

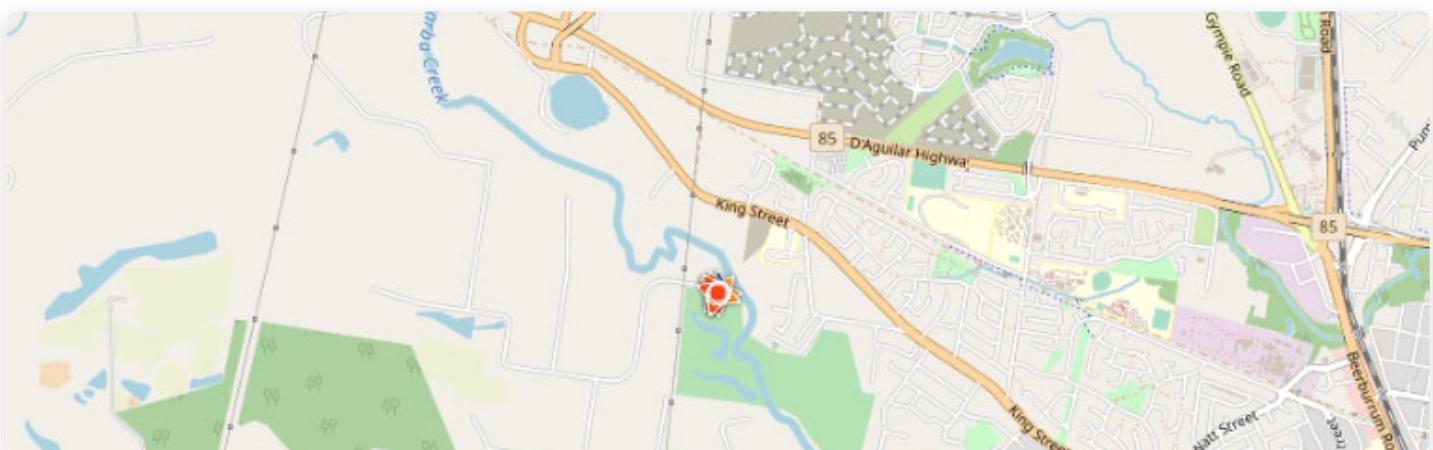


scopito

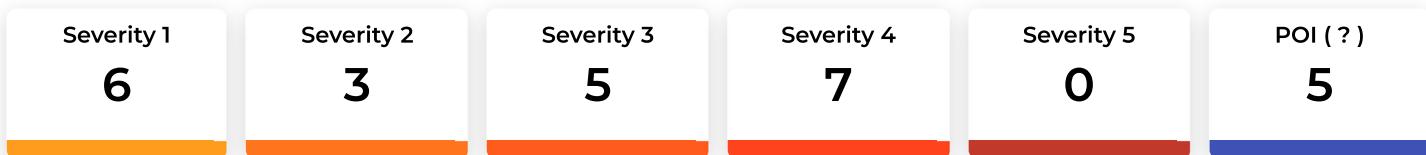
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THE FUTURE OF VISUAL INSPECTIONS

Bellmere (Site No. 4510003)

Report date: Aug 24, 2020 Type: Cell Tower Company: Scopito Demo 1 Report images: 22 Annotations: 26



Severity overview



Bellmere (Site No. 4510003) - Summary

F03 Preliminary Report for Site No. 4510003

1. Concrete Damage and Corrosion to Base Plate:

The concrete apron around the base of the tower is damaged. This exposed advancing corrosion around the bottom of the base plate. Recommended that an accredited inspector determine severity of corrosion.

2. Antenna Brackets:

There is visible surface rust and initial metal loss on the western facing antenna threaded rods and nut on northeast facing antenna. Recommended that an accredited inspector determine severity of corrosion. Suggest nuts and threaded rods be swapped out at next site visit.

Antenna bracket on western facing antenna night aligned to antenna. Suggest adjusting and re-securing this bracket at next site visit.

3. Damaged RRU Covers:

The damaged RRU on the northern face appears to be cosmetic only. The integrity of the RRU should be checked on next site visit.

4. Bad Termination:

The coax cable at the top of the monopole has not been sealed. Recommend this be brought to the attention of wireless network engineering and actioned as priority.

5. Safety and Security:

The security perimeter and safety signage all appear to be in good condition. It is recommended that the site location and contact information sign be reviewed and updated if necessary. It is also recommended to clean vegetation inside fence perimeter on next site visit.

Climbing ladder appears to be in good condition with no loose or missing components.

Annotation overview

Id	Severity	Issues	Comments	Page
1780784	1	Damage	Minor damage to cable tray cover.	3
1780783	3	Vegetation	Moderate vegetation growth around base of tower.	4
1780782	4	Corrosion	Hardware corrosion. Metal loss starting to occur.	5
1780778	?	Safety & Security	Lock secure.	6
1780779	?	Safety & Security	Signage in place.	6
1780780	?	Safety & Security	Fence and razor wire in good condition.	7
1780781	?	Security	Verify contact information is up to date. Site number appears to be faded.	7
1780775	2	Damage	Damage to concrete apron around base of tower.	8
1780776	4	Corrosion	Corrosion around tower base flange. Likely a result of the concrete apron trapping water between the concrete and steel.	8
1780777	3	Wiring	Ground wire connection cover looks worn and exposed.	9
1780773	4	Corrosion	Threaded rods corroded. Metal loss starting to occur.	10
1780774	4	Corrosion	Threaded rods corrodng. Metal loss staring to occur.	11
1780772	3	Damage	Damaged RRU cover	12
1780771	1	Corrosion	Initial signs of oxidation on bracket support.	13
1780770	3	Safety & Security	Unknown object inside bracket. Possible wildlife, climbers should take care on next climb.	14
1780769	1	Damage	Minor damage to cable tray cover.	15
1780768	2	Safety & Security	Screen damaged.	16
1780767	3	Damage	Damage to exterior of RRU.	17
1780766	1	Area of Interest	RRU cover out of alignment.	18

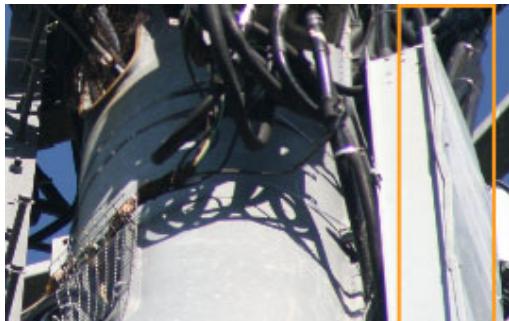
Id	Severity	Issues	Comments	Page
1780765	?	Safety & Security	Safety signs in place.	19
1780764	1	Damage	Damage to cable tray cover. Cover may bend and create a seam when removed.	20
1780763	1	Damage	Minor damage on RF cover.	21
1780762	4	Damage	Cables cut with ends exposed.	22
1780761	4	Hardware	Clamp is not aligned square to antenna.	23
1780760	4	Corrosion	Nut is corroding. Metal loss . No security nut in place.	24
1780759	2	Corrosion	Light oxidation on threaded rods.	25

Bellmere (Site No. 4510003)

File name:	IMG_9571.JPG	Altitude:
Date taken:	Nov 25, 2017 11:45:23 PM	Heading:
Position:		User tags: No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266047



1780784 Severity: 1 Damage

Remedy action:

Use caution when removing cable tray cover to prevent bending and further damage.

Brian O'Hanlon:

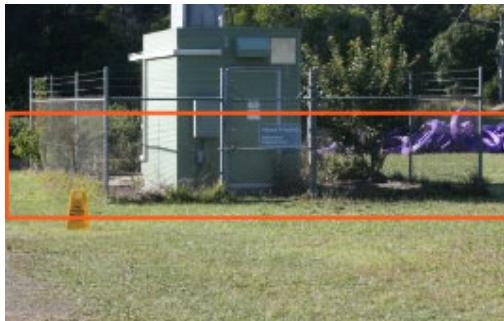
Minor damage to cable tray cover.

Bellmere (Site No. 4510003)

File name:	IMG_9585.JPG	Altitude:
Date taken:	Nov 25, 2017 11:53:05 PM	Heading:
Position:		User tags: No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266041



1780783 Severity: 3 Vegetation

Remedy action:

Remove vegetation from inside fence perimeter and minimum 1.5 meters around the outside of fence perimeter.

Brian O'Hanlon:

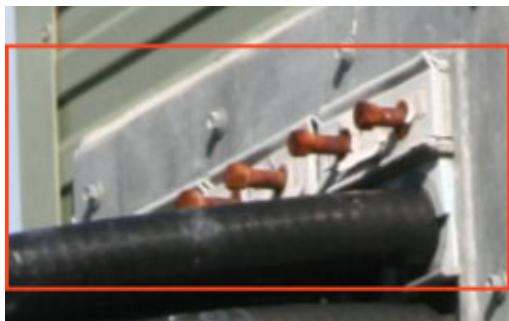
Moderate vegetation growth around base of tower.

Bellmere (Site No. 4510003)

File name:	IMG_9593.JPG	Altitude:
Date taken:	Nov 26, 2017 12:31:28 AM	Heading:
Position:		User tags: No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266038



1780782 Severity: 4 Corrosion

🔧 Remedy action:
Replace hardware in 3-6 months.

Brian O'Hanlon:
Hardware corrosion. Metal loss starting to occur.

Bellmere (Site No. 4510003)

File name:	IMG_9595.JPG	Altitude:
Date taken:	Nov 26, 2017 12:32:21 AM	Heading:
Position:		User tags: No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266036



1780778 Point of interest Safety & Security

Brian O'Hanlon:
Lock secure.



1780779 Point of interest Safety & Security

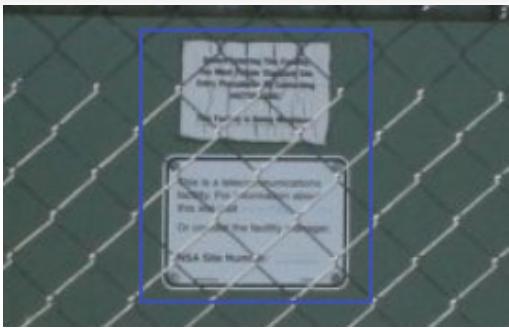
Brian O'Hanlon:
Signage in place.



1780780 Point of interest Safety & Security

Brian O'Hanlon:

Fence and razor wire in good condition.



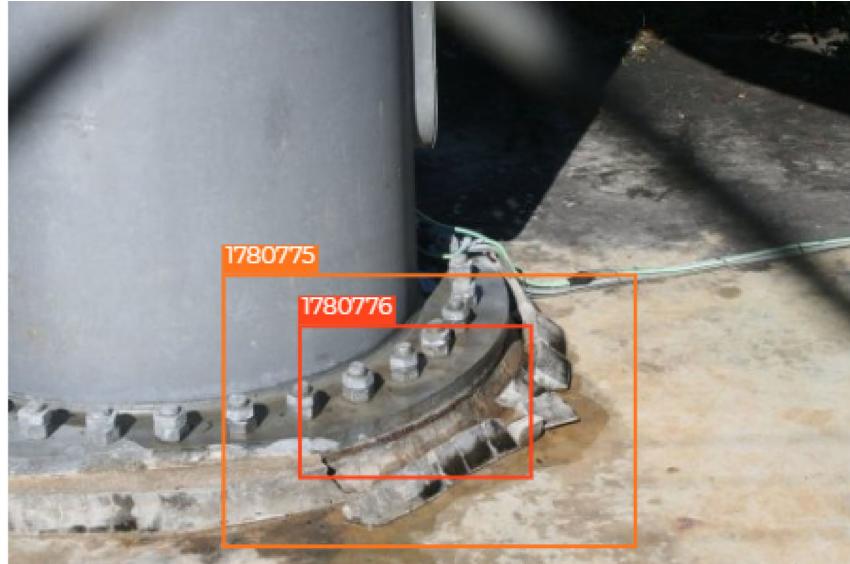
1780781 Point of interest Security

Brian O'Hanlon:

Verify contact information is up to date. Site number appears to be faded.

Bellmere (Site No. 4510003)

File name:	IMG_9601.JPG	Altitude:	
Date taken:	Nov 26, 2017 12:42:28 AM	Heading:	No heading
Position:		User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266033



1780775 Severity: 2 Damage

Brian O'Hanlon:

Damage to concrete apron around base of tower.



1780776 Severity: 4 Corrosion

Remedy action:

Consider modifying the concrete apron to reduce the risk of long term corrosion damage. Consult with an engineer with specific corrosion expertise.

Brian O'Hanlon:

Corrosion around tower base flange. Likely a result of the concrete apron trapping water between the concrete and steel.

Bellmere (Site No. 4510003)

File name:	IMG_9602.JPG	Altitude:
Date taken:	Nov 26, 2017 12:42:39 AM	Heading:
Position:		User tags: No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266034



1780777 Severity: 3 Wiring

Remedy action:

Check condition of this ground wire connection and re-seal if necessary.

Brian O'Hanlon:

Ground wire connection cover looks worn and exposed.

Bellmere (Site No. 4510003)

File name:	DJI_0001.JPG	Altitude:	37.1m
Date taken:	Jun 12, 2018 1:52:26 AM	Heading:	South (201.5°)
Position:	 -27.0731767,152.9165503	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266031



1780773 Severity: 4 Corrosion

🔧 Remedy action:

Replace 2 threaded rods in 3-6 months.

Brian O'Hanlon:

Threaded rods corroded. Metal loss starting to occur.

Bellmere (Site No. 4510003)

File name:	DJI_0002.JPG	Altitude:	38.8m
Date taken:	Jun 12, 2018 1:52:28 AM	Heading:	South (197.5°)
Position:	 -27.0731764,152.9165478	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266032



1780774 Severity: 4 Corrosion

 **Remedy action:**

Replace 2 threaded rods in 3-6 months.

Brian O'Hanlon:

Threaded rods corrodng. Metal loss staring to occur.

Bellmere (Site No. 4510003)

File name:	DJI_0004.JPG	Altitude:	35.3m
Date taken:	Jun 12, 2018 1:52:32 AM	Heading:	South (195°)
Position:	 -27.0731760,152.9165465	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266029



1780772 Severity: 3 Damage

🔧 Remedy action:

Check RRU on next tower climb to insure damage does not impact weather integrity or any critical components.

Brian O'Hanlon:

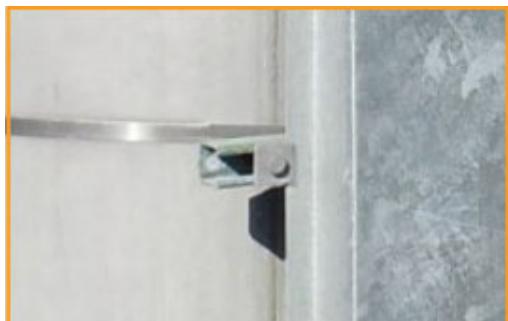
Damaged RRU cover

Bellmere (Site No. 4510003)

File name:	DJI_0014.JPG	Altitude:	17.4m
Date taken:	Jun 12, 2018 1:52:52 AM	Heading:	South (196.8°)
Position:	 -27.0731757,152.9165478	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266019



1780771 Severity: 1 Corrosion

 **Remedy action:**

Inspect bracket on next tower climb.

Brian O'Hanlon:

Initial signs of oxidation on bracket support.

Bellmere (Site No. 4510003)

File name:	DJI_0022.JPG	Altitude:	15.6m
Date taken:	Jun 12, 2018 1:53:08 AM	Heading:	Southwest (214°)
Position:	 -27.0731822,152.9165647	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6266011



1780770 Severity: 3 Safety & Security

Brian O'Hanlon:

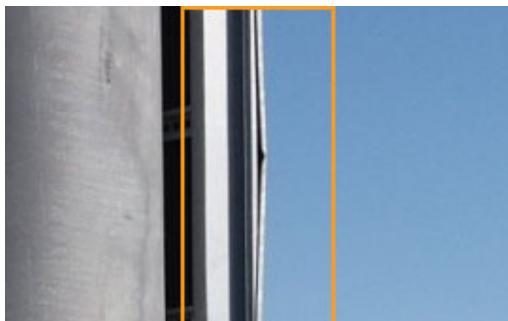
Unknown object inside bracket. Possible wildlife, climbers should take care on next climb.

Bellmere (Site No. 4510003)

File name:	DJI_0096.JPG	Altitude:	27.4m
Date taken:	Jun 12, 2018 1:55:36 AM	Heading:	Northwest (307.7°)
Position:	 -27.0732452,152.9165822	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265937



1780769 Severity: 1 Damage

 **Remedy action:**

Use caution to prevent the cover from bending and creating a weak seam when removed.

Brian O'Hanlon:

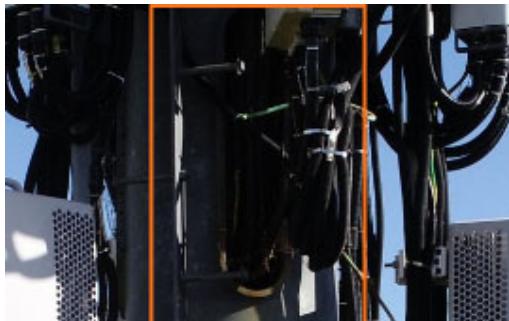
Minor damage to cable tray cover.

Bellmere (Site No. 4510003)

File name:	DJI_0100.JPG	Altitude:	33.7m
Date taken:	Jun 12, 2018 1:55:44 AM	Heading:	Northwest (309.2°)
Position:	 -27.0732461,152.9165824	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265933



1780768 Severity: 2 Safety & Security

 **Remedy action:**

Replace screen to prevent birds and wildlife from entering tower structure.

Brian O'Hanlon:

Screen damaged.

Bellmere (Site No. 4510003)

File name:	DJI_0101.JPG	Altitude:	35.5m
Date taken:	Jun 12, 2018 1:55:46 AM	Heading:	Northwest (309.3°)
Position:	 -27.0732460,152.9165823	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265932



1780767 Severity: 3 Damage

 **Remedy action:**

Check RRU for damage to seals or internal components.

Brian O'Hanlon:

Damage to exterior of RRU.

Bellmere (Site No. 4510003)

File name:	DJI_0105.JPG	Altitude:	35.8m
Date taken:	Jun 12, 2018 1:55:54 AM	Heading:	North (340.1°)
Position:	 -27.0732582,152.9165663	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265928



1780766 Severity: 1 Area of Interest

 **Remedy action:**

Check attachment of RRU cover and re-align if necessary.

Brian O'Hanlon:

RRU cover out of alignment.

Bellmere (Site No. 4510003)

File name:	DJI_0141.JPG	Altitude:	35.2m
Date taken:	Jun 12, 2018 1:58:15 AM	Heading:	North (2.89999°)
Position:	 -27.0732709,152.9165425	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265892



1780765 Point of interest Safety & Security

Brian O'Hanlon:
Safety signs in place.

Bellmere (Site No. 4510003)

File name:	DJI_0165.JPG	Altitude:	32.6m
Date taken:	Jun 12, 2018 2:06:27 AM	Heading:	Northeast (41.5°)
Position:	 -27.0732710,152.9165158	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265868



1780764 Severity: 1 Damage

Brian O'Hanlon:

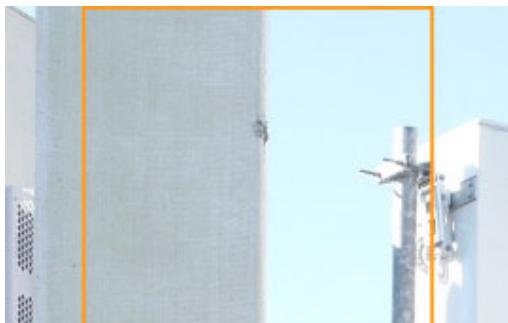
Damage to cable tray cover. Cover may bend and create a seam when removed.

Bellmere (Site No. 4510003)

File name:	DJI_0203.JPG	Altitude:	36.5m
Date taken:	Jun 12, 2018 2:08:19 AM	Heading:	East (93.6°)
Position:	 -27.0732072,152.9164925	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265830



1780763 Severity: 1 Damage

Brian O'Hanlon:
Minor damage on RF cover.

Bellmere (Site No. 4510003)

File name:	DJI_0224.JPG	Altitude:	41.7m
Date taken:	Jun 12, 2018 2:09:32 AM	Heading:	South (178°)
Position:	 -27.0731986,152.9165376	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265809



1780762 Severity: 4 Damage

 **Remedy action:**

Install proper protective termination to preserve cables for future use.

Brian O'Hanlon:

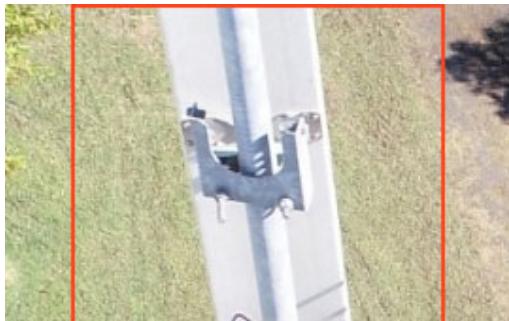
Cables cut with ends exposed.

Bellmere (Site No. 4510003)

File name:	DJI_0228.JPG	Altitude:	42m
Date taken:	Jun 12, 2018 2:09:47 AM	Heading:	West (292°)
Position:	 -27.0732255,152.9165702	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265805



1780761 Severity: 4 Hardware

 **Remedy action:**

Check clamp alignment and re-adjust if necessary.

Brian O'Hanlon:

Clamp is not aligned square to antenna.

Bellmere (Site No. 4510003)

File name:	DJI_0229.JPG	Altitude:	42m
Date taken:	Jun 12, 2018 2:09:51 AM	Heading:	Northwest (322.9°)
Position:	 -27.0732387,152.9165612	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265804



1780760 Severity: 4 Corrosion

🔧 Remedy action:
Replace nut in <3 months.

Brian O'Hanlon:
Nut is corroding. Metal loss . No security nut in place.

Bellmere (Site No. 4510003)

File name:	DJI_0233.JPG	Altitude:	41.7m
Date taken:	Jun 12, 2018 2:10:17 AM	Heading:	Southeast (113.2°)
Position:	 -27.0732193,152.9165170	User tags:	No tags available



For a more detailed overview go to app.scopito.com/#/inspection/15176?image=6265800



1780759 Severity: 2 Corrosion

 **Remedy action:**

Monitor during future inspections.

Brian O'Hanlon:

Light oxidation on threaded rods.