

An aerial photograph of a dense urban area, likely a major city center, showing a vast expanse of buildings and skyscrapers. The foreground is dominated by a cluster of tall, modern skyscrapers, while the background shows a more densely packed residential or commercial area that fades into a hazy horizon. The overall color palette is dominated by the grays and blues of the buildings, with some greenery visible in the lower right.

ADDITIONAL DERIVED DATA

Additional Products

- We have a surplus – what to do?
- Technical Advisory Group is meeting
 - Save money for LARIAC5
 - Look at Cloud-based LIDAR hosting and tools
 - Derive a Land Cover Dataset (front runner)

Land Cover

- Concept
 - Develop a high resolution land cover dataset for LA County at 1 foot or 4-inch resolution
 - Current national dataset is 30 meter
- Uses
 - Pervious/impervious surface
 - Change detection
 - Habitat modeling
 - Climate Change modeling
 - Flood and water use modeling
 - Tree Canopy Modeling
- See: <http://www.mrlc.gov/>
- Standards Exist from the USGS

Land Cover Types

- Leverage Standards

Classes sorted into:

- Conifers
- Deciduous
- Grass/Low-shrub
- Bare Soil/Dry grass
- Urban/Pavement/Rock
- Water
- Shadow
- Unclassified (< 1%)

NLCD Land Cover Classification Legend

	11 Open Water
	12 Perennial Ice/ Snow
	21 Developed, Open Space
	22 Developed, Low Intensity
	23 Developed, Medium Intensity
	24 Developed, High Intensity
	31 Barren Land (Rock/Sand/Clay)
	41 Deciduous Forest
	42 Evergreen Forest
	43 Mixed Forest
	51 Dwarf Scrub*
	52 Shrub/Scrub
	71 Grassland/Herbaceous
	72 Sedge/Herbaceous*
	73 Lichens*
	74 Moss*
	81 Pasture/Hay
	82 Cultivated Crops
	90 Woody Wetlands
	95 Emergent Herbaceous Wetlands

* Alaska only

Status

- Determine the data sources and methods
 - NAIP, LIDAR, Imagery, Building outlines, etc
 - Determine method (ENVI, ArcGIS, eCognition, etc)
- Look at a pilot to do this.