Los Angeles Region Imagery Acquisition Consortium (LAR-IAC)

Brief Overview of Deliverables

LOS ANGELES ● REGION
LAR|ac
imagery acquisition consortium

Overview

- Purpose and Objectives
- List of Participants
- Review of Products
- Basic Range of Applications

Purpose and Objectives

Purpose: Provide orthogonal, oblique, and DTM imagery for all government entities in Los Angeles County

- **Objective 1:** Obtain high accuracy aerial imagery to support all government needs from pre-engineering design and beyond.

- **Objective 2:** Eliminate multiple acquisitions from government agencies for the same area.

- **Objective 3:** Save taxpayer money.

List of Participants

City Participants	
Agoura Hills	La Habra Heights
Beverly Hills	Lakewood
Burbank	Long Beach
Carson	Los Angeles
Cerritos	Manhattan Beach
City of Industry	Monrovia
Covina	Palmdale
Culver City	Pasadena
Diamond Bar	Redondo Beach
Downey	Santa Clarita
El Segundo	Santa Fe Springs
Glendale	Santa Monica
Hermosa Beach	Torrance
Inglewood	Westlake Village
La Cañada - Flintridge	Whittier
County Participants	
ACWM	Parks and Recreation
Assessor	Public Works (DPW)
Beaches & Harbors	Regional Planning (DRP)
CAO (including OEM)	RRCC
Health Department	
Other Agencies	
Caltrans	LARGIN (LA Clearinghouse)
Catalina Conservancy	USGS
Port of Los Angeles	

Digital Aerial Imagery Products

- Digital Terrain Datasets (DTM, DSM, DEM) – based on LiDAR

- 2′ Elevation Contours GIS layer (derived from DTM)

- Color Orthogonal Imagery: 4″ resolution (urban areas) and 1′ resolution (national forests)

- Color Infrared Imagery: 4″ resolution (urban areas) and 1′ resolution (national forests)

- Color Oblique Aerial Digital Imagery (with viewer application)

- Independent QA/QC (Dewberry & Davis)

Data Delivery Formats

Participants will get all deliverables and all formats

Delivery Product	Format 1	Format 2	Format 3
Orthophoto	GeoTIFF	Jepg 2000	
Digital Surface Model *	ASCII - points	ArcGIS shape file - points	Microstation (dgn) - points , lines
Digital Terrain Model **	ArcGIS shape file - points, 3D lines	AutoCAD (dwg) – points , lines	Microstation (dgn) – points , lines
Digital Elevation Model ***	ArcGIS raster	AutoCAD (dwg)	
Contours	ArcGIS shape file	AutoCAD (dwg)	
Pictometry oblique imagery	Proprietary JPG format		

* Digital Surface Model- contains the masspoints (from LIDAR or photogrammetric compilation) and breaklines to generate subsequent elevation products
** Digital Terrain Model represents the bare earth terrain including the breaklines
*** Digital Elevation Model represents the bare earth in grid format

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Basic Range of Applications

- Basic cadastral mapping (at a scale of 1″ = 100′ and less detail)
- Pre-engineering design
- Planning and zoning
- Property assessment / appraisal
- Flood risk management
- Natural Hazard Assessment
- Traffic management
- Law enforcement / Public safety / Homeland security
- Census
- Many more (too many to list)

Contact Information

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- **Project Web Site**
  http://planning.co.la.ca.us/GIS/LAR_IAC/LARIAC_home.htm

Questions and Comments