

## STATUS REPORT

2014 San Diego Imagery and Lidar Project  
February 2015

The 2014 San Diego imagery and lidar project is progressing well across the region. The vendor team is submitting month progress reports for their work and USGS recently received their January 2015 report. Aerial photography and lidar acquisition was undertaken in November and December, with the initial collection completed on December 29. January was the first month with the vendor team's primary focus on data processing. The details from their January report is shown here.

### Summary of work completed during reporting period:

- Completed initial acquisition for lidar – Including buy up areas
- Identified during calibration processing corrupt data that is unrecoverable, which requires reflight of one mission for lidar over Camp Pendleton
- Continued initial lidar calibration processing of all missions
- Completed acquisition for imagery including reflights
- Submitted sample image frames for review of tone/color balance
- Completed A/T for both 4" and 1' areas

### Outstanding issues and concerns:

- Identified one mission of lidar data that is corrupt, and requires a reflight over Camp Pendleton

### Activities Planned Next Month:

- Complete reflights for LiDAR over Camp Pendleton
- Continue initial processing of data for lidar
- Deliver Lot 5 – Digital Stereo Pairs

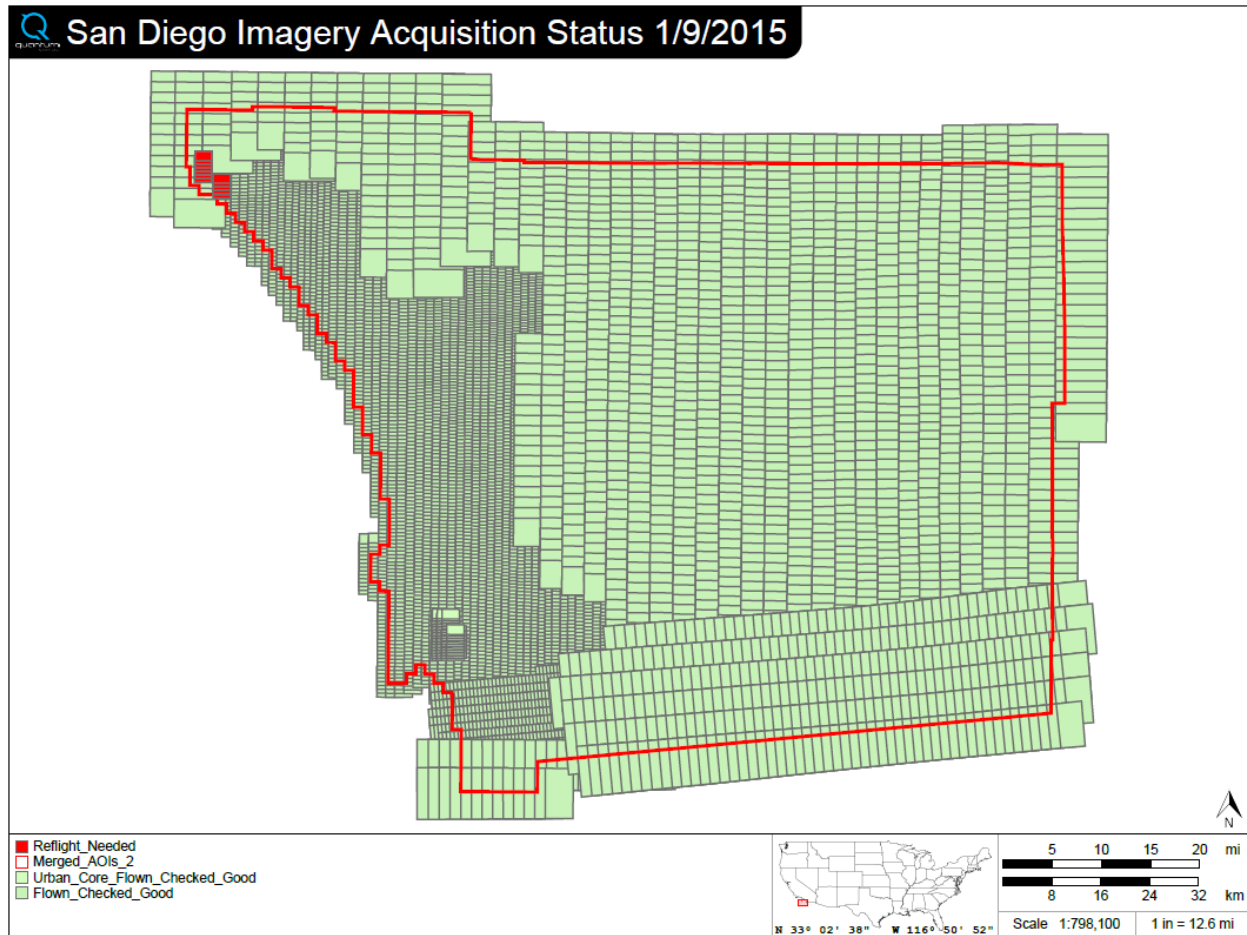
### Delivery Timeline:

Task & Sub-Task	Percent Complete	Due
Lot 1 - Kick Off Meeting	100%	10/10/2014
Lot 2 - Imagery Acquisition	100%	02/27/2015
Lot 3 - LiDAR Acquisition	99%	02/27/2015
Lot 4 - Ground Control	100%	12/02/2014
Lot 5- Digital Stereo Pairs	95%	3/30/2015
Lot 6- Pilot LiDAR Pilot	0%	4/15/2015
Lot 7- 10cm (4") Digital Orthophotography	10%	6/15/2015
Lot 8 - 30cm (1') Digital Orthophotography	5%	7/15/2015
Lot 9 - LiDAR Data	5%	6/15/2015
Lot 10 - Final Data Set Copies		8/15/2015
USGS Final Acceptance		8/30/2015

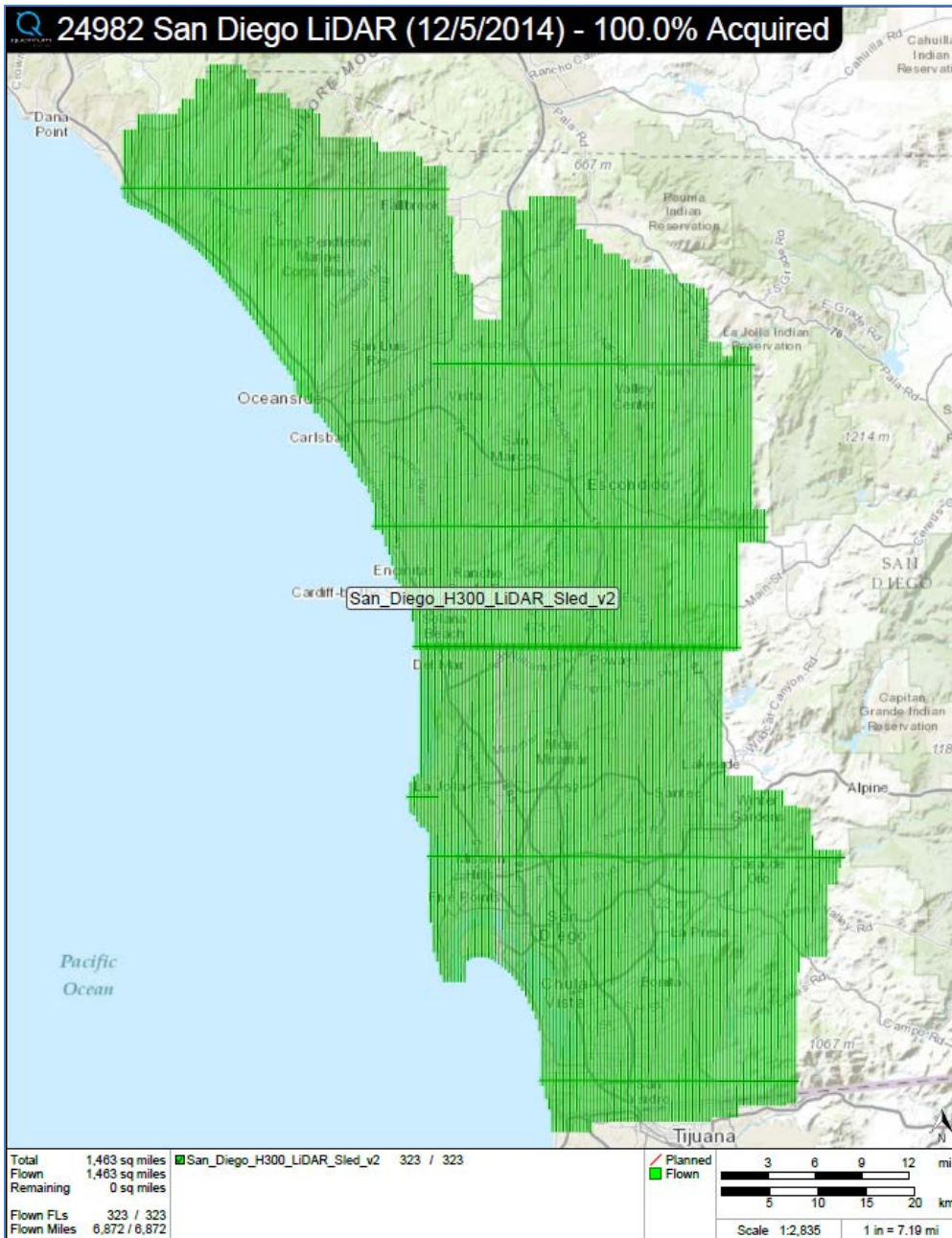
### Data Acquisition Footprints:

The vendors also provided graphics showing the footprints of the products they collected. The three images below show the footprints for the (1) four inch and one foot imagery, (2) lidar, and (3) additional lidar added for southern San Diego Bay and in the border area. The imagery graphic shows several photo frames needing reflights in the northwest corner of the County. These have been recollected, with one reflight needed for a lidar mission in Camp Pendleton.

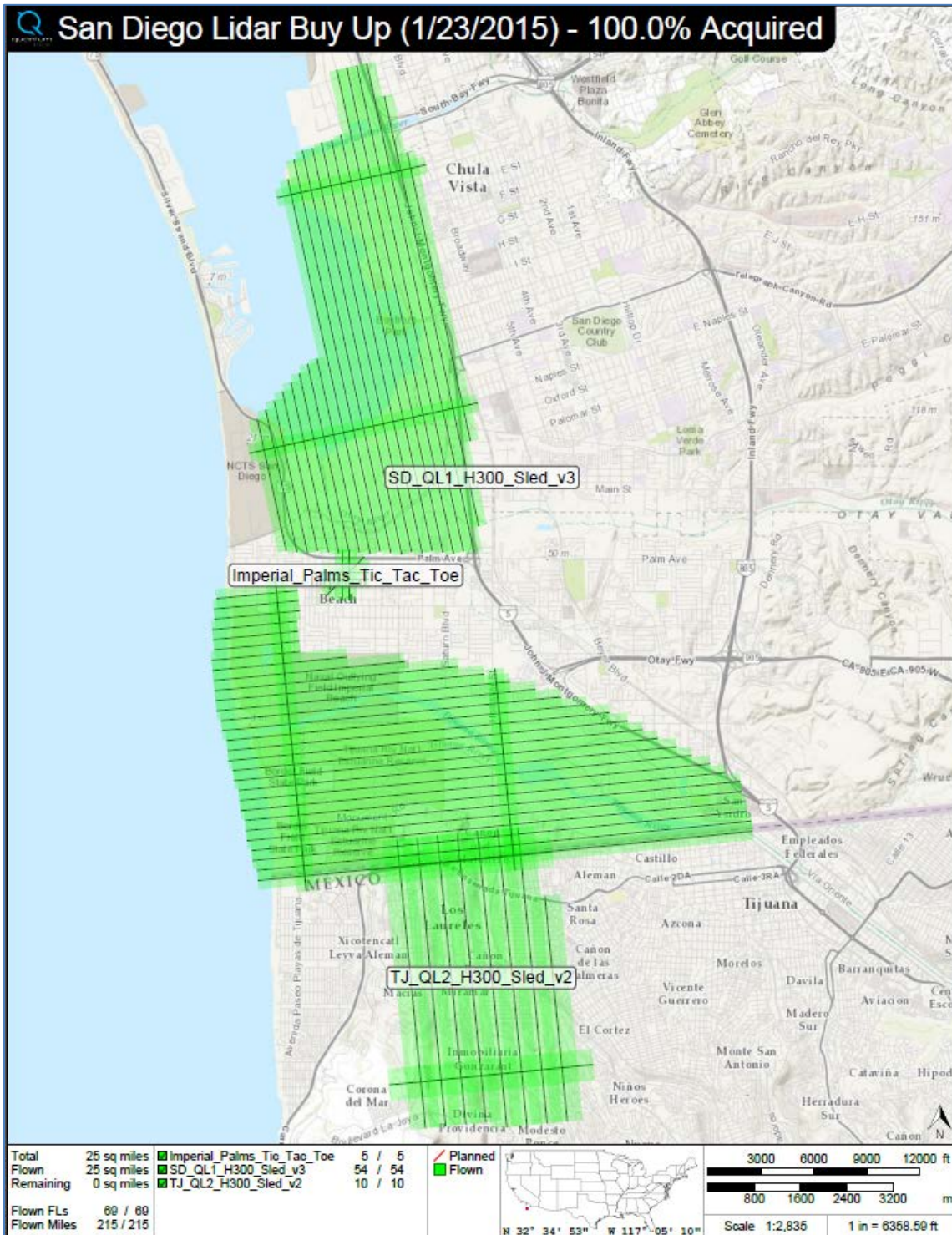
All products will be in the public domain, with exceptions for certain products over military properties.



**Figure 1.** This illustration shows the aerial photograph footprints as collected across the project area. Both one foot (rural area) and four inch (urban and coastal areas) resolutions are shown. The graphic shows a group of images in the northwest corner of the County that needed to be recaptured. These photos have been corrected as of February 2015. The differing sizes of the images frames (depending on resolution), image overlap, and frame footprints extending slightly beyond the project boundary are evident.



**Figure 2.** This shows the completed lidar acquisition over the urban portion and coastal portion of San Diego County as originally planned. Lidar collected as a QL2 (minimum two points per square meter) product. One of the missions over Camp Pendleton was recently found to have errors and will be reflown.



**Figure 3.** An additional partner, the Southwest Wetlands Interpretive Association (SWIA), requested a more dense (QL1 – eight points per square meter) lidar collection for the Tijuana River Estuary and portions around southern San Diego Bay. They also collected a small region within Tijuana at the QL2 level collected for the majority of the project. This lidar will also be available in the public domain.