



## LiDAR Project - Status Update

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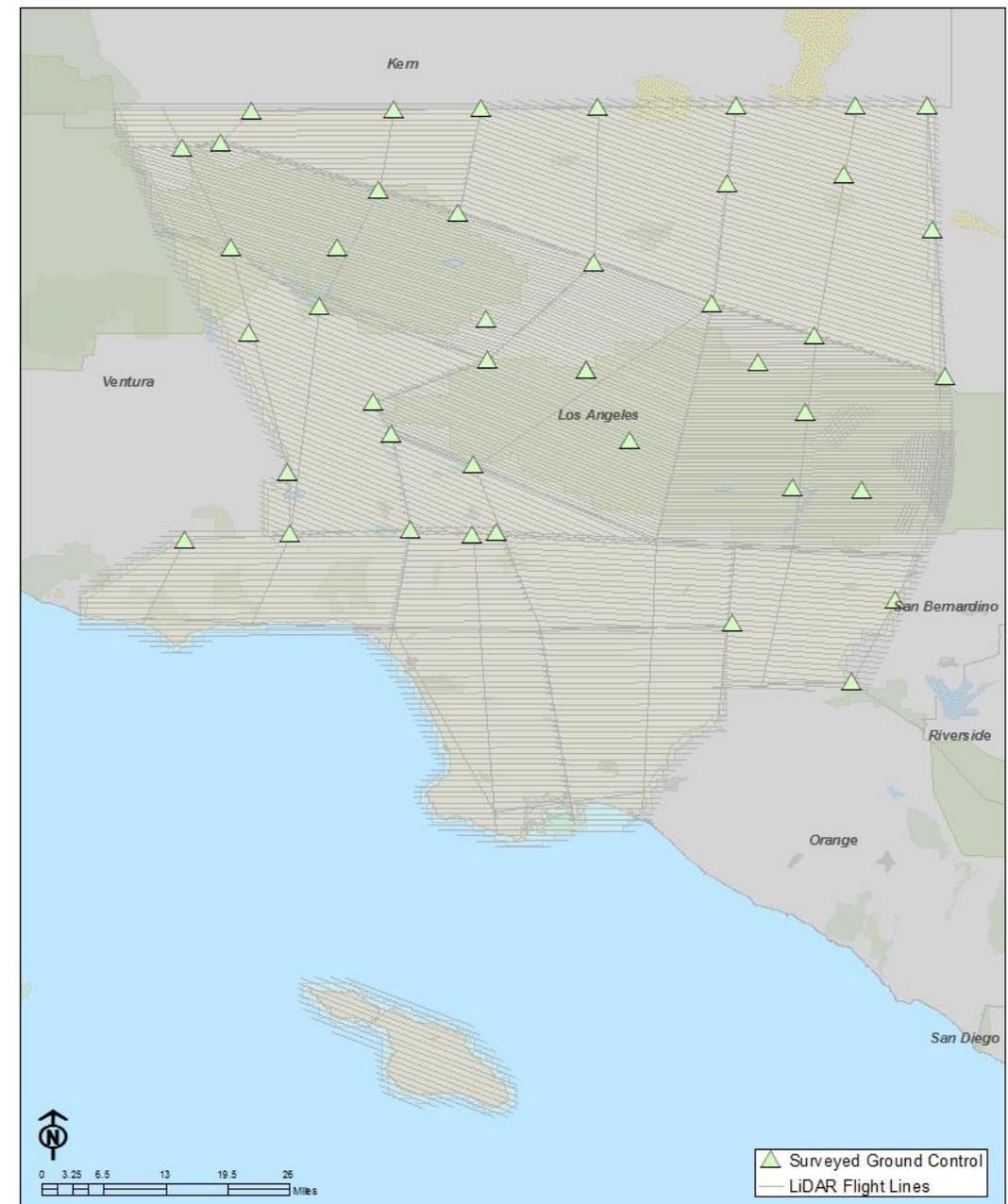
# LiDAR Project Overview – Current Status

- Task 1: Survey Planning - **COMPLETED**
- Task 2: Ground Control Survey – **COMPLETED**
- Task 3: Data Acquisition – **COMPLETED**
- Task 4: Data Processing – **COMPLETED**
- Task 5: Classification – **75% COMPLETE**
- Task 6: Formal Quality Control – **UNDERWAY**
  - Accuracy Verification
- Task 7: Terrain Mapping – **UNDERWAY**
  - DEM/DSM/Contours
- Task 8: Final Quality Review and Delivery – **SEPTEMBER - NOVEMBER**



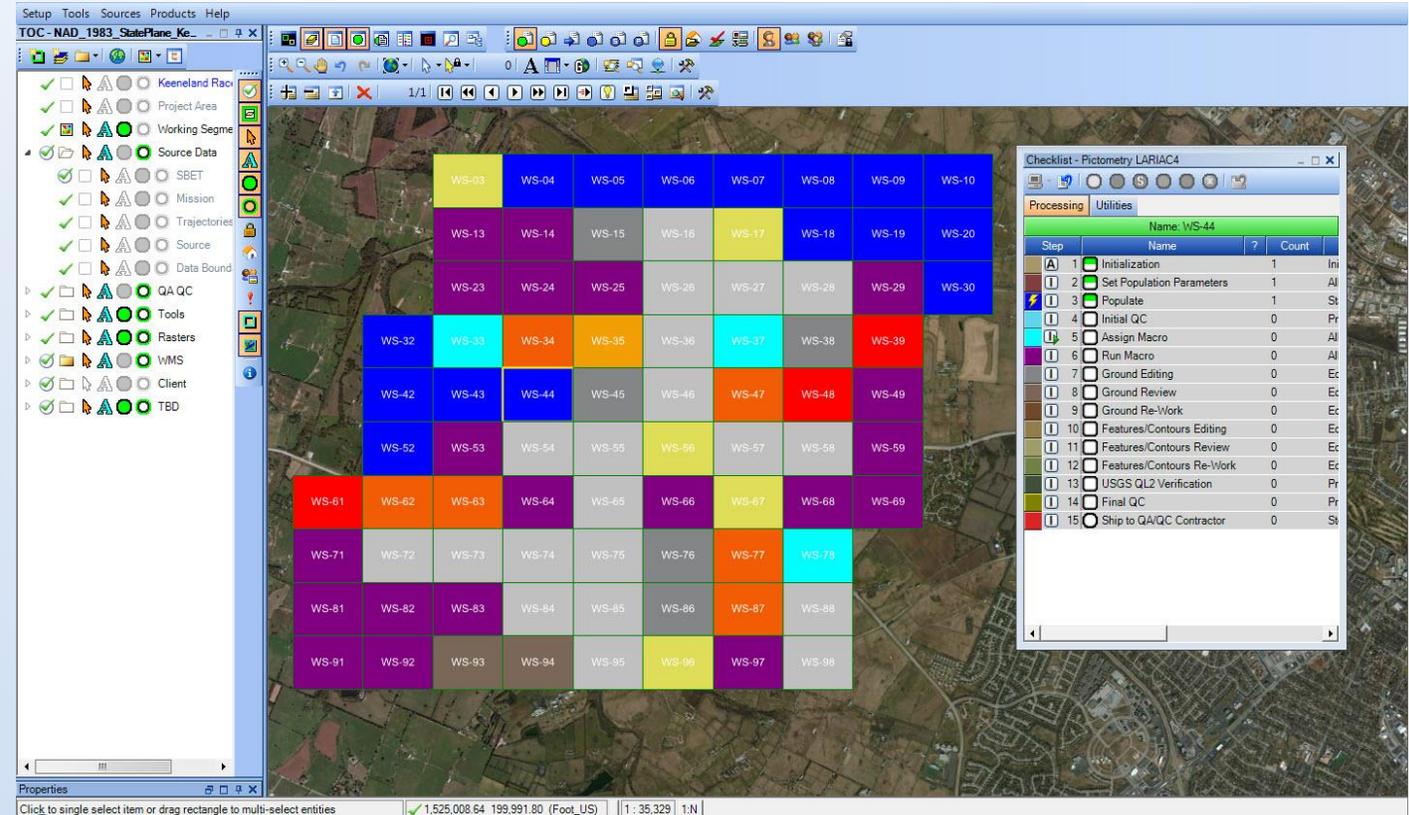
# Completed Tasks

- **Task 2: Ground Survey**
  - Completed
- **Task 3: LiDAR Data Acquisition**
  - Completed March 2016
- **Task 4: Data Processing**
  - Applanix PosPac
    - Trajectory Post Processing
  - Optech LMS
    - Laser Mapping Suite
    - Calibration and Matching
    - Completed June 2016



# Current Tasks

- Task 5: Classification
  - GeoCue
    - Manage Classification Process through TerraSolid
  - LP360
    - Quality Review and Reporting
    - 75% Complete
    - Scheduled to complete in August 2016



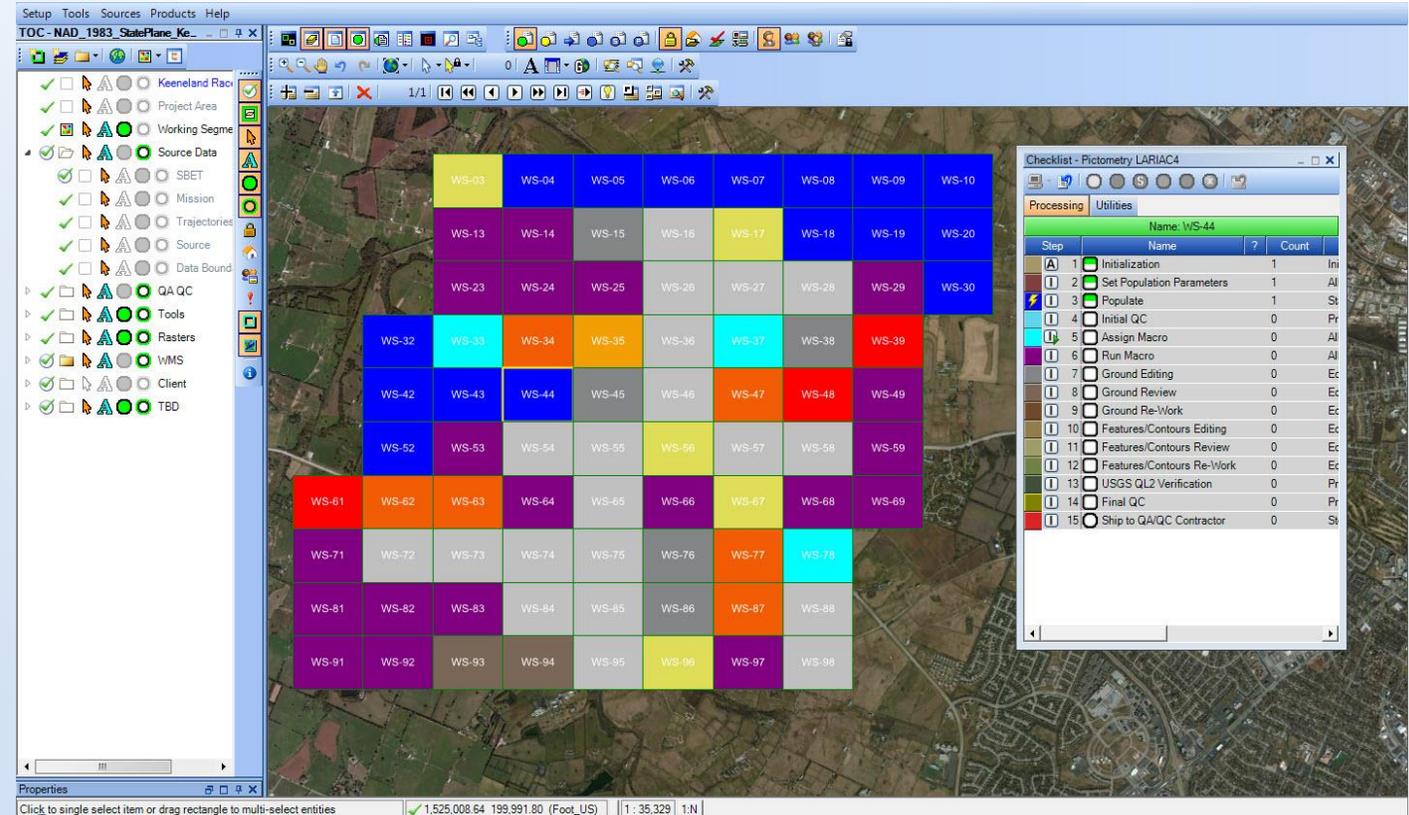
# Current Tasks

## ■ Task 6: Quality Control

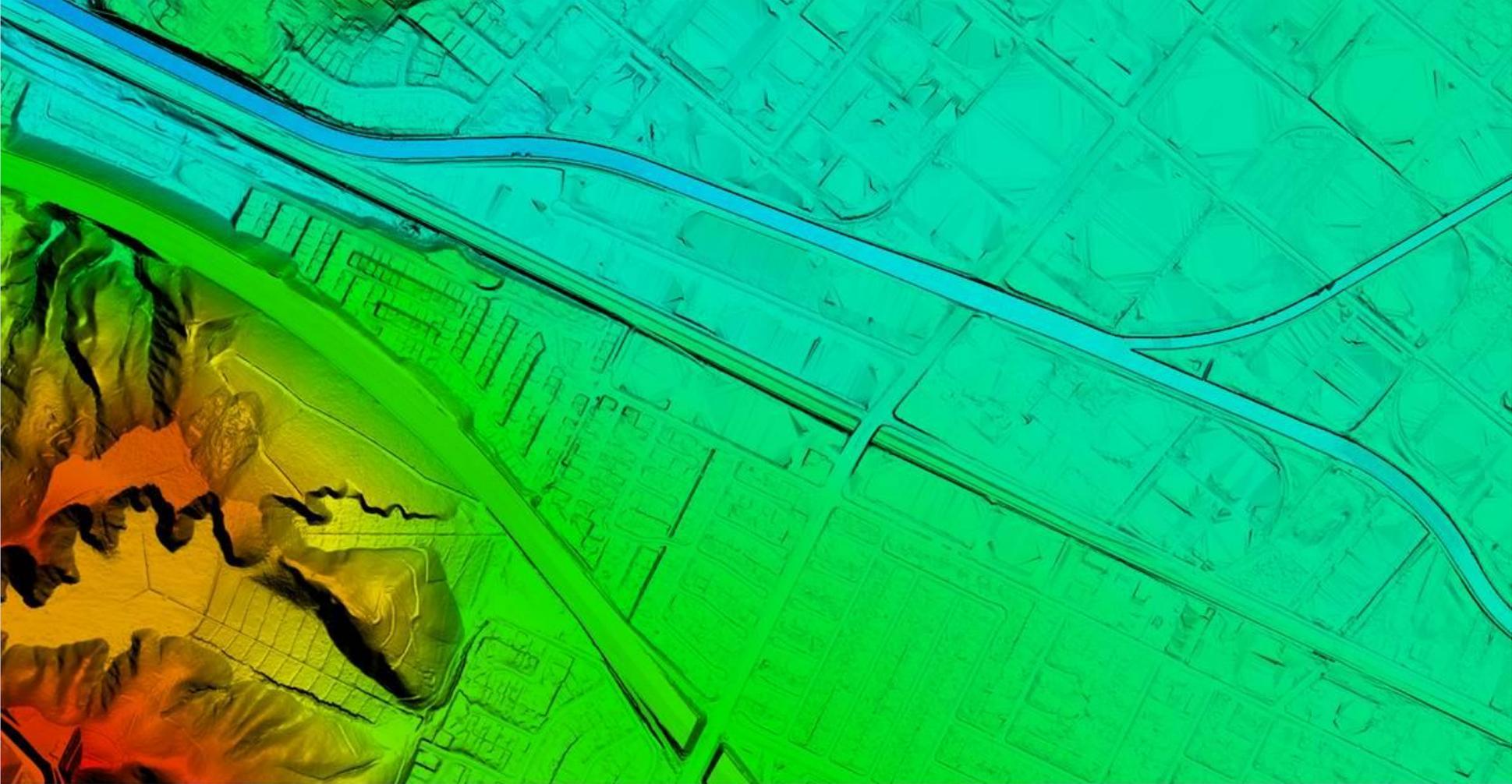
- Dewberry
  - Classified LiDAR
  - Breaklines / DEM
  - Terrain Mapping

## ■ Task 7: Terrain Mapping

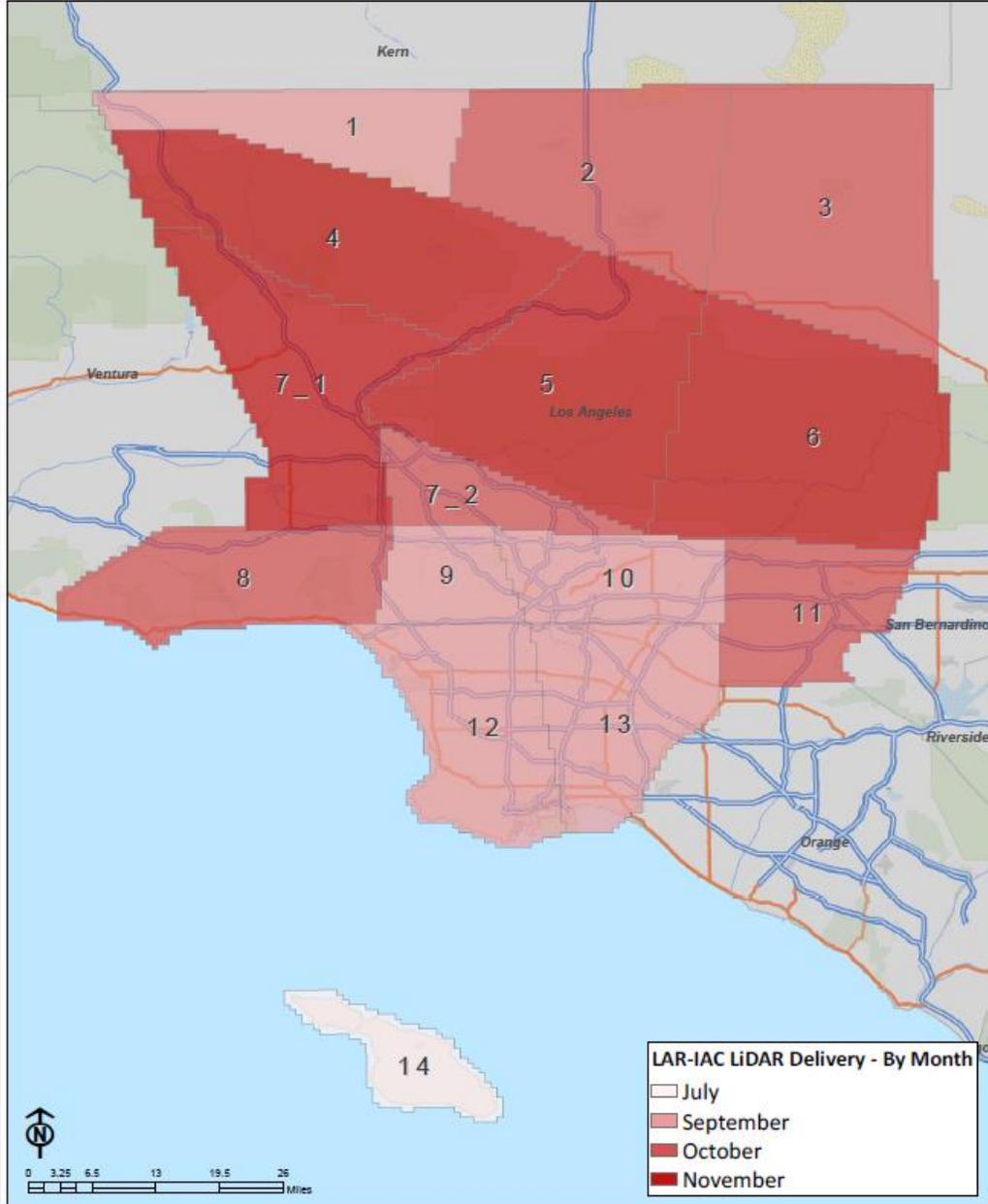
- Hydrography Protocols
  - Breaklines
  - DEM
- Contours – 1' or 2'



# Sample Data



# Projected Delivery Areas



# Final Delivery Schedule

SLDS Participant	End User Projected Delivery Date	SLDS Participant	End User Projected Delivery Date
Catalina Conservancy	8/1/2016	City of Torrance	9/27/2016
City of West Hollywood	9/21/2016	LA Air Force Base	9/27/2016
City of Cerritos	9/17/2016	Palos Verdes Conservancy	9/27/2016
City of Lakewood	9/17/2016	City of Inglewood	9/27/2016
City of Norwalk	9/17/2016	City of Temple City	9/26/2016
City of Signal Hill	9/17/2016	City of Covina	10/14/2016
City of Carson	9/27/2016	City of Downey	10/14/2016
City of El Segundo	9/27/2016	City of Industry	10/14/2016
City of Gardena	9/27/2016	City of Whittier	10/14/2016
City of Hermosa Beach	9/27/2016	City of Culver City	11/7/2016
City of Long Beach	9/27/2016	City of Malibu	11/7/2016
City of Manhattan Beach	9/27/2016	City of Santa Monica	11/7/2016
City of Rancho Palos Verdes	9/27/2016	City of Westlake Village	11/7/2016
City of Redondo Beach	9/27/2016	City of Burbank	11/7/2016



# Final Delivery Schedule

SLDS Participant	End User Projected Delivery Date	SLDS Participant	End User Projected Delivery Date
City of Glendale	<b>11/7/2016</b>	California State University Long Beach	<b>11/30/2016</b>
City of La Canada Flintridge	<b>11/7/2016</b>	City of Beverly Hills	<b>11/30/2016</b>
City of Arcadia	<b>11/11/2016</b>	City of Los Angeles	<b>11/30/2016</b>
City of Azusa	<b>11/11/2016</b>	City of Santa Clarita	<b>11/30/2016</b>
City of Claremont	<b>11/11/2016</b>	LA County Metropolitan Transit Authority	<b>11/30/2016</b>
City of Duarte	<b>11/11/2016</b>	LA County Sanitation District (NTA)	<b>11/30/2016</b>
City of Pasadena	<b>11/11/2016</b>	Loyola Marymount University	<b>11/30/2016</b>
City of San Dimas	<b>11/11/2016</b>	Newhall Land and Farming	<b>11/30/2016</b>



# Land Cover Project Overview

- Phase 1: Project Initiation
- Phase 2: High Resolution Land-Cover Mapping
- Phase 3: QA/QC and Accuracy Assessment



# Land Cover Project Overview – Status Update

- Phase 1: Project Initiation - **UNDERWAY**
- Phase 2: High Resolution Land-Cover Mapping – **November to February 2017**
  - Pilot Area Testing – areas identified in Blocks 13 & 14, completed by end of October
  - LiDAR Data – supplied in blocks
- Phase 3: Finish QA/QC and Accuracy Assessment – **March 2017**



Thank you!

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