

SAMPLE DOCUMENT. Every value in this report is illustrative. Identity fields are bracketed for replacement. Outstanding-field chips (TBD) are shown so you can see the control system – a real report ships with zero TBD chips visible. Client data never appears in a public sample.

[Site Name]

AERIAL MAPPING & DOCUMENTATION DELIVERABLE

CLIENT	JOB ID
[Client Name — Contact]	[BAM-2026-0000]
SITE / LOCATION	DATE OF CAPTURE
[Site Address], London, Ontario, Canada	[DD Month YYYY]
OPERATOR / PILOT	AIRCRAFT
Caleb Maudsley — RPOC OC2623804121	[DJI Mavic 2 Zoom]
HORIZONTAL REFERENCE	VERTICAL DATUM
EPSG:32617 — UTM Zone 17N	NONE ESTABLISHED — see Scope of Use
GROUND CONTROL	IMAGERY GSD (MEAN)
[None — GPS/EXIF only]	[X.XX cm/px]
PRODUCT RESOLUTION	
[5 cm/px (ortho, DSM, DTM — engine setting)]	

SCOPE OF USE

THIS DATA SUPPORTS	THIS DATA MUST NOT BE USED FOR
- Progress documentation and visual site record - Horizontal area measurement within a single flight - Relative object heights from the heights model (DSM – DTM), where the difference cancels the datum offset - Visual reference, coordination and marketing use	- Any quoted or absolute elevation - Volumes, cut/fill or stockpile quantities - Contours - Legal boundary determination - Engineering design or construction layout

ACCURACY & LIMITATIONS
This deliverable is relative mapping data. Horizontal geometry is internally consistent and carried in EPSG:32617 — UTM Zone 17N. No vertical datum is established. Elevation values in the DSM and DTM are ellipsoidal, are not referenced to CGVD2013 or any other vertical datum, and may differ from orthometric height by tens of metres. Accordingly, no elevation, volume, cut/fill quantity or contour derived from this dataset may be relied upon. Object heights taken from the heights model are differences between two surfaces and remain valid; absolute heights do not. This dataset is not survey-grade and does not replace a legal survey. Any use requiring geodetic accuracy must be independently verified by an Ontario Land Surveyor. Operator holds a valid Transport Canada RPAS Advanced Operations certificate (RPOC OC2623804121). Flight conducted under SOP-DRN-002 and all applicable CARs. [No RTK or PPK positioning was used on this capture. / RTK check points flown: ±X cm horizontal, ±X cm vertical — replace with the real statement.]

BUILDMODE AERIAL MAPPING

YOUR BUILD, FROM ABOVE

ORTHOPHOTO

[ORTHORECTIFIED MAP SHEET]

QGIS export · 300 dpi · scale bar + north arrow + UTM 17N grid
A real report carries the full-site mosaic here – 5 cm/px product

Fig 1 · Orthorectified mosaic – [Site Name] – [DD Month YYYY] – [X.XX cm/px]

CAPTURE MANIFEST

IMAGES CAPTURED	IMAGES USED	IMAGERY GSD	ALTITUDE	CAMERA / FOCAL	FORMAT
[000]	[000]	[X.XX cm/px]	[00.0] m AGL DERIVED	[DJI Mavic 2 Zoom (FC2204), 4000×3000]	JPEG

The manifest is where QA catches what flight apps miss — frames at two focal lengths, a zoom airframe that reset between visits, GSD drift. Anything unusual about the capture is flagged here in plain language, before you rely on the data.

CAPTURE GEOMETRY

PARAMETER	VALUE	SOURCE
Mean altitude above local ground	[00.0] m AGL DERIVED	[000] camera stations vs DTM median
Altitude range / hold	[00.0 – 00.0] m, sd [0.0] m DERIVED	[000] camera stations
Flight lines	[0], bearing [000.0°] DERIVED	Station geometry
Line spacing	[00.0] m DERIVED	Station geometry
Shot spacing along track	[00.0] m DERIVED	Station geometry
Image footprint on ground	[00.0] m × [00.0] m DERIVED	Altitude × focal
Forward overlap	[~00%] DERIVED	Spacing vs footprint
Side overlap	[~00%] DERIVED	Line spacing vs footprint
Capture window	[00:00:00 – 00:00:00, 00.0 min]	EXIF capture times
Capture cadence	[1 frame / 0.0 s] DERIVED	EXIF capture times

Values marked DERIVED are computed from the reconstructed camera stations and the terrain model in this dataset. They describe what the aircraft actually did, not what the mission was planned to do. Confirm against the flight log before quoting them.

FLIGHT LOG SUMMARY

PARAMETER	VALUE
Flight plan / pattern	[0-line grid, bearing 000.0°] DERIVED
Overlap	[~00% front, ~00% side] DERIVED
Total flight time	[00.0] min DERIVED
Batteries used	OUTSTANDING · FRM-DRN-002
Wind	[00] km/h — within SOP minima
Cloud cover	[0]/8
Temperature	[00] °C
Preflight checklist	Complete — FRM-DRN-002
Site hazards	OUTSTANDING · FRM-DRN-002

TBD chips mark values still outstanding at issue time. A deliverable never ships with one visible.

PARAMETER	VALUE
Engine	[WebODM / ODX 3.8.3 (OpenMVS 2.2.0)]
Preset	[DSM + DTM]
Options applied	[auto-boundary=true, dsm=true, dtm=true, orthophoto_resolution=5, dem_resolution=5, pc_quality=medium, feature_quality=high]
Processing time	[00.0] min
Ground control	[None — GPS/EXIF only]

QUALITY METRICS

Metric	Value	Basis	Status
Images aligned	[000 of 000]	Reconstruction report	[00.0%] — OK
Reprojection error	[0.00 px]	Reconstruction report	OK
Point cloud density	[00,000,000 pts (000.0 pts/m²) over 00.00 ha]	Dense cloud	—
Check points	[None observed / X observed]	[No independent control]	[Not verified / ±X cm]
Sparse points recovered	[000,000 of 000,000 (00.0%)]	ODX quality report	OK
Average track length	[0.00 images]	ODX quality report	OK
Camera-position fit to GPS (RMS)	[X 0.000 · Y 0.000 · Z 0.000 m — total 0.00 m]	ODX quality report	see note
Tie-point residual (RMS)	[X 0.000 · Y 0.000 · Z 0.000 m — total 0.000 m]	ODX quality report	OK

RASTER SPECIFICATIONS

PRODUCT	DIMENSIONS	PIXEL SIZE	BANDS	CRS
Orthophoto	[0000 × 0000 px]	[5.00 cm]	[4 (RGB + alpha)]	EPSG:32617
DSM	[0000 × 0000 px]	[5.00 cm]	[1 (float32)]	EPSG:32617
DTM	[0000 × 0000 px]	[5.00 cm]	[1 (float32)]	EPSG:32617
Heights (DSM – DTM)	[0000 × 0000 px]	[5.00 cm]	[1 (float32)]	EPSG:32617

BUILDMODE AERIAL MAPPING

YOUR BUILD, FROM ABOVE

DELIVERABLES INCLUDED

FILE	FORMAT	WHAT IT IS
[Site_YYYY-MM-DD_ortho.tif]	GeoTIFF	Orthorectified aerial mosaic, 5 cm/px product from [X.XX] cm/px imagery
[Site_YYYY-MM-DD_dsm.tif]	GeoTIFF	Digital Surface Model — top of everything, including roofs, trees and plant. Relative only
[Site_YYYY-MM-DD_dtm.tif]	GeoTIFF	Digital Terrain Model — ground surface with above-ground objects removed. Relative only
[Site_YYYY-MM-DD_heights.tif]	GeoTIFF	Heights model (DSM – DTM) — height of objects above local ground. Datum-independent
[Site_YYYY-MM-DD_cloud.laz]	LAZ	Dense point cloud, [00,000,000] points ([000] pts/m ²), for CAD/GIS import
[Site_YYYY-MM-DD_processing.pdf]	PDF	[ODX 3.8.3] processing report — camera model, overlap map, residuals
[BAM-2026-0000_Deliverable-Report_v1.pdf]	PDF	This document

Raster and cloud files follow Site_YYYY-MM-DD_product. Controlled documents follow BAM-YYYY-NNNN_Location_Descriptor_vN. Two conventions, two purposes — do not mix them.

FILE INTEGRITY

Checksums generated at export and verified on receipt. Any mismatch invalidates the file.

FILENAME	SIZE	SHA-256
[Site_YYYY-MM-DD_ortho.tif]	[000.0 MB]	[checksum truncated for sample]
[Site_YYYY-MM-DD_dsm.tif]	[000.0 MB]	[checksum truncated for sample]
[Site_YYYY-MM-DD_dtm.tif]	[000.0 MB]	[checksum truncated for sample]
[Site_YYYY-MM-DD_heights.tif]	[00.0 MB]	[checksum truncated for sample]
[Site_YYYY-MM-DD_cloud.laz]	[000.0 MB]	[checksum truncated for sample]

DELIVERY & RETENTION

Delivered via [delivery method] on [date]. Project records and deliverables retained for **seven years** per OM-001 §07. Raw imagery is retained on external media and referenced by manifest, not stored in the records tree.

SIGN-OFF

ROLE	NAME	SIGNATURE	DATE
Operator / Pilot	Caleb Maudsley	_____	_____
Processing & QA review	Caleb Maudsley	_____	_____
Client receipt (optional)	—	_____	_____

CONTROLLED DOCUMENT · FRM-DRN-006 Deliverable Report · Template Rev 1.3
Governed by OM-001 §07 (records) and §11 (accuracy) · SOP-DRN-002 §08
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