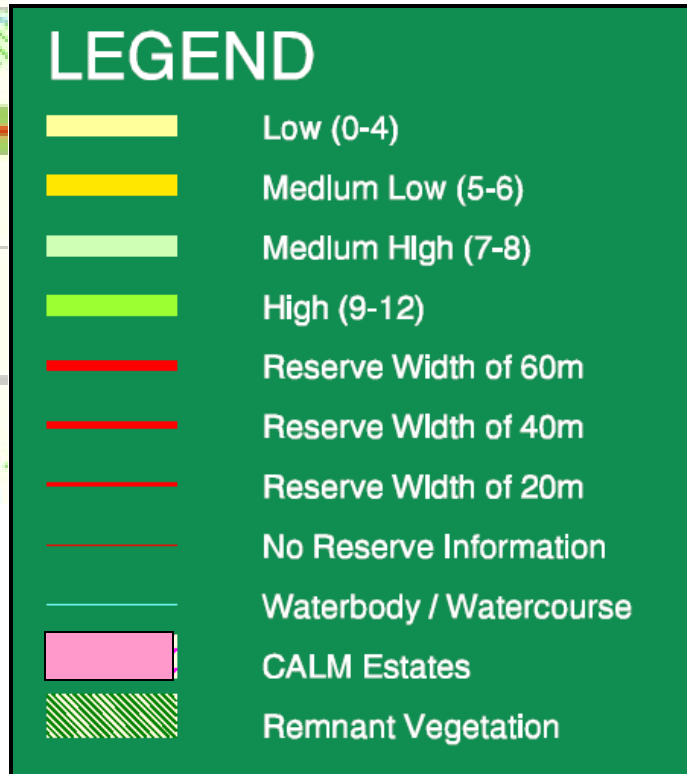


Identify landscape corridors

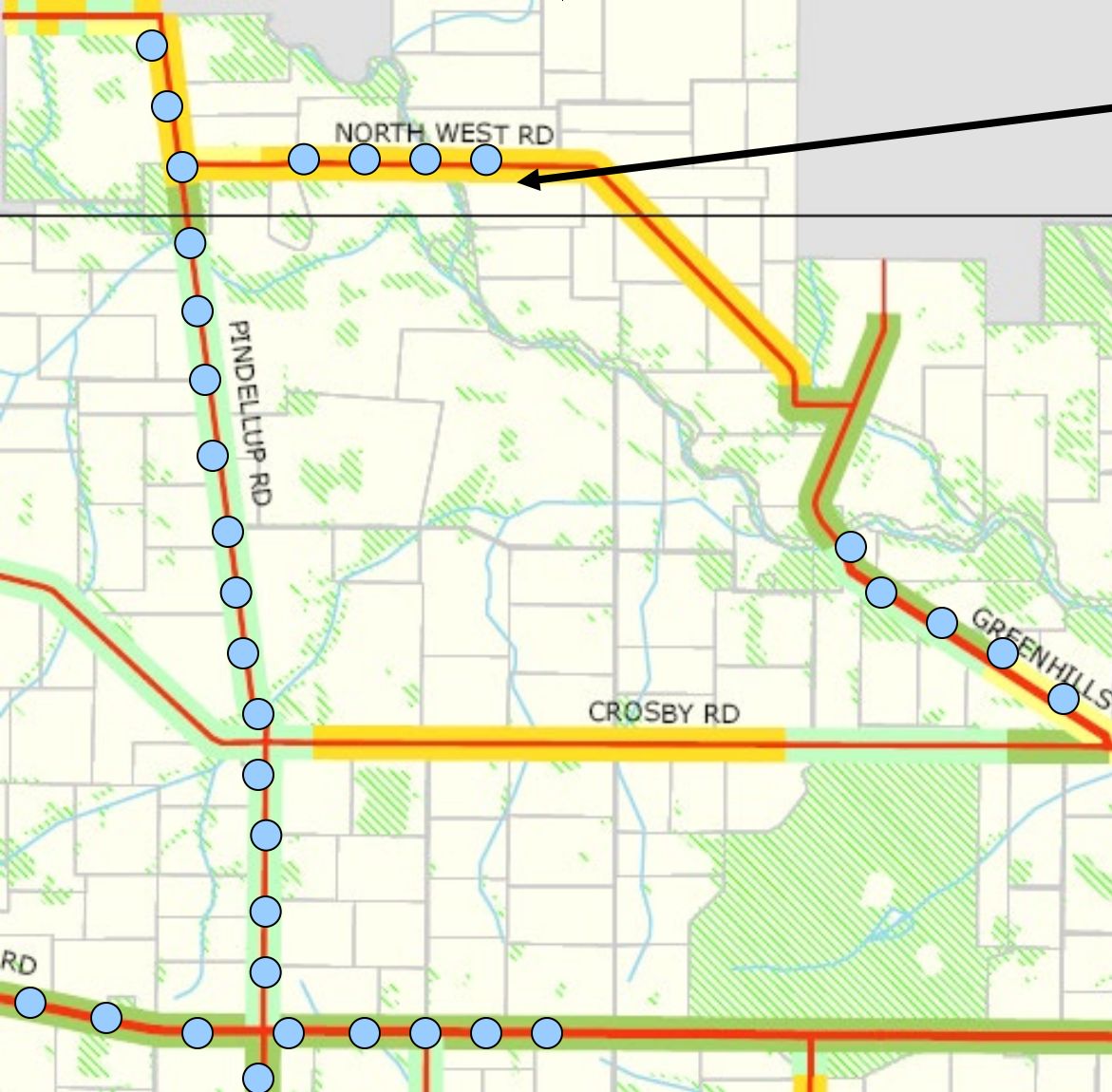




Identify degraded sections for rehabilitation



Assist with weed strategies & priority.



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- Reserve Width of 60m
- Reserve Width of 40m
- Reserve Width of 20m
- No Reserve Information
- Waterbody / Watercourse
- CALM Estates
- Remnant Vegetation
- Bridal Creeper

Management Recommendations

1.1. High conservation value roadsides

 **Protect the native plant communities.**

This can be achieved by:

- ✓ retaining remnant vegetation
- ✓ minimising disturbance to vegetation and to soil
- ✓ preventing or controlling the introduction of weeds

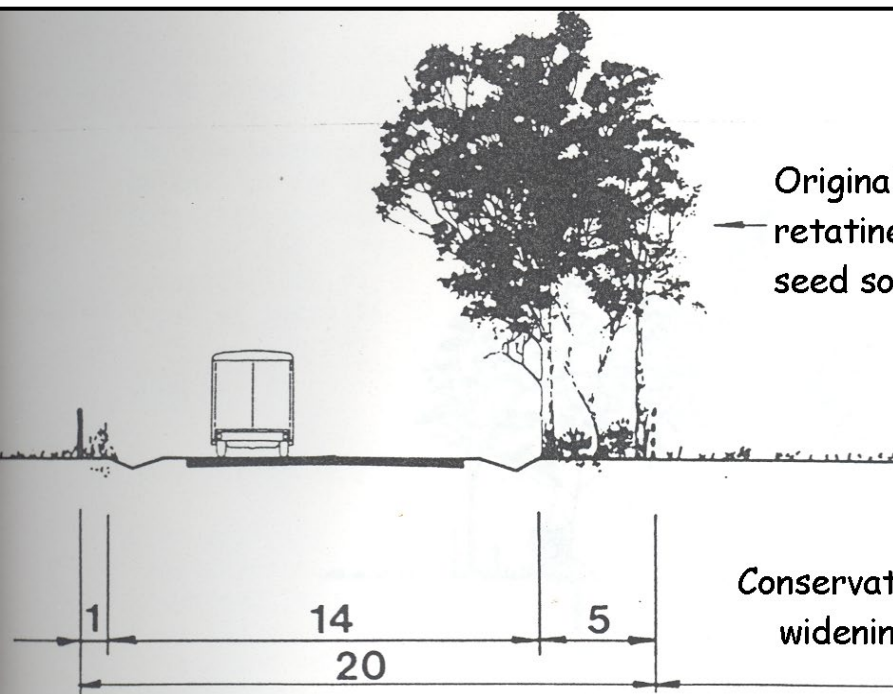


Management Recommendations

Example: Widening road to one side only.



a wider section of roadside vegetation retained on the other side of the road reserve.



Widen road one side
Widen reserve other side



Other Applications...

- Assessing road work impacts,
- Landscape planning,
- Flora roads,
- Incorporate into Landcare/NRM projects
- NRM grants/funding applications,
- Vegetation Management Plans
- Biodiversity Strategies



Contact the RCC...

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