**Northern Territory Town Camps**

**Electrical Infrastructure**

**Inspection Date**  1/12/2016 11:22:26 AM

<table>
<thead>
<tr>
<th>Insp ID: 827</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
</table>

What Category are you capturing: **Overhead Poles**

<table>
<thead>
<tr>
<th>What is Pole Material type:</th>
<th>Welded</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the condition of pole:</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted:</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant:</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Street Light Power Supply:**

<table>
<thead>
<tr>
<th>Street Light Type</th>
<th>S70D 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td></td>
</tr>
<tr>
<td>What is the type of service:</td>
<td>Three</td>
</tr>
<tr>
<td>What is the HV voltage level:</td>
<td>400</td>
</tr>
<tr>
<td>What is the arrangement of connected cables:</td>
<td>Twisted</td>
</tr>
<tr>
<td>Are there isolators on the pole:</td>
<td>No</td>
</tr>
<tr>
<td>What is the Condition:</td>
<td>3</td>
</tr>
<tr>
<td>How many Lots are connected to this pole:</td>
<td>1</td>
</tr>
<tr>
<td>Overhead Pole Comments:</td>
<td>Surface rusted</td>
</tr>
</tbody>
</table>
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date** 1/12/2016 11:18:11 AM

<table>
<thead>
<tr>
<th>Insp ID: 829</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

<table>
<thead>
<tr>
<th>What is Pole Material type:</th>
<th>Welded</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the condition of pole:</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted:</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant:</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Street Light Power Supply:**

<table>
<thead>
<tr>
<th>Street Light Type</th>
<th>S70D 13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>3</td>
</tr>
<tr>
<td>Street Light Height</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>What is the type of service:</th>
<th>Three</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the HV voltage level:</td>
<td>400</td>
</tr>
<tr>
<td>What is the arrangement of connected cables:</td>
<td>Twisted</td>
</tr>
<tr>
<td>Are there isolators on the pole:</td>
<td>No</td>
</tr>
<tr>
<td>What is the Condition:</td>
<td>3</td>
</tr>
<tr>
<td>How many Lots are connected to this pole:</td>
<td>0</td>
</tr>
<tr>
<td>Overhead Pole Comments:</td>
<td>Surface rusted</td>
</tr>
</tbody>
</table>
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 11:18:11 AM
## Electrical Infrastructure

**Northern Territory Town Camps**

**Inspection Date** 1/12/2016 11:15:11 AM

<table>
<thead>
<tr>
<th>Insp ID: 830</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
</table>

- **What Category are you capturing:** Overhead Poles
- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes
- **Street Light Power Supply:**
  - **Street Light Type:** S70D 07
  - **Street Light Watts:**
  - **Street Light Condition:** 3
  - **Street Light Height:** 1396
- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 0
- **Overhead Pole Comments:** Surface rusted
## Electrical Infrastructure

### Northern Territory Town Camps

**Inspection Date** 1/12/2016 11:11:43 AM

<table>
<thead>
<tr>
<th>Insp ID: 831</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** Unknown
- **Street Light Watts**:
- **Street Light Condition:** 3
- **Street Light Height:** 1398

- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 0
- **Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 11:11:43 AM
Northern Territory Town Camps

Electrical Infrastructure

Inspector ID:  802  Group 3 - Tennant Creek, Elliott  Tingkarli

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply: Street Light Type
Unknown

Street Light Watts

Street Light Condition 3

Street Light Height

[Images of street lights and poles]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 1:00:49 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**: 1/12/2016 12:48:51 PM

<table>
<thead>
<tr>
<th>Insp ID: 803</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
</table>

**What Category are you capturing:** **Overhead Poles**

- **Is street light fitted:** Yes
- **Street Light Power Supply:**
  - **Street Light Type:** S70D 11
  - **Street Light Watts:** 70
  - **Street Light Condition:** 3
  - **Street Light Height**

---

![Image of Overhead Pole](image1.png)

![Image of Street Light](image2.png)

![Image of Poles](image3.png)

![Image of Condition](image4.png)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 12:48:51 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date** 1/12/2016 12:46:20 PM

<table>
<thead>
<tr>
<th>Insp ID: 804</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **Is street light fitted:** Yes
- **Street Light Power Supply:**
  - **Street Light Type:** S70D 13
  - **Street Light Watts:** 70
  - **Street Light Condition:** 3
  - **Street Light Height**

Images of street lights and poles are included in the document to illustrate the inspection.
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 12:46:20 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date** 1/12/2016 12:43:37 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
<tbody>
<tr>
<td>805</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**What Category are you capturing:** Overhead Poles

**Is street light fitted:** Yes

**Street Light Power Supply:**

<table>
<thead>
<tr>
<th>Street Light Type</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Light Watts</td>
<td>70</td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>3</td>
</tr>
<tr>
<td>Street Light Height</td>
<td></td>
</tr>
</tbody>
</table>

![Images of Overhead Poles and Street Lights]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 12:43:37 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date** 1/12/2016 12:33:57 PM

**Insp ID:** 806  
**Group 3 - Tennant Creek, Elliott**  
Tingkarli

What Category are you capturing: **Overhead Poles**

Is street light fitted: **Yes**

Street Light Power Supply:

Street Light Type: **S70D 09**

Street Light Watts: **70**

Street Light Condition: **2**

Street Light Height

![Image](P:\GIS\Projects\253963_NT)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 12:33:57 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 12:30:24 PM

Insp ID: 807 Group 3 - Tennant Creek, Elliott Tingkarli

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:
Street Light Type M125D 10
Street Light Watts 125
Street Light Condition 3
Street Light Height

[Images of street lights]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 12:30:24 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date** 1/12/2016 12:25:51 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
<tbody>
<tr>
<td>808</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>What Category are you capturing:</th>
<th>Overhead Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
<tr>
<td>Street Light Power Supply:</td>
<td></td>
</tr>
<tr>
<td>Street Light Type</td>
<td>M125D 10</td>
</tr>
<tr>
<td>Street Light Watts</td>
<td>125</td>
</tr>
<tr>
<td>Street Light Condition:</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td></td>
</tr>
</tbody>
</table>

![Street Light Image](image_url)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 12:25:51 PM
# Northern Territory Town Camps

## Electrical Infrastructure

**Inspection Date**  1/12/2016 12:18:01 PM

| Inspect ID: | 810 | Group 3 - Tennant Creek, Elliott | Tingkarli |

The category being captured is **Overhead Poles**

- **Is street light fitted:** Yes
- **Street Light Power Supply:**
  - **Street Light Type:** S70D 12
  - **Street Light Watts:** 80
  - **Street Light Condition:** 3
  - **Street Light Height:**

![Image of Overhead Poles]

---

*Image found and displayed*
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**  
1/12/2016 12:12:14 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
<tbody>
<tr>
<td>812</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **What Category are you capturing:** Overhead Poles
- **Is street light fitted:** Yes
- **Street Light Power Supply:**
  - **Street Light Type:** S70D 98
  - **Street Light Watts:** 70
  - **Street Light Condition:** 2
  - **Street Light Height:**

---

![Image of Overhead Poles]

---

![Image of Overhead Poles]

---

![Image of Overhead Poles]

---

![Image of Overhead Poles]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 12:12:14 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 12:07:15 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
<tbody>
<tr>
<td>813</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What Category are you capturing:  **Overhead Poles**

Is street light fitted:  **Yes**

Street Light Power Supply:  
Street Light Type  **S70D 09**
Street Light Watts  **70**
Street Light Condition  **2**
Street Light Height  

[Images of overhead poles and street lights]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 12:07:15 PM
## Northern Territory Town Camps
### Electrical Infrastructure

**Inspection Date** 1/12/2016 12:04:24 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
<tbody>
<tr>
<td>814</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **What Category are you capturing:** Overhead Poles
- **Is street light fitted:** Yes
- **Street Light Power Supply:**
  - **Street Light Type:** S70D 11
  - **Street Light Watts:** 70
  - **Street Light Condition:** 2

These images show the street lights in question.
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 12:04:24 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 11:56:08 AM

Insp ID: 815
Group 3 - Tennant Creek, Elliott

Tingkarli

What Category are you capturing: **Overhead Poles**

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type: S70D 15

Street Light Watts: 70

Street Light Condition: 3

Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 11:56:08 AM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 11:52:32 AM

Insp ID: 817  Group 3 - Tennant Creek, Elliott  Tingkarli

What Category are you capturing: Overhead Poles

Is street light fitted: Yes
Street Light Power Supply:
Street Light Type S70D 10
Street Light Watts 70
Street Light Condition 3
Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 11:52:32 AM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 11:49:50 AM

**Insp ID:**  818  
Group 3 - Tennant Creek, Elliott  
Tingkarli

What Category are you capturing:  **Overhead Poles**

Is street light fitted:  **Yes**

Street Light Power Supply:

Street Light Type  **S70D 13**

Street Light Watts  **70**

Street Light Condition  **2**

Street Light Height

[Images of street lights and overhead poles]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 11:49:50 AM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 11:41:52 AM

Insp ID: 819
Group 3 - Tennant Creek, Elliott
Tingkarli

What Category are you capturing: Overhead Poles

Is street light fitted: Yes
Street Light Power Supply:
Street Light Type M125D 10
Street Light Watts 125
Street Light Condition 2
Street Light Height

1/12/2016 11:41:52 AM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 11:41:52 AM
What Category are you capturing: **Overhead Poles**

Is street light fitted: Yes

Street Light Power Supply:
Street Light Type: M125D 09
Street Light Watts: 125
Street Light Condition: 2
Street Light Height:
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 11:39:00 AM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 11:36:12 AM

Insp ID: 821  Group 3 - Tennant Creek, Elliott  Tingkarli

What Category are you capturing: Overhead Poles

Is street light fitted: Yes
Street Light Power Supply:
Street Light Type S70D 11
Street Light Watts 70
Street Light Condition 3
Street Light Height

![Street Light Images]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 11:36:12 AM
Northern Territory Town Camps
Electrical Infrastructure

**Inspection Date** 1/12/2016 11:33:51 AM

**Insp ID:** 822  
**Group 3 - Tennant Creek, Elliott**
**Tingkarli**

**What Category are you capturing:** Overhead Poles

**Is street light fitted:** Yes

**Street Light Power Supply:**

**Street Light Type** S70D 10

**Street Light Watts**

**Street Light Condition** 3

**Street Light Height**
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 11:33:51 AM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 11:27:46 AM

Insp ID:  823  Group 3 - Tennant Creek, Elliott  Tingkarli

What Category are you capturing:  Overhead Poles

Is street light fitted:  Yes

Street Light Power Supply:
Street Light Type  S70D 06
Street Light Watts
Street Light Condition  2
Street Light Height

[Images of Overhead Poles]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 11:27:46 AM
**Northern Territory Town Camps**

**Electrical Infrastructure**

**Inspection Date** 1/12/2016 11:25:27 AM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
<tbody>
<tr>
<td>824</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What Category are you capturing: **Overhead Poles**

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type: S70D 12

Street Light Watts

Street Light Condition: 2

Street Light Height

---

Image found and displayed.
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 11:25:27 AM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 11:22:26 AM

Insp ID: 827  Group 3 - Tennant Creek, Elliott  Tingkarli

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type S70D 12

Street Light Watts

Street Light Condition 2

Street Light Height

![Image of Overhead Poles and Street Light](Image found and displayed.)
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 11:22:26 AM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 11:18:11 AM

Insp ID:  829  Group 3 - Tennant Creek, Elliott  Tingkarli

What Category are you capturing:  Overhead Poles

Is street light fitted:  Yes

Street Light Power Supply:  

Street Light Type  S70D 13

Street Light Watts

Street Light Condition  3

Street Light Height

[Images of overhead poles and street lights]
**Northern Territory Town Camps**

**Electrical Infrastructure**

**Inspection Date** 1/12/2016 11:15:11 AM

<table>
<thead>
<tr>
<th>Insp ID: 830</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
</table>

What Category are you capturing: **Overhead Poles**

- Is street light fitted: Yes
- Street Light Power Supply: 
- Street Light Type: S70D 07
- Street Light Watts
- Street Light Condition: 3

Street Light Height

![Image 1](P:\GIS\Projects\253963_NT)

![Image 2](P:\GIS\Projects\253963_NT)

![Image 3](P:\GIS\Projects\253963_NT)

![Image 4](P:\GIS\Projects\253963_NT)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 11:15:11 AM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 11:11:43 AM

**Insp ID:** 831  
**Group 3 - Tennant Creek, Elliott**  
Tingkarli

What Category are you capturing: **Overhead Poles**

Is street light fitted:  Yes

Street Light Power Supply:

Street Light Type  Unknown

Street Light Watts

Street Light Condition  3

Street Light Height

[Images of street lights]
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date** 1/12/2016 12:22:09 PM

<table>
<thead>
<tr>
<th>Insp ID: 809</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Tingkarli</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Transformers

**What is Transformer installation method:** Pole

**If method know:** 11SS1P

**What is the condition of the mounting:** 3

**What is Transformer Rating:** Unknown

**Is there access to transformers name plate to take a photo:** No

**What is the condition of transformer:** 3

**What is cable type to transformer:** PVC insulated black

**What is cable size to transformer:**

**Is there switch gear or fusing associated with the transformer:** Cut out fuse

**Transformer Comment:**

---

![Transformer Image 1](link)

![Transformer Image 2](link)

---

![Transformer Image 3](link)

---

![Transformer Image 4](link)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 12:22:09 PM
Road map
Existing drawings
H. Existing Residential Development (or as highlighted by building sketch layout).

V. Forecast Residential Lots for Development (up to 2014) have been costed for Existing and Forecast Development up to 2014 only.
Transformer data
<table>
<thead>
<tr>
<th>Group</th>
<th>Com M</th>
<th>Location</th>
<th>Community Name</th>
<th>Dewells No. (Furished Dwelling)</th>
<th>Dewells No. (Berevedt Design)</th>
<th>New Hours ** (Future Demand)</th>
<th>Primary Voltage Level (kV)</th>
<th>PWC Substation ID</th>
<th>PWC Test Number</th>
<th>Transformer size (KVA)</th>
<th>KVA Total (Furished Dwelling)</th>
<th>KVA Total (Berevedt Dwelling)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Bugot</td>
<td>Dewells No. (Furished Dwelling)</td>
<td>Dewells No. (Berevedt Design)</td>
<td>New Hours ** (Future Demand)</td>
<td>Primary Voltage Level (kV)</td>
<td>PWC Substation ID</td>
<td>PWC Test Number</td>
<td>Transformer size (KVA)</td>
<td>KVA Total (Furished Dwelling)</td>
<td>KVA Total (Berevedt Dwelling)</td>
<td>Comments</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>Karlsholm</td>
<td>Transient Camp</td>
<td>Dewells No. (Furished Dwelling)</td>
<td>Dewells No. (Berevedt Design)</td>
<td>New Hours ** (Future Demand)</td>
<td>Primary Voltage Level (kV)</td>
<td>PWC Substation ID</td>
<td>PWC Test Number</td>
<td>Transformer size (KVA)</td>
<td>KVA Total (Furished Dwelling)</td>
<td>KVA Total (Berevedt Dwelling)</td>
<td>Comments</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>Karlsholm</td>
<td>Transient Camp</td>
<td>Dewells No. (Furished Dwelling)</td>
<td>Dewells No. (Berevedt Design)</td>
<td>New Hours ** (Future Demand)</td>
<td>Primary Voltage Level (kV)</td>
<td>PWC Substation ID</td>
<td>PWC Test Number</td>
<td>Transformer size (KVA)</td>
<td>KVA Total (Furished Dwelling)</td>
<td>KVA Total (Berevedt Dwelling)</td>
<td>Comments</td>
</tr>
</tbody>
</table>

** For New house’s demand calculation see section 13.4 “Future Demand”.

1. Two transformers for this Town Camp.
2. Transformer is not in boundary of Town Camp.
3. Transformer is not in boundary of Town Camp.
4. Transformer is not in boundary of Town Camp.
5. Data extracted from PWC case in formation. There was no access to this Town Camp due to one-own in inspection day.
6. There is not any Transformer in boundary of Town Camp. Altitude is not shown in PWC case information.
Wuppa
Wuppa

1 Design

The infrastructure reviews have been undertaken against current relevant standards for typical sub-divisions. The following standards have been used in undertaking the reviews.

**Sewerage**
- Water Services Association of Australia – Sewerage Code – WSA 02 Part 1: Planning and Design
- Power and Water Corporation supplement to WSA 02
- Power and Water Corporation supplement to WSA 04
- Essential Services Infrastructure Assessment and Upgrade Guidelines (for Town Camps in Urban Communities), Power and Water Corporation, February 2009.
- Power and Water Corporation Standard Drawings
- Australian Standards

**Water supply**
- Power and Water Corporation supplement to WSA 03
- Power and Water Corporation Standard Drawings
- Essential Services Infrastructure Assessment and Upgrade Guidelines (for Town Camps in Urban Communities), Power and Water Corporation, February 2009.
- Australian Standards

**Electrical services**

Electrical infrastructure has been assessed against AS/NZS3000 Wiring Rules and against PWC Service, Installation and Metering Rules and Urban Residential Development (URD) Design Standards where possible.

With one exception, town camps are each a single lot and compliance with AS/NZS3000 is sufficient to address potential safety concerns.

As such application of PWC URD Design Standards will mainly apply to the incoming supply and bulk or initial multi-metering panels if provided.

URD Design Standards for internal reticulation and street lighting appear to have been applied in many cases for convenience rather than compliance.

For the purposes of this report, the demand per dwelling allowances of URD Design Standards have been used to estimate incoming supply and overall distribution capacity requirements.

The following standards apply:
- Australian Standards
- Power Networks Design and Construction Guidelines, Power and Water Corporation
  - NP001.1 Design and Construction of Network Assets – General Requirements
Further referral to the guidelines in this report will be designated by the guidelines number, NP001.1.

Communications

General
It should be noted that if the town camps are proposed to be subdivided and services assets gifted to Power and Water Corporation (PWC) for operation and maintenance, all of these services will need to fully meet PWC standards. With the exception of a few town camps that have recently been upgraded, this will require the full replacement and/or realignment of most services.
2 Condition assessment

2.1 Rating assessment matrix
A condition rating matrix was developed and used to assess all municipal infrastructure. The same rating was used for all services to maintain consistency in assessments. Table 1 below shows the condition rating and operability.

Table 1 Condition rating

<table>
<thead>
<tr>
<th>Condition rating</th>
<th>Operability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Very Poor</td>
</tr>
<tr>
<td></td>
<td>Not operational</td>
</tr>
<tr>
<td>2</td>
<td>Poor</td>
</tr>
<tr>
<td></td>
<td>Not fully operational or requires immediate maintenance to keep operational</td>
</tr>
<tr>
<td>3</td>
<td>Good</td>
</tr>
<tr>
<td></td>
<td>Fully operational, may require routine maintenance</td>
</tr>
<tr>
<td>4</td>
<td>Very Good</td>
</tr>
<tr>
<td></td>
<td>Fully operational, may require maintenance in the next six months</td>
</tr>
<tr>
<td>5</td>
<td>Excellent</td>
</tr>
<tr>
<td></td>
<td>New, fully operational</td>
</tr>
</tbody>
</table>

2.2 Civil assessment limitations
The civil infrastructure condition investigations were subject to a number of limitations. These include:

- Only accessible services have been investigated. This includes inspecting the top of sewer manholes, side entry pits, etc., however, does not include opening pits to inspect infrastructure below ground.
- No physical testing of the sewer, water or stormwater network was undertaken.
- No survey or service locating was undertaken.

As there was no survey, potholing or CCTV undertaken on the underground infrastructure there is insufficient information to make determinations on the asset condition. The condition assessments discussed in this report are only for the accessible services and do not necessarily represent the condition of the underground infrastructure. For the majority of the town camps, other than a few that have recently been upgraded it was found that the underground services are generally undersized and it is likely, due to their age, that these services are in poor condition. Either factor would trigger the need for a complete replacement to meet current relevant standards.

2.3 Electrical assessment limitations
The electrical infrastructure condition investigations were subject to a number of limitations. These include:

- Inspections were carried out without the assistance of an electrical tradesman.
- Only accessible services were investigated. Assessments were of a visual nature and no pit covers were removed.
- Overhead equipment was assessed from ground level.
- Switchboards were not opened and no assessment of the internal connections or bus ratings was made.
Electrical infrastructure was assessed down to the meter for multi-meter panels and down to the termination, overhead pole or distribution pillar, of the supply cable to a meter located at a dwelling.
3 Current infrastructure issues

Power and Water Corporation (PWC) have advised of the following concerns and issues in regard to the sewerage, water and electrical infrastructure at all town camps.

3.1 Ownership and maintenance

PWC stated there has always been confusion regarding the ownership and responsibilities of the internal sewer, water and electrical infrastructure. PWC have advised that they have no legal tenure on the majority of assets in any town camps and that the owner is essentially that of the land owner or leaseholder. This is further discussed for each type of infrastructure for each town camp.

The ownership and who is responsible for the maintenance of the sewage pump stations and street lighting is a major concern. In most town camps it was found that PWC have been maintaining the assets on an in-kind basis, although there are no maintenance or access agreements in place and the infrastructure is generally not compliant to PWC standards.

3.2 Access to infrastructure

PWC advised that due to the uncertainty surrounding ownership and responsibility of the sewerage, water and electrical infrastructure, each town camp is seen as a single lot with multiple houses on it. There are no formal road reserves or easements where the municipal infrastructure should be located. PWC therefore have no legal right to enter the town camps to work on the infrastructure, nor can PWC stop others from working on the infrastructure. There is a risk that the maintenance undertaken by others may be to a lower standard than PWC.

3.3 Existing infrastructure

PWC have stated that although the existing sewerage and water infrastructure appears to comply with relevant standards in some locations, the capacity cannot be assumed to meet PWC requirements due to the potential for underground substandard condition and/or grading of pipework. It is likely that these assets will need to be fully replaced to PWC standards to ensure sufficient capacity.

The planning process currently allows construction within the town camps on Commonwealth land without requiring service authority (PWC) approvals. This means that there has been no opportunity for PWC to recover contributions towards required upgrades to headworks servicing the developments and these upgrades have been paid for by PWC in the past. This inconsistency needs to be addressed for future developments within the town camps to ensure PWC are able to continue to provide adequate services.

3.4 Safety concerns

PWC have expressed concerns with safety of PWC staff and contractors working within the camps. PWC have employed procedures such as multiple people / vehicles to attend the site, with police or housing safety officers as required. This generally leads to a delayed response time and increased cost to respond to and remediate emergency situations.

PWC have also raised the concern that if others work on water infrastructure within the town camps and do not apply the correct sanitation procedures they not only risk contaminating the entire water supply network within the town camp, at some town camps with direct connections to the town supply, they risk contaminating the entire town’s water supply.
4 Available information

As the site investigations were limited to accessible / visible services, information on below ground services (such as electrical cables, sewer pipes, water supply pipes, etc.) were determined from available information. This information included:

- Serviced Land Availability Program (SLAP) maps,
- Department of Family & Community Services - Connecting Neighbours Program – Essential Services Scoping Study Report Volume 1 April 2005,
- Connecting Neighbours Project – Infrastructure Assessment and Recommendation Report - Arup Pty Ltd, April 2005,
- Drawings supplied by NT Department of Infrastructure - Technical Records,
- Drawings supplied by Power and Water Corporation,
- Bennett Design inspection reports and population data.

Aurecon undertook a site investigation of the Wuppa community on 1 December 2016 to inspect roads, stormwater drainage, electrical services, sewerage and water supply, and community structures. The following sections detail the outcomes of this investigation and the assessments of the infrastructure.

The civil and electrical inspection reports can be found in the Appendices.
5  Sewerage

5.1  Ownership and boundaries
The Wuppa community is currently serviced by a reticulation main. It appears as though the community has recently had sewer upgrades with the pipe size increased to DN150 PVC as part of the SIHIP program, refer Appendices for as-constructed drawings. The as-constructed drawings show that the new sewer network is generally within the road reserves or easement at the back or sides of properties. The Land Title for the Wuppa community, refer Appendices, does not show any easements. It should be noted that there are currently no legal road reserves since the town camp is perceived as a single lot. An easement should be created over the sewerage infrastructure to allow service providers access to the infrastructure, in particular for the sections where the pipework does not follow the road alignment. There are currently no easements over the sewerage infrastructure.

The gravity main also receives flows from neighbouring community Tingkarli via a sewer rising main. These flows have been included in the analysis of the community.

The internal sewer assets within Wuppa community are believed to be owned by Julalikari Housing Incorporated, but are the responsibility of Far North – T&J Contractors to maintain.

5.1.1  Connection methods and billing
PWC advised that they currently charge a single sewerage bill based on the number of houses, which for Wuppa is 15. The sewerage bill is charged to the Department of Housing and Community Development.

It is not known what contribution the residents make towards the sewerage bills.

5.2  Existing infrastructure condition assessment
The sewer infrastructure inspection was limited to inspecting the condition of manhole covers, as all other sewerage infrastructure is below ground. A comprehensive review of all available documentation, including reviewing as-constructed drawings and having discussions with Power and Water Corporation was conducted. The following table compares the assets that have been constructed, according to the as-constructed drawings, and the assets assessed during the inspections conducted by Aurecon.

Table 2 Sewerage assets inspected

<table>
<thead>
<tr>
<th>Asset type</th>
<th>Number of assets as per documentation</th>
<th>Number of assets assessed during inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manholes</td>
<td>35</td>
<td>9</td>
</tr>
</tbody>
</table>

As per Table 2, a number of manholes were not assessed during the inspections, this is likely due to access limitations such as manholes being located within private property or outside of the town camp, or were not visible at the time of the inspection (covered with grass, dirt or debris). Within the Wuppa town camp there was one sewer line (Line 100) in which none of the manholes were able to be
assessed. As a result Aurecon is unable to verify whether these lines have been constructed, especially since the line is to service ‘future’ lots which have not been constructed, and there is an existing sewer line (Ex. Line 100) which services the two existing lots.

The condition ratings of the manholes inspected are as follows:

Table 3 Sewer condition assessment

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manholes</td>
<td>1</td>
<td>7</td>
<td>1</td>
<td></td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Figure 1 Sewer manhole, condition: very good

Figure 2 Sewer manhole, condition: poor

The sewer manholes were generally in good condition, with only one being rated in poor condition. This is due to the grass covering the manhole and the concrete damage to the lid.

5.3 Current performance and risks

5.3.1 Current sewer network performance
The current capacity of the sewer network was calculated based on the following design assumptions:

- The adopted minimum grade for the pipework is 1.0%, as advised by Power and Water Corporation.
The Equivalent Population (EP) has been calculated assuming one household equates to 9 EP, based on discussions with Power and Water Corporation. The capacity has been assessed by calculating the current flow rate, and the maximum flow rate when the sewer pipe flows full. The result is then a percentage of how much of the pipe is currently being used. Manning’s roughness coefficient of the pipework is 0.012, as recommended by PWC for PVC pipes. Where the sewer pipe grade, size or material is not known, it is assumed to be non-compliant to PWC standards.

The current number of houses in Wuppa community is 23, including a number of non-dwellings where people are currently living, this multiplied by 9 EP per house gives a total current EP of 207. The capacity of the existing sewer was then calculated. The percentage shows how much of the pipe capacity is currently being used.

Table 4 Existing sewer capacity

<table>
<thead>
<tr>
<th>Catchment</th>
<th>Current total EP</th>
<th>Diameter of connection (mm)</th>
<th>Adopted PWC minimum slope (%)</th>
<th>$Q_{\text{full}}$ (L/s)</th>
<th>Current Q (L/s)</th>
<th>Current capacity (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catchment 1</td>
<td>207</td>
<td>150</td>
<td>1.0</td>
<td>16.50</td>
<td>1.64 (Tingkaril) + 2.37 (Wuppa) = 3.81</td>
<td>24%</td>
</tr>
</tbody>
</table>

Table 4 above shows that the capacity of the existing sewer network is adequate for the current peak population.

5.4 Future demands
The future demand analysis showed that one additional house is required to provide permanent accommodation for residents that are currently living in non-house dwellings. The type and location of house, number of bedrooms, etc. will need to be determined by the Department of Housing and Community Development when this work is undertaken.

An allowance of 9 EP has already been provided for each temporary house (caravans, structures, etc) in the current demand calculations, so the future EP will not increase since the residents from the temporary housing will be living in the new accommodation and the number of tenants will not be increased.

The location of the new house is assumed to be close to the existing houses such that significant extension of the existing sewerage infrastructure would not be required. This means that no additional sewerage infrastructure upgrades would be required to cater for the new house, other than what has already been recommended for the current demand, and not including a new house drain and connection to the existing network. The cost estimates for these works have been allowed for in the upgrades for current demand.

5.5 Recommended works

5.5.1 Works required to existing infrastructure for current demand
No immediate maintenance works or upgrades are required.
5.5.2 Works required to existing infrastructure for future demand

The new house will require a new house drain and connection to the existing sewer network.
6 Water supply

6.1 Ownership and boundaries

The water supply infrastructure was upgraded to PWC standards as part of the SIHIP program. The water reticulation network servicing Wuppa includes DN150 PVC looped mains with three supply points, refer to Appendices for as-constructed drawings.

The water supply assets within Wuppa are believed to be owned by Julalikari Housing Incorporated, but are the responsibility of Far North – T&J Contractors to maintain. The water is supplied from a water mains outside of the community, which is the responsibility of PWC.

PWC have advised they currently maintain the water assets up to the residential lot water meters, although there is no formal agreement covering this maintenance.

Figure 3 shows the extent of the water services.

![Figure 3 Wuppa water supply network](Image)

Note Figure 3 indicates DN100 pipes, however the as-constructed engineering drawings shown in the Appendices specify DN150. Furthermore a third supply to the community is shown on the as-constructed drawings which is not displayed in Figure 3. It is understood that the Figure above has not been updated recently.
6.1.1 Connection methods and billing

Through consultation with PWC it has been determined that the water usage is currently charged as a fixed daily rate for 15 house water meters within Wuppa. The bill is issued to the Department of Housing and Community Services. It is not known what contribution the residents make towards water bills.

It is proposed that PWC measure the water supply to the entire community, as opposed to individual lots within the community. This requires the installation of a bulk water meter on the water main located at the community boundary. Under this scheme, the water bill for the entire community is the responsibility of the governing body, being Julalikari Housing Incorporated for Wuppa. It will be up to governing body to assign bills to residents accordingly.

It is recommended that the individual lot meters are maintained in addition to the proposed use of bulk water meters. This will assist the governing body with distributing bills to residents, the identification of any leaks in the network, and meeting PWC standards should the town camp be subdivided in the future.

A total of ten water meters were assessed during the inspection. However, Bennett Design recorded 15 permanent dwellings in the community. Therefore, up to six additional water meters are required to cover the properties without an existing water meter. Note, some water meters may have been present however, not visible due to overgrown flora or restricted property access. Consequently, water meters may not have been discovered during the inspection.

6.2 Existing infrastructure condition assessment

The site investigation for the water infrastructure included assessing the condition of any air valves, fire hydrants, tanks, taps, and water meters. The assessment was limited to services that could be assessed above ground; no below ground services were inspected. A comprehensive review of all available documentation, including reviewing as-constructed drawings and having discussions with Power and Water Corporation was conducted. The following table compares the assets that have been constructed, according to the as-constructed drawings, and the assets assessed during the inspections conducted by Aurecon.

<table>
<thead>
<tr>
<th>Asset type</th>
<th>Number of assets as per documentation</th>
<th>Number of assets assessed during inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire hydrants</td>
<td>9</td>
<td>8</td>
</tr>
<tr>
<td>Water meter (residential lots)</td>
<td>16</td>
<td>10</td>
</tr>
</tbody>
</table>

As per Table 5, a fire hydrant and a number of water meters were not assessed during the inspections, this is likely due to overgrown flora or restricted property access as previously discussed. The condition of each asset is as follows:
### Table 6 Water asset condition assessment

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire hydrants</td>
<td>6</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>Water meter (residential lots)</td>
<td>8</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

No water supply assets were assessed as being in poor or very poor condition, however it is recommended that dirt and vegetation covering three fire hydrants is cleared for easier identification in case of an emergency.

### 6.3 Current performance and risks

The current demand of the community was calculated based on the following design assumptions:

- The nominal peak day flow is 1300 L/capita/day, based on PWC’s supplement to WSA 03 2002. This value is for the southern region of NT. It was assumed that the nominal peak day flow of 1300 L/capita/day also applies to water usage within the community, although it is possible that this value could be higher in real life due to a lack of controls to reduce water usage.
- The Equivalent Population (EP) has been calculated assuming one household equates to 9 EP, based on discussions with Power and Water Corporation.
- The peak hour factors are listed in PWC’s Supplement to WSA 03-2002, and they depend on the population range of the community. The peak hour factor of 3.0 has been adopted, for populations less than 500.
Table 7 shows the calculated demand.

### Table 7 Current water demand

<table>
<thead>
<tr>
<th>Total dwellings</th>
<th>EP</th>
<th>Demand (l/s)</th>
<th>Peak hour demand (l/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>207</td>
<td>3.11</td>
<td>9.31</td>
</tr>
</tbody>
</table>

The system is expected to meet PWC flow (peak hour and fire flow) requirements.

The assessment of water supply for firefighting has been based on the size of the water mains and the condition of the accessible fire hydrants. Additional hydrants have been recommended where it appears the existing number of hydrants are insufficient. In the case of Wuppa, the existing fire hydrants are expected to provide adequate coverage for firefighting.

The water reticulation is believed to have sufficient capacity and it appears that the pipe sizes are compliant with PWC standards. The as-constructed drawings show a section of the water main is installed in a dedicated water main easement, however, the Land Title information indicates that no formal easements are located within the community. It is recommended that if the assets are to be gifted to PWC, that easements are created over the services.

### 6.4 Future demands

The future demand analysis showed that one additional house is required to provide permanent accommodation for residents that are currently living in non-house dwellings. The type and location of house, number of bedrooms, etc. will need to be determined by the Department of Housing and Community Development when this work is undertaken.

An allowance of 9 EP has already been provided for each temporary house (caravans, structures, etc) in the current demand calculations, so the future EP will not increase since the residents from the temporary housing will be living in the new accommodation and the number of tenants will not be increased.

The location of the new house is assumed to be close to the existing houses, so that an extension of the existing water supply infrastructure would not be required. This means that no additional water supply infrastructure upgrades would be required to cater for the new house, except for a new residential lot water meter and connection to the existing network. The cost estimates for these have been allowed for in the upgrades for current demand.

### 6.5 Recommended works

#### 6.5.1 Works required to existing infrastructure for current demand

The infrastructure that was assessed as very poor or poor is recommended to be upgraded to prevent failure in the future. The following maintenance works are recommended:

- Clear dirt and overgrown grass from three fire hydrants

The community is viewed overall as a large single lot and as previously detailed, proposed to have the water usage measured accordingly. In order to measure the water usage as a single lot, a bulk water meter should be installed. Since the existing network has three supply points, two should be disconnected and
reconnected elsewhere, creating network looping. This allows the single remaining connection to be metered. The cost estimates for upgrades at Wuppa include:

- Disconnect two supply points and loop dead ends.
- Install bulk water meter at the community boundary
- Install up to five new residential lot water meters

6.5.2 Works required to existing infrastructure for future demand
The new house will require an additional residential lot water meter and connection to the existing network.
7 Roadworks

7.1 Ownership and boundaries
The roads within Wuppa community are believed to be owned by Julalikari Housing Incorporated, but are the responsibility of Far North – T&J Contractors to maintain.

7.2 Existing infrastructure condition assessment
The road network within Wuppa community consists primarily of sealed roads. There are also numerous tracks which appear to be used frequently which are not included in the inspection and report. Road furniture including signs, foot paths and car parks were also inspected. Table 8 below summarise the condition of the road furniture as assessed during the site inspection.

Table 8 Roadworks condition assessment

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Footpaths</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Signs</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td>7</td>
</tr>
</tbody>
</table>

Figure 6 Sign, condition: good

Figure 7 Footpath, condition: very good
The signs in Wuppa were mostly in poor or very poor condition. This is due the street name signs not having a sign, but only a post. One sign also had some graffiti. It is recommended that these signs are installed and replaced.

The footpaths in Wuppa were generally in good or very good condition. Some sections of footpath require general maintenance to remove weeds, grass, debris, and graffiti.

Figure 8 Wuppa community road network

Table 9 below details the condition of the roads within Wuppa community for specific segments. Figure 8 shows a map of the community’s road network with the condition ratings, road name, and chainage direction. Note, the percentage refers to the percentage of that particular road segment which experiences the defect.
<table>
<thead>
<tr>
<th>Road Name</th>
<th>Chainage start (km)</th>
<th>Chainage end (km)</th>
<th>Road segment condition (1-5)</th>
<th>Defects and associated condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>684_2</td>
<td>0</td>
<td>0.15</td>
<td>3</td>
<td>-some dirt in gutters (3) -road has poor general appearance due to graffiti, loose stones, dirt in gutters</td>
</tr>
<tr>
<td></td>
<td>0.15</td>
<td>0.3</td>
<td>3</td>
<td>-some dirt in gutters (3) -road has poor general appearance due to graffiti, loose stones, dirt in gutters</td>
</tr>
<tr>
<td>Wuppa Town Camp Internal</td>
<td>0.1</td>
<td>0.3</td>
<td>3</td>
<td>-some dirt in gutters (3) -20% of road has bleeding defect (3) -3 sections of graffiti (2)</td>
</tr>
<tr>
<td></td>
<td>0.3</td>
<td>0.4</td>
<td>3</td>
<td>-some dirt in gutters (3) -gutters full of dirt (3) -20% of road has stone loss -20% of road has bleeding defects (3)</td>
</tr>
<tr>
<td></td>
<td>0.4</td>
<td>0.55</td>
<td>3</td>
<td>-some dirt in gutters (3) -10% of road has stone loss -20% of road has bleeding defects (3)</td>
</tr>
<tr>
<td></td>
<td>0.55</td>
<td>0.68</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

It is recommended that the dirt is removed from the gutters and the roads are generally tidied up to remove loose stones, debris, and graffiti.

Figure 9 Wuppa Town Camp Internal Road, condition: *good*. Dirt in gutters

Figure 10 Wuppa Town Camp Internal Road, condition: *good*. Stone loss, bleeding defects
7.3 Current performance and risks
The road network is sufficient for the current number of houses and is in a generally good condition. It was noted during the site inspections that a number of unsealed ‘short-cuts’ had been created and were regularly used. It is not recommended that these paths are formalised.

7.4 Future demands
The addition of one new house will not require any upgrades to the road network. The additional house will require minor upgrades to the kerb to provide a layover kerb for a driveway.

7.5 Recommended works

7.5.1 Works required to existing infrastructure for current demand
The infrastructure that was assessed as very poor or poor is recommended to be upgraded. The following works are recommended to upgrade the current infrastructure;

- Install three street name signs (sign only)
- Replace one Give Way sign (or remove graffiti)
- General maintenance of footpath – approximately 100 m
- Remove graffiti from road
- General tidy up – approximately 300 m
- Clear out gutters – approximately 400 m

7.5.2 Works required to existing infrastructure for future demand
Works required to provide for one additional house include upgrading the existing kerb to a layover kerb.
8 Stormwater drainage

8.1 Ownership and boundaries
The stormwater drainage assets within Wuppa community are believed to be owned by Julalikari Housing Incorporated, but are the responsibility of Far North – T&J Contractors to maintain.

Stormwater drainage infrastructure outside of the community is owned by Barkly Regional Council.

8.2 Existing infrastructure condition assessment
The site investigation for the stormwater infrastructure included assessing the condition of swales, culverts, headwalls, and side entry pits (SEP). Only the above ground infrastructure was assessed. As the inspection was undertaken outside of a storm event and no CCTV of the pipes was undertaken, flooding due to blockages or damage to the underground infrastructure could not be assessed. Table 10 below summarises the condition of the stormwater assets as assessed during the inspection.

Table 10 Stormwater condition assessment

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEP</td>
<td>2</td>
<td>20</td>
<td>5</td>
<td></td>
<td></td>
<td>27</td>
</tr>
</tbody>
</table>

Figure 11 Two bay side entry pit, condition: poor
27 side entry pits were inspected during the site investigation. Of these pits, only one had blockage of approximately 60%, while majority had between 0% and 20% blockages. It is recommended that these pits are cleaned out to avoid further blockages in the underground stormwater pipes.

Only one pit, shown in Figure 11, had concrete damage. It is recommended that this side entry pit is repaired to prevent further damage.

8.3 Current performance and risks
The detailed performance of the stormwater network cannot be fully analysed without significant hydraulic and hydrodynamic modelling, which is outside the scope of this project. However based on the condition of the stormwater infrastructure assessed it would appear to be operating adequately.

8.4 Future demands
The addition of one new house in the community will not have an impact on the stormwater drainage infrastructure, and no upgrades are required as a result.

8.5 Recommended works

8.5.1 Works required to existing infrastructure for current demand
The following works are recommended to upgrade or improve the current infrastructure:

- Repair one two bay side entry pit
- Clear blockages from 21 side entry pits

8.5.2 Works required to existing infrastructure for future demand
No upgrades required.
9 Community structures

9.1 Ownership and boundaries
There are no community structures at Wuppa community.

9.2 Future demands
The population of Wuppa is not expected to increase with the addition of one new house, as this house will provide permanent accommodation for residents that currently live in temporary housing. No additional community structures are required.
10 Electrical services

10.1 Ownership and boundaries
The following points, from Network Policy NP003 Installation Rules Section 3, define the typical shared ownership of electrical infrastructure by Power and Water Corporation (PWC) and customers.

- The point of supply is defined as the point where PWC makes the electrical supply available. For domestic supply, this is normally one of the following:
  - A point of attachment of an overhead service on to a building or pole on which a metering panel is fitted.
  - A point of attachment of an overhead service on to a pole forming part of unmetered aerial consumer’s mains.
  - A nominated point on a distribution substation located on the customer’s lot.
  - A point of connection of an underground service in a metering panel, including underground services originating at an overhead line.
  - A point of connection of an underground service in a pillar or junction box forming part of unmetered consumer’s mains, located on the customer’s lot.
  - A point on a Power and Water pillar located on the customer’s lot.

Typically, distribution infrastructure upstream of the Point Of Supply is owned and maintained by PWC and infrastructure below the point of supply is owned and maintained by the customer.

In many cases PWC have defined a Point Of Supply to ensure that they retain responsibility for aerial high voltage infrastructure, and aerial low voltage infrastructure where installed with aerial high voltage infrastructure, to minimise the possibility of the community or its contractors coming into contact, either deliberately or inadvertently, with aerial high voltage infrastructure.

In other cases isolation facilities are present or desired by PWC to define the Point of Supply at or near the boundary of the town camp.

PWC advise that most of Tennant Creek/Alice Springs Town Camps have undergone upgrades under the SIHIP program with the intent to normalise the services to look like an urban subdivision but have never been formally handed over to PWC for operations and maintenance.

The Wuppa community electrical reticulation systems is supplied by two transformer to an overhead reticulation scheme to individual house and overhead power pole mount street lights. Prepaid meters are utilised in Wuppa community.

PWC advise that the Point Of Supply is the LV terminals of the substations and that they own and are responsible for the first pole mount substation and upstream infrastructure.

PWC recommend that a GBS (Gas Break Switch) be provided upstream of the first transformer to establish a demarcation point.

PWC advise that street lighting is supplied from unmetered LV infrastructure and is the responsibility of the lot holder and not PWC.

All meters, whether pre- or post-paid are the property of PWC.

Wuppa community are responsible for maintain all unmetered and metered LV infrastructure including the main switchboard, metering panel (excluding meter), LV distribution feeders, distribution pillars, consumers mains and consumer switchboards and street lights.
10.2 Existing infrastructure condition assessment

Table 11 shows the condition rating given to the street lights. The street lights were of a low voltage overhead feeder design, mercury and sodium lamp type, M125D and S70D. The street lights have 19% operational rating and 81% inoperable.

Table 11 Street light on O/H pole condition assessment

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street light on O/H pole</td>
<td>25</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>31</td>
</tr>
</tbody>
</table>

Table 12 shows the condition rating given to the transformers. The transformers were of pole mount substation design. The transformer was visually accessed to be in good condition.

Table 12 Transformer condition assessment

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transformer</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

Table 13 shows the condition rating given to the Overhead poles. The overhead poles are of Weld Construction (Universal Pole construction).

Table 13 Overhead pole condition assessment

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overhead pole</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

Table 14 shows the condition rating given to the metering panels. All assessed meters in this community are prepaid digital meters.

Table 14 Meter panel condition assessment

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-paid meter</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Switchboard</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

Table 15 shows the condition rating given to the switchboards associated to dwellings.

Table 15 Switchboard condition assessment (Housing footprint)

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switchboard</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>
The details of the individual inspections and photographs of each infrastructure item are included in the Appendices.

10.3 **Current performance and risks**

The electrical infrastructure evaluation was conducted against the following criteria:

- Number of dwellings on tenure, the higher value of the funded dwelling and as quoted in the population report was utilised.
- Urban area, NP001.1, 4. Definitions.
- General Specification for URD Subdivisions, NP001.6, 4.3 Substation Size.
- Normal ADMD (After Diversity Maximum Demand) of 4.5 kVA and high cost subdivisions at 7 kVA.
- Transformer ratings were assumed to be correct in Dekho (PWC asset information system) and compared against photographs of test or transformer numbers collected.
- Substation loads were compared against transformer sizes only. No load flow analysis was conducted.
- No load calculations were performed or assessment conducted on overhead or underground cable, visual inspection from the ground only.
- Street lighting loads were ignored as they are not significant.

The calculated maximum demand of the Wuppa community transformer is 23% of rated capacity based on 4.5kVA/dwelling. The calculated maximum demand is within the total capacity of the substation on site.

**Table 16 Wuppa current demand load vs transformer ratings**

<table>
<thead>
<tr>
<th>Com Id</th>
<th>Community name</th>
<th>Dwellings</th>
<th>Transformer (kVA)</th>
<th>kVA Total @ 4.5kVA</th>
<th>kVA Total @ 7kVA</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>684</td>
<td>Wuppa</td>
<td>15</td>
<td></td>
<td>67.5</td>
<td>105</td>
<td>Two transformers for this Town Camp.</td>
</tr>
</tbody>
</table>

A tabulated summary of all the community transformers in the Appendices.

There is a risk of equipment not being maintained associated with the non-standard division of responsibilities between the customer and PWC.

The following points from the PWC Metering Rules should be noted:

- The routine maintenance of metering installations and the replacement of any faulty meters is the responsibility of PWC.
- The property owners are responsible for the maintenance and upkeep of meter rooms, boxes and panels (including lids, doors and locking mechanisms).
- The installation of pre-paid metering is a cost to the customer, refer NP010 Meter Manual-Maintenance of Metering Installations, Power and Water Corporation.

10.4 **Future demands**

There is one new development currently planned for Wuppa community. Calculated future maximum demand of the Wuppa community transformer is 24% of rated
capacity based on 4.5kVA/dwelling. The calculated future maximum demand is within the total capacity of the substation on site.

Table 17 Wuppa current demand load vs transformer ratings

<table>
<thead>
<tr>
<th>Com Id</th>
<th>Community name</th>
<th>Dwellings</th>
<th>Transformer kVA Total</th>
<th>kVA Total @ 4.5kVA</th>
<th>kVA Total @ 7kVA</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>684</td>
<td>Wuppa</td>
<td>16</td>
<td>100</td>
<td>72</td>
<td>112</td>
<td>Two transformers for this Town Camp.</td>
</tr>
</tbody>
</table>

10.5 Recommended works

The Wuppa community transformer is owned by PWC who are aware of the loading of this transformer and have assessed the load does not require that this transformer be upgraded or replaced.

The following maintenance works and upgrades are recommended:

- Repair 25 street lights 125W
11 Communications

11.1 Ownership and boundaries
Details of Telstra pit and conduit infrastructure within the town camp boundaries were sought but were not forthcoming.

11.2 Existing infrastructure condition assessment
The telecommunications infrastructure assessed included pits and telephone booths.

The Appendices contain the individual reports.

Table 18 Telecommunication pit condition assessment

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telecommunication pit</td>
<td>2</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Table 19 Telephone booth condition assessment

<table>
<thead>
<tr>
<th>Asset</th>
<th>1 Very Poor</th>
<th>2 Poor</th>
<th>3 Good</th>
<th>4 Very Good</th>
<th>5 Excellent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone booth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2 (status unknown)</td>
</tr>
</tbody>
</table>

11.3 Current performance and risks
No details of the performance of communications infrastructure were obtained.

11.4 Future demands
The current availability of broadband services at Wuppa is displayed in the Figure 13 below. NBN is available to residents via a fixed telecommunication line on application to an appropriate NBN access provider.
The NBN rollout map confirms that NBN is planned to be made available to residents via fixed telecommunications line on application to an appropriate NBN access provider.

11.5 Recommended works
Representatives from NBN’s Land Access and Stake Holder management teams are currently engaged with Yilli Housing and NT Housing to look at how camps will be serviced. It is expected that any existing premises in these camps will have some type of NBN service via the NBN brownfields rollout in the future.

No works are required at Wuppa because NBN is available to residents via fixed telecommunications line on application to an appropriate NBN access provider.
### Cost estimates

Table 20 below shows a summary of the cost estimates to undertake the maintenance required to fix the existing infrastructure, to upgrade the existing network to meet current design standards, and to upgrade the existing network to cater for the future design. The cost estimates for the future design have been incorporated in the current design cost estimates since no significant upgrades are required. The estimates take into account a 30% contingency, are inclusive of GST, and a location factor has been applied to town camps outside of Darwin.

<table>
<thead>
<tr>
<th>Infrastructure</th>
<th>Maintenance of existing infrastructure</th>
<th>Upgrades to meet current design</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sewerage</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Water supply</td>
<td>$1,000</td>
<td>$96,000</td>
</tr>
<tr>
<td>Roadworks</td>
<td>$33,000</td>
<td>$0</td>
</tr>
<tr>
<td>Stormwater drainage</td>
<td>$7,000</td>
<td>$0</td>
</tr>
<tr>
<td>Community structures</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Electrical</td>
<td>$33,000</td>
<td>$0</td>
</tr>
<tr>
<td>Communications</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Miscellaneous provisions</td>
<td>$20,000</td>
<td>$23,000</td>
</tr>
<tr>
<td><strong>Total (including GST)</strong></td>
<td><strong>$94,000</strong></td>
<td><strong>$119,000</strong></td>
</tr>
<tr>
<td><strong>Grand total</strong></td>
<td><strong>$213,000</strong></td>
<td></td>
</tr>
</tbody>
</table>

The cost estimates are a preliminary estimate only. Since Aurecon has no control over the cost of labour, materials, equipment or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, Aurecon cannot guarantee actual costs will not vary from these estimates.
Summary
The following works are recommended for Wuppa community:

Sewerage
- No works required

Water supply
- Clear dirt and overgrown grass from three fire hydrants
- Disconnect two supply points and loop dead ends.
- Install bulk water meter at the community boundary
- Install up to five new residential lot water meters

Roadworks
- Install three street name signs (sign only)
- Replace one Give Way sign
- General maintenance of footpath – approximately 100 m
- Remove graffiti from road
- General tidy up – approximately 300 m
- Clear out gutters – approximately 400 m

Stormwater drainage
- Repair one two bay side entry pit
- Clear blockages from 21 side entry pits

Community structures
- No works required

Electrical services
- Repair 25 street lights 125W

Communications
- No works are required because NBN is available to residents via fixed telecommunications line on application to an appropriate NBN access provider.
Civil inspection reports
Legend

Town Camp boundary

Sewerage

Manholes (9)

Note:
Label numbers refer to survey IDs

Date: 23/02/2017  Version: 2
Coordinate system: MGA94 Zone 52

NT Town Camp Infrastructure Assessments: Sewerage
684 - Wuppa (Tennant Creek)
Legend
Town Camp boundary
Water
Fire Hydrants (8)
Water Meter (9)

Note: Label numbers refer to survey IDs

Coordinate system: MGA94 Zone 52

A3 scale: 1:2,000

NT Town Camp Infrastructure Assessments: Water
684 - Wuppa (Tennant Creek)
What Water Asset Are you Capturing: Fire Hydrants

Single or Double: No

Sluice Valve: No
Above or Below ground: Below ground
FH Leakage: No Access

Bollards around hydrant: No
FH Condition: 4 - Very Good
FH Comment:
<table>
<thead>
<tr>
<th>What Water Asset Are you Capturing:</th>
<th>Fire Hydrants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single or Double:</td>
<td>No</td>
</tr>
<tr>
<td>Sluice Valve:</td>
<td>No</td>
</tr>
<tr>
<td>Above or Below ground:</td>
<td>Below ground</td>
</tr>
<tr>
<td>FH Leakage:</td>
<td>No Access</td>
</tr>
<tr>
<td>Bollards around hydrant:</td>
<td>No</td>
</tr>
<tr>
<td>FH Condition:</td>
<td>3 - Good</td>
</tr>
<tr>
<td>FH Comment:</td>
<td>Tree growing over</td>
</tr>
</tbody>
</table>
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date**  1/12/2016 2:35:28 PM

<table>
<thead>
<tr>
<th>Insp ID: 1580</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Water Asset Are you Capturing:**  Fire Hydrants

- **Single or Double:** No
- **Sluice Valve:** No
- **Above or Below ground:** Below ground
- **FH Leakage:** No Access
- **Bollards around hydrant:** No
- **FH Condition:** 3 - Good
- **FH Comment:**

![Image of fire hydrant with FH notation](P:\GIS\Projects\253963_NT\Image found and displayed.1502)
What Water Asset Are you Capturing: Fire Hydrants

Single or Double: No
Above or Below ground: Below ground
FH Leakage: No Access
Bollards around hydrant: No
FH Condition: 3 - Good
FH Comment: Paint fading/peeling
## Civil Infrastructure

### Inspection Date
1/12/2016 2:56:00 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1593</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### What Water Asset Are you Capturing: Fire Hydrants

- **Single or Double:** No
- **Sluice Valve:** No
- **Above or Below ground:** Below ground
- **FH Leakage:** No Access
- **Bollards around hydrant:** No
- **FH Condition:** 3 - Good
- **FH Comment:**

![Image of hydrant](image-url)
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**  1/12/2016 2:45:59 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1597</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What Water Asset Are you Capturing:  **Fire Hydrants**

Single or Double:  

Sluice Valve:  No

Above or Below ground:  Below ground

FH Leakage:  No Access

Bollards around hydrant:  No

FH Condition:  4 - Very Good

FH Comment:  Paint peeled from kerb
### Civil Infrastructure

**Northern Territory Town Camps**

**Inspection Date**: 1/12/2016 3:34:48 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1604</td>
<td>3 - Tennant Creek, Elliott</td>
<td></td>
</tr>
</tbody>
</table>

**What Water Asset Are you Capturing:** Fire Hydrants

- **Single or Double:** No
- **Sluice Valve:** No
- **Above or Below ground:** Below ground
- **FH Leakage:** No Access
- **Bollards around hydrant:** No
- **FH Condition:** 3 - Good

**FH Comment:**

![](1506)
Civil Infrastructure

Northern Territory Town Camps

**Inspection Date** 1/12/2016 3:31:07 PM

**Insp ID:** 1608  **Group 3 - Tennant Creek, Elliott**  **Wuppa**

What Water Asset Are you Capturing: Fire Hydrants

- **Single or Double:**
  - No

- **Sluice Valve:**
  - No

- **Above or Below ground:**
  - Below ground

- **FH Leakage:**
  - No Access

- **Bollards around hydrant:**
  - No

- **FH Condition:**
  - 3 - Good

- **FH Comment:**
  - Graffiti
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date** 1/12/2016 1:58:28 PM

<table>
<thead>
<tr>
<th>Insp ID: 1560</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **Road Name:** Wuppa Town Camp Internal
- **What are you inspecting:** Foot Paths
- **Footpath Width (mm):** 1200
- **Footpath Type:** Concrete
- **Footpath Condition:** 3 - Good

**General Comment:**

---

![Image of Wuppa Town Camp Internal footpath]

---

![Image of Wuppa Town Camp Internal footpath]
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 1/12/2016 2:28:51 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wuppa Town Camp Internal</td>
<td></td>
</tr>
<tr>
<td>What are you inspecting:</td>
<td>Foot Paths</td>
<td></td>
</tr>
<tr>
<td>Footpath Width (mm):</td>
<td>1200</td>
<td></td>
</tr>
<tr>
<td>Footpath Type:</td>
<td>Concrete</td>
<td></td>
</tr>
<tr>
<td>Footpath Condition:</td>
<td>4 - Very Good</td>
<td></td>
</tr>
<tr>
<td>Comment:</td>
<td>Some graffiti</td>
<td></td>
</tr>
</tbody>
</table>

General Comment:
## Northern Territory Town Camps
### Civil Infrastructure

**Inspection Date** 1/12/2016 2:41:07 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>1577</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**Road Name:** Wuppa Town Camp Internal  
**What are you inspecting:** Foot Paths  
**Footpath Width (mm):** 1200  
**Footpath Type:** Concrete  
**Footpath Condition:** 3 - Good  
**Comment:** Some graffiti  
**General Comment:**

![Footpath Image](image_url)
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date** 1/12/2016 3:02:22 PM

<table>
<thead>
<tr>
<th>Insp ID: 1588</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **Road Name:** Wuppa Town Camp Internal
- **What are you inspecting:** Foot Paths
- **Footpath Width (mm):** 1200
- **Footpath Type:** Concrete
- **Footpath Condition:** 4 - Very Good

**Comment:**

**General Comment:**

![Image of footpath](image-url)
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date** 1/12/2016 3:31:53 PM

<table>
<thead>
<tr>
<th>Inspect ID: 1607</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**Road Name:** 684_2

**What are you inspecting:** Foot Paths

**Footpath Width (mm):** 1200

**Footpath Type:** Concrete

**Footpath Condition:** 3 - Good

**Comment:**

**General Comment:** Footpath from ch 150 to 300 only

![Footpath from ch 150 to 300 only](P:\GIS\Projects\253963_NT)
What Sewerage Asset are you capturing: Manholes
MH Cover Shape: Rectangular
Manhole Cover Diam (mm): 
Manhole Length (mm): 1000
Manhole Width (mm): 700
Manhole Condition: 2 - Poor
Notes on Lid:
Comments:
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date** 1/12/2016 3:07:03 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **What Sewerage Asset are you capturing:** Manholes
- **MH Cover Shape:** Rectangular
- **Manhole Cover Diam (mm):**
- **Manhole Length (mm):** 1000
- **Manhole Width (mm):** 700
- **Manhole Condition:** 3 - Good
- **Notes on Lid:** New 100/D1
- **Comments:**

![Manhole Image](image-url)
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 3:05:47 PM

Insp ID:  1586  Group 3 - Tennant Creek, Elliott  Wuppa

What Sewerage Asset are you capturing:  Manholes
MH Cover Shape:  Rectangular
Manhole Cover Diam (mm):  
Manhole Length (mm):  1000
Manhole Width (mm):  700
Manhole Condition:  3 - Good
Notes on Lid:  NEW 100/D2
Comments:

[Image of a manhole cover with markings]
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**  1/12/2016 2:57:16 PM

<table>
<thead>
<tr>
<th>Insp ID: 1591</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

What Sewerage Asset are you capturing: **Manholes**

MH Cover Shape: **Rectangular**

Manhole Cover Diam (mm):  
Manhole Length (mm): 1000

Manhole Width (mm): 700

Manhole Condition: 3 - Good

Notes on Lid: EX100/10

Comments: 

![Manhole Image](image)
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date** 1/12/2016 2:49:14 PM

<table>
<thead>
<tr>
<th>Insp ID: 1595</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **What Sewerage Asset are you capturing:** Manholes
- **MH Cover Shape:** Rectangular
- **Manhole Cover Diam (mm):**
- **Manhole Length (mm):** 1000
- **Manhole Width (mm):** 700
- **Manhole Condition:** 3 - Good
- **Notes on Lid:** EX100/11
- **Comments:** Lid not on properly

![Image of a manhole](image-url)
## Northern Territory Town Camps
### Civil Infrastructure

**Inspection Date**: 1/12/2016 2:44:09 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>1599</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Sewerage Asset are you capturing**: Manholes

**MH Cover Shape**: Rectangular

**Manhole Cover Diam (mm)**: 1000

**Manhole Length (mm)**: 700

**Manhole Width (mm)**: 3 - Good

**Notes on Lid**: 

**Comments**: 

![Manhole Image](Image found and displayed.)
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date**  1/12/2016 3:33:54 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1605</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What Sewerage Asset are you capturing: **Manholes**

MH Cover Shape: **Rectangular**

Manhole Cover Diam (mm):  
Manhole Length (mm): 1000

Manhole Width (mm): 700

Manhole Condition: **3 - Good**

Notes on Lid:  
Comments: **Lid covered with grass and dirt**

![Image of Manhole](image_url)
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 3:43:37 PM

Insp ID:  1616  Group 3 - Tennant Creek, Elliott  Wuppa

What Sewerage Asset are you capturing:  Manholes
MH Cover Shape:  Rectangular
Manhole Cover Diam (mm): 
Manhole Length (mm):  1000
Manhole Width (mm):  700
Manhole Condition:  3 - Good
Notes on Lid: 
Comments:

P:\GIS\Projects\253963_NT Image found and displayed.
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 3:53:50 PM

Insp ID: 1617  Group 3 - Tennant Creek, Elliott  Wuppa

What Sewerage Asset are you capturing: Manholes
MH Cover Shape: Rectangular
Manhole Cover Diam (mm): 
Manhole Length (mm): 1000
Manhole Width (mm): 700
Manhole Condition: 4 - Very Good
Notes on Lid: EX100/3
Comments:

![Manhole Image]
### Road Name:
Wuppa Town Camp Internal

### What are you inspecting:
Pavements

### Ch From (km):
0

### Ch To (km):
0.1

### Road Type:
Sealed - spray seal

### Section Width (m):
7.2

### Road Condition:
3 - Good

### General Comment:

#### Kerbs Section

<table>
<thead>
<tr>
<th>Kerb Type</th>
<th>Kerb Cond</th>
<th>Kerb Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerb and Gutter</td>
<td>3 - Good</td>
<td>Some dirt in gutters</td>
</tr>
</tbody>
</table>

#### Shoulders Section

#### Linemarking Section

#### Obstruction Section
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 1/12/2016 1:56:30 PM
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 1/12/2016 1:56:30 PM
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**  1/12/2016 2:11:13 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>1566</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

Road Name: Wuppa Town Camp Internal

What are you inspecting: Pavements

Ch From (km): 0.1

Ch To (km): 0.3

Road Type: Sealed - spray seal

Section Width (m): 7.2

Road Condition: 3 - Good

General Comment:

### Road Defects Section

<table>
<thead>
<tr>
<th>Defect Type</th>
<th>Defect QTY</th>
<th>Defect Condition</th>
<th>Defect Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bleeding</td>
<td>20</td>
<td>3 - Good</td>
<td>20% of road</td>
</tr>
<tr>
<td>General Appearance</td>
<td>3</td>
<td>2 - Poor</td>
<td>Graffiti</td>
</tr>
</tbody>
</table>

### Kerbs Section

<table>
<thead>
<tr>
<th>Kerb Type</th>
<th>Kerb Cond</th>
<th>Kerb Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerb and Gutter</td>
<td>3 - Good</td>
<td>Gutters filled with dirt in some sections</td>
</tr>
</tbody>
</table>

### Shoulders Section

### Linemarking Section

### Obstruction Section
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 2:11:13 PM
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**  1/12/2016 2:11:13 PM
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date**: 1/12/2016 2:36:44 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **Road Name**: Wuppa Town Camp Internal
- **What are you inspecting**: Pavements
- **Ch From (km)**: 0.3
- **Ch To (km)**: 0.4
- **Road Type**: Sealed - spray seal
- **Section Width (m)**: 7.2
- **Road Condition**: 3 - Good

**General Comment**:

**Road Defects Section**

**Kerbs Section**

<table>
<thead>
<tr>
<th>Kerb Type</th>
<th>Kerb Cond</th>
<th>Kerb Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerb and Gutter</td>
<td>3 - Good</td>
<td>Filled with dirt in some sections</td>
</tr>
</tbody>
</table>

**Shoulders Section**

**Linemarking Section**

**Obstruction Section**
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016  2:36:44 PM
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**   1/12/2016 2:36:44 PM
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 2:58:14 PM

Insp ID: 1590 Group 3 - Tennant Creek, Elliott Wuppa

Road Name: Wuppa Town Camp Internal
What are you inspecting: Pavements
Ch From (km): 0.55
Ch To (km): 0.68
Road Type: Sealed - spray seal
Section Width (m): 7.2
Road Condition: 3 - Good

General Comment:

Road Defects Section
Defect Type | Defect QTY | Defect Condition | Defect Comments
--- | --- | --- | ---
Stone Loss | 10 | 3 - Good | 10% of road
Bleeding | 20 | 3 - Good | 20% of road

Kerbs Section
Kerb Type
Kerb Cond | Kerb Comments
--- | --- | ---
Kerb and Gutter | 3 - Good | Gutters have some dirt

Shoulders Section

Linemarking Section

Obstruction Section
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 2:58:14 PM
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 2:58:14 PM
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**  1/12/2016 2:46:58 PM

| Insp ID: 1596 | Group 3 - Tennant Creek, Elliot | Wuppa |

**Road Name:** Wuppa Town Camp Internal

**What are you inspecting:** Pavements

**Ch From (km):** 0.4

**Ch To (km):** 0.55

**Road Type:** Sealed - spray seal

**Section Width (m):** 7.2

**Road Condition:** 3 - Good

**General Comment:**

**Road Defects Section**

<table>
<thead>
<tr>
<th>Defect Type</th>
<th>Defect QTY</th>
<th>Defect Condition</th>
<th>Defect Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bleeding</td>
<td>20</td>
<td>3 - Good</td>
<td>20% of road</td>
</tr>
<tr>
<td>Stone Loss</td>
<td>20</td>
<td>3 - Good</td>
<td>20% of road has stone loss</td>
</tr>
</tbody>
</table>

**Kerbs Section**

<table>
<thead>
<tr>
<th>Kerb Type</th>
<th>Kerb Cond</th>
<th>Kerb Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerb and Gutter</td>
<td>3 - Good</td>
<td>Gutters full of dirt</td>
</tr>
</tbody>
</table>

**Shoulders Section**

**Linemarking Section**

**Obstruction Section**
Northern Territory Town Camps
Civil Infrastructure

Inspection Date  1/12/2016 2:46:58 PM
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 2:46:58 PM
### Northern Territory Town Camps

#### Civil Infrastructure

**Inspection Date**: 1/12/2016 3:35:59 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Road Name: | 684_2                      |
| What are you inspecting: | Pavements                |
| Ch From (km): | 0.15                      |
| Ch To (km): | 0.3                       |
| Road Type: | Sealed - spray seal        |
| Section Width (m): | 7.2                       |
| Road Condition: | 3 - Good                  |

**General Comment:**

**Road Defects Section**

<table>
<thead>
<tr>
<th>Defect Type</th>
<th>Defect QTY</th>
<th>Defect Condition</th>
<th>Defect Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Appearance</td>
<td></td>
<td>3 - Good</td>
<td>Loose stones, dirt in gutters</td>
</tr>
</tbody>
</table>

**Kerbs Section**

**Shoulders Section**

**Linemarking Section**

**Obstruction Section**
Northern Territory Town Camps
Civil Infrastructure

Inspection Date 1/12/2016 3:35:59 PM
## Northern Territory Town Camps

### Civil Infrastructure

**Insp ID:** 1610  
**Group 3 - Tennant Creek, Elliott**  
**Wuppa**

<table>
<thead>
<tr>
<th>Road Name:</th>
<th>684_2</th>
</tr>
</thead>
<tbody>
<tr>
<td>What are you inspecting:</td>
<td>Pavements</td>
</tr>
<tr>
<td>Ch From (km):</td>
<td>0</td>
</tr>
<tr>
<td>Ch To (km):</td>
<td>0.15</td>
</tr>
<tr>
<td>Road Type:</td>
<td>Sealed - spray seal</td>
</tr>
<tr>
<td>Section Width (m):</td>
<td>7.2</td>
</tr>
<tr>
<td>Road Condition:</td>
<td>3 - Good</td>
</tr>
</tbody>
</table>

### Road Defects Section

<table>
<thead>
<tr>
<th>Defect Type</th>
<th>Defect QTY</th>
<th>Defect Condition</th>
<th>Defect Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Appearance</td>
<td>3 - Good</td>
<td>Graffiti, loose stones, dirt in gutters</td>
<td></td>
</tr>
</tbody>
</table>

### Kerbs Section

<table>
<thead>
<tr>
<th>Kerb Type</th>
<th>Kerb Cond</th>
<th>Kerb Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerb and Gutter</td>
<td>3 - Good</td>
<td>Dirt in gutters</td>
</tr>
</tbody>
</table>

### Shoulders Section

### Linemarking Section

### Obstruction Section
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 1/12/2016 3:27:02 PM
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 1/12/2016 3:27:02 PM
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**  1/12/2016 2:04:37 PM

<table>
<thead>
<tr>
<th>Insp ID: 1557</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

Stormwater Infrastructure: SEP

Number of Bays: 2

On grade or sag pit:

Both sides of road: Right

Condition: 3 - Good

Blockage (%): 10

Comment:

[Image of Stormwater Infrastructure]
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 1/12/2016 1:59:55 PM

<table>
<thead>
<tr>
<th>Insp ID: 1559</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

Stormwater Infrastructure: SEP

Number of Bays: 2

On grade or sag pit:

Both sides of road: Left

Condition: 4 - Very Good

Blockage (%): 0

Comment:

Image found and displayed.
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date** 1/12/2016 1:53:52 PM

<table>
<thead>
<tr>
<th>Insp ID: 1562</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **Stormwater Infrastructure:** SEP
- **Number of Bays:** 2
- **On grade or sag pit:** Both
- **Both sides of road:** Both
- **Condition:** 3 - Good
- **Blockage (%):** 10
- **Comment:**

---

[Images of stormwater infrastructure]
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date**  1/12/2016 2:15:14 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>1564</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**Stormwater Infrastructure:** SEP

**Number of Bays:** 2

**On grade or sag pit:**

**Both sides of road:** Right

**Condition:** 3 - Good

**Blockage (%):** 20

**Comment:**

---

[P:GIS\Projects\253963_NT Image found and displayed.](image-url)
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date** 1/12/2016 2:14:39 PM

<table>
<thead>
<tr>
<th>Insp ID: 1565</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **Stormwater Infrastructure:** SEP
- **Number of Bays:** 2
- **On grade or sag pit:** Both sides of road: Left
- **Condition:** 2 - Poor
- **Blockage (%):** 10
- **Comment:** Image found and displayed.
### Stormwater Infrastructure Details

- **Group:** Group 3 - Tennant Creek, Elliott
- **Wuppa**
- **Insp ID:** 1567

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stormwater Infrastructure</td>
<td>SEP</td>
</tr>
<tr>
<td>Number of Bays</td>
<td>2</td>
</tr>
<tr>
<td>On grade or sag pit</td>
<td>Right</td>
</tr>
<tr>
<td>Both sides of road</td>
<td>Right</td>
</tr>
<tr>
<td>Condition</td>
<td>4 - Very Good</td>
</tr>
<tr>
<td>Blockage (%)</td>
<td>0</td>
</tr>
</tbody>
</table>

**Comment:** Image found and displayed.
**Northern Territory Town Camps**

**Civil Infrastructure**

**Inspection Date** 1/12/2016 2:27:52 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1571</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Stormwater Infrastructure: SEP  
Number of Bays: 2  
On grade or sag pit:  
Both sides of road: Right  
Condition: 2 - Poor  
Blockage (%): 10  
Comment: Broken concrete
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 1/12/2016 2:26:58 PM

<table>
<thead>
<tr>
<th>Insp ID: 1572</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stormwater Infrastructure:</td>
<td>SEP</td>
<td></td>
</tr>
<tr>
<td>Number of Bays:</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>On grade or sag pit:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Both sides of road:</td>
<td>Left</td>
<td></td>
</tr>
<tr>
<td>Condition:</td>
<td>4 - Very Good</td>
<td></td>
</tr>
<tr>
<td>Blockage (%):</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Comment:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date**  1/12/2016 2:18:53 PM

<table>
<thead>
<tr>
<th>Insp ID: 1576</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Stormwater Infrastructure:</th>
<th>SEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Bays:</td>
<td>2</td>
</tr>
<tr>
<td>On grade or sag pit:</td>
<td></td>
</tr>
<tr>
<td>Both sides of road:</td>
<td>Both</td>
</tr>
<tr>
<td>Condition:</td>
<td>3 - Good</td>
</tr>
<tr>
<td>Blockage (%):</td>
<td>20</td>
</tr>
<tr>
<td>Comment:</td>
<td></td>
</tr>
</tbody>
</table>
## Stormwater Infrastructure: SEP

### Number of Bays:
- **2**

### On grade or sag pit:
- **Both sides of road:** Both

### Condition:
- **3 - Good**

### Blockage (%):
- **10**

### Comment:

**Image: P:\GIS\Projects\253963_NT\Image found and displayed.**
### Stormwater Infrastructure

<table>
<thead>
<tr>
<th>Stormwater Infrastructure:</th>
<th>SEP</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Number of Bays:</th>
<th>2</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>On grade or sag pit:</th>
<th>Both</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Both sides of road:</th>
<th>Both</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Condition:</th>
<th>3 - Good</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Blockage (%):</th>
<th>10</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Comment:</th>
</tr>
</thead>
</table>
# Northern Territory Town Camps

## Civil Infrastructure

**Inspection Date**  1/12/2016 2:54:01 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>1594</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **Stormwater Infrastructure:** SEP
- **Number of Bays:** 2
- **On grade or sag pit:** Both
- **Both sides of road:** Both
- **Condition:** 4 - Very Good
- **Blockage (%):** 0
- **Comment:**

![Image of Stormwater Infrastructure](image1.png)  
![Image of Stormwater Infrastructure](image2.png)
# Northern Territory Town Camps

## Civil Infrastructure

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1598</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Stormwater Infrastructure:** SEP  
**Number of Bays:** 2  
**On grade or sag pit:** Both  
**Both sides of road:** Both  
**Condition:** 3 - Good  
**Blockage (%):** 10  
**Comment:** Image 1 left, image 2 right
## Stormwater Infrastructure: SEP

### Number of Bays:
- 2

### On grade or sag pit:
- Both sides of road: Both

### Condition:
- 3 - Good

### Blockage (%):
- 10

### Comment:
- P:\GIS\Projects\253963_NT Image found and displayed.
- P:\GIS\Projects\253963_NT Image found and displayed.

---

### Additional Notes:
- **Insp ID:** 1601
- **Group 3 - Tennant Creek, Elliott**
- **Wuppa**

---

### Images:

![Image 1](image1.png)

![Image 2](image2.png)
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 1/12/2016 3:30:05 PM

<table>
<thead>
<tr>
<th>Insp ID: 1609</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

Stormwater Infrastructure: SEP

Number of Bays: 2

On grade or sag pit: Both

Both sides of road: Both

Condition: 3 - Good

Blockage (%): 10

Comment: P:\GIS\Projects\253963_NT Image found and displayed. P:\GIS\Projects\253963_NT Image found and displayed.
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date** 1/12/2016 3:17:59 PM

<table>
<thead>
<tr>
<th>Insp ID: 1611</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **Stormwater Infrastructure:** SEP
- **Number of Bays:** 2
- **On grade or sag pit:**
- **Both sides of road:** Right
- **Condition:** 3 - Good
- **Blockage (%):** 60
- **Comment:** Graffiti
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 3:18:16 PM

Insp ID:  1613  Group 3 - Tennant Creek, Elliott  Wuppa

Stormwater Infrastructure:  SEP
Number of Bays:  2
On grade or sag pit:
Both sides of road:  Left
Condition:  3 - Good
Blockage (%):  10
Comment:

Image found and displayed.
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**  1/12/2016 3:14:46 PM

<table>
<thead>
<tr>
<th>Insp ID: 1615</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **Stormwater Infrastructure:** SEP
- **Number of Bays:** 2
- **On grade or sag pit:** Both
- **Both sides of road:** Both
- **Condition:** 3 - Good
- **Blockage (%):** 0
- **Comment:** 

P:\GIS\Projects\253963_NT

Image found and displayed.
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**: 1/12/2016 2:09:40 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group</th>
<th>Road Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1553</td>
<td>Group 3 - Tennant Creek, Elliott</td>
<td>Wuppa Town Camp Internal</td>
</tr>
</tbody>
</table>

**What are you inspecting**: Signs

**Type of Sign**: Street name

**Sign Condition**: 1 - Very Poor

**Sign Comment**: No sign

**General Comment**: P:\GIS\Projects\253963_NT Image found and displayed.
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 1/12/2016 2:06:50 PM

Insp ID: 1555  Group 3 - Tennant Creek, Elliott  Wuppa

Road Name: 684_2
What are you inspecting: Signs
Type of Sign: Give Way
Sign Condition: 3 - Good
Sign Comment:
General Comment:

![Give Way Sign](image_url)
Civil Infrastructure

**Northern Territory Town Camps**

**Inspection Date** 1/12/2016 2:05:55 PM

<table>
<thead>
<tr>
<th>Insp ID: 1556</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**Road Name:** Wuppa Town Camp Internal

**What are you inspecting:** Signs

**Type of Sign:** Street name

**Sign Condition:** 1 - Very Poor

**Sign Comment:** No sign

**General Comment:**

![Image found and displayed.](image-url)
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**  1/12/2016 2:24:11 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1573</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Road Name:** 684_2
- **What are you inspecting:** Signs
- **Type of Sign:** Give Way
- **Sign Condition:** 3 - Good
- **Sign Comment:**
- **General Comment:**

![Image of a give way sign](image.png)
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date** 1/12/2016 2:22:18 PM

<table>
<thead>
<tr>
<th>Insp ID: 1574</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **Road Name:** 684_2
- **What are you inspecting:** Signs
- **Type of Sign:** Street name
- **Sign Condition:** 1 - Very Poor
- **Sign Comment:** No sign
- **General Comment:**

[Image found and displayed.]
<table>
<thead>
<tr>
<th><strong>Inspection Date</strong></th>
<th>1/12/2016 3:11:34 PM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Insp ID:</strong></td>
<td>1582</td>
</tr>
<tr>
<td><strong>Group 3 - Tennant Creek, Elliott</strong></td>
<td>Wuppa</td>
</tr>
</tbody>
</table>

**Road Name:** Wuppa Town Camp Internal  
**What are you inspecting:** Signs  
**Type of Sign:** Give Way  
**Sign Condition:** 2 - Poor  
**Sign Comment:** Graffiti  
**General Comment:**

![Image of sign](Image)
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date** 1/12/2016 3:39:17 PM

<table>
<thead>
<tr>
<th>Insp ID: 1600</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **Road Name:** 684_2
- **What are you inspecting:** Signs
- **Type of Sign:** Give Way
- **Sign Condition:** 3 - Good
- **Sign Comment:** Paint chipping
- **General Comment:**

![Image of Give Way sign](image_url)
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date:** 1/12/2016 2:07:49 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1554</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**What Water Asset Are you Capturing:** Water Meter

- **Water Meter Type:** Lot
- **Bulk Water Meter Size (mm):**
- **Bulk Water Meter Condition:**
- **Bulk Water Meter Comment:**
- **Lot Number:**
- **Lot Water Meter Size:** 25
- **Lot Water Meter Condition:** 3 - Good
- **Lot Water Meter Comment:** Two meters in one lot
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 2:15:57 PM

Insp ID:  1563  Group 3 - Tennant Creek, Elliott  Wuppa

What Water Asset Are you Capturing:  Water Meter

Water Meter Type:  Lot

Bulk Water Meter Size (mm):

Bulk Water Meter Condition:

Bulk Water Meter Comment:

Lot Number:

Lot Water Meter Size:  25

Lot Water Meter Condition:  3 - Good

Lot Water Meter Comment:

[Image of a water meter on the ground]
### Civil Infrastructure

**Northern Territory Town Camps**

**Inspection Date**: 1/12/2016 2:29:44 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1569</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**What Water Asset Are you Capturing**: Water Meter

- **Water Meter Type**: Lot
- **Bulk Water Meter Size (mm)**: Lot
- **Bulk Water Meter Condition**: Lot
- **Bulk Water Meter Comment**: Lot

- **Lot Number**: Lot
- **Lot Water Meter Size**: 25
- **Lot Water Meter Condition**: 3 - Good
- **Lot Water Meter Comment**: Lot
Northern Territory Town Camps

Civil Infrastructure

**Inspection Date**: 1/12/2016 2:37:00 PM

| Insp ID: 1578 | Group 3 - Tennant Creek, Elliott | Wuppa |

**What Water Asset Are you Capturing**: Water Meter

**Water Meter Type**: Lot

**Bulk Water Meter Size (mm)**: 25

**Bulk Water Meter Condition**: 3 - Good

**Lot Number**:

**Lot Water Meter Size**: 25

**Lot Water Meter Condition**: 3 - Good

**Lot Water Meter Comment**:

![Water Meter Image](P:\GIS\Projects\253963_NT\Image found and displayed.1570)
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 2:36:10 PM

Insp ID:  1579  Group 3 - Tennant Creek, Elliott  Wuppa

What Water Asset Are you Capturing:  Water Meter

Water Meter Type:  Lot

Bulk Water Meter Size (mm):  

Bulk Water Meter Condition:  

Bulk Water Meter Comment:  

Lot Number:

Lot Water Meter Size:  25

Lot Water Meter Condition:  4 - Very Good

Lot Water Meter Comment:
**Civil Infrastructure**

**Inspection Date**  
1/12/2016 3:03:16 PM

<table>
<thead>
<tr>
<th>Insp ID: 1587</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Water Asset Are you Capturing:** Water Meter

- **Water Meter Type:** Lot
- **Bulk Water Meter Size (mm):**
- **Bulk Water Meter Condition:**
- **Bulk Water Meter Comment:**
- **Lot Number:**
- **Lot Water Meter Size:** 25
- **Lot Water Meter Condition:** 4 - Very Good
- **Lot Water Meter Comment:**
<table>
<thead>
<tr>
<th>Insp ID: 1592</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Water Asset Are you Capturing:** Water Meter

Water Meter Type: Lot

Bulk Water Meter Size (mm):

Bulk Water Meter Condition:

Bulk Water Meter Comment:

Lot Number:

Lot Water Meter Size: 25

Lot Water Meter Condition: 3 - Good

Lot Water Meter Comment:
## Northern Territory Town Camps

### Civil Infrastructure

**Inspection Date** 1/12/2016 3:32:58 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1606</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**What Water Asset Are you Capturing:** Water Meter

**Water Meter Type:** Lot

**Bulk Water Meter Size (mm):**

**Bulk Water Meter Condition:**

**Bulk Water Meter Comment:**

**Lot Number:**

**Lot Water Meter Size:** 25

**Lot Water Meter Condition:** 3 - Good

**Lot Water Meter Comment:**

---

![Image of a water meter installation](image.png)
Northern Territory Town Camps

Civil Infrastructure

Inspection Date  1/12/2016 3:16:54 PM

Insp ID:  1614  Group 3 - Tennant Creek, Elliott  Wuppa

What Water Asset Are you Capturing:  Water Meter

Water Meter Type:  Lot

Bulk Water Meter Size (mm):

Bulk Water Meter Condition:

Bulk Water Meter Comment:

Lot Number:

Lot Water Meter Size:  25

Lot Water Meter Condition:  3 - Good

Lot Water Meter Comment:

[Image found and displayed.]
Electrical inspection reports
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**: 1/12/2016 4:00:43 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>840</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 3 - Tennant Creek, Elliott</td>
<td>Wuppa</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>What Comms Category are you capturing:</td>
<td>Distribution</td>
</tr>
<tr>
<td>What is distribution method to households:</td>
<td>Underground</td>
</tr>
<tr>
<td>Is it Shared with PWC:</td>
<td>No</td>
</tr>
<tr>
<td>Is there Anti-climb barrier provided for this pole:</td>
<td></td>
</tr>
<tr>
<td>What is Pole construction type:</td>
<td></td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>No</td>
</tr>
<tr>
<td>Is there concrete collar around the base of pole:</td>
<td>Yes</td>
</tr>
<tr>
<td>What is the condition of tap off to house:</td>
<td></td>
</tr>
<tr>
<td>What is the condition of pole:</td>
<td></td>
</tr>
<tr>
<td>How many Lots are connected to this pole:</td>
<td></td>
</tr>
<tr>
<td>Is there access to Pits to take a photo:</td>
<td>No</td>
</tr>
<tr>
<td>What is Pit Condition:</td>
<td>2</td>
</tr>
</tbody>
</table>

**Underground Comments:**

---

*Image found and displayed.*
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date** 1/12/2016 3:37:21 PM

<table>
<thead>
<tr>
<th>Insp ID: 848</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Comms Category are you capturing:** Distribution

**What is distribution method to households:** Underground

**Is it Shared with PWC:**

**Is there Anti-climb barrier provided for this pole:**

**What is Pole construction type:**

**Is street light fitted:**

**Is there concrete collar around the base of pole:**

**What is the condition of tap off to house:**

**What is the condition of pole:**

**How many Lots are connected to this pole:**

**Is there access to Pits to take a photo:** No

**What is Pit Condition:** 3

**Underground Comments:**

![Image 1](P:\GIS\Projects\253963_NT)

![Image 2](P:\GIS\Projects\253963_NT)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:30:33 PM

Insp ID:  850  Group 3 - Tennant Creek, Elliott  Wuppa

What Comms Category are you capturing:  Distribution
What is distribution method to households:  Underground

Is it Shared with PWC:
Is there Anti-climb barrier provided for this pole:
What is Pole construction type:
Is street light fitted:
Is there concrete collar around the base of pole:
What is the condition of tap off to house:
What is the condition of pole:
How many Lots are connected to this pole:

Is there access to Pits to take a photo:  No
What is Pit Condition:  3

Underground Comments:

![Image 1](image1.png)

![Image 2](image2.png)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:42:13 PM

Insp ID:  865
Group 3 - Tennant Creek, Elliott
Wuppa

What Comms Category are you capturing: Distribution
What is distribution method to households: Underground

Is it Shared with PWC:

Is there Anti-climb barrier provided for this pole:

What is Pole construction type:

Is street light fitted:

Is there concrete collar around the base of pole:

What is the condition of tap off to house:

What is the condition of pole:

How many Lots are connected to this pole:

Is there access to Pits to take a photo: No
What is Pit Condition: 3

Underground Comments:
<table>
<thead>
<tr>
<th>What Comms Category are you capturing:</th>
<th>Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is distribution method to households:</td>
<td>Underground</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Is it Shared with PWC:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Is there Anti-climb barrier provided for this pole:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>What is Pole construction type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Is street light fitted:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Is there concrete collar around the base of pole:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>What is the condition of tap off to house:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>What is the condition of pole:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How many Lots are connected to this pole:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Is there access to Pits to take a photo:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>What is Pit Condition:</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Underground Comments:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image found and displayed.</td>
</tr>
</tbody>
</table>
## Electrical Infrastructure

**Northern Territory Town Camps**

**Inspection Date**  1/12/2016 2:25:43 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>872</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>What Comms Category are you capturing:</strong></td>
<td>Distribution</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>What is distribution method to households:</strong></td>
<td>Underground</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is it Shared with PWC:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there Anti-climb barrier provided for this pole:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>What is Pole construction type:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there concrete collar around the base of pole:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>What is the condition of tap off to house:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>What is the condition of pole:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How many Lots are connected to this pole:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is there access to Pits to take a photo:</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>What is Pit Condition:</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Underground Comments:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Northern Territory Town Camps

## Communications Infrastructure

**Inspection Date** 1/12/2016 3:29:49 PM

<table>
<thead>
<tr>
<th>Insp ID: 851</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **What Comms Category are you capturing:** General
- **Telstra Comms Drawing Available:** No
- **Facility upgrade not in drawings:** No
- **Which telecoms carriers are present in the town camp:**
- **How many Communications Pit(s) are allocated in this town camp:**
## Northern Territory Town Camps

### Communications Infrastructure

**Inspection Date**: 1/12/2016 2:26:22 PM

<table>
<thead>
<tr>
<th>Insp ID: 871</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Comms Category are you capturing:** General

**Telstra Comms Drawing Available:** No

**Facility upgrade not in drawings:** No

**Which telecoms carriers are present in the town camp:**

**How many Communications Pit(s) are allocated in this town camp:**

![Communication Pit 1](image1)

![Communication Pit 2](image2)
# Electrical Infrastructure

## Northern Territory Town Camps

**Inspection Date**: 6/12/2016 3:41:43 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing**: Electrical Meters

- **Meter Type**: Prepaid
- **Meter Switchboard Cond**: 3
- **Meter Condition**: 3
- **Meter Comment**: Indoor SB, Cond 3

**Comments:**
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date** 6/12/2016 3:57:30 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>3556</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What Category are you capturing: **Electrical Meters**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meter Type</td>
<td>Prepaid</td>
</tr>
<tr>
<td>Meter Switchboard Cond:</td>
<td>3</td>
</tr>
<tr>
<td>Meter Condition:</td>
<td>3</td>
</tr>
<tr>
<td>Meter Comment:</td>
<td>Indoor SB, Cond 3</td>
</tr>
</tbody>
</table>

Comments:
What Category are you capturing: Electrical Meters

Meter Type: Prepaid

Meter Switchboard Cond: 3

Meter Condition: 3

Meter Comment: Indoor SB, Cond 3

Comments:
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  9/01/2017 1:34:31 PM

<table>
<thead>
<tr>
<th>Insp ID: 3571</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

What Category are you capturing:  Electrical Meters

- **Meter Type:** Prepaid
- **Meter Switchboard Cond:** 3
- **Meter Condition:** 3
- **Meter Comment:** Indoor SB, Cond 3

Comments:
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**  9/01/2017 1:17:15 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>3572</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What Category are you capturing: **Electrical Meters**

- **Meter Type:** Prepaid
- **Meter Switchboard Cond:** 3
- **Meter Condition:** 3
- **Meter Comment:** Indoor SB, Cond 3

**Comments:**

![Image 1](P:\GIS\Projects\253963_NT)

![Image 2](P:\GIS\Projects\253963_NT)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  9/01/2017 1:02:48 PM

Insp ID: 3573  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing: Electrical Meters

Meter Type: Prepaid

Meter Switchboard Cond: 3

Meter Condition: 3

Meter Comment: Indoor SB, Cond 3

Comments:
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**: 9/01/2017 12:53:02 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>3574</td>
<td>Group 3 - Tennant Creek, Elliott</td>
<td></td>
</tr>
</tbody>
</table>

What Category are you capturing: Electrical Meters

- **Meter Type**: Prepaid
- **Meter Switchboard Cond**: 3
- **Meter Condition**: 3
- **Meter Comment**: Indoor SB, Cond 3

Comments:
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date** 9/01/2017 1:43:40 PM

**Insp ID:** 3577   **Group 3 - Tennant Creek, Elliott**   **Wuppa**

What Category are you capturing: Electrical Meters

**Meter Type:** Prepaid

**Meter Switchboard Cond:** 3

**Meter Condition:** 3

**Meter Comment:** Indoor SB, Cond 3

Comments:
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**  9/01/2017 12:56:57 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

What Category are you capturing: **Electrical Meters**

- **Meter Type:** Prepaid
- **Meter Switchboard Cond:** 3
- **Meter Condition:** 3
- **Meter Comment:** Indoor SB, Cond 3

**Comments:**
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 10/01/2017 9:33:29 AM

Insp ID: 3582 Group 3 - Tennant Creek, Elliott Wuppa

What Category are you capturing: Electrical Meters

Meter Type: Prepaid
Meter Switchboard Cond: 3
Meter Condition: 3
Meter Comment: Indoor SB, Cond 3

Comments:
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**: 1/12/2016 4:31:46 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>What Category are you capturing</th>
<th>Overhead Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is Pole Material type</td>
<td>Welded</td>
</tr>
<tr>
<td>What is the condition of pole</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Street Light Power Supply**

<table>
<thead>
<tr>
<th>Street Light Type</th>
<th>S70D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td>1596</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>What is the type of service</th>
<th>Three</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the HV voltage level</td>
<td>400</td>
</tr>
<tr>
<td>What is the arrangement of connected cables</td>
<td>Twisted</td>
</tr>
<tr>
<td>Are there isolators on the pole</td>
<td>No</td>
</tr>
<tr>
<td>What is the Condition</td>
<td>3</td>
</tr>
<tr>
<td>How many Lots are connected to this pole</td>
<td>0</td>
</tr>
</tbody>
</table>

**Overhead Pole Comments**: Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 4:31:46 PM
## Overhead Poles

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>What Category are you capturing:</td>
<td>Overhead Poles</td>
</tr>
<tr>
<td>What is Pole Material type:</td>
<td>Welded</td>
</tr>
<tr>
<td>What is the condition of pole:</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted:</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant:</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Street Light Power Supply:

<table>
<thead>
<tr>
<th>Street Light Type</th>
<th>S70D 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td>1598</td>
</tr>
</tbody>
</table>

| What is the type of service: | Three                      |
| What is the HV voltage level: | 400                        |
| What is the arrangement of connected cables: | Twisted                    |
| Are there isolators on the pole: | No                         |
| What is the Condition:      | 3                           |
| How many Lots are connected to this pole: | 0                          |

**Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 4:27:50 PM
<table>
<thead>
<tr>
<th>What Category are you capturing:</th>
<th>Overhead Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is Pole Material type:</td>
<td>Welded</td>
</tr>
<tr>
<td>What is the condition of pole:</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted:</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant:</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
<tr>
<td>Street Light Power Supply:</td>
<td></td>
</tr>
<tr>
<td>Street Light Type</td>
<td>S70D 10</td>
</tr>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td></td>
</tr>
<tr>
<td>What is the type of service:</td>
<td>Three</td>
</tr>
<tr>
<td>What is the HV voltage level:</td>
<td>400</td>
</tr>
<tr>
<td>What is the arrangement of connected cables:</td>
<td>Twisted</td>
</tr>
<tr>
<td>Are there isolators on the pole:</td>
<td>No</td>
</tr>
<tr>
<td>What is the Condition:</td>
<td>3</td>
</tr>
<tr>
<td>How many Lots are connected to this pole:</td>
<td>0</td>
</tr>
<tr>
<td>Overhead Pole Comments:</td>
<td>Surface rusted</td>
</tr>
</tbody>
</table>
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 4:21:54 PM
### Electrical Infrastructure

**Northern Territory Town Camps**

**Inspection Date** 1/12/2016 4:19:30 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** S70D 05
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height:** 1602

- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 0
- **Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 4:19:30 PM
## Electrical Infrastructure

### Northern Territory Town Camps

**Inspection Date**  
1/12/2016 4:17:17 PM

<table>
<thead>
<tr>
<th>Insp ID: 836</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

### What Category are you capturing:
Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

### Street Light Power Supply:

- **Street Light Type:** S70D 09
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height:** 1604

### What is the type of service:
Three

- **What is the HV voltage level:** 400

- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 0

- **Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 4:17:17 PM
## Electrical Infrastructure

### Northern Territory Town Camps

**Inspection Date**: 1/12/2016 4:14:43 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>837</td>
<td>3 - Tennant Creek, Elliott</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>What Category are you capturing:</th>
<th>Overhead Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is Pole Material type:</td>
<td>Welded</td>
</tr>
<tr>
<td>What is the condition of pole:</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted:</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant:</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Street Light Power Supply**

- **Street Light Type**: S70D 11
- **Street Light Watts**
- **Street Light Condition**: 2
- **Street Light Height**: 16.06 m

<table>
<thead>
<tr>
<th>What is the type of service:</th>
<th>Three</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the HV voltage level:</td>
<td>400</td>
</tr>
<tr>
<td>What is the arrangement of connected cables:</td>
<td>Twisted</td>
</tr>
<tr>
<td>Are there isolators on the pole:</td>
<td>No</td>
</tr>
<tr>
<td>What is the Condition:</td>
<td>3</td>
</tr>
<tr>
<td>How many Lots are connected to this pole:</td>
<td>0</td>
</tr>
</tbody>
</table>

**Overhead Pole Comments**: Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 4:14:43 PM
## Electrical Infrastructure

### Northern Territory Town Camps

#### Inspection Date
1/12/2016 4:10:43 PM

<table>
<thead>
<tr>
<th>Insp ID: 838</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **What Category are you capturing:** Overhead Poles
- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**
- **Street Light Type:** M125D 10
- **Street Light Watts**
- **Street Light Condition:** 3
- **Street Light Height:** 1608

- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 1

**Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 4:10:43 PM
## Electrical Infrastructure

### Northern Territory Town Camps

**Inspection Date** 1/12/2016 4:07:45 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>839</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** M125D 10
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height:** 1610

- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 1

**Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 4:07:45 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**: 1/12/2016 3:59:38 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** M125D 10
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height:** 1612

- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 1

**Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:59:38 PM
**Northern Territory Town Camps**

**Electrical Infrastructure**

**Inspection Date**  1/12/2016 3:56:49 PM

<table>
<thead>
<tr>
<th>Insp ID: 842</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

**What is Pole Material type:** Welded

**What is the condition of pole:** 3

**How is the pole planted:** Concrete

**What is the Condition of plant:** 3

**Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** S70D 14
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height:** 1614

**What is the type of service:** Three

**What is the HV voltage level:** 400

**What is the arrangement of connected cables:** Twisted

**Are there isolators on the pole:** No

**What is the Condition:** 3

**How many Lots are connected to this pole:** 0

**Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date: 1/12/2016 3:56:49 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date** 1/12/2016 3:54:04 PM

<table>
<thead>
<tr>
<th>Insp ID: 843</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** S70D 13
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height**

- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 1

**Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:54:04 PM
Northern Territory Town Camps

Electrical Infrastructure

Insp ID: 844
Group 3 - Tennant Creek, Elliott
Wuppa

What Category are you capturing: Overhead Poles

What is Pole Material type: Welded
What is the condition of pole: 3
How is the pole planted: Concrete
What is the Condition of plant: 3
Is street light fitted: Yes

Street Light Power Supply:
Street Light Type: S70D 13
Street Light Watts
Street Light Condition: 2
Street Light Height
What is the type of service: Three
What is the HV voltage level: 400
What is the arrangement of connected cables: Twisted
Are there isolators on the pole: No
What is the Condition: 3
How many Lots are connected to this pole: 0
Overhead Pole Comments: Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:51:49 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**: 1/12/2016 3:49:17 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing**: Overhead Poles

- **What is Pole Material type**: Welded
- **What is the condition of pole**: 3
- **How is the pole planted**: Concrete
- **What is the Condition of plant**: 3
- **Is street light fitted**: Yes

**Street Light Power Supply**

- **Street Light Type**: S70D 15
- **Street Light Watts**: 15
- **Street Light Condition**: 2
- **Street Light Height**: 1620

- **What is the type of service**: Three
- **What is the HV voltage level**: 400
- **What is the arrangement of connected cables**: Twisted
- **Are there isolators on the pole**: No
- **What is the Condition**: 3
- **How many Lots are connected to this pole**: 0

**Overhead Pole Comments**: Surface rusted
Northern Territory Town Camps
Electrical Infrastructure

Inspection Date  1/12/2016 3:49:17 PM
## Northern Territory Town Camps

### Electrical Infrastructure

#### Inspection Date
1/12/2016 3:47:00 PM

<table>
<thead>
<tr>
<th>Insp ID: 846</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **What Category are you capturing:** Overhead Poles
- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes
- **Street Light Power Supply:**
  - **Street Light Type:** S70D 15
  - **Street Light Watts:**
  - **Street Light Condition:** 2
  - **Street Light Height:** 1622
- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:**
- **Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:47:00 PM
## Northern Territory Town Camps
### Electrical Infrastructure

**Inspection Date** 1/12/2016 3:40:12 PM

<table>
<thead>
<tr>
<th>Insp ID: 847</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **What Category are you capturing:** Overhead Poles
- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**
- **Street Light Type:** S70D 13
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height:** 1624

- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 0
- **Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:40:12 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:36:33 PM

Insp ID:  849  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing: Overhead Poles

What is Pole Material type:  Welded
What is the condition of pole:  3
How is the pole planted:  Concrete
What is the Condition of plant:  
Is street light fitted:  Yes
Street Light Power Supply:
Street Light Type:  S70D 12
Street Light Watts:
Street Light Condition:  3
Street Light Height:
What is the type of service:  Three
What is the HV voltage level:  400
What is the arrangement of connected cables:  Twisted
Are there isolators on the pole:  No
What is the Condition:  3
How many Lots are connected to this pole:  1
Overhead Pole Comments:  Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:36:33 PM
### Electrical Infrastructure

**Northern Territory Town Camps**

**Inspection Date**  1/12/2016 3:28:54 PM

<table>
<thead>
<tr>
<th>Insp ID: 852</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** S70D 11
- **Street Light Watts**
- **Street Light Condition:** 3
- **Street Light Height:** 1628

- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 0

**Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:28:54 PM
### Northern Territory Town Camps

#### Electrical Infrastructure

**Inspection Date** 1/12/2016 3:26:49 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** M125D 10
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height:** 1630

- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 1
- **Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:26:49 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**  
1/12/2016 3:21:30 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>855</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** S70D 14
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height:** 1632

How is the type of service: Three

**What is the HV voltage level:** 400

**What is the arrangement of connected cables:** Twisted

**Are there isolators on the pole:** No

**What is the Condition:** 3

**How many Lots are connected to this pole:**

**Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:21:30 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date** 1/12/2016 3:17:22 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>856</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes
- **Street Light Power Supply:**
  - **Street Light Type:** M125D 10
  - **Street Light Watts**
  - **Street Light Condition:** 2
  - **Street Light Height**
  - **What is the type of service:** Three
  - **What is the HV voltage level:** 400
  - **What is the arrangement of connected cables:** Twisted
  - **Are there isolators on the pole:** No
  - **What is the Condition:** 3
  - **How many Lots are connected to this pole:** 0
  - **Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:17:22 PM

[Images of electrical infrastructure]
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**  
1/12/2016 3:15:04 PM

<table>
<thead>
<tr>
<th>Insp ID: 857</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **What Category are you capturing:** Overhead Poles
- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes
- **Street Light Power Supply:**
  - **Street Light Type:** S70D 12
  - **Street Light Watts**
  - **Street Light Condition:** 2
- **Street Light Height**
  - **What is the type of service:** Three
  - **What is the HV voltage level:** 400
  - **What is the arrangement of connected cables:** Twisted
  - **Are there isolators on the pole:** No
  - **What is the Condition:** 3
  - **How many Lots are connected to this pole:** 0
- **Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:15:04 PM
## Electrical Infrastructure

### Northern Territory Town Camps

**Inspection Date** 1/12/2016 3:09:48 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>858</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

#### Overhead Poles

- **What Category are you capturing:** Overhead Poles
- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** M125D 10
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height:** 1638

- **What is the type of service:** Three
- **What is the HV voltage level:** 400
- **What is the arrangement of connected cables:** Twisted
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 1
- **Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:09:48 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date** 1/12/2016 3:07:11 PM

<table>
<thead>
<tr>
<th>Insp ID: 859</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>What Category are you capturing:</th>
<th>Overhead Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is Pole Material type:</td>
<td>Welded</td>
</tr>
<tr>
<td>What is the condition of pole:</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted:</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant:</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
<tr>
<td>Street Light Power Supply:</td>
<td></td>
</tr>
<tr>
<td>Street Light Type</td>
<td>M125D 10</td>
</tr>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td></td>
</tr>
<tr>
<td>What is the type of service:</td>
<td>Three</td>
</tr>
<tr>
<td>What is the HV voltage level:</td>
<td>400</td>
</tr>
<tr>
<td>What is the arrangement of connected cables:</td>
<td>Twisted</td>
</tr>
<tr>
<td>Are there isolators on the pole:</td>
<td>No</td>
</tr>
<tr>
<td>What is the Condition:</td>
<td>3</td>
</tr>
<tr>
<td>How many Lots are connected to this pole:</td>
<td>1</td>
</tr>
<tr>
<td>Overhead Pole Comments:</td>
<td>Surface rusted</td>
</tr>
</tbody>
</table>

Street Light Power Supply:

- **Street Light Type**: M125D 10
- **Street Light Watts**: 
- **Street Light Condition**: 2
- **Street Light Height**: 1640
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:07:11 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**  1/12/2016 3:01:36 PM

<table>
<thead>
<tr>
<th>Insp ID: 860</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **What Category are you capturing:** Overhead Poles
- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes
- **Street Light Power Supply:**
  - **Street Light Type:** M125D 10
  - **Street Light Watts**
  - **Street Light Condition:** 2
  - **Street Light Height**
  - **What is the type of service:** Three
  - **What is the HV voltage level:** 400
  - **What is the arrangement of connected cables:** Twisted
  - **Are there isolators on the pole:** No
  - **What is the Condition:** 3
  - **How many Lots are connected to this pole:** 1
- **Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:01:36 PM
**Northern Territory Town Camps**

**Electrical Infrastructure**

**Inspection Date**  1/12/2016  2:55:28 PM

<table>
<thead>
<tr>
<th>Insp ID: 862</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>What Category are you capturing:</th>
<th>Overhead Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is Pole Material type:</td>
<td>Welded</td>
</tr>
<tr>
<td>What is the condition of pole:</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted:</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant:</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Street Light Power Supply:**

| Street Light Type               | S70D 13                         |
| Street Light Watts              |                                 |
| Street Light Condition          | 2                               |
| Street Light Height             | 1644                            |

| What is the type of service:    | Combined                        |
| What is the HV voltage level:   | 11000                           |
| What is the arrangement of connected cables: | Parallel               |
| Are there isolators on the pole:| Yes                             |
| What is the Condition:          | 3                               |
| How many Lots are connected to this pole: | 0                    |

**Overhead Pole Comments:**

Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 2:55:28 PM
<table>
<thead>
<tr>
<th>What Category are you capturing:</th>
<th>Overhead Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is Pole Material type:</td>
<td>Welded</td>
</tr>
<tr>
<td>What is the condition of pole:</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted:</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant:</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
<tr>
<td>Street Light Power Supply:</td>
<td></td>
</tr>
<tr>
<td>Street Light Type</td>
<td>S70D 13</td>
</tr>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td></td>
</tr>
<tr>
<td>What is the type of service:</td>
<td>Combined</td>
</tr>
<tr>
<td>What is the HV voltage level:</td>
<td>11000</td>
</tr>
<tr>
<td>What is the arrangement of connected cables:</td>
<td>Parallel</td>
</tr>
<tr>
<td>Are there isolators on the pole:</td>
<td>No</td>
</tr>
<tr>
<td>What is the Condition:</td>
<td>3</td>
</tr>
<tr>
<td>How many Lots are connected to this pole:</td>
<td>0</td>
</tr>
<tr>
<td>Overhead Pole Comments:</td>
<td>Surface rusted</td>
</tr>
</tbody>
</table>
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:47:52 PM
<table>
<thead>
<tr>
<th>What Category are you capturing:</th>
<th>Overhead Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is Pole Material type:</td>
<td>Welded</td>
</tr>
<tr>
<td>What is the condition of pole:</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted:</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant:</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
<tr>
<td>Street Light Power Supply:</td>
<td></td>
</tr>
<tr>
<td>Street Light Type</td>
<td>M125D 10</td>
</tr>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td></td>
</tr>
<tr>
<td>What is the type of service:</td>
<td>Combined</td>
</tr>
<tr>
<td>What is the HV voltage level:</td>
<td>11000</td>
</tr>
<tr>
<td>What is the arrangement of connected cables:</td>
<td>Parallel</td>
</tr>
<tr>
<td>Are there isolators on the pole:</td>
<td>No</td>
</tr>
<tr>
<td>What is the Condition:</td>
<td>3</td>
</tr>
<tr>
<td>How many Lots are connected to this pole:</td>
<td>0</td>
</tr>
<tr>
<td>Overhead Pole Comments:</td>
<td>Surface rusted</td>
</tr>
</tbody>
</table>
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:44:29 PM
**Northern Territory Town Camps**

**Electrical Infrastructure**

**Insp ID:** 866  
**Group 3 - Tennant Creek, Elliott**  
**Wuppa**

<table>
<thead>
<tr>
<th>What Category are you capturing:</th>
<th>Overhead Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is Pole Material type:</td>
<td>Welded</td>
</tr>
<tr>
<td>What is the condition of pole:</td>
<td>3</td>
</tr>
<tr>
<td>How is the pole planted:</td>
<td>Concrete</td>
</tr>
<tr>
<td>What is the Condition of plant:</td>
<td>3</td>
</tr>
<tr>
<td>Is street light fitted:</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Street Light Power Supply:**

<table>
<thead>
<tr>
<th>Street Light Type</th>
<th>S70D 15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td>1650</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>What is the type of service:</th>
<th>Combined</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the HV voltage level:</td>
<td>11000</td>
</tr>
<tr>
<td>What is the arrangement of connected cables:</td>
<td>Parallel</td>
</tr>
<tr>
<td>Are there isolators on the pole:</td>
<td>No</td>
</tr>
<tr>
<td>What is the Condition:</td>
<td>3</td>
</tr>
<tr>
<td>How many Lots are connected to this pole:</td>
<td>1</td>
</tr>
<tr>
<td>Overhead Pole Comments:</td>
<td>Surface rusted</td>
</tr>
</tbody>
</table>
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:41:32 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:35:44 PM

Insp ID:  868
Group 3 - Tennant Creek, Elliott
Wuppa

What Category are you capturing:  Overhead Poles

What is Pole Material type:  Welded
What is the condition of pole:  3
How is the pole planted:  Concrete
What is the Condition of plant:  3
Is street light fitted:  Yes
Street Light Power Supply:
Street Light Type  S70D 13
Street Light Watts
Street Light Condition  3
Street Light Height
What is the type of service:  Combined
What is the HV voltage level:  11000
What is the arrangement of connected cables:  Parallel
Are there isolators on the pole:  No
What is the Condition:  3
How many Lots are connected to this pole:  1
Overhead Pole Comments:  Surface rusted
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**  1/12/2016 2:29:19 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

**What is Pole Material type:** Welded

**What is the condition of pole:** 3

**How is the pole planted:** Concrete

**What is the Condition of plant:** 3

**Is street light fitted:** Yes

**Street Light Power Supply:**

<table>
<thead>
<tr>
<th>Street Light Type</th>
<th>Watts</th>
<th>Condition</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>S150C 60</td>
<td></td>
<td>3</td>
<td>1654</td>
</tr>
</tbody>
</table>

**What is the type of service:** Combined

**What is the HV voltage level:** 11000

**What is the arrangement of connected cables:** Parallel

**Are there isolators on the pole:** Yes

**What is the Condition:** 3

**How many Lots are connected to this pole:** 2

**Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 2:29:19 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date** 1/12/2016 2:25:02 PM

<table>
<thead>
<tr>
<th>Insp ID: 873</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **What is Pole Material type:** Welded
- **What is the condition of pole:** 3
- **How is the pole planted:** Concrete
- **What is the Condition of plant:** 3
- **Is street light fitted:** Yes

**Street Light Power Supply:**

- **Street Light Type:** S150D 18
- **Street Light Watts**
- **Street Light Condition:** 3
- **Street Light Height:** 1656

**What is the type of service:** Combined
- **What is the HV voltage level:** 11000
- **What is the arrangement of connected cables:** Parallel
- **Are there isolators on the pole:** No
- **What is the Condition:** 3
- **How many Lots are connected to this pole:** 0

**Overhead Pole Comments:** Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:25:02 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**: 1/12/2016 3:24:09 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>874</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**What Category are you capturing**: Overhead Poles

- **What is Pole Material type**: Welded
- **What is the condition of pole**: 3
- **How is the pole planted**: Concrete
- **What is the Condition of plant**: 3
- **Is street light fitted**: No Access

### Street Light Power Supply:

- **Street Light Type**
- **Street Light Watts**
- **Street Light Condition**
- **Street Light Height**: 1658

- **What is the type of service**: Three
- **What is the HV voltage level**: 400
- **What is the arrangement of connected cables**: Twisted
- **Are there isolators on the pole**: No
- **What is the Condition**: 3
- **How many Lots are connected to this pole**: 0

**Overhead Pole Comments**: Surface rusted
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:24:09 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 4:31:46 PM

| Insp ID: 832 | Group 3 - Tennant Creek, Elliott | Wuppa |

What Category are you capturing: **Overhead Poles**

<table>
<thead>
<tr>
<th>Is street light fitted:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Light Power Supply:</td>
<td></td>
</tr>
<tr>
<td>Street Light Type</td>
<td>S70D</td>
</tr>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td>1660</td>
</tr>
</tbody>
</table>
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 4:31:46 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date: 1/12/2016 4:27:50 PM

Insp ID: 833  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type: S70D 10

Street Light Watts

Street Light Condition: 2

Street Light Height

[Images of street lights]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 4:21:54 PM

<table>
<thead>
<tr>
<th>Insp ID: 834</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply: Street Light Type S70D 10

Street Light Watts

Street Light Condition 2

Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

**Insp ID:** 835  **Group 3 - Tennant Creek, Elliott**  **Wuppa**

**What Category are you capturing:** Overhead Poles

**Is street light fitted:** Yes

**Street Light Power Supply:**

**Street Light Type**  
S70D 05

**Street Light Watts**

**Street Light Condition**  
2

**Street Light Height**
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 4:17:17 PM

Insp ID: 836  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:
Street Light Type S70D 09
Street Light Watts
Street Light Condition 2
Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 4:17:17 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date** 1/12/2016 4:14:43 PM

<table>
<thead>
<tr>
<th>Insp ID: 837</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

What Category are you capturing: **Overhead Poles**

Is street light fitted: **Yes**

Street Light Power Supply:

Street Light Type: **S70D 11**

Street Light Watts

Street Light Condition: **2**

Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 4:14:43 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 4:10:43 PM

Insp ID: 838 Group 3 - Tennant Creek, Elliott Wuppa

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type M125D 10

Street Light Watts

Street Light Condition 3

Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 4:10:43 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date**  
1/12/2016 4:07:45 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>839</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**What Category are you capturing:** Overhead Poles

**Is street light fitted:** Yes

**Street Light Power Supply:**

**Street Light Type:** M125D 10

**Street Light Watts**

**Street Light Condition:** 2

**Street Light Height**

![Street Light Image 1](image1.png)

![Street Light Image 2](image2.png)

![Street Light Image 3](image3.png)

![Street Light Image 4](image4.png)
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 3:59:38 PM

**Insp ID:**  841  
**Group 3 - Tennant Creek, Elliott**  
**Wuppa**

**What Category are you capturing:**  Overhead Poles

**Is street light fitted:**  Yes

**Street Light Power Supply:**

**Street Light Type**  M125D 10

**Street Light Watts**

**Street Light Condition**  2

**Street Light Height**
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:59:38 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:56:49 PM

Insp ID: 842  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type S70D 14

Street Light Watts

Street Light Condition 2

Street Light Height

![Street Light Images]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:56:49 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:54:04 PM

Insp ID:  843  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing:  Overhead Poles

Is street light fitted:  Yes

Street Light Power Supply:

Street Light Type  S70D 13

Street Light Watts

Street Light Condition  2

Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:54:04 PM
Northern Territory Town Camps

Electrical Infrastructure

Insp ID: 844  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type: S70D 13

Street Light Watts

Street Light Condition: 2

Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:51:49 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:49:17 PM

Insp ID:  845  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing:  Overhead Poles

Is street light fitted:  Yes

Street Light Power Supply:

Street Light Type  S70D 15

Street Light Watts

Street Light Condition  2

Street Light Height

1680
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:47:00 PM

Insp ID: 846  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type S70D 15

Street Light Watts

Street Light Condition 2

Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:47:00 PM
# Northern Territory Town Camps

## Electrical Infrastructure

**Inspection Date**  1/12/2016 3:40:12 PM

<table>
<thead>
<tr>
<th>Insp ID</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

What Category are you capturing: **Overhead Poles**

<table>
<thead>
<tr>
<th>Is street light fitted:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Light Power Supply:</td>
<td></td>
</tr>
<tr>
<td>Street Light Type</td>
<td>S70D 13</td>
</tr>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td></td>
</tr>
</tbody>
</table>

![Image of Overhead Poles](image1.jpg)

![Image of Overhead Poles](image2.jpg)

![Image of Overhead Poles](image3.jpg)

![Image of Overhead Poles](image4.jpg)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:40:12 PM
### Electrical Infrastructure

**Northern Territory Town Camps**

**Inspection Date**  1/12/2016 3:36:33 PM

<table>
<thead>
<tr>
<th>Insp ID: 849</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

**Is street light fitted:** Yes

**Street Light Power Supply:**

**Street Light Type**  S70D 12

**Street Light Watts**

**Street Light Condition**  3

**Street Light Height**

---

Images of street lights and poles are included in the report.
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 3:36:33 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 3:28:54 PM

<table>
<thead>
<tr>
<th>Insp ID: 852</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

What Category are you capturing: **Overhead Poles**

Is street light fitted:  Yes

Street Light Power Supply:

Street Light Type  S70D 11

Street Light Watts

Street Light Condition  3

Street Light Height

[Images of street lights and poles]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:28:54 PM
**Northern Territory Town Camps**

**Electrical Infrastructure**

**Inspection Date**  1/12/2016 3:26:49 PM

<table>
<thead>
<tr>
<th>Insp ID: 853</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

What Category are you capturing: **Overhead Poles**

Is street light fitted: **Yes**

Street Light Power Supply:

Street Light Type: **M125D 10**

Street Light Watts

Street Light Condition: **2**

Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:26:49 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 3:21:30 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>855</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What Category are you capturing:  **Overhead Poles**

Is street light fitted:  Yes

**Street Light Power Supply:**

Street Light Type:  S70D 14

Street Light Watts

Street Light Condition:  2

Street Light Height

![Street Light Images]
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 3:21:30 PM
**Northern Territory Town Camps**

**Electrical Infrastructure**

**Inspector ID:** 856  
**Group 3 - Tennant Creek, Elliott**  
**Wuppa**

<table>
<thead>
<tr>
<th>What Category are you capturing:</th>
<th>Overhead Poles</th>
</tr>
</thead>
</table>

Is street light fitted: Yes

**Street Light Power Supply:**

**Street Light Type**  
M125D 10

**Street Light Watts**

**Street Light Condition**  
2

**Street Light Height**
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:17:22 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:15:04 PM

Insp ID:  857  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing:  Overhead Poles

Is street light fitted:  Yes

Street Light Power Supply:

Street Light Type  S70D 12

Street Light Watts

Street Light Condition  2

Street Light Height

Image found and displayed.
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:15:04 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date** 1/12/2016 3:09:48 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>858</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

What Category are you capturing: **Overhead Poles**

<table>
<thead>
<tr>
<th>Is street light fitted:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Light Power Supply:</td>
<td></td>
</tr>
<tr>
<td>Street Light Type</td>
<td>M125D 10</td>
</tr>
<tr>
<td>Street Light Watts</td>
<td></td>
</tr>
<tr>
<td>Street Light Condition</td>
<td>2</td>
</tr>
<tr>
<td>Street Light Height</td>
<td></td>
</tr>
</tbody>
</table>
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:09:48 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:07:11 PM

Insp ID: 859  Group 3 - Tennant Creek, Elliott  Wuppa

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type M125D 10

Street Light Watts

Street Light Condition 2

Street Light Height

[Images of Overhead Poles and Street Lights]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 3:07:11 PM
## Northern Territory Town Camps

**Electrical Infrastructure**

**Inspection Date** 1/12/2016 3:01:36 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>860</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

- **Is street light fitted:** Yes
- **Street Light Power Supply:**
- **Street Light Type:** M125D 10
- **Street Light Watts:**
- **Street Light Condition:** 2
- **Street Light Height**

![Street Light](image1)

![Street Light](image2)

![Street Light](image3)

![Street Light](image4)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 3:01:36 PM
### Northern Territory Town Camps

**Electrical Infrastructure**

**Inspection Date** 1/12/2016 2:55:28 PM

<table>
<thead>
<tr>
<th>Insp ID: 862</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

**Is street light fitted:** Yes

**Street Light Power Supply:**

**Street Light Type:** S70D 13

**Street Light Watts**

**Street Light Condition:** 2

**Street Light Height**
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:55:28 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date** 1/12/2016 2:47:52 PM

**Insp ID:** 863  
Group 3 - Tennant Creek, Elliott  
Wuppa

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type: S70D 13

Street Light Watts

Street Light Condition: 2

Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:47:52 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date** 1/12/2016 2:44:29 PM

<table>
<thead>
<tr>
<th>Insp ID: 864</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

**What Category are you capturing:** Overhead Poles

**Is street light fitted:** Yes

**Street Light Power Supply:**

**Street Light Type:** M125D 10

**Street Light Watts**

**Street Light Condition:** 2

**Street Light Height**
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:44:29 PM
### Northern Territory Town Camps

#### Electrical Infrastructure

**Inspection Date** 1/12/2016 2:41:32 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>866</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **What Category are you capturing:** Overhead Poles
- **Is street light fitted:** Yes
- **Street Light Power Supply:**
- **Street Light Type:** S70D 15
- **Street Light Watts**
- **Street Light Condition:** 2
- **Street Light Height**

[Images of street poles and fixtures]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:41:32 PM
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:35:44 PM

Insp ID:  868    Group 3 - Tennant Creek, Elliott    Wuppa

What Category are you capturing:  Overhead Poles

Is street light fitted:  Yes

Street Light Power Supply:

Street Light Type  S70D 13

Street Light Watts

Street Light Condition  3

Street Light Height
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 2:29:19 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>870</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What Category are you capturing: **Overhead Poles**

- Is street light fitted: **Yes**
- **Street Light Power Supply:**
  - **Street Light Type:** S150C 60
  - **Street Light Watts:**
  - **Street Light Condition:** 3
  - **Street Light Height**

---

Images of Electrical Infrastructure:
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:29:19 PM
Northern Territory Town Camps

Electrical Infrastructure

**Inspection Date**  1/12/2016 2:25:02 PM

<table>
<thead>
<tr>
<th>Insp ID:</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
<tbody>
<tr>
<td>873</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What Category are you capturing: Overhead Poles

Is street light fitted: Yes

Street Light Power Supply:

Street Light Type: S150D 18

Street Light Watts

Street Light Condition: 3

Street Light Height

[Images of electrical poles and street lights]
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:25:02 PM
## Northern Territory Town Camps

### Electrical Infrastructure

**Inspection Date** 1/12/2016 2:58:37 PM

<table>
<thead>
<tr>
<th>Insp ID: 861</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **What Category are you capturing:** Transformers
- **What is Transformer installation method:** Pole
- **If method know:** 11SS1P
- **What is the condition of the mounting:** 3
- **What is Transformer Rating:** Unknown
- **Is there access to transformers name plate to take a photo:** No
- **What is the condition of transformer:** 3
- **What is cable type to transformer:** PVC insulated black
- **What is cable size to transformer:**
- **Is there switch gear or fusing associated with the transformer:** Cut out fuse

**Transformer Comment:**

![Transformer Image 1](P:\GIS\Projects\253963_NT\Image found and displayed.)

![Transformer Image 2](P:\GIS\Projects\253963_NT\Image found and displayed.)

![Transformer Image 3](P:\GIS\Projects\253963_NT\Image found and displayed.)

![Transformer Image 4](P:\GIS\Projects\253963_NT\Image found and displayed.)
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 1/12/2016 2:58:37 PM
### Northern Territory Town Camps

#### Electrical Infrastructure

**Inspection Date**  1/12/2016 2:32:35 PM

<table>
<thead>
<tr>
<th>Insp ID: 869</th>
<th>Group 3 - Tennant Creek, Elliott</th>
<th>Wuppa</th>
</tr>
</thead>
</table>

- **What Category are you capturing:** Transformers
- **What is Transformer installation method:** Pole
- **If method know:** 11SS1P
- **What is the condition of the mounting:** 3
- **What is Transformer Rating:** Unknown
- **Is there access to transformers name plate to take a photo:** No
- **What is the condition of transformer:** 3
- **What is cable type to transformer:** PVC insulated black
- **What is cable size to transformer:**
- **Is there switch gear or fusing associated with the transformer:** Cut out fuse

---

*Images found and displayed.*
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date  1/12/2016 2:32:35 PM
Road map
Existing drawings
### AS CONSTRUCTED

#### EXISTING LINE 100/8

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>Elevation</th>
<th>CODE</th>
<th>STAGE</th>
<th>DB</th>
<th>LB</th>
<th>FB</th>
<th>TF</th>
<th>Z</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### EXISTING LINE 100

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>Elevation</th>
<th>CODE</th>
<th>STAGE</th>
<th>DB</th>
<th>LB</th>
<th>FB</th>
<th>TF</th>
<th>Z</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### CHANNEL

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>Elevation</th>
<th>CODE</th>
<th>STAGE</th>
<th>DB</th>
<th>LB</th>
<th>FB</th>
<th>TF</th>
<th>Z</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MANHOLE SURFACE

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>Elevation</th>
<th>CODE</th>
<th>STAGE</th>
<th>DB</th>
<th>LB</th>
<th>FB</th>
<th>TF</th>
<th>Z</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### INVERT SURFACE LEVEL

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>Elevation</th>
<th>CODE</th>
<th>STAGE</th>
<th>DB</th>
<th>LB</th>
<th>FB</th>
<th>TF</th>
<th>Z</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### DEPTH TO INVERT

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>Elevation</th>
<th>CODE</th>
<th>STAGE</th>
<th>DB</th>
<th>LB</th>
<th>FB</th>
<th>TF</th>
<th>Z</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### AS TOP OF MANHOLE

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>Elevation</th>
<th>CODE</th>
<th>STAGE</th>
<th>DB</th>
<th>LB</th>
<th>FB</th>
<th>TF</th>
<th>Z</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SANITATION WATER Main

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>Elevation</th>
<th>CODE</th>
<th>STAGE</th>
<th>DB</th>
<th>LB</th>
<th>FB</th>
<th>TF</th>
<th>Z</th>
<th>C1</th>
<th>C2</th>
<th>C3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.50</td>
<td>356.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
AS CONSTRUCTED

**Sewerage Long Section (Beyond URA)**

<table>
<thead>
<tr>
<th>Channel</th>
<th>Manhole No.</th>
<th>Lt. (m)</th>
<th>Upl. (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Existing Line 100**

<table>
<thead>
<tr>
<th>Channel</th>
<th>Manhole No.</th>
<th>Lt. (m)</th>
<th>Upl. (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Pavement**

<table>
<thead>
<tr>
<th>Pavement Type</th>
<th>Pavement No.</th>
<th>Pavement Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Setting Out Plan**

1. **Manhole Number**: 1
2. **Manhole Drop Type**: 1
3. **Joins with Line No.**: 1
SEARCH CERTIFICATE

CROWN LEASE IN PERPETUITY 01123

Lot 2066 Town of Tennant Creek from plan(s) S 88/37
Area under title is 14 hectares 6200 square metres

Owner:
Julalikari Housing Incorporated
of 13 Maloney Street, Tennant Creek NT 0860

Registered Date	Dealing Number	Description

26/11/1996	364710	Previous title is Volume 371 Folio 019
18/07/1994	312147	Statutory Notice - Prescribed Property

End of Dealings

IMPORTANT MESSAGE: This title information is compiled from the paper register and may be incomplete. Please refer to the scanned image of the paper title for further details. Contact Land Titles Office staff for assistance.

Commencement Date: 29th June, 1994

Expiry Date: In Perpetuity

Reservations:

1. Reservation of right of entry and inspection.

2. Reservation of all minerals, mineral substances and ores in or under the land including gems, stones, sands, valuable earths and fossil fuels.

3. Reservation of power of resumption.

Provisions:

1. The purpose of the lease (‘the lease purpose’) is Aboriginal Residential Complex (Wuppa).

2. The annual rent for the lease shall be ten (10) cents if and when demanded.

3. If the rent referred to in provision 2 is unpaid for six months or more, the lease shall be liable to be forfeited.

4. This lease is granted under and subject to the Crown Lands Act and the Regulations for the time being in force thereunder, and is conditional upon compliance by the Lessee with the covenants and conditions to be complied with by the Lessee, and shall, subject to the Crown Lands Act and the Regulations, be liable to be determined and forfeited for non-compliance with any such covenant or condition.

5. The Lessee, having paid all rent due to be paid by the Lessee may at any time surrender the lease in the manner prescribed under the Crown Lands Act.

6. For the purposes of sections 58 and 59 of the Crown Lands Act the Lessee agrees that the Minister may at his absolute discretion determine the Lessee’s rights in improvements and whether compensation is payable for improvements following surrender, expiry, termination or forfeiture of this lease.

Conditions and covenants:
1. Subject to the Crown Lands Act the Lessee will not use the land for a purpose other than the lease purpose.

2. The Lessee will pay rates and taxes which may at any time become due in respect of the leased land.

3. The Lessee will pay the rent annually in advance.

4. The Lessee will at all times maintain and repair and keep in repair all improvements to the value of five hundred thousand dollars ($500,000) on the land to the satisfaction of the Minister.

5. All development will be in accordance with any Planning Instrument and or any Instrument of Determination issued under the Planning Act affecting the land subject of the lease.

6. The Lessee will, in respect of land included in the lease, ensure that at all times and to the satisfaction of the Minister, the land is kept clean, tidy and free from weeds, debris, dry herbage, rubbish, carcasses of animals and other unsightly or offensive matter and harbour for insects, pests and the breeding of mosquitoes.

7. The Lessee covenants with the Minister that if the Lessee fails to observe and carry out or to cause to be observed or carried out the requirements of condition 6 above, the Territory will have a right to enter onto the leased premises and do all things necessary to that end and the expense and cost thereof (as determined by the Minister) will be borne and payable by the Lessee on demand.

8. The Lessee will at all times maintain and repair and keep in repair the whole of the boundary fence of the leased land to the satisfaction of the Minister.

In addition the Lessee will share the cost of erecting a 1.83m fence for a total length of 1577m surrounding Lot 1274, Town of Tennant Creek, on a 50/50 share basis with the Tennant Creek Town Council.

9. That all electrical reticulation, water reticulation and sewerage will conform at all times with the appropriate by-laws, standards and specification of the Power and Water Authority.

10. That the leased land will be dust suppressed and adequately drained for stormwater and all such drainage will conform at all times with the appropriate by-laws, standards and specifications of the Department of Transport and Works and the Town Engineer, Tennant Creek Town Council.

11. The access to the leased land will be constructed in accordance with plans and specifications previously submitted to and approved by the Tennant Creek Town Council.
Record of Administrative Interests and Information

The information contained in this record of Administrative Interests only relates to the below parcel reference.

Parcel Reference: Lot 02066 Town of Tennant Creek plan(s) S 88/37

(See section 38 of the Land Title Act)

Note: The Record of Administrative Interests and Information is not part of the Land Register and is not guaranteed by the Northern Territory of Australia, and the NT Government accepts no Liability for any omission, misstatement or inaccuracy contained in this statement.

Registrar General

Government Land Register

(none found)

Custodian - Registrar General (+61 8 8999 6252)

Current Title

CUFT 371 161 (order 1)

Tenure Type

CROWN LEASE IN PERPETUITY 1123

Tenure Status

Current

Area Under Title

14 hectares 6200 square metres

Owners

Julalikari Housing Incorporated

13 Maloney Street, Tennant Creek NT 0860

Easements

(none found)

Scheme Name

(none found)

Scheme Body Corporate Name

(none found)

Reserved Name(s)

(none found)

Unit Entitlements

(none found)
Transfers
(none found)

Tenure Comments
(none found)

Historic Titles
CUFT 371 019 (order 1)
CUCL 201 093 (order 1)

Custodian - Surveyor General (+61 8 8995 5362)
Address
91 PERRY DR, TENNANT CREEK
Survey Plan
S 88/037
Survey Status
Approved
Parcel Status
CURRENT
Parcel Area
14 hectares, 6200 square metres
Map Reference
Code 730 Scale 2500 Sheet 23.33
Parent Parcels
Lot 00294 Town of Tennant Creek plan(s) A 000404
Lot 01142 Town of Tennant Creek plan(s) S 73/028
Parcel Comments
PROP SUB'N FOR JULALIKARI COUNCIL INTO LOTS 2065 AND 2066 VIDE S88/37. SEE S2008/27 LOTS 2206(A) TO 2257(A) ALLOCATION OF ADMIN PARCELS AT WUPPA TOWN CAMP LOT 2066 TENNANT CREEK
Survey Comments
(none found)
Proposed Easements
(none found)
Municipality
BARKLY SHIRE
Region
BARKLY

Custodian - Valuer General (+61 8 8995 5375)
Owner's Last Known Address
Department of Housing, PROPERTY RATES OFFICER, GPO BOX 4621, DARWIN NT 0801
Parcels in Valuation
Lot 02066 Town of Tennant Creek
Unimproved Capital Value
$135,000 on 01/07/2015
$133,000 on 01/07/2012
$102,500 on 01/07/2010
$56,000 on 01/07/2004
$66,000 on 01/07/2001
$66,000 on 01/07/1998
$63,000 on 01/07/1995
$63,000 on 01/07/1992
$72,000 on 01/01/1990
$63,000 on 01/01/1987

Valuation Improvements
01/02/1996 Demountable/donga x 8
01/02/1996 House x 20
21/09/1989 Land

Custodian - Property Purchasing (+61 8 8999 6631)

Acquisitions
(none found)

Custodian - Building Advisory Service (+61 8 8999 8965)

Building Control Areas
BBTEN001 - Building Control Area
TENNANT CREEK BUILDING AREA

Building Permits

Application Number: 13 of 15
Description: DWELLING SITE 11
Number of Residential Units: 1
Australian Bureau of Statistics Type: Separate House
Building Class: Single Dwelling
Area: 0 square metres

Visit the website http://www.nt.gov.au/building/

Custodian - Town Planning and Development Assessment Services (+61 8 8999 6046)

Planning Scheme Zone
CL (Community Living)

Interim Development Control Orders
(none found)

Planning Notes
(none found)

Planning Applications

File Number
PA1990/0212
Type
Development

Date Received
26/04/1990

Application Purpose
COMMUNITY FACILITY THIS SITE IS STUART HIGHWAY

Application Status
Approved

Other Affected Parcels
(none found)

Instrument Signed
28/05/1990

Instrument Number
DV3824

Instrument Issued
Signed

Instrument Status
Completed

File Number
PA1988/0347

Type
Subdivision

Date Received
08/07/1988

Application Purpose
TWO ABORIGINAL LIVING AREAS PLUS ACCESS AREA THIS AREA WAS SUBDIVIDED FROM VCL. PROPOSED LOTS ARE 2066 AND 2065.

Application Status
Approved

Other Affected Parcels
Lot 02065 Town of Tennant Creek

Instrument Signed
28/02/1989

Instrument Number
S01091

Instrument Issued
Signed

Instrument Status
Completed
### Custodian - Power and Water Corporation (1800 245 092)

**Meters on Parcel**

<table>
<thead>
<tr>
<th>Meters on Parcel</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Water - Electricity</td>
<td>15</td>
</tr>
<tr>
<td>Power Water - Water</td>
<td>2</td>
</tr>
</tbody>
</table>

For Account balances, contact the Power and Water Corporation.

### Custodian - Pool Fencing Unit (+61 8 8924 3641)

**Swimming Pool/Spa Status**

(none found)

For more information, contact the Pool Fencing Unit (+61 8 8924 3641).

### Custodian - Mines and Energy (+61 8 8999 5322)


For information on possible Petroleum Titles, contact Mines & Energy for further details.

### Custodian - NT Environment Protection Authority (+61 8 8924 4218)

**Results of site contamination assessment**

(none found)

For further information contact Environment Protection Authority or visit the website [https://nepa.nt.gov.au/waste-pollution/contaminated-land](https://nepa.nt.gov.au/waste-pollution/contaminated-land)

### Custodian - Heritage Branch (+61 8 8999 5039)

**Heritage Listing:**

(none found)

For further information on heritage places contact Heritage Branch or visit the website [https://nt.gov.au/property/land/heritage-register-search-for-places-or-objects](https://nt.gov.au/property/land/heritage-register-search-for-places-or-objects)

### Other Interests

For Account balances, contact Barkly Shire Council
Transformer data
<table>
<thead>
<tr>
<th>Group</th>
<th>Com No</th>
<th>Location</th>
<th>Community Name</th>
<th>Dwellings No. (Buried Dwelling)</th>
<th>Dwellings No. (Buried Dwelling)</th>
<th>New Houses **</th>
<th>Primary Volatiles (mg/L)</th>
<th>PNC Substation ID</th>
<th>PNC Test Number</th>
<th>Transformer size (kVA)</th>
<th>RWA Total Developments (kVA)</th>
<th>KVA Total Developments (kVA)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>298</td>
<td>Orange</td>
<td>Bugot</td>
<td>55</td>
<td>55</td>
<td>1.1</td>
<td>1.924</td>
<td>1.795</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Two transformers for this Town Camp. Transformers are not in boundary of Town Camp. The nearest transformer data to Town Camp are highlighted in yellow.</td>
</tr>
<tr>
<td>301</td>
<td>Orange</td>
<td>Kiambu Lagoon</td>
<td>14</td>
<td>10</td>
<td>2.1</td>
<td>1.771</td>
<td>1.634</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Two transformers for this Town Camp.</td>
<td></td>
</tr>
<tr>
<td>309</td>
<td>Orange</td>
<td>Kibuko</td>
<td>19</td>
<td>10</td>
<td>2.2</td>
<td>1.970</td>
<td>1.607</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
<tr>
<td>403</td>
<td>Kajang</td>
<td>Kimonya Town Camp</td>
<td>20</td>
<td>16</td>
<td>2.2</td>
<td>1.909</td>
<td>1.525</td>
<td>1.556</td>
<td>2.785</td>
<td>277</td>
<td>42</td>
<td>Two transformers for this Town Camp.</td>
<td></td>
</tr>
<tr>
<td>422</td>
<td>Kajang</td>
<td>Kura Ferry (One Mile Dam)</td>
<td>5</td>
<td>9</td>
<td>2.2</td>
<td>1.805</td>
<td>1.615</td>
<td>1.556</td>
<td>2.785</td>
<td>277</td>
<td>42</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
<tr>
<td>425</td>
<td>Kajang</td>
<td>Kiboro</td>
<td>9</td>
<td>9</td>
<td>2.2</td>
<td>1.884</td>
<td>1.607</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Two transformers for this Town Camp.</td>
<td></td>
</tr>
<tr>
<td>426</td>
<td>Kajang</td>
<td>Kiboro</td>
<td>10</td>
<td>12</td>
<td>2.2</td>
<td>1.970</td>
<td>1.607</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
<tr>
<td>505</td>
<td>Kiboro</td>
<td>Kiboro</td>
<td>12</td>
<td>24</td>
<td>2.2</td>
<td>2.247</td>
<td>1.172</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
<tr>
<td>506</td>
<td>Kiboro</td>
<td>Kiboro</td>
<td>9</td>
<td>9</td>
<td>2.2</td>
<td>1.970</td>
<td>1.607</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
<tr>
<td>522</td>
<td>Kiboro</td>
<td>Kiboro</td>
<td>7</td>
<td>7</td>
<td>2.2</td>
<td>1.874</td>
<td>1.607</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
<tr>
<td>526</td>
<td>Kiboro</td>
<td>Kiboro</td>
<td>12</td>
<td>12</td>
<td>2.2</td>
<td>1.970</td>
<td>1.607</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
<tr>
<td>527</td>
<td>Kiboro</td>
<td>Kiboro</td>
<td>36</td>
<td>25</td>
<td>2.2</td>
<td>1.855</td>
<td>1.607</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
<tr>
<td>528</td>
<td>Kiboro</td>
<td>Kiboro</td>
<td>12</td>
<td>12</td>
<td>2.2</td>
<td>1.874</td>
<td>1.607</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
<tr>
<td>530</td>
<td>Kiboro</td>
<td>Kiboro</td>
<td>1</td>
<td>1</td>
<td>2.2</td>
<td>1.874</td>
<td>1.607</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
<tr>
<td>531</td>
<td>Kiboro</td>
<td>Kiboro</td>
<td>36</td>
<td>25</td>
<td>2.2</td>
<td>1.855</td>
<td>1.607</td>
<td>1.393</td>
<td>2.485</td>
<td>247.5</td>
<td>385</td>
<td>Transformer is not in boundary of Town Camp. The nearest transformer data to Town Camp is highlighted in yellow.</td>
<td></td>
</tr>
</tbody>
</table>

** For New January's demand calculation see section 13.4 "Future Demand".