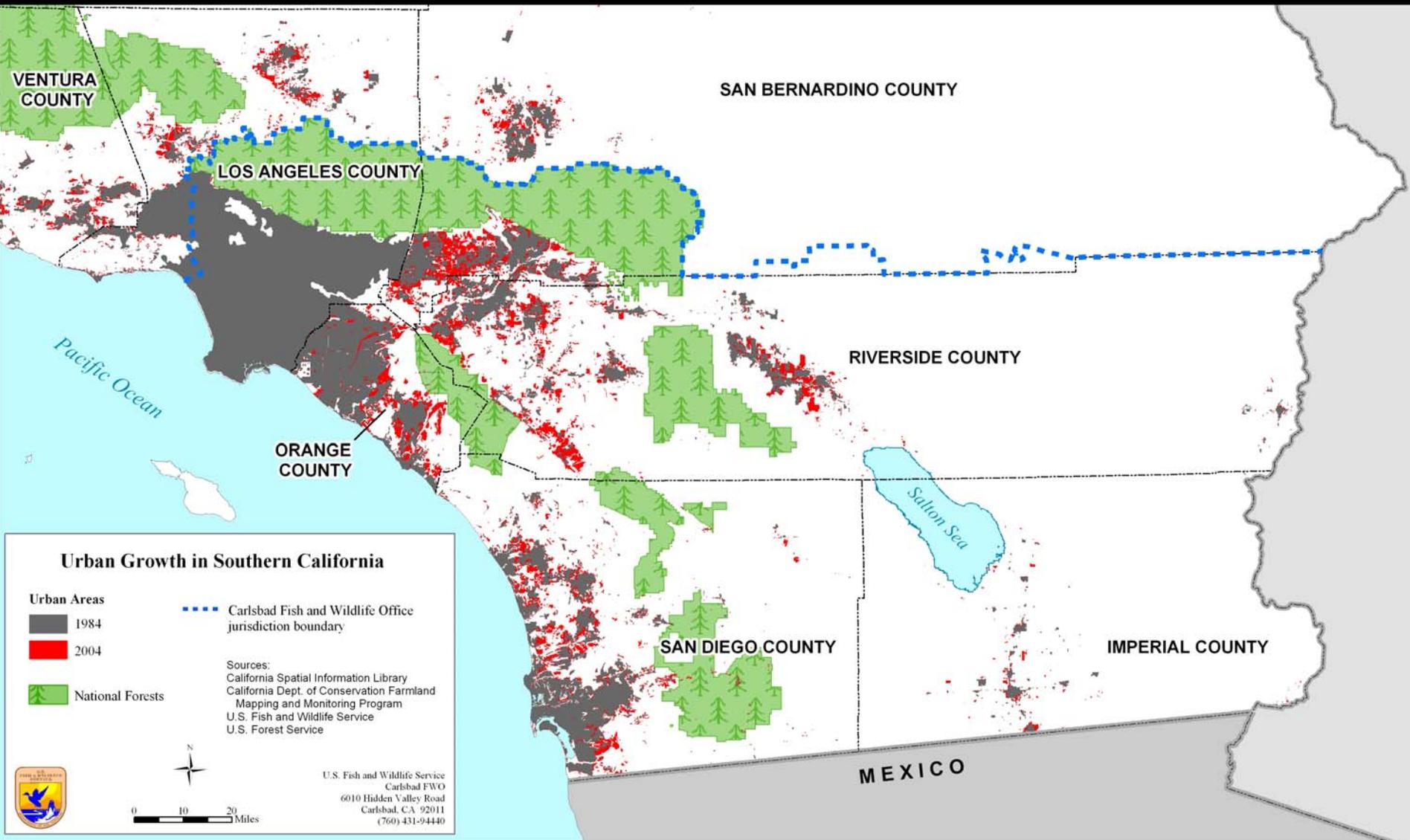
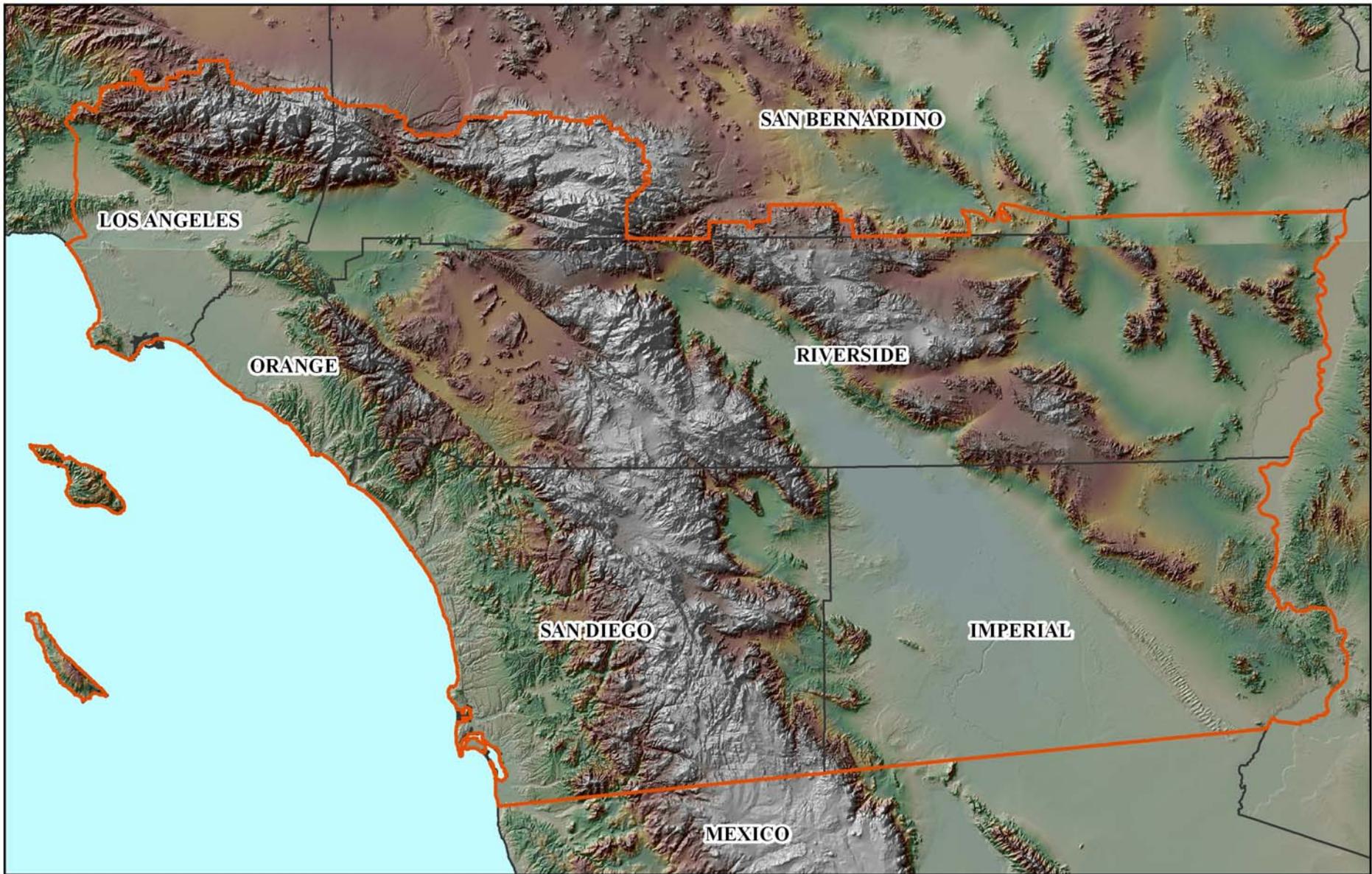


GIS Data Administration at USFWS Carlsbad Field Perspective

Tony McKinney
USFWS Carlsbad Field Office







LOS ANGELES

SAN BERNARDINO

ORANGE

RIVERSIDE

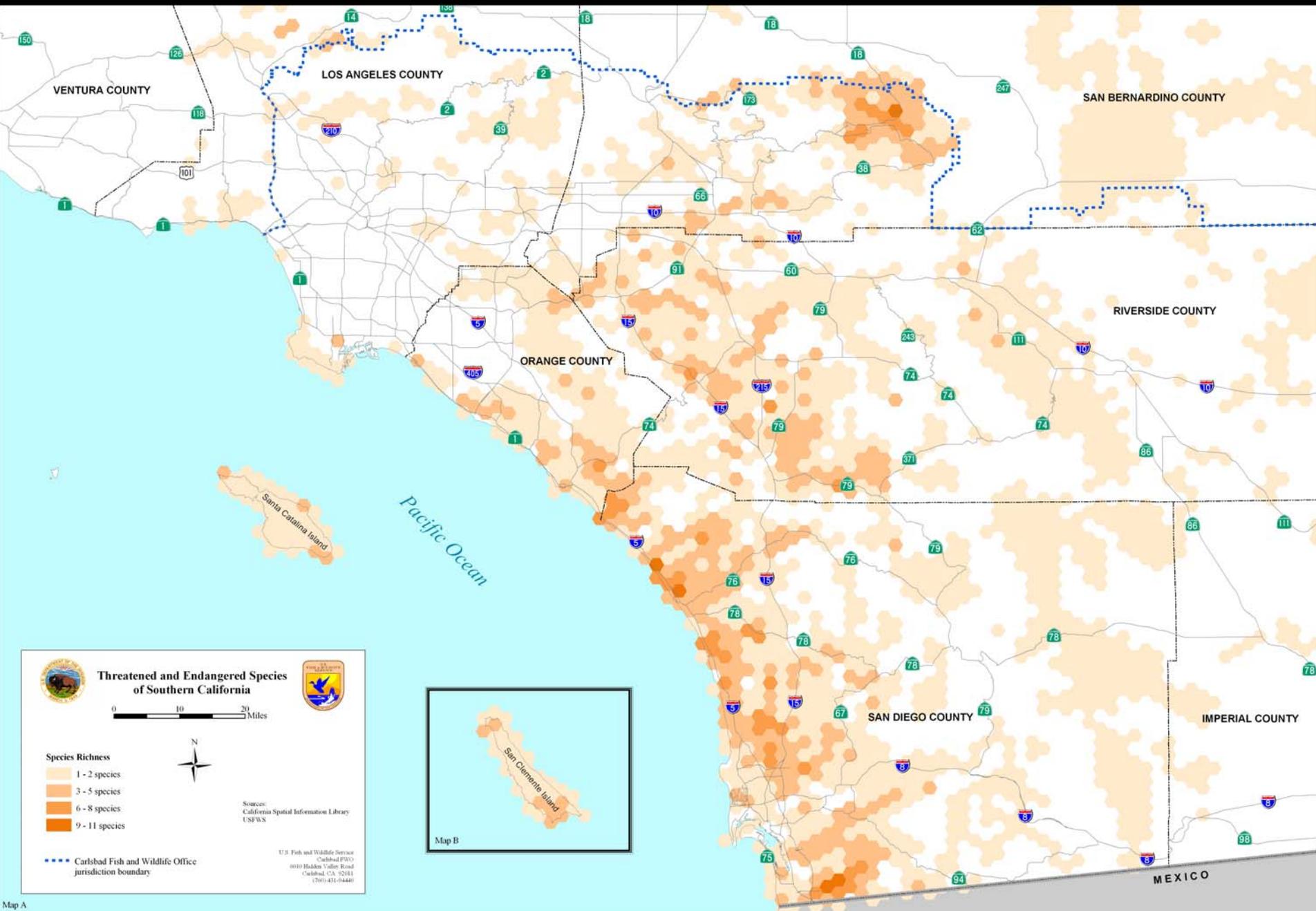
SAN DIEGO

IMPERIAL

MEXICO

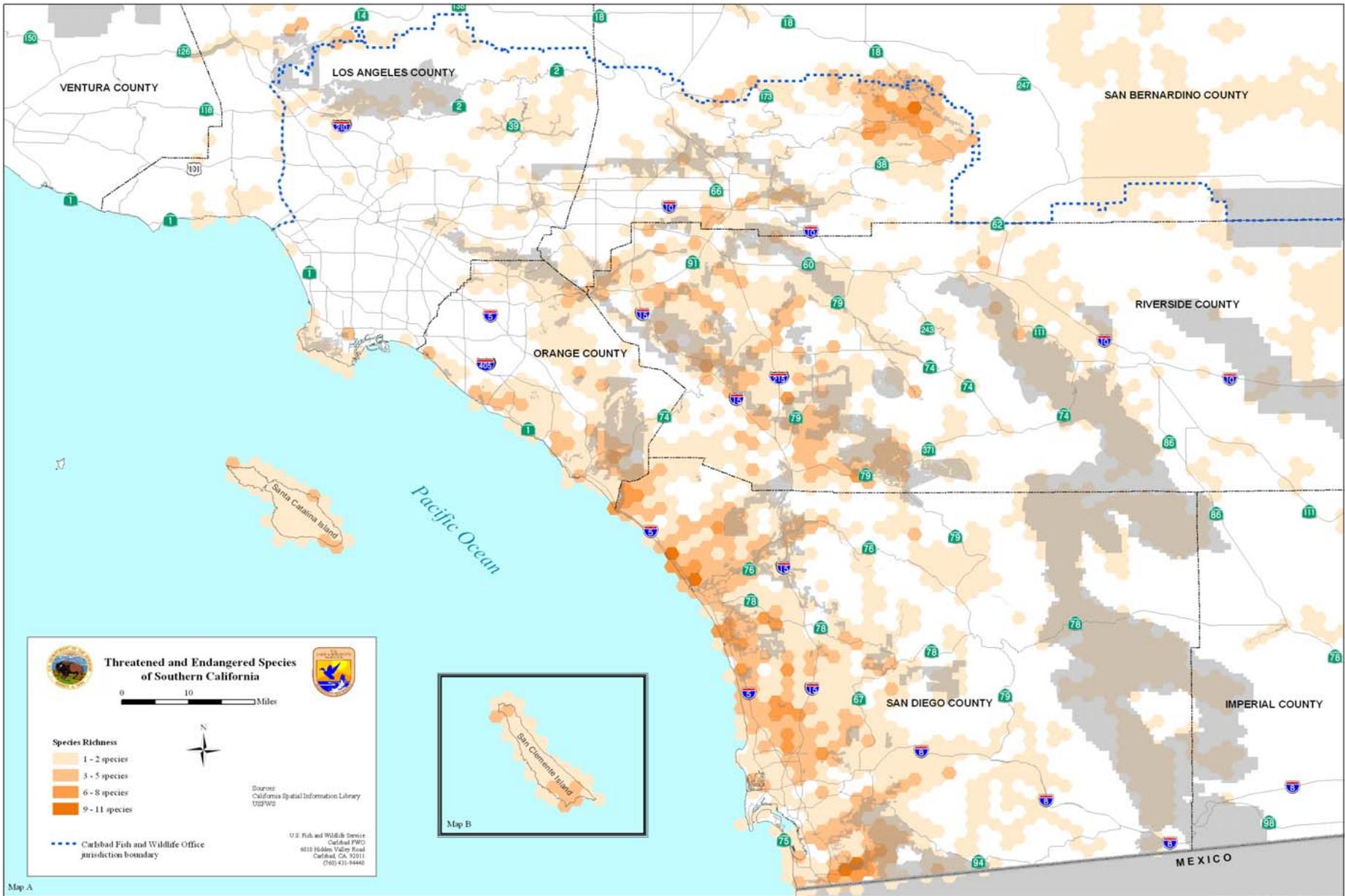
Species within 8 Km of Urban Boundary

- 66 Federal listed T & E species
- 20 State listed T & E species
- 8 State listed “Rare” species



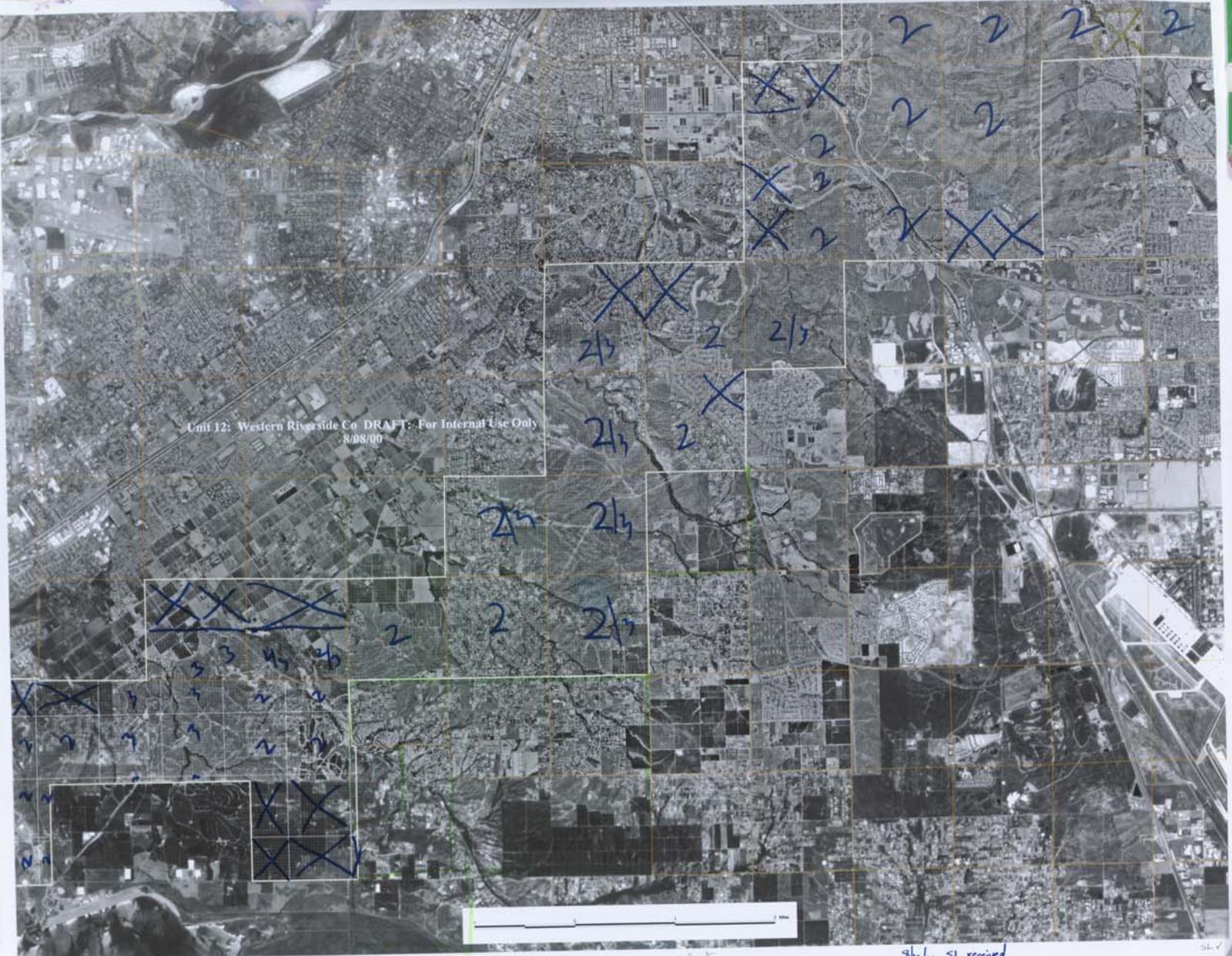
Activities

- Critical Habitat Proposal and Designation (ESA Sect. 4)
- Habitat Conservation Planning
- Consultations regarding species impact (ESA Sect. 7)
- Biological Opinions



Data Used

- Soils (USDA)
- Vegetation (County)
- Species occurrences (State, FWS, Univ., consultants, non-public agencies)
- Species predictive models (FWS & Univ.)
- Habitat evaluation models (FWS)
- Climate (NOAA and Univ.)
- Ownership (State, Tribes)



Unit 12: Western Riverside Co. DRAFT: For Internal Use Only
8/08/00

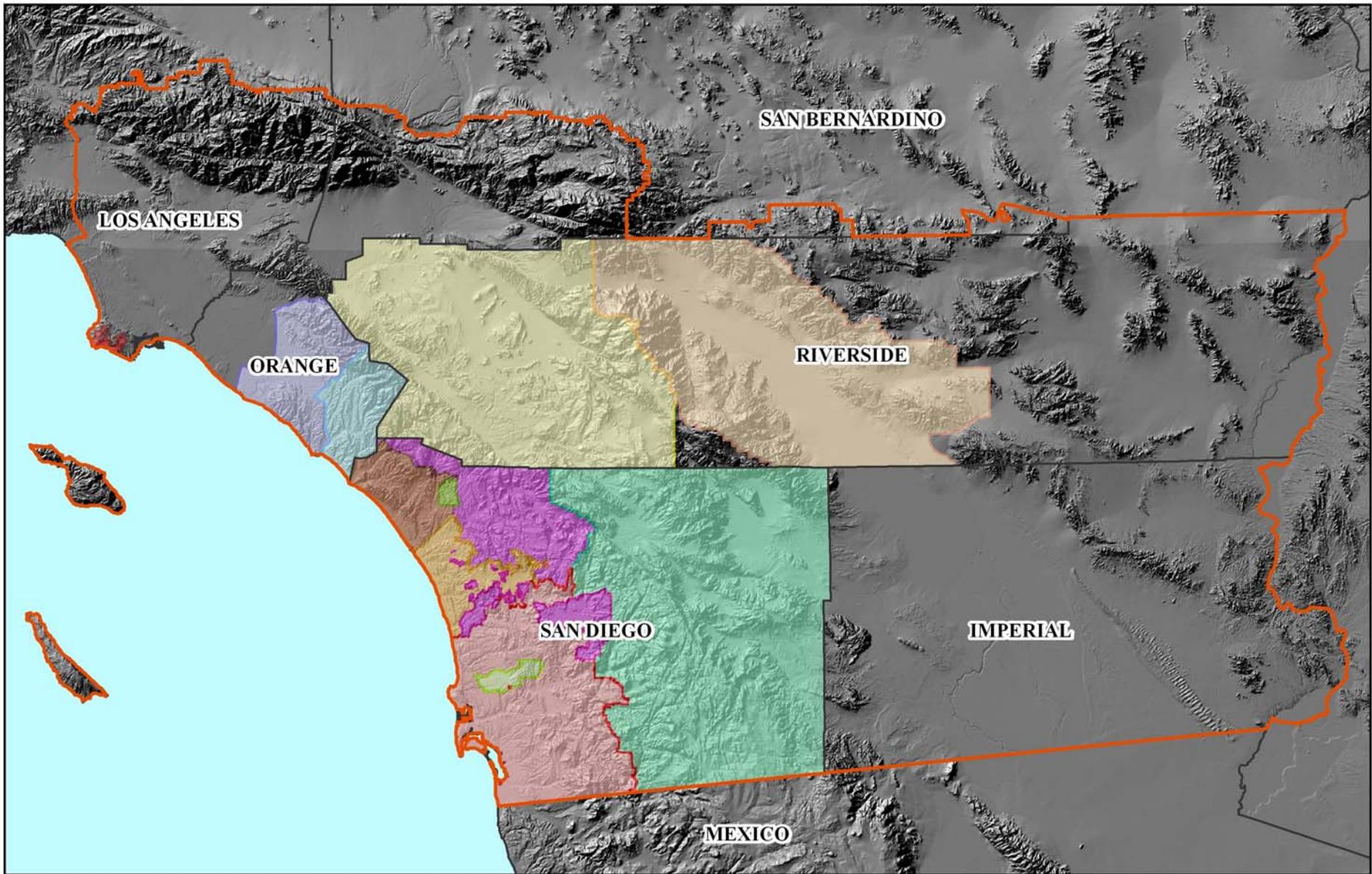
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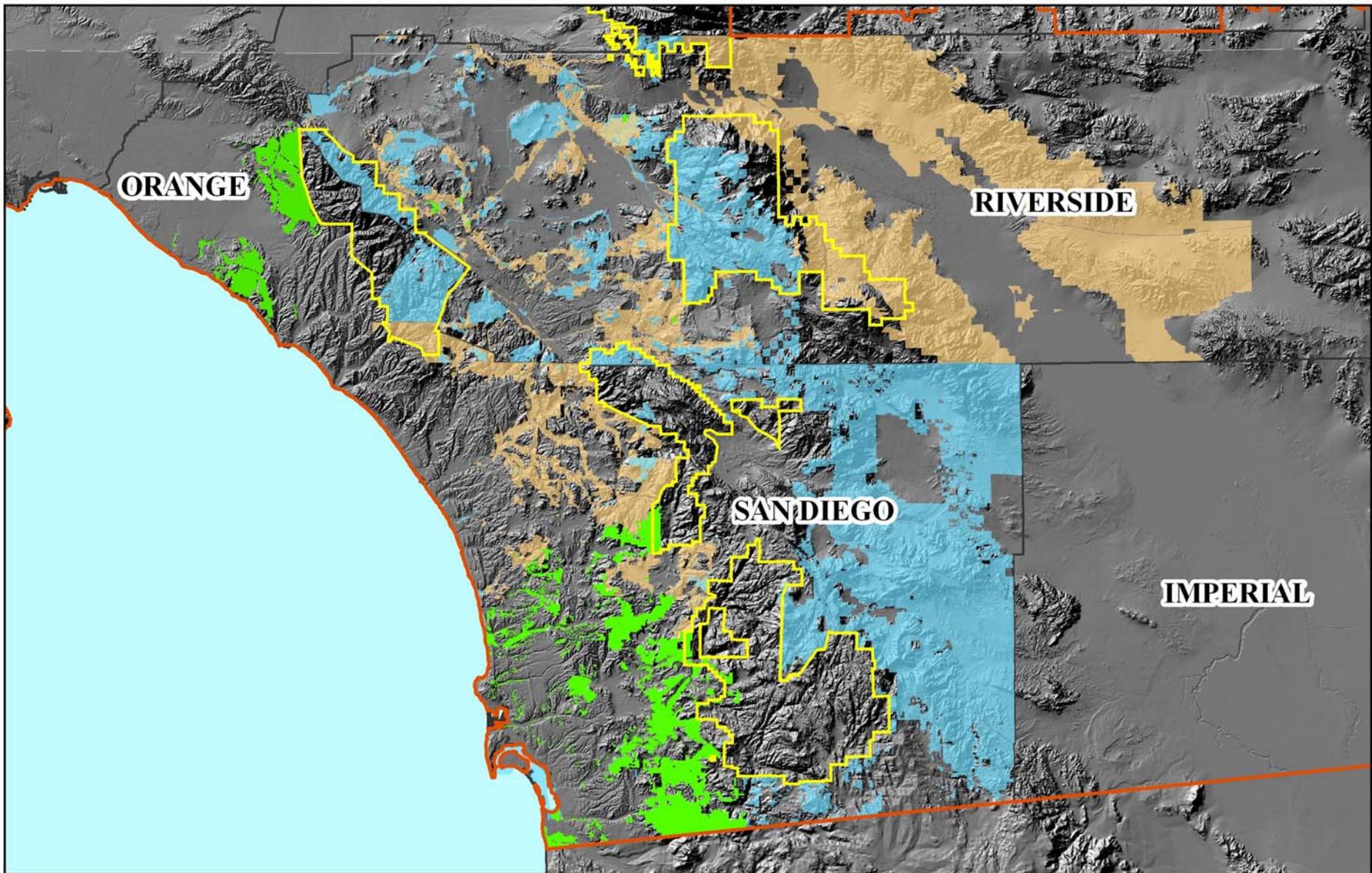
SL-7

#18

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GIS Admin Record

- Contains all relevant data used to make determination
- Contains description of methods used to make determination
- Contains maps available for distribution to public
- Contains sources for proprietary data

GIS Admin Record

- Data – internal data and/or non-proprietary data
- External Data – proprietary data source
- Imagery – list of satellite and/or aerial imagery, decision support documentation
- Draft Rule – proposed boundaries
- Final Rule – designated boundaries
- Metadata – for all derived products

Time Frame

- Consultations – 30 to 135 days
- Critical Habitat – 1 to 2 years (or longer if remanded)
- Conservation Plans – 3 to 7 years (or longer)

Issues

- Multiple GIS files for one coverage
- Defining files and coverages
- Specialized software
- Data dictionaries
- Specialized terminology

Conundrums

- How much data is enough
- Does every iteration need to be archived
- Where does one liberate the time to do it

Solution

- Agreement on essential data with all stakeholders
- Metadata and archiving becomes part of the process
- Encouragement from the top down (archiving is only as good as the smallest component)

Media and Storage

- CD-ROM
- DVD-ROM
- Exabyte tape
- Ultrium tape
- On-site
- Off-site

Archive

- Athena – Library catalogue software
- Sort by project, species, or geography
- Keywords and summary
- Unique catalogue number



