



# DIXON SAND

## MINUTES OF THE BI-ANNUAL COMMUNITY CONSULTATIVE COMMITTEE WEDNESDAY 3 MAY 2023 GLENORIE RSL CLUB

	NAME	ORGANISATION
<b>PRESENT</b>	Lisa Andrews (LA)	Independent Chairperson
	Lisa Aylward (LAy)	Maroota Public School Representative
	Hunny Churcher (HC)	Environmental Officer, Dixon Sand
	Mark Dixon (MD)	Dixon Sand
	Melissa Mass (MM)	Dixon Sand - Ecologist
	Farley Roberts (FR)	Community Representative
	Robert Buckham (RB)	The Hills Shire Council Representative
<b>APOLOGIES</b>	Jemma Roberts (JR)	Community Representative (alternate)
	Kristine McKenzie (KM)	The Hills Shire Council Representative
	Pat Schwartz (PS)	Community Representative
	David Dixon (DD)	General Manager, Dixon Sand
	Timothy Baker (TB)	Bush Regeneration Contractor (Bush-It)

<b>WELCOME &amp; INTRODUCTION</b>	LA opened the meeting at 1.05pm following a light luncheon. All members were welcomed.							
<b>APOLOGIES</b>	As listed above.							
<b>DECLARATIONS OF INTEREST</b>	LA declared that she is approved by the Department of Planning and Environment to chair the meeting and engaged by Dixon Sand.	<b>No changes to previous declarations by members.</b>						
<b>BUSINESS ARISING FROM PREVIOUS MEETING (9/11/22)</b>	<table border="1"> <thead> <tr> <th>Item</th> <th>Issue</th> <th>Responsibility</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Follow-up response from Robyn Preston MP regarding the school zone (held over) and include request for larger 60kph signs (near corner of Wisemans Ferry Rd and Old Northern Rd). – LA advised that she has contacted Ms Preston's office twice since the last meeting and has received no response to date, noting that the original contact was made 3 years ago.</td> <td>LA</td> </tr> </tbody> </table> <p>No other business arising.</p>	Item	Issue	Responsibility	1	Follow-up response from Robyn Preston MP regarding the school zone (held over) and include request for larger 60kph signs (near corner of Wisemans Ferry Rd and Old Northern Rd). – LA advised that she has contacted Ms Preston's office twice since the last meeting and has received no response to date, noting that the original contact was made 3 years ago.	LA	<p>LAy advised that she had lodged a request through Fulton Hogan who have cleared some of the vegetation around the signs and agreed to change them.</p> <p><b>Complete.</b></p>
Item	Issue	Responsibility						
1	Follow-up response from Robyn Preston MP regarding the school zone (held over) and include request for larger 60kph signs (near corner of Wisemans Ferry Rd and Old Northern Rd). – LA advised that she has contacted Ms Preston's office twice since the last meeting and has received no response to date, noting that the original contact was made 3 years ago.	LA						

<p><b>CORRESPONDENCE</b> <b>(as emailed with Meeting Notice on 5/4/23 with 3 additional items)</b></p>	<ul style="list-style-type: none"> <li>• 18/1/23 – Email from HC advising that the Dixon Sand Quarries has submitted its 2022 Independent Environmental Audit Reports and Proposed Actions to DPIE which are available on the project website.</li> <li>• 21/11/22- Draft minutes sent to members for review</li> <li>• 30/11/22 – Email to members with the finalised minutes.</li> <li>• 18/1/23 – Email to Robyn Preston MP following up previous representations and asking for larger 60kph signs to be erected on the corner (near corner of Wisemans Ferry Rd and Old Northern Rd).</li> <li>• 5/4/23 – Email to CCC members with the Meeting Notice, Agenda, and Correspondence Report for this meeting.</li> <li>• 28/4/23 – Email from HC with the information and letter to DPE regarding Modification 6 for DA 165-7-2005 for Haerses Road Quarry.</li> <li>• 1/5/23 – Email to Robyn Preston MP, following up again. We are now at the 3 year anniversary.</li> <li>• 2/5/23 – Email to members with the reminder for this meeting.</li> </ul>	
<p><b>PROJECT REPORT, INCLUDING PRODUCTION/SALES</b></p>	<p>MD advised that activities have been very busy on site with the building industry doing well. Sandstone blocks are coming out of Haerses Rd with the ones from ONR taken to Haerses Rd to finish off. Following approval of the Wash/Dry Plant in 2018 Stage 1 has now reached practical completion. The plant was designed and built by Rhomberg Sersa Australia under turnkey project with project permits and certification from Hills Shire Council and Urban City Group respectively. Will now be able to wash sand at Haerses Rd so each site will be stand alone.</p> <p>HC stated that Jamie advised that sandstone sales have increased due to regaining access to extraction pit areas which were flooded following the wet weather periods. Sales have therefore increased. In December 2022, Dixon Sand adopted the "Clearway" software which is recommended by the EPA and used extensively in the haulage and material tracking industry. The software tracks truck movements etc and provides live data. Information can go straight from the weighbridge to accounts, streamlining the system. Will soon update to include number plate recognition.</p> <p>MD advised that the consent has the ability to use clean VENM/ENM to assist with rehabilitation.</p> <p>HC stated that extraction at ONR is restricted to the same areas and increasing in depth. Extraction at</p>	<p><b>Questions asked and answered throughout the presentation.</b></p>

	<p>Haerses Road currently occur in Stages 1 and 2 (Tertiary sand, original DA) and Cells 1A, 1B, 2B and 3B (Friable sandstone, Mod 1 extraction area) Dixon Sand has retired enough biodiversity credits for Extraction Cells 1A, 1B, 2A, 2B &amp; 3B, and looking to purchase 4B next.</p>	
<p><b>ONR – Proposed DA Mod 6 - Extraction within existing cells to maximise resource</b></p>	<ul style="list-style-type: none"> <li>• Increase the depth of extraction within Lot 196 DP752025 to within 2m of the highest recorded regional wet weather groundwater level;</li> <li>• Import up to 250,000 tonnes per annum of virgin excavated natural material (VENM) and excavated natural material (ENM) within existing incoming trucks; and</li> <li>• Extend the quarry life by 11 years until 2053.</li> </ul> <p><b>Timeline</b></p> <ul style="list-style-type: none"> <li>○ 17 January 2023 - Scoping letter lodged with DPE</li> <li>○ 21 March 2023 - DPE confirms pathway of modifying consent under section 4.56 of the EP&amp;A Act.</li> </ul> <p>DPE requests in addition to the matters identified in the scoping letter for the Modification Report to include:</p> <ul style="list-style-type: none"> <li>○ A traffic assessment that considers the growth in background traffic over the period of the proposed extension; and</li> <li>○ An updated rehabilitation and final landform assessment that takes into account the proposed increase in extraction depth.</li> </ul>	<p><b>Sides: 9 &amp; 10</b></p>
<p><b>Haerses Rd Quarry – Proposed Mod 6.</b></p>	<p>Dixon Sand has signed the lease agreement with Crown Lands extending the life of the activities and resource.</p> <p>Proposed Modification:</p> <ul style="list-style-type: none"> <li>• Relocate the Site Building Envelope from the current approved location on Lot 177 (as per Mod 5) approximately 90m north within Lot 176</li> <li>• Relocate the Site Office to the existing residence on Lot A DP 407341</li> </ul> <p>The Proposed Modification is sought under section 4.55(1A) of the EP&amp;A Act on the basis that the proposed modification is of minimal environmental impact.</p> <p>CCC notified on 28 April 2023.</p> <p>Modification Report and Application lodged with DPE on 1 May 2023.</p>	<p><b>Slides: 11 &amp; 12</b></p>

<b>ENVIRONMENTAL MONITORING RESULTS</b>	HC commenced by explaining the locations of all the monitoring points and the schedule for conducting the monitoring.	<b>Slides: 13-18</b>												
<b>TEOM DATA</b>	<p>HC explained the TEOM data and measurement criteria.</p> <ul style="list-style-type: none"> <li>○ TEOM and Meteorological station records PM10 levels and weather data such as rain, temperature, wind etc.</li> <li>○ Monitoring Criteria – <ul style="list-style-type: none"> <li>• Long term: Annual PM10 average (light blue line) should not exceed the annual average criteria (pink line – 30µg/m3) –</li> <li>• Short term: 24hr PM10 average (blue bars) should not exceed the 24hr PM10 NEPM Criteria (yellow line – 50µg/m3) –</li> <li>• Short term: If the 24hr PM10 EPL Criteria Level (green line – 42µg/m3) is exceeded by the 24hr PM10 average (blue bars), and the prevailing wind is from the specific quadrant Dixon Sand is required to: <ul style="list-style-type: none"> <li>• Notify EPA</li> <li>• Take immediate action to reduce PM10 levels</li> <li>• Stop works if levels do not fall below 42µg/m3 within 1 hour</li> </ul> </li> </ul> </li> <li>○ TEOM station represent the EPL Points 1 &amp; 3</li> </ul>	<b>Slides: 19-20</b>												
<b>DEPOSITIONAL DUST DATA</b>	<p>Dust data for this monitoring period: Jul 2022 – April 2023:</p> <table border="1" data-bbox="507 1240 944 1554"> <thead> <tr> <th>Location</th> <th>Dust Gauge</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Old Northern Road</td> <td>D1A Access road</td> </tr> <tr> <td>D4 Rehab area</td> </tr> <tr> <td>D5 Bundwall</td> </tr> <tr> <td>D7 Mullock Heap</td> </tr> <tr> <td rowspan="4">Haerses Road</td> <td>D8 Olive Grove</td> </tr> <tr> <td>D10 Haerses Road (EPL Point 3)</td> </tr> <tr> <td>D11 Receiver R6</td> </tr> <tr> <td>D12 Receiver R8</td> </tr> </tbody> </table>	Location	Dust Gauge	Old Northern Road	D1A Access road	D4 Rehab area	D5 Bundwall	D7 Mullock Heap	Haerses Road	D8 Olive Grove	D10 Haerses Road (EPL Point 3)	D11 Receiver R6	D12 Receiver R8	<b>See graphs for results. Slides: 21-30 (maps)</b>
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<b>NOISE MONITORING</b>	<p>ONR &amp; Haerses Rd:</p> <p>Tables of noise monitoring locations indicating: Receivers, property addresses, descriptions and extrapolated monitoring results.</p>	<b>See Slides 31-35 For location of monitoring sites and summary of data.</b>												
<b>GROUND WATER MONITORING</b>	<p><b>GW Monitoring wells</b></p> <ul style="list-style-type: none"> <li>• ONR 11 x BH</li> <li>• HR 22 x BH</li> </ul> <p><b>GW levels:</b></p> <ul style="list-style-type: none"> <li>• Monthly + continuous data loggers</li> </ul> <p><b>GW quality sampling &amp; lab analysis:</b></p> <ul style="list-style-type: none"> <li>• 6 monthly sampling and testing</li> </ul>	<b>Graphs explained - See Slides 36-50 (maps)</b>												

	MD advised that DPE & DPI-Water agreed on the locations. Golder WSP have been engaged to review the groundwater levels and revise the Maximum Extraction Depth Maps for both quarries, following the Independent Environmental Audit which are carried out every 3 years.							
<b>SURFACE WATER MONITORING</b>	<p><b>ONR</b></p> <ul style="list-style-type: none"> <li>SW19 = Surface water monitoring at creek on Lot 196</li> <li>LDP1 = EPL 3916 Licenced Discharge Point at Weir of Main Water Channel</li> </ul> <p><b>HR</b></p> <ul style="list-style-type: none"> <li>SW1 = Surface water monitoring at creek east of extraction Stage 2 East (inside the Biodiversity Offset Area)</li> <li>SW2 = Surface water monitoring at creek west of extraction Cell 1A (Mod 1)</li> <li>Basin 1.</li> </ul> <p>No discharges have been carried out. All within criteria.</p>	<b>Graphs/Tables explained - See Slides 51-54</b>						
	<p><b>ONR – Licenced Discharge Point on the EPL 3916 (Main Water Channel)</b></p> <table border="1" data-bbox="571 949 1066 1122"> <thead> <tr> <th colspan="2">EPL 3916 water quality criteria</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>TSS (mg/L)</td> </tr> <tr> <td>4.5 – 6.5</td> <td>50</td> </tr> </tbody> </table> <p>No planned discharge of water during period: November 2022 – May 2023.</p>	EPL 3916 water quality criteria		pH	TSS (mg/L)	4.5 – 6.5	50	
EPL 3916 water quality criteria								
pH	TSS (mg/L)							
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<b>BUSH REGENERATION WORKS</b>	<p>Presented by HC &amp; MM:</p> <p><b><u>Old Northern Rd Works Areas: Rehabilitation of Lot 196</u></b></p> <p><b>Challenges:</b></p> <ul style="list-style-type: none"> <li>Machinery-compacted soils on North-facing aspect</li> <li>Missing all native vegetation strata</li> </ul> <p><b>Achievements:</b></p> <ul style="list-style-type: none"> <li>Treatment of exotic grass (mostly Whiskey Grass) to prevent seed-set and spread.</li> <li>Revegetation with shrubs and trees (plus couple of Melaluca deanei) to be undertaken in May this year.</li> </ul> <p><b>Future Works:</b></p> <ul style="list-style-type: none"> <li>Continued revegetation with locally endemic trees, shrubs and grasses (creating dense enrichment nodes)</li> <li>Further weed control works.</li> </ul> <p><b><u>Assisted Regeneration - Native Vegetation Corridor (NVC)</u></b></p>	<b>See photographs in Slides 55-64</b>						

	<p><b>Challenges</b></p> <ul style="list-style-type: none"> <li>• Minimal microbial and mycorrhizal fungi</li> <li>• Infestation of exotic grasses</li> </ul> <p><b>Achievements</b></p> <ul style="list-style-type: none"> <li>• Treatment of exotic grass has prevented seed-set and spread.</li> <li>• Propagation of brush-matted material</li> </ul> <p><b>Future Work</b></p> <ul style="list-style-type: none"> <li>• Continue to cull assertive shrub species to promote diversity</li> <li>• Melaleuca deanii to be planted in May</li> </ul> <p><b><u>Assisted Regeneration - Native Vegetation Corridor</u></b></p> <p>The 6 months to November has seen:</p> <ul style="list-style-type: none"> <li>• Outstanding new growth of native species</li> <li>• Encouraging growth of Melaleuca deanii plantings</li> <li>• Excellent natural recruitment from the seed bank.</li> </ul> <p><b><u>Rehabilitation of Lot 2</u></b></p> <p><b>Challenges</b></p> <ul style="list-style-type: none"> <li>• Excessive surface water flows and waterlogged soils.</li> <li>• Extensive infestation of Bamboo, Lantana and exotic grass.</li> </ul> <p><b>Achievements</b></p> <ul style="list-style-type: none"> <li>• Treatment of exotic grass to prevent seed-set and spread.</li> <li>• Removal of Lantana and recovery of native species.</li> </ul> <p><b>Future Work</b></p> <ul style="list-style-type: none"> <li>• Continued revegetation of disturbed grassy areas</li> <li>• Follow-up work on Lantana needed asap.</li> </ul> <p><b><u>Assisted Regeneration - Haerses Road Biodiversity Offset</u></b></p> <p><b>Challenges</b></p> <ul style="list-style-type: none"> <li>• Encroachment of invasive species along an extended edge and along drainage lines</li> </ul> <p><b>Achievements</b></p> <ul style="list-style-type: none"> <li>• Treatment of exotic grass/Crofton Weed to prevent seed-set and spread.</li> <li>• Manual treatment and minimal herbicide use has resulted in a dense buffer of native shrubs and canopy species.</li> </ul> <p><b>Future Work</b></p> <ul style="list-style-type: none"> <li>• Continued monitoring for incursions along the leading edge</li> </ul> <p><b><u>Haerses Rd - Translocation</u></b></p> <p><b>Challenges</b></p> <ul style="list-style-type: none"> <li>• Dominance of assertive native canopy species – Kunzea, Melaleuca and Acacia spp.</li> </ul>	
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	<ul style="list-style-type: none"> <li>• Infestation by invasive exotic grasses (Common Couch in particular).</li> </ul> <p><b>Achievements</b></p> <ul style="list-style-type: none"> <li>• Treatment of exotic grass to prevent seed-set and spread.</li> <li>• Select thinning of assertive native canopy species has promoted understorey natives.</li> <li>• Control of Crofton weed throughout</li> </ul> <p><b>Future Work</b></p> <ul style="list-style-type: none"> <li>• Continued treatment of grasses</li> <li>• Thinning of assertive native canopy.</li> </ul> <p><b>Haerses Rd – Visual buffer along Wisemans Ferry Rd (30m)</b></p> <p><b>Challenges</b></p> <ul style="list-style-type: none"> <li>• Exposed to surrounding impacts and fairly degraded soil</li> <li>• Weed density relatively high</li> </ul> <p><b>Achievements</b></p> <ul style="list-style-type: none"> <li>• Treatment of exotic vines and Blackberry mostly.</li> <li>• Outstanding clearing/capping works by some skilful operator</li> <li>• Planted ~240 trees, shrubs and groundcovers</li> </ul> <p><b>Future Work</b></p> <ul style="list-style-type: none"> <li>• Continued monitoring and maintenance weed control work.</li> </ul>	
<p><b>BIODIVERSITY AND REHABILITATION (Threatened Species Update)</b></p>	<p>MM provided the following presentation:</p> <p><b>Biodiversity and Rehabilitation Annual Report 2022</b></p> <ul style="list-style-type: none"> <li>✚ The Biodiversity and Rehabilitation Annual Report for ONR identifies native flora and fauna within the Native Vegetation Corridor and the Haerses Road Biodiversity Offset Area, it monitors the success of the rehabilitation area within the NVC and describes the current condition of threatened flora and fauna and their habitats within the Old Northern Road site and the HRBOA.</li> <li>✚ The 2022 Biodiversity and Rehabilitation Annual Report was completed in September and submitted with the Annual Review of 30<sup>th</sup> September 2022.</li> <li>✚ The results found the rehabilitation areas are thriving and increasing in diversity and density. Ideal growing conditions with favourable temperatures and regular rainfall over the past 2 years has improved the overall biodiversity of the NVC and HRBOA sites.</li> <li>✚ Survey works have begun for the preparation of the 2023 report.</li> </ul> <p><b>BCT Reporting</b></p> <p>The Annual Management Report for year 4 was completed in March - Passive Management at Haerses Road and Porters Road Biobank sites.</p>	<p><b>See Slides 65 – 73 (see photographs)</b></p>

<b>GENERAL BUSINESS</b>	<ul style="list-style-type: none"> <li>○ FR advised that trucks are still travelling too fast along Wisemans Ferry Rd, but not the sand trucks. Usually the single cab trucks (demolition, etc).</li> <li>○ LAy thanked DD for the retaining wall at the school. The landscaping logs were installed by Cameron from CameX Contractors who did a great job.</li> </ul>	
<b>NEXT MEETING</b>	<ul style="list-style-type: none"> <li>✚ Wednesday 8 November 2023. Glenorie RSL - 12.30pm with a light lunch, followed by the CCC commencing at 1pm.</li> </ul>	<b>Agreed.</b>

*The meeting was closed at 2:39pm with the chair thanking all members for their attendance.*

**NO ACTION ITEMS.**