

Coloring Outside The Lines

Finding Other Uses For Your Trails
Related GPS Data

Equipment

- TSC1 Asset Surveyor version 5.27
- Pro XRS Receiver
- GPS Pathfinder Office version 3.10
- ArcView 9.3
- Rico Caplio 500SE GPS Camera



What We Collected

- All managed and unmanaged trails including service roads
- All abandoned trails
- All features – bridges, turnpikes, ramps, rockwalls, etc.



All trail re



What We Didn't Collect

- Waterbars and checkdams
- Boundary signs and others not managed by us
- Fence lines we don't manage
- Trailhead facilities

The Bottom Line

- Dollars - \$67,300
 - Hours – 2,962

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graph TD; A[Benefits Gained] --- B[Better Overall Data]; A --- C[Budgeting and Cost analysis]; A --- D[Better Resources Management];
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Benefits
Gained

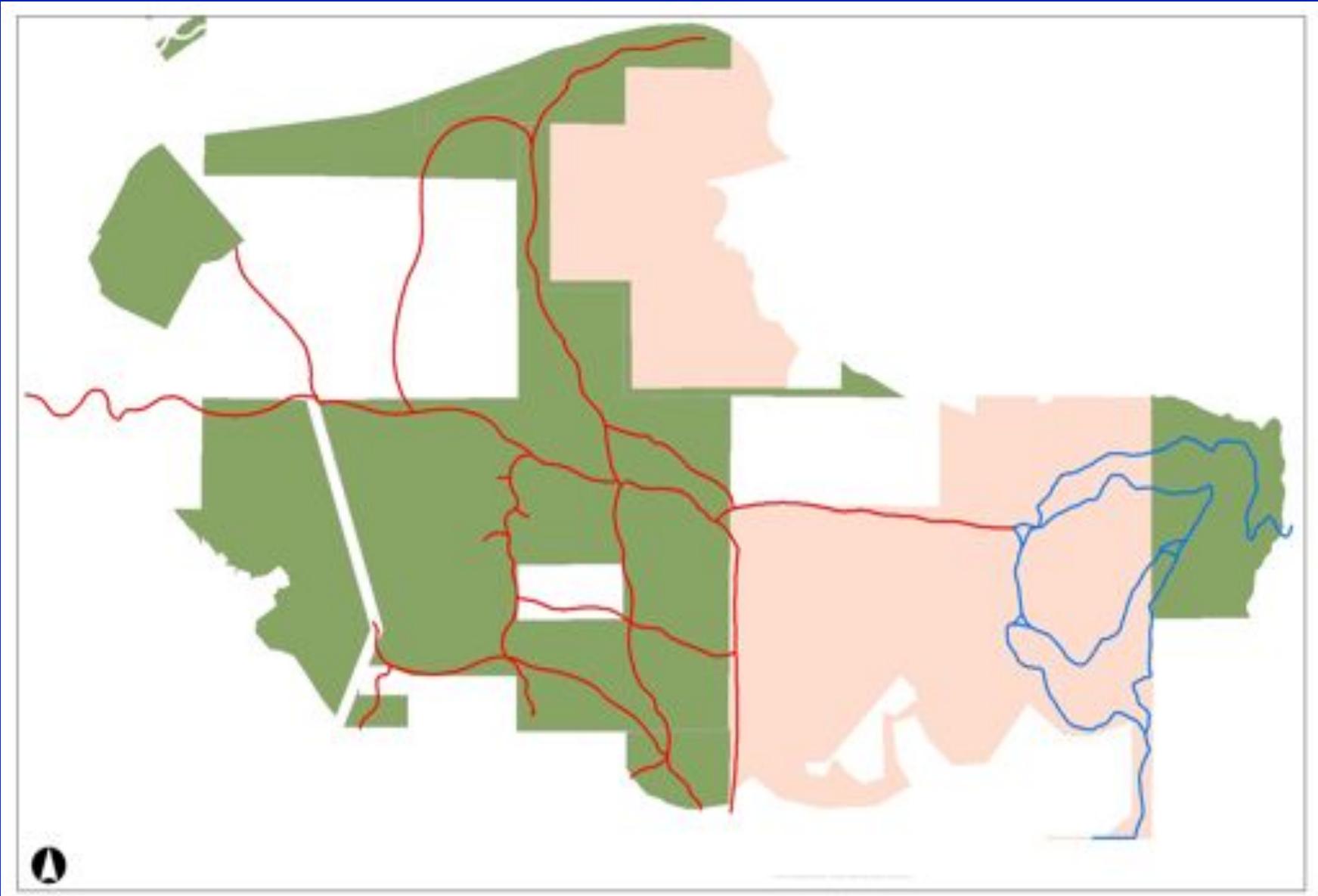
Better Overall
Data

Budgeting and
Cost analysis

Better Resources
Management

Better Overall Data

- Managed vs. Unmanaged
- Miles to acres
- Unmanaged access points and adjacent property owners

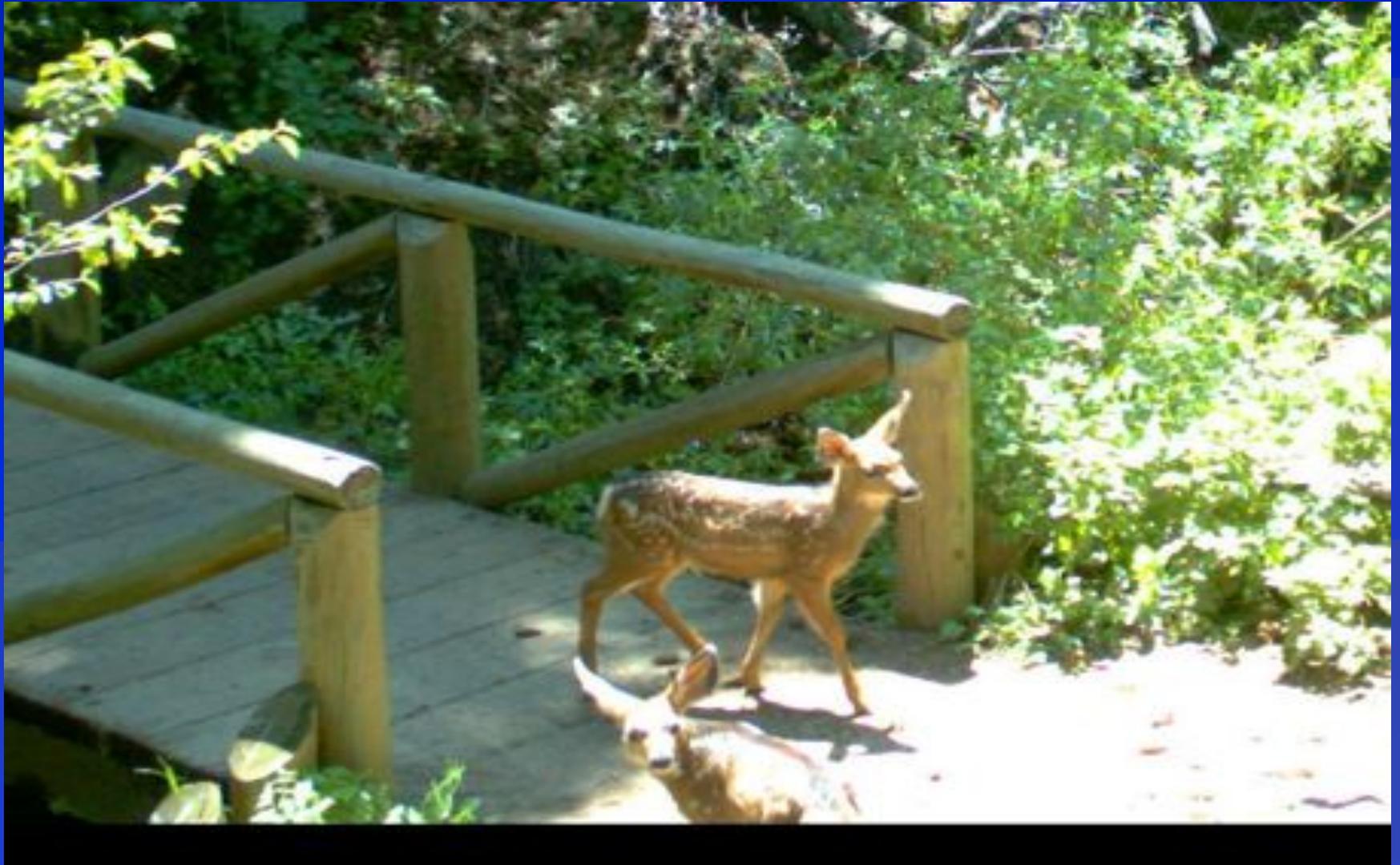


Budgeting And Cost Analysis

- Exact number and location of all trail features
- Database
- Accurate maintenance and replacement costs

Budgeting And Cost Analysis

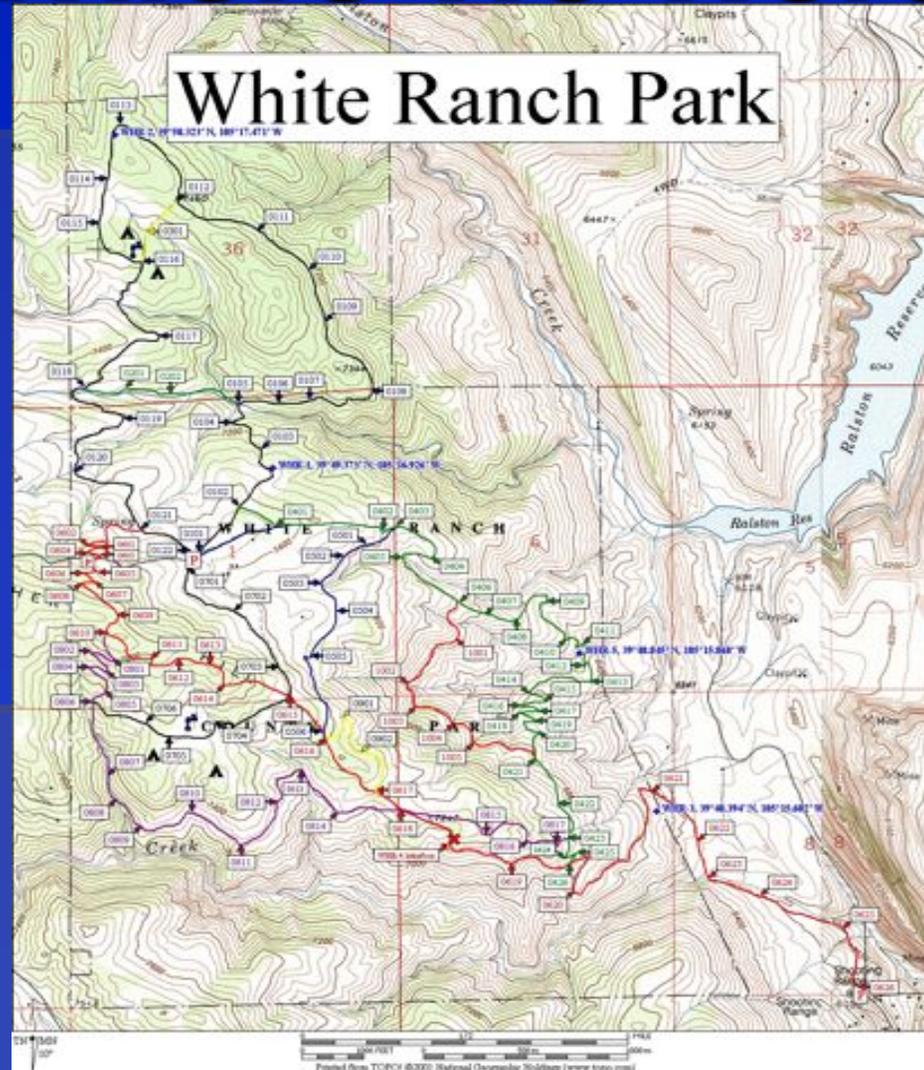
- Accurate lengths
 - features/mile
 - specific grades
 - \$/mile
 - \$/grade



Management of Both Staff and Volunteers

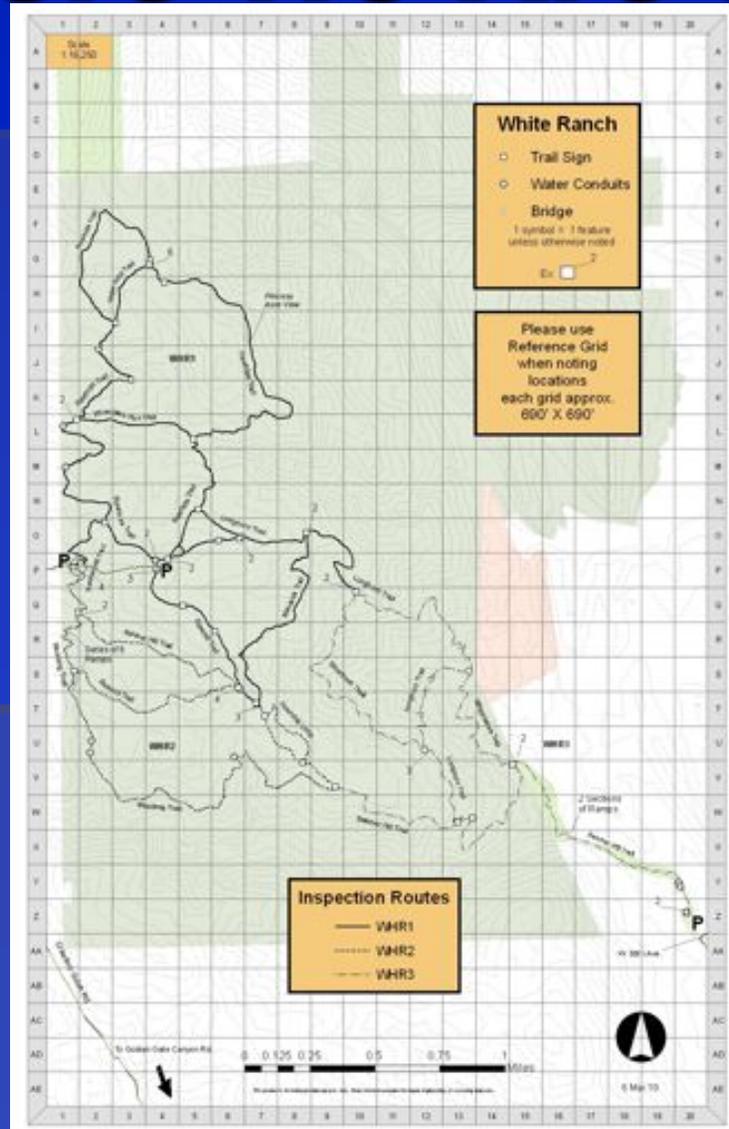
- Stems from revamping of volunteer trail inspector program
- Based on 3 things
 - new maps
 - reporting forms
 - Traillog database

Where We Were





Where We Are Now







- Uniform reporting from all volunteers and all sections within organization
- Easier data management
- Accurate reporting from everyone

- Better reporting = better response
- Work priority
- Scheduling
 - Resource allocation
 - Fewer staff field trips

GPS Camera Gives Accurate Visual of Features





Overall Benefits

- Hard data – no more collective memory or institutional knowledge
- Mapped routes to access points
- Muddy trail closures
 - Which sections
 - Historic patterns
 - Why
- Social trail management

- Instructional uses

- Mowing

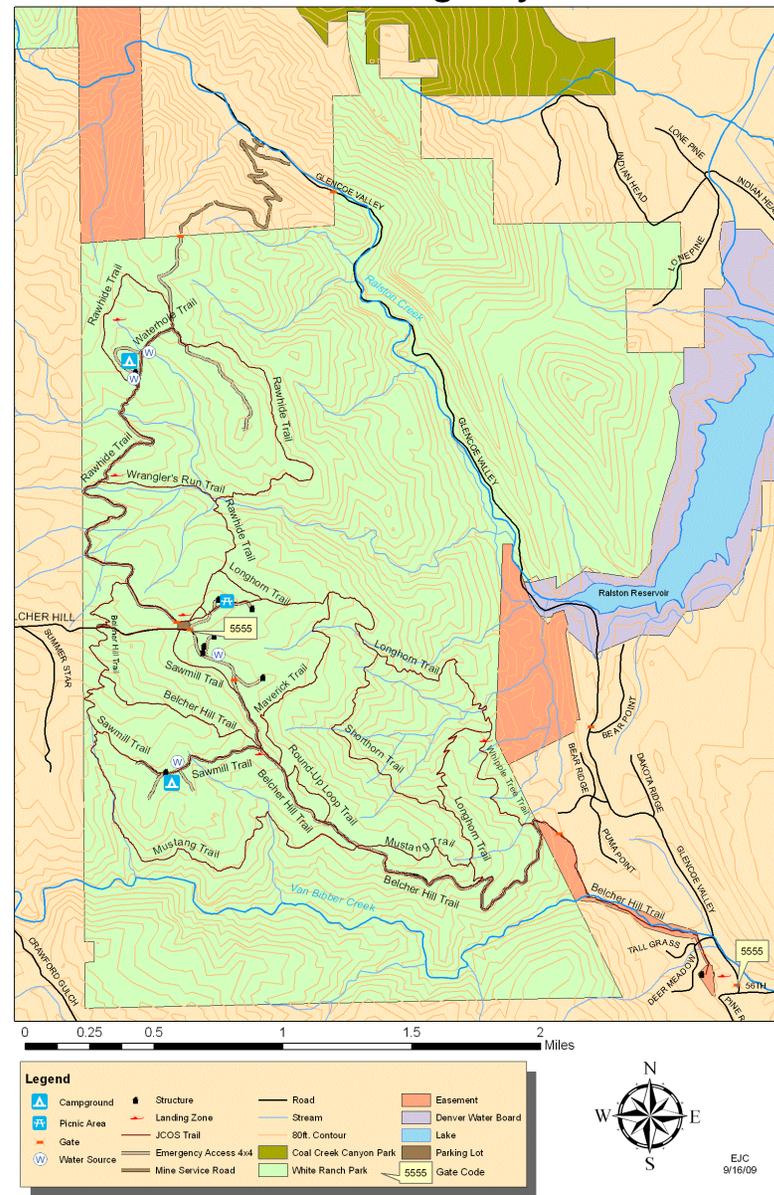
- better info
- acreage

Other Sections

- **Maintenance**
 - Trashcans
 - Picnic tables
 - Boundary signs
- **Natural Resources**
 - Social trails through conservation easements
 - Habitat fracturing
 - Weed and veg management

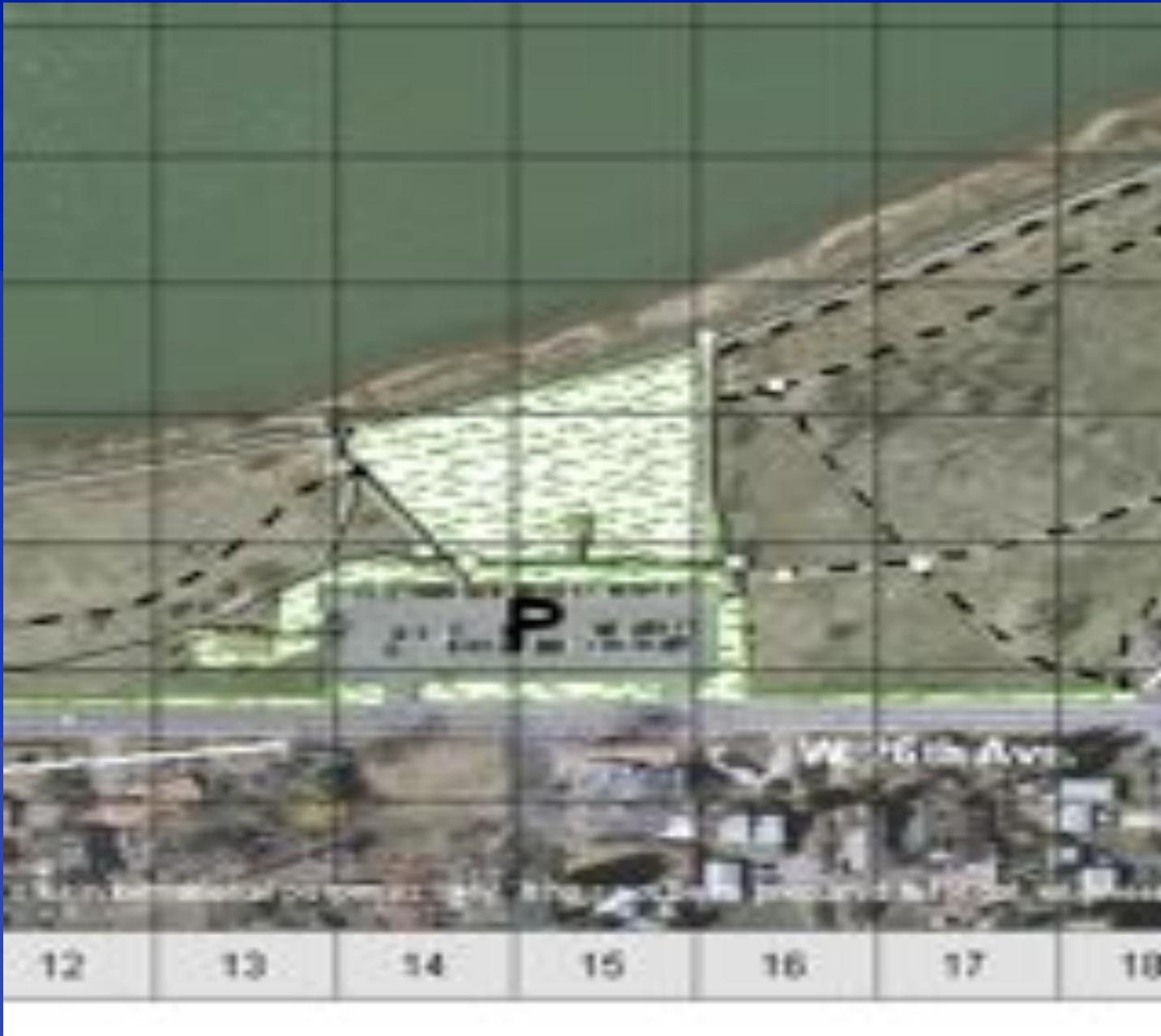
- Rangers
 - Emergency access maps
 - Geocaches
 - Ticket and conflict tracking

White Ranch Emergency Access



What Did We Learn?

- Mistakes
 - Sign data
 - Multiple collectors fine – only a few for data management
- Once we started everyone wanted our stuff





Boardwalk
Trail Feature = Boardwalk

