

# Stratford Coal CCC Meeting

Presentation –  
Company Report &  
Overview of Activities

February 2018

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Environment & Community Superintendent

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# 1. Progress at the Mine

## Mining 4<sup>th</sup> Quarter 2017

- Waste BCM            0 BCM
- ROM Coal            0 tonnes
- CHPP product        157,000 tonnes

\*Reclaim from codam only during December 2017.

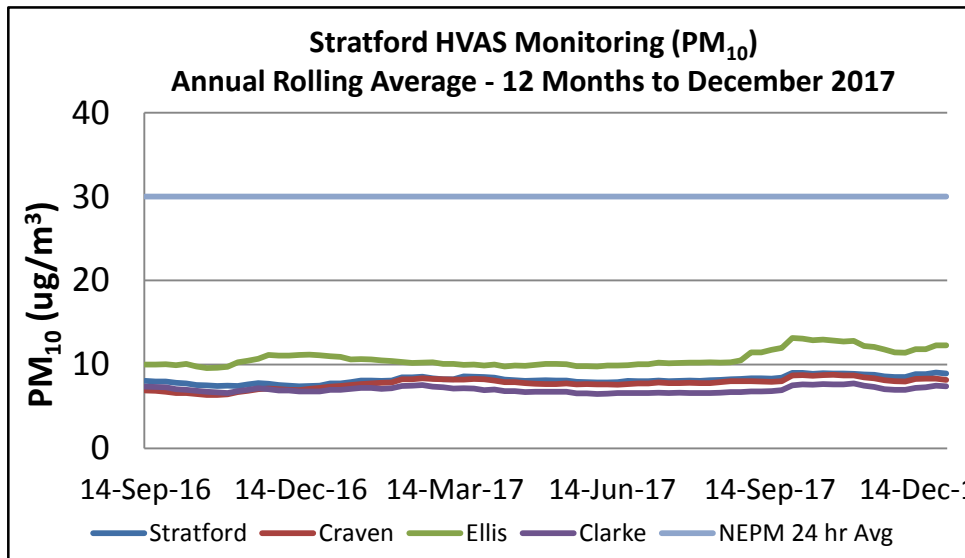
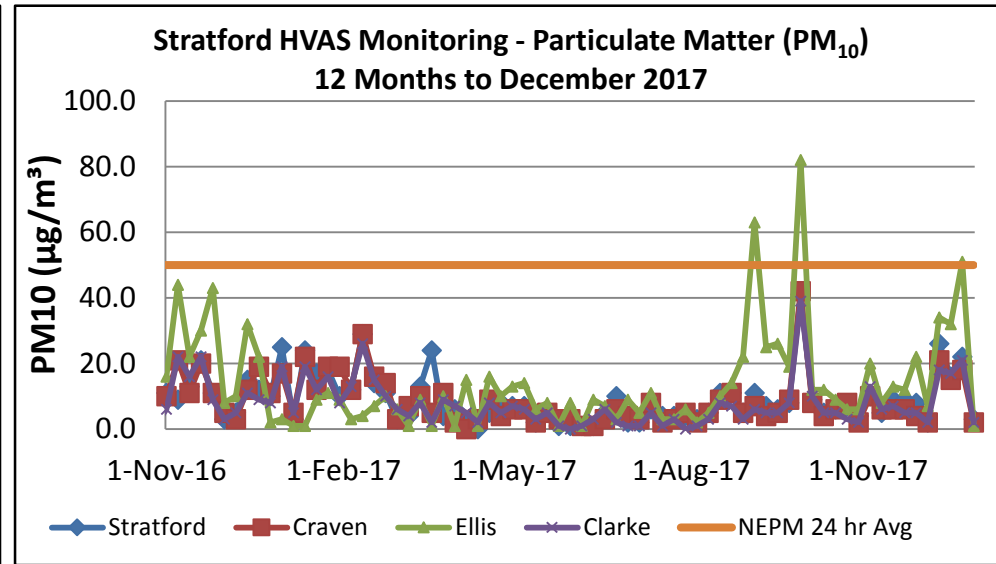
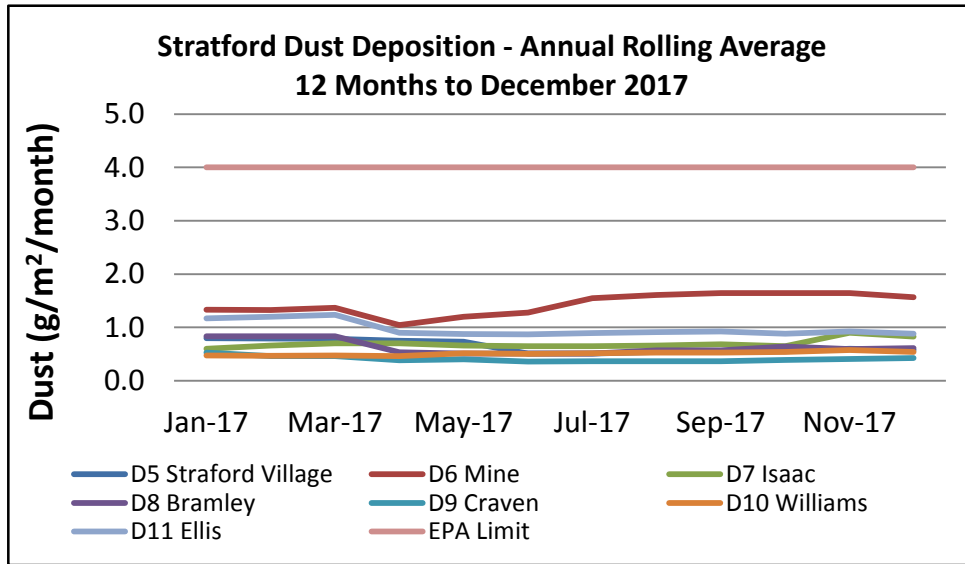
# 2. Environmental Reporting & Regulators

Management Area	Project	Status
Reporting	<ul style="list-style-type: none"> <li>• Stratford Annual Review 2017</li> <li>• EPL 11745 Annual Return</li> <li>• Independent Environmental Audit</li> </ul>	<ul style="list-style-type: none"> <li>• The 2017 Annual review is currently being prepared and is due for submission in March 2018.</li> <li>• The 2017 EPL 11745 Annual Return has been completed and submitted to the EPA during January 2018.</li> <li>• Independent Environmental Audits of the operations are required every 3 years. An audit was undertaken during December 2017. The audit report is due for submission to DP&amp;E in February 2018.</li> </ul>
Regulator	<ul style="list-style-type: none"> <li>• DP&amp;E site visit.</li> <li>• Environmental Management Plans</li> <li>• Mine Closure Planning and Mining Operations Plan Amendment</li> <li>• Mining Lease Application</li> </ul>	<ul style="list-style-type: none"> <li>• A site visit was undertaken by DP&amp;E on 23-Jan 2018.</li> <li>• SCPL have prepared Environmental Management Plans for the Stratford Extension Project, which were submitted during December 2017. The plans will be available on the Stratford Coal website following approval.</li> <li>• A MOP amendment was approved by DRG in November 2017 and is available on the Duralie website. The new MOP also incorporates the Rehabilitation Management Plan.</li> <li>• The MOP amendment included a revision to the rehabilitation cost estimate.</li> <li>• SCPL has lodged MLA 552 for the Stratford East area during December 2017.</li> </ul>

# 3. Environmental Management Plans & Monitoring

- a) Air Quality Management
- b) Noise Management
- c) Water Management
- d) Rehabilitation Management
- e) Biodiversity Management

# 3a. Air Quality Management



- All sites below DP&E limit. Typically low results during winter and higher during spring/summer.
- High results at Ellis in Sep-17 due to burning off next to HVAS monitor. Bushfire smoke contributed to high levels in late Sep-17.
- Flat trend over previous 12 months.
- HVAS results provide more reliable data compared to dust deposition results and should be referred to when interpreting dust emissions.

# 3b. Noise Management

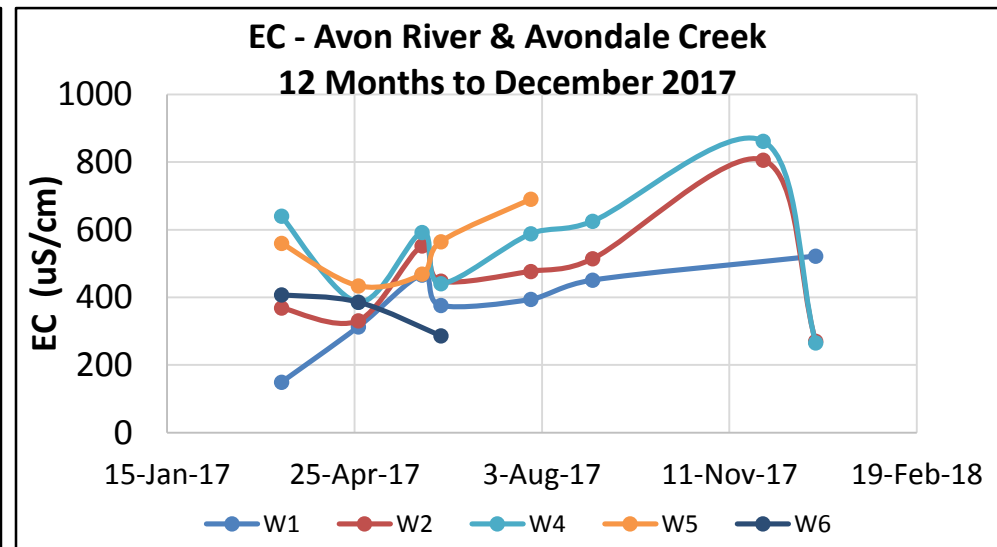
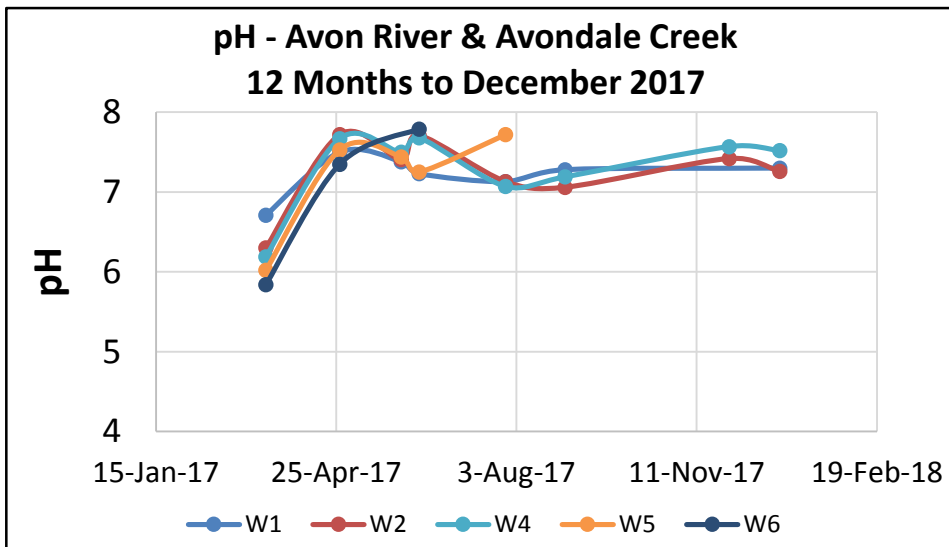
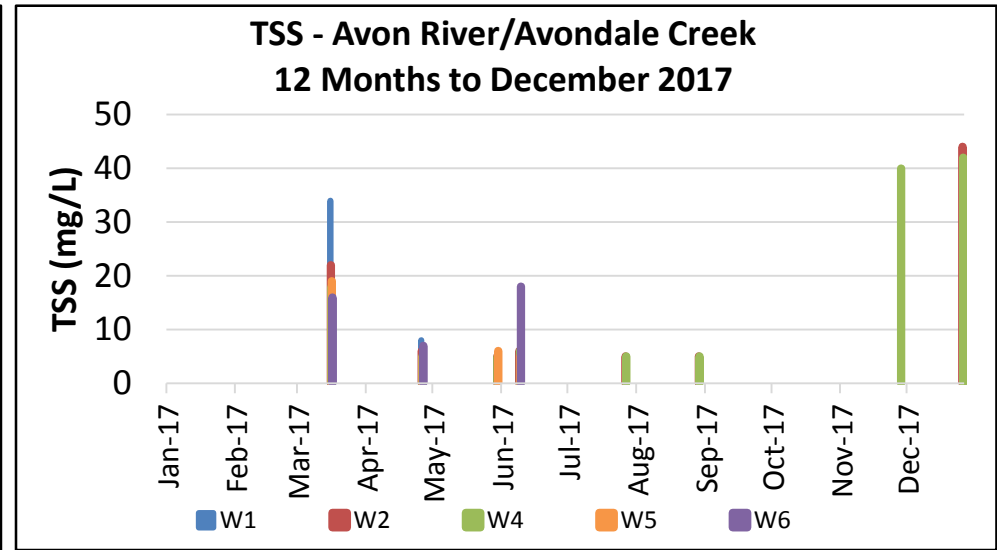
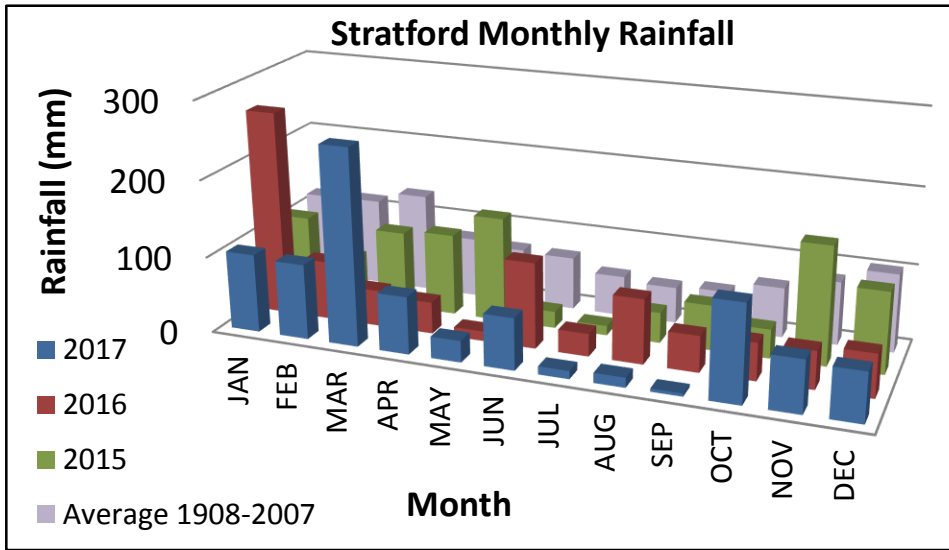
Management Area	Project	Status
Monitoring	<ul style="list-style-type: none"><li>Quarterly Noise Assessment</li></ul>	<ul style="list-style-type: none"><li>Routine quarterly monitoring has been completed in January 2018. No non-compliant results were recorded during the survey. Reports will be made available on the Stratford Coal website. The next monitoring is scheduled in April 2018.</li></ul>
Real-Time Noise	<ul style="list-style-type: none"><li>Real-Time Noise System</li></ul>	<ul style="list-style-type: none"><li>Limited operations, CHPP, stockpile dozer and train loading.</li><li>System operational for period 8pm to 8am. Noise profiles continue to be monitored and generally indicate no exceedence of the performance criteria due to mining/CHPP activities.</li><li>Alarms have been received generally between the hours of 6am-8am and following investigation found the main noise contributions to be from birds &amp; insects, traffic and freight trains. Occasionally dull noise from the plant and export train was audible.</li></ul>

# 3c. Water Management

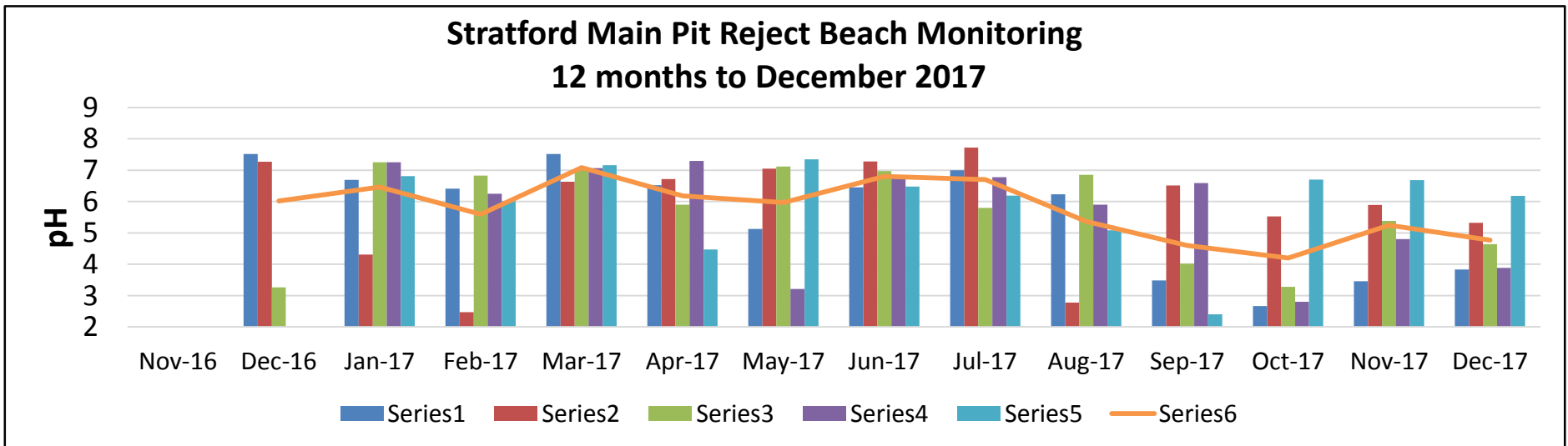
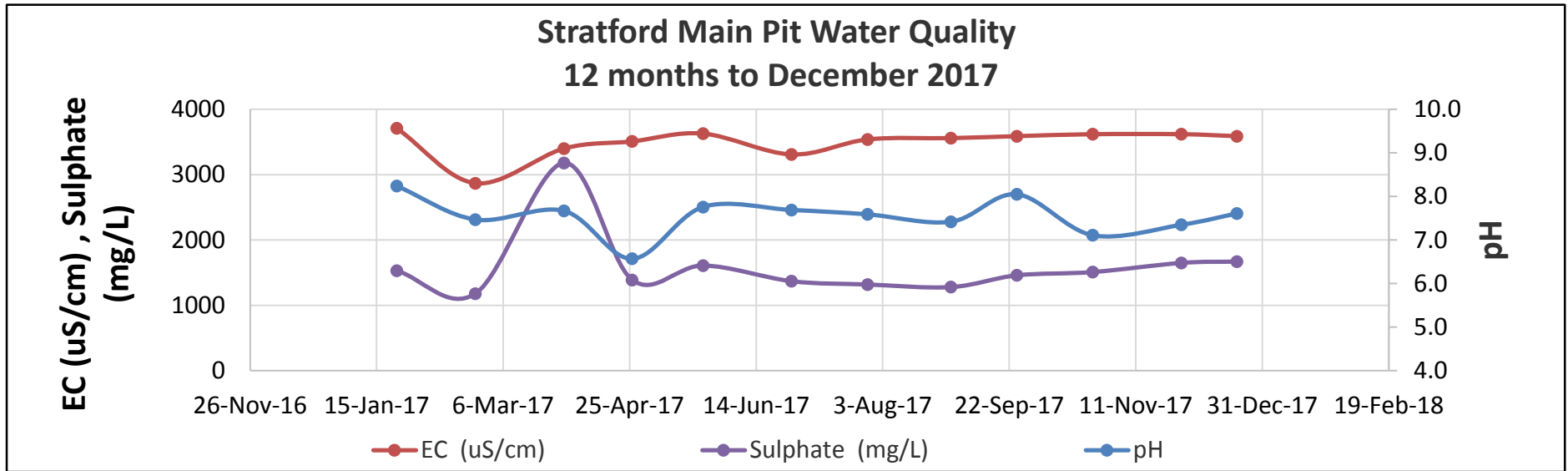
Management Area	Project	Status
Site Water Management	<ul style="list-style-type: none"><li>Annual water balance review.</li></ul>	<ul style="list-style-type: none"><li>The annual water balance reviews are currently being prepared.</li></ul>
Surface Water Monitoring	<ul style="list-style-type: none"><li>Routine monitoring</li><li>Aquatic Ecology - Macroinvertebrates</li></ul>	<ul style="list-style-type: none"><li>Sporadic and low rainfall conditions through Spring-Summer 2017.</li><li>Routine water sampling continued. All results consistent with the SCM Environmental Assessment predictions.</li><li>Macroinvertebrates monitoring was undertaken in September 2017. The monitoring continues to indicate negligible impacts associated with mining activities. The results reflected the extended dry period during winter and low flow condition.</li></ul>
Groundwater Monitoring	<ul style="list-style-type: none"><li>Routine monitoring</li></ul>	<ul style="list-style-type: none"><li>Routine groundwater sampling continued. All results consistent with the SCM Environmental Assessment predictions.</li></ul>



# 3c. Water Management



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# 3d. Rehabilitation Management

Management Area	Project	Status
Rehabilitated Waste Emplacements	<ul style="list-style-type: none"><li>• Stratford pasture rehabilitation &amp; centre pivot area.</li></ul>	<ul style="list-style-type: none"><li>• Maintenance has been completed on the pasture rehabilitation areas including extensive slashing, removal of acacia regrowth and repairs to erosion and drains.</li><li>• Fencing has been repaired and extended to allow grazing on additional pasture areas.</li></ul>
Monitoring	<ul style="list-style-type: none"><li>• Rehabilitation Landscape Function Analysis Monitoring</li></ul>	<ul style="list-style-type: none"><li>• Annual monitoring of the rehabilitation areas was undertaken during June 2017. A summary of the results will be included in the Annual Review 2017. The monitoring includes Landscape Function Analysis, vegetation dynamics and observational recordings.</li><li>• The monitoring continues to indicate good development of the native rehabilitation with increasing diversity and structure.</li></ul>



Photos: Slashing on Stratford rehabilitated pasture areas.



# 3e. Biodiversity Management

Management Area	Project	Status
Wildlife Corridor	<ul style="list-style-type: none"><li>• Avondale Creek tree planting</li></ul>	<ul style="list-style-type: none"><li>• During November 3000 native tubestock will be planted in the Avondale creek wildlife corridor to increase the density of native vegetation and improve habitat resources for native fauna.</li></ul>
Flora/Fauna	<ul style="list-style-type: none"><li>• Weed Control</li></ul>	<ul style="list-style-type: none"><li>• Weeds spraying recommenced during Summer 2017/18 on Mining Leases, Offset areas and Yancoal property.</li></ul>
Bushfire management	<ul style="list-style-type: none"><li>• Hazard Reduction Burning</li></ul>	<ul style="list-style-type: none"><li>• No further bushfire management activities have been undertaken during Q4 2017.</li></ul>

# 4. Community Complaints - Summary

## Stratford Complaint Summary

Period: 1/7/2017 - 31/12/2017

Period: 6 Months

Total No. of Complaints: 0

Total No. of Complainants: 0

Date/Time of Complaint	Complainant Location	Method of Complaint	Nature of Complaint	Investigation/Outcome
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# 5. Community Programs

Management Area	Project	Status
Community Engagement	<ul style="list-style-type: none"><li>Chatham Clontarf Academy</li><li>Local Land Service &amp; Gloucester Beef Industry Group</li></ul>	<ul style="list-style-type: none"><li>DCPL staff attended the Chatham Clontarf Academy 2017 awards night in Old Bar on 7 December 2017.</li><li>LLS has requested for a site visit to the Stratford rehabilitated pasture areas. LLS indicated there was interest from the local beef industry group. An initial visit with Norm Bignell and Albert Mullens was undertaken on 12 December 2017. A group site visit is planned in February 2018.</li></ul>