

Quality Assurance/Quality Control (QA/QC) Services

Los Angeles Region Imagery
Acquisition Consortium (LAR-IAC2)

March 19, 2009



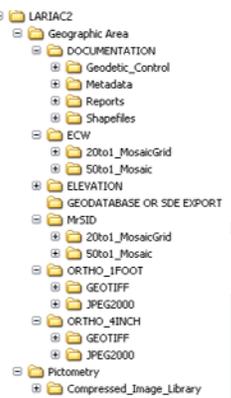
Dewberry Progress

- Delivered 30 SLDS Oblique Datasets
- Delivered 2 countywide Oblique Datasets
- Delivered 6 SLDS Ortho Datasets
 - Carson
 - Cerritos
 - Lakewood
 - Torrance
 - Manhattan Beach
 - Catalina Conservancy
- Performed QA/QC on 3,865 4" Ortho Tiles
- Currently Dewberry has 725 4" Ortho Tiles in the QA/QC Process



Deliverables Setup - Orthos

- Various formats



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    LARIAC2
    └── Geographic Area
        ├── DOCUMENTATION
        │   ├── Geodetic_Control
        │   ├── Metadata
        │   ├── Reports
        │   └── Shapefiles
        ├── ECW
        │   ├── 20to1_MosaicGrid
        │   └── 50to1_Mosaic
        ├── ELEVATION
        │   └── GEODATABASE OR SDE EXPORT
        ├── MxSID
        │   ├── 20to1_MosaicGrid
        │   └── 50to1_Mosaic
        ├── ORTHO_IFFOOT
        │   ├── GEOTIFF
        │   ├── JPEG2000
        │   └── JPEG2000
        └── ORTHO_4INCH
            ├── GEOTIFF
            ├── JPEG2000
            └── JPEG2000
    Pictometry
    └── Compressed_Image_Library
    
```



File Geodatabase - Raster Catalog Deliverable

1. Created Using the Same Specifications as the SDE Export
 - a) Calculate Statistics
 - b) Build Pyramids – bilinear interpolation
 - c) JPEG Compression Q-factor of 60
2. Radiometric Adjustments
 - a) Allows for adjustments of visual properties through stretching
 - b) Adjustments can be made using one base image
 - c) Base image statistics can be saved in xml format
 - d) Dewberry is providing documentation for making these adjustments with future participant deliverables



LAR-IAC2 Radiometry

- Overall Project Radiometry
 - Radiometry was chosen for the entire project area so that a seamless dataset can be produced and considered the following items
 - Tonal Consistency
 - Usability
 - Shadow detail
 - The Radiometry chosen for the project area by Sanborn was reviewed by LA and Dewberry and is very consistent across the project area and meets all of the requirements for the project.



LAR-IAC2 Radiometry - Example



LAR-IAC2 Radiometry - Example



LAR-IAC2 Radiometry - Example



LAR-IAC2 Radiometry - Example



 Dewberry

Questions?

 Dewberry