

Dartbrook Community Consultative Committee Meeting

18th April 2018



Australian Pacific Coal

ABN : 49 089 206 986 ASX CODE: APC

AGENDA

- 1. Apologies**
- 2. Declaration of Pecuniary Interest**
- 3. Correspondence**
- 4. Confirmation of previous minutes**
- 5. Actions from previous minutes**
- 6. Business Arising – MOP, Annual Review, Hunter River Monitoring, Planning Applications**
- 7. General Business:**
 - Complaints & Incidents Summary
 - Regulatory Consultation
 - Exploration Program
 - Environmental Monitoring
 - Land Management
 - Community Consultation
- 8. Other Business**
- 9. Next Meeting**

Actions from previous minutes

Action Item	Action	Outcome
1.	To report re Dartbrook's independent Chairperson.	SB to update
2.	That relevant information continues to go to the CCC members prior to the CCC meeting.	DW sent out available pre-meeting info
3.	To report on the proposed additional background environmental water monitoring program to be put in place to support proposed future mining studies.	JB to report
4.	To report back on property management at Nandowra and Dartbrook roads	DW to report
5.	To advise if the MSC would like a roof support as a monument.	SB advised not required
6.	To issue a calendar planner invitation to the CCC.	DW sent out pre-meeting

1. Mining Operations Plan

- DRG approved the MOP on 18 December 2017
- Approved MOP document is available on the AQC website

2. Annual Review 2017

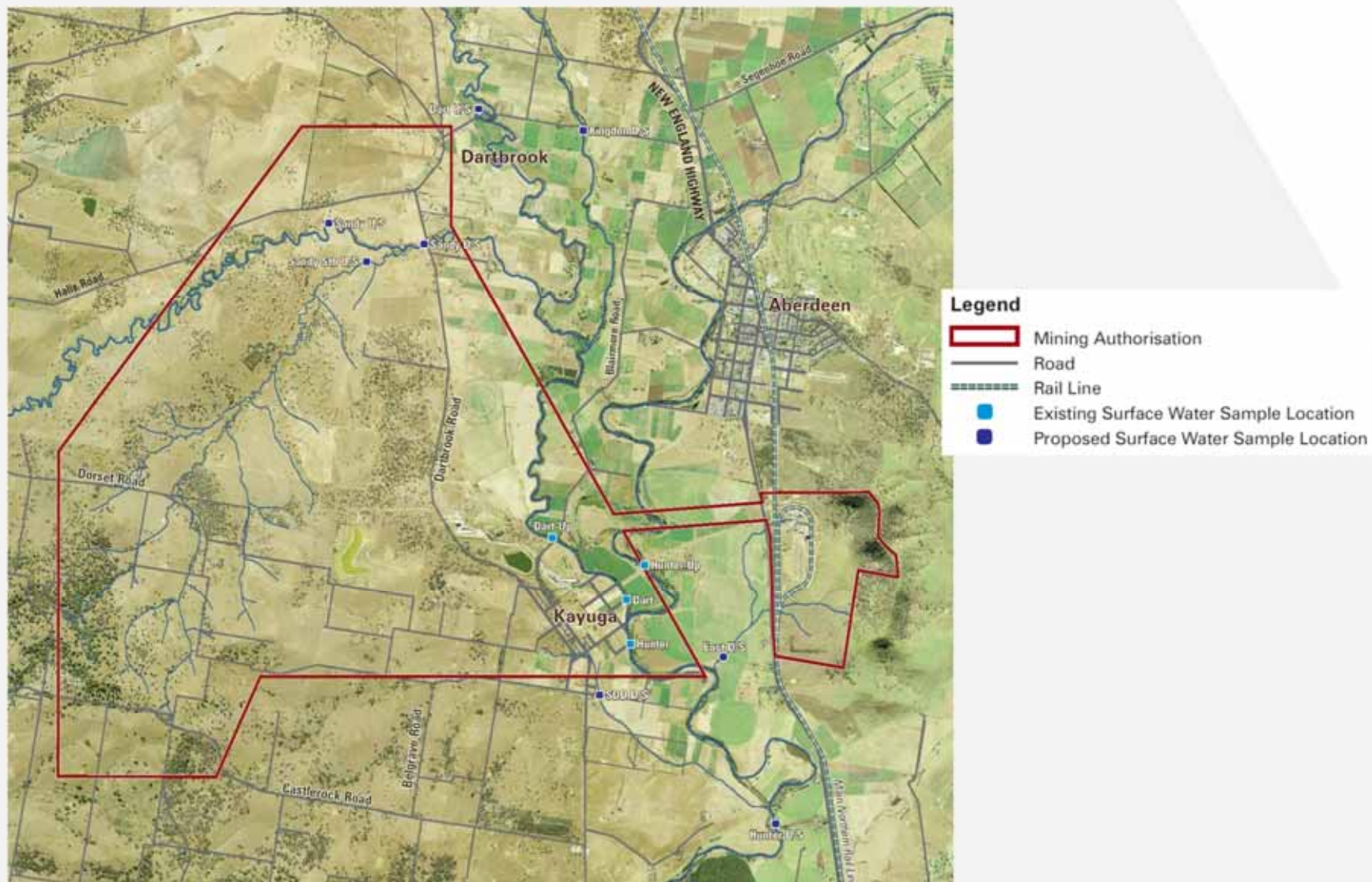
- Finalised and lodged with regulators before end of March 2018 as required
- The Annual Review has been provided electronically to CCC and is also available on the AQC website
- Please advise if you would like a hard copy

3. Hunter River Monitoring Program

- Program developed with expert input from Cumberland Ecology & WRM Water & Environment in consultation with DoI-Water
- Monitoring is proposed to be undertaken at 12 sites:
 - Four existing surface water quality monitoring locations; and
 - Eight additional locations selected by WRM.
- Initial aquatic ecology monitoring will be undertaken twice per year in Autumn and Spring to collect baseline data
- Program results will be provided to the CCC and reported in the Dartbrook Annual Review

BUSINESS ARISING – continued

Proposed River Health Monitoring Locations



4. Underground Modification

- An Environmental Assessment (EA) is being prepared to support the Modification application for the re-commencement of underground mining on site
- The EA is planned to be submitted by mid-June 2018 for public exhibition
- Consultation with DPE has confirmed the Department's assessment requirements

4. Open Cut Project Studies

- PFS for the surface mining project has been completed
- Environmental studies are underway to support a Gateway Application (to be submitted in April)
- The early phase of community engagement for the project Social Impact studies will most likely commence in May

GENERAL BUSINESS – Complaints and Incidents

- No environmental complaints or incidents have been recorded since the previous CCC meeting

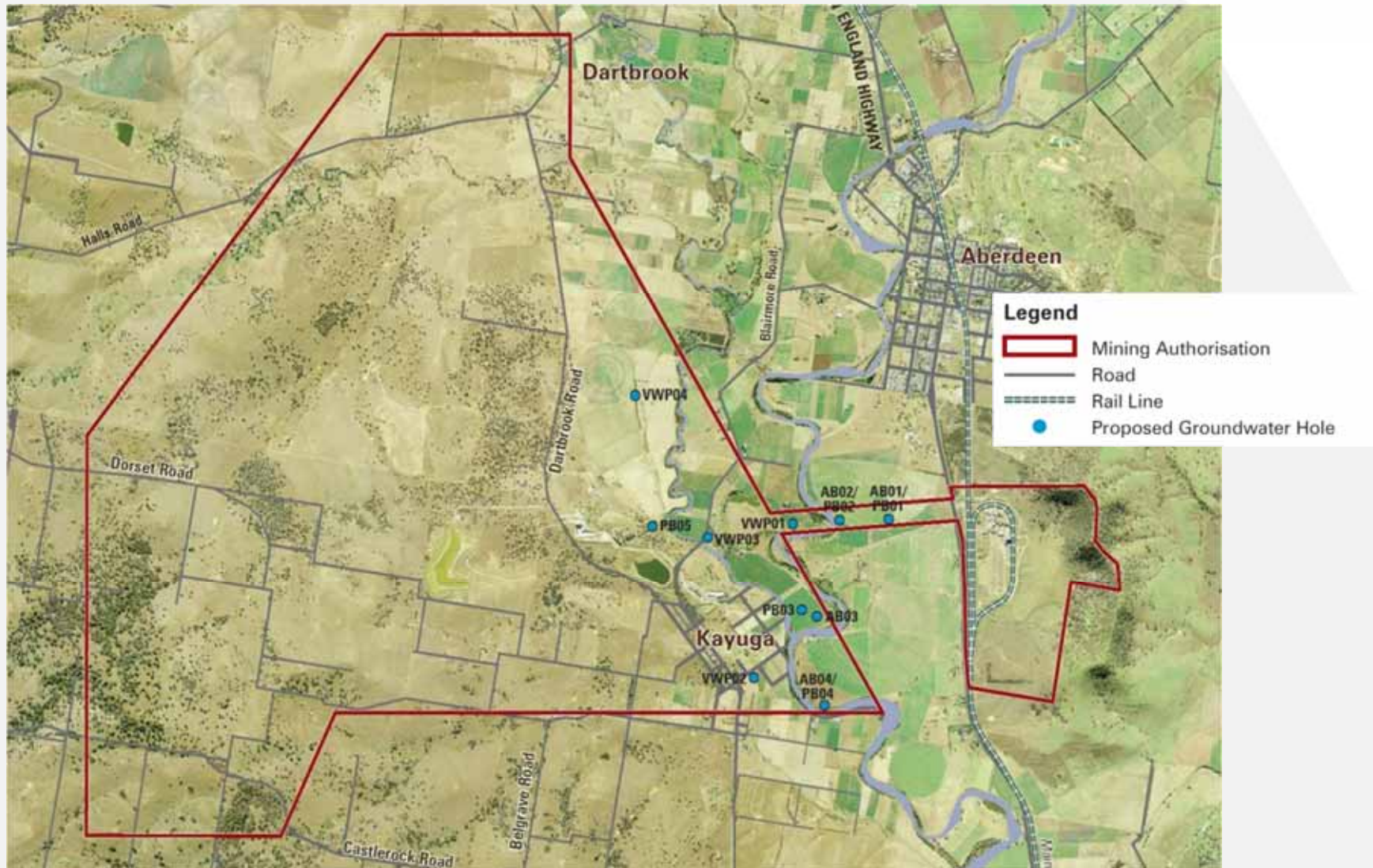
GENERAL BUSINESS – Regulatory Consultation



- Applications to DoI-Water in March for the development of 13 additional groundwater monitoring bores
- Meeting with DoI-Water held in April to discuss the Hunter River monitoring and exploration programs

GENERAL BUSINESS – Regulatory Consultation continued

Proposed Groundwater Monitoring Bores

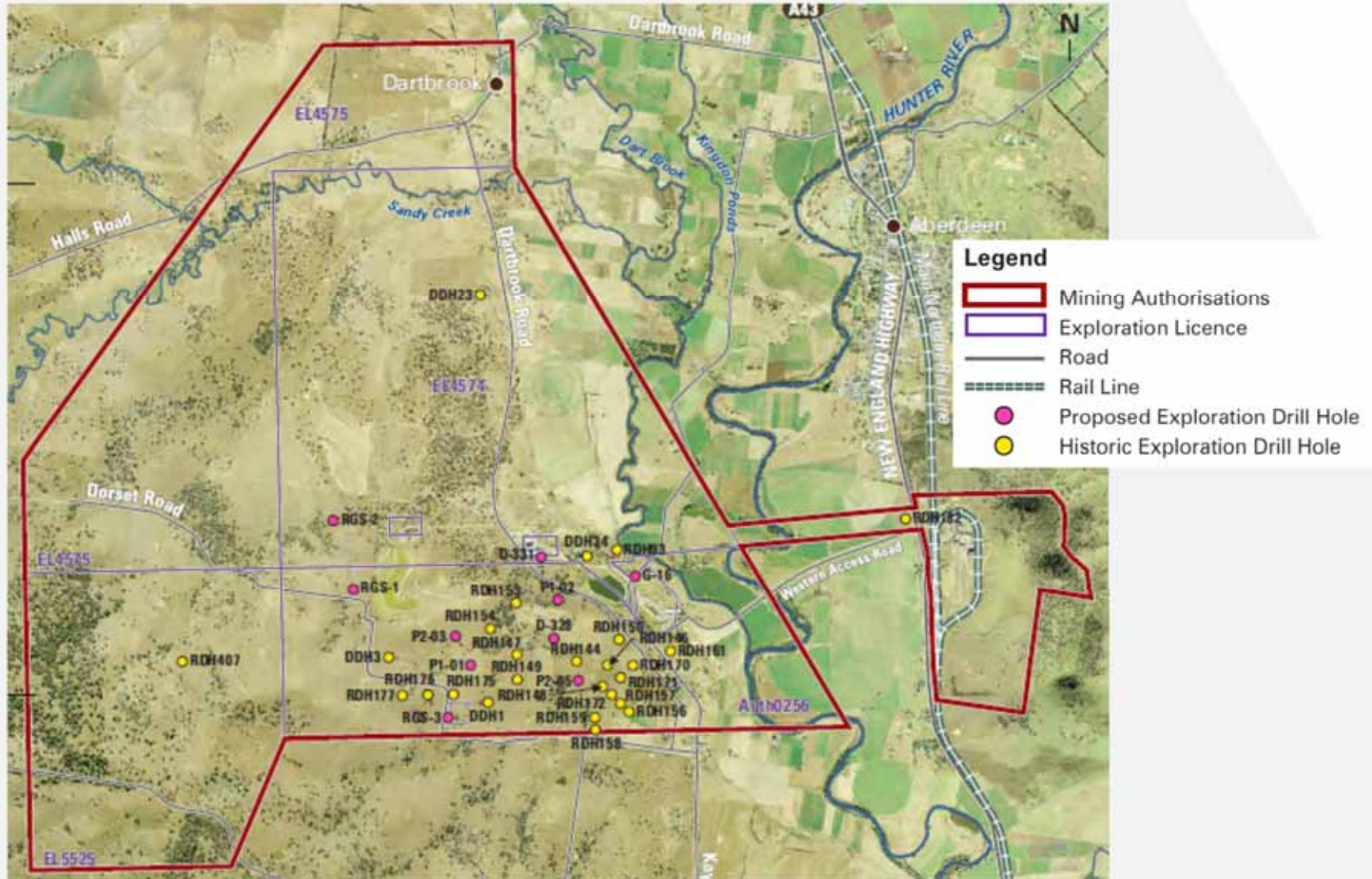


GENERAL BUSINESS – Exploration Program

- Exploration applications submitted to DRG in March for:
 - Proposed development of 10 exploration drill holes; and
 - Rehabilitation of 26 drill hole sites which were installed in the early 1980s
 - Program scheduled to commence in late April
- DRG visited site in March to review the sites where works are proposed

GENERAL BUSINESS – Exploration Program continued

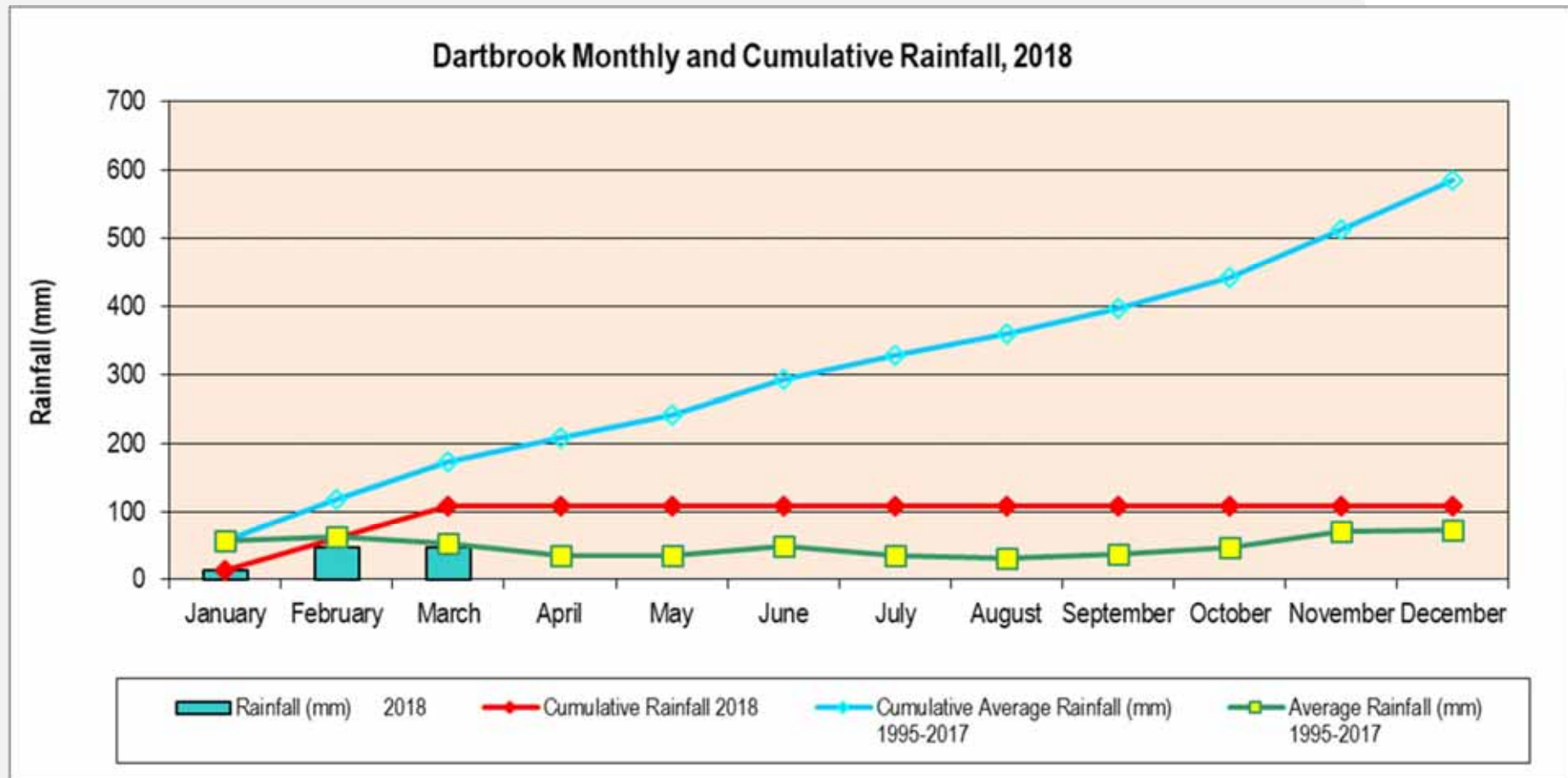
Proposed Exploration Program



GENERAL BUSINESS – Environmental Monitoring

- **Rainfall**
- **High Volume Air Sampling**
- **Dust Deposition**
- **Dust Isopleth**
- **Surface Water – Hunter River Salinity**
- **Surface Water – Dart Brook Salinity**
- **Greenhouse gas**

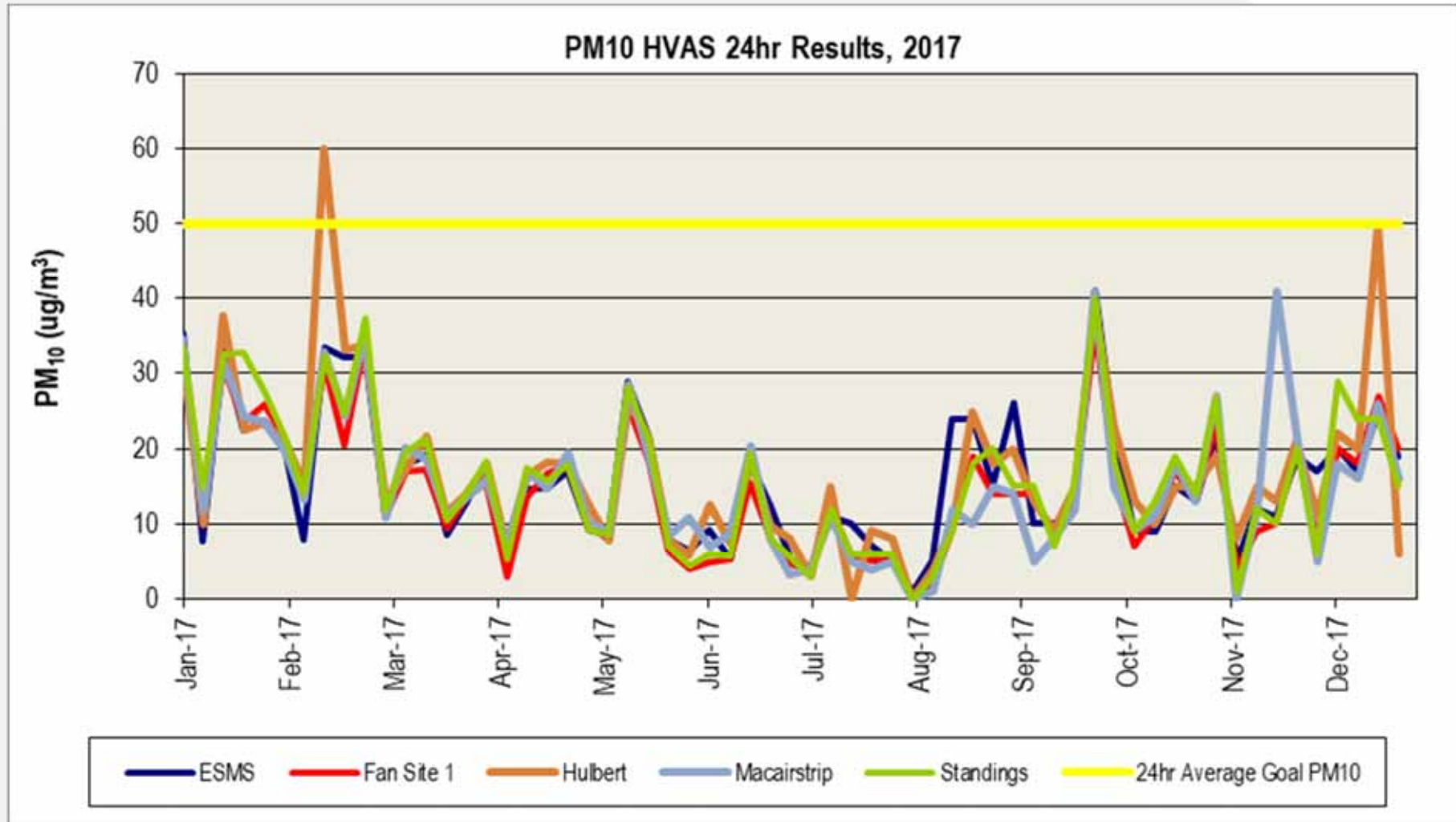
GENERAL BUSINESS – Environmental Monitoring continued



2017 yearly rainfall = 406.2 mm

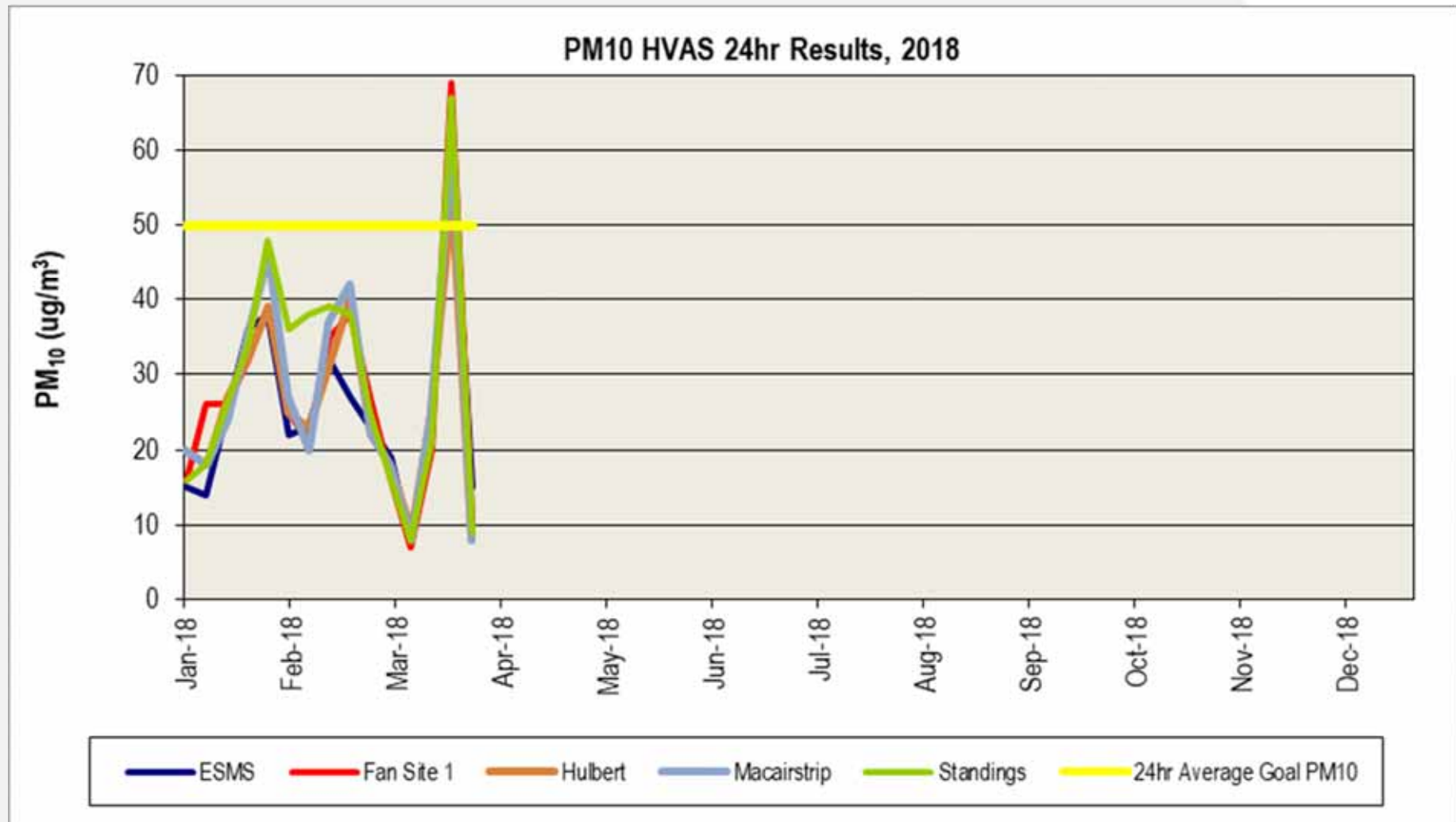
Dartbrook average yearly rainfall 1995-2017= 586 mm

GENERAL BUSINESS – Environmental Monitoring continued



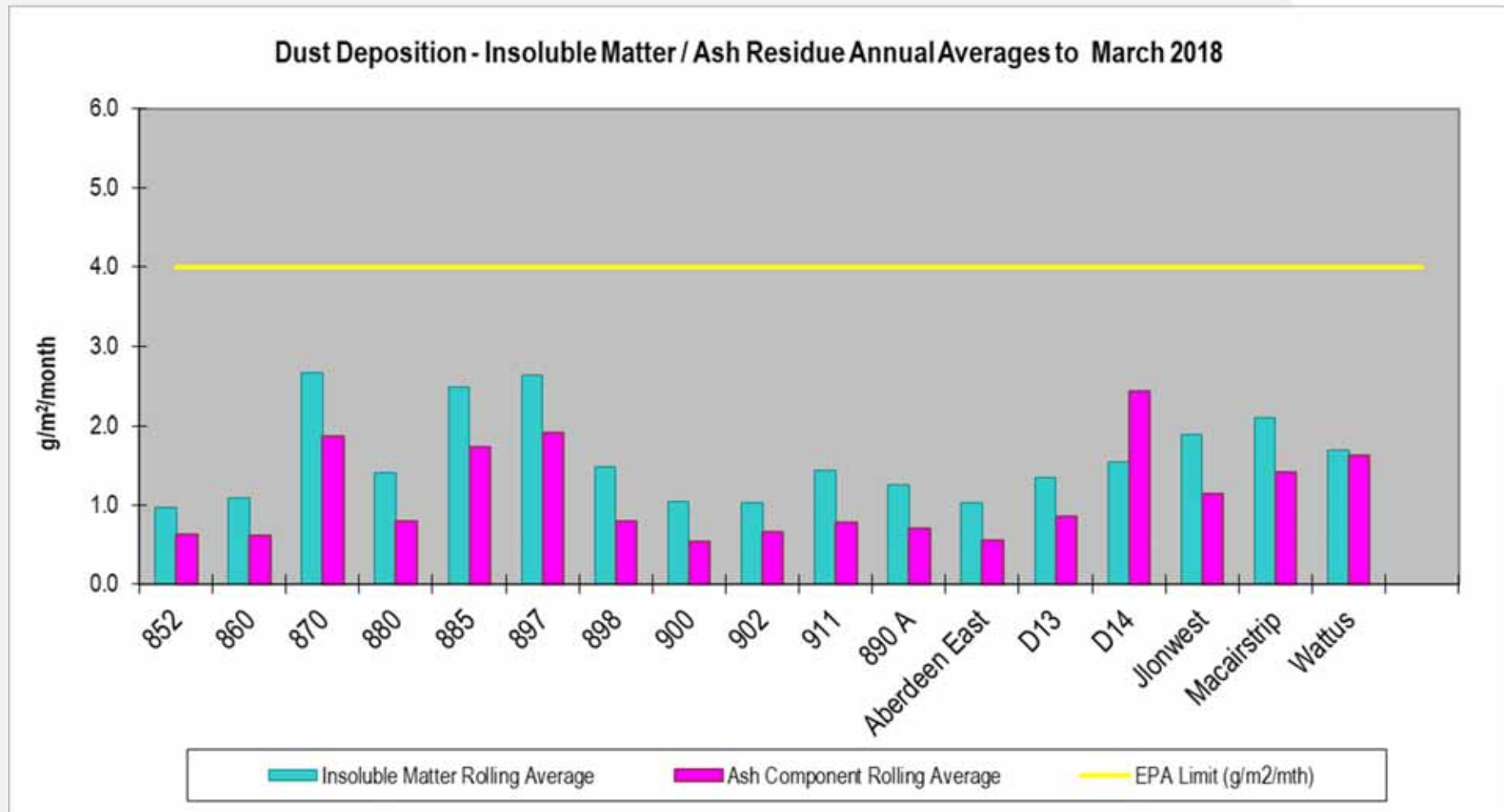
PM10 (Particulate Matter <10µm) NEPC guideline limit is 50ug/m³

GENERAL BUSINESS – Environmental Monitoring continued



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GENERAL BUSINESS – Environmental Monitoring continued



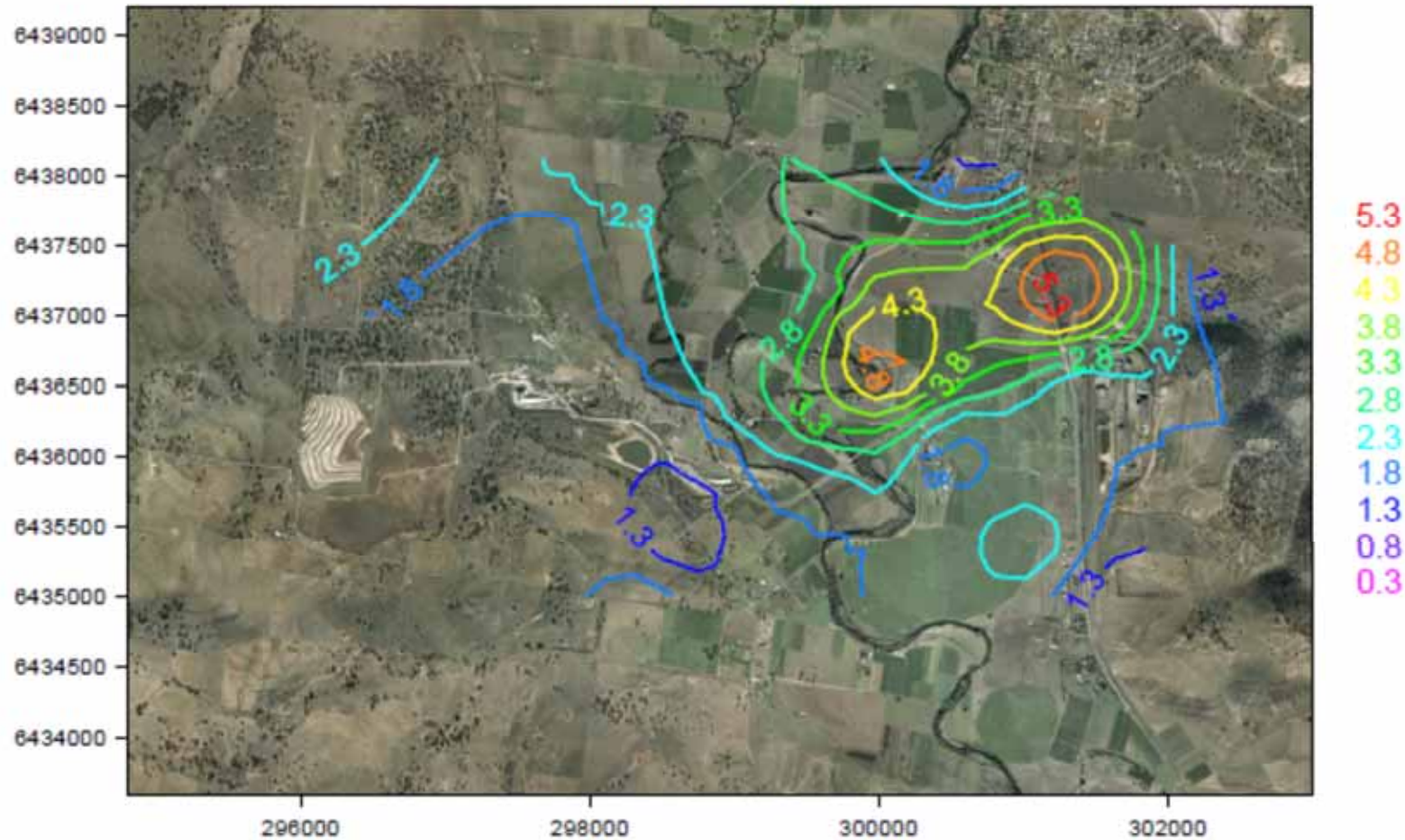
Insoluble Matter is Ash + Combustible Matter

Ash is more representative of dust component, remainder is typically organic matter (e.g. insects)

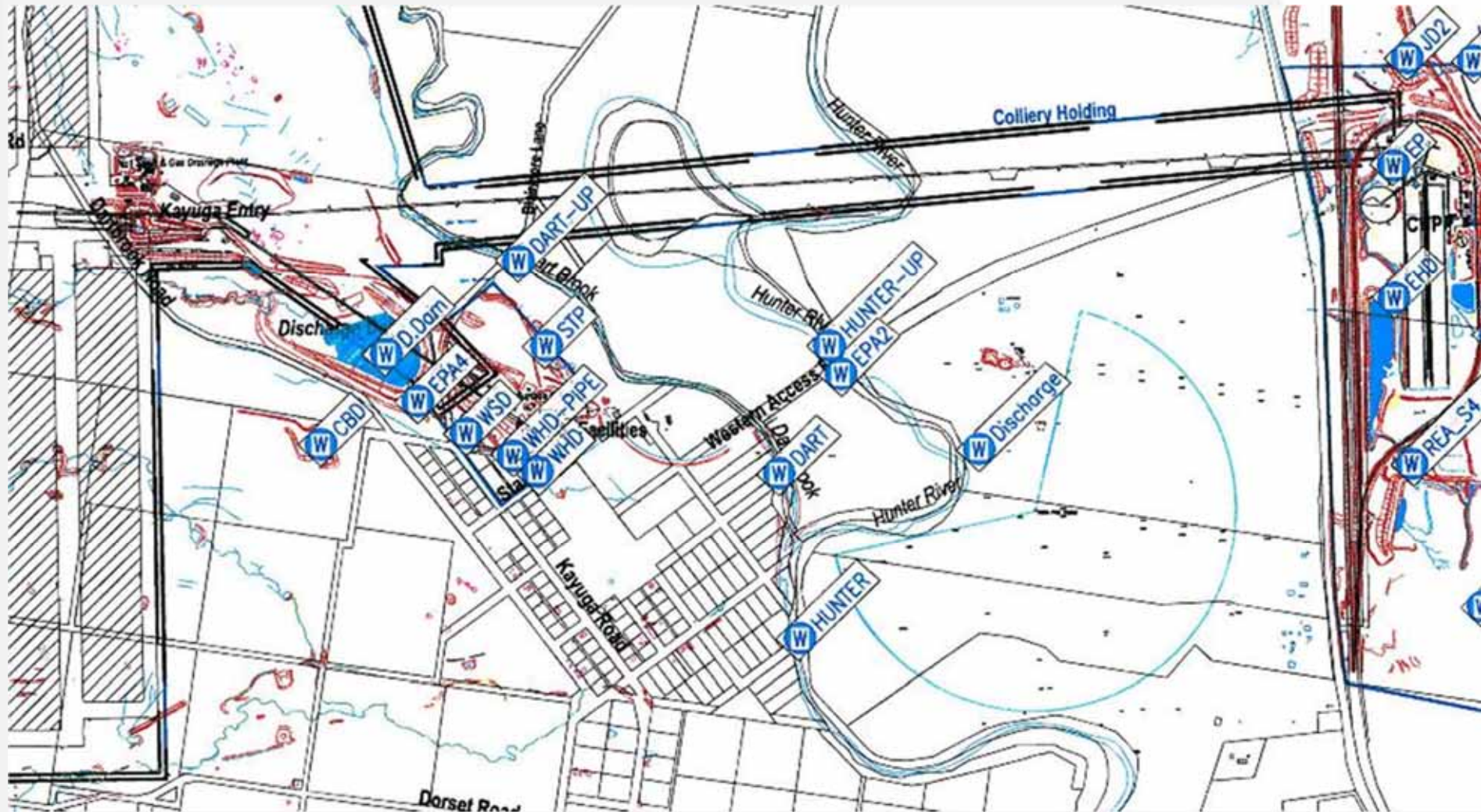
Annual average below limit of 4g/m²/month at all sites

GENERAL BUSINESS – Environmental Monitoring continued

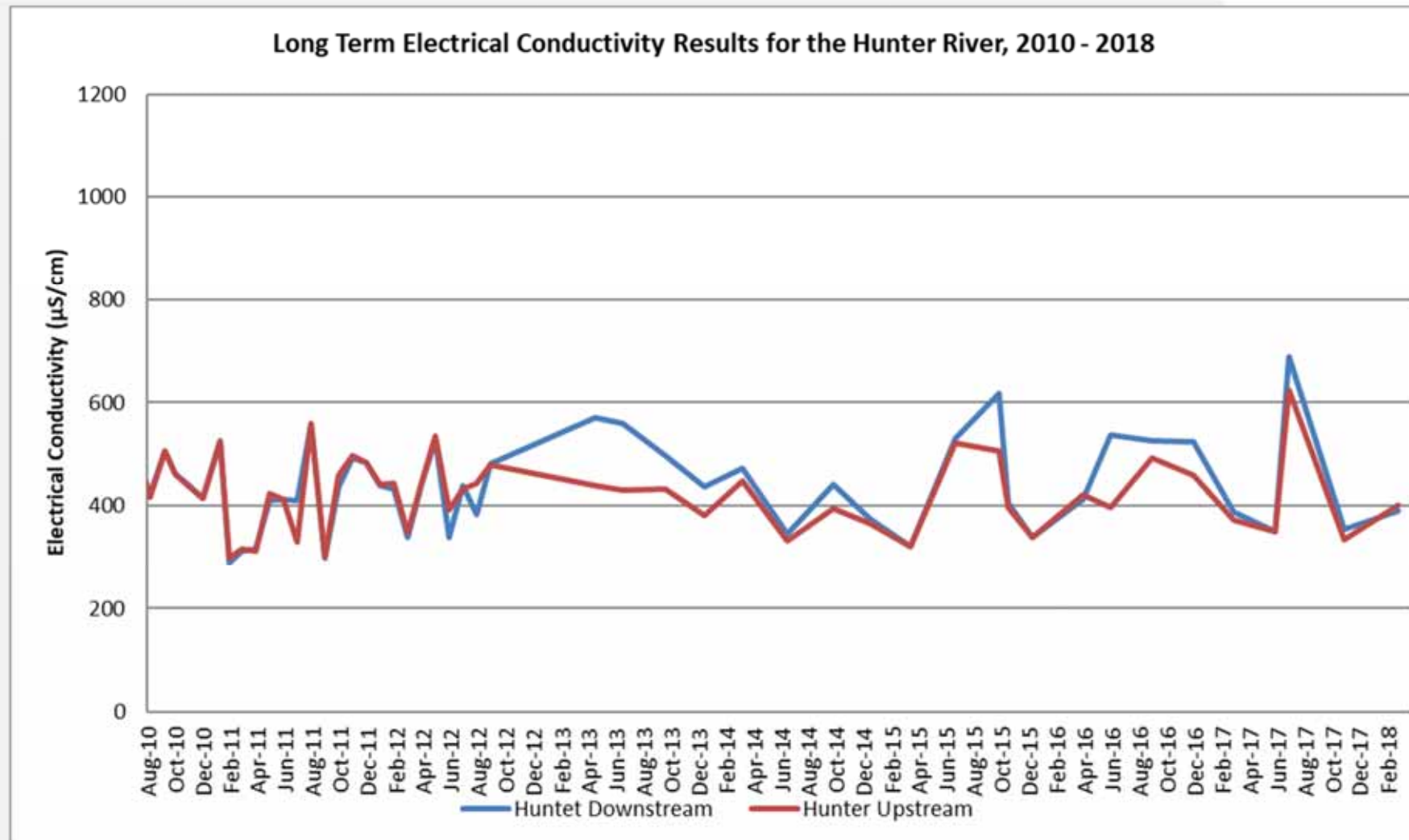
Depositional Dust Contours
March 2018



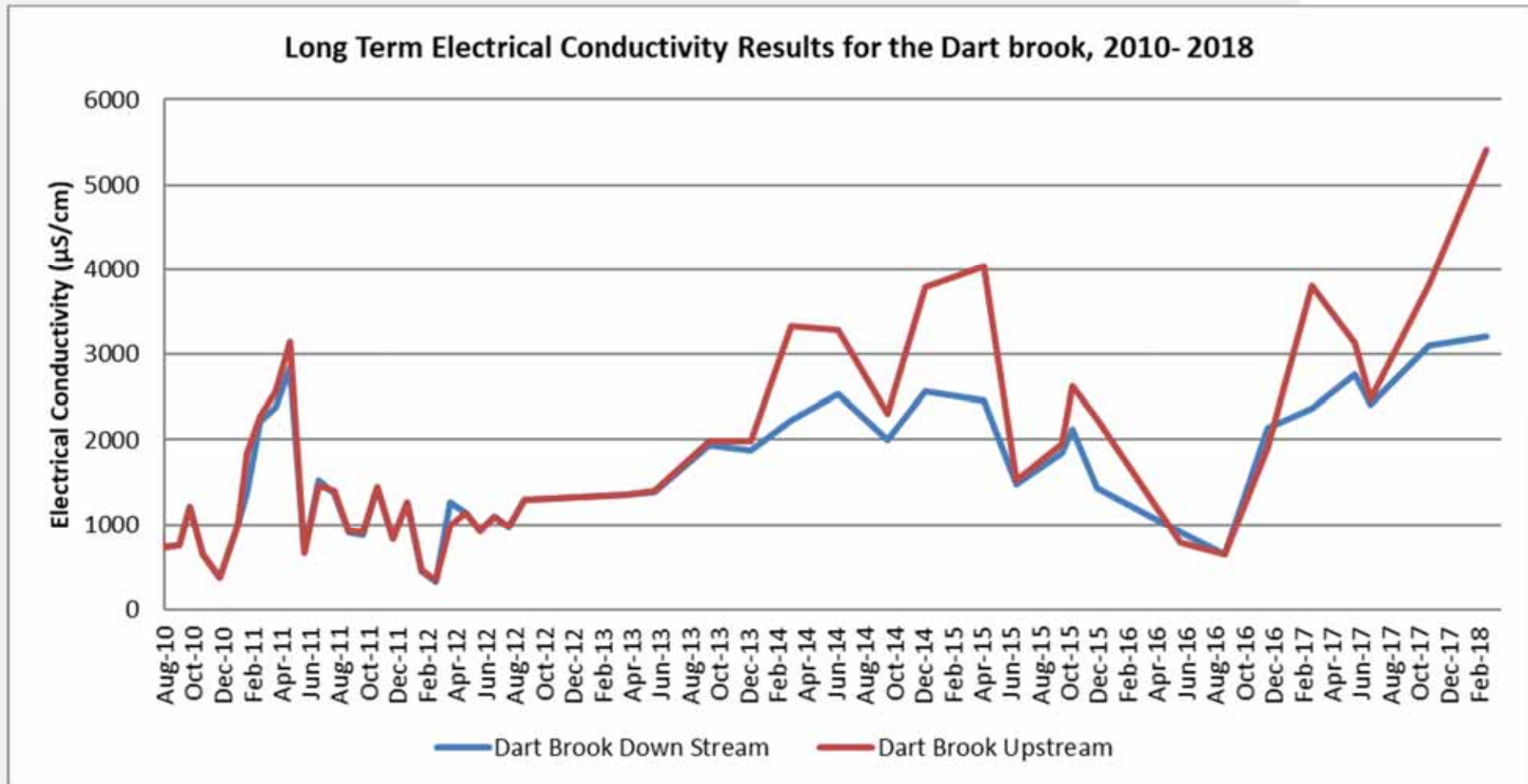
GENERAL BUSINESS – Environmental Monitoring continued



GENERAL BUSINESS – Environmental Monitoring continued



GENERAL BUSINESS – Environmental Monitoring continued



GENERAL BUSINESS – Environmental Monitoring continued

Date	Scope 1 Emissions			Scope 2 Emissions	Total Emissions (t CO ₂ -e)
	Methane (t CO ₂ -e)	Carbon Dioxide (t CO ₂ -e)	Nitrous Oxide (t CO ₂ -e)	Carbon Dioxide (t CO ₂ -e)	
Jan-17	4,420	811	0.01	395	5,627
Feb-17	425*	531	0.02	379	1,335
Mar-17	2,047	630	0.01	421	3,097
Apr-17	2,278	663	0.02	378	3,319
May-17	2,354	686	0.02	397	3,436
Jun-17	3,349	881	0.01	373	4,602
Jul-17	4,098	958	0.02	379	5,434
Aug-17	4,152	911	0.02	393	5,457
Sep-17	9,232	948	0.01	353	10,534
Oct-17	8,252	927	0.02	404	9,583
Nov-17	5,712	812	0.02	413	6,937
Dec-17	6,083	1,052	0.01	447	7,582
2017 Total	52,400	9,811	0.19	4,732	66,943

DARTBROOK CARE & MAINTENANCE – Land management

- Ongoing program of slashing and mowing, property maintenance
- Renewal of boundary fencing Halls Road, Dartbrook Road, New England Highway
- Kayuga Homestead upgrade
- Caretakers living on site
- Scrap steel removal completed

DARTBROOK CARE & MAINTENANCE – Land management continued

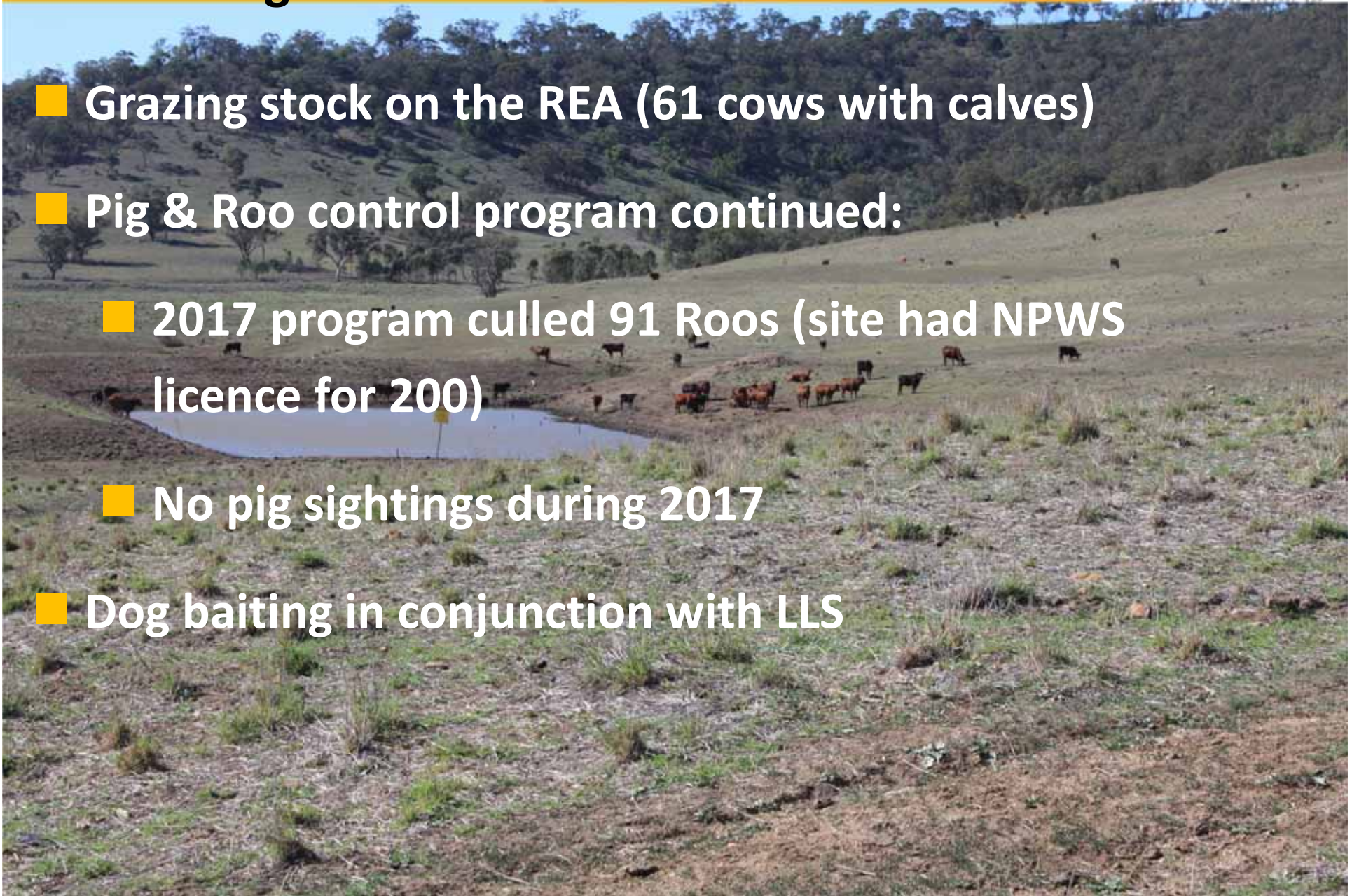
- Dairy upgrade complete
- Weed treatment, including for:
 - Broadleaf weeds and liverseed grass on paddocks sown to oats
 - Green cestrum control on river bank
 - Prickly pear on the East Site



DARTBROOK CARE & MAINTENANCE – Land management continued



- Grazing stock on the REA (61 cows with calves)
- Pig & Roo control program continued:
 - 2017 program culled 91 Roos (site had NPWS licence for 200)
 - No pig sightings during 2017
- Dog baiting in conjunction with LLS



DARTBROOK CARE & MAINTENANCE – Community Consultation

- Ongoing consultation:
 - Newsletter No 6 will be out next week
 - Dartbrook Sponsorship & Donations Initiative continues to call for Applications <http://www.aqcltd.com/irm/content/sponsorships.aspx?RID=463>
 - Consultation over recent sponsorships provided to Muswellbrook Kindy for a playground upgrade and to UHSC for the Young Endeavour Scheme
 - The Environmental Contact Line continues to operate on: 1300 131 058

OTHER BUSINESS

- Business for the next meeting

NEXT 2018 MEETING DATE

2018

January

Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February

Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March

Mo	Tu	We	Th	Fr	Sa	Su
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19	20	21	22	23	24	25
26	27	28	29	30	31	

April

Mo	Tu	We	Th	Fr	Sa	Su
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23	24	25	26	27	28	29
30						

May

Mo	Tu	We	Th	Fr	Sa	Su
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June

Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

July

Mo	Tu	We	Th	Fr	Sa	Su
						1
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

August

Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October

Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November

Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



Australian Pacific Coal

ABN: 45 019 206 884 ASX CODE: APC

**THANK
YOU**