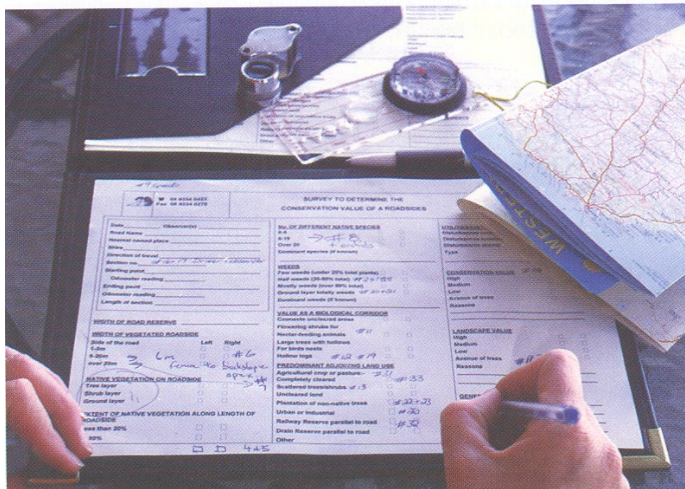


Results of a Roadside Vegetation Survey in Dumbleyung



Roadside Conservation Committee

Roadside Surveys...

Determine value of roadsides.

Snap-shot study.

Aim: map values of roadside remnants in Dumbleyung.

- ✓ Conducted Sep - Nov 2004, Feb 2005.
- ✓ 87% (900 km) of the Shire's 1031 km of roads surveyed.
- ✓ maps produced via a Geographic Information System (GIS).



Roadside Surveys...



The roadside surveyors were local community members:

Megan Haines

Michael Robinson

Joan Temby

Meryn Clune

Michele Brown

Ella Maesepp

Geoff Burrow

Bill Temby

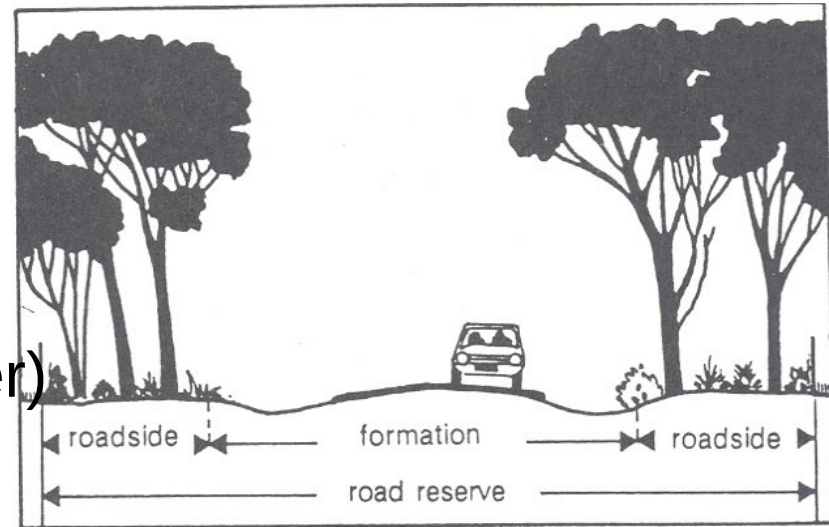
They contributed
over 55 hours of
survey work!



Roadside Conservation Committee

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

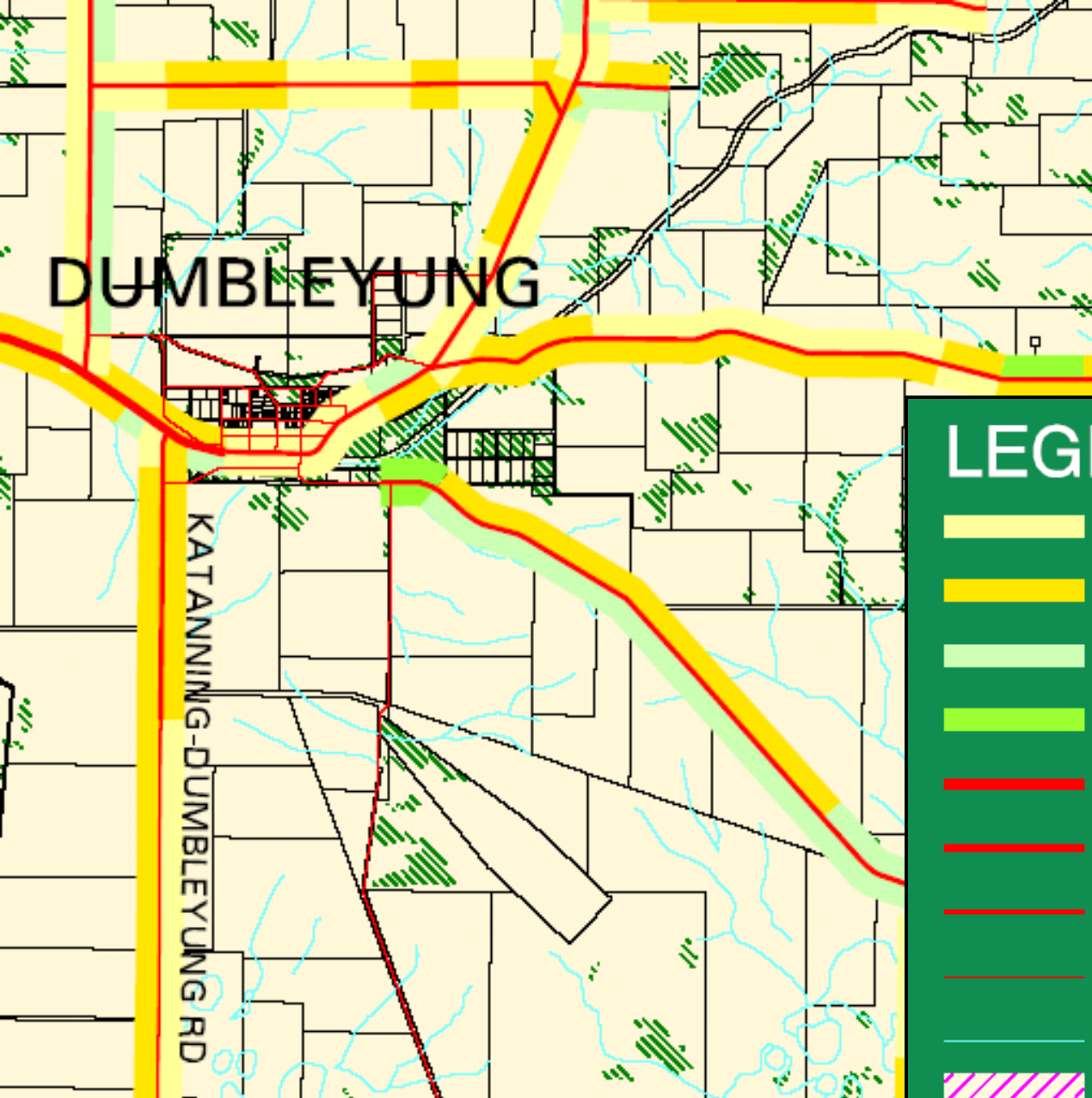
The 6* attributes scored 0, 1 or 2.

Then combined to provide a conservation value score 0-12

Then conservation value scores grouped into 4 categories represented by:

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



Roadside Conservation Committee

The Natural Environment...

- Only 9.5% native vegetation remains.
- Over 750 species of native plants recorded.
- Of the known declared rare flora (DRF) and priority flora:
 - 20 roadside locations, 12 sites vested in shire.
- 159 fauna species: 70 bird, 12 amphibia, 23 mammal, 5 fish, 49 reptile.
- 20 species of 'threatened & priority' fauna:
 - E.G. Numbat, Chuditch, Malleefowl, west ringtail possum, carpet python.



RESULTS

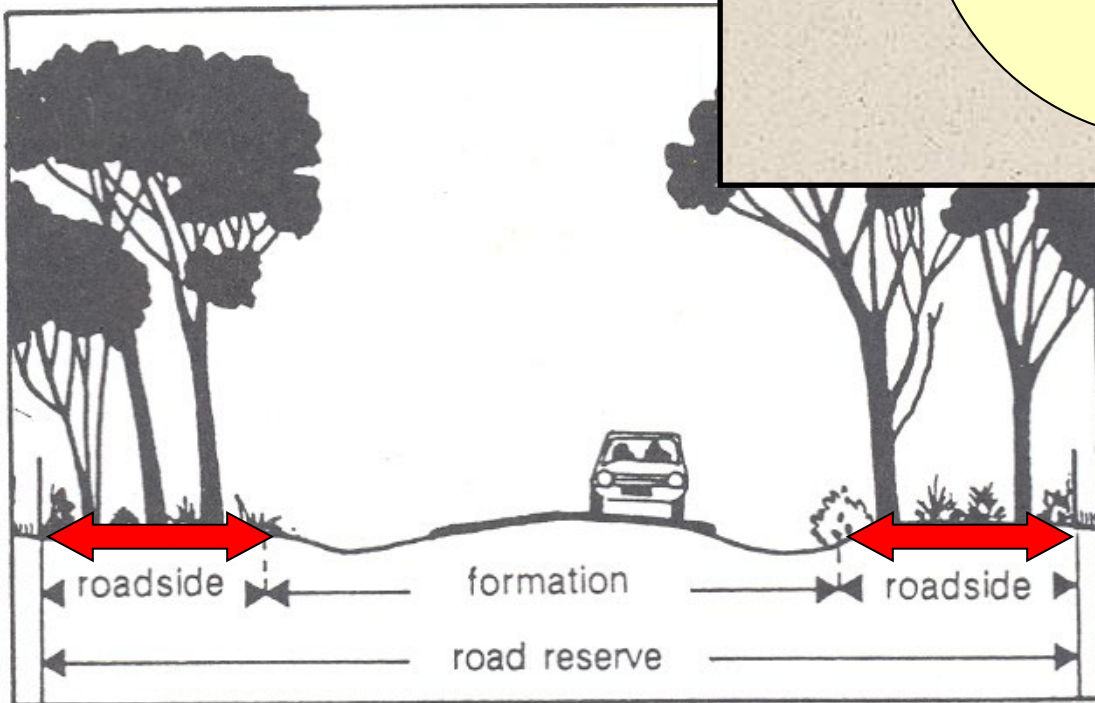
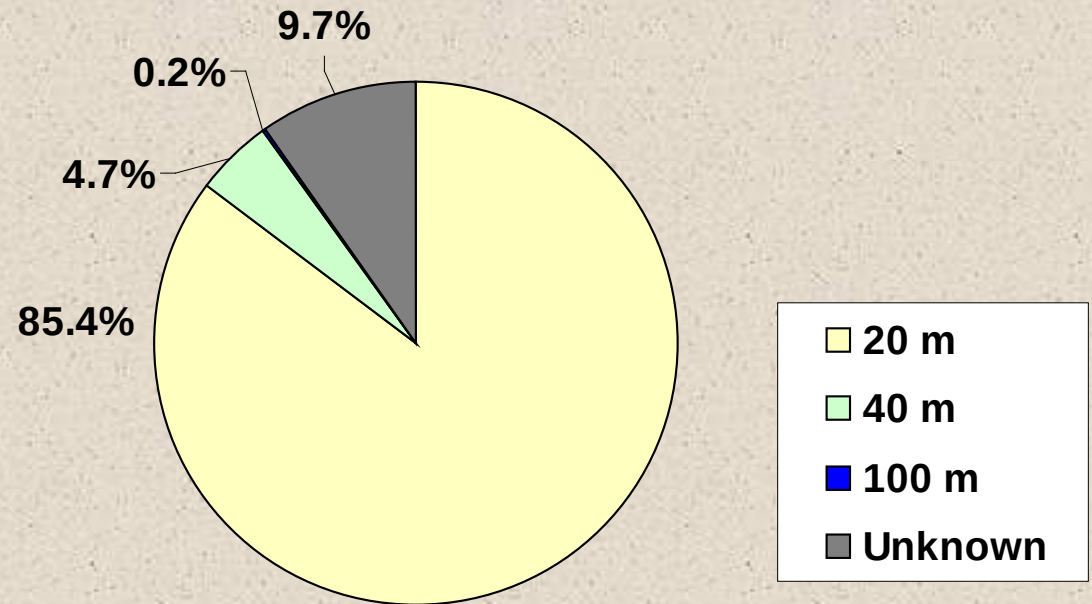


Ok

So what did we find?



Width of Road Reserves (m)

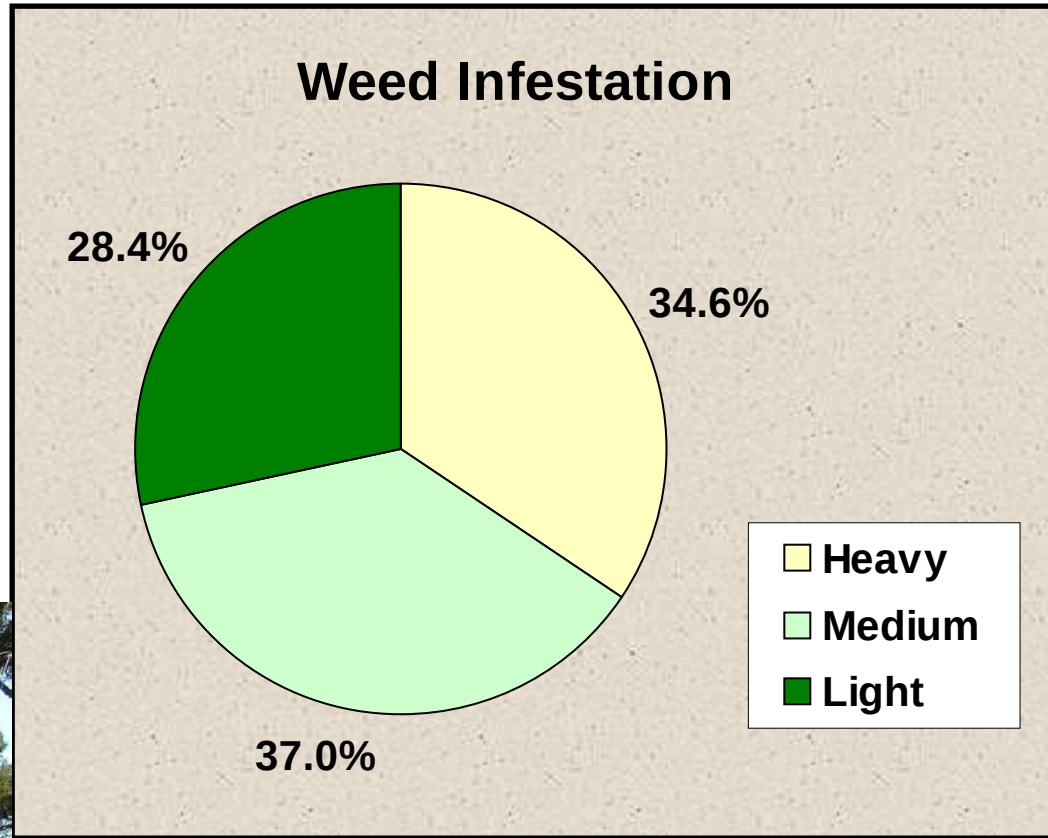


Width of Vegetation in Roadsides



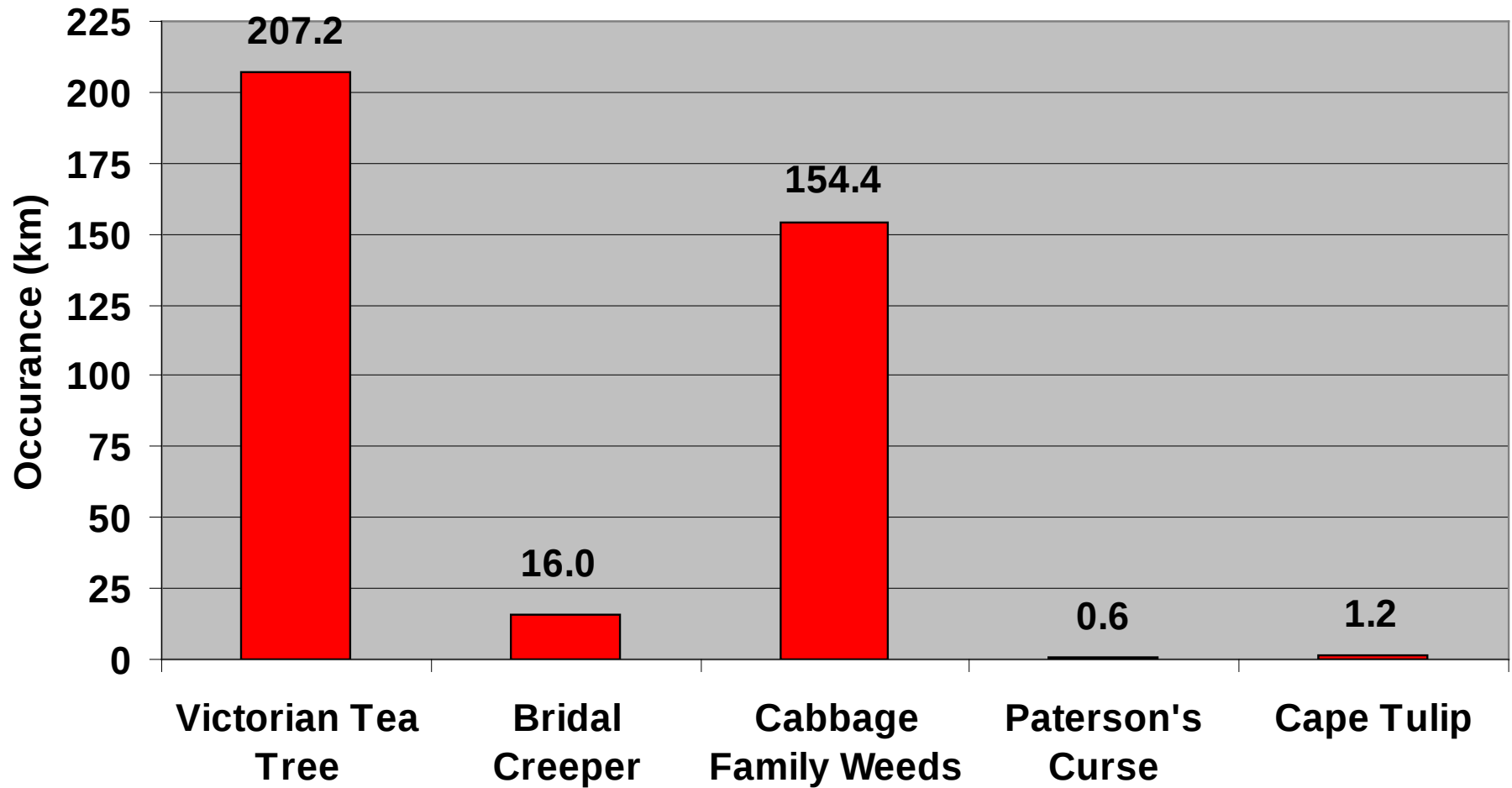
Roadside Conservation Committee

General Weed Cover

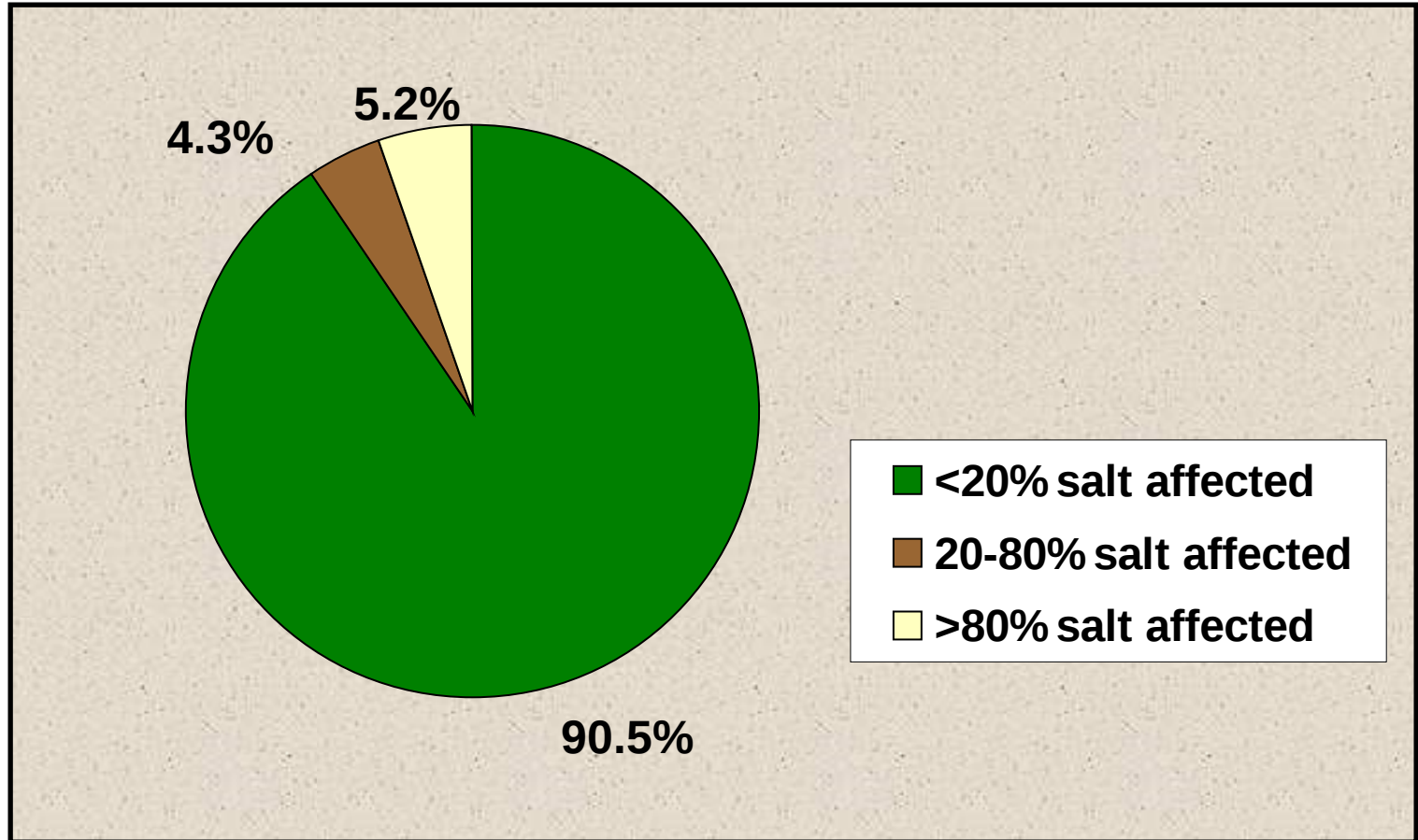


Heavy weed cover (>80% of plants)

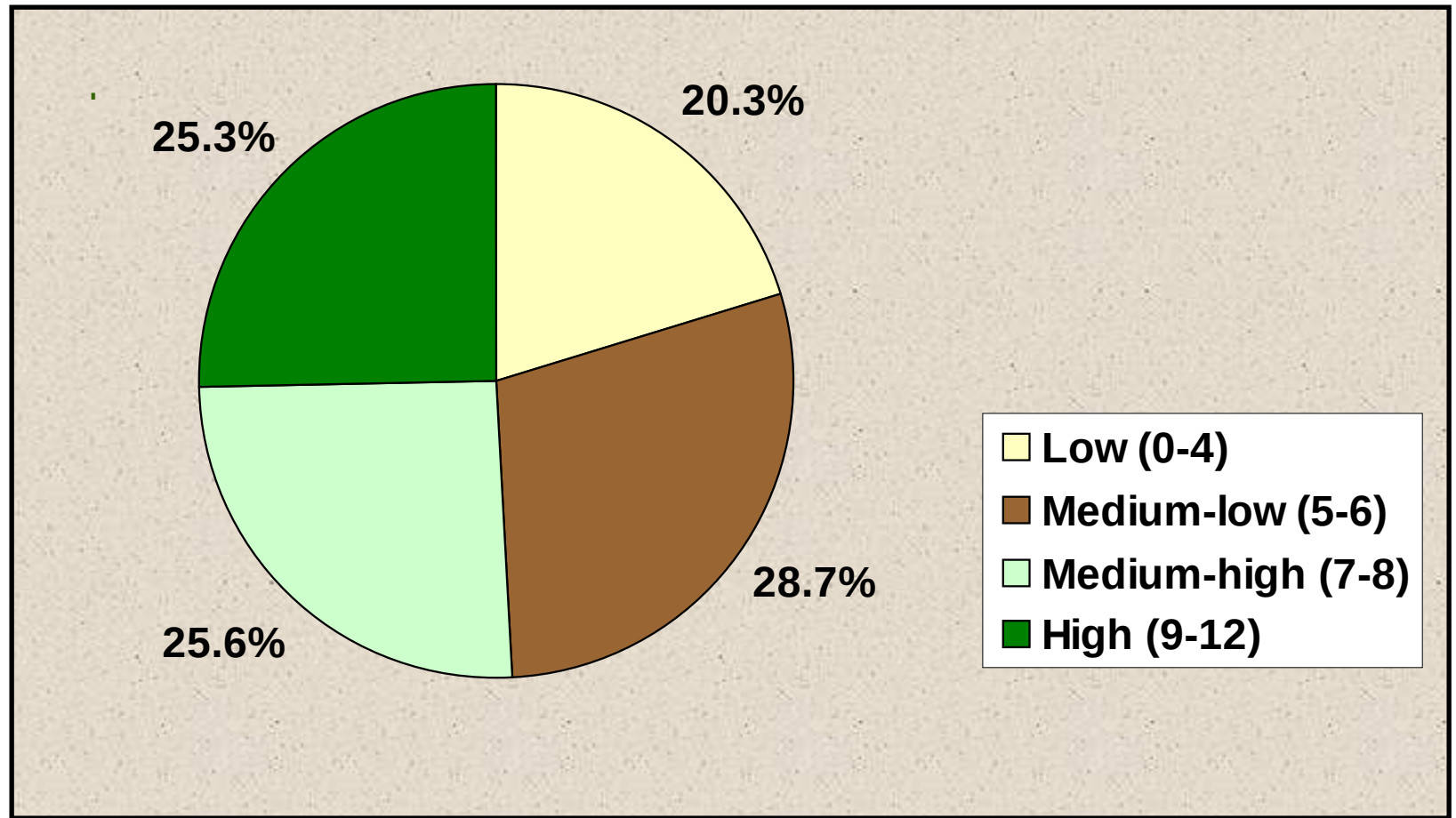
Nominated Weeds



Salt Affected Roadsides



Total: Roadside Conservation Values



High Conservation Value Roads

Tarin Rock Rd

Tarin Rock South Rd

Siberia Rd

Old Lake Grace Rd

Rifle Range Rd

Hills Rd

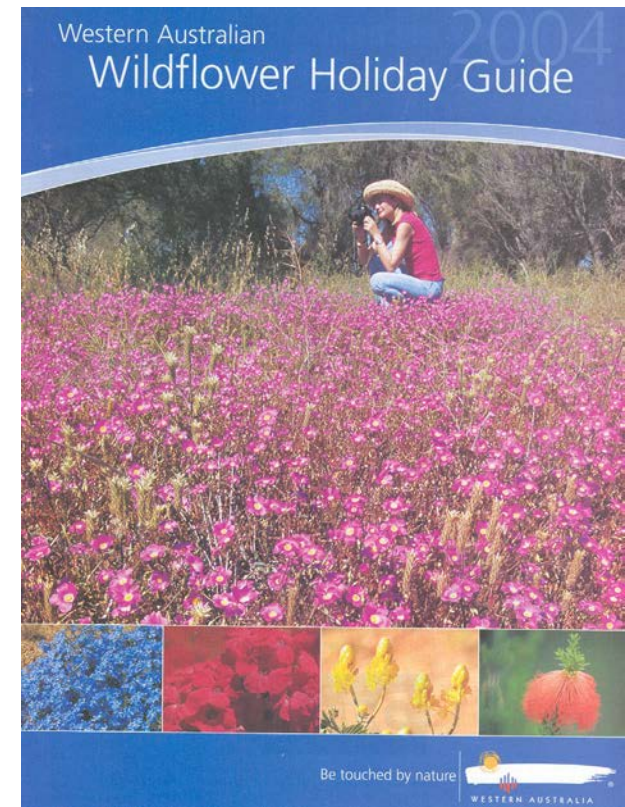
Holden Rd

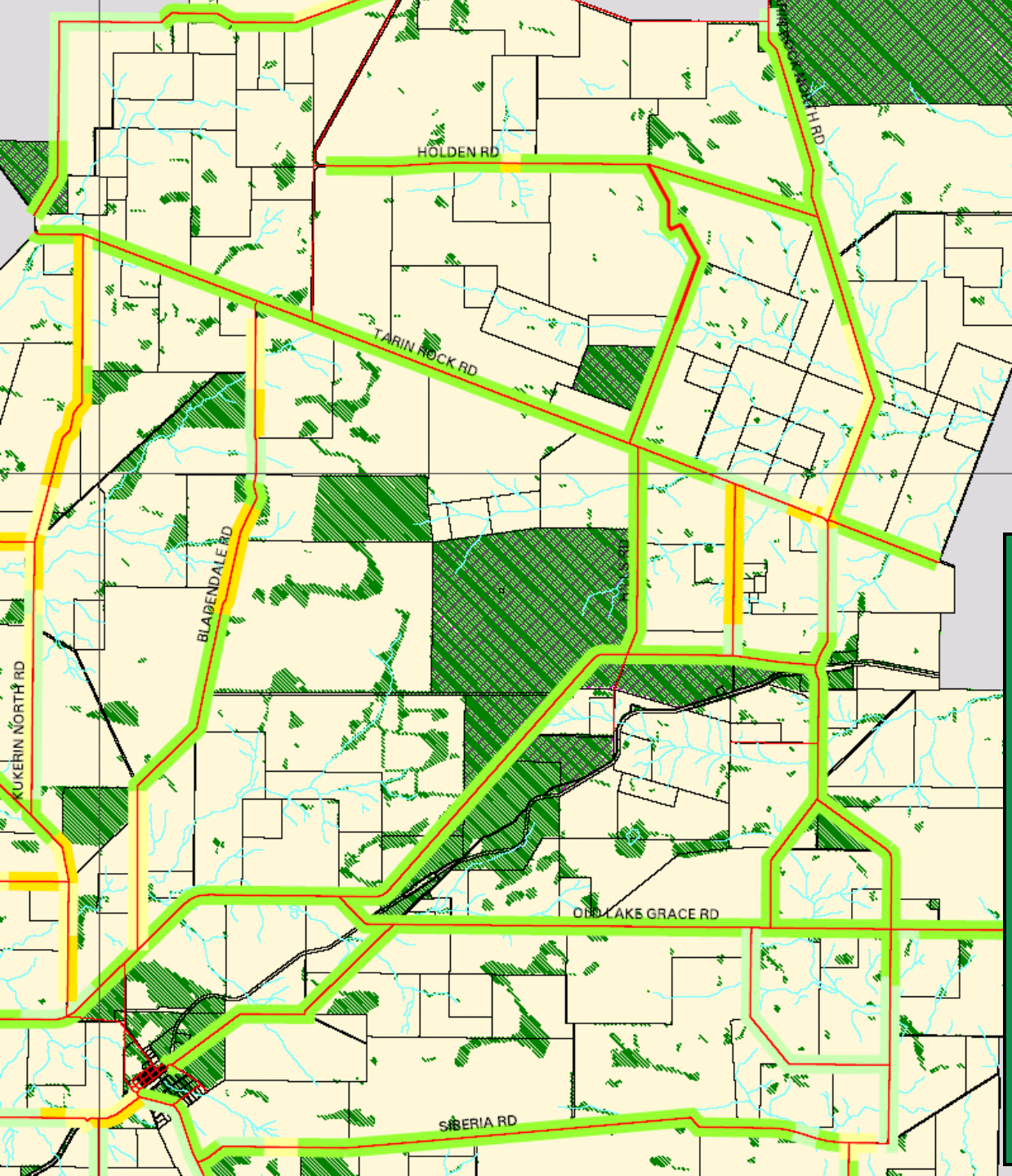
Dumbleyung-Lake Grace Rd

Kings Rd

Brays Rd

Willcock Rd



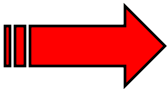


LEGEND

- 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

Management Recommendations

1.1. Protect high conservation value roadsides.

 **Maintain and enhance the native plant communities.**

This can be achieved by:

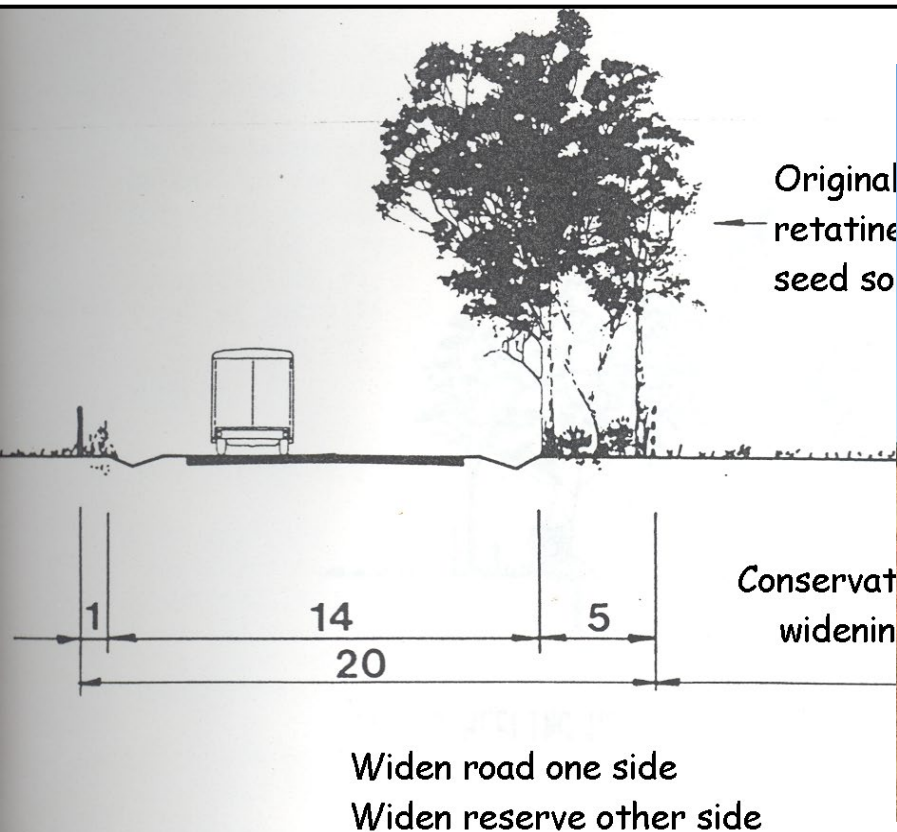
- ✓ retaining remnant vegetation
- ✓ minimising disturbance to existing vegetation and to soil
- ✓ preventing or controlling the introduction of weeds



Management Recommendations

Example: Widening road to one side only.

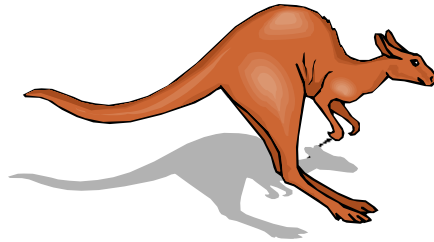
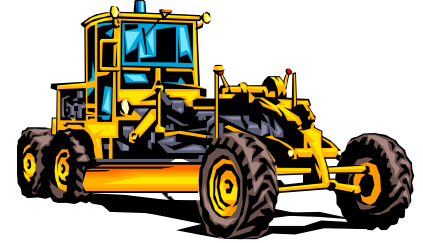
 a wider section of roadside vegetation retained on the other side of the road reserve.



Other Applications...

- *Weed control priority,
- *Road work impacts,
- *Funding applications
- *Wildlife corridors,
- *Tourism (Flora roads),
- *Revegetation,
- *Incorporate into Landcare/ other NRM projects.
- *Vegetation Management Plans





Roadside Conservation Committee

Contact the RCC...

Cressida Wilson
Executive Officer

Roadside Conservation Committee

Phone: 9334 0423

Email: cressidaw@calm.wa.gov.au

Kate Jackson
Technical Officer

Roadside Conservation Committee

Phone: 9334 0174

E-mail: katej@calm.wa.gov.au



Roadside Conservation Committee