

Aerial Drone Inspection: <REDACTED>, Hornsby 2077

Prepared by Chief Remote Pilot - Sean Pettinger ARN: 126805
REOC: 9207

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Summary

This report outlines operations conducted on the 28/6/25. Minor defects and points of interest were identified, including roof corner damage, deteriorated timber, and evidence of animal activity. A basic orthophoto has been provided for reference (shown below). Detailed imagery can be found attached in the associated PIX4D folders. (The far North-Eastern corner was unable to be accessed safely and excluded from this report)



Figure 1 Ortho mosaic made through PIX4D

Inspection Details

Date of flight	28/6/25
Drone platform used	DJI AIR 3S
Flight altitude	<100ft
Software used	N/A + PIX4D
Weather conditions	CAVOK

Findings and Observations

- **Hole in South-East and North-West Roof Edge**
 - High possibility of exacerbating water retention of roof if left untreated and possibility of animal infestation (has already occurred)
 - Recommendation – Refer to a professional roof repair company but likely needs to be Remedied within the next 3 months
- **Minor surface debris Blocking gutters**
 - Surface debris including (broken tile fragments, leaves, twigs and rock/cement fragments) are affecting drainage channels and potentially restricting proper drainage during rainfall.
 - Clearance of debris is recommended within the next 6-12 months
- **Deteriorating/missing Wooden panels (West)**
 - Exterior Panels along western Dormer top-plate and rafters are showing signs of deterioration (has already occurred)
 - Recommendation – Refer to a professional roof repair company but unlikely to present any immediate issue.
- **Guano Evidence (North-West)**
 - Fresh animal dropping were observed on the North -West side of the building, the droppings are clearly mammalian.
 - Recommendation – N/A
- **Damaged tiles (light damage)**
 - Possibility of exacerbating water retention of roof if left untreated and may lead to further damage.
 - Recommendation – Refer to professional roof repair company
- **Missing Exhaust Cover**
 - Missing Exhaust Cover, Possible animal entry point.
 - Recommendation – Replace

IMAGES

CORNERS

- SW corner of the building



Figure 2 Comments: Appears fine, extremely small amounts of debris but otherwise v.well maintained

CORNERS

- SE corner of the building



Figure 3 Comments: Clear hole and entry point for wildlife, Tile debris discolouration associated with animal residue

CORNERS

- NW corner of the building



Figure 4 Comments: V.Small hole and entry but appears to have been covered previously. May Need a bit of retouching though.

Ridge



Figure 5 Comments: No Significant Concern, Appears fine

Extrusions



Figure 5 Comments: All Extrusions appeared fine, only this one had a minor crack in the tile

Surface + Debris

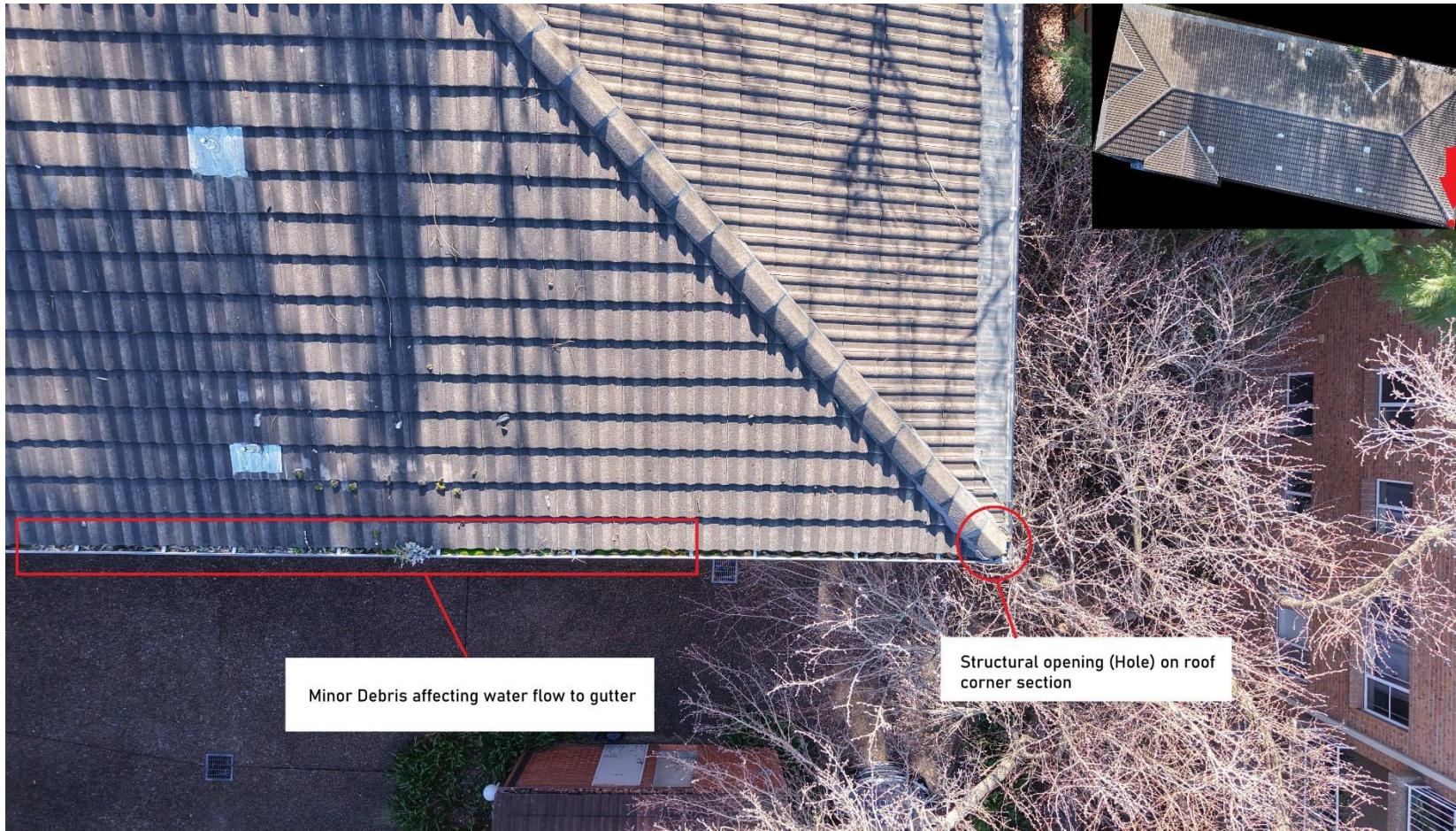


Figure 6 Comments: Some problematic debris is present on S side of building

Surface + Debris (2)



Figure 7 Comments Broken Tile and debris

Surface + Debris (3)

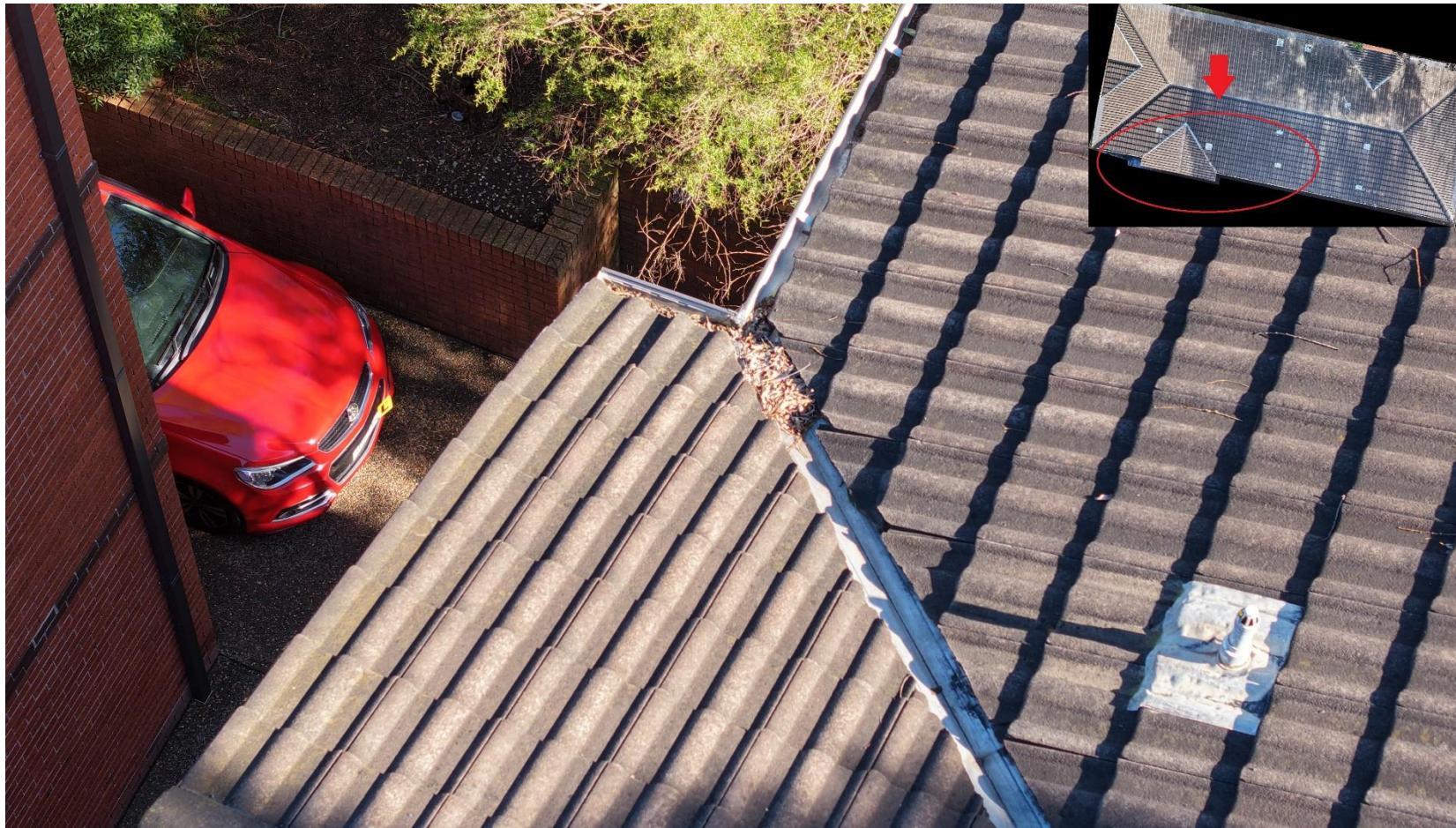


Figure 7 V. small amount of debris, but is present throughout the S and W side of the building

Structural damage/ Deterioration



Figure 8 Comments Slight damage affecting the exterior frame

POI Missing Exhaust Cover



Figure 9 Comments Missing Exhaust Cover

DISCLAIMER



Disclaimer:

This report has been prepared using visual data captured via a remotely piloted aircraft system (drone) for general informational purposes only. The orthomosaic and photographic outputs are not survey-grade and should not be used for precise measurement, design, or construction decisions.

The observations and findings provided are based solely on external visual inspection and do not constitute a structural assessment, roofing certification, or pest inspection. No invasive testing, physical access to the roof surface, or internal roof cavity inspection was conducted.

For accurate diagnosis, repair, or assessment of any identified issues, consultation with a qualified and licensed professional (e.g. roofer, builder, pest controller, or structural engineer) is strongly recommended. The author accepts no liability for decisions made based solely on the contents of this report.

Contact Information

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