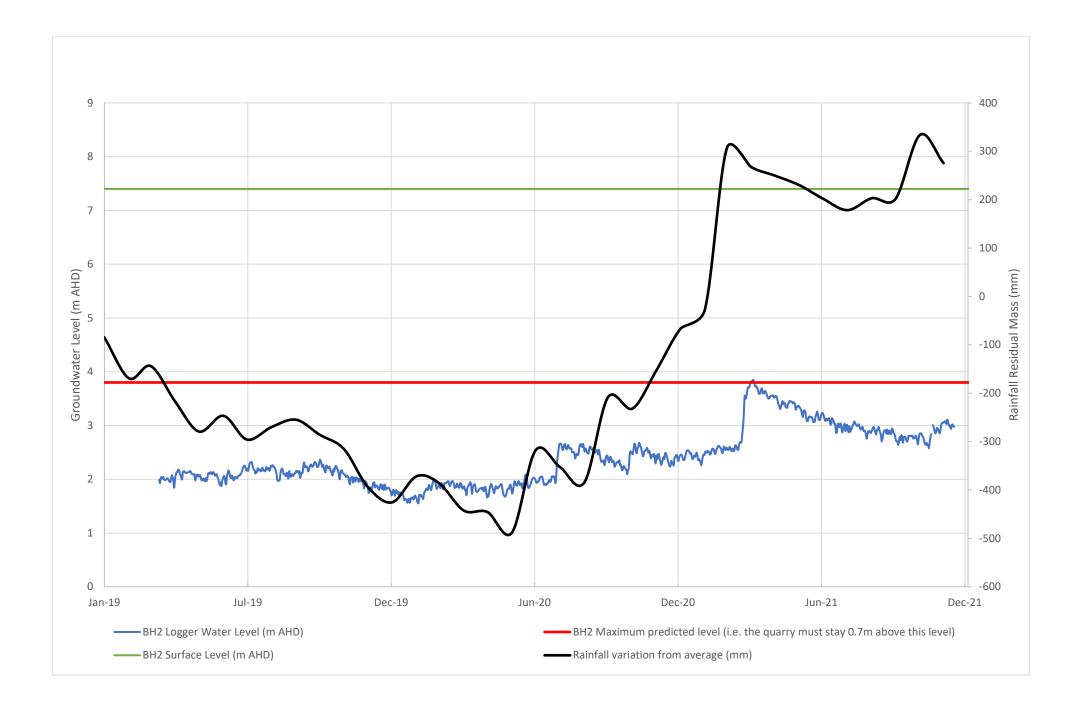
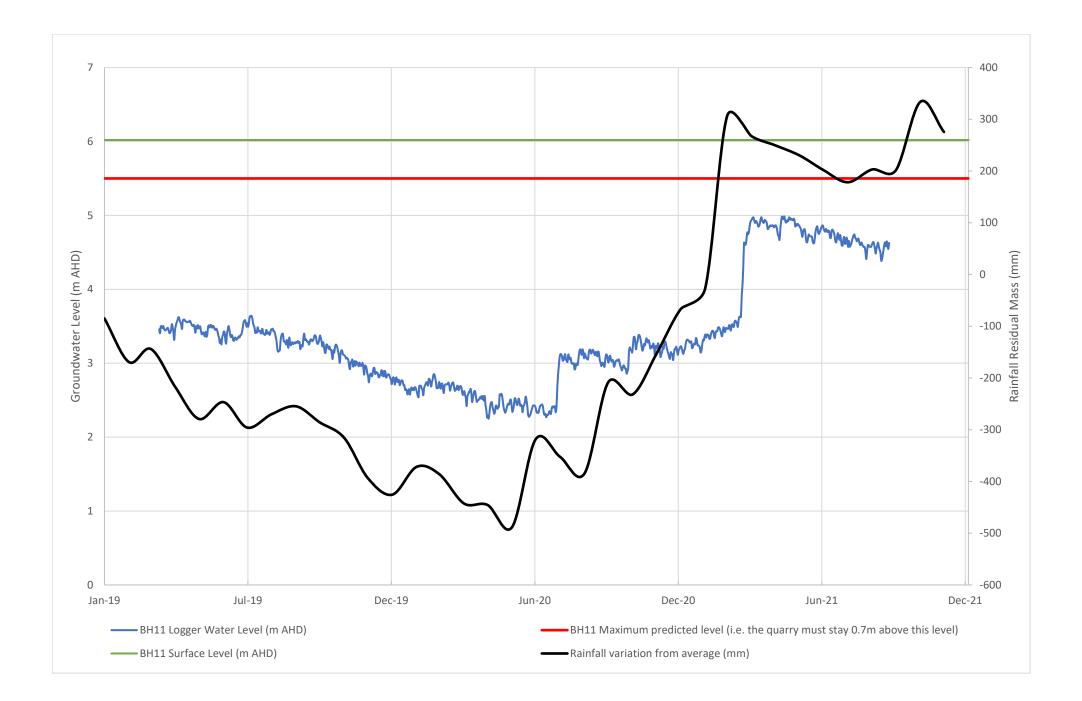


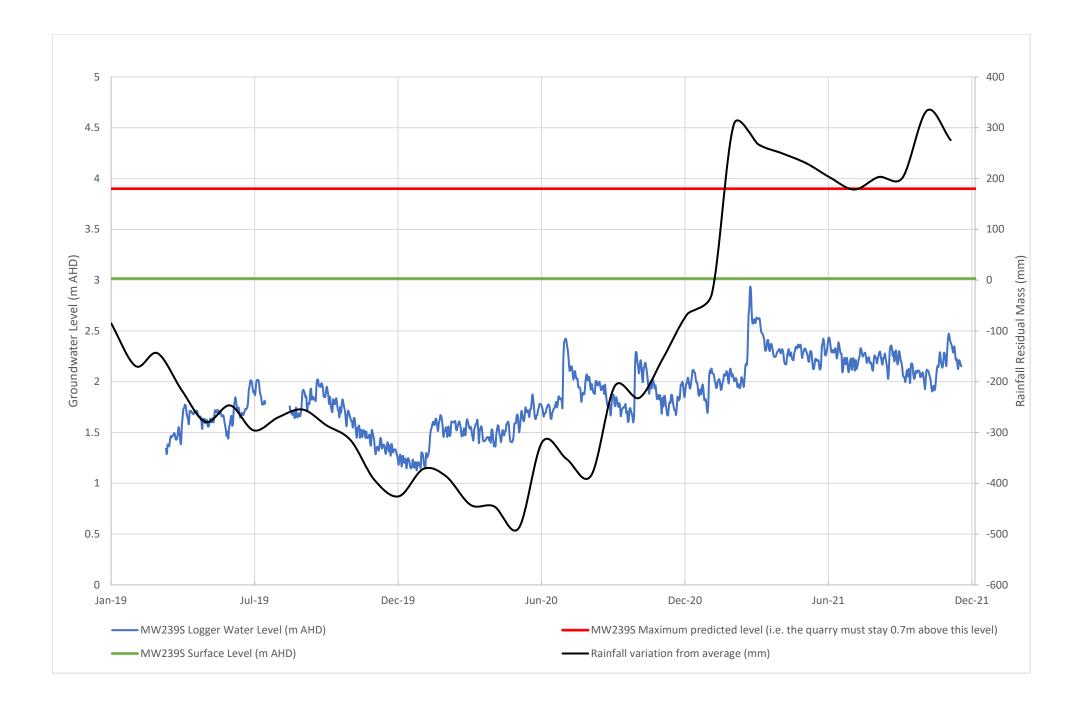
APPENDIX 6. GROUNDWATER LEVELS

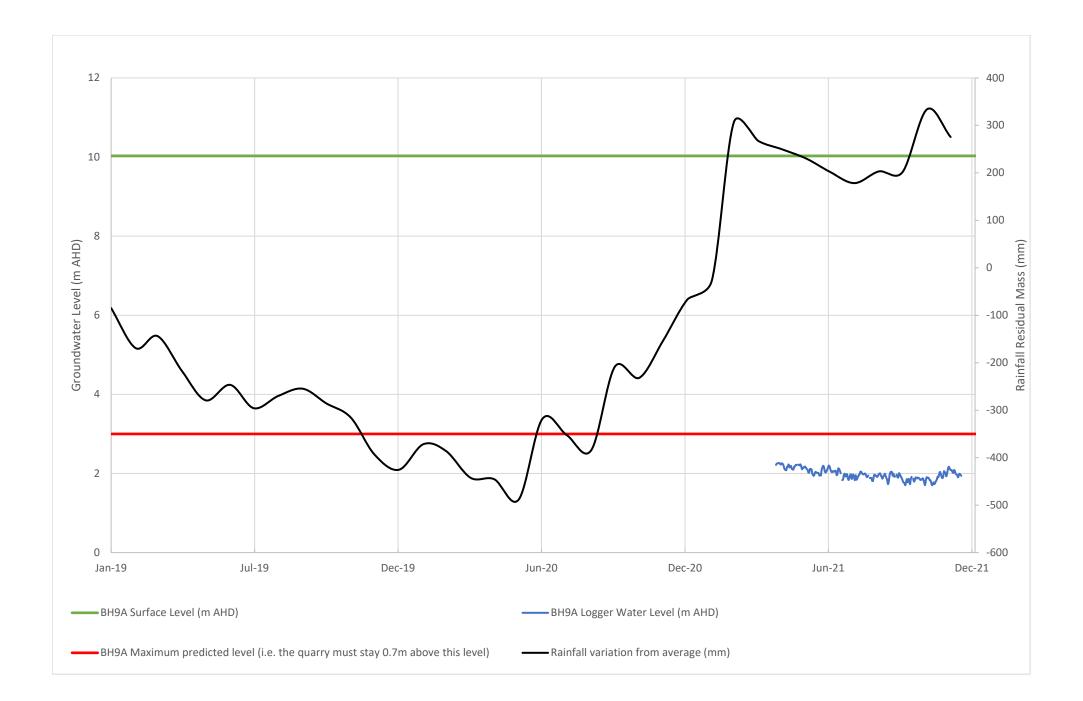
Ref: CTR Quarry Annual Review Year 2021.docx













APPENDIX 7. AMPHIBIAN SURVEY

Ref: CTR Quarry Annual Review Year 2021.docx

Newcastle Sand – Annual Amphibian Monitoring

282 Cabbage Tree Rd Williamtown NSW

20213922 - NCA22L136880 29 March 2022



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244 H Charl NS Pho 2 494

29 March 2022 20213922 - NCA22L136880

Newcastle Sand Quarry Manager

Subject: Newcastle Sand – Annual Amphibian Monitoring Annual Amphibian Monitoring

1 INTRODUCTION

1.1 SCOPE

Targeted fauna monitoring for the Mahony's Toadlet (*Uperoleia mahonyi*) and Wallum Froglet (*Crinia tinnula*) was undertaken by Kleinfelder ecologists as part of the requirements outlined in Section 6.4C of Table 7 in the Biodiversity and Rehabilitation Management Plan Cabbage Tree Road Sand Quarry (Kleinfelder, 2020). Two discreet monitoring events were conducted between Spring 2021 and Autumn 2022. During the 2021 annual monitoring, surveys were restricted to the single breeding season, rather than separated across two breeding seasons due to extreme weather events limiting access during planned survey events at the beginning of 2021. To increase the detectability of target species, surveys were undertaken after moderate rainfall was received. As such, monitoring was conducted by two ecologists over nights on the 8 November 2021 and 2 February 2022 for a total of 4.5 person hours each survey. Surveys were undertaken at night, after moderate rainfall was received (**Table 1 and 2**).

| Date | Max Temp (°C) | Humidity (%) | Barometric pressure (hPa) | Wind (spd/direction) | Rain past 24 hours (mm) | Rain past 5 days (mm) |
|------------|------------------|--------------|------------------------------|-------------------------|----------------------------|--------------------------|
| 5/11/2021 | 24.0 | 65 | 1017 | 31/ENE | 4.0 | 4.2 |
| 6/11/2021 | 27.4 | 51 | 1010 | 19/E | 0 | 4.0 |
| 7/11/2021 | 26.2 | 61 | 1007 | 13/SSE | 0 | 4.0 |
| 8/11/2021 | 23.6 | 66 | 1006 | 20/SSE | 21.0 | 25.0 |
| 1/02/2022 | 35.1 | 44 | 999 | 9/SSE | 0 | 0 |
| 02/02/2022 | 24.2 | 100 | 1004 | 28/SSW | 7.6 | 7.6 |
| 03/02/2022 | 23.7 | 68 | 1006 | 41/SSW | 13.0 | 20.6 |
| 04/02/2022 | 24.8 | 86 | 1014 | 31/SSE | 32.8 | 53.4 |
| 16/02/2022 | 27.7 | 53 | 1016 | 24/E | 0 | 40.4 |
| 17/02/2022 | 34.6 | 35 | 1007 | 17/NNW | 0 | 0 |
| 18/02/2022 | 29.5 | 61 | 1009 | 15/SE | 8.6 | 8.6 |
| 1/02/2022 | 35.1 | 44 | 999 | 9/SSE | 0 | 0 |

 Table 1
 Weather conditions during annual monitoring surveys

Source: Bureau of Meteorology – Williamtown RAAF (061078).

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2 RESULTS



Survey effort was focused around ephemeral and semi-permanent water bodies using both spotlighting and quiet listening techniques (**Figure 1**). Each site was surveyed for 20 minutes on two separate occasions (see results for Mahony's Toadlet and Wallum Froglet in **Table 3**). Seven amphibian species were detected across both surveys (four species in November 2021 and seven species in February 2022) (**Table 4**). The Wallum froglet was detected at one location in February 2022 (Location 6). Mahony's Toadlet was not detected at any of the seven survey locations during the 2021/22 seasonal surveys.

3 DISCUSSION

Mahony's Toadlet was previously found at six of the seven survey locations established during initial 2018 targeted amphibian surveys. While several amphibian surveys had been conducted at the site in the past, Mahony's Toadlet has been detected at multiple survey locations on two occasions during optimal weather conditions. The species breeding behaviour is considered to be reasonably unpredictable with evidence suggesting that increased rainfall does not always trigger the initiation of calling. Despite seemingly suitable weather conditions for breeding during both surveys (November 2021 and February 2022), Mahony's Toadlet was not heard calling within the site. Surveys at other sites within Port Stephens showed similar results, with the absence of calling Mahony's Toadlet at highly reliable sites (reference sites). Given the lack of information about the exact breeding season and the triggers of breeding behaviour, it is possible that the species bred at other times of the year. Given that the Mahony's Toadlet was not detected at any of the survey locations within the site that the species was previously known from suggests that quarrying operations are unlikely to be the casual factor. While guarrying has commenced within site (in proximity to survey locations where Mahony's Toadlet has previously been detected), there are some survey locations that are a considerable distance from active quarrying areas. Given that Mahony's Toadlet was not redetected at these sites (which are some distance from any potential indirect impacts), this suggests that the absence of the species during surveys likely to be linked to environmental conditions.

Despite the species absence during the annual amphibian monitoring, Mahony's Toadlet has been recently detected within the site during unrelated surveys. Pit-fall trapping surveys on the 16 and 18 February 2022 detected several individuals of Mahony's Toadlet.

Future monitoring should consider any available literature that is likely to be published over the coming years relating to the breeding ecology of the Mahony's Toadlet.

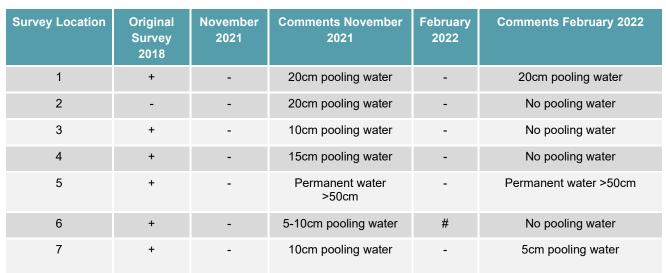


Table 2: Mahony's Toadlet and Wallum Froglet presence during targeted nocturnal monitoring

(Mahony's Toadlet +)(Wallum Froglet #)

Table 3 Full Species Lists for both November 2021 and February 2022.

| Novem | ber 2021 | February 2022 | | |
|-----------------------|-------------------------|-------------------------|-------------------------|--|
| Species Common Name | | Species | Common Name | |
| Limnodynastes peronii | Striped Marsh Frog | Crinia tinnula | Wallum Froglet | |
| Crinia signifera | Common Eastern Froglet | Limnodynastes peronii | Striped Marsh Frog | |
| Litoria fallax | Eastern Dwarf Tree Frog | Crinia signifera | Common Eastern Froglet | |
| Litoria tyleri | Tyler's Tree Frog | Litoria fallax | Eastern Dwarf Tree Frog | |
| Platyplectrum ornatum | Ornate Burrowing Frog | Litoria tyleri | Tyler's Tree Frog | |
| | | Platyplectrum ornatum | Ornate Burrowing Frog | |
| | | Limnodynastes dumerilli | Eastern Banjo Frog | |

Sincerely,

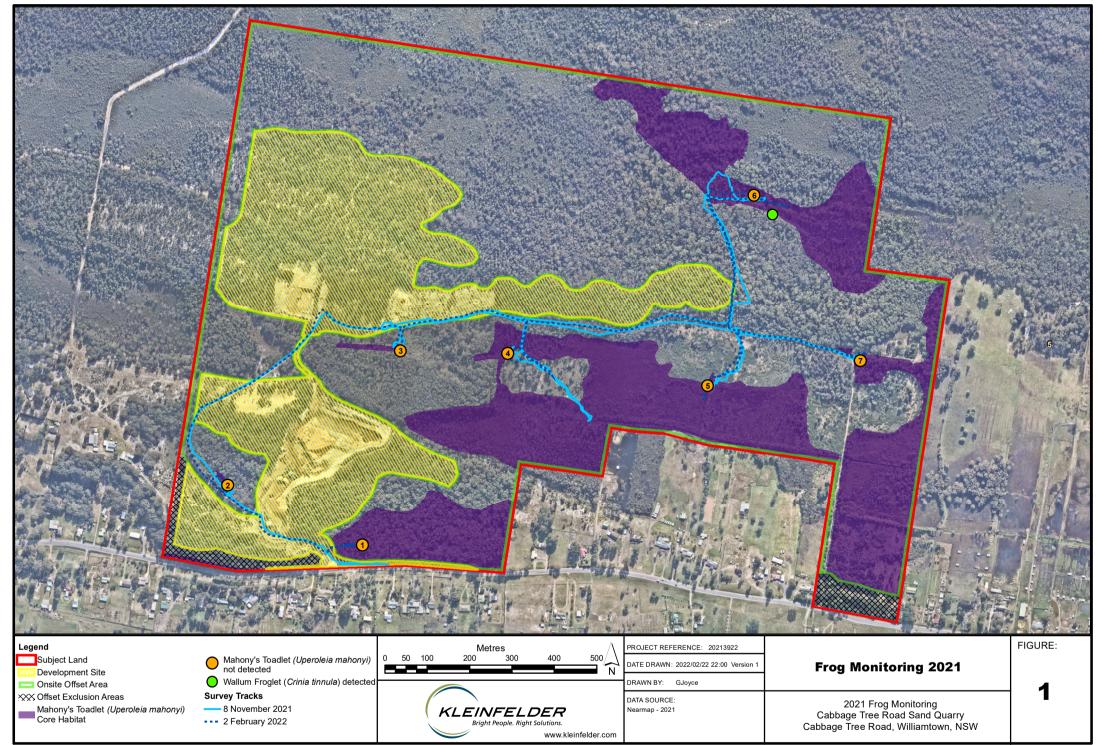
MJD

Mark Dean

Ecologist (Zoologist) Suite 3, 240-244 Pacific Highway Charlestown, NSW 2290 m|: 04 2531 8679 o|: +61 2 4949 5200 Kleinfelder Australia Pty Ltd

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Sand -



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APPENDIX 8. FAUNA MONITORING



Thursday, 31 March 2022

Quarry Manager Newcastle Sand Pty Ltd 398 Cabbage Tree Road Williamtown NSW 2318

Attention:Sean PennellSent by email to:Sean@newcastlesand.com.au

SUBJECT: Camera Monitoring 2021

Dear Sean,

Between May and October 2021, an Ecologist from Wedgetail Project Consulting, Kane Blundell, carried out camera monitoring to observe and record sightings of fauna, both native and exotic. On each of these occasions, infra-red, motion detecting cameras were set up in both random and targeted locations across the site, for a minimum period of 2 weeks at a time (see Table 1). The locations that cameras were set up can be seen in Figure 1. The sightings for each location are listed along with the date and picture reference in tables 2-12.

| LOCATION | START DATE | FINISH DATE | DURATION (DAYS) | | |
|-----------------------------|--|------------------------------|-----------------|--|--|
| 1 | 14/05/21 | 15/06/21 | 32 | | |
| 2 | 14/05/21 | 15/06/21 | 32 | | |
| 3 | 14/05/21 | 15/06/21 | 32 | | |
| *4 | 13/07/20 | 15/06/21 | 337 | | |
| 5 | 16/07/21 CAMERA STOLEN | | | | |
| 6 | 16/07/21 | 02/08/21 | 17 | | |
| 7 | 16/07/21 | 02/08/21 | 17 | | |
| 8 | 16/07/21 | 02/08/21 | 17 | | |
| 9 | 7/10/21 | 22/10/21 | 15 | | |
| 10 | 7/10/21 | 22/10/21 | 15 | | |
| 11 | 7/10/21 | 22/10/21 | 15 | | |
| *Camera at Location 4 w | *Camera at Location 4 was set up by the client 12 months prior to campaign and became inaccessible due | | | | |
| to flooding. It was collect | ted by Wedgetail staff durin | ng the first round of camera | monitoring. | | |

Table 1 Amount of time that cameras were set up at each location

11 Jody Close Jewells, NSW 2280 ABN: 93 640 388 683



| PIC | DATE | SCIENTIFIC NAME | COMMON NAME |
|---------------------|--------------|-----------------------|-----------------------|
| 1-2 | 14 May 2021 | Macropus giganteus | Eastern Grey Kangaroo |
| 3-6 | 14 May 2021 | Macropus rufogriseus | Red necked Wallaby |
| 7-10 | 17 May 2021 | Trichosurus vulpecula | Brushtail Possum |
| 11-12 | 18 May 2021 | Macropus giganteus | Eastern Grey Kangaroo |
| 14-17 | 18 May 2021 | Vulpes vulpes | Fox |
| <mark>20</mark> -30 | 18 May 2021 | Macropus giganteus | Eastern Grey Kangaroo |
| 37-38 | 20 May 2021 | Varanus varius | Lace Monitor |
| 42 | 23 May 2021 | Macropus rufogriseus | Red necked Wallaby |
| 45 | 23 May 2021 | Trichosurus vulpecula | Brushtail Possum |
| 57 | 28 May 2021 | Vulpes vulpes | Fox |
| 59-60 | 28 May 2021 | Trichosurus vulpecula | Brushtail Possum |
| 62-64 | 29 May 2021 | Macropus rufogriseus | Red necked Wallaby |
| 66-67 | 29 May 2021 | Vulpes vulpes | Fox |
| 68 | 30 May 2021 | Vulpes vulpes | Fox |
| 72-73 | 9 June 2021 | Trichosurus vulpecula | Brushtail Possum |
| 76-77 | 9 June 2021 | Vulpes vulpes | Fox |
| 78 | 10 June 2021 | Vulpes vulpes | Fox |
| 80-83 | 12 June 2021 | Trichosurus vulpecula | Brushtail Possum |
| 94-95 | 13 June 2021 | Canis familiaris | Dog |

Table 2 Camera monitoring in Location #1 - Northern Boundary of Area 7

Table 3 Camera monitoring in Location #2 - Southern Boundary of Area 7

| PIC | DATE | SCIENTIFIC NAME | COMMON NAME |
|---------|--------------|----------------------|--------------------|
| 23-32 | 20 May 2021 | - | Vehicle |
| 34 | 25 May 2021 | Vulpes vulpes | Fox |
| 43-44 | 27 May 2021 | Eopsaltria australis | Yellow Robin |
| 47-48 | 27 May 2021 | Vulpes vulpes | Fox |
| 140-142 | 31 May 2021 | Macropus rufogriseus | Red necked Wallaby |
| 145 | 1 June 2021 | Vulpes vulpes | Fox |
| 147-148 | 3 June 2021 | Macropus rufogriseus | Red necked Wallaby |
| 291 | 12 June 2021 | Macropus rufogriseus | Red necked Wallaby |

Table 4 Camera monitoring in Location #3 - Northern boundary of Areas 1A & 2

| PIC | DATE | SCIENTIFIC NAME | COMMON NAME |
|-------|--------------|-----------------|--------------|
| 16 | 6 June 2021 | - | Horse riders |
| 31-33 | 13 June 2021 | - | Motorbikes |
| 36-37 | 14 June 2021 | - | Motorbikes |



Table 5 Camera monitoring in Location #4 - Koala fence east of entry

| PIC | DATE | SCIENTIFIC NAME | COMMON NAME |
|-------|------------------|----------------------|-------------|
| 1-999 | July 2020 – June | Passing traffic only | |
| | 2021 | No fauna sightings | |

Table 6 Camera monitoring in Location #5 Area 9 - Access Track - middle

| PIC | DATE | SCIENTIFIC NAME | COMMON NAME | |
|--|------|-----------------|-------------|--|
| CAMERA MISSING/STOLEN BEFORE BEING COLLECTED | | | | |

Table 7 Camera monitoring in Location #6 Area 9 - Access Track - top

| PIC | DATE | SCIENTIFIC NAME | COMMON NAME |
|---------|----------------|-----------------------|------------------------|
| 3 | 16-July-2021 | - | Elliot in Silver Hilux |
| 5-6 | 16-July-2021 | - | Silver Hilux leaving |
| 583-584 | 27-June-2021 | Trichosurus vulpecula | Brushtail Possum |
| 605 | 29-July-2021 | - | Red Triton approaching |
| 607-608 | 29-July-2021 | - | Red Triton leaving |
| 611 | 31-July-2021 | Vulpes vulpes | Fox |
| 612 | 01-August-2021 | Oryctolagus cuniculus | Rabbit |

Table 8 Camera monitoring in Location #7 - Area 9 Koala fence

| PIC | DATE | SCIENTIFIC NAME | COMMON NAME |
|-------|--------------|--------------------------|----------------------|
| 4 | 12 July 2021 | Rattus sp. | Rat |
| 7-9 | 13 July 2021 | Rattus sp. | Rat |
| 11 | 13 July 2021 | Rattus sp. | Rat |
| 19-20 | 14 July 2021 | Trichosurus vulpecula | Brushtail Possum |
| 21 | 15 July 2021 | Rattus sp. | Rat |
| 26 | 17 July 2021 | Vulpes vulpes | Fox |
| 31-32 | 21 July 2021 | Pseudocheirus peregrinus | Ringtail Possum |
| 33-34 | 24 July 2021 | Pseudocheirus peregrinus | Ringtail Possum |
| 37-38 | 27 July 2021 | Perameles nasuta | Long nosed Bandicoot |
| 40-42 | 29 July 2021 | Trichosurus vulpecula | Brushtail Possum |

Table 9 Camera monitoring in Location #8 - Area 9 Bush track

| PIC | DATE | SCIENTIFIC NAME | COMMON NAME |
|-------|--------------|-----------------------|-------------|
| 5-8 | 13 July 2021 | Oryctolagus cuniculus | Rabbit |
| 17-18 | 14 July 2021 | Oryctolagus cuniculus | Rabbit |
| 21-24 | 14 July 2021 | Oryctolagus cuniculus | Rabbit |



Table 10 Camera monitoring in Location #9 - Area 3A Boundary track

| PIC | DATE | SCIENTIFIC NAME | COMMON NAME |
|---------|-----------------|----------------------|--------------------|
| 112-114 | 14 October 2021 | Macropus rufogriseus | Red necked Wallaby |

Table 11 Camera monitoring in Location #10 - Between Area 3B and 4A on boundary track

| PIC | DATE | SCIENTIFIC NAME | COMMON NAME | |
|----------------|--|-----------------------|---|--|
| Media Folder 1 | | | | |
| 2-4 | 9 October 2021 | Perameles nasuta | Long nosed Bandicoot | |
| 44-49 | 10 October 2021 | Trichosurus vulpecula | Brushtail Possum carrying baby on back | |
| 179-181 | 13 October 2021 | Macropus rufogriseus | Red necked Wallaby | |
| 401-403 | 15 October 2021 | Trichosurus vulpecula | Brushtail Possum | |
| Media Folder 2 | | | | |
| 398-403 | 8-403 17 October 2021 Tachyglossus aculeat | | Echidna | |
| 443-445 | 18 October 2021 | Trichosurus vulpecula | Brushtail Possum carrying baby on back | |
| 557-559 | 20 October 2021 | Vulpes vulpes | Fox | |

Table 12 Camera monitoring in Location #11 – Border of Area 4B and 5A

| PIC | DATE | SCIENTIFIC NAME | COMMON NAME | | |
|-------|-------------------|-----------------------------|-------------|--|--|
| 1-999 | 7-22 October 2021 | No fauna sightings recorded | | | |

For any further questions, feel free to contact me.

Yours Sincerely

Kane Blundell Ecologist M: 0419 999 256 kblundell@wedgetail.com.au





Friday, 11 June 2021

Quarry Manager Newcastle Sand Pty Ltd 398 Cabbage Tree Road Williamtown NSW 2318

Attention:Shane Burton.Sent by email to:shane@newcastlesand.com.au

SUBJECT: NESTBOX MONITORING – APRIL 2021

Dear Shane,

On April 20, 21 and 23 2021, an Ecologist from Wedgetail Project Consulting, Kane Blundell, inspected nest boxes previously installed by Kleinfelder. A total of 94 nest boxes were inspected within the Onsite Biodiversity Offset Areas, checking for structural integrity and for signs of use. At the time of inspection, the trees were also tagged with ID numbers to assign one single identification number applicable to all installations of nest boxes, collectively. For each nest box, previously collected data was confirmed or amended where necessary, and photos were taken inside the boxes using a GoPro© mounted on a 4mtr extension pole (see Table 1).

Table 1 Nestboxes with confirmed specifications, signs of use and current condition.

| TreeTag ID | Box type | Tree Species | DBH (cm) | Height (m) | Aspect | Signs of Use | Condition |
|---------------|-----------|--------------|-------------|---------------|--------|-------------------------|-----------|
| 1 | Micro Bat | A. costata | 64 | 5.5 | SE | No | Fair |
| 2 | - | E. robusta | 64 | - | - | Inaccessible | - |
| 3 | - | E. robusta | 51 | - | - | Inaccessible | - |
| 4 | - | E. robusta | 20.5 | - | - | Inaccessible | - |
| 5 | - | A. costata | 39 | - | - | Inaccessible | - |
| 6 | - | E. robusta | 41.5 | - | - | Inaccessible | - |
| 7 | - | E. robusta | 34.5 | - | - | Inaccessible | - |
| 8 | - | A. costata | 22 | - | - | Inaccessible | - |
| 9 | - | E. robusta | 50.5 | - | - | Inaccessible | - |
| 10 | Glider | E. robusta | 51 | 3.6 | SW | No | Fair |
| 11 | Glider | E. robusta | 57 | 5.2 | SW | Squirrel glider pair | Fair |
| 12 | Micro Bat | A. costata | 32.5 | 4.4 | SE | Drey | Fair |
| 13 | Micro Bat | A. costata | 23 | 3.3 | W | Full to top with leaves | Fair |
| 14 | Micro Bat | C. gummifera | 38.5 | 4.1 | Ν | No | Fair |
| 15 | Glider | A. costata | 23 | 4 | SW | Fur visible within drey | Fair |
| 16 | Possum | E. robusta | 44.5 | 4.3 | SW | Brushtail Possum | Fair |
| 17 | Glider | C. gummifera | 53 | 5.1 | 5 | Wasp Nest | Fair |

11 Jody Close Jewells, NSW 2280 ABN: 93 640 388 683



| | | | | | | WEDC | GETAIL | |
|---------------|-----------|--------------|-------------|---------------|--------|----------------------------------|---------------|--|
| TreeTag ID | Box type | Tree Species | DBH (cm) | Height (m) | Aspect | Signs of Use | Condition | |
| 18 | Micro Bat | C. gummifera | 35 | 4.5 | W | Insect nest blocking entrance | Fair | |
| 19 | Glider | C. gummifera | 64 | 3.3 | S | A few fresh leaves | Fair | |
| 20 | Glider | C. gummifera | 41 | 4.6 | SW | Wasp Nest | Fair | |
| 21 | Micro Bat | C. gummifera | 40 | 4.8 | NW | No | Fair | |
| 22 | Micro Bat | A. costata | 32 | 5 | W | No | Fair | |
| 23 | Micro Bat | A. costata | 32 | 0 | - | Box still on ground | Fair | |
| 24 | Micro Bat | A. costata | 35 | 3.2 | SW | No | Fair | |
| 25 | Micro Bat | A. costata | 51 | 4.2 | S | No | Fair | |
| 26 | Glider | C. gummifera | 32 | 5.1 | S | Fresh leaves in drey | Fair | |
| 27 | Glider | C. gummifera | 51 | 4.5 | SE | No | Fair | |
| 28 | Micro Bat | A. costata | 32 | 4.5 | | No | Fair | |
| 29 | Micro Bat | A. costata | 38 | 4.5 | SW | No | Fair | |
| 30 | Micro Bat | A. costata | 29 | 3 | SW | Drey with fur visible | Fair | |
| 31 | Glider | A. costata | 46 | 4 | SW | Squirrel glider pair | Fair | |
| 32 | Glider | A. costata | 29 | 5.2 | W | Fresh leaves | Fair | |
| 33 | Glider | A. costata | 45 | 5.2 | W | Possible reptile? | Fair | |
| 34 | Glider | A. costata | 43 | 5.2 | W | Glider(s) in drey | Fair | |
| 35 | Possum | E. pilularis | 46 | 4.5 | SW | Brushtail Possum | Fair | |
| 36 | Glider | A. costata | 30 | 5.1 | S | Fresh leaves | Fair | |
| 37 | Glider | E. pilularis | 48 | 4.5 | SW | No | Fair | |
| 38 | Micro Bat | E. signata | 32 | 5 | SW | Possible drey | Fair | |
| 39 | Glider | A. costata | 29 | 4.9 | SW | Fresh leaves | Fair | |
| 40 | Micro Bat | C. gummifera | 21 | 4.2 | SE | No | Fair | |
| 41 | Glider | E. pilularis | 48 | 4.7 | W | Old bee hive | Good | |
| 42 | Glider | A. costata | 30 | 4.8 | W | Fresh leaves | Fair | |
| 43 | Micro Bat | Bloodwood | 80 | 5.1 | S | No | Fair | |
| 44 | Micro Bat | A. costata | 30 | 4.6 | SW | No | Fair | |
| 45 | Glider | A. costata | 60 | 3.8 | W | No | Fair | |
| 46 | Glider | C. gummifera | 64 | 4.5 | SE | Pair of sugar gliders | Fair | |
| 47 | Glider | C. gummifera | 32 | 3.9 | S | Squirrel glider (pair?) | Fair | |
| 48 | Micro Bat | E. pilularis | 22 | 3.6 | SE | No | Fair | |
| 49 | Micro Bat | E. pilularis | 25 | 4.2 | NE | No | Fair | |
| 50 | Micro Bat | E. signata | 57 | 3.3 | SE | No | Fair | |
| 51 | Glider | C. gummifera | 35 | 4.4 | SW | Fresh leaves | Fair | |
| 52 | Glider | C. gummifera | 29 | 5 | N | Glider | Fair | |
| 53 | Glider | C. gummifera | 35 | 4.8 | SW | No | Fair | |
| 54 | Micro Bat | C. gummifera | 29 | 3.4 | NE | No | Fair | |
| 55 | Micro Bat | A. costata | 32 | 4.4 | SW | No | Fair | |
| 56 | Micro Bat | C. gummifera | 32 | 4 | E | No | Fair | |
| 57 | Glider | C. gummifera | 29 | 4.7 | SE | Glider in drey | Fair | |
| 58 | Micro Bat | C. gummifera | 19 | 4.2 | SW | No | Fair | |
| 59 | Micro Bat | C. gummifera | 19 | 3.8 | SW | No | Fair | |
| 60 | Glider | C. gummifera | 38 | 4.6 | SW | Bee hive | Fair | |
| 61 | Micro Bat | C. gummifera | 29 | 3.6 | SE | No | Fair | |
| 62 | Glider | C. gummifera | 41 | 3.3 | S | No | Fair | |
| 63 | Glider | C. gummifera | 48 | 3.6 | SE | Active Bee Hive | Fair | |



| TreeTag | Box type | Tree Species | DBH | Height | Aspect | Signs of Use | Condition |
|---------|-----------|--------------|------|--------|--------|-------------------------------------|-----------|
| ID | Dox type | The opened | (cm) | (m) | Aspece | | Condition |
| 64 | Micro Bat | C. gummifera | 41 | 4.5 | SE | No | Fair |
| 65 | Glider | C. gummifera | 48 | 4.9 | S | Squirrel glider pair with offspring | Fair |
| 66 | Glider | C. gummifera | 51 | 4.5 | SE | Fresh leaves | Fair |
| 67 | Micro Bat | C. gummifera | 35 | 4.2 | SW | No | Fair |
| 68 | Micro Bat | C. gummifera | 51 | 4 | W | No - Lid fallen off | REPAIR |
| 69 | Micro Bat | E. pilularis | 35 | 5 | SE | Fresh leaves | Fair |
| 70 | Micro Bat | A. costata | 38 | 4.6 | SW | Fresh leaves | Good |
| 71 | - | A. costata | 35 | 0 | - | BOX MISSING | Replace |
| 72 | Glider | E. robusta | 30 | 5 | SE | Glider in drey | Fair |
| 73 | Glider | A. costata | 48 | 3.2 | SW | No | Fair |
| 74 | Glider | E. robusta | 36 | 4.2 | NE | No | Fair |
| 75 | Glider | E. robusta | 25 | 4.4 | SW | Drey | Fair |
| 76 | Possum | E. robusta | 50.5 | 5.3 | E | No | Fair |
| 77 | Glider | E. robusta | 30 | 4.3 | S | No | Fair |
| 78 | Glider | E. robusta | 34 | 3.8 | NE | Glider in drey | Fair |
| 79 | Glider | A. costata | 52 | 2.9 | SW | No | Good |
| 80 | Glider | A. costata | 62 | 3.3 | SW | No | Good |
| 81 | Glider | A. costata | 37 | 3.3 | SW | No | Good |
| 82 | Micro Bat | A. costata | 29 | 3.4 | West | No | Good |
| 83 | Micro Bat | A. costata | 38 | 3.2 | West | No | Good |
| 84 | Micro Bat | A. costata | 41 | 3.3 | West | No | Good |
| 85 | Micro Bat | A. costata | 38.5 | 4.5 | NW | No | Fair |
| 86 | Glider | A. costata | 30 | 2.9 | SW | No | Good |
| 87 | Possum | A. costata | 29 | 3.1 | SW | No | Good |
| 88 | Glider | A. costata | 51 | 3.7 | SW | No | Good |
| 89 | Glider | E. robusta | 30.5 | 3.9 | Ν | Glider in drey | Fair |
| 90 | Glider | E. robusta | 64.5 | 4.5 | NW | No | Fair |
| 91 | Glider | E. robusta | 37 | 3.4 | S | No | Fair |
| 92 | Micro Bat | E. robusta | 33.5 | 3.9 | W | No | Fair |
| 93 | Glider | A. costata | 29.5 | 4.1 | NW | Drey | Fair |
| 94 | Glider | E. robusta | 37 | 4 | S | No | Fair |

Of the 94 nest boxes, 8 boxes were inaccessible due to flooding in the surrounding area, 1 box hadn't been installed and was found to be sitting at the base of the tree, 1 box was damaged and in need of repair and 1 box was completely missing from the designated tree and could not be found in the surrounding area.

The remaining 83 nest boxes were found to be structurally sound, and associated data was collected including habitation. Of those nest boxes, 2 contained Common brushtail possums (Trichosurus vulpeculasee **Plate 1 & Plate 2**), 4 contained pairs of Squirrel gliders (Petaurus norfolcensis) including one with offspring (see **Plate 3 & Plate 4**) and 1 contained a pair of Sugar gliders (Petaurus breviceps – see **Plate 5**). 7 other nest boxes contained gliders nestled within dreys whose species could not be confirmed (see **Plate 6**), and 14 boxes contained nesting materials. The location of associated boxes can be seen in **Figure 1**.





Plate 1: Brushtail possum (*Trichosurus vulpecula*) fleeing nest box



Plate 2: *Brushtail possum (Trichosurus vulpecula)* in nest box



Plate 3: Pair of Squirrel gliders (*Petaurus norfolcensis*) with offspring



Plate 4: Pair of Squirrel gliders (*Petaurus norfolcensis*) in drey



Plate 5: Pair of Sugar gliders (*Petaurus breviceps*) in drey



Plate 6: Uncomfirmed Glider species (*Petaurus sp.*) in drey



For any further questions, feel free to contact me.

Yours Sincerely

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