

# WAIKATO PGF LIDAR PROJECT

## Newsletter

### From the Project Team

Although the aerial and ground survey programmes for the PGF LiDAR project will not commence until November, the project team has been busy with a number of preparation workstreams.

iXblue (who won the contract for the provision of the Waikato LiDAR data set) are an Australian company although they do have a NZ presence. As you can imagine, they are closely monitoring the travel situation between Australia and NZ and working on mitigations should travel restrictions remain an issue in November.

The most exciting recent development was the delivery of the sample data set. This allows all parties to test their quality control processes. You can read more about this elsewhere in this newsletter.

iXblue have also been busy putting together the full programme plan. This includes flight planning with some impressive statistics! The total aerial survey for the Waikato region will be 532 separate flight lines covering an estimated 25,791 km !

Kind Regards

Rolf Boswell (WLASS), Bryan Clements (WRC), Matt James (iXblue), Stuart Paisley (iXblue)

### Cross Region Collaboration

In parallel with the iXblue contracted work, the Waikato project team is closely involved in a cross-regional initiative aimed at national consistency. This includes representatives from all eight regions involved (so far) in PGF LiDAR project, together with LINZ, and is led by an independent project manager.

The first undertaking relates to data QA/QC and will be followed later by work on data storage and access.

A robust series of tests are being documented, with fundamental testing being led by LINZ and regions adding fit-for-purpose checks.

### Waikato Flight Plan

Check out the 532 flight lines covering 25,791km!

### Sample Data Received

As reported in the previous update, iXblue did make a start with the aerial survey in Hawkes Bay before the Covid19 lockdown ended operations.

The sample data process is a joint Hawke's Bay-Waikato initiative and we recently received this data.

LiDAR data processing is complex process and this was the first chance for all parties to test and develop processes. We believe this was the first data received in the wider PGF project across the New Zealand.

The sample data set was initially rejected by LINZ for failing some of the many QC tests. The issues relate to the processing of the data and will require adjustments to the processing to meet the specifications. Rather than be of concern to the project, iXblue has fully engaged to understand and resolve the problems early, so we do not experience those problems over the production data set.

It was also reassuring to see LINZ were engaged promptly and thoroughly in the QC process.

### CoFunders

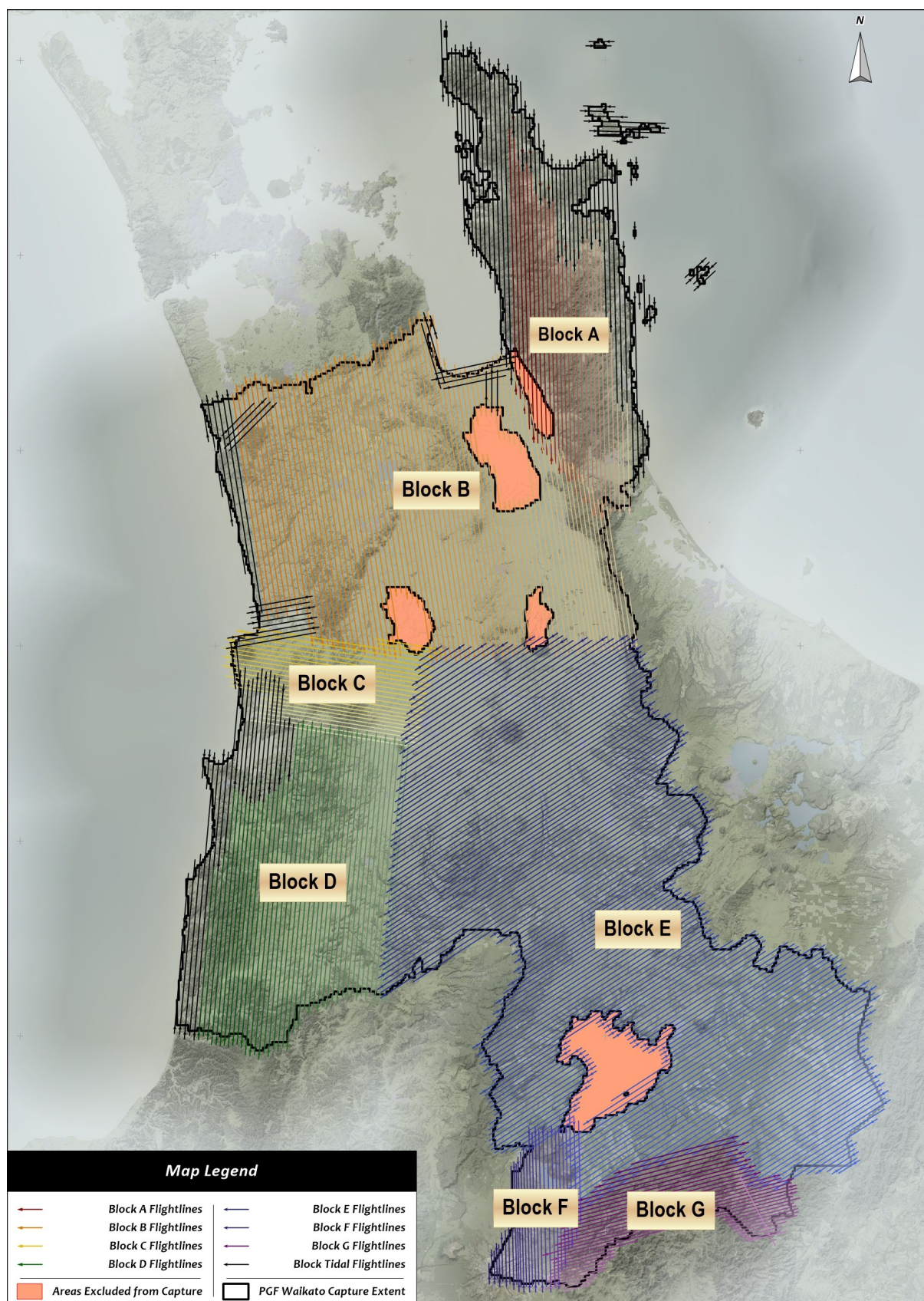
We are pleased to confirm that we have support from five organisations who have generously agreed to support this regional project.

- Environmental Research Institute (Waikato University)
- Earthquake Commission
- Mercury NZ Limited
- Waikato River Cleanup Trust
- WEL Networks

We appreciate their support.

### Key Project Milestones

- November 2020: Mobilisation of aerial & ground survey.
- February 2021: Completion of ground survey.
- May 2021: Completion of aerial survey.
- October 2022: Delivery of full data set.



### How can I found out more?

Email us on [info@waikatolass.co.nz](mailto:info@waikatolass.co.nz)

### Feedback?

We would love to receive your feedback about this newsletter. You can do this by emailing us at [info@waikatolass.co.nz](mailto:info@waikatolass.co.nz)