

> Presented to: Los Angeles Region Imagery Acquisition Consortium

LAR-IAC Status Meeting **Project Status Overview**




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LOS ANGELES REGION
LAR|IAC
imagery acquisition consortium

> Progress Meeting Infotech
Creating Business Impact
The Geospatial Experts

Purpose of Meeting:

- Project Overview
- Review Current Project Status
- Schedule Compliance
- Expectations for Upcoming Production Tasks
- Questions and Answers Session

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Project Overview

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> Project Summary Infotech
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Summary of Project:

Area #1 (Urban Area)

- Project area covers approx 2,900 sq. miles
- Color & CIR Digital Aerial Imagery Acquisition
- 4" Color & CIR Digital Ortho Imagery
- LiDAR Acquisition
- Digital Terrain Model/Digital Surface Model
- 2' Contours

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> Project Summary

LAR-IAC Project Area #1 (Urban 4-inch Ortho)

EXHIBIT C1
Project Area #1: Urban 4-inch Ortho

LEGEND:
 [Red Hatched Area] Project Area #1: Urban 4-inch Ortho
 [Yellow Area] Project Area #2: National Forest
 [Green Area] Project Area #3: Catalina Island

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> Project Summary

Summary of Project:

Area #2 (National Forest)

- Project area covers approx 1,050 sq. miles
- Color (& CIR) Digital Aerial Imagery Acquisition
- Color (& CIR) Digital Ortho Imagery
- Digital Terrain Model/Digital Elevation Model
- 4' Contours (5' contour accuracy)

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> Project Summary

LAR-IAC Project Area #2 (Forest Areas 1-Foot)

EXHIBIT C1
Project Area #2: Digital Aerial Imagery Acquisition, Color and LiDAR National Forest

LEGEND:
 [Green Hatched Area] Project Area #2: Digital Aerial Imagery Acquisition, Color and LiDAR National Forest
 [Yellow Area] Project Area #1: Urban 4-inch Ortho
 [Green Area] Project Area #3: Catalina Island

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> Project Summary

Summary of Project:

Area #3 (Catalina Island)

- Project area covers approx 75 sq. miles
- Color (& CIR) Digital Aerial Imagery Acquisition
- Color (& CIR) Digital Ortho Imagery
- LiDAR Acquisition
- Digital Terrain Model/Digital Surface Model
- 2' Contours

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> Project Summary

LAR-IAC Project Area #3 (Catalina Island)

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Current Project Status

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> Current Project Status

Geodetic Control -100% completed

Accomplishments :

- 335 Total Ground Control Points (GCPs) in project area
- Dual Frequency GPS Receivers Used
- All GCPs are paneled or painted to be visible in aerial photography

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> Current Project Status

LAR-IAC Ground Control Point Locations



> Current Project Status

Digital Aerial Image Acquisition – 99.8% completed

- Three (3) state-of-the-art digital sensors (DMC)
- Color and CIR Digital Aerial Imagery Acquisition
- 3,000' above mean terrain for Urban Area, Catalina Island
- 9,000' above mean terrain for National Forest
- 3 distinct regions, allocated to individual team members



> Current Project Status

Digital Aerial Image Acquisition (Area 1)
 Accomplishments

- 99.96% of the imagery acquired on schedule

Challenges

- Air Quality
- Corrupt imagery for @ 80 frames in Area 1
- Small area within the southern portion of the County needed to be recollected

Solutions:

- Maintain 1 DMC in the area
- Diligence and some clearing weather



> Current Project Status

Digital Aerial Image Acquisition (Area 2)
 Accomplishments

- 100% of the imagery acquired on schedule
- No Major Issues

Challenges

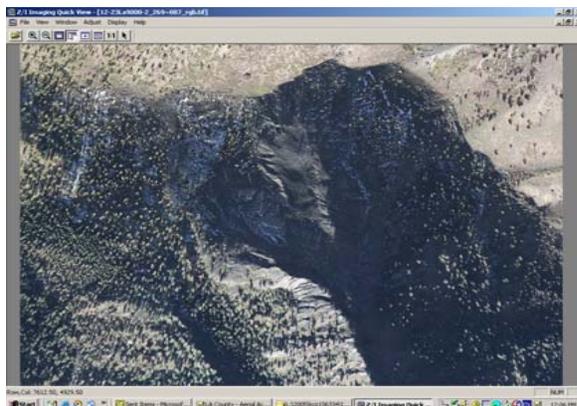
- Air Quality
- Minor snow coverage

Solutions:

- Reviewed the few tiles with TAG and received approval to proceed.



> Current Project Status





> **Current Project Status**

Digital Aerial Image Acquisition (Area 3)

Challenges:

- Corrupt imagery files for a portion of the Island (40 frames)
- Cloud cover – Bad Weather Conditions
- Approximately 20% of the island needs to be recollected

Solutions:

- 1 DMC still in the area
- Diligence and clearing weather



> **Current Project Status**

Image processing

- Area 1
 - 93% complete
- Area 2
 - 100% Complete
- Area 3
 - 80% Complete
 - Unable to complete until acquisition





> **Current Project Status**

LiDAR Acquisition -100% completed:

- Project Area 1 and 3 only
- Two (2) state-of-the-art sensor ALS50
- 9,500' above mean terrain
- LiDAR will be acquired for Urban Area and Catalina Island

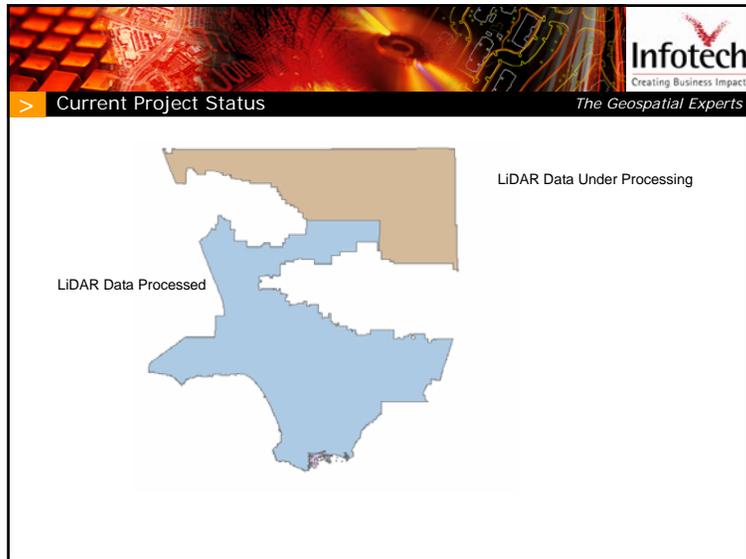


> **Current Project Status**

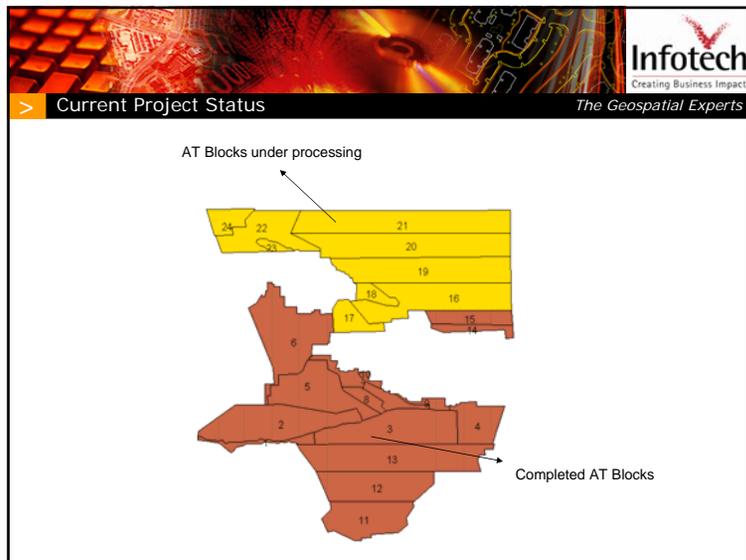
LiDAR Processing – 85% completed:

- Boresighting – 100%
- Autofilter – 100%
- Hand-editing – 55%

LiDAR is on pace to be completed within 14 days



- > Current Project Status *The Geospatial Experts*
- Aerotriangulation Status:**
- Area 1
- 70% Complete
 - Complete by mid June
- Area 2
- 100% Complete
- Area 3
- 0% complete
 - Cannot start until recollection of imagery is complete



- > Task Preparation *The Geospatial Experts*
- Breakline Generation**
- Started breakline generation Area 1.
 - 5% complete
- Digital Terrain and Surface Model:**
- Set to Begin end of May
 - End of June Delivery
- Contour Generation:**
- Set to begin upon delivery and QC acceptance of LiDAR
 - Deliveries in June

