

WESTERN AREAS LTD



Spotted Quoll Open Pit Nickel Mine Ministerial Statement 808 Annual Compliance Assessment Report 1 July 2018 to the 30 June 2019



PREPARED BY: Western Areas Limited

PREPARED FOR: Office of the Environmental Protection Authority - Compliance Branch

DUE DATE: 17 September 2019

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1. Introduction

The Spotted Quoll Open Pit Nickel Mine is part of the Forrestania Nickel Operation (FNO) which is located approximately 160 kilometres (km) south of Southern Cross and 80 km east of Hyden in the Shire of Kondinin (Figure 1). The Spotted Quoll mine is wholly owned operated by Western Areas Limited (WAL).

The Spotted Quoll Open Pit Nickel Mine was approved under the *Environmental Protection Act 1986* (EP Act) in September 2009 and issued Ministerial Statement No. 808 (MS808) (Appendix 1). A second referral was submitted to the EPA on the 2 August 2010 for the Spotted Quoll Underground Nickel Mine. The EPA decided not to subject the second proposal to a formal environmental impact assessment process and the subsequent setting of formal conditions by the Minister for Environment (Appendix 2); however, did provide public advice on the 8 October 2010 under Section 39A (7) of the EP Act (Appendix 3). In summary, WAL was advised to clearly establish and distinguish any impacts from the underground mine from the open cut pit to ensure that they remain compliant with the existing MS808.

A statement to amend conditions applying to MS808 was issued on the 2 December 2011 as Ministerial Statement 882 (MS882) (Appendix 4) and subsequently condition M8-2 of MS808 was replaced and condition M8-3 of MS808 deleted.

Condition M4-6 of MS808 requires the preparation and submission of an annual Compliance Assessment Report (CAR) for the preceding 12 months. This report has been prepared to meet condition M4-6 and covers the period 17 September 2018 to 16 September 2019. The MS808 audit compliance table is provided in Appendix 5.

This annual CAR has been prepared by WAL for the Spotted Quoll project area and has been prepared in accordance with the Compliance Assessment Plan (CAP) dated March 2010.

1.1. Approvals Record

A record of other approvals sought and gained by WAL for the Spotted Quoll project is presented in Table 1.

Table 1: Approvals Record

Approval Type	Reference Number	Date Approved	Description	Issuing Authority
Works Approval	WA 4499/2008/1 (DEC9635)	24/09/2009	Dewatering infrastructure (water bores, dewatering pipeline and settling ponds).	Department of Environment and Conservation
Mining Proposal	REG ID 22286	07/10/2009	Spotted Quoll Open Pit Nickel Mine and related infrastructure.	Department of Mines and Petroleum
Abstraction Licence	GWL170112	19/11/2009	License to take water for mine dewatering activities.	Department of Water
Prescribed Premises License	L8041/1990/3	04/02/2010	Amendment made to the Flying Fox Prescribed Premises Licence to include the dewatering activities associated with the Spotted Quoll Open Pit Nickel Mine.	Department of Environment and Conservation

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Mining Proposal	REG ID 28561	29/11/2010	Spotted Quoll Underground Nickel Mine and related infrastructure.	Department of Mines and Petroleum
Mining Proposal	REG ID 35890	09/08/2012	Spotted Quoll Underground Nickel Mine related infrastructure upgrade.	Department of Mines and Petroleum
Prescribed Premises License	L8041/1990/5	17/10/2013	All WAL FNO prescribed premises licenses amalgamated to form a contiguous boundary and operate in an integrated entity.	Department of Environment and Regulation
Mining Proposal	REG ID 22286	21/01/2015	Spotted Quoll Underground Nickel Mine return airway shaft.	Department of Mines and Petroleum
Licence Amendment	L8041/1990/1	14/04/2016	Various amendments.	Department of Environment and Regulation
Mine Closure Plan	REG ID 60856	20/12/2016	FNO Mine Closure Plan.	Department of Mines and Petroleum
Amendment Notice	L8041/1990/5	14/12/2017	Groundwater Monitoring Programme	Department of Water and Environment Regulation
Mining Proposal	REG ID 73637	20/06/2018	Vegetation EIA - Spotted Quoll Vent Shaft	Department of Mines, Industry Regulation and Safety
Mining Proposal	REG ID 76230	17/10/2018	Spotted Quoll – Vent Shaft Groundwater Bores	Department of Mines, Industry Regulation and Safety
Works Approval / Licence Amendment	W5665/2014/1 L8041/1990/5	14/09/2019	Spotted Quoll – Septic Drying Lagoons	Department of Water and Environment Regulation
Works Approval / Licence Amendment	L8041-AN2 L8041/1990/5	26/01/2019	Spotted Quoll – Vent Shaft Bores	Department of Water and Environment Regulation

2. Summary of Proposal's Implementation Status

The Spotted Quoll open pit ceased production in February 2012 whilst underground operations commenced in April 2011 and have since continued. A layout diagram of the Spotted Quoll project is included as Figure 2 and is comprised of:

- Open Pit Mine
- Underground Mine
- Waste Dump
- Topsoil Stockpiles

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- | | |
|-----------------------------|-------------------------------------|
| • Paste Plant | • Septic System |
| • Vent Shaft | • Bioremediation Facility |
| • Mine Ore Pad | • Transport and Powerline Corridors |
| • Offices | • Overburden Stockpile |
| • Workshops and Fuel Bay | • Laydown Facility |
| • Dewatering Infrastructure | • Switch Yard |

Activities undertaken for the reporting period included:

- Development of the Spotted Quoll underground mine vent shaft
- Continuation of the Spotted Quoll underground mine
- Rehabilitation works of the Spotted Quoll waste dump.

3. Statement of Compliance

3.1. Proposal and Proponent Details

Proposal Title	Spotted Quoll Open Pit Nickel Mine
Statement Number	Ministerial Statement 808 and 882
Proponent Name	Western Areas Limited
Proponent's Australian Company Number	091 049 357

3.2. Statement of Compliance (SoC) Details

Reporting Period	1 July 2018 to the 30 June 2019
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Implementation phase(s) during reporting period (please tick ✓ relevant phase(s))							
Pre-construction		Construction		Operation	✓	Decommissioning	

Audit Table for the Statement addressed in this SoC is provided in Attachment:	Appendix 5
<p>The audit table has been prepared in accordance with the Office of the Environmental Protection Authority's (OEPA) Post Assessment Guideline for Preparing an Audit Table, as amended from time to time. The 'Status Column' of the audit table has accurately described the compliance status of each implementation condition and/or procedure for the reporting period of this Statement of Compliance. The terms used by WAL in the 'Status Column' of the audit table are limited to the Compliance Status Terms listed and defined as per Table 2.</p>	

Table 2: Compliance Status Terms

Compliance Status Terms	Abbrev	Definition	Notes
Compliant	C	Implementation of the proposal has been carried out in accordance with the requirements of the audit element.	This term applies to audit elements with: <ul style="list-style-type: none"> ongoing requirements that have been met during the reporting period; and requirements with a finite period of application that have been met during the reporting period, but whose status has not yet been classified as 'completed'.
Completed	CLD	A requirement with a finite period of application has been satisfactorily completed.	This term may only be used where: <ul style="list-style-type: none"> audit elements have a finite period of application (e.g. construction activities, development of a document); the action has been satisfactorily completed; and the Office of the Environmental Protection Authority (OEPA) has provided written acceptance of 'completed' status for the audit element.
Not required at this stage	NR	The requirements of the audit element were not triggered during the reporting period.	This should be consistent with the 'Phase' column of the audit table.
Potentially Non-compliant	PNC	Possible or likely failure to meet the requirements of the audit element.	This term may apply where during the reporting period the proponent has identified a potential non-compliance and has not yet finalized its investigations to determine whether non-compliance has occurred.
Non-compliant	NC	Implementation of the proposal has not been carried out in accordance with the requirements of the audit element.	This term applies where the requirements of the audit element are not "complete" have not been met during the reporting period.

Were all implementation conditions and/or procedures of the Statement complied with within the reporting period? (please tick <input type="checkbox"/> the appropriate box)			
No (please proceed to Section 3.3)	<input type="checkbox"/>	Yes (please proceed to Section 3.4)	<input checked="" type="checkbox"/>

3.3. Details of Non-compliance(s) and/or Potential Non-compliance(s)

The information for each non-compliance or potential non-compliance identified during the reporting period covered by this Statement of Compliance is provided in Table 3.

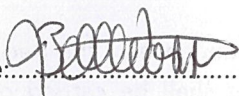
Table 3: Non-compliance/potential non-compliance

Which implementation condition or procedure was non-compliant or potentially non-compliant?		
Was the implementation condition or procedure non-compliant or potentially non-compliant?		
On what date(s) did the non-compliance or potential non-compliance occur (if applicable)?		
Was this non-compliance or potential non-compliance reported to the General Manager, OEPA?		
<input type="checkbox"/> Yes	<input type="checkbox"/> Reported to OEPA verbally. Date: _____ <input type="checkbox"/> Reported to OEPA in writing. Date: _____	<input type="checkbox"/> No
What are the details of the non-compliance or potential non-compliance and where relevant, the extent of and impacts associated with the non-compliance or potential non-compliance?		
What is the precise location where the non-compliance or potential non-compliance occurred (if applicable)? (please provide this information as a map or GIS co-ordinates)		
What was the cause(s) of the non-compliance or potential non-compliance?		
What remedial and/or corrective action(s), if any, were taken or are proposed to be taken in response to the non-compliance or potential non-compliance?		
What measures, if any, were in place to prevent the non-compliance or potential non-compliance before it occurred? What, if any, amendments have been made to those measures to prevent re-occurrence?		
Please provide information/documentation collected and recorded in relation to this implementation condition or procedure: <ul style="list-style-type: none"> • in the reporting period addressed in this Statement of Compliance; and • as outlined in the approved Compliance Assessment Plan for the Statement addressed in this Statement of Compliance. (the above information may be provided as an attachment to this Statement of Compliance)		

* For additional non-compliance or potential non-compliance, please duplicate Table 3 as required.

3.4. Proponent Declaration

I, JOSEPH BELLADONNA, (full name and position title) declare that I am authorised on behalf of WESTERN AREAS LTD. (being the person responsible for the proposal) to submit this Statement of Compliance and that the information contained in this Statement of Compliance is true and not misleading.

Signature:  Date: 17/9/19

Please note that:

- it is an offence under section 112 of the Environmental Protection Act 1986 for a person to give or cause to be given information that to his knowledge is false or misleading in a material particular; and
- the General Manager of the OEPA has powers under section 47(2) of the Environmental Protection Act 1986 to require reports and information about implementation of the proposal to which the statement relates and compliance with the implementation conditions.

4. Environmental Monitoring

Various environmental monitoring programs (Table 4) were carried out during the 2018 to 2019 reporting period. Details of these monitoring activities with results are provided to the relevant government departments (Department of Water and Environment Regulation; Department of Mines, Industry Regulation; and Safety and Department of Biodiversity, Conservation and Attractions) and Not-For-Profit Organizations (National Malleefowl Recovery Team) in separate annual reports.

Table 4: Environmental Monitoring Programs

Aspect	Monitoring Method	Frequency
Ground Disturbance Activities	Disturbance Mapping and Reconciliation	Annually
Groundwater Quality and Levels	Standing Water Levels	Quarterly
	pH, EC and Major Analytes	Quarterly
Surface Water Quality (surface drainage)	pH, EC and TDS	Quarterly

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Aspect	Monitoring Method	Frequency
Dust Emissions	Dust Deposition (5 fractions) and Metals	Quarterly
Fire Fuel Loading	Fuel Load Assessments	Annually
Weed Establishment	Weed Identification and Mapping	Quarterly
Rehabilitation	Rehabilitation monitoring	Biennially
	Visual inspections	Annually
Feral Animals (wild dog, fox and cat)	Visual sightings	As reported
Malleefowl Mounds	National Malleefowl Recovery Database (total of 109 mounds) and Remote Camera.	Annually
Western Quoll (Chuditch)	Remote Camera and Nocturnal Monitoring	Biannual
Stygofauna	Bore purging and netting	Annually
Environmental Management	Internal audit of management system	Annually
Incidents	Internal review	Quarterly

4.1. Declared Rare Flora (*Eucalyptus steedmanii*)

Condition 6-3 of MS808 states that WAL shall monitor the health and abundance of the Declared Rare Flora (DRF) *Eucalyptus steedmanii* populations and that the monitoring shall be carried out to the satisfaction of the CEO of the then Department of Environment and Conservation (now Department of Water and Environmental Regulation). A copy of the DRF Annual Monitoring Report is provided in Appendix 7.

In 2009, WAL engaged Coffey to produce a Management Plan (dated 10 June 2009) for *Eucalyptus steedmanii* to satisfy monitoring requirements as per Condition 6-3 of MS808. Monitoring requirements under this plan are detailed in Table 5.

Table 5: *Eucalyptus steedmanii* Monitoring Requirements June 2009

Aspect	Monitoring Method	Frequency
Declared Rare Flora (<i>Eucalyptus steedmanii</i>)	Delineate DRF populations and ascertain population numbers.	Prior to commencement of construction activities
	Baseline monitoring of plant health, recruitment and reproductive status DRF populations.	
	DRF population census of all seven known <i>Eucalyptus steedmanii</i> populations	Prior to commencement of construction activities and thereafter quadrennial.
	Visual monitoring of populations in close proximity to the haul road and operations.	Weekly
	Transect monitoring of populations for plant health and reproductive status.	Monthly

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In 2014, WAL engaged Astron Environmental Services (AES) to revise the *Eucalyptus steedmanii* management plan. They provided a 'Steedman's Gum Conservation Management Plan for Operational and Closure Stages of the Spotted Quoll Mine' (dated April 2014). This plan was submitted to the Office of the EPA for review on 15th April 2014 which was formally accepted on the 20 May 2014 (Appendix 6). Monitoring requirements under this plan are detailed in Table 6. WSA proposes to review and update this Management Plan and submit for review and approval during 2019.

Table 6: *Eucalyptus steedmanii* Revised Monitoring Requirements April 2014

Activity	Parameters	Populations	Frequency
Census	Plant density Plant condition rating Reproductive status	1 to 8 [^]	Quadrennial
<i>E. steedmanii</i> health monitoring (observation)	Visual observations and photographs	1, 3A/3B and plants identified by Botanica (2009)	Quarterly
<i>E. steedmanii</i> health monitoring (ratings)	Plant condition rating. Presence of seed. Seed development. Recruitment.	1, 2, 3A/3B and 7.	Quarterly
		4 and 5.	Annually
Dust deposition (gauges)	Weight per unit area per unit per area time	At-risk populations and control areas*	Quarterly
Dust deposition (<i>E. steedmanii</i>)	Deposition rating	At-risk populations and control areas*	Quarterly
Fuel Load	Unspecified	Areas surrounding Spotted Quoll operations.	Annual
Miscellaneous potential threats	Unintentional clearing. Spillage of saline water. Fire and its management. Uncontrolled vehicle access.	Areas surrounding Spotted Quoll operations.	Concurrent with above monitoring activities and opportunistic surveillance at other times

*At-risk populations with respect to dust deposition are those adjacent to the haul road and those to the south of the pit; therefore, Population 1, 3a and 3b. Dust gauges and *E. steedmanii* monitoring transects at population 2 and 7 are therefore assumed at present to be controls (that is, sites where no impact of dust from operations is expected).

4.2. Raw Data

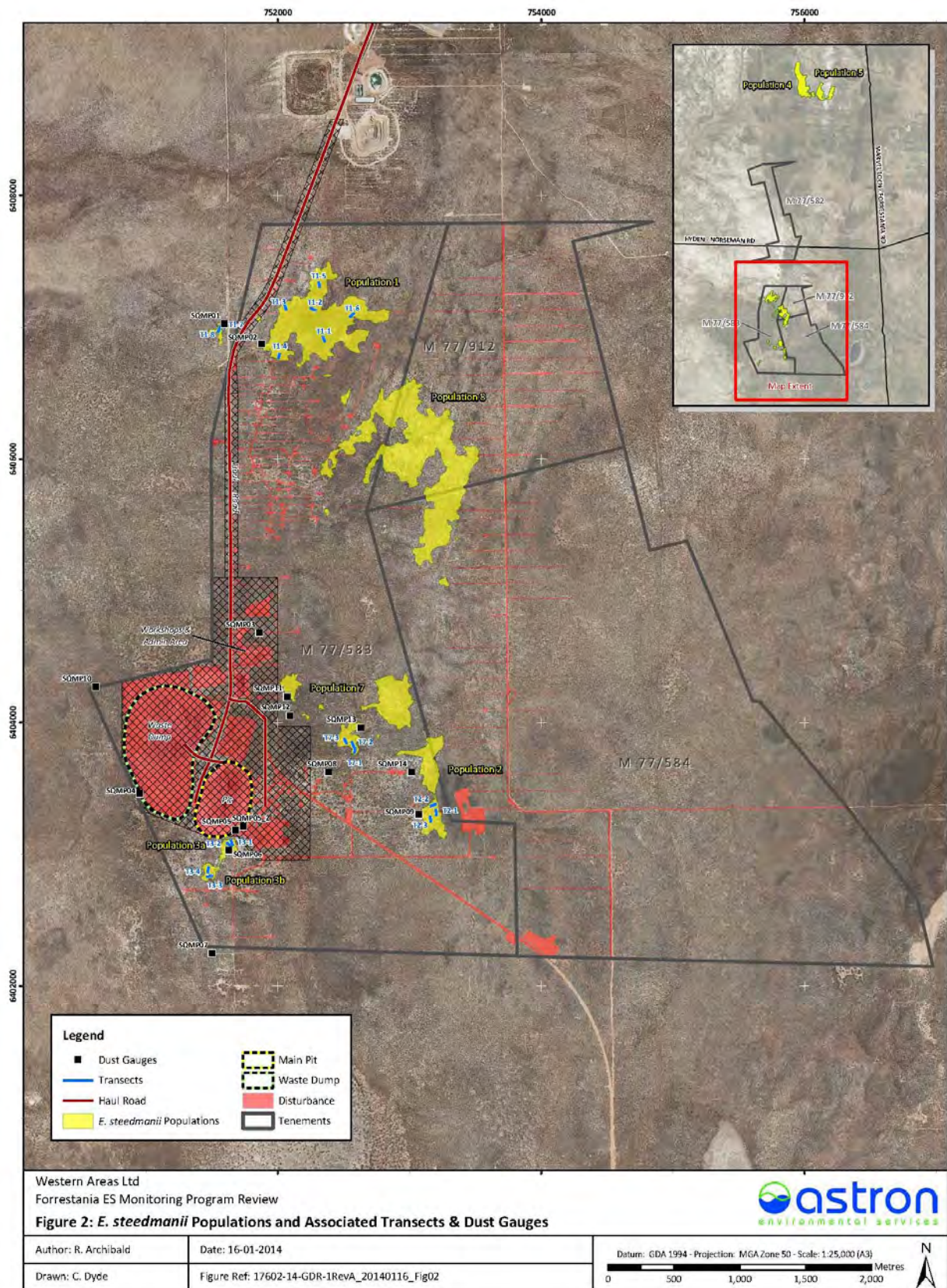
Monitoring data collected as per Table 6 during the reporting period and has been provided in this CAR as Appendix 7 (Annual DRF Monitoring Report) to meet Condition 6-4 of MS808. The most recent DRF census was undertaken during May 2019 by Botanica Consulting.

5. Figures

5.1. Project Location



5.2. Project Area and Site Layout



6. Appendices

6.1. Ministerial Statement 808

STATUS OF THIS DOCUMENT

This document has been produced by the Office of the Appeals Convenor as an electronic version of the original Statement for the proposal listed below as signed by the Minister and held by this Office. Whilst every effort is made to ensure its accuracy, no warranty is given as to the accuracy or completeness of this document.

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Published on 17 September 2009

Statement No. 808

STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED (PURSUANT TO THE PROVISIONS OF THE *ENVIRONMENTAL PROTECTION ACT 1986*)

SPOTTED QUOLL OPEN PIT NICKEL MINE SHIRE OF KONDININ

Proposal: The proposal is to develop and operate an open pit nickel mine and associated infrastructure on Mining Lease 77/00583 and haulage road on Mining Lease 77/00545 within the Shire of Kondinin.

The proposal is further documented in schedule 1 of this statement.

Proponent: Western Areas NL

Proponent Address: Suite 3, Level 1, 11, Ventnor Avenue,
WEST PERTH WA 6005

Assessment Number: 1795

Report of the Environmental Protection Authority: Report 1334

The proposal referred to in the above report of the Environmental Protection Authority may be implemented. The implementation of that proposal is subject to the following conditions and procedures:

1 Proposal Implementation

1-1 The proponent shall implement the proposal as documented and described in schedule 1 of this statement subject to the conditions and procedures of this statement.

2 Proponent Nomination and Contact Details

2-1 The proponent for the time being nominated by the Minister for Environment under sections 38(6) or 38(7) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal.

- 2-2 The proponent shall notify the Chief Executive Officer of the Department of Environment and Conservation of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change.

3 Time Limit of Authorisation

- 3-1 The authorisation to implement the proposal provided for in this statement shall lapse and be void five years after the date of this statement if the proposal to which this statement relates is not substantially commenced.
- 3-2 The proponent shall provide the Chief Executive Officer of the Department of Environment and Conservation with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement.

4 Compliance Reporting

- 4-1 The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the Chief Executive Officer of the Department of Environment and Conservation.
- 4-2 The proponent shall submit to the Chief Executive Officer of the Department of Environment and Conservation, the compliance assessment plan required by condition 4-1 at least 6 months prior to the first compliance report required by condition 4-6. The compliance assessment plan shall indicate:
1. the frequency of compliance reporting;
 2. the approach and timing of compliance assessments;
 3. the retention of compliance assessments;
 4. reporting of potential non-compliances and corrective actions taken;
 5. the table of contents of compliance reports; and
 6. public availability of compliance reports.
- 4-3 The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.
- 4-4 The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall make those reports available when requested by the Chief Executive Officer of the Department of Environment and Conservation.

- 4-5 The proponent shall advise the Chief Executive Officer of the Department of Environment and Conservation of any potential non-compliance within two business days of that non-compliance being known.
- 4-6 The proponent shall submit a compliance assessment report annually from the date of issue of this Implementation Statement addressing the previous twelve month period or other period as agreed by the Chief Executive Officer of the Department of Environment and Conservation. The compliance assessment report shall:
1. be endorsed by the proponent's Managing Director or a person, approved in writing by the Department of Environment and Conservation, delegated to sign on the Managing Director's behalf;
 2. include a statement as to whether the proponent has complied with the conditions;
 3. identify all potential non-compliances and describe corrective and preventative actions taken;
 4. be made publicly available in accordance with the approved compliance assessment plan; and
 5. indicate any proposed changes to the compliance assessment plan required by condition 4-1.

5 Performance Review and Reporting

- 5-1 The proponent shall submit to the Chief Executive Officer of the Department of Environment and Conservation, a Performance Review Report at the conclusion of the first year after the start of implementation and then annually, which addresses:
1. the major environmental risks and impacts; the performance objectives, standards and criteria related to these; the success of risk reduction/impact mitigation measures and results of monitoring related to management of the major risks and impacts;
 2. the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable; and
 3. improvements gained in environmental management which could be applied to this and other similar projects.

6 Flora and Vegetation

- 6-1 The proponent shall not cause the loss of the Declared Rare Flora *Eucalyptus steedmanii* from the implementation of the proposal.
- 6-2 Prior to ground disturbing activities, the proponent shall undertake baseline monitoring of the health and abundance of the Declared Rare Flora *Eucalyptus*

steedmanii populations 2, 3a, 3b, 7 and population 1 (including individuals in close proximity to the haul road and the population fragment to the west of the haul road) identified in Figure 3, schedule 1.

- 6-3 The proponent shall monitor impacts on the health and abundance of the Declared Rare Flora *Eucalyptus steedmanii* populations as identified in condition 6-2, from activities undertaken in implementing the proposal. This monitoring shall be carried out to the satisfaction of the Chief Executive Officer of the Department of Environment and Conservation.
- 6-4 The proponent shall submit annually the results of monitoring required by condition 6-3 to the Chief Executive Officer of the Department of Environment and Conservation.
- 6-5 In the event that monitoring required by condition 6-3 indicates a decline in the health or abundance of Declared Rare Flora *Eucalyptus steedmanii* outside the areas to be cleared:
 - 1. the proponent shall report such findings to the Chief Executive Officer of the Department of Environment and Conservation within 21 days of the decline being identified;
 - 2. provide evidence which allows determination of the cause of the decline;
 - 3. if determined by Chief Executive Officer of the Department of Environment and Conservation to be a result of activities undertaken in implementing the proposal, the proponent shall submit actions to be taken to remediate the decline to the Chief Executive Officer; and
 - 4. the actions to remediate the decline of Declared Rare Flora shall be undertaken upon approval of the Chief Executive Officer of the Department of Environment and Conservation.
- 6-6 The proponent shall make the monitoring reports required by condition 6-5 publicly available in a manner approved by the Chief Executive Officer of the Department of Environment and Conservation.
- 7 Fauna**
- 7-1 The proponent shall implement measures identified in Chapter 6.3 of the *Environmental Protection Statement for the Proposed Spotted Quoll Mine*, prepared by Coffey Environments Pty Ltd, Perth, Western Australia (July 2009) to prevent adverse impacts to Malleefowl along the haul road.
- 8 Mine Closure and Rehabilitation**
- 8-1 Prior to the commencement of ground-disturbing activities, the proponent shall conduct surveys of the proposal area to collect baseline information on the following:
 - 1. pre-mining soil profiles;

2. groundwater levels;
3. surface water flows;
4. vegetation complexes;
5. landscape and landforms; and
6. material characterisation.

- 8-2 The proponent shall submit a Rehabilitation and Mine Closure Plan acceptable to the Chief Executive Officer of the Department of Environment and Conservation and the Director General of the Department of Mines and Petroleum with the advice of other agencies as appropriate within 12 months of the commencement of ground disturbing activities.

The Rehabilitation and Mine Closure Plan shall provide for specific outcomes for:

1. landform design and material characterisation;
2. rehabilitation completion criteria consistent with Environmental Protection Authority Guidance Statement No. 6* to provide a self-sustaining, functional ecosystem comprising, native vegetation of local provenance species;
3. progressive rehabilitation timelines and monitoring against key performance indicators;
4. annual reporting procedures; and
5. procedures to review and revise the Rehabilitation and Mine Closure Plan.

* - *Guidance for the Assessment of Environmental Factors: Rehabilitation of Terrestrial Ecosystems: No 6*, Environmental Protection Authority, 2006

- 8-3 The proponent shall ensure that after mine closure, the final pit void:
1. does not cause significant groundwater contamination outside of the final pit void;
 2. is not accessible by terrestrial native fauna if water remains in the final pit void; and
 3. is not accessible by any native fauna which may subsequently be harmed or fauna which may harm surrounding native vegetation.

Procedures

1. The Minister for Environment will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environment and Conservation over the fulfilment of the requirements of the conditions.

2. The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the Environmental Protection Act 1986.
3. Where a condition lists advisory bodies, it is expected that the proponent will obtain the advice of those listed as part of its compliance reporting to the Department of Environment and Conservation.

Donna Faragher JP MLC
MINISTER FOR ENVIRONMENT, YOUTH

Schedule 1**Spotted Quoll Open Pit Nickel Mine (Assessment No. 1795)**

The proposal is to:

- develop and operate an open pit nickel mine and associated infrastructure on Mining Lease 77/00583 and haulage road on Mining Lease 77/00545 within the Shire of Kondinin; and
- construct mining infrastructure at Spotted Quoll.

The location of the various project components is shown in Figure 1.

The main characteristics of the proposal are summarised in Table 1 below. A detailed description of the proposal is provided in Section 2 of the project referral document, *Environmental Protection Statement for the Proposed Spotted Quoll Mine*, prepared by Coffey Environments Pty Ltd, Perth, Western Australia (June 2009).

Table 1: Summary of key proposal characteristics for Spotted Quoll Open Pit Nickel Mine

Element	Description
General	
Project area	237 hectares
Area of vegetation disturbance	No more than 140 hectares
Total area of rehabilitation	A minimum of 120 hectares
Mining Operation	
Operating life	33 months (including 2-3 months pre-strip) (approximately)
Size of Orebody	Open Cut - 386,000 tonnes at 5.1% nickel (approximately)
Number of mine pits	One
Depth to groundwater	30 to 40 metres from ground level (approximately)
Total Mine Depth	150 metres from ground level (approximately)
Material movements:	
• Total waste	6.83 million tonnes per annum (approximately)
• Ore	200,000 tonnes per annum (approximately)
Dewatering rate	Years 1-2 year: up to 4.7 Gigalitres per year Year 3: 1.5 - 3.2 Gigalitres per year

Figures

- Figure 1. Project location.
 Figure 2. Project area and site layout.
 Figure 3. *Eucalyptus steedmanii* within and adjacent to the Spotted Quoll project area.



Figure 1: Project location

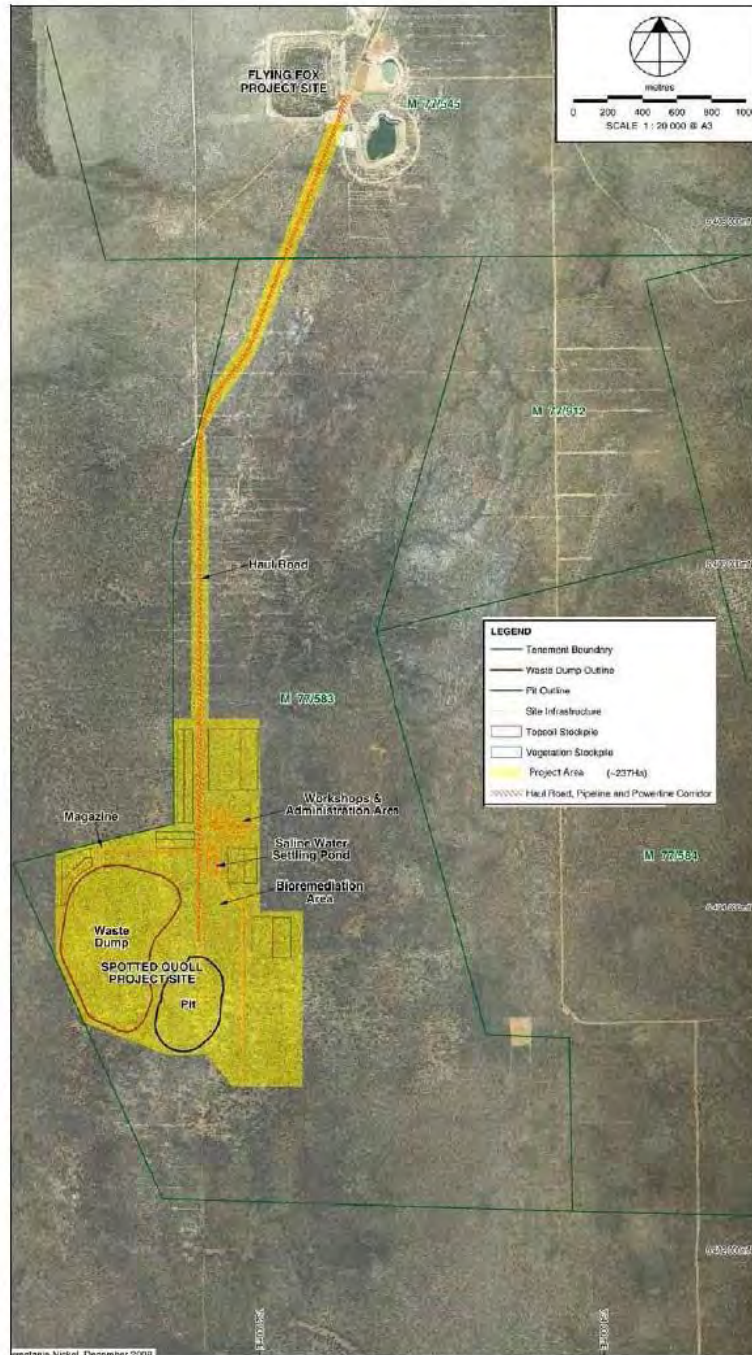


Figure 2: Project area and site layout

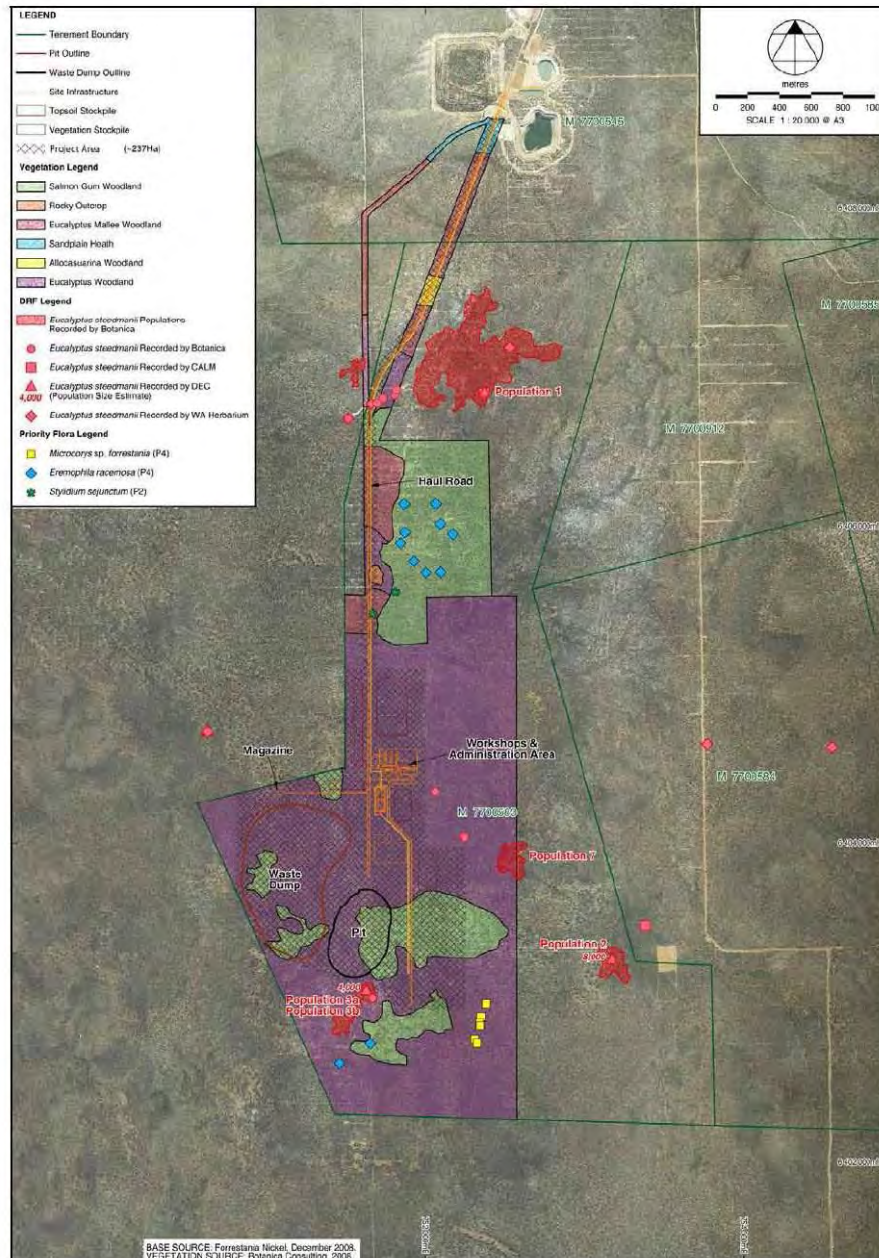


Figure 3: *Eucalyptus steedmanii* within and adjacent to the Spotted Quoll project area.

6.2. Letter of Advice not to Assess (SQ UG Nickel Mine)



Environmental Protection Authority

The Atrium,
Level 8, 168 St Georges Terrace,
Perth, Western Australia 6000.
Telephone: (08) 6467 5000.
Facsimile: (08) 6467 5557.

Postal Address: Locked Bag 33,
Cloisters Square, Perth, Western Australia 6850.
Website: www.epa.wa.gov.au

RECEIVED
31 AUG 2010

BY: _____

Chief Executive Officer
Western Areas NL
Suite 3, 11 Ventnor Avenue
WEST PERTH WA 6005

Our Ref A322609
Enquiries Peter Tapsell

Attn: Phil Knapton

Dear Sir/Madam

NOTICE UNDER SECTION 39A(3)(a)/(b) *Environmental Protection Act 1986*

PROPOSAL: Spotted Quoll underground mine M77/583 & M77/545
LOCATION: Approx 160 km S of Southern Cross & 80 km E of Hyden
PROponent: Western Areas NL
DECISION: Not Assessed - Public Advice Given

Thank you for your letter of 2 August 2010 referring the above matter to the Environmental Protection Authority (EPA) under section 38 of the *Environmental Protection Act 1986* (EP Act) for consideration of its potential environmental impact.

This proposal raises a number of environmental issues. However, the EPA has decided not to subject this proposal to the formal environmental impact assessment process and the subsequent setting of formal conditions by the Minister for Environment. Nevertheless, the EPA will provide advice to you and relevant authorities on the environmental aspects of the proposal. That advice will be forwarded to you and relevant public authorities following completion of the appeals process.

The EPA's decision to not assess the proposal is open to appeal. There is a 14-day period, closing on 13 September 2010, during which, on payment of the \$10 appeal fee, an appellant may ask the Minister to consider directing the EPA to conduct a formal assessment. Information on the outcome of the appeals process is available through the Appeals Convenor's website, www.appealsconvenor.wa.gov.au, or by telephoning 6467 5190 after the closing date of appeals.


The information received regarding your proposal will be made publicly available on request. However, 39(2) of the EP Act provides for a proponent to request that matters of a confidential nature not be kept on the public record. If you believe any part of the proposal information relates to a manufacturing process or trade secret which is commercially confidential and should not be publicly available, please contact the Assessment Officer cited above no later than 3 working days after the date of this letter. Any such request should be confirmed in writing.

Yours faithfully

Colin Murray
Director
Assessment and Compliance Services

30 August 2010

6.3. Public Advice Under EP Act Section 39A(7)



Office of the Environmental Protection Authority

RECEIVED
11 OCT 2010

BY: Anna

Chief Executive Officer
Western Areas NL
Suite 3, 11 Ventnor Avenue
WEST PERTH WA 6005

The Atrium,
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Our Ref: A322609
Enquiries: Peter Tapsell : 6467 5491
Email: peter.tapsell@epa.wa.gov.au

Attn: Phil Knapton

Dear Sir/Madam

PUBLIC ADVICE UNDER SECTION 39A(7)
Environmental Protection Act 1986

PROPOSAL:	Spotted Quoll underground mine M77/583 & M77/545
LOCATION:	Approx 160km S of Southern Cross & 80km E of Hyden
LOCALITY:	Shire of Kondinin
PROponent:	Western Areas NL
LEVEL OF ASSESSMENT:	Not Assessed – Public Advice Given

Further to the Environmental Protection Authority (EPA) letter of 30 August 2010 with regard to the above proposal, the Office of the Environmental Protection Authority (OEPA) advises that no appeals were received against the EPA's determination that your proposal should be treated as *Not Assessed-Public Advice Given*.

Accordingly, the OEPA provides the following advice:

ADVICE AND RECOMMENDATIONS

1. Environmental Issues

- a. Stygofauna
- b. Works Approval
- c. Existing Ministerial Statement

2. Advice and Recommendations regarding Environmental Issues

a. Stygofauna

The EPA notes that the proposal involves the extension of the period of extraction of groundwater to cater for the underground mine (increasing from 33 to approximately 108 months). The EPA also notes that the rate of extraction will not exceed the dewatering rates approved for the open cut mine.

6.4. Ministerial Statement 882

STATUS OF THIS DOCUMENT

This document has been produced by the Office of the Appeals Convenor as an electronic version of the original Statement for the proposal listed below as signed by the Minister and held by this Office. Whilst every effort is made to ensure its accuracy, no warranty is given as to the accuracy or completeness of this document.

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Published on: 2 December 2011

Statement No. 882

STATEMENT TO AMEND CONDITIONS APPLYING TO A PROPOSAL (PURSUANT TO THE PROVISIONS OF SECTION 46 OF THE *ENVIRONMENTAL PROTECTION ACT 1986*)

SPOTTED QUOLL OPEN PIT NICKEL MINE SHIRE OF KONDININ

Proposal: Refer to Ministerial Statement 808.

Proponent: Western Areas NL

Proponent Address: Level 2, 2 Kings Park Road
WEST PERTH WA 6005

Assessment Number: 1795

Report of the Environmental Protection Authority: Report 1417

Previous report of the Environmental Protection Authority: Report 1334

Previous Statement Number: 808 (published on 17 September 2009)

The implementation of the proposal to which the above report of the Environmental Protection Authority relates is subject to the conditions and procedures contained in Ministerial Statement 808, as amended by the following:

1. Condition 8-2 replaced

Condition 8-2 of Ministerial Statement 808 is deleted and replaced with:

"8-2 The proponent shall submit a Rehabilitation and Mine Closure Plan which is to be prepared to the requirements of the CEO of the Office of the Environmental Protection Authority with the advice of other agencies as appropriate within 12 months of the commencement of ground disturbing activities.

The Rehabilitation and Mine Closure Plan shall cover:

1. landform design and material characterisation outcomes;

6.5. Compliance Audit Table

Audit Code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further Information
808: M1.1	Proposal Implementation	The proponent shall implement the proposal as documented and described in schedule 1 of this statement subject to the conditions and procedures of this statement.	Implement the proposal.	This document serves to confirm that the proposal has been implemented subject to the conditions and procedures of Statement 808 hence compliance with Condition 1 is met for the reporting period.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
808: M2.1	Proponent Nomination and Contact Details	The proponent for the time being nominated by the Minister for Environment under sections 38(6) or 38(7) of the Environmental Protection Act 1986 is responsible for the implementation of the proposal.	Western Areas Limited (WSA) are responsible for the implementation of the proposal.	Western Areas NL remains the proponent responsible for the implementation of the proposal hence compliance with Condition 2-1 is met for the reporting period.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
808: M2.2	Proponent Nomination and Contact Details	The proponent shall notify the Chief Executive Officer of the Department of Environment and Conservation of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change.	Any changes to the proponent name and address are to be notified to the CEO.	Western Areas remains the proponent. While no record of official correspondence regarding the address change could be located at the time of the audit; however, all recent correspondence includes current address.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
808: M3.1	Time Limit of Authorisation	The authorisation to implement the proposal provided for in this statement shall lapse and be void five years after the date of this statement if the proposal to which this statement relates is not substantially commenced.	Substantial commencement of project occurred on the 9th of October 2009.	Annual Performance Review Report.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
808:	Time Limit of	The proponent shall provide the Chief Executive	WSA will provide a formal letter	Written Evidence to CEO demonstrating substantial	Overall.	Operating	C	Annual

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M3.2	Authorisation	Officer of the Department of Environment and Conservation with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement.	notifying the CEO of DEC that the proposal has been substantially commenced before the 17th September 2014.	commencement of proposal.		life.		Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
808: M4.1	Compliance Reporting	The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the Chief Executive Officer of the Department of Environment and Conservation.	A Compliance assessment plan is to be prepared and submitted to the CEO.	A compliance Assessment Plan was prepared and submitted during 2010.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
808: M4.2	Compliance Reporting	The proponent shall submit to the Chief Executive Officer of the Department of Environment and Conservation, the compliance assessment plan required by condition 4-1 at least 6 months prior to the first compliance report required by condition 4-6. The compliance assessment plan shall indicate: 1. the frequency of compliance reporting; 2. the approach and timing of compliance assessments; 3. the retention of compliance assessments; 4. reporting of potential non-compliances and corrective actions taken; 5. the table of contents of compliance reports; and 6. public availability of compliance reports.	A Compliance Assessment Plan is to be submitted to the CEO at least 6 months prior to the first compliance report required by condition 4-6.	A compliance Assessment Plan was prepared and submitted during 2010. Compliance achieved through assessment of population data collected in accordance with the monitoring requirements noted in the Eucalyptus steedmanii Management Plan (the Management Plan).	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
808: M4.3	Compliance Reporting	The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.	A Compliance Assessment Report is to be submitted to the CEO.	Annual Compliance Assessment Reports; completed and submitted to the CEO from 2014 onwards.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
808: M4.4	Compliance Reporting	The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall	Records of Compliance Assessment Reports are to be available.	Electronic reports are retained; and are available upon request.	Overall.	Operating life.	C	Annual Compliance Assessment

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		make those reports available when requested by the Chief Executive Officer of the Department of Environment and Conservation.						Report 2018/19. Annual Performance Review Report 2018/19.
808: M4.5	Compliance Reporting	The proponent shall advise the Chief Executive Officer of the Department of Environment and Conservation of any potential non-compliance within two business days of that non-compliance being known.	The CEO will be notified of any potential non-compliances in accordance with DWER requirements.	Letter to CEO advising of non-compliance (as required).	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
808: M4.6	Compliance Reporting	The proponent shall submit a compliance assessment report annually from the date of issue of this Implementation Statement addressing the previous twelve-month period or other period as agreed by the Chief Executive Officer of the Department of Environment and Conservation. The compliance assessment report shall: 1. be endorsed by the proponent's Managing Director or a person, approved in writing by the Department of Environment and Conservation, delegated to sign on the Managing Director's behalf; 2. include a statement as to whether the proponent has complied with the conditions; 3. identify all potential non-compliances and describe corrective and preventative actions taken; 4. be made publicly available in accordance with the approved compliance assessment plan; and 5. indicate any proposed changes to the compliance assessment plan required by condition 4-1.	An Annual Compliance Assessment report is to be submitted to the CEO.	Annual Compliance Assessment Reports; completed and submitted to the CEO from 2011 onwards. Uploaded to WSA corporate website.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
808: M5.1	Compliance Reporting	The proponent shall submit to the Chief Executive Officer of the Department of Environment and Conservation, a Performance Review Report at the conclusion of the first year after the start of implementation and then annually, which addresses: 1. the major environmental risks and impacts; the performance objectives, standards and criteria	A Performance Review Report is to be submitted to the CEO.	Annual Performance Review Report; completed and submitted to the CEO from 2011 onwards.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.

		related to these; the success of risk reduction/impact mitigation measures and results of monitoring related to management of the major risks and impacts; 2. the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable; and 3. improvements gained in environmental management which could be applied to this and other similar projects.						
MS808: M6.1	Flora and Vegetation	The proponent shall not cause the loss of the Declared Rare Flora Eucalyptus steedmanii from the implementation of the proposal.	Prevent the loss of Eucalyptus steedmanii from the implementation of the proposal. Protective management measures to be implemented onsite including clearing controls, dust controls and management of people and vehicular movements. Implementation of monitoring to assess impacts. Implement remedial measures or change operations as required based on outcomes of monitoring.	A Eucalyptus steedmanii Management Plan has been developed and implemented. Annual Compliance Assessment Reports; completed and submitted to the CEO from 2011 onwards.	Overall.	Operating life.	C	Annual Monitoring Report for Declared Rare Flora (DRF) 2018/19. Annual Compliance Assessment Report 2018/19.
MS808: M6.2	Flora and Vegetation	Prior to ground disturbing activities, the proponent shall undertake baseline monitoring of the health and abundance of the Declared Rare Flora Eucalyptus steedmanii populations 2, 3a, 3b, 7 and population 1 (including individuals in close proximity to the haul road and the population fragment to the west of the haul road) identified in Figure 3, schedule 1.	Undertake baseline monitoring of Eucalyptus steedmanii prior to ground disturbing activities.	Monitoring activities including transect/quadrat monitoring were undertaken in September 2009 prior to ground disturbing activities commencing. A Eucalyptus steedmanii Management Plan has been developed and implemented. Annual Compliance Assessment Reports; completed and submitted to the CEO from 2011 onwards.	Overall.	Operating life.	C	Annual Monitoring Report for Declared Rare Flora (DRF) 2018/19. Annual Compliance Assessment Report 2018/19.
MS808: M6.3	Flora and Vegetation	The proponent shall monitor impacts on the health and abundance of the Declared Rare Flora Eucalyptus steedmanii populations as identified in condition 6-2, from activities undertaken in implementing the proposal. This monitoring shall be carried out to the satisfaction of the Chief Executive	Prevent the loss of Eucalyptus steedmanii from the implementation of the proposal. Protective management measures implemented onsite including	A Eucalyptus steedmanii Management Plan has been developed and implemented. Annual Compliance Assessment Reports; completed and submitted to the CEO from 2011 onwards.	Overall.	Operating life.	C	Annual Monitoring Report for Declared Rare Flora (DRF) 2018/19.

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		Officer of the Department of Environment and Conservation.	clearing controls, dust controls and management of people and vehicular movements. Implementation of monitoring to assess impacts. Implement remedial measures or change operations as required based on outcomes of monitoring.					Annual Compliance Assessment Report 2018/19.
MS808: M6.4	Flora and Vegetation	The proponent shall submit annually the results of monitoring required by condition 6-3 to the Chief Executive Officer of the Department of Environment and Conservation.	An annual report on Eucalyptus steedmanii monitoring is to be submitted to the CEO.	A Eucalyptus steedmanii Management Plan has been developed and implemented. Annual Monitoring Report for Declared Rare Flora (DRF). Annual Compliance Assessment Reports; completed and submitted to the CEO from 2011 onwards.	Overall.	Operating life.	C	Annual Monitoring Report for Declared Rare Flora (DRF) 2018/19. Annual Compliance Assessment Report 2018/19.
MS808: M6.5	Flora and Vegetation	In the event that monitoring required by condition 6-3 indicates a decline in the health or abundance of Declared Rare Flora Eucalyptus steedmanii outside the areas to be cleared: 1. the proponent shall report such findings to the Chief Executive Officer of the Department of Environment and Conservation within 21 days of the decline being identified; 2. provide evidence which allows determination of the cause of the decline; 3. if determined by Chief Executive Officer of the Department of Environment and Conservation to be a result of activities undertaken in implementing the proposal, the proponent shall submit actions to be taken to remediate the decline to the Chief Executive Officer; and 4. the actions to remediate the decline of Declared Rare Flora shall be undertaken upon approval of the Chief Executive Officer of the Department of Environment and Conservation.	Report any declines in health of Eucalyptus steedmanii that are noted from monitoring activities.	A letter was provided to the CEO on 26/07/2017 regarding potential decline in vegetation health from Dieback pathogen.	Overall.	Operating life.	C	Annual Monitoring Report for Declared Rare Flora (DRF) 2018/19. Annual Compliance Assessment Report 2018/19.
MS808: M6.6	Flora and Vegetation	The proponent shall make the monitoring reports required by condition 6-5 publicly available in a	Reports are to be made publicly available.	Uploaded to WSA corporate website.	Overall.	Operating life.	C	Annual Compliance

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		manner approved by the Chief Executive Officer of the Department of Environment and Conservation.						Assessment Report 2018/19.
MS808: M7.1	Fauna	The proponent shall implement measures identified in Chapter 6.3 of the <i>Environmental Protection Statement for the Proposed Spotted Quoll Mine</i> , prepared by Coffey Environments Pty Ltd, Perth, Western Australia (July 2009) to prevent adverse impacts to Malleefowl along the haul road.	Implement measures to prevent impacts to Malleefowl along the haul road.	A Malleefowl Management Plan has been developed and implemented. Annual Compliance Assessment Reports; completed and submitted to the CEO from 2011 onwards.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
MS808: M8.1	Mine Closure and Rehabilitation	Prior to the commencement of ground-disturbing activities, the proponent shall conduct surveys of the proposal area to collect baseline information on the following: 1. pre-mining soil profiles; 2. groundwater levels; 3. surface water flows; 4. vegetation complexes; 5. landscape and landforms; and 6. material characterisation.	Undertake surveys prior to ground disturbing activities in order to gather baseline data.	Baseline data meeting the requirements of Condition 8-1 was supplied to PIMS in September 2009 prior to ground disturbance activities commencing. Hence compliance with Condition 8-1 has been met.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
MS808: M8.2	Mine Closure and Rehabilitation	The proponent shall submit a Rehabilitation and Mine Closure Plan acceptable to the Chief Executive Officer of the Department of Environment and Conservation and the Director General of the Department of Mines and Petroleum with the advice of other agencies as appropriate within 12 months of the commencement of ground disturbing activities. The Rehabilitation and Mine Closure Plan shall provide for specific outcomes for: 1. landform design and material characterisation; 2. rehabilitation completion criteria consistent with Environmental Protection Authority Guidance Statement No. 6* to provide a self-sustaining, functional ecosystem comprising, native vegetation of local provenance species; 3. progressive rehabilitation timelines and monitoring against key performance indicators; 4. annual reporting procedures; and 5. procedures to review and revise the Rehabilitation and Mine Closure Plan.	Submit a rehabilitation and mine closure plan to the CEO within 12 months of ground disturbing activities.	A Rehabilitation and Mine Closure Plan (RMCP) was developed for the FNO and approved by the Department of Mines and Petroleum (DMP) in 2013, in accordance with the DMP & EPA (2011) Guidelines for Preparing Mine Closure Plans guidelines. There have been various revisions to this plan; including a resubmission in 2016 and planned submission in 2019.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.

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		* - Guidance for the Assessment of Environmental Factors: Rehabilitation of Terrestrial Ecosystems: No 6, Environmental Protection Authority, 2006						
MS808: M8.3	Mine Closure and Rehabilitation	The proponent shall ensure that after mine closure, the final pit void: 1. does not cause significant groundwater contamination outside of the final pit void; 2. is not accessible by terrestrial native fauna if water remains in the final pit void; and 3. is not accessible by any native fauna which may subsequently be harmed or fauna which may harm surrounding native vegetation.	Mine closure plan to reference pit void risk management.	A Rehabilitation and Mine Closure Plan (RMCP) was developed for the FNO and approved by the Department of Mines and Petroleum (DMP) in 2013, in accordance with the DMP & EPA (2011) Guidelines for Preparing Mine Closure Plans guidelines. There have been various revisions to this plan; including a resubmission in 2016 and planned submission in 2019.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
MS808: N1	Procedures	The Minister for Environment will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environment and Conservation over the fulfilment of the requirements of the conditions.	/	/	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
MS08: N2	Procedures	The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the Environmental Protection Act 1986.	A Works Approval/Licence is required.	Works Approval W4499-1/2008/1. Licence L8041/1990/5.	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.
MS808: N3	Procedures	Where a condition lists advisory bodies, it is expected that the proponent will obtain the advice of those listed as part of its compliance reporting to the Department of Environment and Conservation.	/	/	Overall.	Operating life.	C	Annual Performance Review Report 2018/19. Annual Compliance Assessment Report 2018/19.

DRF Management Plan Acceptance Letter



Government of **Western Australia**
Office of the **Environmental Protection Authority**

Mr Phil Knapton
Environmental Manager
Western Areas Ltd
Level 2
2 Kings Park Road
WEST PERTH WA 6005



Our Ref: AC05-2014-0017
Enquiries: Euan Sutherland, 6145 0959
Email: euan.sutherland@epa.wa.gov.au

Dear Mr Knapton

**SPOTTED QUOLL OPEN PIT NICKEL MINE – STEEDMANS GUM
CONSERVATION MANAGEMENT PLAN – CONDITION 6 OF MINISTERIAL
STATEMENT 808**

Thank you for your letter of 15 April 2014 and the submission of the Steedman's Gum Conservation Management Plan (the Plan) prepared to address Condition 6 of Ministerial Statement 808.

The Office of the Environmental Protection Authority (OEPA) has reviewed the Plan and considers that it satisfies the requirements of Condition 6 of Ministerial Statement 808.

If there are any changes made to the Plan that would substantially affect the management actions or targets, the amended documents would require submittal to OEPA.

Yours sincerely

A handwritten signature in blue ink, appearing to read "Kim Taylor", written over a horizontal line.

Mr Kim Taylor
GENERAL MANAGER

20 May 2014

The Atrium Level 8, 168 St Georges Terrace, Perth, Western Australia 6000.
Postal Address: Locked Bag 10, East Perth, Western Australia 6892.

Telephone: (08) 6145 0800.
Facsimile: (08) 6145 0845.
Website: www.epa.wa.gov.au

6.6. DRF Annual Monitoring Report

WESTERN AREAS LTD



Spotted Quoll Nickel Mine Ministerial Statement 808: Condition 6.4 Monitoring Results



Reporting Period: 01 July 2018 to 30 June 2019

Prepared by: Western Areas Limited

Prepared for: Office of the Environmental Protection Authority - Compliance Branch

Submission date: September 2019

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1. Introduction

In 2009, Western Areas Limited (WAL) engaged Coffey to produce a Management Plan (dated 10 June 2009) for Declared Rare Flora (DRF) species *Eucalyptus steedmanii* (*E. steedmanii*) to satisfy monitoring requirements as per Condition 6-3 of MS808. In 2014, WAL engaged Astron Environmental Services (AES) to revise and update the *E. steedmanii* management plan. AES provided a 'Steedman's Gum Conservation Management Plan for Operational and Closure Stages of the Spotted Quoll Mine' (dated April 2014). This plan was submitted to the Office of the EPA for review on 15th April 2014, which was formally accepted on the 20 May 2014. This report has been compiled to meet Condition 6-3 of Ministerial Statement 808 and report on the health and abundance of *E. steedmanii* as per the updated Management Plan dated April 2014.

2. Ministerial Statement 808: Condition 6

Ministerial statement 6 has been set to protect flora and vegetation (*E. steedmanii*) within the project area. There are six parts to MS808 Condition 6 which are detailed within Table 1. These conditions are audited annually by WAL and information provided within the audit table of the Compliance Assessment Report (CAR).

Table 1: Condition 6 of Ministerial Statement 808

Audit Code	Subject	Requirement
808:M6.1	Flora and Vegetation	The proponent shall not cause the loss of the Declared Rare Flora <i>Eucalyptus steedmanii</i> from the implementation of the proposal.
808:M6.2	Flora and Vegetation	Prior to ground disturbing activities, the proponent shall undertake baseline monitoring of the health and abundance of the Declared Rare Flora <i>Eucalyptus steedmanii</i> populations 2, 3a, 3b, 7 and population 1 (including individuals in close proximity to the haul road and the population fragment to the west of the haul road) identified in Figure 3, schedule 1
808:M6.3	Flora and Vegetation	The proponent shall monitor impacts on the health and abundance of the Declared Rare Flora <i>Eucalyptus steedmanii</i> populations and individuals as identified in condition 6-2, from activities undertaken in implementing the proposal. This monitoring shall be carried out to the satisfaction of the Chief Executive Officer of the Department of Environment and Conservation.
808:M6.4	Flora and Vegetation	The proponent shall submit annually the results of monitoring required by condition 6-3 to the Chief Executive Officer of the Department of Environment and Conservation.
808:M6.5	Flora and Vegetation	In the event that monitoring required by condition 6-3 indicates a decline in the health or abundance of Declared Rare Flora <i>Eucalyptus steedmanii</i> outside the areas to be cleared: <ul style="list-style-type: none"> the proponent shall report such findings to the Chief Executive Officer of the Department of Environment and Conservation within 21 days of the decline being identified; provide evidence which allows determination of the cause of the decline; if determined by Chief Executive Officer of the Department of Environment and Conservation to be a result of activities undertaken in implementing the proposal, the proponent shall submit actions to be taken to remediate the decline to the Chief Executive Officer; and

Audit Code	Subject	Requirement
		<ul style="list-style-type: none"> the actions to remediate the decline of Declared Rare Flora shall be undertaken upon approval of the Chief Executive Officer of the Department of Environment and Conservation.
808:M6.6	Flora and Vegetation	The proponent shall make the monitoring reports required by condition 6-5 publicly available in a manner approved by the Chief Executive Officer of the Department of Environment and Conservation.

3. Monitoring Requirements

Monitoring requirements dictated within the *E. steedmanii* Management Plan dated April 2014 are summarised in Table 2. Figure 1 shows a layout plan of the DRF monitoring associated with MS808.

Table 2: *Eucalyptus steedmanii* Revised Monitoring Requirements April 2014

Activity	Parameters	Populations	Frequency
Census	Plant density Plant condition rating Reproductive status	1 to 8 [^]	Quadrennial
<i>E. steedmanii</i> health monitoring (observation)	Visual observations and photographs	1, 3A/3B and plants identified by Botanica (2009)	Quarterly
<i>E. steedmanii</i> health monitoring (ratings)	Plant condition rating. Presence of seed. Seed development. Recruitment.	1, 2, 3A/3B and 7.	Quarterly
		4 and 5.	Annually
Dust deposition (gauges)	Weight per unit area per unit per area time	At-risk populations and control areas*	Quarterly
Dust deposition (<i>E. steedmanii</i>)	Deposition rating	At-risk populations and control areas*	Quarterly
Fuel Load	Unspecified	Areas surrounding Spotted Quoll operations.	Annual
Miscellaneous potential threats	Unintentional clearing. Spillage of saline water. Fire and its management. Uncontrolled vehicle access.	Areas surrounding Spotted Quoll operations.	Concurrent with above monitoring activities and opportunistic surveillance at other times

*At-risk populations with respect to dust deposition are those adjacent to the haul road and those to the south of the pit; therefore, Population 1, 3a and 3b. Dust gauges and *E. steedmanii* monitoring transects at population 2 and 7 are therefore assumed at present to be controls (that is, sites where no impact of dust from operations is expected).

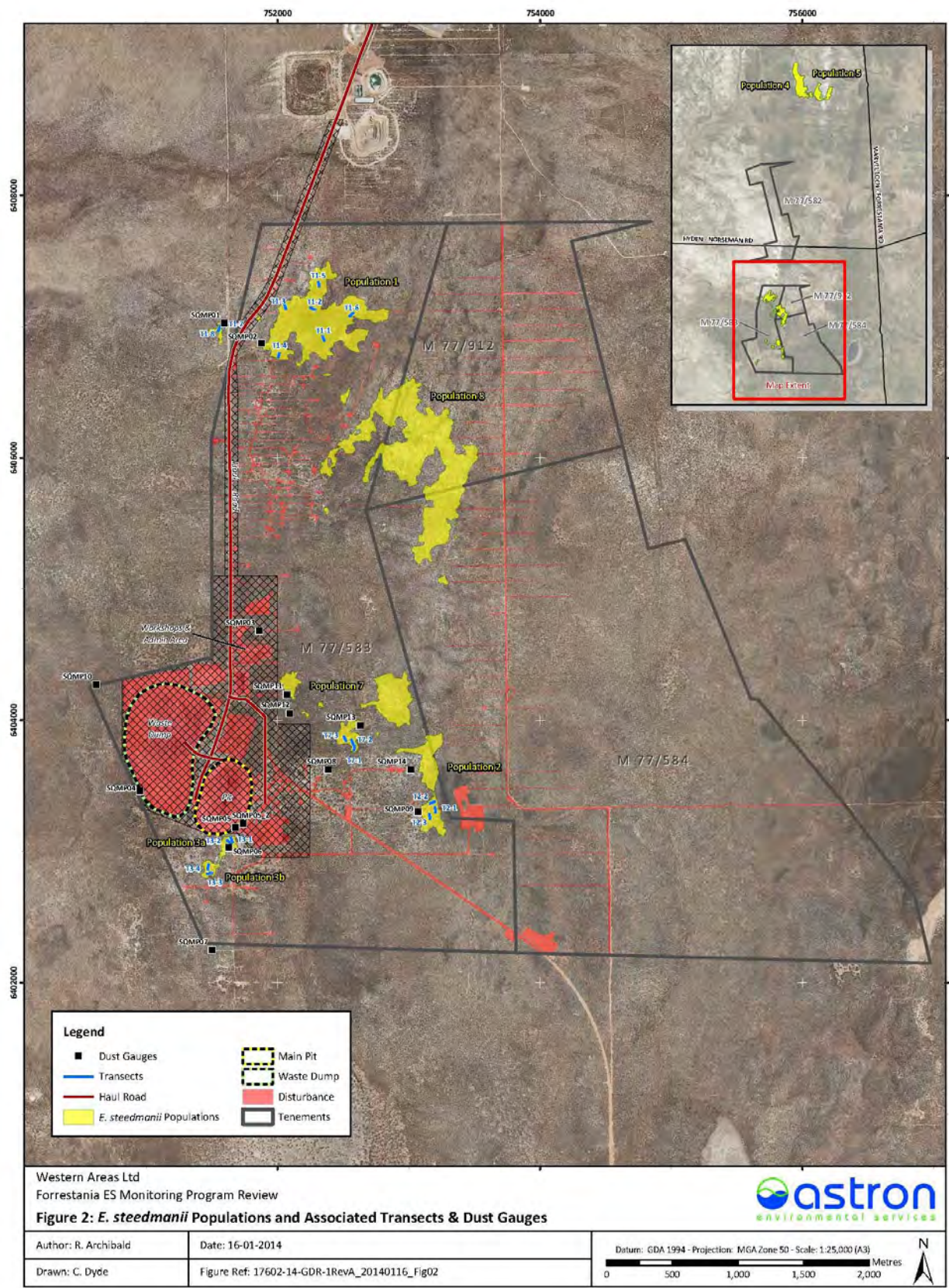


Figure 1: DRF Monitoring Layout Plan

4. Monitoring Results

4.1. Quadrennial Population Census

A quadrennial population census was undertaken by Botanica in January 2014 for all eight *E. steedmanii* populations. The next census was due to be completed in January 2018, however, this was postponed due to the discovery of Dieback occurrence (*Phytophthora boodjera*) within population seven, from monitoring undertaken during the 2017/18 reporting period; subsequently notified to the CEO of DWER on 26/07/17 as per Condition 6.4 of MS808. Further investigations have been undertaken, with the assistance of expert consultants, during the reporting 2018/19 reporting period.

Subsequent actions taken include the development of a Dieback Occurrence Map for the Spotted Quoll area, which was completed in the 2018-2019 reporting period. A Dieback Management Plan and a Dieback Hygiene Procedure for the FNO have also been developed as part of the WSA Environmental Management System (EMS), in order to manage the potential environmental risk and impacts from Dieback. With the completion of these EMS controls, the quadrennial census was undertaken by Botanica in May 2019.

With the exception of the Dieback impact at Population 7, the populations closer to the Spotted Quoll mine operation (Population 1, 2, 3 and 7), have shown no ascertainable difference in individual tree health assessments, percentage cover of *E. steedmanii*, or the overall population estimations in the 2019 monitoring period, when compared to the analogue population's (Populations 4, 5, 6 and 8). The most notable evidence of decline since the baseline monitoring was recorded for the analogue sites with Population 4 and 5 showing an increase in sterile plants and decrease in plant numbers since the baseline monitoring period.

4.2. Health Observations

Visual observations and photographs are taken at populations 1; 3A and 3B on a quarterly basis. Observations are made during population health monitoring of transects and notes made in any instance where population health appears to be declining outside of transects. Photographs are taken of each transect at the start and end.

Since monitoring began in 2009, photo monitoring of DRF transects has continued (Appendix 1) and the following observations have been made:

- Some tree branches have snapped and fallen or trees fallen over from natural causes.
- Some trees have native *Casputa* (dodder) – a parasitic plant throughout their canopies.
- One isolated tree showed signs of disease/ parasitic infestation in July 2015 the fruit were noted to be deformed and the tree was heavily infested with black ants.
- In July 2017, WAL staff noted a decline in tree health in populations 1, 2, 3 and 7 during quarterly monitoring.
- Notification to DWER was provided regrading Dieback occurrence in population 7 (2017/18).

4.3. Health Ratings

Quarterly monitoring of *E. steedmanii* health and reproductive status along transects in populations 1, 2, 3A/3B and 7, and annual monitoring of *E. steedmanii* health in Populations 4 and 5 was conducted during the annual reporting period.

Health for each *E. steedmanii* tree that intersects the transect was assessed using two scoring systems. The first is the same 0 to 3 system as used during the baseline period and the second is the modified version of the Grimes (1978) system based on a 0 to 17 point scale that takes into account canopy density, dead branches and epicormic growth as component scores (Table 3).

Table 3: Health Rating

Component	Health Score	Score Description
Crown Density	1	Very Sparse
	3	Sparse
	5	Average
	7	Dense
	9	Very Dense
Dead Branches	1	Most of Crown (Main & Small)
	2	Part of Crown (Main & Small)
	3	Part of Crown (Small Only)
	4	Part of Crown (Terminal Only)
	5	No Dead Branches
Crown Epicormic Growth	1.5	Severe
	2	Moderate
	2.5	Slight
	3	Nil

Reproductive status for each *E. steedmanii* that intersects the transects was recorded for presence or absence of fruit; and if present the stage of development (mature or immature) was recorded for each plant along with a rating of abundance based on Souter et al. (2009), Table 4.

Table 4: Reproductive Rating

Component	Health Score	Score Description
Fruit	0	Absent
	1	Scarce
	2	Common
	3	Abundant
Mature	0	Absent
	1	Scarce
	2	Common
	3	Abundant
Immature	0	Absent
	1	Scarce
	2	Common
	3	Abundant

Ratings for each tree in transects for each population were averaged to obtain an overall population health (Table 5) and reproduction score (Table 6) for the 2018/19 reporting period. Raw data has been provided in Appendix 2.

Table 5: Grimes Health Rating for *E. steedmanii* Populations

Date	Population 1	Population 2	Population 3	Population 4	Population 5	Population 7
Jul-18	12.8	11.9	12.3	-	-	9.1
Oct-18	12.9	11.9	12.7	3.69	5.96	9
Jan-19	12.9	11.3	13.0	-	-	9
Apr-19	12.8	11.3	12.9	-	-	9

Table 6: Reproductive (Fruit Abundance) Rating for *E. steedmanii* Populations

Date	Population 1	Population 2	Population 3	Population 4	Population 5	Population 7
Jul-18	1.6	1.4	1.9	-	-	1
Oct-18	1.6	1.7	1.9	0.35	0.39	1
Jan-19	1.6	1.8	1.8	-	-	1
Apr-19	1.6	1.8	2.0	-	-	1

4.3.1. Population 1

Since using the grimes rating method, the health of Population 1 has increased by ~1%. The reasons are due to consistent ratings in most health parameters over the 2018/19 reporting period. Mortality of trees along transects was also recorded by WAL and 7 of the 101 trees monitored for Population 1 have died since monitoring began.

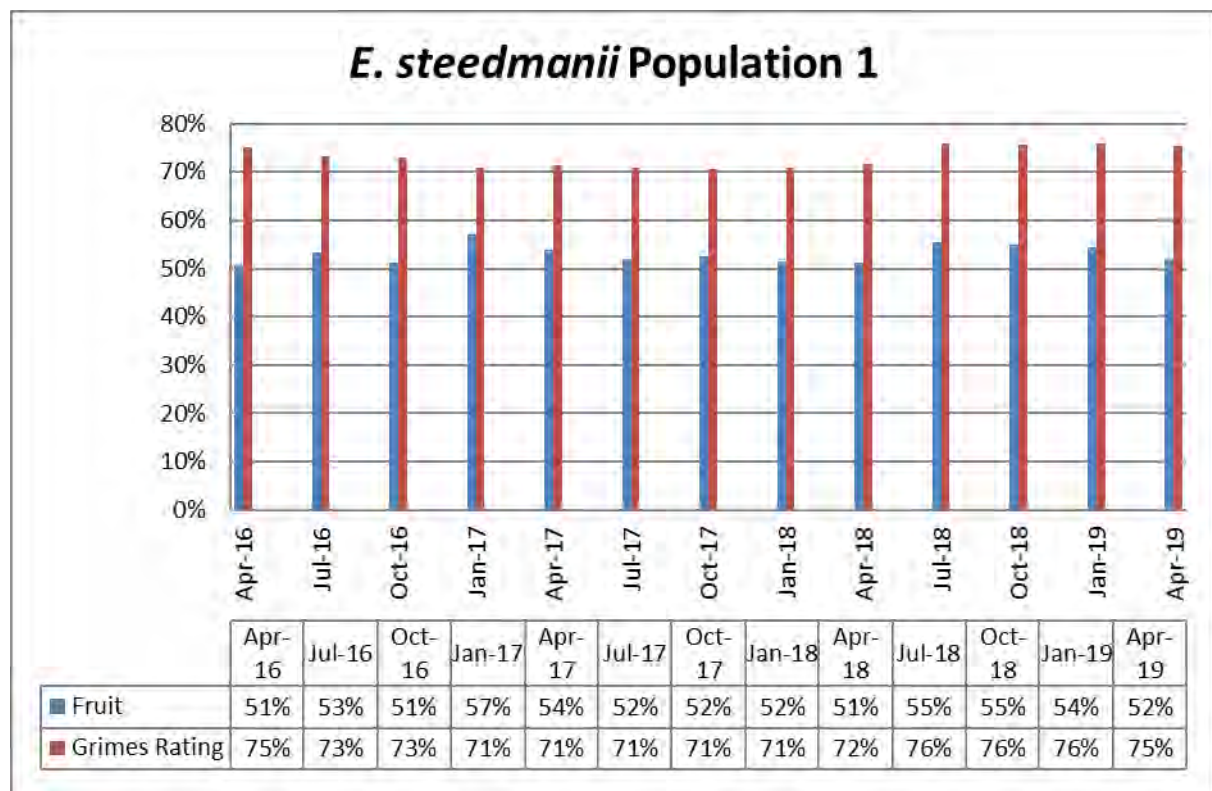


Figure 2: Health and Reproduction Graph (Population 1)

4.3.2. Population 2

Using the grimes rating method, Population 2 has shown a minor decrease of 2% compared to the previous reporting period with similar levels of crown density, dead branches and epicormic growth. However, there was increase of mature (7%) and immature fruit (30%) recorded over the same period. Dodder was present in 4 of the 35 monitored trees (11%) and a total of 4 trees (11%) have been recorded as dead since monitoring began. Population 2 is considered a control population for dust deposition monitoring for the Spotted Quoll project.

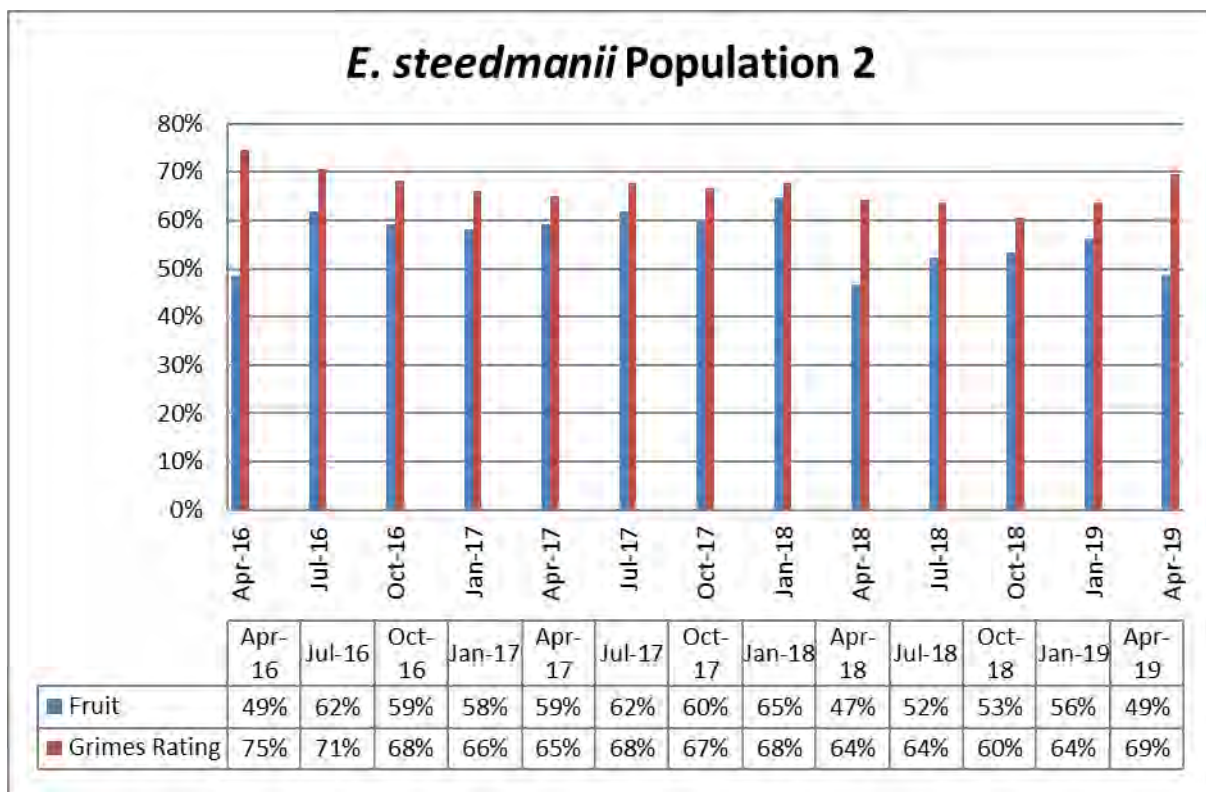


Figure 3: Health and Reproduction Graph (Population 2)

4.3.3. Population 3

Population 3 is situated just south of the Spotted Quoll open pit and is the closest population to mining operations. It is protected by a fence which WSA installed in 2010 to deter personnel entering the Environmentally Sensitive Area. The grime's health rating for Population 3 has remained relatively stable and increased by ~3% during the 2018/19 reporting period. This was due to a greater canopy density (4%) and less epicormic growth observed. Fruit abundance has increased by 2% (increasing from 64% to 66%).

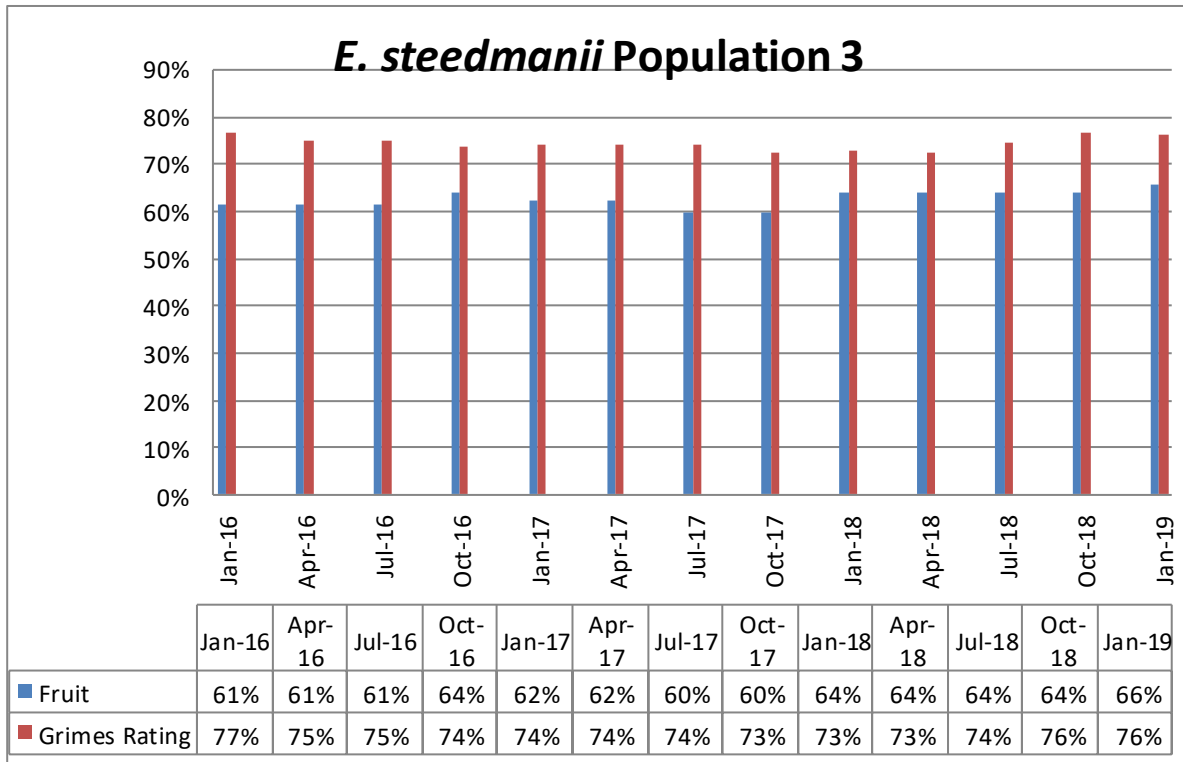


Figure 4: Health and Reproduction Graph (Population 3)

4.3.4. Populations 4 and 5

Populations 4 and 5 are located approximately 16 km to the north-east of the project. Due to their location and distance from the Spotted Quoll mine, these populations are monitored annually.

Grimes rating health for Population 4 has decreased by ~3% since the previous reporting period. Mature fruit has increased slightly to 11% and little immature fruit was observed (1%). Dead trees observed increased by to 19 trees out of 131 along the transects (14%).

Grimes rating health for Population 5 has decreased by ~4%. Fruit abundance has increased within the year, with mature fruit increasing to 10% and immature to 7%. Additionally, dead trees recorded increased to 20 individual dead trees out of 135 along the transects (14%).

One of the challenges whilst monitoring trees within transects for Populations 4 and 5 was tree identification. A significant number of trees; 57% within Population 4 transects and 39% within Population 5 transects; could not be verified due to no tags being present (come loose or disintegrated). Hence the average grimes rating of 22% for Population 4 and 35% for Population 5 were lower than Populations 1, 2, 3 and 7.

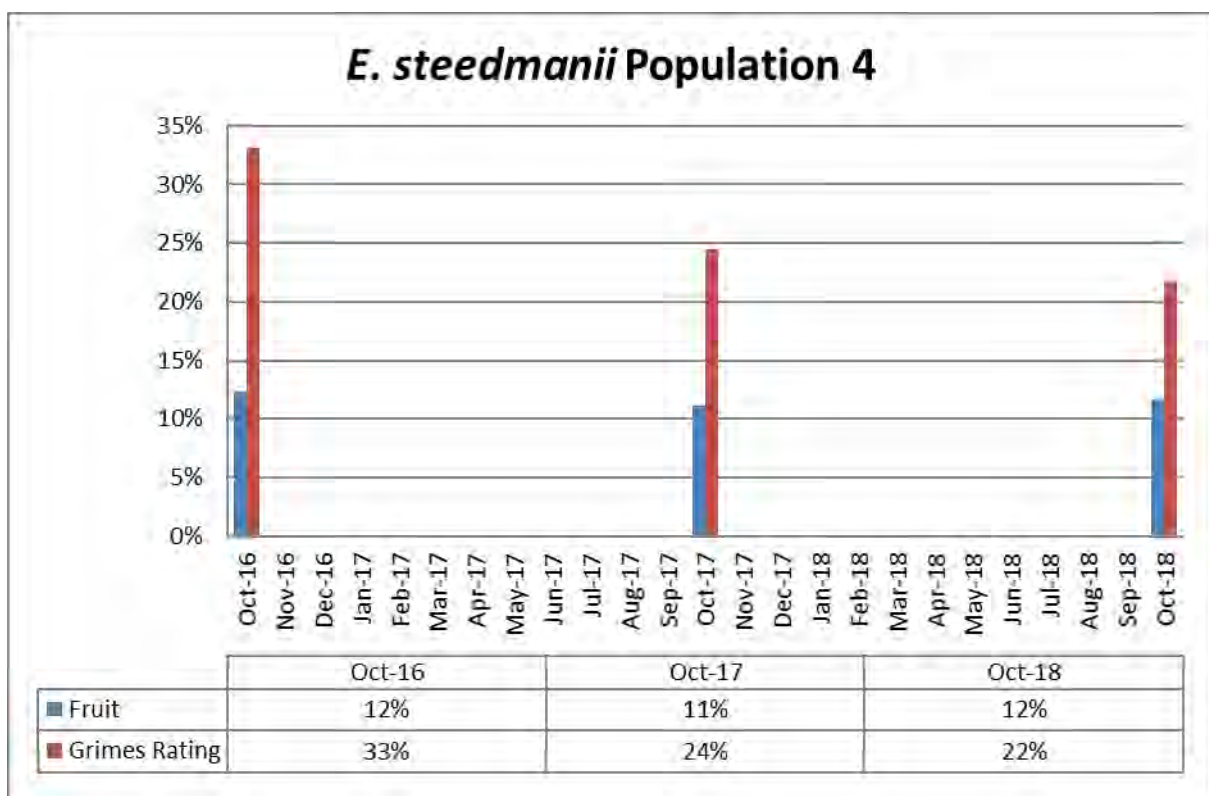


Figure 5: Health and Reproduction Graph (Population 4)

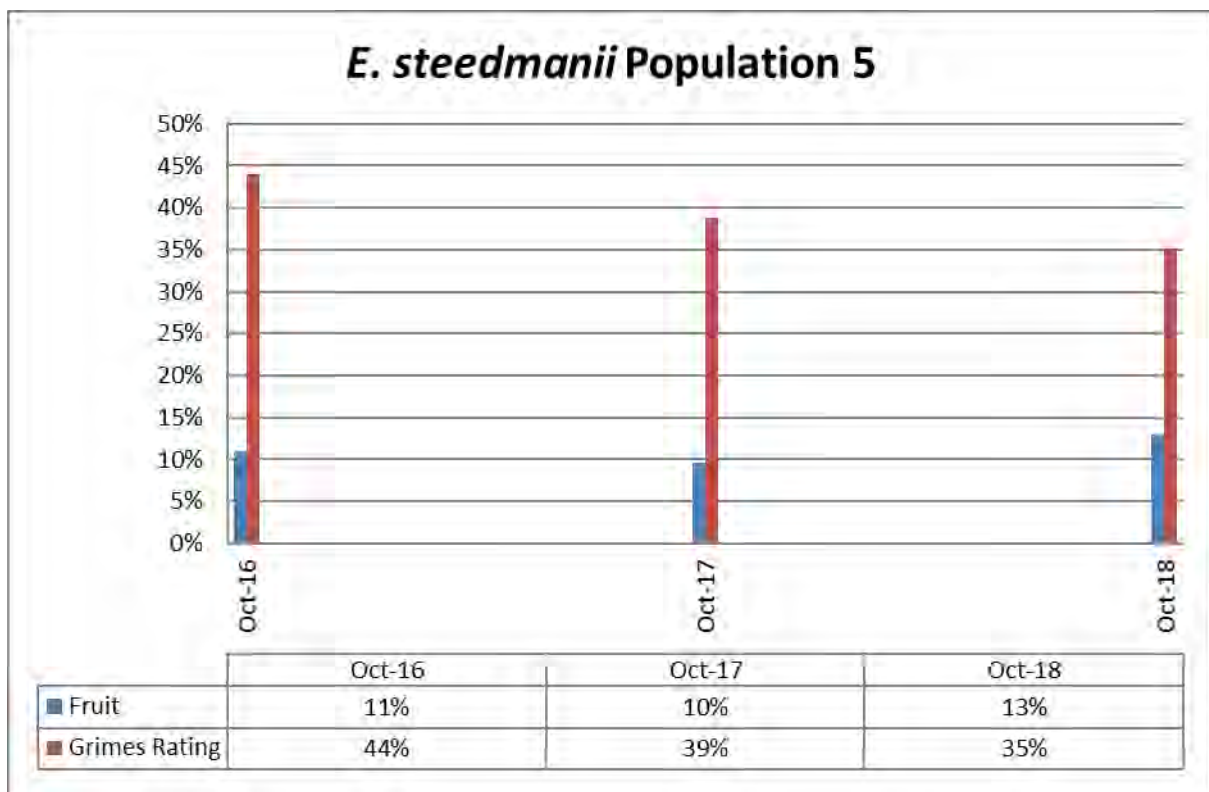


Figure 6: Health and Reproduction Graph (Population 5)

4.3.5. Population 7

Population 7 has decreased in health by ~25% since using the grimes rating method. The 2018/19 reporting period has shown a minor decline of 2%, from the previous reporting period. With the death of one additional tree being recorded from a total of 11 trees (28%). Fruit abundance has declined by 5%, with most fruit observed being rated as mature and few trees with immature fruit. Population 7 is considered a control population for dust deposition monitoring for the Spotted Quoll project.

Dieback (*Phytophthora boodjera*) was identified during the previous reporting period (as previously noted).

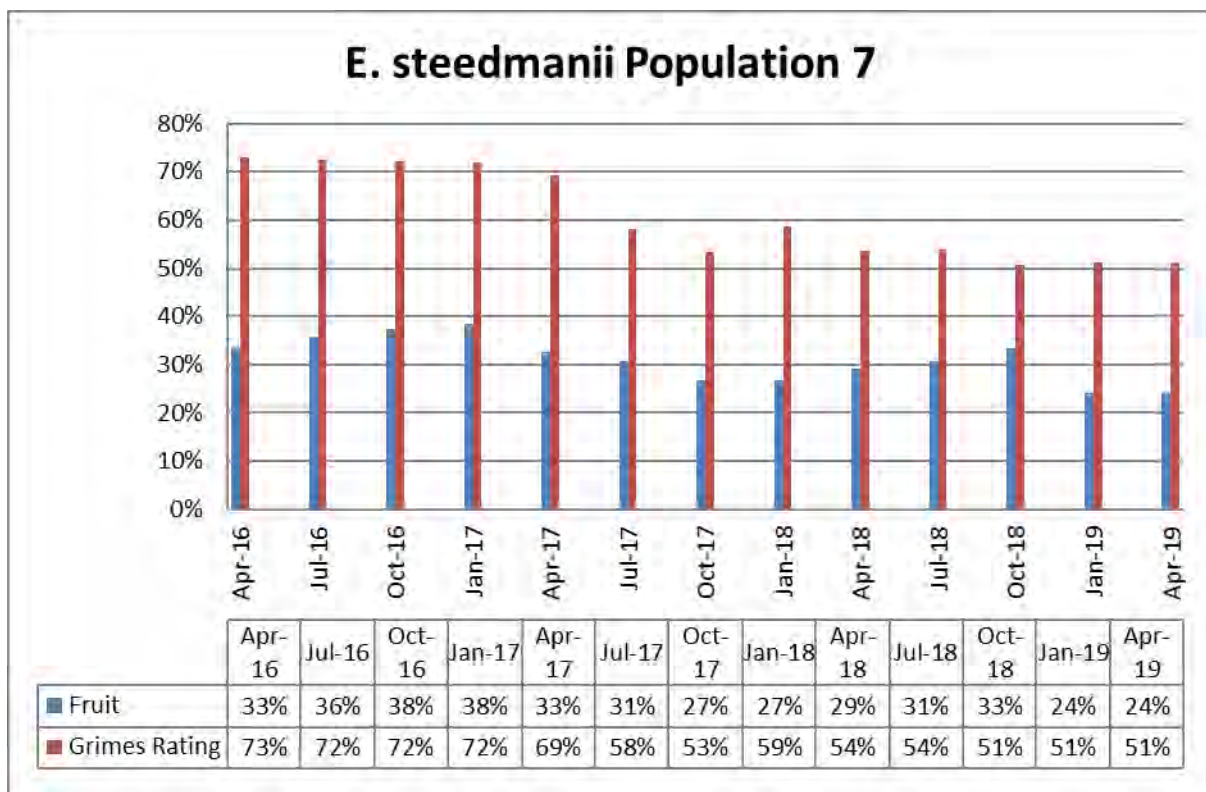


Figure 5: Health and Reproduction Graph (Population 7)

4.4. Dust Deposition Gauges

Dust deposition gauges have been installed within *E. steedmanii* populations 1, 2, 3 and 7 to monitor for dust deposition levels from mining operations that could potentially impact tree health. As per the commitments within the *E. steedmanii* Gum Conservation Management Plan (2014), monitoring was undertaken quarterly and samples analysed for total dust deposition (g/m²/month).

An acceptable limit for dust deposition has been set at three standard deviations of the mean for each monitoring point based on deposition records to date (values below three standard deviations but exceeding two standard deviations provide an alert to management). In the event that these

three standard deviation limits are exceeded, dust suppression measures will be reviewed and more stringent measures implemented as appropriate. In addition, monthly monitoring of dust deposition on plants will occur at the transects in the populations near the dust gauge where any exceedance is recorded, until dust deposition readings return to below three standard deviations from the mean. Dust deposition results have been presented in Table 7.

During the 2018/19 reporting period, standard deviation analysis has been refined to data selected from each seasonal quarter. This has allowed the physical vegetation health monitoring to occur during the middle of each dust deposition monitoring quarter. Analysis of seasonal dust monitoring data has shown exceedances of 2 and 3 standard deviations, however do these have not corresponded with any observed adverse health impacts noted from the transect monitoring. A further review of dust monitoring data from the previous ten years (2009-2019) indicates that dust deposition has not been a significant factor in regards to the health of the *E. steedmanii* populations at the FNO.

Table 7: Number of sampling point exceedances of management triggers (2 & 3 Std deviations) per season.

	Winter	Spring	Summer	Autumn
2 Std Dev	0	0	0	1
3 Std Dev	1	1	0	0

4.5. Dust Deposition DRF

A 1 to 5 rating (Table 8) for the quantity of dust deposition on each *E. steedmanii* intersecting transects was recorded (Table 9) during quarterly monitoring. All trees within transects during the annual period had shown no visible dust on leaves when rubbed or shaken.

Table 8: Dust Deposition Rating Descriptors

Dust Dep Leaf Rating	Dust Dep Descriptor	Definition
1	Negligible	No dust obviously visible on plant Virtually no cloud of dust when plant is shaken No trace of dust when rubbing plant
2	Low	Thin layer of dust apparent on leaves / stems Dust may or may not come off when plant is shaken Only very small amount of dust can be rubbed off Amount of dust too little to be noticeable between fingers
3	Moderate	Plant obviously covered in dust but leaf colour plainly visible Dust falls off in a thin cloud when plant is shaken Dust can be rubbed off plant Grit/powder noticeable between fingers, smear thin when wet
4	High	Plant covered in dust, but leaf colour is faintly visible through dust layer Dust falls off in a cloud when plant is shaken Dust can be rubbed off plant Grit/powder noticeable between fingers, smear opaque when wet
5	Extreme	Dust is caking the plant thickly, leaf/stems take on colour of dust Dust falls off in a thick cloud when plant is shaken Dust can be rubbed off leaves or stems Dust feels powdery/gritty between fingers, smear clayey when wet

Table 9: *E. steedmanii* Dust Deposition Rating

Date	Population 1	Population 2	Population 3	Population 4	Population 5	Population 7
Jul-18	1	1	1	-	-	1
Oct-18	1	1	1	1	1	1
Jan-19	1	1	1	-	-	1
Apr-19	1	1	1	-	-	1

4.6. Fuel Loading

Annual fuel-loading assessments were undertaken in the areas surrounding the Spotted Quoll operations during the 2018/19 reporting period. Results are shown in Table 10 and Figure 6 below. WSA have consulted with DPaW and DFES, where required, to consider appropriate management options.

Fuel Load monitoring results are provided to the WSA Heath, Safety and Training Manager annually for the purpose of fire risk assessment, as per the FNO Bushfire Management Plan (Strategen, 2018).

Table 10: Spotted Quoll Fire Fuel Load Monitoring

Location			SQFL05	SQFL06	SQFL07	SQFL08
Date			13/09/2017	13/09/2017	13/09/2017	13/09/2017
Ground Litter	Fuel Moisture		Dry	Dry	Dry	Dry
	% litter cover in 2m Radius		50	50	30	40
	Mean litter depth in 2m radius (mm)		14	12.4	5.0	11
	Calculate d fuel tonnage t/ha		35	3.1	0.8	2.2
Scrub Fuels	0.0 - 0.5m	Fuel Moisture	B/line	B/line	B/line	B/line
		% Cover	15	10	20	5
	Calculate d fuel tonnage t/ha		0.8	0.5	1.0	0.3
	0.5-1.0m	Fuel Moisture	B/line	B/line	B/line	B/line
		% Cover	5	1	5	1
	Calculate d fuel tonnage t/ha		0.3	0.1	0.3	0.1
	1.0-1.5m	Fuel Moisture	B/line	B/line	B/line	B/line
		% Cover	1	1	1	1
	Calculate d fuel tonnage t/ha		0.1	0.1	0.1	0.1
	1.5-2.0m	Fuel Moisture	B/line	B/line	B/line	B/line
		% Cover	1	1	1	1
	Calculate d fuel tonnage t/ha		0.1	0.1	0.1	0.1
	>2.0m	Fuel Moisture	B/line	B/line	B/line	B/line
		% Cover	1	1	1	1
		Max Height	6.0	4.0	2.2	5.0
	Calculated fuel tonnage t/ha		0.1	0.1	0.1	0.1



Figure 6: Fuel Load Monitoring Point SQFL06

4.7. Miscellaneous Potential Threats

Whilst undertaking routine monitoring; WAL aims to record the location and extent of any unintentional clearing, saline water spillage, fire or fire management activity or uncontrolled vehicle access where *E. steedmanii* that may be present within the Spotted Quoll tenements. Such incidences are also noted during general surveillance by WAL environmental personnel or via reports from other WAL staff. These records enable any impacts on *E. steedmanii* from these incidences to be investigated and assessed over time.

During the reporting period there were no incidences of unintentional clearing, saline water spillage, fire or fire management activity or uncontrolled vehicle access where *E. steedmanii* is present.

5. Conclusion

The monitoring for *E. steedmanii* has continued as per the Management Plan with no evidence suggesting a decline in population health from identified potential threats (e.g. vegetation or unintentional clearing, mining activities, saline water use and spillage, and fire management) during the operation of the Spotted Quoll mine.

As reported previously, WAL environmental staff noted a decline in tree health within Population 7 during the 2017-2018 monitoring season, which was identified as a pathogenic infection of *Phytophthora boodjera*. Subsequent investigations have been undertaken, with the assistance of expert consultants, and this work has been used to produce a Dieback Occurrence Map of the Spotted Quoll area. A Dieback Management Plan and Dieback Hygiene Procedure for the FNO have

also been produced in order to manage any potential threat to *E. steedmanii* populations and other vegetation from Dieback.

An internal review of the *E. steedmanii* Management Plan has been undertaken during the reporting period. The aim of this review was to establish the relevance of current management provisions and monitoring outcomes. This review has determined that current dust monitoring practices do not provide value in determining health risk to *E. steedmanii* populations. The review of dust monitoring data from the previous ten years (2009-2019) indicates that dust deposition has not been a significant factor in regards to the health of the *E. steedmanii* populations at the FNO.

It is therefore proposed that dust monitoring should be withdrawn as an outcomes based management provision within future iterations of the *E. steedmanii* Management Plan. A revised Management Plan will be developed during 2019 and submitted to DWER (EPA Services) for review and approval).

6. Appendices

6.1. Appendix 1 - Photo Monitoring

WESTERN AREAS LIMITED
Annual Compliance Assessment Report
Monitoring Results



WESTERN AREAS LIMITED
Annual Compliance Assessment Report
Monitoring Results



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Monitoring Results

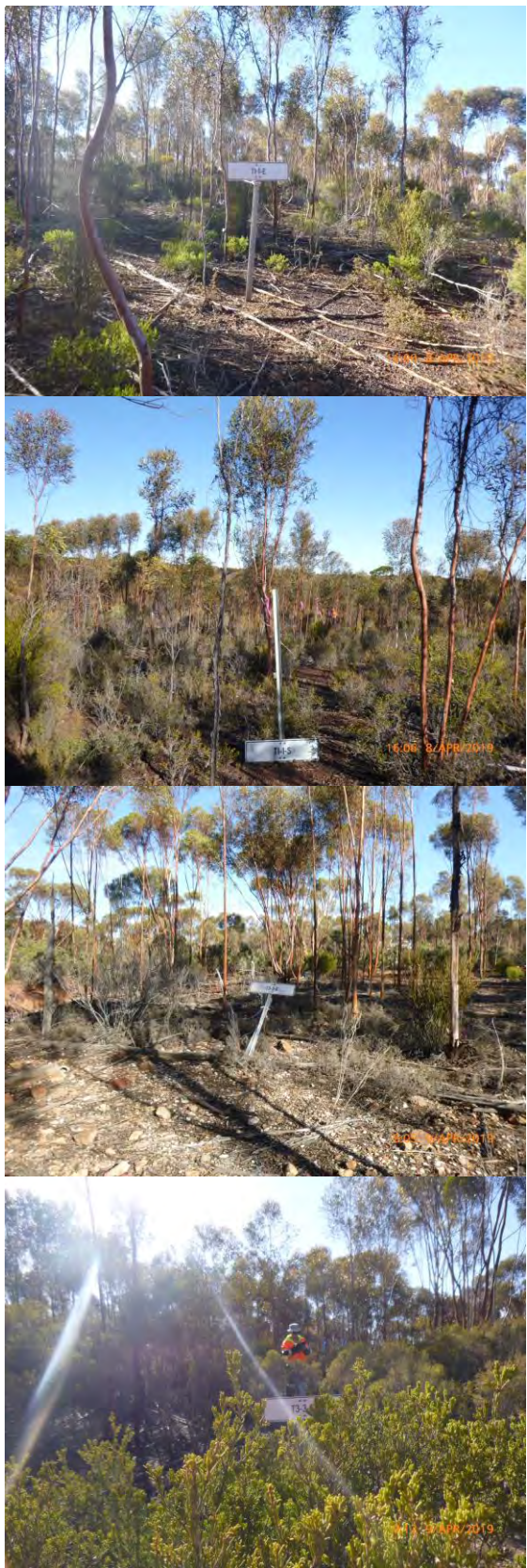


WESTERN AREAS LIMITED
Annual Compliance Assessment Report
Monitoring Results





WESTERN AREAS LIMITED
Annual Compliance Assessment Report
Monitoring Results





Appendix 2 - Raw Data

6.1.1. July 2018 Field Sheets

Transect 2

 = Previous Quarters Result

Date: 21.7.18
Name/s: RM

Population 1
Transect 3

Transect	Tree No.	Dust Rating					Fruit		Mature		Immature		Crown Density					Dead Branches				Crown Epicormic Growth				Comment					
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil			
T1-3	1.4	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	24	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	26.1 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	26.1 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	26.1 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	27.7 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dead just a branch ✓
	27.7 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodders dead branch crown ✓
	32.7 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	32.7 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	34.4 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	34.4 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	35.1	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	38.7	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	47.3 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	47.3 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓
	47.3 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	Dodder ✓

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date: 28.7.18
Name/s: RM

Population 1
Transect 4

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density					Dead Branches				Crown Epicormic Growth	Comment								
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-4	2.3	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	16 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	16 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	No foliage - dead
	16 (3)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	16 (4)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	16 (5)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	16 (6)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	16 (7)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	Dead ✓
	18.6	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	21	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	21.7	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	22.9	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	24.1	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
	34 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	Dodder ✓
	34 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/	
37.3 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/		
37.3 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/		
43.4	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/		
44.8	/	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	/		

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date: 21.7.18
Name/s: RM

Population 1
Transect 5

Transect	Tree No.	Dust Rating				Fruit		Mature		Immature		Crown Density				Dead Branches				Crown Epicormic Growth				Comment
			Negligible																					
			Low																					
			Moderate																					
			High																					
			Extreme																					
			Absent																					
			Scarce																					
			Common																					
			Abundant																					
			Absent																					
			Scarce																					
			Common																					
			Abundant																					
			Absent																					
			Scarce																					
			Common																					
			Abundant																					
			Very Sparse																					
			Average																					
			Dense																					
			Very Dense																					
			Most of Crown (Main & Small)																					
			Part of Crown (Main & Small)																					
			Part of Crown (Small Only)																					
			Part of Crown (Terminal Only)																					
			No Dead Branches																					
			Severe																					
			Moderate																					
			Slight																					
			Nil																					
T1-5	24.2																			1.5	2	2.5		Dodder ✓
	30.1																			1.5	2	2.5		Dodder ✓
	44.1																			1.5	2	2.5		Dodder ✓

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 1
Transect 6

Please tick to show which value best represents each category for each tree
☐ = Previous Quarters Result

Date: 21.7.18
Name/s: RM

Population 1
Transect 7

Transect	Tree No.	Dust Rating				Fruit		Mature		Immature		Crown Density				Dead Branches				Crown Epicormic Growth				Comment					
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-7	13.5	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓		
	15.5	✓	2	3	4	5	0	✓	2	3	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓		
	23.6	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓		
	28.5 (1)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓		
	28.5 (2)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓		
	31.4	✓	2	3	4	5	0	1	✓	2	3	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder ✓
	33.7 (1)	✓	2	3	4	5	0	✓	2	3	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder ✓	
	33.7 (2)	✓	2	3	4	5	0	1	✓	2	3	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder ✓
	36 (1)	✓	2	3	4	5	0	1	✓	2	3	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	36 (2)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder ✓	
	38	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dead ✓	
	46.4 (1)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓		
	46.4 (2)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder ✓	
	46.4 (3)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	46.4 (4)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
46.4 (5)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓		
47.9	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder ✓	
49.4	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	RM	

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Population 1
Transect 8

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date: 28-07-18
Name/s: AH

Population 2
Transect 1

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment																				
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	No Dead Branches	Severe	Moderate	Slight	Nil						
T2-1	4.1 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	4.1 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	re tag/texta July 18
	4.1 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	8.9 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	8.9 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	14.3	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Dodder
	19	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Dodder
	22.6	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	26 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Dodder
	26 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Dodder
	30.5 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	30.5 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	30.5 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Dead
	35.4	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	46.8 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	46.8 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Dead
	46.8 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	50	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date: 28-07-18
Name/s: AH

Population 2
Transect 2

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment																						
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil			
T2-2	15.6 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	4	5	0	7	8	1	2	3	4	5	1.5	2	2.5	✓			
	15.6 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	4	5	0	7	8	1	2	3	4	5	1.5	2	2.5	✓			
	20.8 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	4	5	0	7	8	1	2	3	4	5	1	2	2.5	3	Leaning, epicormic foliage		
	20.8 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	4	5	0	7	8	1	2	3	4	5	1	2	2.5	3	Dead		
	26.7	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	4	5	0	7	8	1	2	3	4	5	1.5	2	2.5	✓			
	30.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	4	5	0	7	8	1	2	3	4	5	1.5	2	2.5	✓			
	36	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	4	5	0	7	8	1	2	3	4	5	1.5	2	2.5	✓			
	37.8 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	4	5	0	7	8	1	2	3	4	5	1.5	2	2.5	✓			
	37.8 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	4	5	0	7	8	1	2	3	4	5	1.5	2	2.5	✓	Dead		
	50	✓	2	3	4	5	0	1	✓	2	3	0	1	✓	2	3	0	1	✓	2	3	4	5	0	7	8	1	2	3	4	5	1.5	2	2.5	✓

Please tick to show which value best represents each category for each tree

Population 2
Transect 3

Please tick to show which value best represents each category for each tree

Date: 28-07-18
Name/s: AH

Population 3
Transect 1

Transect	Tree No.	Dust Rating					Fruit					Mature					Immature					Crown Density					Dead Branches					Crown Epicormic Growth					Comment
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Soarse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil					
T3-1	1.9	✓	2	3	4	5	0	✓	2	3	0	✓	1	2	3	0	✓	2	3	1	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	3.8	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	1	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓						
	5.3 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓						
	5.3 (2)	✓	2	3	4	5	0	1	✓	2	3	0	✓	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	9.2	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	17	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	18.5	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	19.2	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	42.7	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	47.7 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓						
	47.7 (2)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	50 (1)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	50 (2)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	50 (3)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	1	✓	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓					
	50 (4)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓						
	50 (5)	✓	2	3	4	5	0	1	✓	3	0	✓	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓						

Please tick to show which value best represents each category for each tree
☒ = Previous Quarters Result

Population 3
Transect 2

Please tick to show which value best represents each category for each tree

Monitoring Results

Transect 3

 = Previous Quarters Result

Population 3
Transect 4

[illegible]

 = Previous Quarters Result

Date: 28-07-18
Name/s: PH

Population 7
Transect 1

Transect	Tree No.	Dust Rating					Fruit			Mature			Immature			Crown Density					Dead Branches				Crown Epicormic Growth			Comment					
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T7-1	4.8 (1)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	4.8 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	Dead
	7.8	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	Dead
	11.5 (1)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	11.5 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	Foliage severely eaten
	14.3 (1)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3 (3)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3 (4)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	17.8	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	20.7 (1)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	20.7 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	22.3	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	27.9	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	Dead
	28.7	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	Dead
	33.5	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	Dead
	44.3	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
												</																					

Please tick to show which value best represents each category for each tree
☒ = Previous Quarters Result

Date: 28-07-18
Name/s: AH

Population 7
Transect 2

Transect	Tree No.	Dust Rating					Fruit		Mature		Immature		Crown Density			Dead Branches			Crown Epicormic Growth			Comment								
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	No Dead Branches	Severe	Moderate	Slight	Nil			
T7-2	3.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Foliage being eaten	
	5.1 (1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Foliage being eaten	
	5.1 (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	7.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	17.4 (1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	pale leaves & bark falling	
	17.4 (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	33.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	39.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
43.7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fungus growing/cankers	
																													very sick	

Please tick to show which value best represents each category for each tree
☐ = Previous Quarters Result

Date: 28-07-18
Name/s: AH

Population 7
Transect 3

Transect	Tree No.	Dust Rating			Fruit			Mature			Immature			Crown Density			Dead Branches			Crown Epicormic Growth			Comment							
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil		
T7-3	3.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	5.5 (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	5.5 (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	20.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dead
	44.7 (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	44.7 (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	44.7 (3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dead
	44.7 (4)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dead
	44.7 (5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dead
	44.7 (6)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	44.7 (7)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dead
	44.7 (8)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	44.7 (9)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	47.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dying at APR 18 leaves yellow

Please tick to show which value best represents each category for each tree
☐ = Previous Quarters Result

6.1.2. October 2018 Field Sheets

Date: 9-10-18
 Name/s: AH

Population 1
 Transect 1

Transect	Tree No.	Dust Rating					Fruit					Mature					Immature					Crown Density					Dead Branches					Crown Epicormic Growth					Comment
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil					
T1-1	3	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	9.6 (1)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	9.6 (2)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	9.6 (3)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	10.5	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	14.8	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	19.7	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	21.5	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	24.8 (1)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	24.8 (2)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	24.8 (3)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dead		
	24.8 (4)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	24.8 (5)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	26.3 (1)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	26.3 (2)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	27.6	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	33.1 (1)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	33.1 (2)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	33.1 (3)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	33.1 (4)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	36.4	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	40.4 (1)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	40.4 (2)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	40.4 (3)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	40.4 (4)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓			
	40.4 (5)	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	46	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		
	48.7	✓	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	✓	1.5	2	2.5	✓	Dodder		

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 1
Transect 2

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date: 9-10-18
Name/s: AH

Population 1
Transect 3

Transect	Tree No.	Dust Rating					Fruit					Mature					Immature					Crown Density					Dead Branches					Crown Epicormic Growth					Comment
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil					
T1-3	1.4	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/	Dodder					
	24	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/	Dodder					
	26.1 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/	Dodder					
	26.1 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/	Dodder					
	26.1 (3)	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	Dead					
	27.7 (1)	/	2	3	4	5	/	1	2	3	/	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/	Dodder					
	27.7 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/	Dodder					
	32.7 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/	leaves browning/dying					
	32.7 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/						
	34.4 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/						
	34.4 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/						
	35.1	/	2	3	4	5	/	1	2	3	/	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/						
	38.7	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/						
	47.3 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/						
	47.3 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/						
	47.3 (3)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	/	1.5	2	2.5	/						
																															</						

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date: 9-10-18
Name/s: _____


Population 1
Transect 4

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density					Dead Branches				Crown Epicormic Growth	Comment									
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	No Dead Branches	Severe	Moderate	Slight	Nil		
T1-4	2.3	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	16 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	16 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3	Dead				
	16 (3)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	16 (4)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	16 (5)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	16 (6)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	16 (7)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					Dead
	18.6	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	21	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	21.7	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	22.9	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	24.1	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	34 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					Dodder
	34 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	37.3 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	37.3 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	43.4	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					
	44.8	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	/					

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Population 1
Transect 5

 = Previous Quarters Result

Population 1
Transect 6

[illegible]

☐ = Previous Quarters Result

Date: 9-10-18
Name/s: AH

Population 1
Transect 7

Transect	Tree No.	Dust Rating					Fruit					Mature					Immature					Crown Density					Dead Branches					Crown Epicormic Growth					Comment
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil					
T1-7	13.5	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	15.5	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	23.6	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	28.5 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	28.5 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	31.4	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/	Dodder					
	33.7 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/	Dodder					
	33.7 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/	Dodder					
	36 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	36 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/	Dodder					
	38	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	Dead				
	46.4 (1)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	46.4 (2)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/	Dodder					
	46.4 (3)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	46.4 (4)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	46.4 (5)	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	47.9	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
	49.4	/	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	7	9	1	2	3	4	1	1.5	2	2.5	/						
													</																								

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date: 27.10.18
Name/s: Rm

OCT 18

Population 2
Transect 1

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment																
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	No Dead Branches	Severe	Moderate	Slight	Nil		
T2-1	4.1 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	
	4.1 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	re tag/texta July 18 → Next
	4.1 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	
	8.9 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	
	8.9 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	
	14.3	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	Dodder ✓
	19	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	Dodder ✓
	22.6	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	
	26 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	Dodder ✓
	26 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	Dodder ✓
	30.5 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	
	30.5 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	
	30.5 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	Dead ✓
	35.4	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	
	46.8 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	
46.8 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	Dead	
46.8 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓		
50	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓		

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Population 2
Transect 2

□ = Previous Quarters Result

Monitoring Results

Population 3
Transect 1

Please tick to show which value best represents each category for each tree

Date: 9-10-18
Name/s: AH

Population 3
Transect 2

Transect	Tree No.	Dust Rating					Fruit		Mature		Immature		Crown Density				Dead Branches				Crown Epicormic Growth			Comment											
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil			
T3-2	2.4 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	
	2.4 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	
	5	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	Dead
	7.2	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	
	36.9	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	
	40.2	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	
	42.9	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	

Please tick to show which value best represents each category for each tree
☐ = Previous Quarters Result

Monitoring Results

Population 3
Transect 3

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date: 28.10.18
 Name/s: FM + CH

OCT 18

Population 4
 Transect 2

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment																		
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T4-2	15.6																														unable to ID/ not tagged
	16.2 (1)	X	2	3	4	5	0				X	2	3	4	5	0															
	16.2 (2)	X	2	3	4	5	0				X	2	3	4	5	0															
	19.8																														unable to ID/ not tagged
	20.3																														unable to ID/ not tagged
	23.4																														unable to ID/ not tagged
	23.7	X	2	3	4	5	0				X	2	3	4	5	0															
	25																														unable to ID/ not tagged
	25.7																														Dead
	31.6																														unable to ID/ not tagged
	32.9 (1)	X	2	3	4	5	0				X	2	3	4	5	0															Dodder
	32.9 (2)																														unable to ID/ not tagged
	33.6																														unable to ID/ not tagged
	34.3 (1)	X	2	3	4	5	0				X	2	3	4	5	0															Dodder
	34.3 (2)	X	2	3	4	5	0				X	2	3	4	5	0															Dodder
	34.3 (3)	X	2	3	4	5	0				X	2	3	4	5	0															Dodder
	35.4																														unable to ID/ not tagged
	36.2 (1)	X	2	3	4	5	0				X	2	3	4	5	0															Dodder
	36.2 (2)	X	2	3	4	5	0				X	2	3	4	5	0															Dodder
	36.8																														unable to ID/ not tagged
	37.4 (1)																														unable to ID/ not tagged
	37.4 (2)																														unable to ID/ not tagged
	37.4 (3)																														unable to ID/ not tagged
	39.2																														unable to ID/ not tagged
	43.4 (1)																														Dead
	43.4 (2)	X	2	3	4	5	0				X	2	3	4	5	0															Dodder
	43.4 (3)	X	2	3	4	5	0				X	2	3	4	5	0															NO DODDER
	43.4 (4)	X	2	3	4	5	0				X	2	3	4	5	0															DEAD
	43.4 (5)	X	2	3	4	5	0				X	2	3	4	5	0															NO DODDER
	43.4 (6)	X	2	3	4	5	0				X	2	3	4	5	0															NO DODDER
	43.4 (7)	X	2	3	4	5	0				X	2	3	4	5	0															NO DODDER
	43.4 (8)																														unable to ID/ not tagged
	43.4 (9)																														unable to ID/ not tagged

Monitoring Results

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Date: 30.10.18

Name/s: RM

OCT 18

Population 4

Transect 1

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment																	
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil		
T4-1	3.1																												unable to ID/ not tagged	
	3.5 (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	3.5 (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	3.5 (3)																												Dead	
	3.5 (4)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	New tag Oct 19	
	6.7																													unable to ID/ not tagged
	8.9 (1)																													Dead - struck by lightning
	8.9 (2)																													Dead
	8.9 (3)																													Dead
	8.9 (4)																													Dead
	8.9 (5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	8.9 (6)																													Dead
	8.9 (7)																													Dead
	8.9 (8)																													Dead
	8.9 (9)																													Dead
	8.9 (10)																													Dead
	8.9 (11)																													Dead
	8.9 (12)																													unable to ID/ not tagged
	8.9 (13)																													unable to ID/ not tagged
	8.9 (14)																													unable to ID/ not tagged
	8.9 (15)																													unable to ID/ not tagged
	8.9 (16)																													unable to ID/ not tagged
	8.9 (17)																													unable to ID/ not tagged
	8.9 (18)																													unable to ID/ not tagged
	9.6																													unable to ID/ not tagged
	10.9 (1)																													Dead
	10.9 (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	10.9 (3)																													unable to ID/ not tagged
	10.9 (4)																													unable to ID/ not tagged
	22.1																													unable to ID/ not tagged
	23.7 (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	23.7 (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	23.7 (3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	23.7 (4)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	23.7 (5)																													unable to ID/ not tagged

Date: 28.10.18
 Name/s: RM

OCT. 18

Population 5
 Transect 1

Transect	Tree No.	Dust Rating					Fruit		Mature		Immature		Crown Density				Dead Branches				Crown Epicormic Growth				Comment				
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T5-1	0.9																												Unable to ID/not tagged
	1.2																												Dodder
	1.8																												Unable to ID/not tagged
	2.2 (1)																												Dodder
	2.2 (2)																												Dodder
	2.8																												Unable to ID/not tagged
	3.2 (1)																												Dodder
	3.2 (2)																												Dodder
	6.2																												Unable to ID/not tagged
	6.7 (1)																												Dodder Dead
	6.7 (2)																												Dodder
	12.2																												Unable to ID/not tagged
	12.8																												Unable to ID/not tagged
	15.2																												Unable to ID/not tagged
	16.1 (1)																												Unable to ID/not tagged
	16.1 (2)																												Unable to ID/not tagged
	16.1 (3)																												Unable to ID/not tagged
	16.1 (4)																												Unable to ID/not tagged
	18.5																												Unable to ID/not tagged
	19.5 (1)																												Dead
	19.5 (2)																												Dead
	19.5 (3)																												
	19.5 (4)																												Unable to ID/not tagged
	19.5 (5)																												Unable to ID/not tagged
	21.2																												Unable to ID/not tagged
	25.5 (1)																												Dodder
	25.5 (2)																												Dodder
	25.5 (3)																												
	25.5 (4)																												Dead
	25.5 (5)																												
	25.5 (6)																												
	25.5 (7)																												
	25.5 (8)																												
	25.5 (9)																												Dodder

Annual Compliance Assessment Report

Monitoring Results

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Annual Compliance Assessment Report

Monitoring Results

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Population 7
Transect 1

Please tick to show which value best represents each category for each tree

Monitoring Results

Population 7
Transect 2

Please tick to show which value best represents each category for each tree

Date: 16.10.18
Name/s: RM

Population 7
Transect 3

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment																		
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil			
T7-3	3.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	5.5 (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	5.5 (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	20.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dead	
	44.7 (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	44.7 (2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	44.7 (3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dead	
	44.7 (4)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dead	
	44.7 (5)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dead
	44.7 (6)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	44.7 (7)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dead
	44.7 (8)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	44.7 (9)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		47.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dying at APR 18 leaves yellow — Red

Please tick to show which value best represents each category for each tree
☐ = Previous Quarters Result

6.1.3. January 2019 Field

Date: 6-1-19
 Name/s: RM

Population 1
 Transect 1

Transect	Tree No.	Dust Rating				Fruit	Mature	Immature	Crown Density				Dead Branches				Crown Epicormic Growth	Comment								
		Negligible	Low	Moderate	High	Absent	Scarce	Common	Absent	Scarce	Common	Absent	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-1	3	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Need wire for
	9.6 (1)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder flowering
	9.6 (2)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder flowering
	9.6 (3)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder
	10.5	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder
	14.8	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder
	19.7	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			
	21.5	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			flowering
	24.8 (1)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder flowering
	24.8 (2)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			
	24.8 (3)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dead
	24.8 (4)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Cut cable tie New Cable
	24.8 (5)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			flowering
	26.3 (1)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder
	26.3 (2)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder
	27.6	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder
	33.1 (1)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder
	33.1 (2)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			flowering
	33.1 (3)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			
	33.1 (4)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			
	36.4	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			
	40.4 (1)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder flowering
	40.4 (2)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			" "
	40.4 (3)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder " "
	40.4 (4)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			
	40.4 (5)	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder flowering
	46	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder flowering
	48.7	✓	2	3	4	0	1	2	3	0	1	2	3	0	1	2	3	4	5	1.5	2	2.5	3			Dodder

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 1
Transect 2

Transect	Tree No.	Dust Rating	Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epilimic Growth	Comment																																																																																																	
		Negligible Low Moderate High Extreme Absent Scarce Common Abundant Absent Scarce Common Abundant Absent Scarce Common Abundant Very Sparse Sparse Average Dense Very Dense Most of Crown (Main & Small) Part of Crown (Main & Small) Part of Crown (Small Only) Part of Crown (Terminal Only) No Dead Branches Severe Moderate Slight Nil																																																																																																								
T1-2	5.6 (1)	2	3	4	5	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	5.6 (2)	2	3	4	5	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	8.8	2	3	4	5	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	14.2 (1)	2	3	4	5	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	14.2 (2)	2	3	4	5	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	17.8	2	3	4	5	0	1	2	3	4	5	6	7	8																																																																																												

□ = Previous Quarters Result

Date: 6-1-18
 Name/s: RM

Population 1
 Transect 3

Transect	Tree No.	Dust Rating			Fruit			Mature			Immature			Crown Density			Dead Branches			Crown Epicormic Growth			Comment										
		Negligible	Low	Moderate	High	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil		
T1-3	1.4	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	Dodder <i>flowering</i>
	24	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	Dodder " "
	26.1 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	Dodder " "
	26.1 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	Dodder " "
	26.1 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	Dead (just a branch?) <i>not abg</i>
	27.7 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	Dodder
	27.7 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	Dodder
	32.7 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	Leaves browning/dying
	32.7 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	<i>flowering</i>
	34.4 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	<i>flowering</i>
	34.4 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	<i>flowering</i>
	35.1	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	<i>flowering</i>
	38.7	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	<i>flowering</i>
	47.3 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	47.3 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	47.3 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Population 1
Transect 4

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 1
Transect 5

Transect	Tree No.	Dust Rating	Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment
T1-5	24.2	1 Negligible 2 Low 3 Moderate 4 High 5 Extreme	0 Absent 1 Scarce 2 Common 3 Abundant 4 Absent	0 Absent 1 Scarce 2 Common 3 Abundant 4 Absent	0 Scarce 1 Common 2 Abundant 3 Very Sparse 4 Sparse 5 Average 6 Dense 7 Very Dense	0 Most of Crown (Main & Small) 1 Part of Crown (Main & Small) 2 Part of Crown (Small Only) 3 Part of Crown (Terminal Only) 4 No Dead Branches	1 Severe 2 Moderate 3 Slight 4 Nil	Dodder <i>Flowering</i>	
	30.1	1 Negligible 2 Low 3 Moderate 4 High 5 Extreme	0 Absent 1 Scarce 2 Common 3 Abundant 4 Absent	0 Absent 1 Scarce 2 Common 3 Abundant 4 Absent	0 Scarce 1 Common 2 Abundant 3 Very Sparse 4 Sparse 5 Average 6 Dense 7 Very Dense	0 Most of Crown (Main & Small) 1 Part of Crown (Main & Small) 2 Part of Crown (Small Only) 3 Part of Crown (Terminal Only) 4 No Dead Branches	1 Severe 2 Moderate 3 Slight 4 Nil	Dodder "	
	44.1	1 Negligible 2 Low 3 Moderate 4 High 5 Extreme	0 Absent 1 Scarce 2 Common 3 Abundant 4 Absent	0 Absent 1 Scarce 2 Common 3 Abundant 4 Absent	0 Scarce 1 Common 2 Abundant 3 Very Sparse 4 Sparse 5 Average 6 Dense 7 Very Dense	0 Most of Crown (Main & Small) 1 Part of Crown (Main & Small) 2 Part of Crown (Small Only) 3 Part of Crown (Terminal Only) 4 No Dead Branches	1 Severe 2 Moderate 3 Slight 4 Nil	Dodder " "	

☐ = Previous Quarters Result

Transect 6

□ = Previous Quarters Result

Date: 5.1.19

Name/s: RM

Population 1

Transect 7

Transect	Tree No.	Dust Rating				Fruit		Mature		Immature		Crown Density				Dead Branches				Crown Epicormic Growth				Comment
		Negligible	Low	Moderate	High	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	
T1-7	13.5	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	Flowering
	15.5	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	" "
	23.6	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	" "
	28.5 (1)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	" "
	28.5 (2)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	" "
	31.4	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	Dodder Flowering
	33.7 (1)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	Dodder
	33.7 (2)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	Dodder Flowering
	36 (1)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	Flowering
	36 (2)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	Dodder " "
	38	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	Dead
	46.4 (1)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	
	46.4 (2)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	Dodder
	46.4 (3)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	
	46.4 (4)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	
	46.4 (5)	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	
	47.9	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	Dodder
	49.4	✓	2	3	4	5	0	1	2	✓	0	1	2	3	4	5	0	1	2	3	4	5	0	

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 1
Transect 8

Please tick to show which value best represents each category for each tree

Date: 6.1.18
Name/s: RM

Population 3
Transect 1

Transect	Tree No.	Dust Rating					Fruit			Mature			Immature			Crown Density					Dead Branches				Crown Epicormic Growth				Comment					
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches		Severe	Moderate	Slight	Nil	
T3-1	1.9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flw
	3.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	" "
	5.3 (1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	" "
	5.3 (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	" "
	9.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flw
	17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flw
	18.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flw
	19.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flw
	42.7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flw
	47.7 (1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flw
	47.7 (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flw
	50 (1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	" "
	50 (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	" "
	50 (3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flw
	50 (4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flw
50 (5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	" "	

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 3
Transect 2

Please tick to show which value best represents each category for each tree

Date: 6.1.19
Name/s: RM

Population 3
Transect 3

Transect	Tree No.	Dust Rating					Fruit	Mature					Immature					Crown Density					Dead Branches					Crown Epicormic Growth					Comment				
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil					
T3-3	5.5	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	
	6.9 (1)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	flowering
	6.9 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	flowering
	7.4	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	" "
	8.4	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	" "
	10.4	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	
	23.3	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	flowering
	44.8	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	✓	3	0	1	" "
																																				good new post	
																								</													

Please tick to show which value best represents each category for each tree
☐ = Previous Quarters Result

Population 7
Transect 1

Please tick to show which value best represents each category for each tree

Population 7
Transect 2

[illegible]

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Date: 30-01-19
Name/s: A. HARRISON

Population 2
Transect 1

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment																	
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil		
T2-1	4.1 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	✓			
	4.1 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	re tag/texta Jan 18		
	4.1 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	✓			
	8.9 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	✓			
	8.9 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	✓			
	14.3	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	✓	4	5	1.5	2	2.5	✓	Dodder	
	19	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓	Dodder	
	22.6	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓		
	26 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓	Dodder	
	26 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓	Dodder	
	30.5 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓		
	30.5 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓		
	30.5 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓	Dead	
	35.4	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	5	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓	
	46.8 (1)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓		
46.8 (2)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓	Dead		
46.8 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓			
50	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	✓	4	✓	1.5	2	2.5	✓			

Please tick to show which value best represents each category for each tree
☐ = Previous Quarters Result

Date: 30-01-19
Name/s: A. Heffernon

Population 2
Transect 2

Transect	Tree No.	Dust Rating					Fruit					Mature					Immature					Crown Density					Dead Branches					Crown Epicormic Growth					Comment
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil					
T2-2	15.6 (1)	✓	2	3	4	5	0	1	2	3	0	✓	2	3	0	✓	2	3	0	1	2	3	7	9	1	2	3	4	✓	1.5	2	2.5	✓				
	15.6 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	1	2	3	1	3	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓				
	20.8 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	1	2	3	✓	3	5	7	9	1	2	✓	4	5	✓	2	2.5	3	Leaning, epicormic foliage			
	20.8 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	✓	3	1	3	✓	5	7	9	1	2	✓	4	5	✓	2	2.5	3	Dead			
	26.7	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	✓	3	1	3	✓	5	7	9	1	2	✓	4	5	✓	1.5	2	2.5	✓			
	30.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	✓	3	1	3	✓	5	7	9	1	2	✓	4	5	✓	1.5	2	2.5	✓			
	36	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	✓	3	1	3	✓	5	7	9	1	2	✓	4	5	✓	1.5	2	2.5	✓			
	37.8 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	✓	3	1	3	✓	5	7	9	1	2	✓	4	5	✓	1.5	2	2.5	✓			
	37.8 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	✓	3	1	3	✓	5	7	9	1	2	✓	4	5	✓	1.5	2	2.5	✓	Dead		
50	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	✓	3	1	3	✓	5	7	9	1	2	✓	4	5	✓	1.5	2	2.5	✓				
																								</													

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Population 2
Transect 3

[illegible]

 = Previous Quarters Result

6.1.4. April 2019 Field Sheets

Date: 8/4/19
 Name/s: AM + AH

Population 1

Transect 1

Transect	Tree No.	Dust Rating					Fruit			Mature			Immature			Crown Density			Dead Branches			Crown Epicormic Growth				Comment								
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	No Dead Branches	Severe	Moderate	Slight	Nil				
T1-1	3	X	2	3	4	5	0	X	7	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	9.6 (1)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	9.6 (2)	X	2	3	4	5	0	1	2	3	X	1	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	9.6 (3)	X	2	3	4	5	0	X	2	3	0	X	2	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	10.5	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	14.8	X	2	3	4	5	0	X	2	3	0	X	2	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	19.7	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	21.5	X	2	3	4	5	0	X	2	3	0	X	2	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	24.8 (1)	X	2	3	4	5	0	1	2	X	0	1	2	X	0	1	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	24.8 (2)	X	2	3	4	5	0	X	2	3	0	X	2	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	24.8 (3)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Dead	
	24.8 (4)	X	2	3	4	5	0	X	2	3	X	1	2	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Cut cable tie	
	24.8 (5)	X	2	3	4	5	0	1	2	X	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	26.3 (1)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	26.3 (2)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	3	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	27.6	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	33.1 (1)	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	33.1 (2)	X	2	3	4	5	0	1	X	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	33.1 (3)	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	33.1 (4)	X	2	3	4	5	0	1	2	X	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	36.4	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	40.4 (1)	X	2	3	4	5	0	1	X	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	40.4 (2)	X	2	3	4	5	0	1	X	3	0	X	2	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	40.4 (3)	X	2	3	4	5	0	1	X	3	0	X	2	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	40.4 (4)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	3	X	5	7	9	1	2	X	4	5	1.5	2	2.5	X	DYING ?
	40.4 (5)	X	2	3	4	5	0	1	X	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	46	X	2	3	4	5	0	1	X	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	48.7	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	3	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Population 1
Transect 2

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date: 8/4/19
 Name/s: WM + AH

Population 1

Transect 3

Transect	Tree No.	Dust Rating					Fruit					Mature					Immature					Crown Density					Dead Branches					Crown Epicormic Growth					Comment
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil					
T1-3	1.4	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓	Dodder					
	24	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓	Dodder					
	26.1 (1)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓	Dodder					
	26.1 (2)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓	Dodder					
	26.1 (3)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓	Dead (just a branch?)					
	27.7 (1)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓	Dodder					
	27.7 (2)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓	Dodder					
	32.7 (1)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓	Leaves browning/dying					
	32.7 (2)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓						
	34.4 (1)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓						
	34.4 (2)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓						
	35.1	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓						
	38.7	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓						
	47.3 (1)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓						
	47.3 (2)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓						
	47.3 (3)	X	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	✓						

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date: 8/4/19
 Name/s: AM + BH

Population 1

Transect 4

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment																			
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil				
T1-4	2.3	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	16 (1)	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	16 (2)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	Dead
	16 (3)	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	16 (4)	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	16 (5)	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	16 (6)	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	16 (7)	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	Dead
	18.6	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	21	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	21.7	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	22.9	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	24.1	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	34 (1)	X	2	3	4	5	0	1	2	3	X	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	Dodder
	34 (2)	X	2	3	4	5	0	1	X	2	3	4	5	0	1	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	37.3 (1)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	37.3 (2)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	
	43.4	X	2	3	4	5	0	1	2	3	X	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	
	44.8	X	2	3	4	5	0	1	2	3	X	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 1
Transect 5

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Population 1
Transect 6

Please tick to show which value best represents each category for each tree

Date: 8/4/19
Name/s: AM + AH

Population 1
Transect 7

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment																						
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	No Dead Branches	Severe	Moderate	Slight	Nil								
T1-7	13.5	X	2	3	4	5	0	1	2	X	0	1	X	3	0	1	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	15.5	X	2	3	4	5	0	X	2	3	0	X	2	3	0	1	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	23.6	X	2	3	4	5	0	1	2	X	0	1	X	3	0	1	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	28.5 (1)	X	2	3	4	5	0	1	2	X	0	1	2	3	0	1	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	28.5 (2)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	
	31.4	X	2	3	4	5	0	1	X	2	3	0	X	2	3	0	1	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	33.7 (1)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder		
	33.7 (2)	X	2	3	4	5	0	1	X	2	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	36 (1)	X	2	3	4	5	0	1	X	2	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	36 (2)	X	2	3	4	5	0	1	2	X	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder		
	38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Dead	
	46.4 (1)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X			
	46.4 (2)	X	2	3	4	5	0	X	2	3	0	X	2	3	0	1	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder	
	46.4 (3)	X	2	3	4	5	0	1	X	2	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
	46.4 (4)	X	2	3	4	5	0	1	X	2	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X		
46.4 (5)	X	2	3	4	5	0	1	X	2	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X			
47.9	X	2	3	4	5	0	1	X	2	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder		
49.4	X	2	3	4	5	0	1	X	2	3	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X			
																							</												

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 1
Transect 8

Please tick to show which value best represents each category for each tree

Date: 9/4/19
 Name/s: AM + AH

Population 3
 Transect 1

Transect	Tree No.	Dust Rating					Fruit					Mature					Immature					Crown Density					Dead Branches					Crown Epicormic Growth					Comment
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil					
T3-1	1.9	X	2	3	4	5	0	X	2	3	4	5	0	X	2	3	4	5	0	X	2	3	4	5	0	X	2	3	4	5	0	X	2	3	4	5	
	3.8	X	2	3	4	5	0	X	2	3	4	5	0	X	2	3	4	5	0	X	2	3	4	5	0	X	2	3	4	5	0	X	2	3	4	5	
	5.3 (1)	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	5.3 (2)	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	9.2	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	17	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	18.5	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	19.2	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	42.7	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	47.7 (1)	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	47.7 (2)	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	50 (1)	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	50 (2)	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
	50 (3)	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	
50 (4)	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5		
50 (5)	X	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5		

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 3
Transect 2

Please tick to show which value best represents each category for each tree

Population 3
Transect 3

[illegible]

□ = Previous Quarters Result

Date:

Name/s:

17/4/19

Population 2

Transect 1

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density	Dead Branches	Crown Epicormic Growth	Comment																		
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	No Dead Branches	Severe	Moderate	Slight	Nil				
T2-1	4.1 (1)	X	2	3	4	5	0	1	2	X	0	1	2	X	0	1	3	5	X	9	1	2	3	4	1.5	2	2.5	X			
	4.1 (2)	X	2	3	4	5	0	1	2	X	0	1	2	X	0	1	3	5	X	9	1	2	3	4	1.5	2	2.5	X			
	4.1 (3)	X	2	3	4	5	0	1	X	3	0	1	X	3	0	1	3	5	X	9	1	2	3	4	1.5	2	2.5	X			
	8.9 (1)	X	2	3	4	5	0	1	2	X	0	1	2	X	0	1	3	5	X	9	1	2	3	4	1.5	2	2.5	X			
	8.9 (2)	X	2	3	4	5	0	1	2	X	0	1	2	X	0	1	3	5	X	9	1	2	3	4	1.5	2	2.5	X			
	14.3	X	2	3	4	5	0	X	2	3	0	X	2	3	0	X	5	7	9	1	2	X	4	1.5	2	2.5	X	Dodder			
	19	X	2	3	4	5	0	1	X	3	0	1	X	3	0	1	3	5	X	9	1	2	3	4	1.5	2	2.5	X	Dodder		
	22.6	X	2	3	4	5	0	1	X	3	0	1	X	3	0	1	3	5	X	9	1	2	3	4	1.5	2	2.5	X			
	26 (1)	X	2	3	4	5	0	X	2	3	0	X	2	3	0	X	5	7	9	1	2	3	4	1.5	2	2.5	X	Dodder			
	26 (2)	X	2	3	4	5	0	X	2	3	0	X	2	3	0	X	5	7	9	1	2	3	4	1.5	2	2.5	X	Dodder			
	30.5 (1)	X	2	3	4	5	0	1	2	X	0	1	X	3	1	3	X	7	9	1	2	3	4	1.5	2	2.5	X				
	30.5 (2)	X	2	3	4	5	0	1	2	X	0	1	X	3	1	3	X	7	9	1	X	4	1.5	2	2.5	X					
	30.5 (3)																											Dead			
	35.4	X	2	3	4	5	0	1	2	X	0	1	X	3	1	3	X	7	9	1	2	3	4	1.5	2	2.5	X				
	46.8 (1)	X	2	3	4	5	0	1	X	3	0	X	2	3	1	3	X	7	9	1	2	3	4	1.5	2	2.5	X				
46.8 (2)																											Dead				
46.8 (3)	X	2	3	4	5	0	X	2	3	0	X	2	3	0	1	X	3	1	3	X	7	9	1	2	3	4	1.5	2	2.5	X	
50	X	2	3	4	5	0	X	2	3	0	X	2	3	0	1	X	3	1	3	X	7	9	1	2	3	4	1.5	2	2.5	X	

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 2
Transect 2

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Monitoring Results

Population 2
Transect 3

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Date:

17/4/19

Name/s:

Hv

Population 7

Transect 1

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density					Dead Branches				Crown Epicormic Growth	Comment										
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil		
T7-1	4.8 (1)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	4.8 (2)																													Dead
	7.8																													Dead
	11.5 (1)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	11.5 (2)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Foliage severely eaten
	14.3 (1)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	14.3 (2)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	14.3 (3)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	14.3 (4)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	17.8	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	20.7 (1)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	20.7 (2)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	22.3	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	27.9																													Dead
	28.7																													Dead
33.5																													Dead	
44.3	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	4	5	7	9	1	2	3	4	5	1.5	2	2.5	X		

Please tick to show which value best represents each category for each tree

☐ = Previous Quarters Result

Transect 2

Please tick to show which value best represents each category for each tree

Date: 17/4/19
Name/s: km

Population 7
Transect 3

Transect	Tree No.	Dust Rating					Fruit	Mature	Immature	Crown Density					Dead Branches				Crown Epicormic Growth	Comment									
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Very Dense	Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T7-3	3.1	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	0	1	X	2	3	0	1	X	1.5	1	2.5	X	
	5.5 (1)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	0	1	X	2	3	0	1	X	1.5	1	2.5	X	
	5.5 (2)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	0	1	X	2	3	0	1	X	1.5	1	2.5	X	
	20.6																												Dead
	44.7 (1)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	0	1	X	2	3	0	1	X	1.5	1	2.5	X	
	44.7 (2)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	0	1	X	2	3	0	1	X	1.5	1	2.5	X	
	44.7 (3)																											Dead	
	44.7 (4)																											Dead	
	44.7 (5)																											Dead	
	44.7 (6)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	0	1	X	2	3	0	1	X	1.5	1	2.5	X	
	44.7 (7)																											Dead	
	44.7 (8)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	0	1	X	2	3	0	1	X	1.5	2	2.5	X	
	44.7 (9)	X	2	3	4	5	0	1	X	2	3	0	1	X	2	3	0	1	X	2	3	0	1	X	1.5	2	2.5	X	
	47.1																											Dead	

Please tick to show which value best represents each category for each tree
☐ = Previous Quarters Result

