

A 2018 PROJECT SUMMARY

CREWES CREEK WEED MANAGEMENT PROGRAM



An environmental initiative
by Logan City Council and
Oxley Creek Catchment
Association

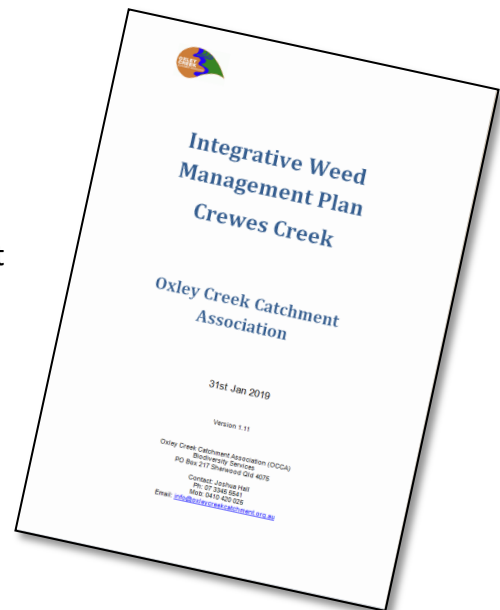


Project Brief

The Crewes Creek Weed Management Program is an environmental initiative undertaken by Oxley Creek Catchment Association (OCCA) and Logan City Council. The program focuses on engaging with local landholders and assisting them with their weed and land management issues, using the principles of Ecological Restoration.

The program, which has just completed its first year, consists of the following:

- OCCA professionals developing an Integrative Weed Management Plan for each participant based on an initial scoping visit.
- OCCA professionals conducting weed treatment works for a full day to help support local landholders.
- A follow-up visit to assess the weed treatment works and to provide advice for ongoing maintenance.
- Each participating property receives 40 free native plants each year for 3 years.



OCCA would like to give a big thanks to all first-year participants for showing such willingness and enthusiasm to tackle the problem of invasive species on their properties. We have really enjoyed being able to provide practical and on-ground advice to you all, and hopefully the management plans and works conducted have given you a greater capacity to help manage your properties in the future.

OCCA would also like to thank Logan City Council for its continued support in the program and particularly Councillor Smith, who has been a strong advocate for the ongoing support of local landholder's weed and land management issues.

As the Crewes Creek Weed Management Program moves into its second year, we would like to encourage other landholders in the Crewes Creek Catchment to email any expressions of interest to us at: info@oxleycreekcatchment.org.au

Project Summary Statistics



Length of Creek Treated: 3.028 km



Total Properties participating: 18



Total Area of Properties: 50.71 ha



Total New Area Under Regeneration: 34.59 ha



Total Number of Native Trees Planted in Catchment: 720

Project Maps

Below are maps generated about the project, including: the properties of Crewes Creek, the worst weeds identified along Crewes Creek, erosion, and local Regional Ecosystems.

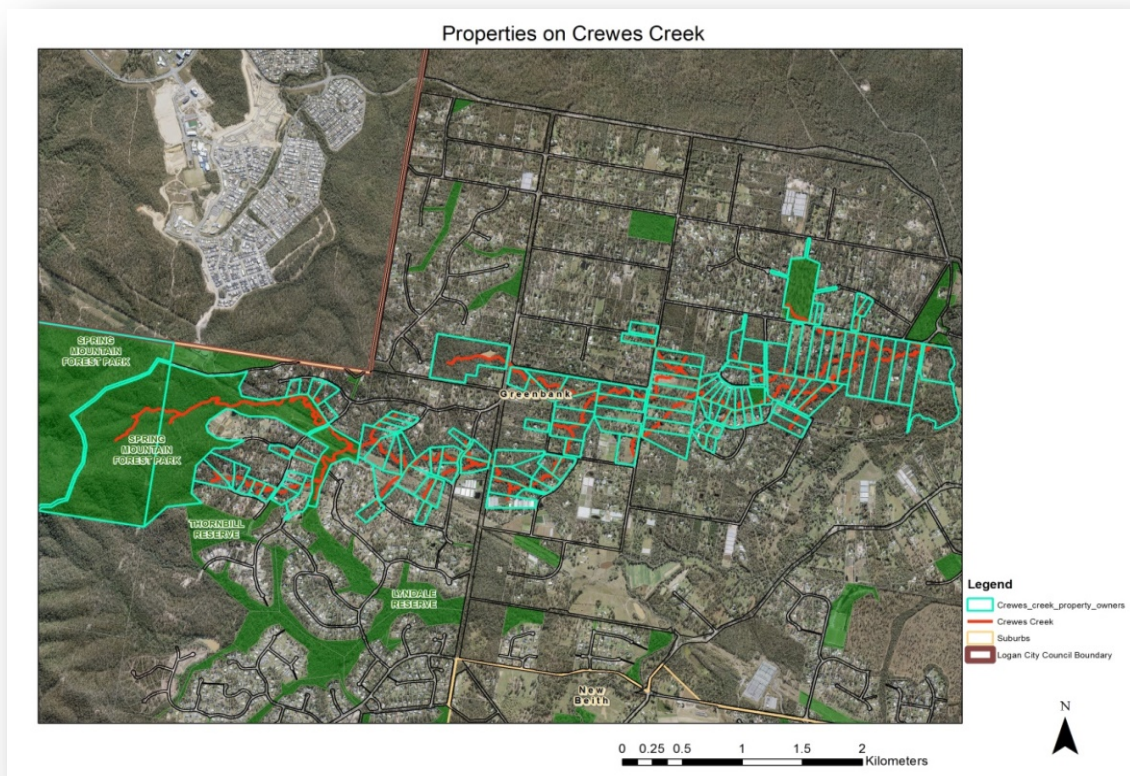


Figure 1. All properties along Crewes Creek.

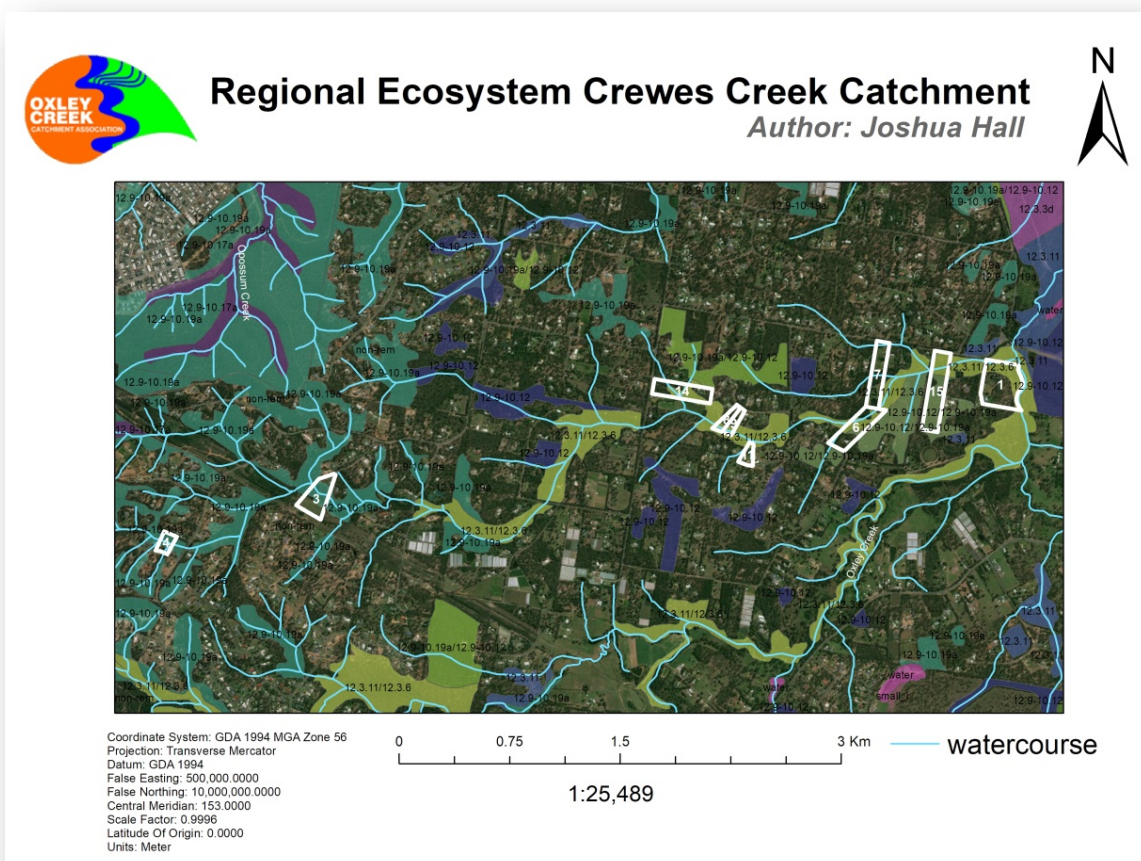


Figure 2. Regional Ecosystems along Crewes Creek.

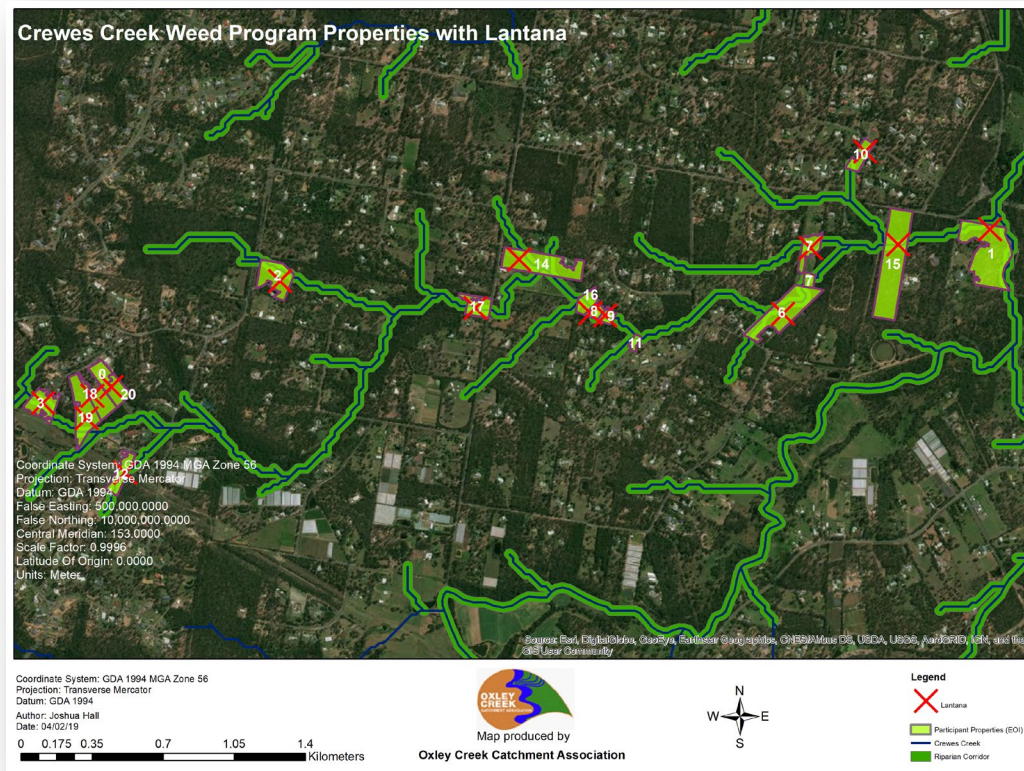


Figure 3. Properties with Lantana

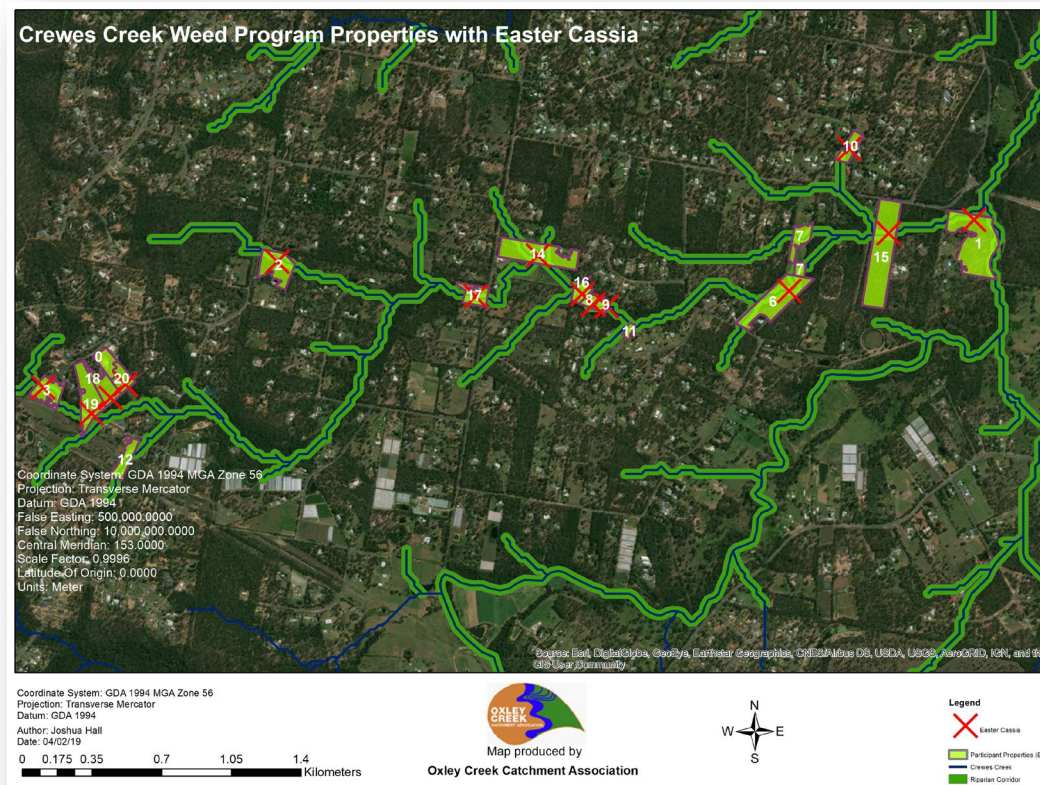


Figure 4. Properties with Easter Cassia

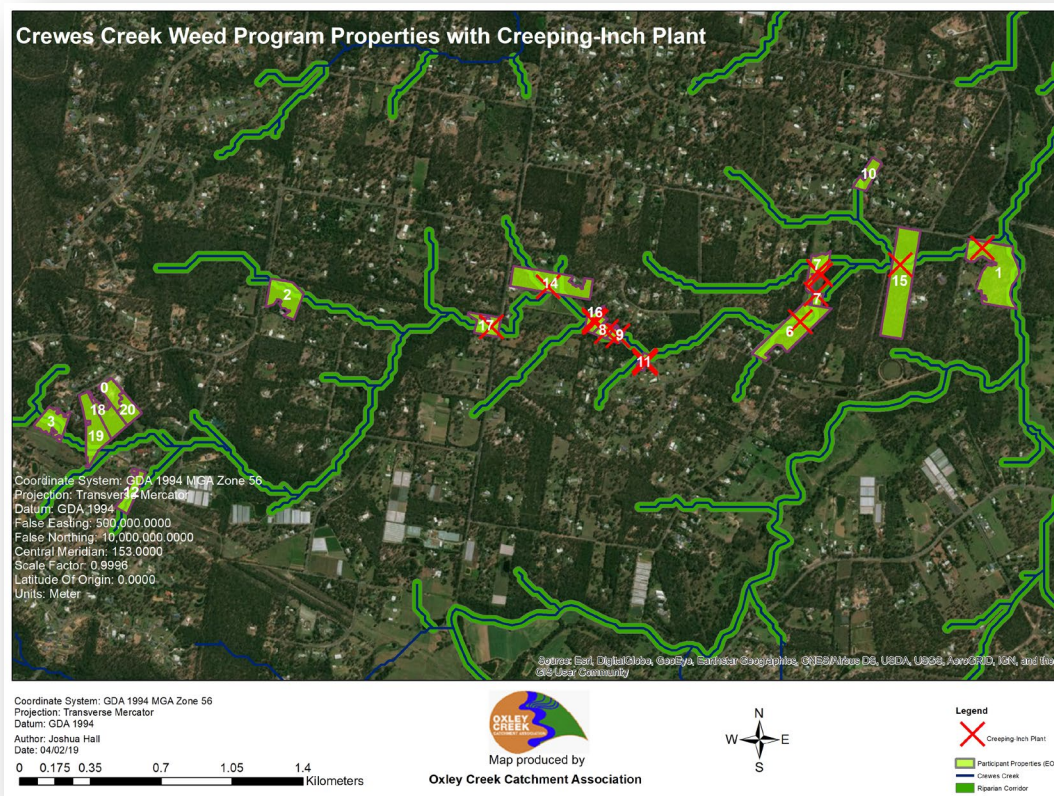


Figure 5. Properties with Creeping-inch plant

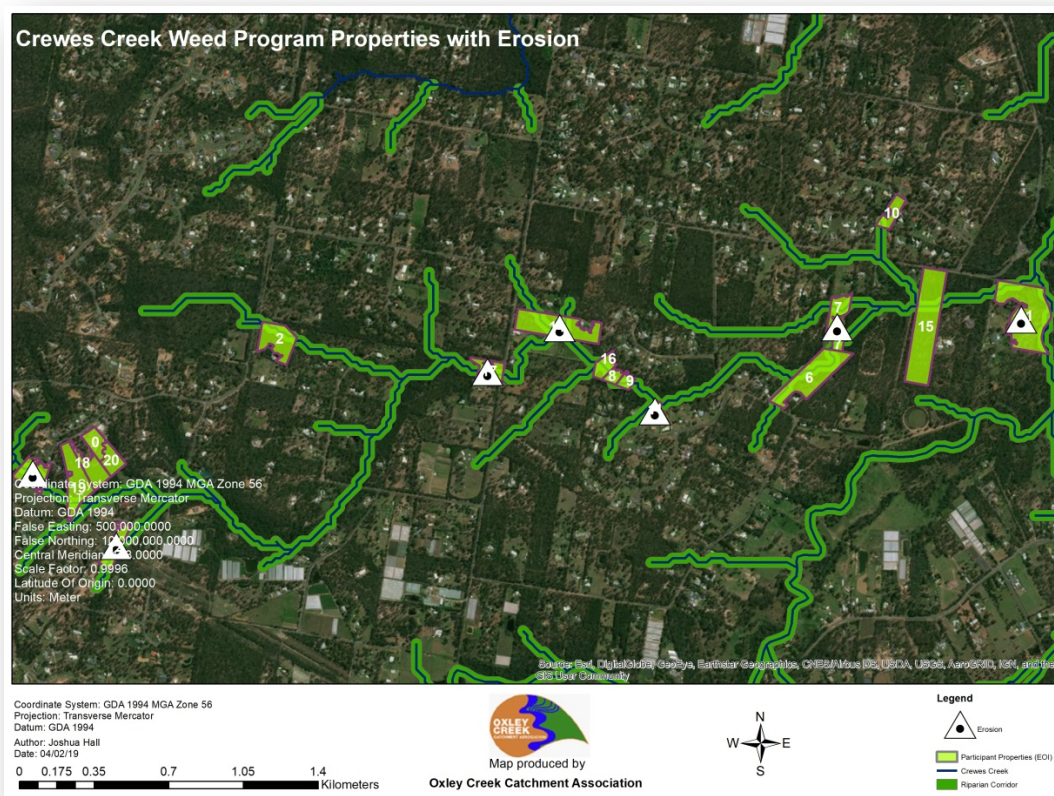


Figure 6. Properties with significant erosion

Plant Identification Tables

Below are two tables of photos showing common native plant sapling and common weeds of Crewes Creek.

Table 1 Common Crewes Creek Native Pioneering Species as Saplings



Wattle (various) - *Acacia* spp.
(OCCA)



Black sheoak - *Allocasuarina littoralis*
(OCCA)



Cheese Tree - *Glochidion ferdinandi*
(Michael, 2018)



Sand paper fig - *Ficus Coronata*
(Michael, 2018)



Hairy-leaved lolly bush - *Clerodendrum tomentosum* (Michael, 2018)



Whalebone tree - *Streblus brunonianus*
(Michael, 2018)



Poison Peach - *Trema tomentosum* (Dawn Road Reserve Bushcare group, 2018)



Celerywood - *Polyscias elegans*
(Wikipedia, 2018)



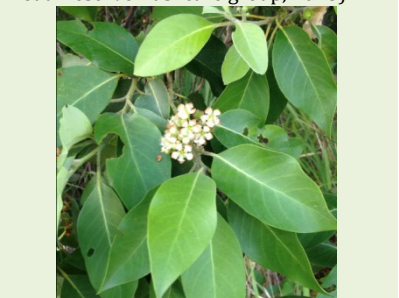
Soap tree - *Alphitonia excelsa* (Dawn Road Reserve Bushcare group, 2018)



Native hibiscus - *Hibiscus heterophyllus*
(The Royal Botanic Gardens Trust, 2018)

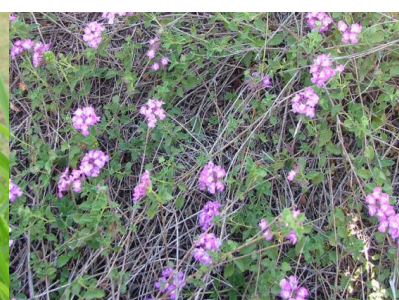
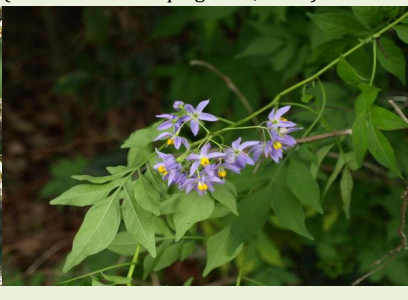


Native olive - *Notelaea longifolia*
(Save Our Waterways Now, 2018)



Swamp box - *Lophostemon suaveolens*
(Creative Commons, 2018)

Table 2 Common Crewes Creek Invasive Species

		
Salvinia - <i>Salvinia molesta</i> (Weeds.brisbane.qld.gov.au, 2018)	Signal Grass - <i>Urochloa decumbens</i> (Weeds.brisbane.qld.gov.au, 2018)	Creeping Lantana - <i>Lantana montevidensis</i> (Weeds.brisbane.qld.gov.au, 2018)
		
Climbing Asparagus - <i>Asparagus africanus</i> (Weeds.brisbane.qld.gov.au, 2018)	Ground Asparagus - <i>Asparagus aethiopicus</i> (Weeds.brisbane.qld.gov.au, 2018)	Guinea Grass - <i>Megathyrsus maximus</i> var. <i>maximus</i> (Weeds.brisbane.qld.gov.au, 2018)
		
Rhodes Grass - <i>Chloris gayana</i> (Weeds.brisbane.qld.gov.au, 2018)	Brazilian Nightshade - <i>Solanum seaforthianum</i> (Weeds.brisbane.qld.gov.au, 2018)	Lantana - <i>Lantana camara</i> (Weeds.brisbane.qld.gov.au, 2018)
		
Corky passion vine - <i>Passiflora suberosa</i> (Weeds.brisbane.qld.gov.au, 2018)	Ochna - <i>Ochna serrulata</i> (Weeds.brisbane.qld.gov.au, 2018)	Queen Palm - <i>Syagrus romanzoffiana</i> (Weeds.brisbane.qld.gov.au, 2018)



Management Areas

Below are some calculations of the properties participating in the program (EOIs) including area of properties, length of Crewes Creek running through property, and the area on the properties now undergoing natural regeneration.

Table 3 Property area (ha) of participating EOIs

EOI	Area of Participant Properties (ha)
1	7.8
2	2.59
3	3.9
4	12.1
6	4.4
7	4.0
8	1.9
9	1.0
10	0.99
11	1.0
12	2.2
14	4.0
15	6.1
16	1.5
17	1.2
18	2.0
19	2.9
20	2.02
Total	50.71 ha

Table 4 Length of Crewes Creek that received weed treatment (m)

EOI	Crewes Creek Length Treated (m)
1	463
2	191
3	168
4	98
6	448
7	276
8	77
9	75
10	51
11	88
12	211
14	386
15	152
16	90
17	122
18	0
19	132
20	0
Total	3028m



Table 5 Areas of properties that have been put under now under new restoration

EOI	Area Under New Management (ha)
1	5.5
2	2.1
3	1.55
4	0.92
6	3.7
7	1.07
8	0.43
9	0.41
10	0.89
11	0.26
12	1.13
14	3.71
15	6.01
16	0.76
17	1.15
18	1.42
19	2.56
20	1.02
Total	34.59 ha

Photo Monitoring

Below is a collection of photo monitoring tables from various properties to help demonstrate the progress that has been made by the participants and OCCA over the duration of program.



Jindabyne Court

Before



After



Before



After



Ison Road

Before



After



Before



After



Backwater Road

Before



After



Before



After



Before



After



Before



After



Lyndale Road

Before



After



Before



After



Before



After



Before



After



Lyndale Road

Before



After



Before



After



Ison Road

Before



After



Before



After



Ison Road

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Ison Road

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Ison Road

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Before



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Ison Road

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After



Before



After



Before



After



Whistler Court

Before



After



Whistler Court

Before



After



Begley Road

Before



After



Before



After



Before



After

