PROJECT SP4

Photopoint Field Monitoring

Photopoint MWD111

2008–2012

2018?

Version 1

Australian Rainforest Conservation Society Inc.

This report represents one of a series that focus on individual photopoints that are part of Project SP4, and will be updated annually to provide a visual record of regeneration progress on the D Block of “Warblers in the Mist” in the Mundora Creek Catchment, Springbrook (Photopoint MWD111)

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The Australian Rainforest Conservation Society Inc. (ARCS) is a national not-for-profit, non-government organization, incorporated in Queensland under the Associations Incorporation Act 1991 and registered as a tax-deductible gift recipient on the Federal Register of Environmental Organisations. ARCS is dedicated to the protection, conservation and restoration of the rainforests of Australia. ARCS is committed to a 20-year *pro bono* partnership with the Queensland Parks and Wildlife Service, formally beginning in 2008 (through a Licence under S34 of the Nature Conservation Act 1992) aimed at ecological restoration of World Heritage rainforests in the Springbrook precinct of the Gondwana Rainforests of Australia World Heritage Area.

Part 1
Photopoint MWD111 Part 1

PROJECT INFORMATION			
Project Name:	Springbrook Rescue: Project SP4		
Project Sponsor/Partner		Depart of National Parks, Recreation, Sport & Racing	
Photopoint Coordinator: *(name of primary person responsible for setting up photopoint and recording data)*		Dr Aila Keto	

LAND MANAGER INFORMATION			
Property Manager:		Australian Rainforest Conservation Society Inc.	
Postal Address:		PO Box 2111, Milton, QLD 4065	
Phone No.	0408 451 061	**Email address:**	aila.keto@rainforest.org.au

PHOTOPOINT REFERENCE DETAILS		
Date of Photograph:	24 February 2009	
Coordinates of Photopoint: *(i.e. Camera Post, with aluminium tag)*	527861 Easting; 6877641 Northing	
Was site tagged/labeled? *(Please answer YES or NO as appropriate)*	YES	
Type of Tag: (Aluminium or other)	Cattle tag marked with UV-resistant paint pen	
Distance between Sighter 1 (S1) and Sighter 2 (S2); & P and S1:	16 m between S1 and S2	3.6 m between Photopoint (P) and Sighter 1 (S1) marker posts
Direction of photographs: *(Sighters 1 and 2 in relation to Camera Post, e.g.: "north-west")*	130˚ East	

GENERAL COMMENTS / OTHER INFORMATION	
General site location comment	The D Block on 'Warblers in the Mist', Mundora Creek
Aim of this Photopoint? What particular aspects of the site are to be monitored? *e.g. change of vegetation condition with time following specific interventions*	To monitor recruitment, growth and mortality of native species regenerating under conditions prevailing in the D Block. Photopoint monitoring will provide a visual record complementing growth measurements conducted seasonally as part of Project SP1

Part 1

INSERT / ATTACH PHOTOPOINT PHOTOGRAPH HERE

(Attach other photos of or around monitoring site on extra pages)

24 February 2008 IMG_0630.JPG Photo: Aila Keto

The Photopoint and Sighter posts based on methodology recommended by Griffith 2009 were established in 2012. Prior to that photomonitoring was based on a fixed camera location and alignment with landscape features.

Part 1

SUPPLEMENTARY PHOTOPOINT PHOTOGRAPHS

21 March 2008 Photo: Aila Keto

Provides a landscape context; taken from house balcony. All natural regeneration is marked and labeled with pink plastic markers. Rainfall for 2001-2007 was close to a 20-year average with rainfall in 2008 being 1000 mm above the 20-year average.

IMG_633 and IMG_634 stitched using Photoshop to give an overview of the D block (Warblers) in 2008

Part 1

SUPPLEMENTARY PHOTOPOINT PHOTOGRAPHS

24 February 2008	IMG_633	Photo: Aila Keto

The following three images relate to the D block in Warblers in the Mist (Mundora Ck catchment in 2008

Part 1

SUPPLEMENTARY PHOTOPOINT PHOTOGRAPHS

24 February 2008 IMG 634.jpg Photo: Aila Keto

IMG_633 and IMG_634 stitched using Photoshop to give an overview of the D block (Warblers) in 2008

Part 1

SUPPLEMENTARY PHOTOPOINT PHOTOGRAPHS

16 March 2008 IMB_0780.jpg Photo: Aila Keto

A closup of natural regeneration in Growth Plot D339 in 2008 prior to herbicide treatment of *Aristea ecklonii*.

16 March 2008 IMG_0778.jpg Photo: Aila Keto

The site is extensive infested by Aristea ecklonii (Iridaceae). The following images are after herbicide treatment

Part 1

SUPPLEMENTARY PHOTOPOINT PHOTOGRAPHS

5 October 2008 IMG_1042.jpg Photo: Keith Scott

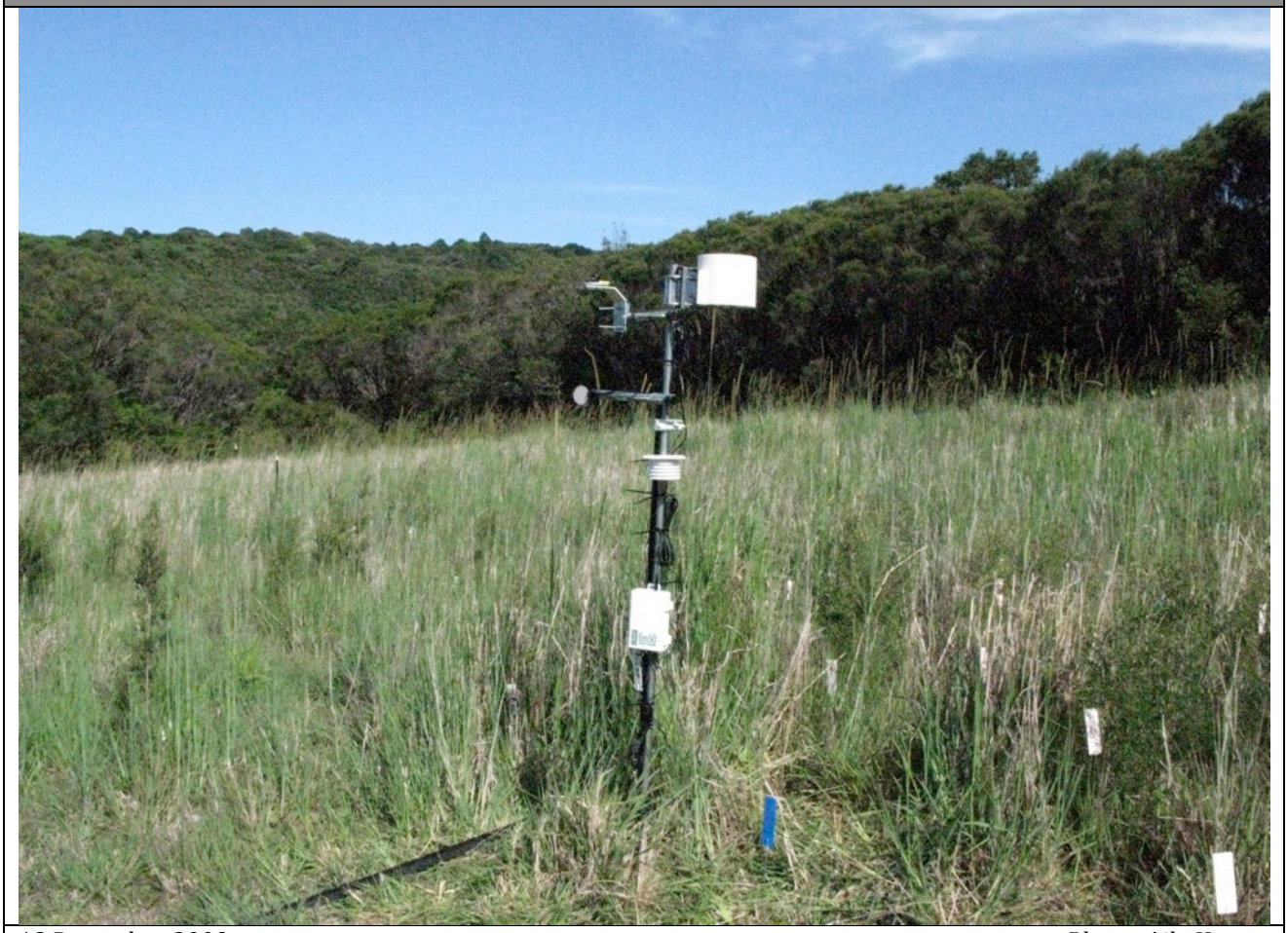
Digging out residual *Aristea ecklonii* (Iridaceae) including rhizomes, in D339 following herbicide application

5 October 2008 IMG_1040.jpg Photo: Keith Scott

Digging out residual *Aristea ecklonii* (Iridaceae) including rhizomes, following herbicide application

Part 1

SUPPLEMENTARY PHOTOPOINT PHOTOGRAPHS



18 December 2009 Photo: Aila Keto

Weather station established on Growth Plot D339 on 18/12/2009. Mat-forming, advanced cover of *Setaria sphacelata* competing with natural regeneration.

Part 2

PART 2: Observational Field Data Monitoring Records

Site Location: Mundora Creek, 17 Bilbrough Court, Springbrook 4213

(e.g. Catchment name, GPS location, street address

Photographs are mostly taken annually, except where a management intervention benefits from a baseline photograph immediately prior to the intervention.

Part 2

Date	Recorder	Comments
2008 24/02/2008		
	Photo: Aila Keto IMG_0630.JPG Size 3648x2736 Canon PS G7	Cell D223 in the foreground Expanding erosion upslope from small farm dam to left of photograph
2009 24/02/2009		
	Aila Keto IMG 2445 Canon PS G7	Cell D223 was managed to control Setaria sphacelata – a controlled disturbance affecting productivity of the grass and hence it's competitiveness with native species. Brushcutters were used. Long grass remains on D32

Part 2

Date	Recorder	Comments
2010 02/06/2010		
	Aila Keto IMG_4788 Canon PS G7	Above average rainfall in 2009-2010; Setaria sphacelata (the dominant matt-forming grass capable of repressing regeneration/inhibiting growth) is culled in Autumn such that sufficient cover remains to protect against winter frosts
2011 30/08/2011		
	Aila Keto IMG_0002 Canon PS G12	Sustained annual rainfall levels 40% above the 20-year average. Setaria brushed to reduce competition and allow maximal exposure of native species to light for the Spring-Autumn growing season

Part 2

Date	Recorder	Comments
2012 28/07/2012		
	Aila Keto IMG_1238 Canon PS G12	The highest productivity of native regrowth is on Plot D223 where use of the herbicide glyphosate was avoided.