Spotted Quoll Open Pit Nickel Mine
Ministerial Statement 808
Annual Compliance Assessment Report
1 July 2017 to the 30 June 2018

PREPARED BY: Western Areas Limited
PREPARED FOR: Office of the Environmental Protection Authority - Compliance Branch
DUE DATE: 16 September 2018
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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 2016 to 16 September 2017. 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
Mining	REG ID 28561	29/11/2010	Spotted Quoll Underground Nickel Mine	Department of

Proposal			and related infrastructure.	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

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
- Paste Plant
- Vent Shaft
- Mine Ore Pad
- Offices
- Workshops and Fuel Bay
- Dewatering Infrastructure
- Septic System
- Bioremediation Facility
- Transport and Powerline Corridors
- Overburden Stockpile
- Laydown Facility
- 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 2017 to the 30 June 2018

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
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.	

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: • 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: • 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 ☒ the appropriate box)			
No (please proceed to Section 3.3)		Yes (please proceed to Section 3.4)	✓

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

<table>
<tr><td colspan="3">Which implementation condition or procedure was non-compliant or potentially non-compliant?</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td colspan="3">Was the implementation condition or procedure non-compliant or potentially non-compliant?</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td colspan="3">On what date(s) did the non-compliance or potential non-compliance occur (if applicable)?</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td colspan="3">Was this non-compliance or potential non-compliance reported to the General Manager, OEPA?</td></tr>
<tr><td rowspan="2">☐ Yes</td><td>☐ Reported to OEPA verbally. Date:</td><td rowspan="2">☐ No</td></tr>
<tr><td>☐ Reported to OEPA in writing. Date:</td></tr>
<tr><td colspan="3">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?</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td colspan="3">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)</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td colspan="3">What was the cause(s) of the non-compliance or potential non-compliance?</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td colspan="3">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?</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td colspan="3">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?</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td colspan="3">Please provide information/documentation collected and recorded in relation to this implementation condition or procedure:
• 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)</td></tr>
</table>

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

3.4. Proponent Declaration

I, ……, (full name and position title) declare that I am

authorised on behalf of …… (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**:……

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 2016 to 2017 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

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).

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 (*Eucalyptus steedmanii*)	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 *Eucalyptus steedmanii* 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

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.

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
E. steedmanii health monitoring (observation)	Visual observations and photographs	1, 3A/3B and plants identified by Botanica (2009)	Quarterly
E. steedmanii 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 (*E. steedmanii*)	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).*

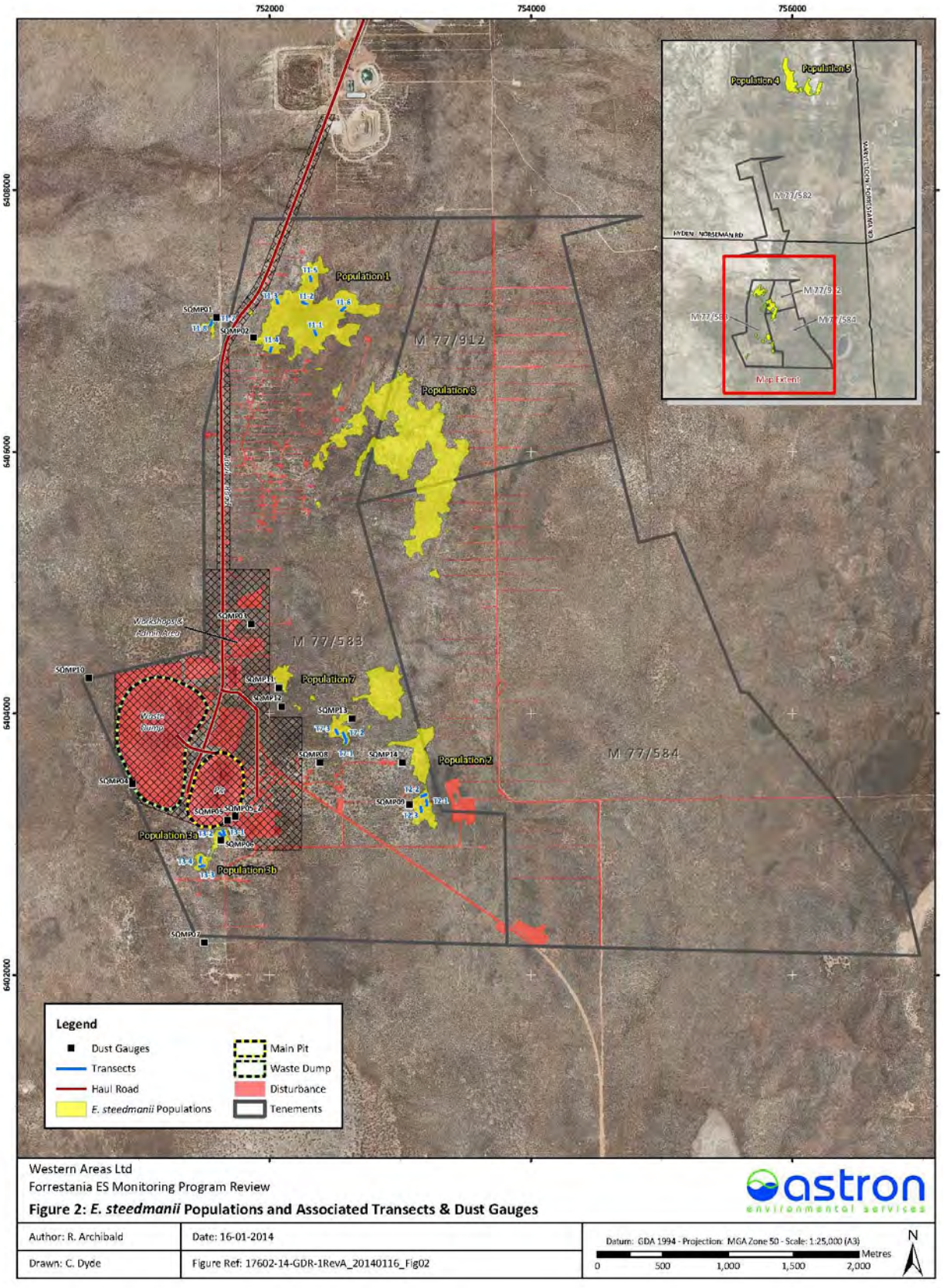
4.2. Raw Data

Monitoring data collected as per Table 6 during the reporting period and has been provided in this CAR as Appendix 7 to meet Condition 6-4 of MS808. The last DRF census was undertaken in January 2014 by Botanica Consulting.

5. Figures

5.1. Project Location

5.2. Project Area and Site Layout



6. Appendices

6.1. Ministerial Statement 808

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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 • Ore	 6.83 million tonnes per annum (approximately) 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.

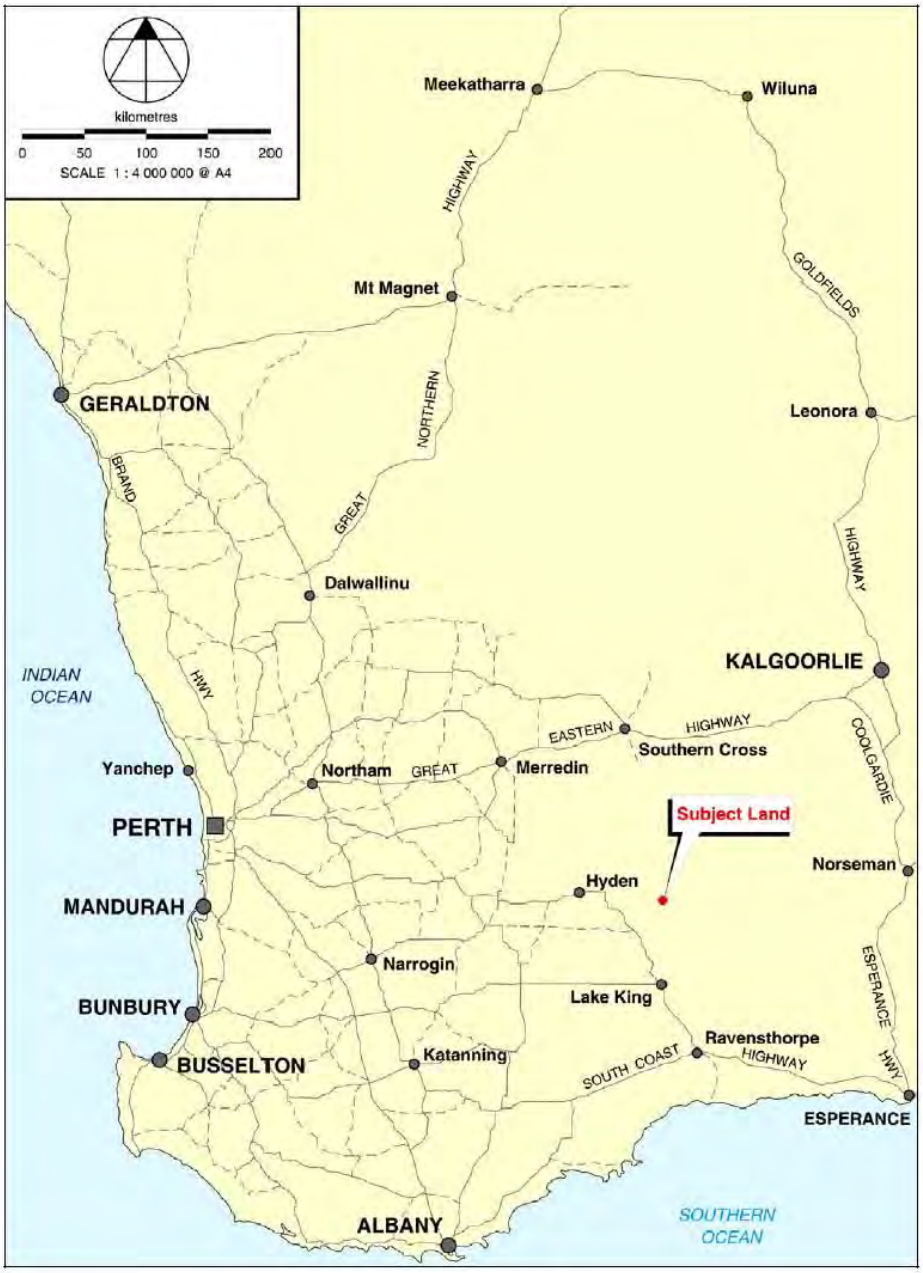

Figure 1: Project location

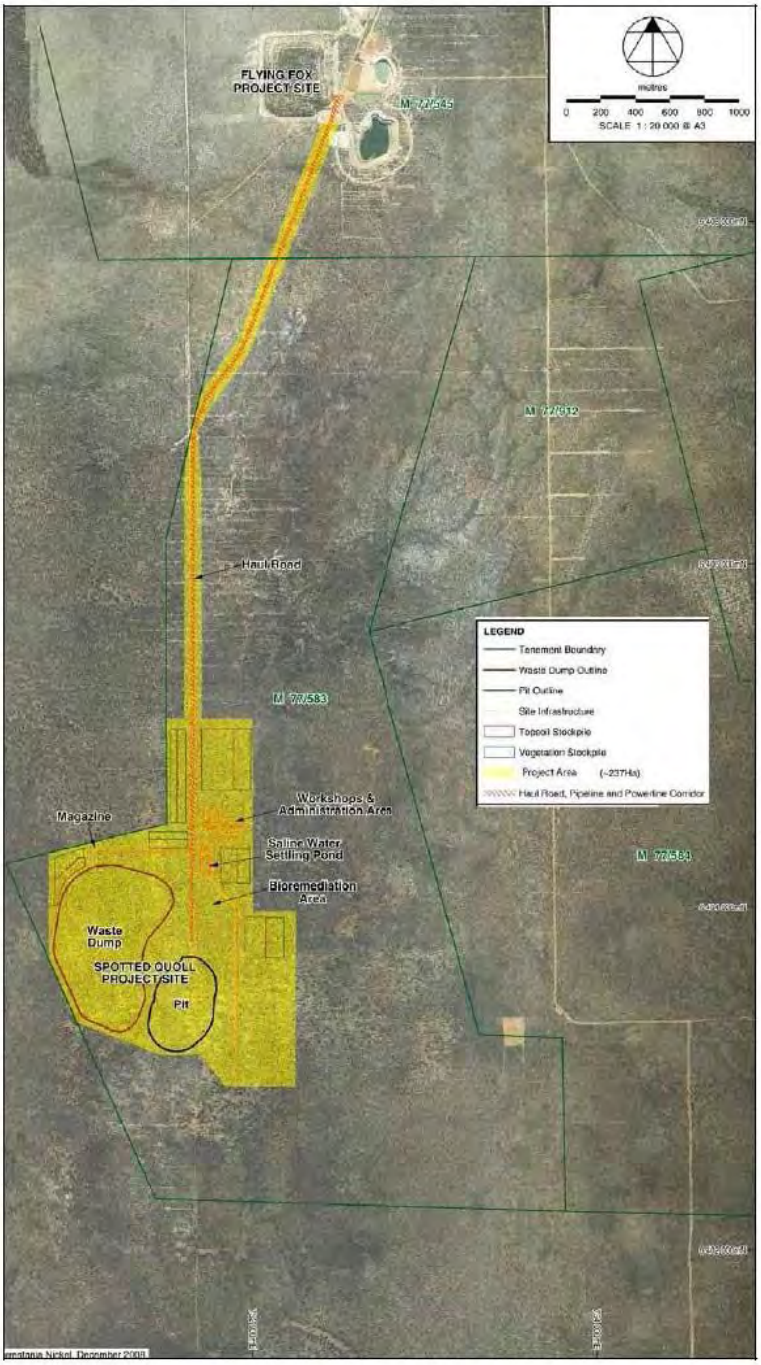

Figure 2: Project area and site layout

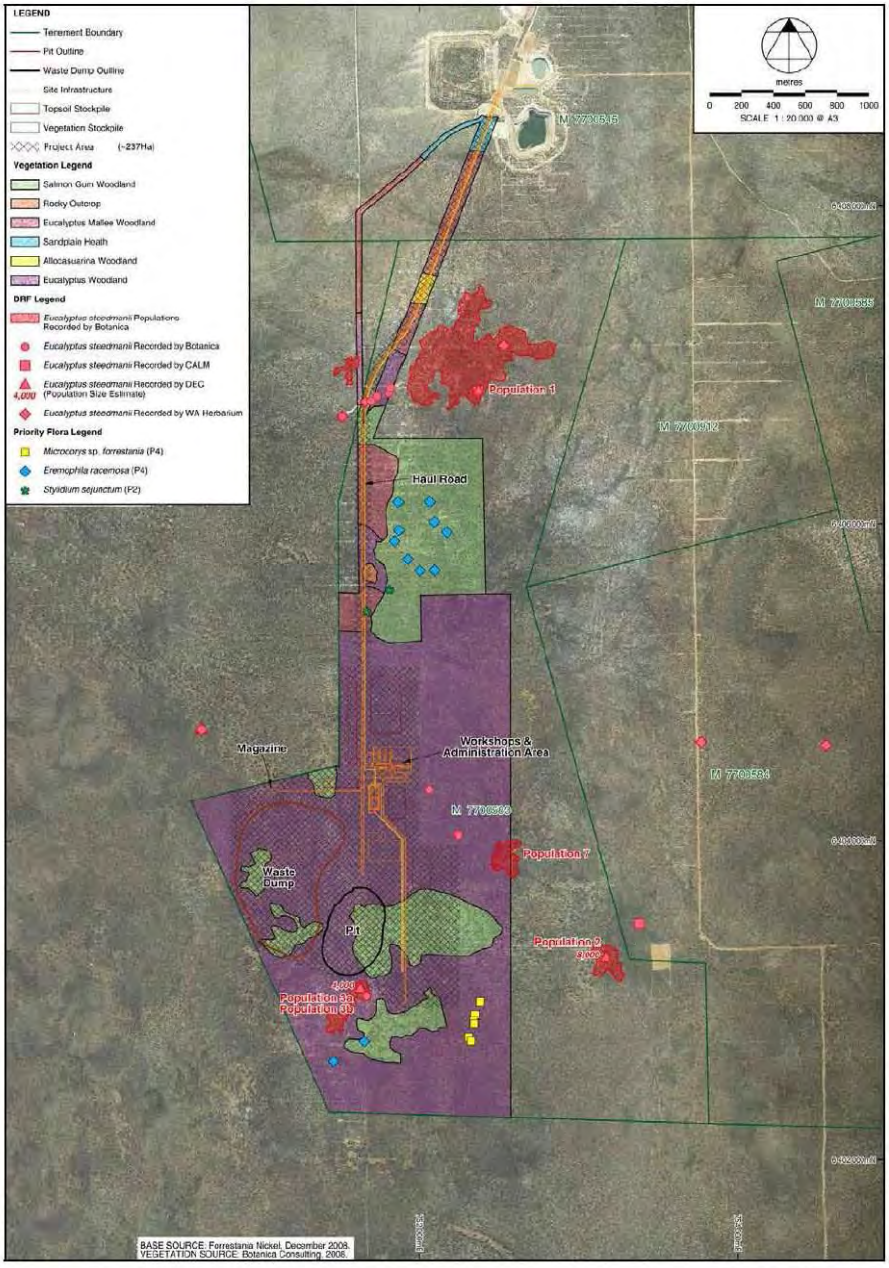

Figure 3: Eucalyptus steedmanii within and adjacent to the Spotted Quoll project area.

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

GOVERNMENT OF WESTERN AUSTRALIA

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)

GOVERNMENT OF WESTERN AUSTRALIA

Office of the **Environmental Protection Authority**

The Atrium,
Level 8, 168 St Georges Terrace,
Perth, Western Australia 6000.
Telephone: (08) 6467 5600.
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Postal Address: Locked Bag 33,
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RECEIVED
17 OCT 2010
BY: Anna

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

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;

2. rehabilitation completion criteria consistent with Environmental Protection Authority Guidance Statement No. 6 *Guidance for the Assessment of Environmental Factors: Rehabilitation of Terrestrial Ecosystems* 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;

5. procedures to review and revise the Rehabilitation and Mine Closure Plan;

6. measures for preventing groundwater contamination outside of the final pit void; and

7. in the event that a pit lake forms, management measures for ensuring the site is inaccessible to fauna identified as being at risk of impact and for protecting the surrounding native vegetation from potential adverse impacts. The management measures are to be practicable and in accordance with best practice mine closure safety and environmental standards."

2. Condition 8-3 deleted

Condition 8-3 of Ministerial Statement 808 is deleted.

[Signed 2 December 2011]

HON BILL MARMION MLA
MINISTER FOR ENVIRONMENT; WATER

6.5. Compliance Audit Table

GOVERNMENT OF WESTERN AUSTRALIA

Office of the Environmental Protection Authority

Audit Table

Proposal Implementation Monitoring Section

PROJECT: Spotted Quoll Open Pit Nickel Mine, Shire of Kondinin

Note:

- Phases that apply in this table = **Pre-Construction, Construction, Operation, Decommissioning, Overall** (several phases)
- This audit table is a summary and timetable of conditions and commitments applying to this project. Refer to the Minister's Statement for full detail/precise wording of individual elements.
- Code prefixes: **M** = Minister's condition; **P** = Proponent's commitment; **A** = Audit specification; **N** = Procedure.
- Any elements with status = "**Audited by proponent only**" are legally binding but are not required to be addressed specifically in compliance reports, if complied with.
- Acronyms list:- Minister for the Environment - **Min for Env**; Chief Executive Officer of the OEPA - **CEO**; Department of Environment - **DoE** (now **DEC** – Dept of Environment and Conservation); Evaluation Division - **Part IV**; Pollution Prevention Division - **Part V**; Waste Management Division - **WMD**; Department of Conservation and Land Management - **CALM**; Department of Minerals and Energy - **DME**; Environmental Protection Authority - **EPA**; Health Department of WA - **HDWA**; Water and Rivers Commission - **WRC**; Bush Fires Board - **BFB**.

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	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 project in accordance with criteria in schedule 1.	Compliance Assessment Report (CAR)	Min of Env		Overall	Ongoing	Compliant	
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.	Provide letter to CEO advising change of proponent.	Notification of change of proponent address and or company name	Min of Env		Overall	Ongoing	Not required at this stage	The nominated proponents for the project did not change during the reporting period.
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.	Provide letter to CEO advising change of proponent.	Notification of change of proponent address and or company name	CEO		Overall	Within 30 days of such change	Not required at this stage	The nominated proponents for the project did not change during the reporting period.
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.	Notify in writing.	Letter of notification.	CEO		Overall	On or before 17 September 2014	Completed	Letter of acknowledgement of substantial commencement received from OEPA and dated 30 September 2010.
808:M3.2	Time Limit of Authorisation	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.	Notify in writing.	Letter of notification.	CEO		Overall	Before the 17 September 2014	Completed	Letter of acknowledgement of substantial commencement received from OEPA and dated 30 September 2010.
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. Maintain CAP for the life of the proposal and a minimum of seven years following the end of the life of the proposal.	Prepare of a Compliance Assessment Plan (CAP) as per EPA Guidelines 'Post Assessment Guideline for Preparing a Compliance Assessment Plan.'	CAP	CEO		Overall	Ongoing	Compliant	No changes to CAP have been made during the reporting period.
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	Submit CAP which includes the requirements as per Condition M4.2.	Letter of acceptance of CAP from OEPA.	CEO		Pre-Construction	6 months prior to the first compliance		CAP was submitted to the OEPA on the 24 September 2010.

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status	Further Information
		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: • the frequency of compliance reporting • the approach and timing of compliance assessments • the retention of compliance assessments • reporting of potential non-compliances and corrective actions taken • the table of contents of compliance reports • public availability of compliance reports						report	Letter of CAP acceptance from the OEPA dated 12 October 2010.	
808:M4.3	Compliance Reporting	The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.	Undertake compliance assessment in accordance with CAP.	CAR and audit table.	Min of Env	Overall	Annual CAR by 17 September	Compliant	The CAR format has been updated to follow the 'Post Assessment Guideline for Preparing A Compliance Assessment Report – August 2012'
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 make those reports available when requested by the Chief Executive Officer of the Department of Environment and Conservation.	Retain all reports electronically on the Western Areas servers and make them available upon request.	Availability of records.	CEO	Overall	When requested by the CEO	Compliant	All CARs have been submitted to the OEPA as per the requested timeline and are retained by Western Areas.
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.	Notification in writing.	Letter of notification.	CEO	Overall	Within two business days of that non-compliance being known	Not required at this stage.	There were no known non-compliances during the reporting period.
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: • be endorsed by the proponents Managing Director or a person, approved in writing by the Department of Environment and Conservation, delegated to sign on the Managing Director's behalf • include a statement as to whether the proponent has complied with the conditions • identify all potential non-compliances and describe corrective and preventative actions taken • be made publicly available in accordance with the approved compliance • indicate any proposed changes to the compliance assessment plan required by condition 4-1	Submit CAR which complies with the requirements as per Condition M4.6.	CAR receipt letter from the OEPA.	CEO	Overall	Annual CAR by 17 September	Compliant	

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status	Further Information
808:M5.1	Performance Review and 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; 2. the performance objectives, standards and criteria related to these; the success of risk reduction/impact mitigation measures and results of monitoring related to the management of the major risks and impacts; 3. the level of progress in the achievement of best practice environmental performance, including industry benchmarking, and the use of best available technology; and 4. improvements gained in environmental management which could be applied to this and other similar projects	Submit Performance Review Report (PRR) which complies with the requirements as per Condition M5.1.	PPR receipt letter from the OEPA.	CEO		Overall	At the conclusion of the first year after the start of implementation (9th October 2010) and then annually	Compliant	
808: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.	Implementation of the Steedman's Gum Conservation Management Plan For Operational and Closure Stages at Spotted Quoll Mine	CAR and audit table.	CEO		Overall	Ongoing	Compliant	
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 *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	Implementation of the Steedman's Gum Conservation Management Plan For Operational and Closure Stages at Spotted Quoll Mine	Baseline monitoring report which includes results.	CEO	Pre-construction	Prior to Ground Disturbing Activities	Complete	*Eucalyptus steedmanii* population monitoring was undertaken by Botanica Consulting in September 2009.
808:M6.3	Flora and Vegetation	The proponent shall monitor impacts on the health and abundance of the Declared Rare Flora *Eucalyptus steedmanii* 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.	Implementation of the Steedman's Gum Conservation Management Plan For Operational and Closure Stages at Spotted Quoll Mine. Monitoring Plan to be approved by the OEPA.	Monitoring data as required by approved monitoring plan. Monitoring plan acceptance letter from the OEPA.	CEO	Overall	As per schedule within the approved monitoring plan	Compliant	
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.	Submit monitoring results in annual CAR.	Monitoring data provided within CAR	CEO	Overall	Annual CAR by 17 September	Compliant	
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 *Eucalyptus steedmanii* outside the areas to be cleared: • 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	Notification in writing. Provide investigation report determining root cause of decline. Submit actions to control proponent activities where they are determined to be the root cause of population decline.	Letter of notification. Investigation report. Letter of notification with proposed actions. Photographs of actions being	CEO	Overall	Within 21 days of the decline being identified and as required.	Compliant	Written notification submitted to the CEO of the Department of Water, Environment and Regulation of Declared Rare Flora *Eucalyptus steedmanii* health decline. Identification of

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status	Further Information
		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 • 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.	Implement the approved actions to control proponent activities where they are determined to be the root cause of population decline.	undertaken.						decline was on the 9th July 2017 and notification was submitted (postal and email) prior to the 30th July 2017.
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.	Make monitoring reports available in accordance with Post Assessment Guideline for Making Information Publically Available – Aug 2012.	CAR and audit table. Western Areas website published information.	CEO	Overall	Overall	Within 2 weeks of monitoring report submission.	Not required at this stage	
808:M7.1	Fauna	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.	Induct all staff and contractors to raise awareness about conservation of fauna; Limit project clearing of vegetation to the minimum necessary; Restricting traffic to established roads and parking areas; Erecting signs on haulage and access roads to create awareness of Malleefowl in the area; Survey for Malleefowl in any previously unsurveyed areas within the project area.	CAR and audit table. Environmental Induction Records Ground Disturbance Permit records. Photographs of signs. Malleefowl survey report.	CEO	Overall	Ongoing	Ongoing	Compliant	
808: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: • pre-mining soil profiles • groundwater levels • surface water flows • vegetation complexes • landscape and landforms • material characterisation.	Undertake surveys of the proposal area obtaining information on: • pre-mining soil profiles • groundwater levels • surface water flows • vegetation complexes • landscape and landforms • material characterisation	Survey reports containing baseline information.	CEO	Pre-construction	Prior to Ground Disturbing Activities	Compliant		
808: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	Submission of a Rehabilitation and Mine Closure Plan (RMCP) which shall comply with the requirements as per Condition M8.2. Obtain relevant agency advice.	Letter of acceptance for Rehabilitation and Mine Closure Plan. Letter/s of advice from appropriate agencies.	CEO and Director of DMP		Overall	Within 12 months of the commencement of Ground Disturbing Activities (i.e. 9th October 2010)	Compliant	

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status	Further Information
		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; 5. procedures to review and revise the Rehabilitation and Mine Closure Plan; 6. Measures for preventing groundwater contamination outside the final pit void; and 7. In the event that a pit lake forms, management measures for ensuring the site is inaccessible to fauna identified as being at risk of impact and for protecting the surrounding native vegetation from potential adverse impacts. The management measures are to be practicable and in accordance with best practice mine closure safety and environmental standards. * *Guidance for the Assessment of Environmental Factors: Rehabilitation of Terrestrial Ecosystems: No 6, Environmental Protection Authority, 2006.*							

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

RECEIVED
26 MAY 2014
BY

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

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. Monitoring Data

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

Reporting Period: 01 July 2017 to 30 June 2018

Prepared by: Western Areas Limited

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

Submission date: September 2018

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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 *Eucalyptus steedmanii* 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 *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
808:M6.3	Flora and Vegetation	The proponent shall monitor impacts on the health and abundance of the Declared Rare Flora *Eucalyptus steedmanii* 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 Eucalyptus *steedmanii* outside the areas to be cleared: • 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
		• 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
E. steedmanii health monitoring (observation)	Visual observations and photographs	1, 3A/3B and plants identified by Botanica (2009)	Quarterly
E. steedmanii 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 (*E. steedmanii*)	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).

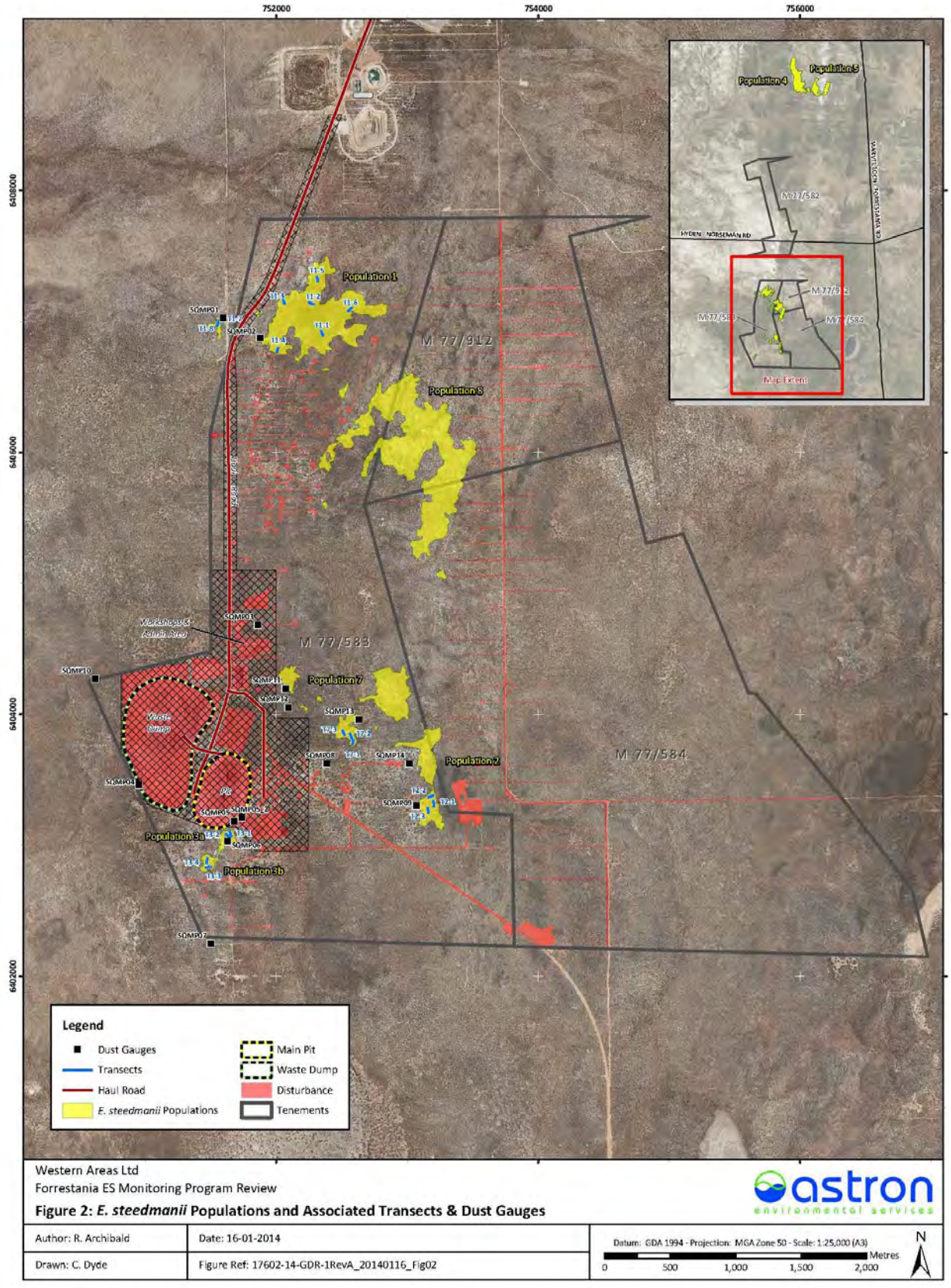


Figure 1: DRF Monitoring Layout Plan

4. Monitoring Results

4.1. Quadrennial Population Census

The last quadrennial population census was undertaken by Botanica in January 2014 for all eight *E. steedmanii* populations. The next census was due in January 2018; however this has been postponed due to the discovery of Dieback occurrence (*Phytophthora boodjera*) within population seven from monitoring undertaken during 2017/18. Subsequent investigations have been undertaken, with the assistance of expert consultants, during the reporting year. It is expected that Dieback occurrence mapping and a management plan will be developed and implemented within the forthcoming reporting year in order to manage this newly discovered environmental risk.

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 *Cascuta* (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. The EPA was notified within 21 days of the discovery in writing. An investigation into the cause, which is thought to the recently identified *Phytophthora boodjera*, is ongoing and the EPA will be advised of the findings.

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

Component	Health Score	Score Description
	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 annual 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-17	12.0	10.8	12.6	-	-	9.9
Oct-17	12.0	10.3	12.6	4.15	6.59	9.2
Jan-18	12.0	10.8	12.3	-	-	10.1
Apr-18	12.0	11.8	12.4	-	-	9.1

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

Date	Population 1	Population 2	Population 3	Population 4	Population 5	Population 7
Jul-17	1.6	1.5	1.9	-	-	0.9
Oct-17	1.6	1.6	1.8	0.33	0.29	0.8
Jan-18	1.5	1.6	1.8	-	-	0.8
Apr-18	1.6	1.5	1.9	-	-	0.9

4.3.1. Population 1

Since using the grimes rating method, the health of Population 1 has decreased by ~6%. The reasons are due to lower ratings in tree density (-8%) and branches (-3%), which is likely due to dodder in the tree canopies (presence increased from 34 to 51 trees). Mortality of trees along transects is also recorded by WAL and 5 of the 101 trees monitored for Population 1 have died since monitoring began.

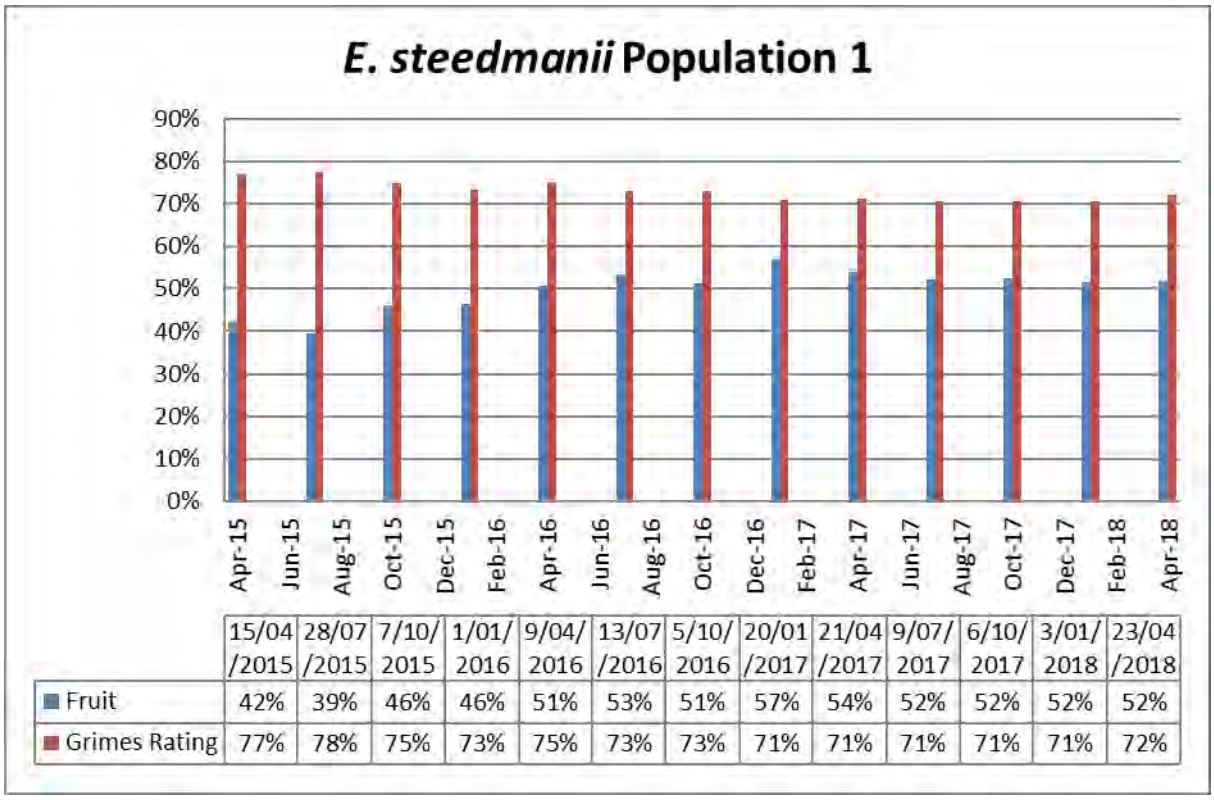


Figure 2: Health and Reproduction Graph (Population 1)

4.3.2. Population 2

Since April 2015 and using the grimes rating method, Population 2 has decreased in health by ~ 7% and is due to a lower score in branches and epicormic growth. It was noted in July 2015 that some of the trees in the population had snapped canopy branches or were leaning sideways which is thought to have been from strong winds as no signs of man-made disturbance was visible. Overall fruit abundance increased by 2% with majority being mature. Dodder is present in 4 of the 35 monitored

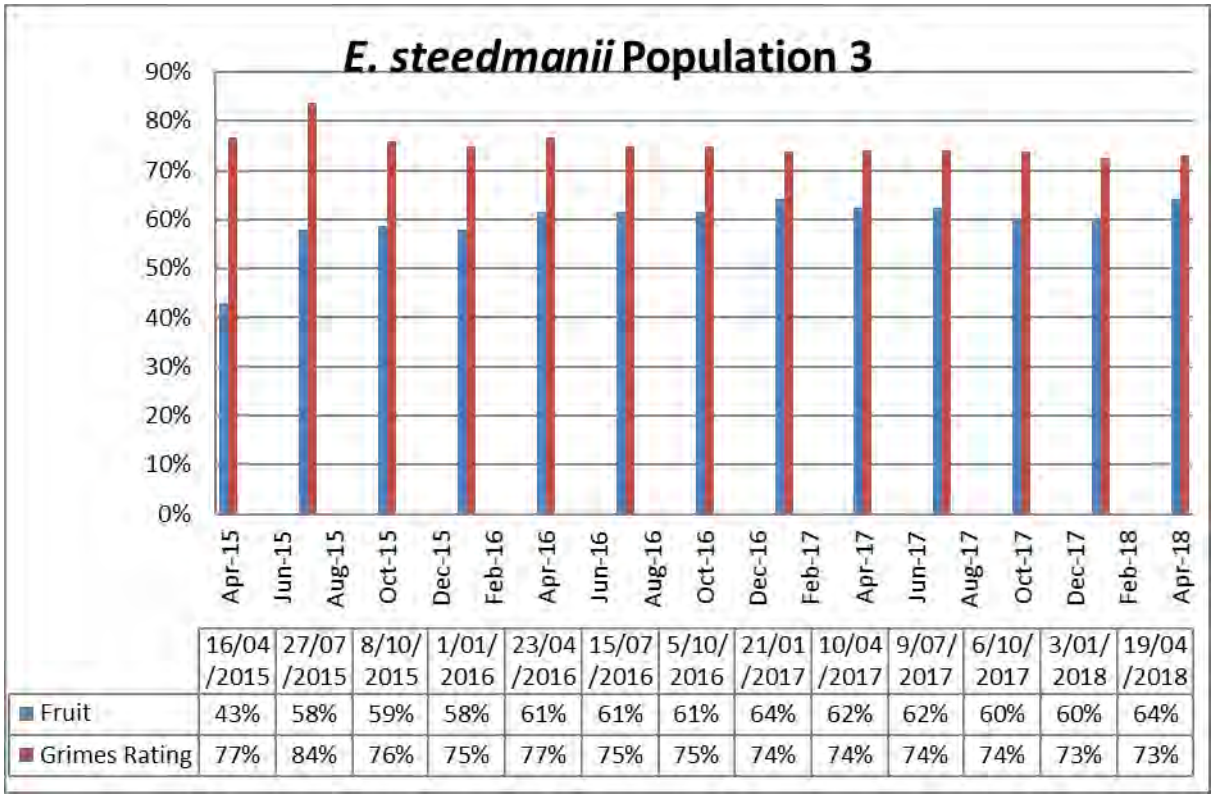
trees (11%) and a total of 4 trees (11%) have been recorded as dead since monitoring began. Population 2 is considered a control population for dust deposition monitoring for the Spotted Quoll project.

	Apr-15	Jul-15	Oct-15	Jan-16	Apr-16	Jul-16	Oct-16	Jan-17	Apr-17	Jul-17	Oct-17	Jan-18	Apr-18
Fruit	49%	62%	59%	58%	59%	62%	60%	65%	47%	52%	53%	56%	49%
Grimes Rating	75%	71%	68%	66%	65%	68%	67%	68%	64%	64%	60%	64%	69%

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 WAL installed in 2010 to deter personnel entering the Environmentally Sensitive Area. The grime's health rating for Population 3 has remained relatively stable and only decreased by ~4%. This is due to a lower rating in density, branches and epicormics growth for two trees, one which died between October 2016 and January 2017 and another which could not be identified during monitoring due to tagging issues (tag came loose and could not be found). Fruit abundance has increased by 21% (increasing from 43% to 64%) with the latest record showing approximately three quarters identified as mature. There are 38 trees monitored within four transects for this population.



	16/04/2015	27/07/2015	8/10/2015	1/01/2016	23/04/2016	15/07/2016	5/10/2016	21/01/2017	10/04/2017	9/07/2017	6/10/2017	3/01/2018	19/04/2018
Fruit	43%	58%	59%	58%	61%	61%	61%	64%	62%	62%	60%	60%	64%
Grimes Rating	77%	84%	76%	75%	77%	75%	75%	74%	74%	74%	74%	73%	73%

Figure 4: Health and Reproduction Graph (Population 3)

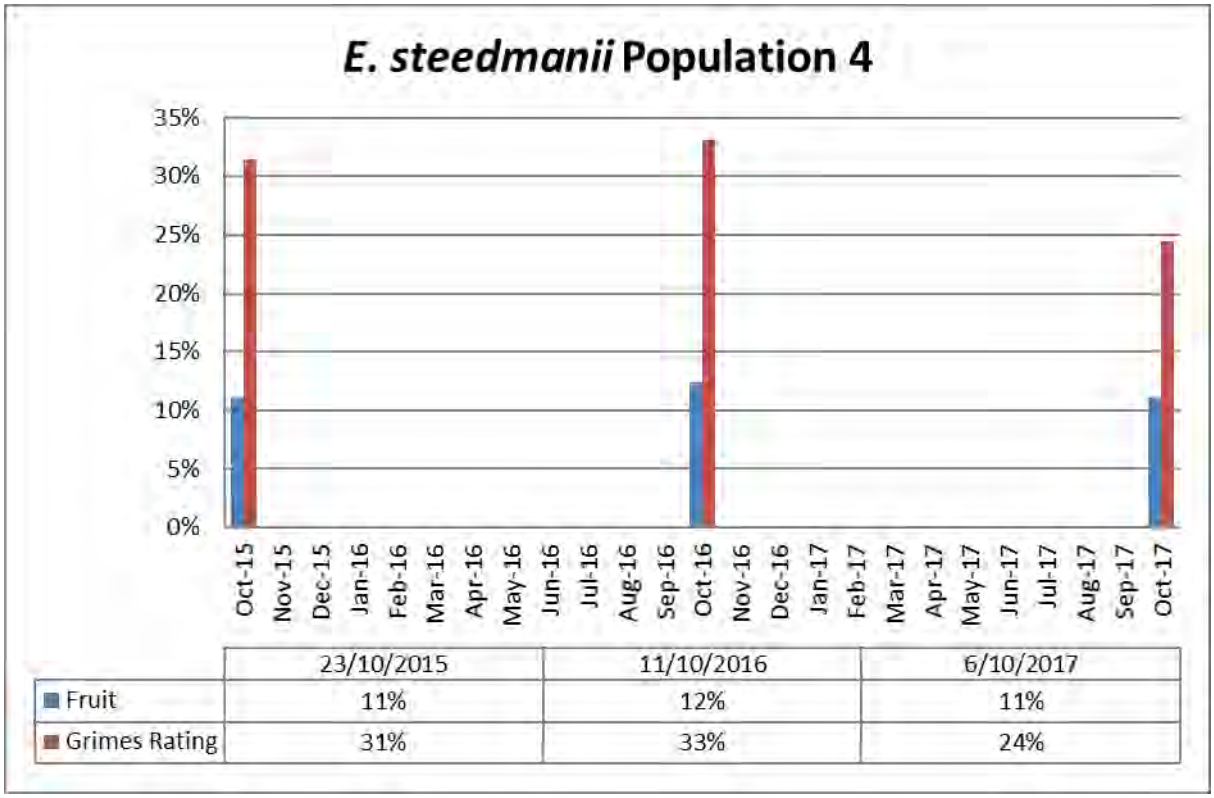
4.3.4. Populations 4 and 5

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 remained relatively stable (decreased by ~7%). Fruit abundance is averaged at 11% consisting of both mature (7%) and immature (5%) fruit.

Grimes rating health for Population 5 has remained relatively stable (decreased by ~4%). Fruit abundance is averaged at 11% consisting of both mature (6%) and immature (4%) fruit.

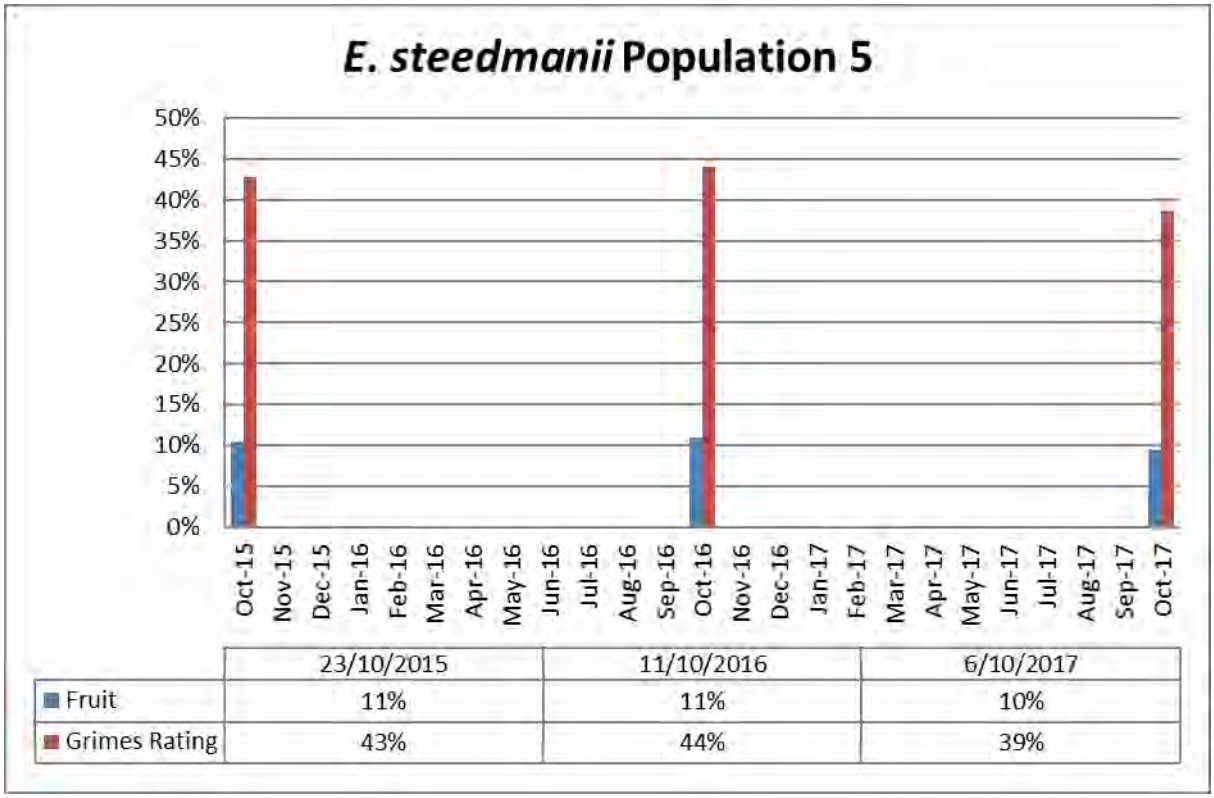
One of the challenges whilst monitoring trees within transects for Populations 4 and 5 was tree identification. A significant number of trees; 54% within Population 4 transects and 37% within Population 5 transects; could not be verified due to no tags being present (come loose or disintegrated). Hence the average grimes rating - 32% for Population 4 and 43% for Population 5 – are lower than Populations 1, 2, 3 and 7.



	23/10/2015	11/10/2016	6/10/2017
Fruit	11%	12%	11%
Grimes Rating	31%	33%	24%

Figure 5: Health and Reproduction Graph (Population 4)

Population 5



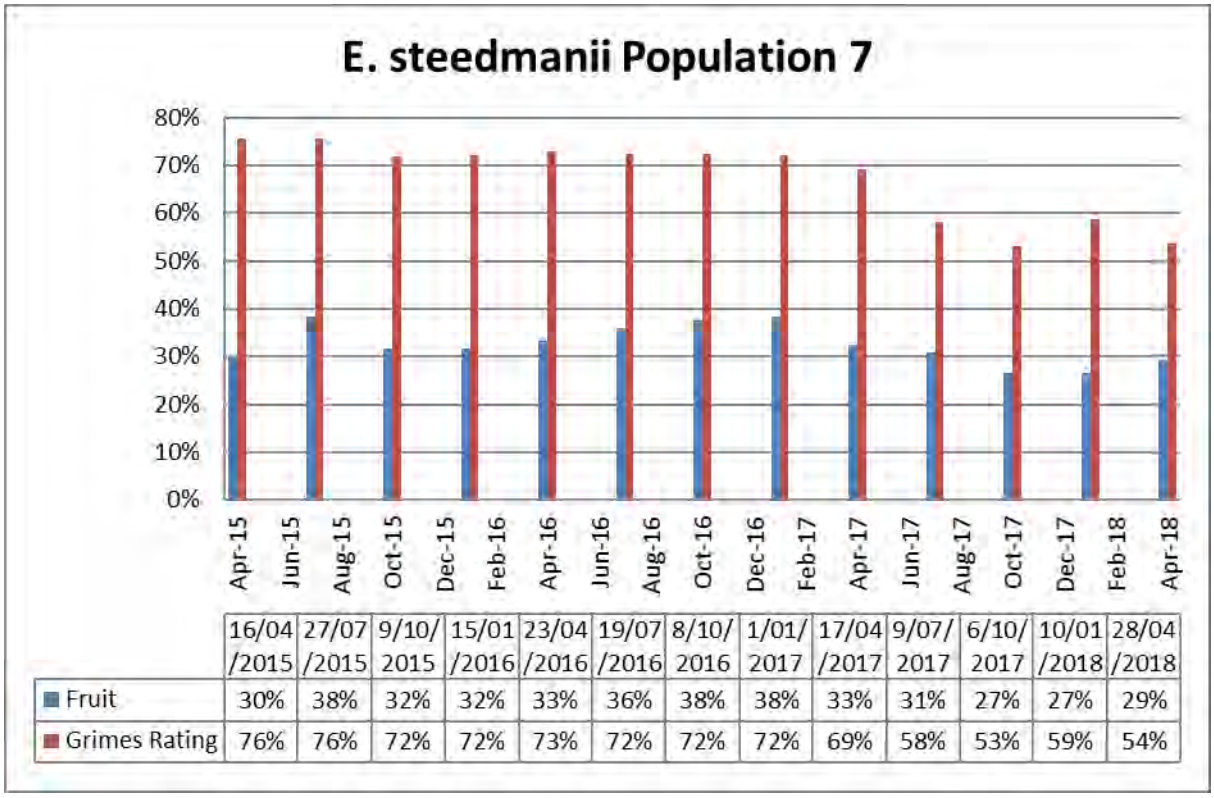
	23/10/2015	11/10/2016	6/10/2017
Fruit	11%	11%	10%
Grimes Rating	43%	44%	39%

Figure 6: Health and Reproduction Graph (Population 5)

4.3.5. Population 7

Population 7 has decreased in health by ~22% since using the grimes rating method. The last year has showed a similar rate of a decrease, ~15% to the 2016-2017 monitoring season since the discovery of Dieback occurrence (*Phytophthora boodjera*) during 2017/18. This has been reported to DWER (EPA Services) during 2017, while the death of additional trees has been recorded since then. Fruit abundance has remained stable with majority being rated as mature. Population 7 is considered a control population for dust deposition monitoring for the Spotted Quoll project.

Subsequent investigations have been undertaken, with the assistance of expert consultants, during the reporting year. It is expected that Dieback occurrence mapping and a management plan will be developed and implemented within the forthcoming reporting year in order to manage this newly discovered environmental risk.



	16/04/2015	27/07/2015	9/10/2015	15/01/2016	23/04/2016	19/07/2016	8/10/2016	1/01/2017	17/04/2017	9/07/2017	6/10/2017	10/01/2018	28/04/2018
Fruit	30%	38%	32%	32%	33%	36%	38%	38%	33%	31%	27%	27%	29%
Grimes Rating	76%	76%	72%	72%	73%	72%	72%	72%	69%	58%	53%	59%	54%

Figure 7: 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. Monitoring was undertaken quarterly and samples analysed for dust deposition (g/m2/month) and metals (Arsenic, Cadmium, Chromium, Lead, Manganese, Nickel, Vanadium).

Dust deposition results have been presented in Table 8. Monitoring results have not exceeded the specified variation of greater than two standard deviations of the mean, as per the trigger for compliance reporting described within the *E. steedmanii* Management Plan as seen in Table 7 (*E. steedmanii* management plan WAL, 2014).

Table 7: Average Dust Deposition standard deviations (mg/m2/month)

	SQMP01	SQMP02	SQMP06	SQMP09	SQMP11
Average	2.66	1.90	2.82	1.85	4.17
1 Std Dev	5.84	1.50	2.05	1.56	9.23
2 Std Dev	11.68	3.01	4.09	3.11	18.47

Table 8: Dust Deposition Results (mg/m2/month)

Year	Quarter	SQMP01	SQMP02	SQMP06	SQMP09	SQMP11
2017	Qtr3	2.0	1.9	2.0	2.3	2.1
	Qtr4	2.7	2.5	3.6	2.6	2.5
2018	Qtr1	2.2	1.9	4.2	1.7	2.0
	Qtr2	2.1	2.7	3.7	1.5	1.4

Metal results showed concentrations of chromium, manganese, nickel and vanadium. Arsenic, cadmium and lead were not recorded above the LOR during the reporting period. Metals results have been presented in **Error! Not a valid bookmark self-reference.**9 for the annual year and nickel was highest in the fourth quarter of 2017 at SQMP06.

Table 9: Dust Deposition Metal (mg/m2/month) Results

Dust Dep Gauge	Parameter	2017		2018	
		Qtr3	Qtr4	Qtr1	Qtr2
SQMP01	Arsenic	<0.16	<0.16	<0.16	<0.16
	Cadmium	<0.02	<0.02	<0.02	<0.02
	Chromium	0.14	0.17	0.10	0.20
	Lead	<0.16	<0.16	<0.16	<0.16
	Manganese	0.23	0.27	0.30	0.54
	Nickel	5.28	2.83	2.17	0.80
	Vanadium	<0.02	<0.02	<0.02	<0.02
SQMP02	Arsenic	<0.16	<0.16	<0.16	<0.16
	Cadmium	<0.02	<0.02	<0.02	<0.02
	Chromium	0.14	0.18	0.05	0.24
	Lead	<0.16	0.18	<0.16	<0.16
	Manganese	0.25	0.28	0.22	0.54
	Nickel	1.46	1.73	0.74	0.79
	Vanadium	<0.02	<0.02	<0.02	<0.02
SQMP06	Arsenic	<0.16	<0.16	<0.16	<0.16
	Cadmium	<0.02	<0.02	<0.02	<0.02
	Chromium	0.28	0.54	0.43	0.40
	Lead	<0.16	<0.16	<0.16	<0.16
	Manganese	0.52	2.23	1.31	0.72
	Nickel	1.9	5.87	5.8	2.67
	Vanadium	<0.02	<0.02	0.17	0.15
SQMP09	Arsenic	<0.16	<0.16	<0.16	<0.16
	Cadmium	<0.02	<0.02	<0.02	<0.02

Dust Dep Gauge	Parameter	2017		2018	
		Qtr3	Qtr4	Qtr1	Qtr2
	Chromium	0.13	0.13	0.07	0.09
	Lead	<0.16	0.22	<0.16	<0.16
	Manganese	0.37	0.25	0.32	0.30
	Nickel	2.66	1.01	0.95	0.54
	Vanadium	<0.02	<0.02	<0.02	<0.02
SQMP11	Arsenic	<0.16	<0.16	<0.16	<0.16
	Cadmium	<0.02	<0.02	<0.02	<0.02
	Chromium	0.20	0.17	0.08	0.09
	Lead	<0.16	0.22	<0.16	<0.16
	Manganese	0.35	0.21	0.32	0.27
	Nickel	3.70	2.73	1.37	0.96
	Vanadium	<0.02	<0.02	<0.02	<0.02

4.5. Dust Deposition DRF

During quarterly monitoring of *E. steedmanii* along transects, a 1 to 5 rating (Table 10) for the quantity of dust deposition on each *E. steedmanii* that intersects transects was recorded (Table 11). All trees within transects during the annual period had no visible dust on leaves when rubbed or shaken.

Table 10: 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 11: *E. steedmanii* Dust Deposition Rating

Date	Population 1	Population 2	Population 3	Population 4	Population 5	Population 7
Jul-17	1	1	1	1	1	1
Oct-17	1	1	1	1	1	1
Jan-18	1	1	1	1	1	1
Apr-18	1	1	1	1	1	1

4.6. Fuel Loading

Annual fuel-loading assessments were undertaken in the areas surrounding the Spotted Quoll operations (Table) and Figure 8. WSA have also consulted with DPaW and DFES to consider appropriate management options. The Bushfire Management Plan for Forrestania was revised in 2018.

Table 12: 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		60	85	40	70
	Mean litter depth in 2m radius		25	32.2	18.5	24.5
	Calculate d fuel tonnage t/ha		7.5	13.7	3.7	8.6
Scrub Fuels	0.0 - 0.5m	Fuel Moisture	B/line	B/line	B/line	B/line
		% Cover	30	20	30	30
	Calculate d fuel tonnage t/ha		1.5	1.0	1.5	1.5
	0.5-1.0m	Fuel Moisture	B/line	B/line	B/line	B/line
		% Cover	15	5	5	2
	Calculate d fuel tonnage t/ha		0.8	0.3	0.3	0.1
	1.0-1.5m	Fuel Moisture	B/line	B/line	B/line	B/line
		% Cover	5	2	2	1
	Calculate d fuel tonnage t/ha		0.3	0.1	0.1	0.1
	1.5-2.0m	Fuel Moisture	B/line	B/line	B/line	B/line
		% Cover	5	2	2	1
	Calculate d fuel tonnage t/ha		0.3	0.1	0.1	0.1
	>2.0m	Fuel Moisture	B/line	B/line	B/line	B/line
		% Cover	5	1	1	1
		Max Height	5.5	6.5	3.0	4.5
	Calculated fuel tonnage t/ha		0.3	0.1	0.1	0.1

Figure 8: Fuel Load Monitoring Point SQFL06

4.7. Miscellaneous Potential Threats

Whilst undertaking monitoring; WAL recorded the location and extent of any unintentional clearing, saline water spillage, fire or fire management activity or uncontrolled vehicle access where *E. steedmanii* is 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 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 with no evidence suggesting a decline in population health from identified potential threats (vegetation or unintentional clearing, mining activities, saline water use and spillage, and fire management) during the operation of the Spotted Quoll mine.

However; WAL environmental staff noted a decline in population 7 health during the last year which is thought to be from a pathogenic infection identified as *Phytophthora boodjera*. Subsequent investigations have been undertaken, with the assistance of expert consultants, during the reporting year. It is expected that Dieback occurrence mapping and a management plan will be developed and implemented within the forthcoming reporting year in order to manage this newly discovered environmental risk.

6. Appendices

6.1. Appendix 1 - Photo Monitoring

TI-7-S
9:01 9/JUL/2017

TI-7-E

TI-8-S
9:25 9/JUL/2017

TI-8-E
9:19 9/JUL/2017

TI-5-S

TI-5-E
9:44 9/JUL/2017

TI-4-S
10:27 9/JUL/2017

TI-4-E
10:16 9/JUL/2017

TI-6-S
10:38 9/JUL/2017

TI-6-E

TI-2-S
10:47 9/JUL/2017

TI-2-E

TI-3-S
10:54 9/JUL/2017

TI-3-E

TI-4-S
11:20 9/JUL/2017

TI-4-E

T3-2-E

T3-1-S
11:48 9/JUL/2017

T3-3-S

T3-4-S
11:56 9/JUL/2017

T3-3-S

8:04 6/OCT/2017

T3-4-S
8:13 6/OCT/2017

8:14 6/OCT/2017

T3-1-S

T3-2-E

TI-4-S

T1-S
9:58 7/OCT/2017

T1-E

T3-3-S
8:05 3/JAN/2018

T3-E
8:00 3/JAN/2018

T3-4-S

T3-E
8:14 3/JAN/2018

T3-5-S
8:20 3/JAN/2018

T3-E
8:28 3/JAN/2018

TI-4-S

T3-3-S

T3-4-S
12:24 19/APR/2018

T3-1-S

T1-2-E
13:19 19/APR/2018

T1-5-E
9:35 23/APR/2018

13:20 19/APR/2018

T1-2-E

T1-2-S
10:16 23/APR/2018

T1-6-S
10:24 23/APR/2018

TI-4-S

Appendix 2 - Raw Data

6.1.1. July 2017 Field Sheets

Date: 9-7-17

Name/s: A. Harris & R. McCarron

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	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
	9.6 (1)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	9.6 (2)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	9.6 (3)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	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	0	X	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	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
	19.7	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	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	X	1	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	X	3	0	X	2	3	1	3	5	X	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	24.8 (2)	X	2	3	4	5	0	1	2	X	0	1	X	3	X	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	
	24.8 (3)																																Dead
	24.8 (4)	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	
	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	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder Disease/pest
	27.6	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	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	X	2	3	0	X	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	33.1 (3)	X	2	3	4	5	0	1	X	3	X	X	2	3	0	1	X	3	1	X	5	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	2	X	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Loose Tag
	36.4	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 (1)	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 (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	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
	40.4 (4)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	40.4 (5)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	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	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
	48.7	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	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

Date: 9-7-17

Name/s: A. Harris & R. McCarron

Population 1
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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-2	5.6 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder ✓
	5.6 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder ✓
	8.8	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder ✓
	14.2 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	14.2 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	17.8	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	24.5 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	24.5 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	24.5 (3)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: A. Harris & R. McCarron

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-3	1.4	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder ✓
	24	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 ✓
	26.1 (1)	X	2	3	4	5	0	X	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 ✓
	26.1 (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	X	5	1.5	2	2.5	X	Dodder
	26.1 (3)																																Dead } delete
	27.7 (1)	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder ✓
	27.7 (2)	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	7	9	1	2	X	4	5	1.5	2	2.5	X	Dodder ✓
	32.7 (1)	X	2	3	4	5	X	✓	2	3	X	X	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder X
	32.7 (2)	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	34.4 (1)	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	
	34.4 (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	
	35.1	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	38.7	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	
	47.3 (1)	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	
	47.3 (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	
	47.3 (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	

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

☐ = Previous Quarters Result

Date: 19-7-17

Name/s: A. Harris & R. McCarron

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	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	
T1-4	2.3	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (1)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (2)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (3)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (4)	1	2	3	4	5	0	1	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (5)	1	2	3	4	5	0	1	2	✓	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (6)	1	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	~~16 (7)~~	1	2	3	4	5	0	1	✓	3	0	1	2	✓	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	Starting to die, leaves brown Paul
	18.6	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	21	✓	2	3	4	5	0	✓	2	3	0	1	2	✓	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	21.7	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	22.9	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	✓	2	3	1	3	✓	✓	9	1	2	3	4	✓	1.5	2	2.5	3	
	24.1	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	
	34 (1)	1	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	Dodder
	34 (2)	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	
	37.3 (1)	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	2	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	37.3 (2)	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	43.4	1	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	
	44.8	1	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: A. Harris & R. McCarron

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	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	
T1-5	24.2	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
	30.1	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
	44.1	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

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: A. Harris & R. McCarron

Population 1
Transect 6

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	
T1-6	4.8																															Dead
	11.7 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	11.7 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	13.1	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	19.4 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	19.4 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	21.6 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	21.6 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	23.1	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	34.5	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder, Small Tree (2m)

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: A. Harris & R. McCarron

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	X	2	3	4	5	0	1	2	X	0	1	2	3	X	1	2	3	1	3	5	X	9	1	2	3	4	5	1.5	2	2.5	X	
	15.5	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	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	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	X	3	0	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	3	0	1	X	3	X	1	2	3	1	3	5	X	9	1	2	3	4	X	1.5	2	2.5	X	
	31.4	X	2	3	4	5	0	1	X	3	0	X	2	3	0	X	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	33.7 (1)	X	2	3	4	5	0	X	2	3	X	1	2	3	0	X	2	3	1	X	5	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	3	0	X	2	3	0	X	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	36 (1)	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	
	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	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder. Starting to die, leaves brown Tree is dea
	46.4 (1)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	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	X	1	2	3	1	X	5	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	3	0	1	X	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	46.4 (4)	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	
	46.4 (5)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	47.9	1	2	3	4	5	0	1	X	3	0	X	2	3	0	X	2	3	1	X	5	7	9	1	2	3	X	5	1.5	2	2.5	X	Dodder
	49.4	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	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

Lots of dead trees?

Date: 9-9-17

Name/s: A. Harris & R. McCarron

Population 1
Transect 8

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	
T1-8	1.3	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	7	9	1	2	3	X	5	1.5	2	2.5	X	Dodder
	18	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	
	22.7	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	
	34.2 (1)	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	X	5	1.5	2	2.5	X	One dead branch, Dodder
	34.2 (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	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	
	40.8	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	

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

☐ = Previous Quarters Result

Date: 9.7.17

Name/s: RM & 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	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	
T2-1	4.1 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	4.1 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	4.1 (3)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	8.9 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	8.9 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	14.3	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	19	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	22.6	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	26 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	26 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	30.5 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	30.5 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	30.5 (3)																																Dead
	35.4	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	46.8 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	46.8 (2)																																Dead
	46.8 (3)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	

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

Date: 9.7.17

Name/s: RM & 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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T2-2	15.6 (1)	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	15.6 (2)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	✓	3	4	5	1.5	2	✓	3	
	20.8 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	✓	3	5	7	9	1	✓	3	4	5	1.5	✓	2.5	3	Pushed over
	20.8 (2)																																Dead ✓
	26.7	1	2	3	4	5	0	✓	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	30.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	36	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓	
	37.8 (1)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	37.8 (2)																																Dead ✓
	50	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	

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

☐ = Previous Quarters Result

Date: 9.7.17

Name/s: RM & AW

Population 2

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T2-3	8.2	1	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	
	28.8	1	2	3	4	5	0	1	✓	3	0	1	2	✓	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	36.5	1	2	3	4	5	0	✓	2	3	0	1	✓	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	38.6	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	42.7 (1)	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	5	✓	9	1	2	3	✓	✓	1.5	2	2.5	✓	
	42.7 (2)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	✓	✓	1.5	2	2.5	✓	
	46.5	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	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: 9.7.17

Name/s: Ross McCarron & Ashleigh Harris

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-1	1.9	1	2	3	4	5	1	1	2	3	0	1	2	3	1	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	3.8	1	2	3	4	5	0	1	2	3	0	1	2	3	1	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	5.3 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	5.3 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	9.2	1	2	3	4	5	0	1	2	3	0	1	2	3	1	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	17	1	2	3	4	5	0	1	2	3	0	1	2	3	1	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	18.5	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	19.2	1	2	3	4	5	1	1	2	3	1	1	2	3	1	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	42.7	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	47.7 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	1	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	47.7 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50 (3)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50 (4)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50 (5)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: Ross McCarron & Ashleigh Harris

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-2	2.4 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	2.4 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	5																																Dead
	7.2	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	✓	4	5	1.5	2	2.5	✓	
	36.9	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	40.2	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	
	42.9	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	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: 9.7.17

Name/s: Ross MCCarron & Ashleigh Harris

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-3	5.5	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	6.9 (1)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	6.9 (2)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	7.4	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	8.4	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	10.4	1	2	3	4	5	✓	1	2	3	✓	1	2	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	23.3	1	2	3	4	5	0	1	2	✓	0	✓	2	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	5	1.5	2	2.5	3	
	44.8	1	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	5	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

Date: 8.7.17

Name/s: Ross + Ash

Population 3
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		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	
T3-4	3.3	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	13.3 (1)	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	13.3 (2)	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	13.3 (3)	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	19.8	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	37.9	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	48.4	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
																																					Being bumper for sign

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: A. Harris & R. McCarron

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T7-1	4.8 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	4.8 (2)																																Dead
	7.8	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dead
	11.5 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	11.5 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	14.3 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	14.3 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	14.3 (3)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	14.3 (4)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	17.8	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	20.7 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	20.7 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	22.3	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	27.9																																Dead
	28.7	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dead
	33.5	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	44.3	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: AH & R.M

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	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	
T7-2	3.8	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	5.1 (1)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	5.1 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	7.5	✓	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	✓	
	17.4 (1)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	17.4 (2)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	33.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	39.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	43.7	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	✓	4	5	1.5	✓	2.5	3	Growing fungus? leaves eaten?

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: AH & 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	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	
T7-3	3.1	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	1	2.5	3	
	5.5 (1)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	1	2.5	3	
	5.5 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	1	2.5	3	
	20.6	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	1	2.5	3	Dead
	44.7 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	1	2.5	3	
	44.7 (2)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	1	2.5	3	
	44.7 (3)	✓	2	3	4	5	0	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	1	2.5	3	Dead
	44.7 (4)	✓	2	3	4	5	0	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	1	2.5	3	Dead
	44.7 (5)	✓	2	3	4	5	0	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	1	2.5	3	Dead
	44.7 (6)	✓	2	3	4	5	0	✓	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	5	1.5	1	2.5	3	
	44.7 (7)																																Dead ✓
	44.7 (8)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	44.7 (9)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	Dead ✓
	47.1	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

6.1.2. October 2017 Field Sheets

Date: 6-10-17

Name/s: CAS AHL

Population 1
Transect 1

Transect	Tree No.	Dirvl Rating					Fruit				Mature			Immature			Crown Density			Dead Branches				Crown Epicormic Growth				Comment
		Acceptable	Low	Moderate	High	Extreme	Absent	Rare	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 in Crown Terminal Only	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-1	3																															Dodder
	9.6 (1)																															Dodder
	9.6 (2)																															Dodder
	9.6 (3)																															Dodder
	10.5																															
	14.8																															Dodder
	19.7																															
	21.5																															
	24.8 (1)																															Dodder
	24.8 (2)																															
	24.8 (3)																															Dead
	24.8 (4)																															
	24.8 (5)																															
	26.3 (1)																															Dodder
	26.3 (2)																															
	27.6																															
	33.1 (1)																															Dodder
	33.1 (2)																															
	33.1 (3)																															
	33.1 (4)																															Loose Tag
	35.4																															Dodder
	40.4 (1)																															Dodder
	40.4 (2)																															
	40.4 (3)																															
	40.4 (4)																															
	40.4 (5)																															Dodder
	46																															
	49.7																															Dodder

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

☐ - Previous Quarters Result

■

Date:

Name/s:

Population 1
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	
T1-2	5.6 (1)	X								X			X				X				X						X				X	Dodder
	5.6 (2)	X								X			X				X				X						X				X	Dodder
	8.8	X								X			X				X				X						X				X	Dodder
	14.2 (1)	X								X			X				X				X						X				X	
	14.7 (2)	X								X			X				X				X						X				X	Need to remove this tree next time
	17.8	X								X			X				X				X					X					X		
	24.5 (1)	X								X			X				X				X						X				X	
	24.5 (2)	X								X			X				X				X						X				X	
	24.5 (3)	X								X			X				X				X						X				X	

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

☐ – Previous Quarters Result

Date:

Name/s:

Population 1

Transect 3

Transect	Tree No.	Dust Rating					Fruit					Mature					Immature					Crown Density					Dead Branches					Crown				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	Majority 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																																		Dodder
	24																																		Dodder
	26.1 (1)																																		Dodder
	26.1 (2)																																		Dodder
	26.1 (3)																																		Dead
	27.7 (1)																																		Dodder
	27.7 (2)																																		Dodder
	32.7 (1)																																		Dodder
	32.7 (2)																																		
	34.4 (1)																																		
	34.4 (2)																																		
	35.1																																		
	38.7																																		
	47.3 (1)																																		
	47.3 (2)																																		
	47.3 (3)																																		

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

☐ = Previous Quarters Result

Date:

Name/s.

Population 1
Transect 4

Transect	Tree No.	Dust Rating					Fruit				Mature				Immature				Crowns 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 (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-4	2.3	X								X				X				X				X					X				X	
	16 (1)	X							X				X				X				X					X				X		
	16 (2)	X						X				X				X					X				X				X			
	16 (3)	X						X				X				X					X					X				X		
	16 (4)	X							X				X		X					X						X				X		
	16 (5)	X							X				X				X				X					X				X		
	16 (6)	X							X				X				X				X					X				X		
	16 (7)	X							X				X				X				X					X				X	Starting to die, leaves all wet	
	18 6	X							X				X				X				X					X				X		
	21	X					X				X				X						X			X						X		
	21 7	X						X				X				X					X				X					X		
	22.9	X						X				X				X					X				X					X		
	24 1	X						X				X				X					X				X					X		
	34 (1)	X						X				X				X					X				X					X		
	34 (2)	X							X				X				X				X				X					X		
	37.3 (1)	X					X				X				X						X			X						X		
	37.3 (2)	X					X				X				X						X			X						X		
	43.4	X						X				X				X					X				X					X		
	44.8	X						X				X				X					X				X					X		

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

☐ = Previous Quarters Result

Date:

Name/s:

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	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	24.1																															Dodder
	30.1																															Dodder
	44.1																															Dodder

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

☐ = Previous Quarters Result

Date: 6/10/17

Name/s: CMS AHL

Population 1
Transect 6

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	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	
T1-6	4.8																														Dead
	11.7 (1)	X					X					X		X					X							X				X	Dodder
	11.7 (2)	X						X				X		X						X						X				X	Dodder
	13.1	X							X			X			X					X				X						X	Dodder
	19.4 (1)	X							X			X			X					X					X					X	Dodder
	19.4 (2)	X							X				X		X					X					X					X	Dodder
	21.6 (1)	X					X					X		X				X							X					X	Dodder
	21.6 (2)	X					X					X		X				X							X					X	Dodder
	23.1	X						X				X		X					X						X					X	Dodder
	34.5	X					X					X		X					X						X					X	Dodder, Small Tree (2m)

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

[ ] = Previous Quarters Result

Date:

Name/s:

Population 1

Transect 7

Transect	Tree No.	Dust Rating					Fruit					Mature				Immature				Crown Density				Dead Branches				Crown				Comment
		Negligible	Low	Moderate	High	Extreme	Absent	Scarce	Common	Abundant		Absent	Scarce	Common	Abundant	Absent	Scarce	Common	Abundant	Very Sparse	Sparse	Average	Dense	Loss 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																															
	15.5																															
	23.6																															
	28.5 (1)																															
	28.5 (2)																															
	31.4																															
	33.7 (1)																															Dodder
	33.7 (2)																															Dodder
	36 (1)																															
	36 (2)																															Dodder
	38																															Dead
	46.4 (1)																															
	46.4 (2)																															Dodder
	46.4 (3)																															
	46.4 (4)																															
	46.4 (5)																															
	47.9																															
	49.4																															

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

☐ = Previous Quarters Result

Date: 06-10-17

Name/s: CAS AHe

Population 1

Transect 8

Transect	Tree No.	Dust Rating					Fruit				Mature				Immature				Crown Density				Dead Branches				Crown Epicormic Growth				Comment
		Negligible	Low	Moderate	High	Extreme	Absent	Sparse	Common	Abundant	Absent	Sparse	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 Corner (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-8	1.3	X					X				X				X					X						X						Dodder
	18	X							X				X			X					X					X					X	
	22.7	X						X				X				X					X					X					X	
	34.2 (1)	X						X				X				X					X					X					X	One dead branch, Dodder
	34.2 (2)	X						X				X				X					X					X					X	Dodder
	38	X						X				X			X						X					X					X	
	40.8	X					X				X				X						X					X					X	

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

☐ – Previous Quarters Result

Date: 5-10-17

Name/s: CAS AHC

Population 2

Transect 1

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

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

☐ – Previous Quarters Result

Date: 6.10.17

Name/s: AMe CMS

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)	X							X				X		X						X				X						X	
	15.6 (2)	X							X				X		X					X					X					X		
	20.8 (1)	X						X				X			X				X				X					X				
	20.8 (2)																															Dead
	26.7	X						X				X			X						X				X						X	
	33.5	X					X				X				X				X						X	X					X	
	36	X						X				X			X						X				X						X	
	37.8 (1)	X						X			X					X					X				X					X		
	37.8 (2)																															Dead
	50	X							X				X				X				X				X						X	

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

☐ – Previous Quarters Result

Date:

Name/s:

Population 2

Transect 3

Transect	Tree No.	Dust Rating					Fruit					Mature				Immature				Crown Density				Dead Branches					Crown				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	Mass 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	
T2-3	8.2	X								X				X	X						X							X	1.5				
	28.8	X								X				X	X						X							X	1.5				
	36.5	X							X					X	X						X							X	1.5				
	38.6	X						X				X			X						X							X	1.5				
	42.7 (1)	X						X				X			X						X							X	1.5				
	42.7 (7)	X						X				X			X						X							X	1.5				
	46.5	X						X				X			X						X							X	1.5				

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

Previous Quarters Result

Date: 6-10-17

Name/s: AH + SJ

Population 3
Transect 1

Transect	Tree No.	Dwd Rating					Fruit				Mature				Immature				Crown Density				Dead Branches				Crown Epicormic Growth				Comment
		Available	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)	Tips of Crown (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-1	1.9	X					X				X				X					X							X					X	
	3.8	X						X				X			X					X				1				X				X	
	5.3 (1)	X							X				X			X				X				1				X				X	
	5.3 (2)	X						X				X				X				X				1				X				X	
	9.2	X							X				X			X				X				1				X				X	
	17	X							X				X			X				X				1				X				X	
	18.5	X						X				X				X				X				1				X				X	
	19.2	X					X				X				X					X				1				X				X	
	42.7	X						X				X				X				X				1				X				X	
	47.7 (1)	X						X				X				X				X				1				X				X	
	47.7 (2)	X						X				X				X				X				1				X				X	
	50 (1)	X						X				X				X				X				1				X				X	
	50 (2)	X						X				X				X				X				1				X				X	
	50 (3)	X						X				X				X				X				1				X				X	
	50 (4)	X						X				X				X				X				1				X				X	
	50 (5)	X						X				X				X				X				1				X				X	

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

☐ : Previous Quarters Result

Date:

Name/s:

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)	X	2	3	4	5	0	1	X	3	0	1	X	3	0	X	2	3	1	3	5	X	9	1	2	3	4	X	1.5	2	2.5	X	
	2.4 (2)	X	2	3	4	5	0	X	X	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	
	5																																Dead C. Forrest obs.
	7.2	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	7	9	1	2	X	4	5	1.5	2	X	X	
	36.9	X	2	3	4	5	0	1	2	X	0	1	X	3	0	X	2	3	1	3	5	X	9	1	2	3	4	X	1.5	2	2.5	X	
	40.2	X	2	3	4	5	0	1	2	X	0	1	X	3	0	X	2	3	1	3	5	X	9	1	2	3	X	5	1.5	2	2.5	X	
	42.9	X	2	3	4	5	0	1	2	X	0	1	X	3	0	X	2	3	1	3	5	X	9	1	2	3	X	5	1.5	2	2.5	X	

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

☐ = Previous Quarters Result

Date:

Name/s:

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)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-3	5.5	X					0	1	X		0	X			0	X			1		X			1			X				X	
	6.9 (1)	X					0		X		0	X			0	X			1		X			1			X				X	
	6.9 (2)	X					0	X			0	X			0	X			1		X			1			X				X	
	7.4	X					0	1	X		0	X			0	X			1		X			1			X				X	
	8.4	X					0	1	X		0	X			0	X			1		X			1			X				X	
	10.4	X					0	X			0	X			0	X			1	X				1			X				X	
	23.3	X					0	1	X		0	X			0	X			1		X			1			X				X	
	44.8	X					0	1	X		0	1	X		0	X			1			X		1			X				X	

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

☐ = Previous Quarters Result

Date:

Name/s:

Population 3
Transect 4

Transect	Tree No.	Dust Rating					Fruit					Mature					Immature					Crown Density					Dead Branches					Crown	Epicormic growth			Comment
		Negligible	Low	Moderate	High	Extreme	Absent	Rare	Common	Abundant		Absent	Rare	Common	Abundant		Absent	Rare	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	
T3-4	3.3								X				X								X			X							X					
	13.3 (1)								X				X								X			X							X					
	13.3 (2)								X				X								X			X							X					
	13.3 (3)								X				X								X			X							X					
	19.8								X				X								X			X							X					
	37.9								X				X								X			X							X					
	48.4								X				X								X			X							X					

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

[ ] = Previous Quarters Result

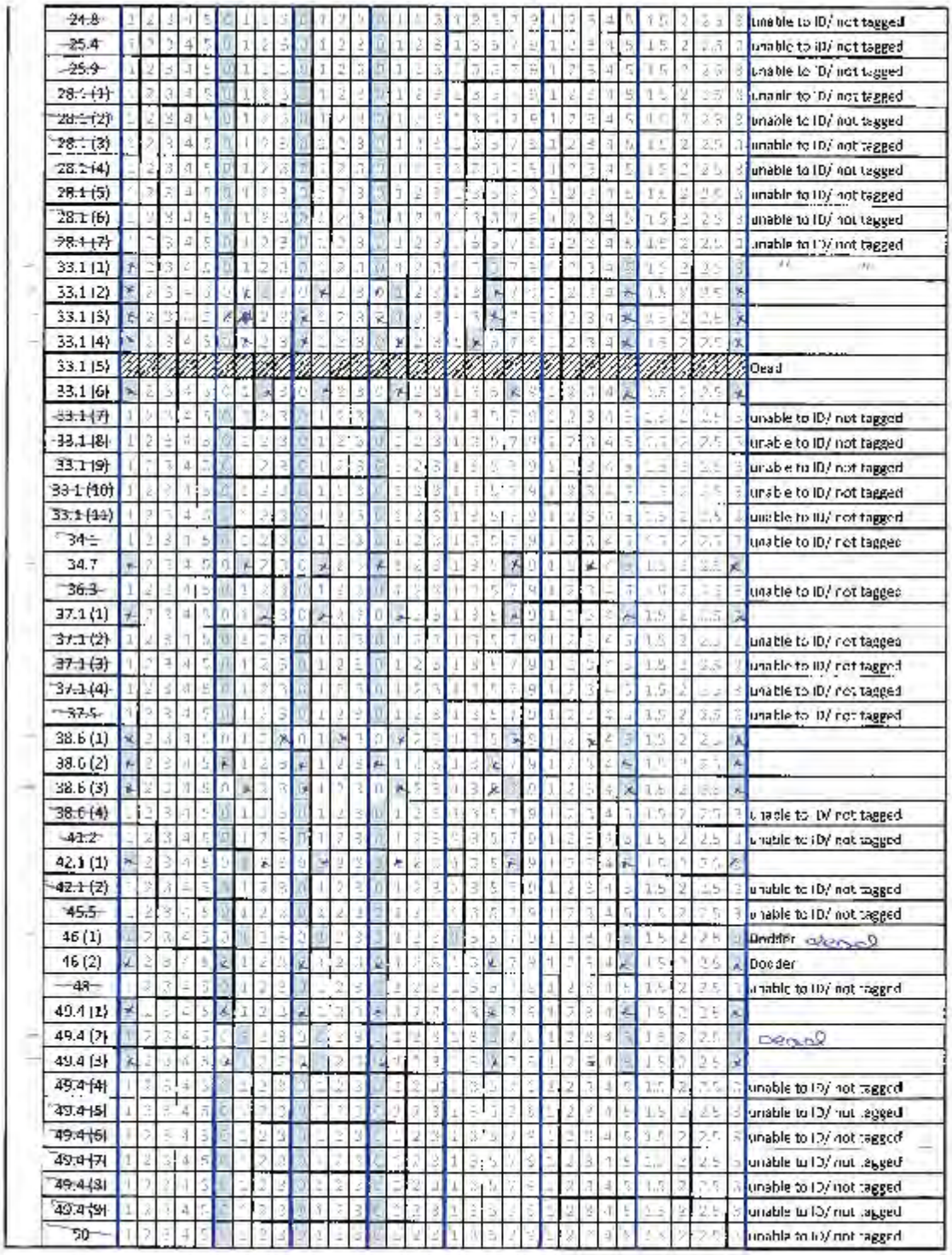
Date: 6-10-17

Name/s: AHe CAJ

Population 4

Transect 1

Transect	Tree No.	Dust Ratin					Fruit				Mature				Immature				Crown De					Dead Brar				Crown		Ep cormi c 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	
T4-1	~~3.1~~	1																														unable to ID/ not tagged
	3.5 (1)																															
	3.5 (2)																															
	3.5 (3)																															Dead
	3.5 (4)																															
	~~6.7~~	1																														unable to ID/ not tagged
	8.9 (1)																															
	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
	~~22.3~~																															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



~~24.8~~	unable to ID/ not tagged
~~25.4~~	unable to ID/ not tagged
~~25.9~~	unable to ID/ not tagged
~~28.1 (1)~~	unable to ID/ not tagged
~~28.1 (2)~~	unable to ID/ not tagged
~~28.1 (3)~~	unable to ID/ not tagged
~~28.1 (4)~~	unable to ID/ not tagged
~~28.1 (5)~~	unable to ID/ not tagged
28.1 (6)	unable to ID/ not tagged
~~28.1 (7)~~	unable to ID/ not tagged
33.1 (1)	
33.1 (2)	
33.1 (3)	
33.1 (4)	
33.1 (5)	Dead
33.1 (6)	
~~33.1 (7)~~	unable to ID/ not tagged
~~33.1 (8)~~	unable to ID/ not tagged
~~33.1 (9)~~	unable to ID/ not tagged
~~33.1 (10)~~	unable to ID/ not tagged
~~33.1 (11)~~	unable to ID/ not tagged
~~34~~	unable to ID/ not tagged
34.7	
~~36.3~~	unable to ID/ not tagged
37.1 (1)	
~~37.1 (2)~~	unable to ID/ not tagged
~~37.1 (3)~~	unable to ID/ not tagged
~~37.1 (4)~~	unable to ID/ not tagged
~~37.5~~	unable to ID/ not tagged
38.6 (1)	
38.6 (2)	
38.6 (3)	
~~38.6 (4)~~	unable to ID/ not tagged
~~42.2~~	unable to ID/ not tagged
42.1 (1)	
~~42.1 (2)~~	unable to ID/ not tagged
~~45.5~~	unable to ID/ not tagged
46 (1)	Dodder
46 (2)	Dodder
~~48~~	unable to ID/ not tagged
49.4 (1)	
49.4 (2)	Dead
49.4 (3)	
~~49.4 (4)~~	unable to ID/ not tagged
~~49.4 (5)~~	unable to ID/ not tagged
~~49.4 (6)~~	unable to ID/ not tagged
~~49.4 (7)~~	unable to ID/ not tagged
~~49.4 (8)~~	unable to ID/ not tagged
~~49.4 (9)~~	unable to ID/ not tagged
~~50~~	unable to ID/ not tagged

Date:

Name/s:

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	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	
T4-2	15.6	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	16.2 (1)	X	2	3	4	5	X	1	2	3	0	X	2	3	X	1	2	3	1	3	X	7	9	1	2	3	X	1.5	1	2.5	X	
	16.2 (2)	X	2	3	4	5	X	1	2	3	0	X	2	3	X	1	2	3	1	3	X	7	9	1	2	3	X	1.5	1	2.5	X	
	19.8	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	20.3	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	23.4	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	23.7	X	2	3	4	5	X	1	2	3	0	1	2	3	0	1	2	3	1	X	5	7	9	1	2	3	4	1.5	X	2.5	3	
	25	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	25.7	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	dead
	31.6	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	32.9 (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	X	1.5	1	2.5	X	bodder
	32.9 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	33.6	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	34.3 (1)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	3	X	7	9	1	2	X	4	1.5	1	2.5	X	Codder
	34.3 (2)	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	X	1.5	1	2.5	X	Codder
	34.3 (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	X	1.5	1	2.5	X	Codder
	35.4	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	36.2 (1)	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	X	1.5	1	2.5	X	Codder
	36.2 (2)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	3	X	7	9	1	2	3	X	1.5	1	2.5	X	Codder
	36.8	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	37.4 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	37.4 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	37.4 (3)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	39.2	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	43.4 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	Codder
	43.4 (2)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	3	X	7	9	1	2	3	X	1.5	1	2.5	X	Codder
	43.4 (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	X	1.5	1	2.5	X	
	43.4 (4)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	3	X	7	9	1	2	3	X	1.5	1	2.5	X	
	43.4 (5)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	3	X	7	9	1	2	3	X	1.5	1	2.5	X	
	43.4 (6)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	3	X	7	9	1	2	3	X	1.5	1	2.5	X	
	43.4 (7)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	3	X	7	9	1	2	3	X	1.5	1	2.5	X	
	43.4 (8)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged
	43.4 (9)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	1.5	1	2.5	3	unable to ID/ not tagged

6.1.3. April 2017 Field Sheets

Date: 21-04-17

Name/s: A. Hefferon

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	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	9.6 (1)	✓	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	✓	Dodder
	9.6 (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	✓	Dodder
	9.6 (3)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	10.5	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.8	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	19.7	✓	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	✓	
	21.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	24.8 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	24.8 (2)	✓	2	3	4	5	0	1	✓	3	0	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	24.8 (3)																																Dead
	24.8 (4)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	24.8 (5)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	26.3 (1)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	26.3 (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	✓	
	27.6	✓	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	✓	
	33.1 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	33.1 (2)	✓	2	3	4	5	0	✓	✓	3	0	✓	2	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	33.1 (3)	✓	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	✓	
	33.1 (4)	✓	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Loose Tag
	36.4	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	40.4 (1)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	40.4 (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	✓	
	40.4 (3)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	40.4 (4)	✓	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	✓	
	40.4 (5)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	46	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	48.7	✓	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	✓	Dodder

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

☐ = Previous Quarters Result

Date: 21-4-17

Name/s: A. Hefferon

Population 1
Transect 2

Transect	Tree No.	Dust Rating: Negligible	Low	Moderate	High	Extreme	Fruit: Absent	Scarce	Common	Abundant	Mature: Absent	Scarce	Common	Abundant	Immature: Absent	Scarce	Common	Abundant	Crown Density: Very Sparse	Sparse	Average	Dense	Very Dense	Dead Branches: Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Corwn (Terminal Only)	No Dead Branches	Crown Epicormic Growth: Severe	Moderate	Slight	Nil	Comment
T1-2	5.6 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	5.6 (2)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	8.8	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	14.2 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.2 (2)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	17.8	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	24.5 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	24.5 (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	✓	
	24.5 (3)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	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: 21-4-17

Name/s: A. Hefferon

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-3	1.4	✓	2	3	4	5	0	1	2	✓ 3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	24	✓	2	3	4	5	0	1	2	✓	0	✓	2	3	0	1	✓	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	26.1 (1)	✓	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	✓	Dodder
	26.1 (2)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	Dodder
	26.1 (3)																																Dead
	27.7 (1)	✓	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	✓	Dodder
	27.7 (2)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	✓	4	5	1.5	2	2.5	✓	Dodder
	32.7 (1)	✓	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	✓	Dodder
	32.7 (2)	✓	2	3	4	5	0	✓	2	3	✓	1	2	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	34.4 (1)	✓	2	3	4	5	0	✓	2	3	✓	1	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	34.4 (2)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	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	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	38.7	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	47.3 (1)	✓	2	3	4	5	0	✓	2	3	✓	1	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	47.3 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	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	✓	3	0	✓	2	3	0	✓	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: 21-4-17

Name/s: A. Hefferon

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	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	
T1-4	2.3	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	16 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	16 (2)	✓	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	✓	
	16 (3)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	16 (4)	✓	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	✓	
	16 (5)	✓	2	3	4	5	0	1	2	✓	0	1	2	✓	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	16 (6)	✓	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	16 (7)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	starting to die, leaves brown
	18.6	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	21	✓	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	✓	
	21.7	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	22.9	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	24.1	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	34 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	34 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	37.3 (1)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	37.3 (2)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	43.4	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	44.8	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	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: 21-4-17

Name/s: A. Hefferon

Population 1
Transect 5

Transect	Tree No.	Dust Rating					Fruit				Mature				Immature				Crown Density					Dead Branches					Crown				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	
T1-5	24.2	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	30.1	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	44.1	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	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

Date: 21-4-2017

Name/s: A. Heffernan

Population 1
Transect 6

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	
T1-6	4.8																																Dead
	11.7 (1)	✓	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	✓	Dodder
	11.7 (2)	✓	2	3	4	5	0	✓	2	3	✓	1	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	13.1	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	19.4 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	19.4 (2)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	21.6 (1)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	21.6 (2)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	23.1	✓	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	✓	Dodder
	34.5	✓	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	✓	Dodder, Small Tree (2m)

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

☐ = Previous Quarters Result

Date: 21.4.2017

Name/s: A. Hefferon

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	✓	0	1	2	✓	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	15.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	23.6	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	28.5 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	28.5 (2)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	31.4	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	33.7 (1)	✓	2	3	4	5	0	✓	2	3	✓	1	2	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	33.7 (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	✓	Dodder
	36 (1)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	36 (2)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	38	✓	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	✓	Dodder started to die, leaves brown
	46.4 (1)	✓	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	✓	
	46.4 (2)	✓	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	✓	Dodder
	46.4 (3)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	46.4 (4)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	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	2	3	1	✓	5	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	47.9	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	✓	5	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	49.4	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	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

Date: 21.4.17

Name/s: A. Hefferon

Population 1

Transect 8

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	
T1-8	1.3	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	✓	5	1.5	2	2.5	✓	Dodder
	18	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	22.7	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	34.2 (1)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	One dead branch, Dodder
	34.2 (2)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Dodder
	38	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	40.8	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	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: 17.4.17

Name/s: ROSS

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	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	
T2-1	4.1 (1)	1	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	
	4.1 (2)	1	2	3	4	5	0	1	✓	3	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	
	4.1 (3)	1	2	3	4	5	0	1	✓	3	0	1	2	✓	0	1	2	3	1	3	5	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	8.9 (1)	1	2	3	4	5	0	1	2	✓	0	1	✓	3	0	1	2	3	1	3	5	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	8.9 (2)	1	2	3	4	5	0	✓	2	3	0	1	2	3	0	✓	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	
	14.3	1	2	3	4	5	0	1	2	3	0	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder ✓
	19	1	2	3	4	5	0	✓	2	3	0	1	2	3	0	1	2	3	1	✓	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	Dodder ✓
	22.6	1	2	3	4	5	0	1	✓	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	✓	
	26 (1)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	Dodder ✓
	26 (2)	1	2	3	4	5	0	✓	2	3	0	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	5	1.5	2	2.5	✓	Dodder
	30.5 (1)	1	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	
	30.5 (2)	1	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	5	✓	9	1	2	✓	4	5	1.5	2	✓	3	
	30.5 (3)																																Dead ✓
	35.4	1	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	46.8 (1)	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	46.8 (2)																																Dead ✓
	46.8 (3)	1	2	3	4	5	✓	1	2	3	0	1	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	50	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	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: 17-4-17

Name/s: R. McCarron

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T2	15.6 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	15.6 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	20.8 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	20.8 (2)																																Dead
	26.7	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	30.5	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	36	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	37.8 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	37.8 (2)																																Dead
	50	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

Date: 17-4-17

Name/s: R. McCarron

Population 2

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T2	8.2	✓	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	
	28.8	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	36.5	✓	2	3	4	5	0	✓	2	3	0	1	✓	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	38.6	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	42.7 (1)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	
	42.7 (2)	1	2	3	4	5	0	✓	2	3	0	1	2	3	0	✓	2	3	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	
	46.5	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	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: 10-04-17

Name/s: A. Heffernan

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-1	1.9	✓	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	✓	
	3.8	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	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	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	5.3 (2)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	9.2	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	17	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	18.5	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	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	✓	5	1.5	2	2.5	✓	
	42.7	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	47.7 (1)	✓	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	✓	
	47.7 (2)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	50 (1)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	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	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	50 (3)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	50 (4)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	50 (5)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	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: 10.4.17

Name/s: A. Hefferon

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-2	2.4 (1)	✓	2	3	4	5	0	1	2	✓		0	1	✓	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	2.4 (2)	✓	2	3	4	5	0	1	✓	3		0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	5	1	2	3	4	5	0	1	2	✓		0	1	2	3	✓	1	2	3	1	3	5	7	9	1	2	3	4	✓	1.5	2	2.5	3	Dead
	7.2	✓	2	3	4	5	0	✓	2	3		0	✓	2	3	0	1	2	✓	1	✓	5	7	9	1	2	✓	4	5	1.5	2	2.5	✓	
	36.9	✓	2	3	4	5	0	1	2	✓		0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	40.2	✓	2	3	4	5	0	1	2	✓		0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	
	42.9	✓	2	3	4	5	0	1	2	✓		0	1	✓	3	0	✓	2	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: 10.4.17

Name/s: A. Hefferan

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-3	5.5	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	6.9 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	6.9 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	7.4	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	8.4	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	10.4	✓	2	3	4	5	0	✓	2	3	✓	1	2	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	23.3	✓	2	3	4	5	0	1	2	✓	0	✓	2	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	44.8	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	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: 10.4.2017

Name/s: A. Hefferon

Population 3
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	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	
T3-4	3.3	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	13.3 (1)	✓	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	✓	
	13.3 (2)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	13.3 (3)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	19.8	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	37.9	✓	2	3	4	5	0	1	2	✓	0	✓	2	3	0	1	✓	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	48.4	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	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: 17.04.17

Name/s: Ross. M

Population 7

Transect 1

Transect	Tree No.	Dust Rating: Negligible	Low	Moderate	High	Extreme	Fruit: Absent	Scarce	Common	Abundant	Mature: Absent	Scarce	Common	Abundant	Immature: Absent	Scarce	Common	Abundant	Crown Density: Very Sparse	Sparse	Average	Dense	Very Dense	Dead Branches: Most of Crown (Main & Small)	Part of Crown (Main & Small)	Part of Crown (Small Only)	Part of Corwn (Terminal Only)	No Dead Branches	Crown Epicormic Growth: Severe	Moderate	Slight	Nil	Comment
T1	4.8 (1)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	4.8 (2)																																Dead ✓
	7.8	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	leaves brown
	11.5 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	✓	3	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	11.5 (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	✓	
	14.3 (1)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	0	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3 (3)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3 (4)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	17.8	✓	2	3	4	5	✓	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	20.7 (1)	✓	2	3	4	5	✓	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	20.7 (2)	✓	2	3	4	5	✓	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	22.3	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	27.9																																Dead ✓
	28.7	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	✓	5	1.5	2	2.5	✓	leaves brown
	33.5	✓	2	3	4	5	✓	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	44.3	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	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: 17.04.17
Name/s: ROSS. M

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	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	
T7-2	3.8	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	5.1 (1)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	5.1 (2)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	7.5	✓	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	✓	
	17.4 (1)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	17.4 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	33.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	39.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	43.7	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	✓	5	1.5	2	2.5	✓	Growing fungus? foliage being eaten

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

Date: 17.04.17

Name/s: Ross M

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	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	
T7-3	3.1	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	✓	
	5.5 (1)	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	✓	
	5.5 (2)	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	✓	
	20.6	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	✓	leaves brown
	44.7 (1)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	✓	
	44.7 (2)	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	✓	
	44.7 (3)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	1	2.5	✓	leaves brown
	44.7 (4)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	1	2.5	✓	" "
	44.7 (5)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	✓	" "
	44.7 (6)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	1	2.5	✓	
	44.7 (7)																															✓	Dead
	44.7 (8)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	44.7 (9)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	47.1	1	2	3	4	5	0	1	✓	3	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	Some leaves browning

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

☐ = Previous Quarters Result

6.1.4. July 2017 Field Sheets

Date: 9-7-17

Name/s: A. Harris & R. McCarron

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	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
	9.6 (1)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	9.6 (2)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	9.6 (3)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	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	0	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	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
	19.7	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	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	X	1	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	X	3	0	X	2	3	1	3	5	X	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	24.8 (2)	X	2	3	4	5	0	1	2	X	0	1	X	3	X	X	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	
	24.8 (3)																																Dead
	24.8 (4)	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	
	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	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder Disease/pest
	27.6	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	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	X	2	3	0	X	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	33.1 (3)	X	2	3	4	5	0	1	X	3	X	X	2	3	0	1	X	3	1	X	5	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	2	X	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Loose Tag
	36.4	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 (1)	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 (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	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
	40.4 (4)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	40.4 (5)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	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	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
	48.7	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	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

Date: 9-7-17

Name/s: A. Harris & R. McCarron

Population 1
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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-2	5.6 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	5.6 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	8.8	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	14.2 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	14.2 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder
	17.8	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	24.5 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	24.5 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	24.5 (3)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: A. Harris & R. McCarron

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T1-3	1.4	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	3	X	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder ✓
	24	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 ✓
	26.1 (1)	X	2	3	4	5	0	W	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 ✓
	26.1 (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	X	5	1.5	2	2.5	X	Dodder
	26.1 (3)																																Dead } delete
	27.7 (1)	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder ✓
	27.7 (2)	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	7	9	1	2	X	4	5	1.5	2	2.5	X	Dodder ✓
	32.7 (1)	X	2	3	4	5	W	X	2	3	W	X	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder X
	32.7 (2)	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	34.4 (1)	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	
	34.4 (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	
	35.1	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	38.7	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	
	47.3 (1)	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	
	47.3 (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	
	47.3 (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	

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

☐ = Previous Quarters Result

Date: 19-7-17

Name/s: A. Harris & R. McCarron

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	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	
T1-4	2.3	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (1)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (2)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (3)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (4)	1	2	3	4	5	0	1	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (5)	1	2	3	4	5	0	1	2	✓	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	16 (6)	1	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	~~16 (7)~~	1	2	3	4	5	0	1	✓	3	0	1	2	✓	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	Starting to die, leaves brown Paul
	18.6	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	21	✓	2	3	4	5	0	✓	2	3	0	1	2	✓	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	21.7	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	22.9	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	0	✓	2	3	1	3	✓	✓	9	1	2	3	4	✓	1.5	2	2.5	3	
	24.1	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	
	34 (1)	1	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	Dodder
	34 (2)	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	
	37.3 (1)	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	37.3 (2)	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	43.4	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	
	44.8	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: A. Harris & R. McCarron

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	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	
T1-5	24.2	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
	30.1	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
	44.1	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

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: A. Harris & R. McCarron

Population 1
Transect 6

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	
T1-6	4.8																															Dead
	11.7 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder✓
	11.7 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder✓
	13.1	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder✓
	19.4 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder✓
	19.4 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder✓
	21.6 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder✓
	21.6 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder✓
	23.1	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder✓
	34.5	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	Dodder, Small Tree (2m)✓

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: A. Harris & R. McCarron

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	X	2	3	4	5	0	1	2	X	0	1	2	3	X	1	2	3	1	3	5	X	9	1	2	3	4	5	1.5	2	2.5	X	
	15.5	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	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	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	X	3	0	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	3	0	1	X	3	X	1	2	3	1	3	5	X	9	1	2	3	4	X	1.5	2	2.5	X	
	31.4	X	2	3	4	5	0	1	X	3	0	X	2	3	0	X	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	33.7 (1)	X	2	3	4	5	0	X	2	3	X	1	2	3	0	X	2	3	1	X	5	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	3	0	X	2	3	0	X	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	36 (1)	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	
	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	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder. Starting to die, leaves brown Tree is dea
	46.4 (1)	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	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	X	1	2	3	1	X	5	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	3	0	1	X	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	
	46.4 (4)	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	
	46.4 (5)	X	2	3	4	5	0	1	X	3	0	1	X	3	X	1	2	3	1	X	5	7	9	1	2	3	4	X	1.5	2	2.5	X	Dodder
	47.9	1	2	3	4	5	0	1	X	3	0	X	2	3	0	X	2	3	1	X	5	7	9	1	2	3	X	5	1.5	2	2.5	X	Dodder
	49.4	X	2	3	4	5	0	X	2	3	0	X	2	3	X	1	2	3	1	X	5	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

Lots of dead trees?

Date: 9-9-17

Name/s: A. Harris & R. McCarron

Population 1
Transect 8

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	
T1-8	1.3	X	2	3	4	5	X	1	2	3	X	1	2	3	X	1	2	3	1	X	5	7	9	1	2	3	X	5	1.5	2	2.5	X	Dodder
	18	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	
	22.7	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	
	34.2 (1)	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	X	5	1.5	2	2.5	X	One dead branch, Dodder
	34.2 (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	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	
	40.8	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	

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

☐ = Previous Quarters Result

Date: 9.7.17
Name/s: RM & 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	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	
T2-1	4.1 (1)	1	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	✓	✓	1.5	2	2.5	✓	
	4.1 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	5	✓	9	1	2	3	✓	✓	1.5	2	2.5	✓	
	4.1 (3)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	✓	1.5	2	2.5	✓	
	8.9 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	8.9 (2)	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	✓	4	5	1.5	✓	2.5	3	Dodder ✓
	19	1	2	3	4	5	0	✓	2	3	0	1	✓	3	✓	1	2	3	1	✓	5	7	9	1	2	3	✓	5	1.5	2	2.5	3	Dodder ✓
	22.6	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	26 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	5	7	9	1	2	3	✓	✓	1.5	2	2.5	3	Dodder ✓
	26 (2)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	5	7	9	1	2	3	4	✓	1.5	2	2.5	3	Dodder ✓
	30.5 (1)	1	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	5	✓	9	1	2	3	✓	✓	1.5	2	2.5	✓	
	30.5 (2)	1	✓	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	5	✓	9	1	2	✓	4	✓	1.5	2	✓	3	
	30.5 (3)																																Dead ✓
	35.4	1	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	46.8 (1)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	46.8 (2)																																Dead ✓
	46.8 (3)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	50	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	✓	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: 9.7.17

Name/s: RM & 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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T2-2	15.6 (1)	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	15.6 (2)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	✓	3	4	5	1.5	2	✓	3	
	20.8 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	✓	3	5	7	9	1	✓	3	4	5	1.5	✓	2.5	3	Pushed over
	20.8 (2)																																Dead ✓
	26.7	1	2	3	4	5	0	✓	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	30.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	36	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	✓	4	5	1.5	2	2.5	✓	
	37.8 (1)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	37.8 (2)																																Dead ✓
	50	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	1	2	3	✓	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	

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

☐ = Previous Quarters Result

Date: 9.7.17

Name/s: RM & AW

Population 2

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T2-3	8.2	1	2	3	4	5	0	1	2	✓	0	1	2	✓	✓	1	2	3	1	3	✓	9	1	2	3	✓	5	1.5	2	2.5	3	
	28.8	1	2	3	4	5	0	1	✓	3	0	1	2	✓	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	
	36.5	1	2	3	4	5	0	1	✓	3	0	1	2	✓	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	3	
	38.6	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	42.7 (1)	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	5	✓	9	1	2	3	✓	✓	1.5	2	2.5	3	
	42.7 (2)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	✓	✓	1.5	2	2.5	3	
	46.5	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	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: 9.7.17

Name/s: Ross McCarron & Ashleigh Harris

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-1	1.9	1	2	3	4	5	1	2	3		1	2	3		1	2	3		1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	3.8	1	2	3	4	5	0	1	2	3	0	1	2	3	1	2	3		1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	5.3 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	5.3 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	9.2	1	2	3	4	5	0	1	2	3	0	1	2	3	1	2	3		1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	17	1	2	3	4	5	0	1	2	3	0	1	2	3	1	2	3		1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	18.5	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	19.2	1	2	3	4	5	1	2	3		1	2	3		1	2	3		1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	42.7	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	47.7 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	1	2	3		1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	47.7 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50 (3)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50 (4)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	50 (5)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	5	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: Ross McCarron & Ashleigh Harris

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-2	2.4 (1)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	2.4 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	5																																Dead
	7.2	✓	2	3	4	5	0	✓	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	✓	4	5	1.5	2	2.5	✓	
	36.9	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	40.2	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	✓	5	1.5	2	2.5	✓	
	42.9	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	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: 9.7.17

Name/s: Ross MCCarron & Ashleigh Harris

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T3-3	5.5	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	6.9 (1)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	6.9 (2)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	7.4	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	8.4	1	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	5	1.5	2	2.5	3	
	10.4	1	2	3	4	5	✓	1	2	3	✓	1	2	3	0	✓	2	3	1	✓	5	7	9	1	2	3	4	5	1.5	2	2.5	3	
	23.3	1	2	3	4	5	0	1	2	✓	0	✓	2	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	5	1.5	2	2.5	3	
	44.8	1	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	5	✓	9	1	2	3	4	5	1.5	2	2.5	3	

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

☐ = Previous Quarters Result

Date: 6.7.17

Name/s: Ross + Ash

Population 3
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		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	
T3-4	3.3	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	13.3 (1)	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	13.3 (2)	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	13.3 (3)	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	19.8	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	37.9	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
	48.4	1	2	3	4	5	0	1	2	3		0	1	2	3		0	1	2	3		1	3	5	7	9	1	2	3	4	5		1.5	2	2.5	3	
																																					Being bumper for sign

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: A. Harris & R. McCarron

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 Corwn (Terminal Only)	No Dead Branches	Severe	Moderate	Slight	Nil	
T7-1	4.8 (1)	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	4.8 (2)																																Dead ✓
	7.8	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	✓	1.5	2	2.5	✗	Dead
	11.5 (1)	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	11.5 (2)	1	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3 (1)	1	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3 (2)	1	2	3	4	5	0	1	✓	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3 (3)	1	2	3	4	5	0	1	✓	3	0	✓	2	3	✓	1	2	3	1	3	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	14.3 (4)	1	2	3	4	5	0	1	✓	3	0	✓	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	17.8	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	20.7 (1)	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	20.7 (2)	1	2	3	4	5	0	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	22.3	1	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	27.9																																Dead ✓
	28.7	1	2	3	4	5	0	1	2	3	0	1	2	3	0	1	2	3	1	3	5	7	9	1	2	3	4	✓	1.5	2	2.5	✗	Dead ✓
	33.5	1	2	3	4	5	✓	1	2	3	0	1	2	3	0	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	44.3	1	2	3	4	5	0	✓	2	3	0	✓	2	3	0	✓	2	3	1	2	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: 9-7-17

Name/s: AH & R.M

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	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	
T7-2	3.8	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	5.1 (1)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	✓	5	1.5	2	2.5	✓	
	5.1 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	7.5	✓	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	✓	
	17.4 (1)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	17.4 (2)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	✓	
	33.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	39.5	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	5	✓	9	1	2	3	4	✓	1.5	2	2.5	✓	
	43.7	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	✓	4	5	1.5	✓	2.5	3	Growing fungus? leaves eaten?

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

☐ = Previous Quarters Result

Date: 9-7-17

Name/s: AH & 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	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	
T7-3	3.1	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	3	
	5.5 (1)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	3	
	5.5 (2)	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	3	
	20.6	✓	2	3	4	5	0	1	✓	3	0	1	✓	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	3	Dead
	44.7 (1)	✓	2	3	4	5	0	✓	2	3	0	✓	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	3	
	44.7 (2)	✓	2	3	4	5	✓	1	2	3	✓	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	3	
	44.7 (3)	✓	2	3	4	5	✓	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	3	Dead
	44.7 (4)	✓	2	3	4	5	0	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	3	Dead
	44.7 (5)	✓	2	3	4	5	0	1	2	3	0	1	2	3	✓	1	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	1	2.5	3	Dead
	44.7 (6)	✓	2	3	4	5	0	✓	2	3	✓	1	2	3	✓	1	2	3	1	✓	5	7	9	1	2	3	4	✓	1.5	1	2.5	3	
	44.7 (7)																																Dead ✓
	44.7 (8)	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	
	44.7 (9)	✓	2	3	4	5	0	1	✓	3	0	✓	2	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	Dead ✓
	47.1	✓	2	3	4	5	0	1	2	✓	0	1	✓	3	0	✓	2	3	1	3	✓	7	9	1	2	3	4	✓	1.5	2	2.5	3	

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

☐ = Previous Quarters Result