B&W Rural and GVIA

Mimosa Management Demonstration

Technique	Treatmt No.	Product	Volume	Treatment dates
Mechanical / Chemical (Slashed/Mulch 13th Nov 2015 & regrowth Spray Nov 2016 to Jan 2017)	5	Lontrel Advanced 250 mL + Pulse Penetrant 100mL	100L	Application Site 1: 7Nov16 Site 2: 23Nov16 & 5Jan17
	6	Lontrel Advanced 150mL + Stinger 20 g + Pulse Penetrant 100 mL	100L	Application Site 1: 7Nov 16 Site 2: 4Jan17
	7	Starane Advanced 1.8L + Diesel 100L	100L	Application Site 1: 7Nov16 Site 2: 3 Jan 17
	8	Access 1L + Diesel 60L	60L	Application Site 1: 7Nov16 Site 2: 3Jan17
Chemical (Application Nov 2016 to Jan 2017)	9	Lontrel Advance 250mL + Pulse Penetrant 100mL	100L	Application Site 1: 7Nov16 Site 2: 23Nov16 & 5Jan17
	10	Lontrel Advance 150mL + Stinger 20g + Pulse Penetrant 100mL	100L	Application Site 1: 7Nov16 Site 2: 16Nov16 & 23Nov16
	11	Grazon Extra 500mL + Lontrel Advance 150mL + Stinger 20g + Pulse Penetrant 100mL	100L	Application Site 1: 7Nov16 Site 2: 17Nov16 & 4Jan17
Pellets (Applied Nov 2016)	12	Graslan 2g/m2		Application Site 1: 15Nov16

The majority of the plots in the trial had quite heavy infestations and access was difficult.

The initial assessments were encouraging but the second assessment showed regrowth in most plots. Good conditions in spring, and issues with complete coverage in heavily infestated segments may help explain the results.

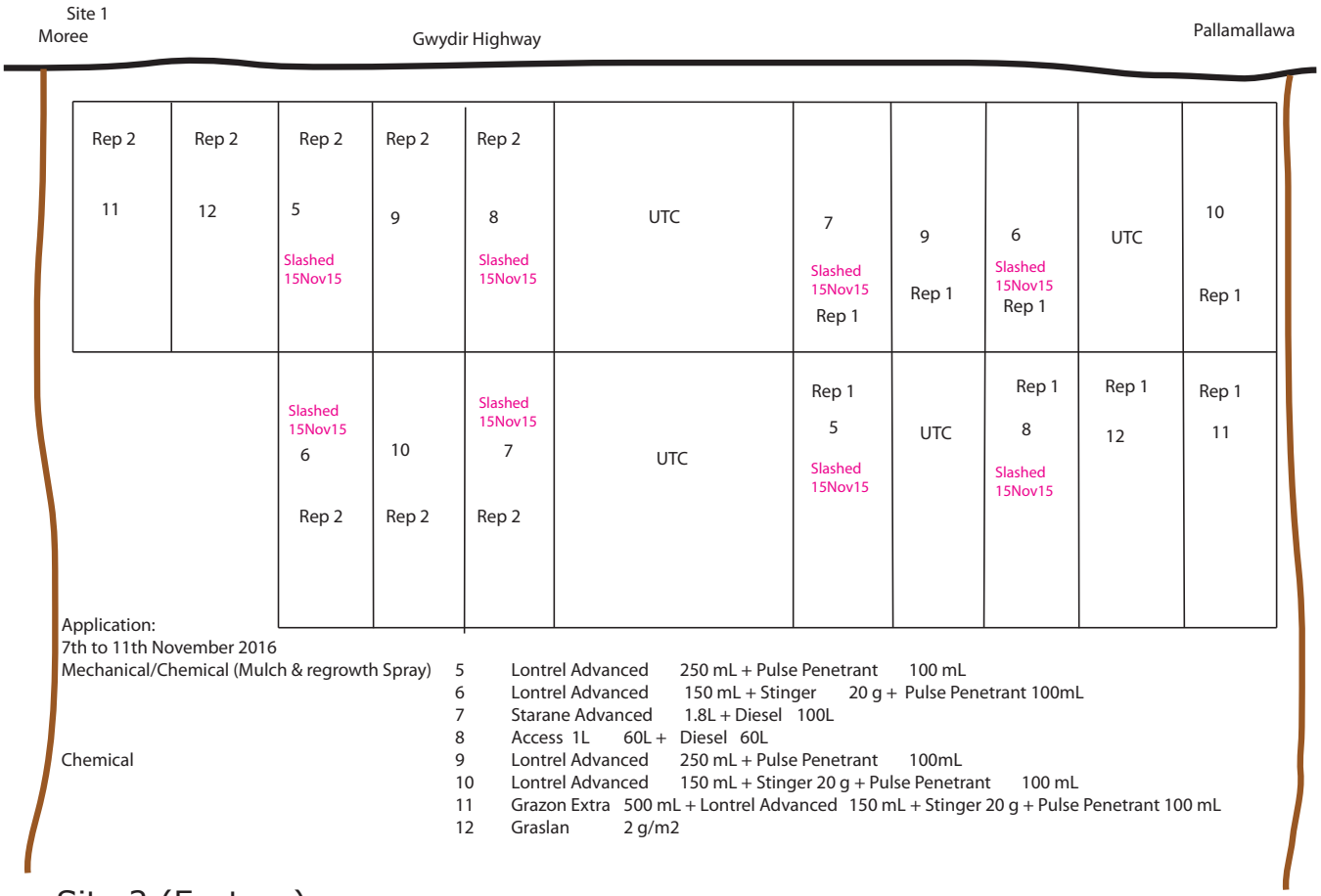
There does not appear to be any clear improvement in the level of control from slashing or mulching the treatments prior to chemical application.

The primary benefit of slashing or mulching in heavy infestations is to improve access. Where plots had been slashed access was significantly increased and coverage was easier. Despite allowing 12 months for regrowth, there was significantly less leaf area for chemical uptake following slashing, this may have impacted the level of control.

Importantly as Mimosa (Vachellia farnesiana) is difficult to get long term control of, it is not uncommon for the bush to regrow up to 12 months after a chemical or mechanical treatment. Secondary treatments are likely to be necessary with most control methods adopted.

NSW GOVERNMENT Local Land Services North West

Site 1 (Western)

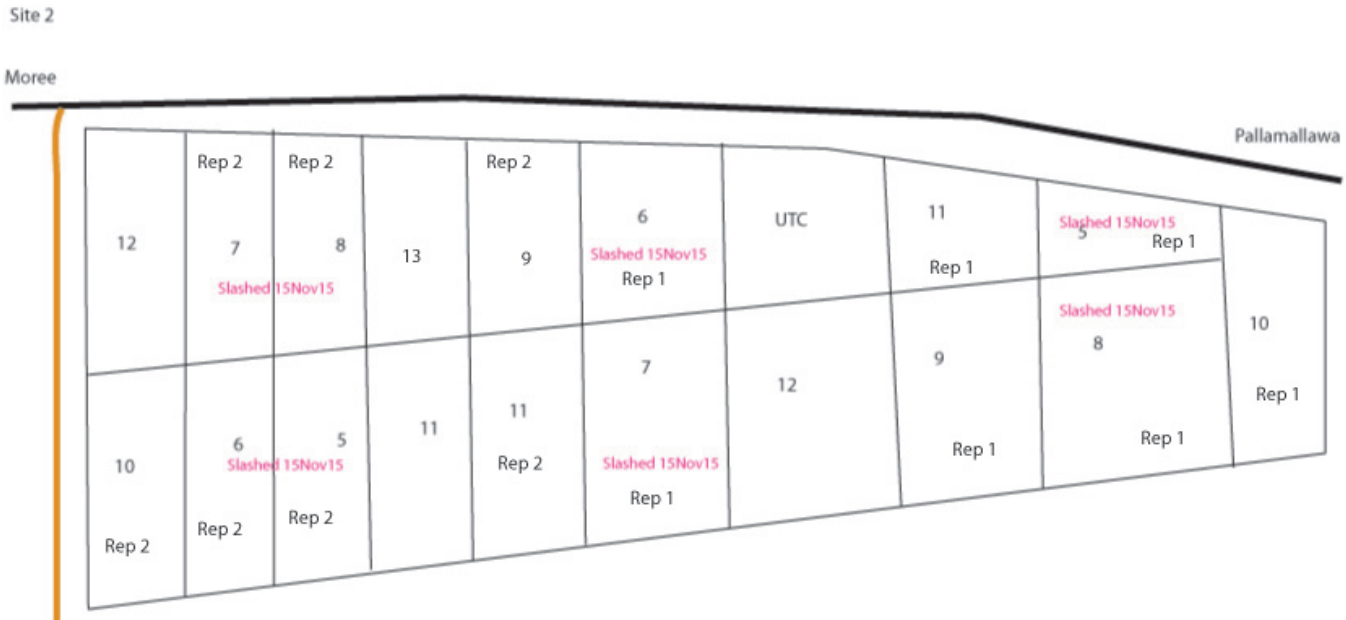


Application:
7th to 11th November 2016
Mechanical/Chemical (Mulch & regrowth Spray)

Chemical

5	Lontrel Advanced	250 mL + Pulse Penetrant 100 mL
6	Lontrel Advanced	150 mL + Stinger 20 g + Pulse Penetrant 100mL
7	Starane Advanced	1.8L + Diesel 100L
8	Access 1L	60L + Diesel 60L
9	Lontrel Advanced	250 mL + Pulse Penetrant 100mL
10	Lontrel Advanced	150 mL + Stinger 20 g + Pulse Penetrant 100 mL
11	Grazon Extra	500 mL + Lontrel Advanced 150 mL + Stinger 20 g + Pulse Penetrant 100 mL
12	Graslan	2 g/m2

Site 2 (Eastern)



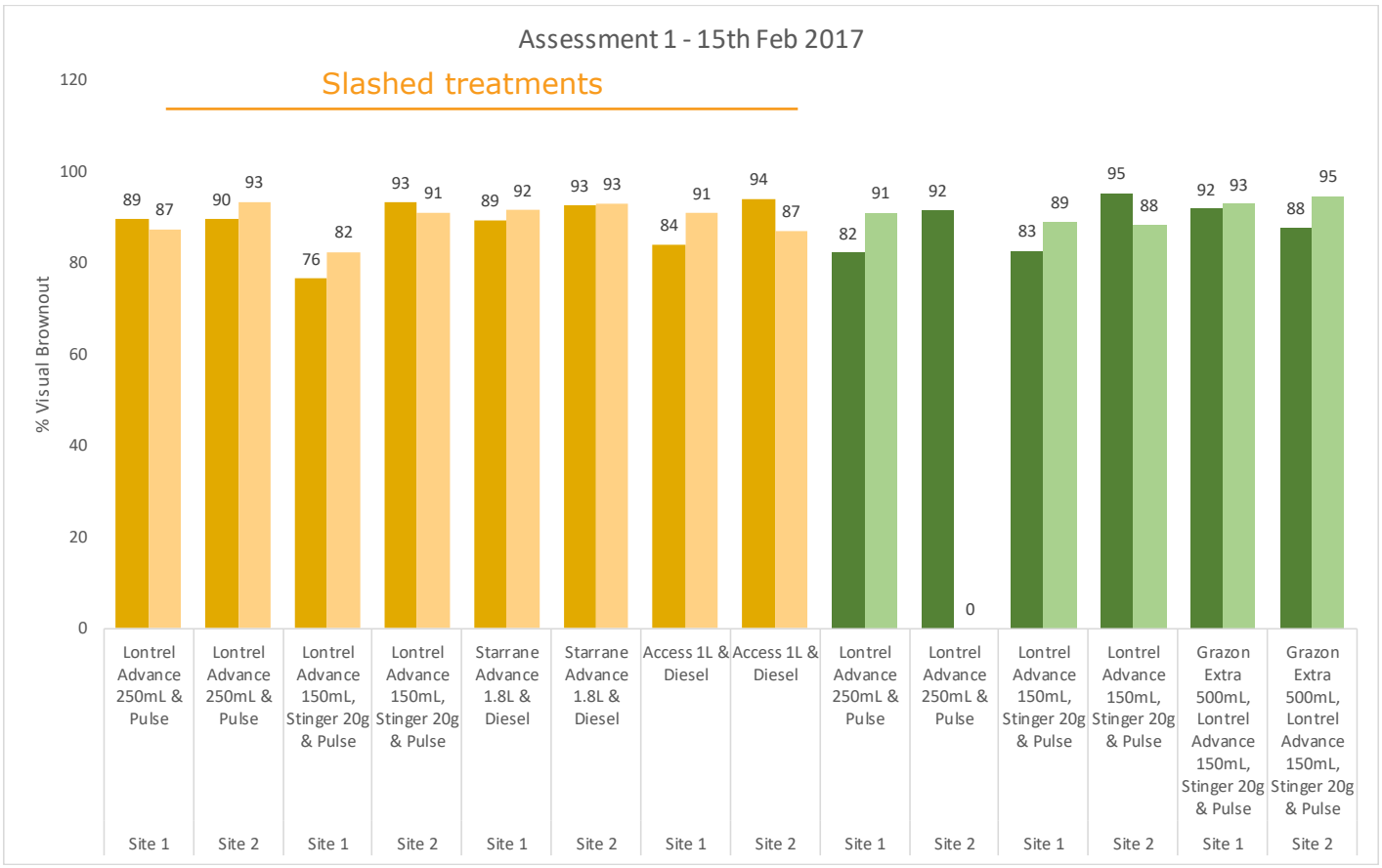
Application:
16th November 2016 to 5th January 2017
Mechanical/Chemical (Mulch & regrowth Spray)

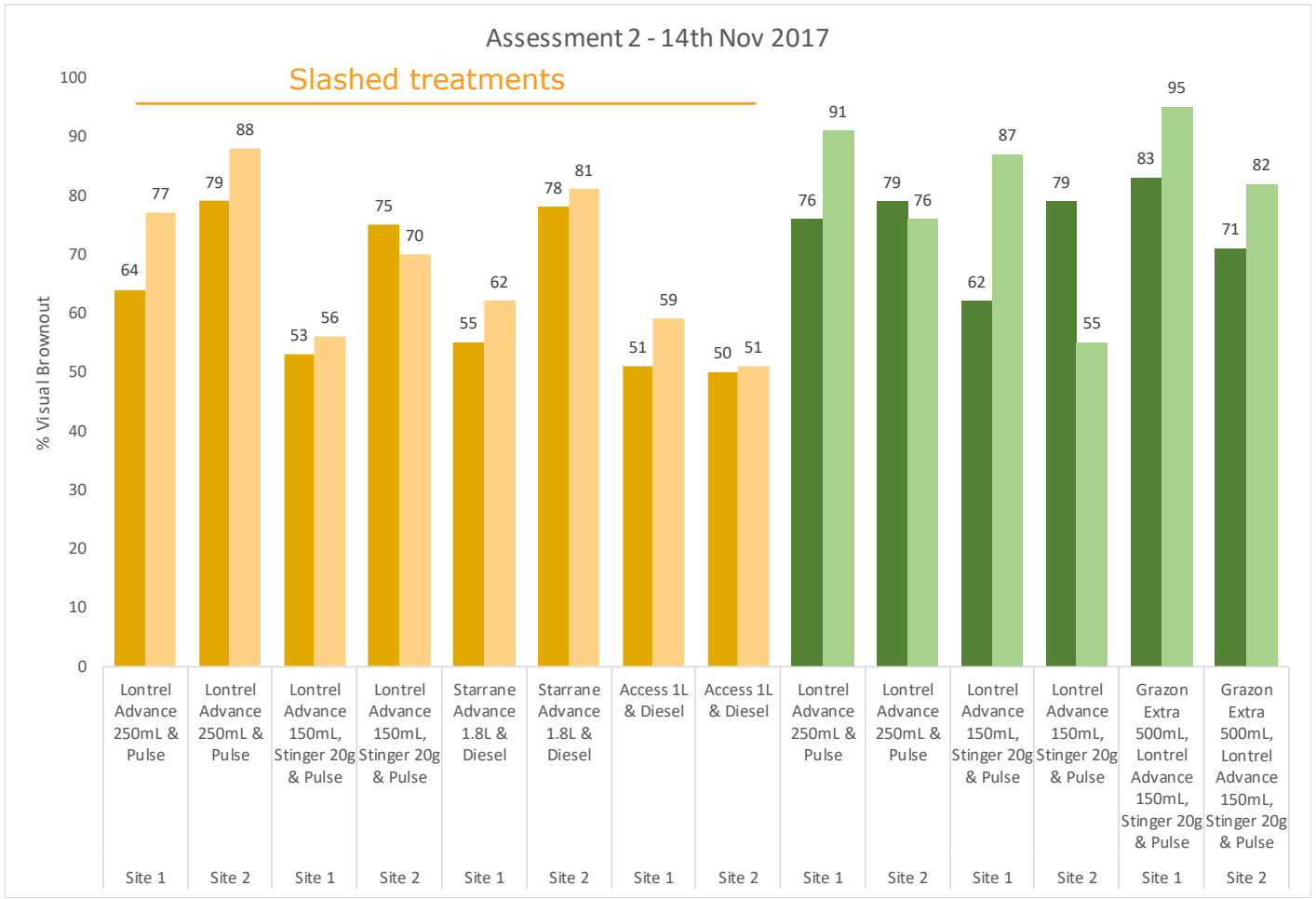
Chemical

5	Lontrel Advanced	250 mL + Pulse Penetrant 100 mL
6	Lontrel Advanced	150 mL + Stinger 20 g + Pulse Penetrant 100mL
7	Starane Advanced	1.8L + Diesel 100L
8	Access 1L	60L + Diesel 60L
9	Lontrel Advanced	250 mL + Pulse Penetrant 100mL
10	Lontrel Advanced	150 mL + Stinger 20 g + Pulse Penetrant 100 mL
11	Grazon Extra	500 mL + Lontrel Advanced 150 mL + Stinger 20 g + Pulse Penetrant 100 mL
12	Graslan	2 g/m2 (no applied as of 17 July 17)
13	Lontrel Advance 250mL + Stinger 20g + Pulse Penetrant	

Native Vegetation Guidelines: Information on the current legislation for the control of Mimosa can be found at: www.landmanagement.nsw.gov.au

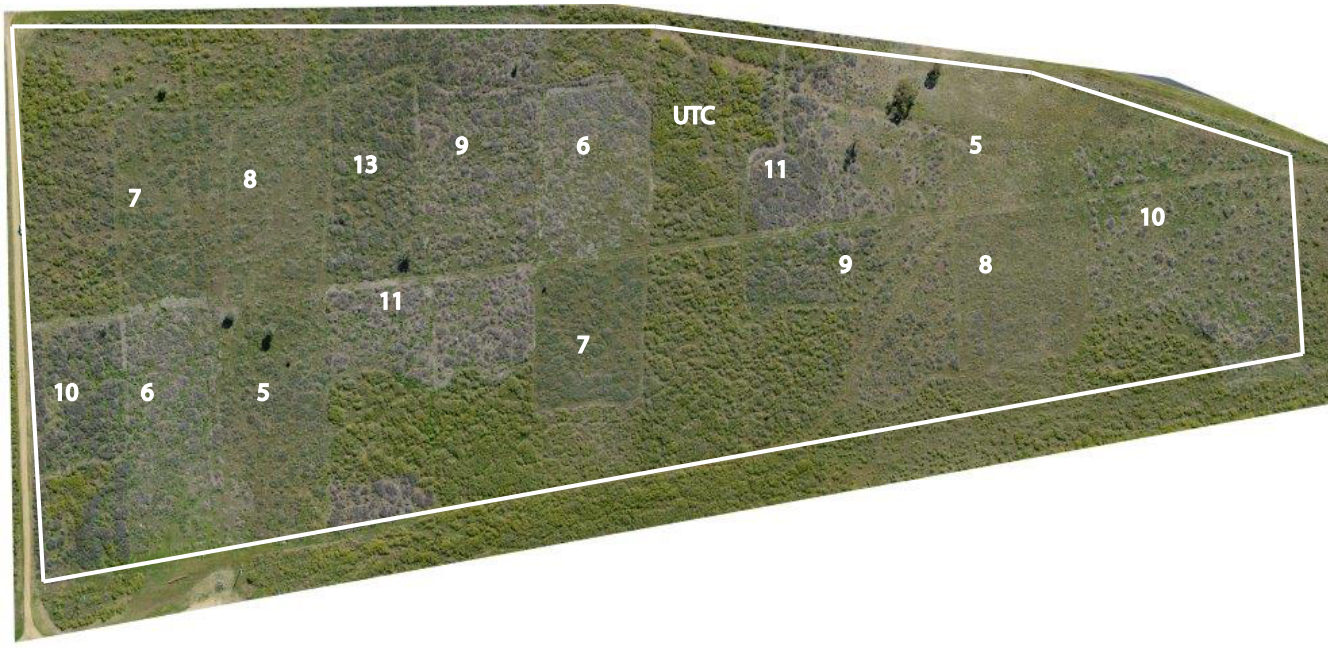
The first and second assessments were visual brown-out ratings on 40 plants in each plot. No plants were given a 100 percent rating. Ratings below 95 percent had some green leaves still present on the plants and some green colour to some of the stems. A rating of 95 percent was for plants where there were no green leaves, but still some green on some of the stems.





Aerial Image Site 1
17th July 2017

Aerial Image Site 2
17th July 2017



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