VERTICAL RECON

Canal reach seepage thermography

SPECIMEN DELIVERABLE SET · DEMONSTRATION DATA THROUGHOUT

Every engagement ends in a documented deliverable set. What follows are specimen plates — demonstration data, built to the standards and formats you receive.

SET	PLATES	REACH	FOR
01 · Canal seepage thermography	06	Reach D-2 · 10+00–30+00	Irrigation district boards

WINDOW	BANDS	REFERENCE	RANKING
Dawn	Thermal 8–14 µm · visible	Station + offset, local	By thermal difference

SAMPLE DELIVERABLE · NOT FOR RELIANCE

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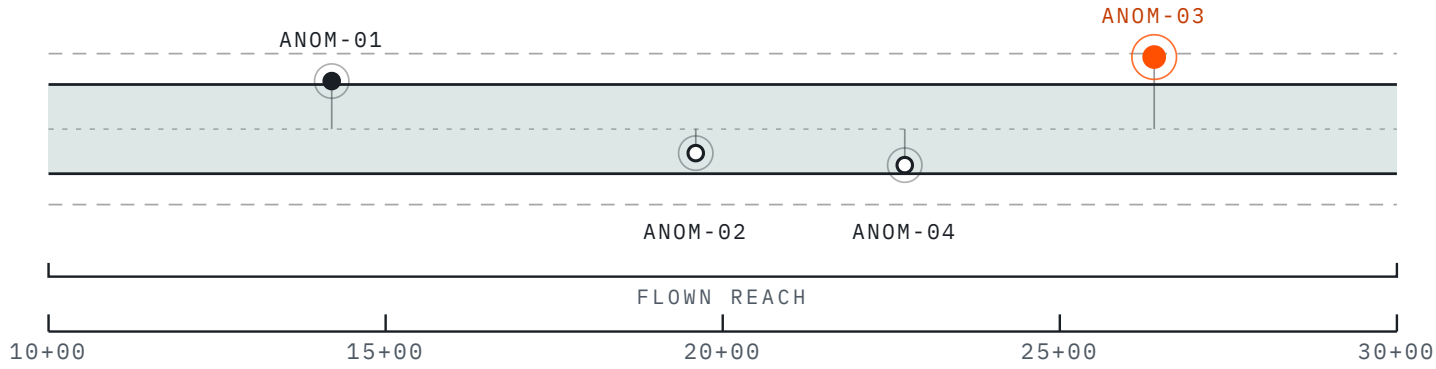

Candidates located by station and offset along the reach.

PDF KMZ

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ANOMALY REGISTER · REACH 10+00–30+00

ID	STATION	OFFSET	ΔT °C	SEVERITY	STATUS
ANOM-03	26+40	6 m L	4.2	High	☐ Verify on ground
ANOM-01	14+20	4 m L	3.1	Moderate	☐ Verify on ground
ANOM-02	19+60	2 m R	2.4	Low	☐ Verify on ground
ANOM-04	22+70	3 m R	0.9	Low	☐ Verify on ground

Ranked by thermal difference, every row flagged for ground verification.

One row per candidate, worst first, with the flag it ships under.

CSV GEOPACKAGE

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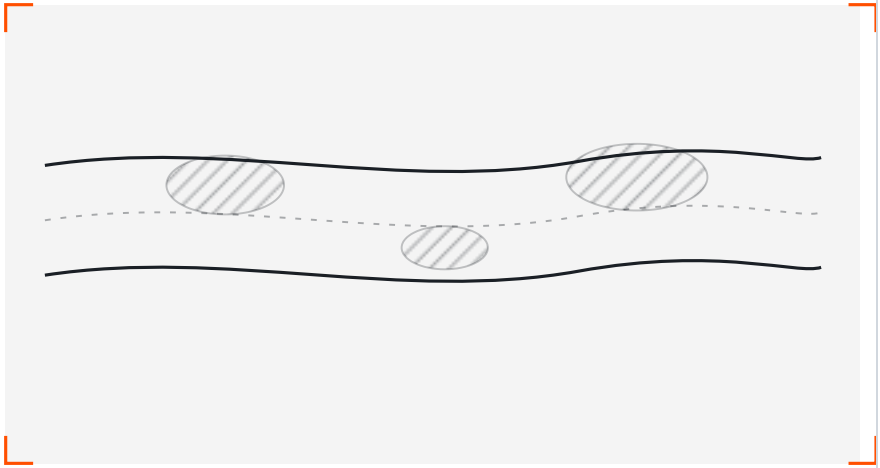
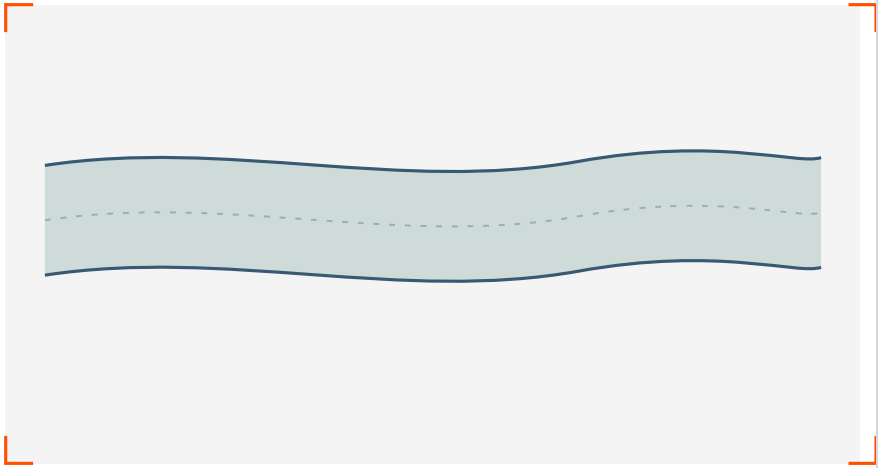
Thermal · 8–14 µm



Visible · same pass



REGISTERED TO ONE ANOTHER · 4 CANDIDATES CARRIED ACROSS

The same reach in both bands, from the same pass over the same ground.

GEOTIFF

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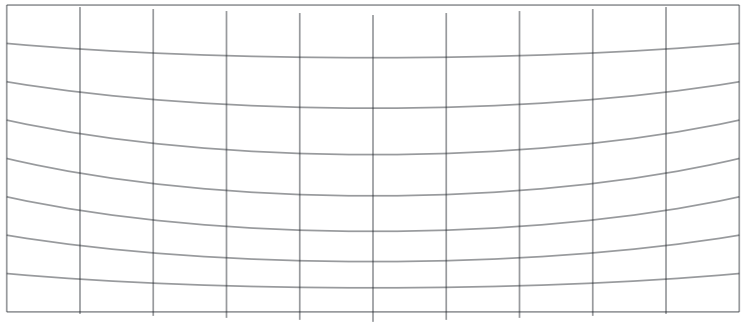
SECTION AT STATION

SHAPE ONLY · NO DATUM · NO ELEVATIONS
VERTICAL EXAGGERATION APPLIED

SURFACE MODEL

PHOTOGRAMMETRIC · NOT LIDAR



Bank and channel geometry, for cross-sections and for the next flight.

DSM LAZ

SAMPLE DELIVERABLE · NOT FOR RELIANCE

Canal reach seepage thermography

SITE	[SITE — UNASSIGNED]
REACH	[STATION RANGE]
CAPTURE DATE	[SET AT CAPTURE]
CONDITIONS	[LOGGED AT CAPTURE]
SENSORS	640×512 RADIOMETRIC THERMAL · 48 MP VISIBLE
METHOD	RADIOMETRIC THERMOGRAPHY, NADIR WITH LIMITED OBLIQUE
SET	COVER · METHOD · CONDITIONS · FINDINGS · LIMITATIONS

Conditions on the day, settings logged, and the limits of the result.

PDF

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REFERENCE	[COORDINATE REFERENCE SET AT PROJECT START]
PROCESSING	[SOFTWARE AND VERSION LOGGED PER PROJECT]
ARCHIVE	BASELINE RETAINED FOR RE-FLIGHT COMPARISON

DELIVERABLE FORMATS

PRODUCT	FORMAT	CONTENTS
Thermal orthomosaic	GeoTIFF	Georeferenced thermal raster of the reach
Visible orthomosaic	GeoTIFF	Georeferenced visible-light raster, same extent
Surface model	DSM · LAZ	Photogrammetric — from overlapping camera capture
Anomaly register	CSV · GeoPackage	Numbered anomalies by canal name, station and offset, plus coordinates; ΔT, severity, flag
Map package	KMZ	Anomaly points and reach extent for the district GIS
Report	PDF	Cover, method, conditions, findings, limitations

What lands in the folder, and in what.

PDF

SAMPLE DELIVERABLE · NOT FOR RELIANCE

What this document is, stated precisely.

VERIFICATION

A thermal signature marks a place to look. Confirmation is a ground check, and every anomaly ships flagged for one.

NOT SURVEY WORK

No output is a boundary, a benchmark, or an authoritative survey. Mapping and modeling are supplied for informational and relative use. Legal elevation or boundary work is performed by a licensed Idaho professional land surveyor.

NO GENERATED FINDINGS

We do not use generative tools to produce or alter inspection findings. Processing applied to a deliverable is stated in the report. Synthetic content is never presented as captured evidence.

PHOTOGRAMMETRIC, NOT LIDAR

Models built from our capture are photogrammetric. The airframe carries no LiDAR, and we say so rather than blur the word.

WRITTEN CONSENT

Every flight is flown under written authorization from the owner or the district.

LOCATION, NOT VOLUME

The scan locates and ranks probable seepage. It does not measure water volume.