

## Dunloe Quarterly Environmental Report

|                 |  |
|-----------------|--|
| <b>Author:</b>  | NSW Planning & Environment Coordinator<br><br>Holcim Planning & Environment Team |
| <b>Title:</b>   | Quarter 3 Environmental Report (July- September).                                |
| <b>Company:</b> | Holcim Dunloe Sand Quarry  |

### 1. Introduction

Dunloe Sand is located at Pottsville, within the Tweed Shire, NSW. The site produces a very high quality, fine concrete sand as well as a variety of other sand products including plasterer sand, bunker sand and fill sand.

To ensure compliance with the conditions of the Project Approval the site undertakes quarterly environmental reports and makes copies available on the Holcim Dunloe webpage (in accordance with the condition below).

*11. During the project, the Proponent shall:*

*(a) make a summary of monitoring results required under this approval publicly available at the Proponent's regional office; and*

*(b) update these results regularly (at least every 3 months), to the satisfaction of the Director-General.*

A summary of the results for Quarter 3 (July- September 2016) are detailed in the tables below:

### 2. Water Quality

#### 2.1. Surface Water (In situ Pond)

| <u>Date</u> | <u>pH</u> | <u>EC</u> | <u>Dissolved O<sub>2</sub></u> | <u>Turbidity</u> | <u>Oil &amp; Grease</u> |
|-------------|-----------|-----------|--------------------------------|------------------|-------------------------|
| 21/07/2016  | 4.5       | 546.4     | 9.3                            | 1.2              | NR                      |
| 31/08/2016  | 4.0       | 618       | 9.1                            | 2.0              | <2                      |
| 29/09/2016  | 4.1       | 651       | 8.7                            | 2.6              | <2                      |

**2.2. Surface Water (Quarterly Lake- Chemical Analysis)**

| <u>Date</u> | <u>Test</u>     | <u>Result</u> |
|-------------|-----------------|---------------|
| 29/09/2016  | Chlorophyll "a" | 10            |
|             | Ammonia         | <0.02         |
|             | Magnesium       | 7.9           |
|             | Sodium          | 27            |
|             | Potassium       | 6             |
|             | Sulfate         | 220           |
|             | Aluminium       | 2.83          |
|             | Arsenic         | 0.002         |
|             | Iron            | 0.41          |
|             | Manganese       | 0.393         |

**2.3. Surface Water (Quarterly Lake Vertical Profile)**

| <u>Date</u> | <u>Test</u>  | <u>Lake 2m</u> | <u>Lake 3m</u> | <u>Lake 4m</u> | <u>Lake 5m</u> | <u>Lake 6m</u> |
|-------------|--------------|----------------|----------------|----------------|----------------|----------------|
| 29/09/2016  | pH           | 4.1            | 4.1            | 4.0            | 4.0            | 4.5            |
|             | Conductivity | 647            | 650            | 648            | 647            | 627            |
|             | Dissolved O2 | 8.8            | 8.8            | 8.8            | 8.8            | 8.4            |

#### 2.4. Surface Water- Lake (Blue Green Algae)

| <u>Test</u>                     | <u>Result- 31/08/2016</u> | <u>Result- 30/09/2016</u> |
|---------------------------------|---------------------------|---------------------------|
| Cyanophyta (cells/mL)           | 840                       | NR Detected               |
| Cyanophyta (biovolume)          | 0.01                      | NR Detected               |
| Potentially Toxic Species       | NR Detected               | NR Detected               |
| Potentially Toxic Biovol        | NR Detected               | NR Detected               |
| <i>Pseudanabaena</i> (Cyan).    | 840                       | NR Detected               |
| <i>Pseudanabaena</i> Biovolume. | 0.01                      | NR Detected               |
| Chlorophyta (cells/mL)          | 61, 500                   | 920                       |
| Dinophyta (Dinoflagellates)     | NR Detected               | 175                       |

#### 2.5. Groundwater (Monthly)

| <u>Sample Date</u> | <u>Sample Location</u> | <u>pH</u> | <u>EC</u> | <u>DO</u> | <u>*Redox Potential</u> |
|--------------------|------------------------|-----------|-----------|-----------|-------------------------|
| 21/07/2016         | DLP 1                  | 3.9       | 142.2     | 6.8       | 384                     |
|                    | DLP 3                  | 6.5       | 6868.2    | 6.6       | 262                     |
|                    | DLP 5                  | 4.4       | 321.5     | 5.2       | 297                     |
|                    | DLP 6                  | 3.5       | 1731.9    | 1.3       | 338                     |
|                    | DLP 7                  | 7.5       | 3159      | 6.5       | -31                     |
| 31/08/2016         | DLP 1                  | 4.0       | 140       | 6.5       | 321                     |
|                    | DLP 3                  | 6.5       | 7281      | 5.8       | 170                     |
|                    | DLP 5                  | 4.4       | 348       | 4.4       | 230                     |
|                    | DLP 6                  | 3.7       | 1783      | 3.8       | 262                     |

|            |       |     |      |     |     |
|------------|-------|-----|------|-----|-----|
|            | DLP 7 | 7.3 | 3364 | 3.7 | -22 |
| 29/09/2016 | DLP 1 | 3.9 | 151  | 2.5 | 366 |
|            | DLP 3 | 6.1 | 7313 | 2.5 | 221 |
|            | DLP 5 | 4.4 | 399  | 2.5 | 285 |
|            | DLP 6 | 3.8 | 1738 | 1.9 | 189 |
|            | DLP 7 | 7.2 | 3558 | 2.4 | 44  |

## 2.6. Ground Water (Quarterly Chemical Analysis)

| Sample Date | Analysis         | DLP 3  | DLP 5 | DLP 6  | DLP 7 |
|-------------|------------------|--------|-------|--------|-------|
| 31/08/2016  | Alkalinity       | 121    | <1    | <1     | 369   |
|             | Bicarbonate      | 121    | NP    | NP     | 369   |
|             | Chloride         | 2650   | 89    | 790    | 760   |
|             | Calcium          | 78     | 2.2   | 24     | 16    |
|             | Magnesium        | 121    | 2.8   | 22     | 35    |
|             | Sodium           | 1350   | 57    | 14     | 604   |
|             | Potassium        | 46     | <5    | <5     | 24    |
|             | Sulfur (Sulfate) | 170    | 28    | 1100   | 217   |
|             | Aluminium        | 4.11   | 0.52  | 73.2   | 0.40  |
|             | Arsenic          | <0.001 | 0.001 | <0.001 | 0.001 |
|             | Iron             | 3.33   | 11.2  | 241    | 2.07  |
|             | Manganese        | 0.705  | 0.016 | 2.32   | 0.023 |
| Ammonia     | <0.02            | 0.24   | 1.15  | 0.04   |       |

**2.7. Surface Water Quarterly (Surrounding Environment)**

| <b>Sample Date</b> | <b>Analysis</b> | <b>SW3</b> | <b>SW4</b> | <b>SW9</b> | <b>SW10</b> |
|--------------------|-----------------|------------|------------|------------|-------------|
| 29/09/2016         | pH              | 7.4        | 6.9        | 6.9        | 6.9         |
|                    | EC              | 36, 425    | 17, 005    | 21, 421    | 7210        |
|                    | DO              | 7.1        | 6.9        | 6.9        | 7.8         |
|                    | Turbidity       | 4.3        | 15         | 8.4        | 19          |
|                    | Susp Solids     | 6.2        | 8.5        | 6.4        | 10          |
|                    | Phosphorous     | 0.02       | 0.02       | <0.02      | 0.02        |
|                    | Total- N        | 0.23       | 0.34       | 0.26       | 0.58        |

**3. Air Quality**

Dust deposition monitoring was undertaken at Dunloe Quarry throughout Q3 of 2016. A copy of the results are listed in the table below:

| <b>Date</b>      | <b>Sample Location</b> | <b>Result (mg/m<sup>2</sup>/month)</b> | <b>Result (PASS/ FAIL)</b> |
|------------------|------------------------|--|----------------------------|
| <b>July</b>      | D1                     | 0.13                                   | <b>PASS</b>                |
|                  | D2                     | 0.52                                   | <b>PASS</b>                |
|                  | D3                     | 0.41                                   | <b>PASS</b>                |
|                  | D4                     | 0.39                                   | <b>PASS</b>                |
| <b>August</b>    | D1                     | 0.6                                    | <b>PASS</b>                |
|                  | D2                     | 0.5                                    | <b>PASS</b>                |
|                  | D3                     | 0.3                                    | <b>PASS</b>                |
|                  | D4                     | 0.4                                    | <b>PASS</b>                |
| <b>September</b> | D1                     | 0.8                                    | <b>PASS</b>                |
|                  | D2                     | 0.5                                    | <b>PASS</b>                |
|                  | D3                     | 0.4                                    | <b>PASS</b>                |
|                  | D4                     | 0.3                                    | <b>PASS</b>                |

#### **4. Vegetation Monitoring**



| FORM A: ROUTINE QUARTERLY REHABILITATION MONITORING SHEET   |  |  |
|---|--|--|
| <p><b>General Management</b></p> <p>Has there been a fire within the last quarter? <u>NO</u></p> <p>Do the bushfire trails or adjacent pasture areas require slashing or maintenance to reduce fire risk? <u>NO</u></p> <p>Is there evidence of rubbish dumping within the rehabilitation zones? <u>NO</u></p> <p>Is there evidence of plant theft within the rehabilitation zone? <u>NO</u></p> <p>Does it appear that the rehabilitation zone has been utilized for stockpiling, vehicle parking, building waste dumping, cattle grazing or person traffic? <u>NO</u></p> <p>If yes, acknowledge below what works were undertaken to rectify/restore and the date _____</p> | <p><b>Weeds</b></p> <p>Have any areas of weeds re-established within the rehabilitation zones during the last quarter? <u>NO</u></p> <p>What species? _____</p> <p>What management was undertaken to eradicate these weeds? _____</p> <p>If management was undertaken acknowledge that such was performed in accordance with the approved rehabilitation management plan. _____</p>                              | <p><b>Vegetation regeneration</b></p> <p>Natural regeneration is occurring in (record height range estimate):</p> <ul style="list-style-type: none"> <li>- Tree species <u>Yes 5-8m</u></li> <li>- Shrub species <u>Yes 1-3m</u></li> <li>- ground covers <u>Yes</u></li> </ul> <p>What are the dominant species within each layer?</p> <ul style="list-style-type: none"> <li>- Tree <u>Metelnuca/Casuarina</u></li> <li>- Shrub _____</li> <li>- ground covers _____</li> </ul> <p>Have you noticed any new native plant species since the last monthly inspection? <u>NO</u></p> <p>If yes name the species or take a photograph _____</p> <p>Acknowledge that the required routine photographs have been taken within the rehabilitation zones _____</p> |
| <p><b>Biodiversity</b></p> <p>Have you spotted native fauna within the rehabilitation zone during inspection? <u>Yes</u></p> <p>If yes, what types?</p> <p>Koala _____</p> <p>Kangaroo/wallaby <u>Yes</u></p> <p>Possums/glidens _____</p> <p>Small mammal (i.e. bandicoot, echidna) _____</p> <p>Reptiles (i.e. snakes/lizards) _____</p> <p>Birds of prey <u>Yes</u></p> <p>Large nectar feeding birds (i.e. lorikeets, parrots, cockatoos) _____</p> <p>Small tree and ground birds (i.e. finches, fairy wrens, treecreepers) <u>Yes</u></p> <p>Glossy Black Cockatoos _____</p> <p>Other _____</p>  | <p><b>Modifications</b></p> <p>Have there been any structural additions (eg. new tracks, buildings) to the rehabilitation zones since the last visit? <u>NO</u></p> <p>What actions were undertaken to remove any illegal modifications? _____</p> <p><b>Condition of fences</b></p> <p><u>Good</u></p> <ul style="list-style-type: none"> <li>- Need minor repair</li> <li>- Poor (need replacement)</li> </ul> | <p>Are any of the following performance criteria exceeded (refer Section 4.5 below)?</p> <p>Declared Weeds? <u>NO</u></p> <p>Extent of other Weeds? <u>NO</u></p> <p>Survival Rate of Plants? <u>NO</u></p> <p>Condition of Plants? <u>NO</u></p> <p>Canopy Coverage? <u>NO</u></p> <p>Tree, Small Tree &amp; Shrub Diversity? _____</p> <p>Groundcover Coverage? _____</p> <p>General Coverage/Success? _____</p> <p>If yes, what corrective action was performed (i.e. plant showed drought stress and so watering was undertaken, plant was dead so a replacement plant was pocket planted, canopy plant coverage was not achieved so relevant pioneer plants were pocket planted).</p>   |



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| <p><b>General Management</b></p> <p>Has there been a fire within the last quarter? <u>NO</u></p> <p>Do the bushfire trails or adjacent pasture areas require slashing or maintenance to reduce fire risk? <u>NO</u></p> <p>Is there evidence of rubbish dumping within the rehabilitation zones? <u>NO</u></p> <p>Is there evidence of plant theft within the rehabilitation zone? <u>NO</u></p> <p>Does it appear that the rehabilitation zone has been utilized for stockpiling, vehicle parking, building waste dumping, cattle grazing or person traffic? <u>NO</u></p> <p>If yes, acknowledge below what works were undertaken to rectify/restore and the date _____</p> | <p><b>Weeds</b></p> <p>Have any areas of weeds re-established within the rehabilitation zones during the last quarter? <u>NO</u></p> <p>What species? _____</p> <p>What management was undertaken to eradicate these weeds? _____</p> <p>If management was undertaken acknowledge that such was performed in accordance with the approved rehabilitation management plan. _____</p> | <p><b>Vegetation regeneration</b></p> <p>Natural regeneration is occurring in (record height range estimate):</p> <p>- Tree species <u>Melaleuca/casuarina</u> <sup>Smt.</sup></p> <p>- Shrub species _____</p> <p>- ground covers <u>Austrocyathus-lm.</u></p> <p>What are the dominant species within each layer?</p> <p>- Tree <u>Melaleuca.</u></p> <p>- Shrub <u>Banksia.</u></p> <p>- ground covers <u>Austrocyathus</u></p> <p>Have you noticed any new native plant species since the last monthly inspection? <u>NO</u></p> <p>If yes name the species or take a photograph _____</p> <p>Acknowledge that the required routine photographs have been taken within the rehabilitation zones _____</p> |
| <p><b>Biodiversity</b></p> <p>Have you spotted native fauna within the rehabilitation zone during inspection?</p> <p>If yes, what types?</p> <p>Koala _____</p> <p>Kangaroo/wallaby <u>Yes</u></p> <p>Possums/gliders <u>Yes</u></p> <p>Small mammal (i.e. bandicoot, echidna) _____</p> <p>Reptiles (i.e. snakes/lizards) <u>Yes</u></p> <p>Birds of prey _____</p> <p>Large nectar feeding birds (i.e. lorikeets, parrots, cockatoos) _____</p> <p>Small tree and ground birds (i.e. finches, fairy wrens, treecreepers) _____</p> <p>Glossy Black Cockatoos _____</p> <p>Other _____</p>   | <p><b>Modifications</b></p> <p>Have there been any structural additions (eg. new tracks, buildings) to the rehabilitation zones since the last visit? <u>NO</u></p> <p>What actions were undertaken to remove any illegal modifications? _____</p> <p><b>Condition of fences</b></p> <p>- <u>Good</u></p> <p>- Need minor repair</p> <p>- Poor (need replacement)</p>               | <p>Are any of the following performance criteria exceeded (refer Section 4.5 below)?</p> <p>Declared Weeds? <u>NO</u></p> <p>Extent of other Weeds? <u>N</u></p> <p>Survival Rate of Plants? <u>N</u></p> <p>Condition of Plants? <u>N</u></p> <p>Canopy Coverage? <u>N</u></p> <p>Tree, Small Tree &amp; Shrub Diversity? <u>N</u></p> <p>Groundcover Coverage? <u>N</u></p> <p>General Coverage/Success? <u>N</u></p> <p>If yes, what corrective action was performed (i.e. plant showed drought stress and so watering was undertaken, plant was dead so a replacement plant was pocket planted, canopy plant coverage was not achieved so relevant pioneer plants were pocket planted).</p>               |





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| General Management   | Weeds  | Vegetation regeneration  |
|--|--|--|
| <p>Has there been a fire within the last quarter? <u>NO</u></p> <p>Do the bushfire trails or adjacent pasture areas require slashing or maintenance to reduce fire risk? <u>NO</u></p> <p>Is there evidence of rubbish dumping within the rehabilitation zones? <u>NO</u></p> <p>Is there evidence of plant theft within the rehabilitation zone? <u>NO</u></p> <p>Does it appear that the rehabilitation zone has been utilized for stockpiling, vehicle parking, building waste dumping, cattle grazing or person traffic? <u>NO</u></p> <p>If yes, acknowledge below what works were undertaken to rectify/restore and the date _____</p> | <p>Have any areas of weeds re-established within the rehabilitation zones during the last quarter? <u>NO</u></p> <p>What species? _____</p> <p>What management was undertaken to eradicate these weeds? _____</p> <p>If management was undertaken acknowledge that such was performed in accordance with the approved rehabilitation management plan. _____</p>  | <p>Natural regeneration is occurring in (record height range estimate):</p> <ul style="list-style-type: none"> <li>- Tree species <u>4-5m</u></li> <li>- Shrub species <u>2.3m</u></li> <li>- ground covers <u>1m.</u></li> </ul> <p>What are the dominant species within each layer?</p> <ul style="list-style-type: none"> <li>- Tree <u>Bambusia / Melaleuca.</u></li> <li>- Shrub _____</li> <li>- ground covers _____</li> </ul> <p>Have you noticed any new native plant species since the last monthly inspection? <u>NO</u></p> <p>If yes name the species or take a photograph _____</p> <p>Acknowledge that the required routine photographs have been taken within the rehabilitation zones _____</p> |
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|---|--|---|
| <p><b>General Management</b></p> <p>Has there been a fire within the last quarter? <u>NO</u></p> <p>Do the bushfire trails or adjacent pasture areas require slashing or maintenance to reduce fire risk? <u>NO</u></p> <p>Is there evidence of rubbish dumping within the rehabilitation zones? <u>NO</u></p> <p>Is there evidence of plant theft within the rehabilitation zone? <u>NO</u></p> <p>Does it appear that the rehabilitation zone has been utilized for stockpiling, vehicle parking, building waste dumping, cattle grazing or person traffic? <u>NO</u></p> <p>If yes, acknowledge below what works were undertaken to rectify/restore and the date <u>NO</u></p> | <p><b>Weeds</b></p> <p>Have any areas of weeds re-established within the rehabilitation zones during the last quarter? <u>NO</u></p> <p>What species? _____</p> <p>What management was undertaken to eradicate these weeds? _____</p> <p>If management was undertaken acknowledge that such was performed in accordance with the approved rehabilitation management plan. _____</p>                                      | <p><b>Vegetation regeneration</b></p> <p>Natural regeneration is occurring in (record height range estimate):</p> <ul style="list-style-type: none"> <li>- Tree species <u>5m</u></li> <li>- Shrub species <u>2m</u></li> <li>- ground covers <u>1m</u></li> </ul> <p>What are the dominant species within each layer?</p> <ul style="list-style-type: none"> <li>- Tree <u>Banksia/melaleuca</u></li> <li>- Shrub _____</li> <li>- ground covers _____</li> </ul> <p>Have you noticed any new native plant species since the last monthly inspection? <u>NO</u></p> <p>If yes name the species or take a photograph _____</p> <p>Acknowledge that the required routine photographs have been taken within the rehabilitation zones</p> |
| <p><b>Biodiversity</b></p> <p>Have you spotted native fauna within the rehabilitation zone during inspection?</p> <p>If yes, what types?</p> <p>Koala _____</p> <p>Kangaroo/wallaby <u>Yes</u></p> <p>Possums/glidens _____</p> <p>Small mammal (i.e. bandicoot, echidna) _____</p> <p>Reptiles (i.e. snakes/lizards) _____</p> <p>Birds of prey _____</p> <p>Large nectar feeding birds (i.e. lorikeets, parrots, cockatoos) _____</p> <p>Small tree and ground birds (i.e. finches, fairy wrens, treecreepers) _____</p> <p>Glossy Black Cockatoos _____</p> <p>Other _____</p>   | <p><b>Modifications</b></p> <p>Have there been any structural additions (eg. new tracks, buildings) to the rehabilitation zones since the last visit? <u>NO</u></p> <p>What actions were undertaken to remove any illegal modifications? <u>NO</u></p> <p><b>Condition of fences</b></p> <ul style="list-style-type: none"> <li>- <u>Good</u></li> <li>- Need minor repair</li> <li>- Poor (need replacement)</li> </ul> | <p>Are any of the following performance criteria exceeded (refer Section 4.5 below)?</p> <p>Declared Weeds? <u>NO</u></p> <p>Extent of other Weeds? <u>N</u></p> <p>Survival Rate of Plants? <u>N</u></p> <p>Condition of Plants? <u>N</u></p> <p>Canopy Coverage? <u>N</u></p> <p>Tree, Small Tree &amp; Shrub Diversity? <u>N</u></p> <p>Groundcover Coverage? <u>N</u></p> <p>General Coverage/Success? <u>N</u></p> <p>If yes, what corrective action was performed (i.e. plant showed drought stress and so watering was undertaken, plant was dead so a replacement plant was pocket planted, canopy plant coverage was not achieved so relevant pioneer plants were pocket planted).</p>   |



| FORM A: ROUTINE QUARTERLY REHABILITATION MONITORING SHEET   |  |  |
|---|--|--|
| <p><b>General Management</b></p> <p>Has there been a fire within the last quarter? <u>NO</u></p> <p>Do the bushfire trails or adjacent pasture areas require slashing or maintenance to reduce fire risk? <u>NO</u></p> <p>Is there evidence of rubbish dumping within the rehabilitation zones? <u>NO</u></p> <p>Is there evidence of plant theft within the rehabilitation zone? <u>NO</u></p> <p>Does it appear that the rehabilitation zone has been utilized for stockpiling, vehicle parking, building waste dumping, cattle grazing or person traffic? <u>NO</u></p> <p>If yes, acknowledge below what works were undertaken to rectify/restore and the date</p> | <p><b>Weeds</b></p> <p>Have any areas of weeds re-established within the rehabilitation zones during the last quarter? <u>NO</u></p> <p>What species? _____</p> <p>What management was undertaken to eradicate these weeds? _____</p> <p>If management was undertaken acknowledge that such was performed in accordance with the approved rehabilitation management plan. _____</p>                                  | <p><b>Vegetation regeneration</b></p> <p>Natural regeneration is occurring in (record height range estimate):</p> <ul style="list-style-type: none"> <li>- Tree species <u>5m</u></li> <li>- Shrub species <u>3m</u></li> <li>- ground covers <u>1</u></li> </ul> <p>What are the dominant species within each layer?</p> <ul style="list-style-type: none"> <li>- Tree <u>Banksia/Melaleuca</u></li> <li>- Shrub _____</li> <li>- ground covers _____</li> </ul> <p>Have you noticed any new native plant species since the last monthly inspection? _____</p> <p>If yes name the species or take a photograph _____</p> <p>Acknowledge that the required routine photographs have been taken within the rehabilitation zones</p> |
| <p><b>Biodiversity</b></p> <p>Have you spotted native fauna within the rehabilitation zone during inspection?</p> <p>If yes, what types?</p> <p>Koala _____</p> <p>Kangaroo/wallaby _____</p> <p>Possums/glidens _____</p> <p>Small mammal (i.e. bandicoot, echidna) _____</p> <p>Reptiles (i.e. snakes/lizards) _____</p> <p>Birds of prey <u>Yes</u></p> <p>Large nectar feeding birds (i.e. lorikeets, parrots, cockatoos) _____</p> <p>Small tree and ground birds (i.e. finches, fairy wrens, treecreepers) <u>Yes</u></p> <p>Glossy Black Cockatoos _____</p> <p>Other _____</p>  | <p><b>Modifications</b></p> <p>Have there been any structural additions (eg. new tracks, buildings) to the rehabilitation zones since the last visit? <u>NO</u></p> <p>What actions were undertaken to remove any illegal modifications? _____</p> <p><b>Condition of fences</b></p> <ul style="list-style-type: none"> <li>- <u>Good</u></li> <li>- Need minor repair</li> <li>- Poor (need replacement)</li> </ul> | <p>Are any of the following performance criteria exceeded (refer Section 4.5 below)?</p> <p>Declared Weeds? <u>N</u></p> <p>Extent of other Weeds? <u>N</u></p> <p>Survival Rate of Plants? <u>N</u></p> <p>Condition of Plants? <u>N</u></p> <p>Canopy Coverage? <u>N</u></p> <p>Tree, Small Tree &amp; Shrub Diversity? <u>N</u></p> <p>Groundcover Coverage? <u>N</u></p> <p>General Coverage/Success? <u>N</u></p> <p>If yes, what corrective action was performed (i.e. plant showed drought stress and so watering was undertaken, plant was dead so a replacement plant was pocket planted, canopy plant coverage was not achieved so relevant pioneer plants were pocket planted).</p>                                     |