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NPS National Datasets

Information Resources Management

Seshu Vaddey, Chief of RISD

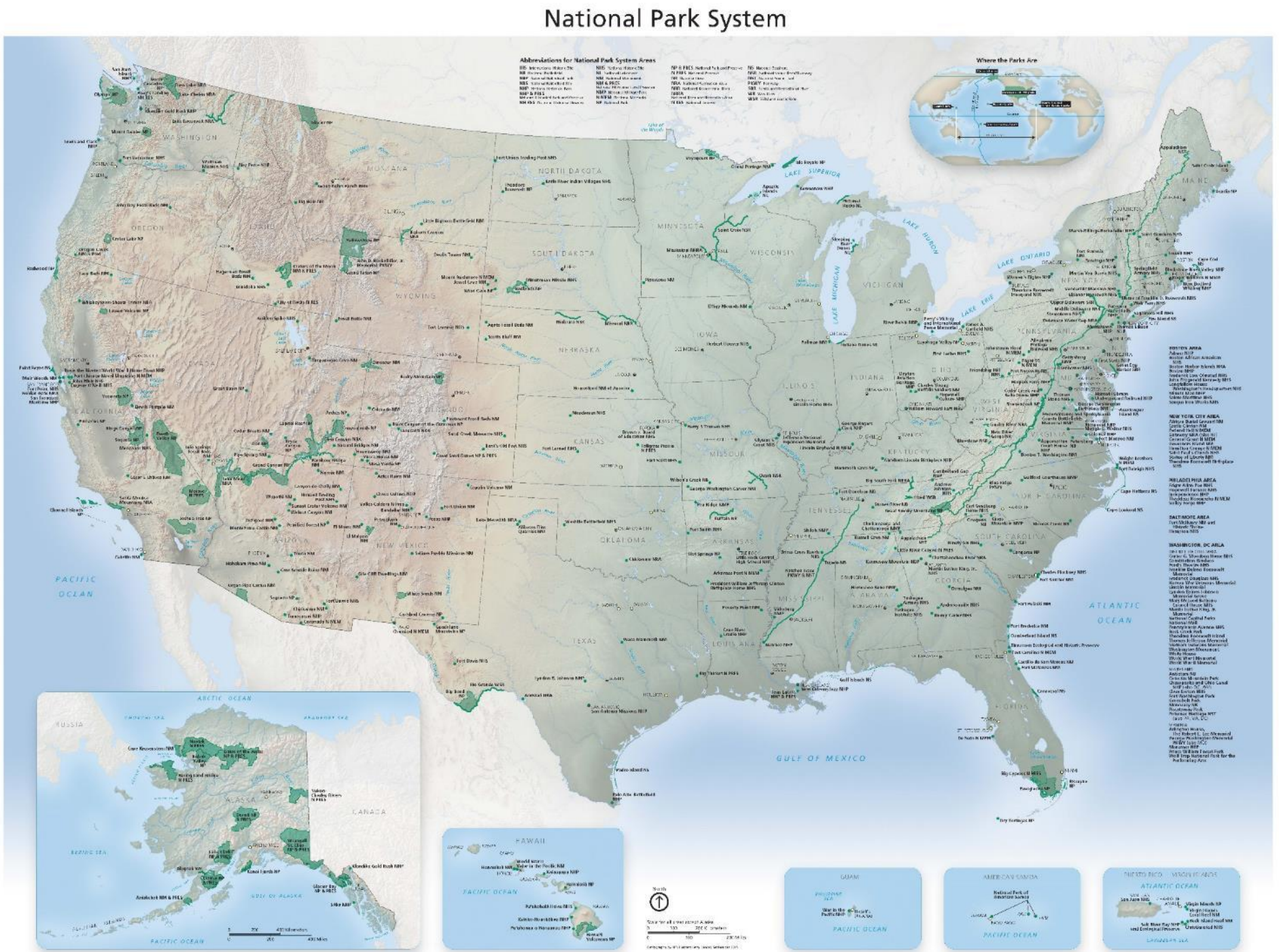
NPS Park Units

What the public really needs though is:

Ability to view & work with

- Trails
- Campgrounds
- Visitor Centers
- Parking spots
- Etc.

Data needed to plan a trip



Because we are

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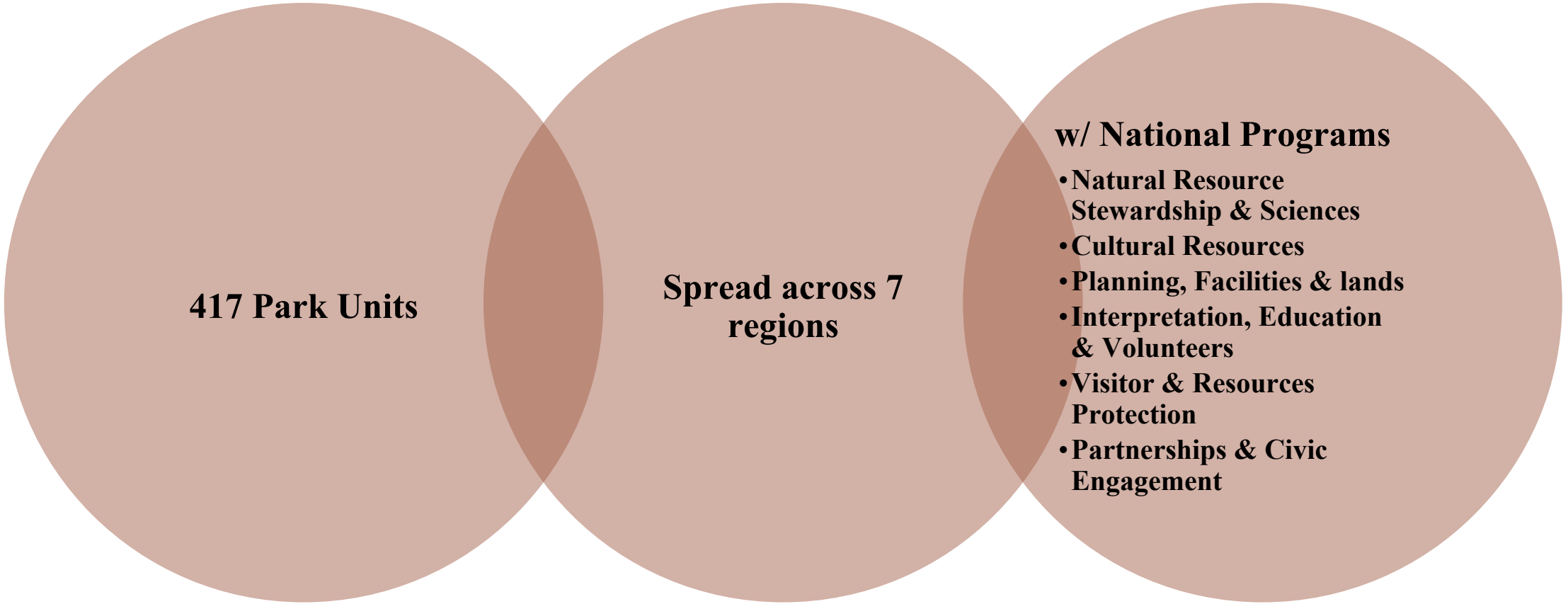

Solution

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- Develop out
  - IT Infrastructure
  - Business Processes and Policies

To develop and maintain National Datasets

- For Third Party App developers
- For The USGS National Map
- For the public

The Plan

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- **Parks**
  - **Park A**
  - **Park B**
  - **Park C**
  - **…**
- **Regions**
  - **Region 1**
  - **Region 2**
  - **Region 3**
  - **…**
- **National Datasets**

USGS National Map as a Test Case

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Build up

- Infrastructure
- Data Standards
- Business Processes and Workflows

Great Smokey Mountains NP was the first Pilot

USGS Topo of Great Smokey Mountains NP

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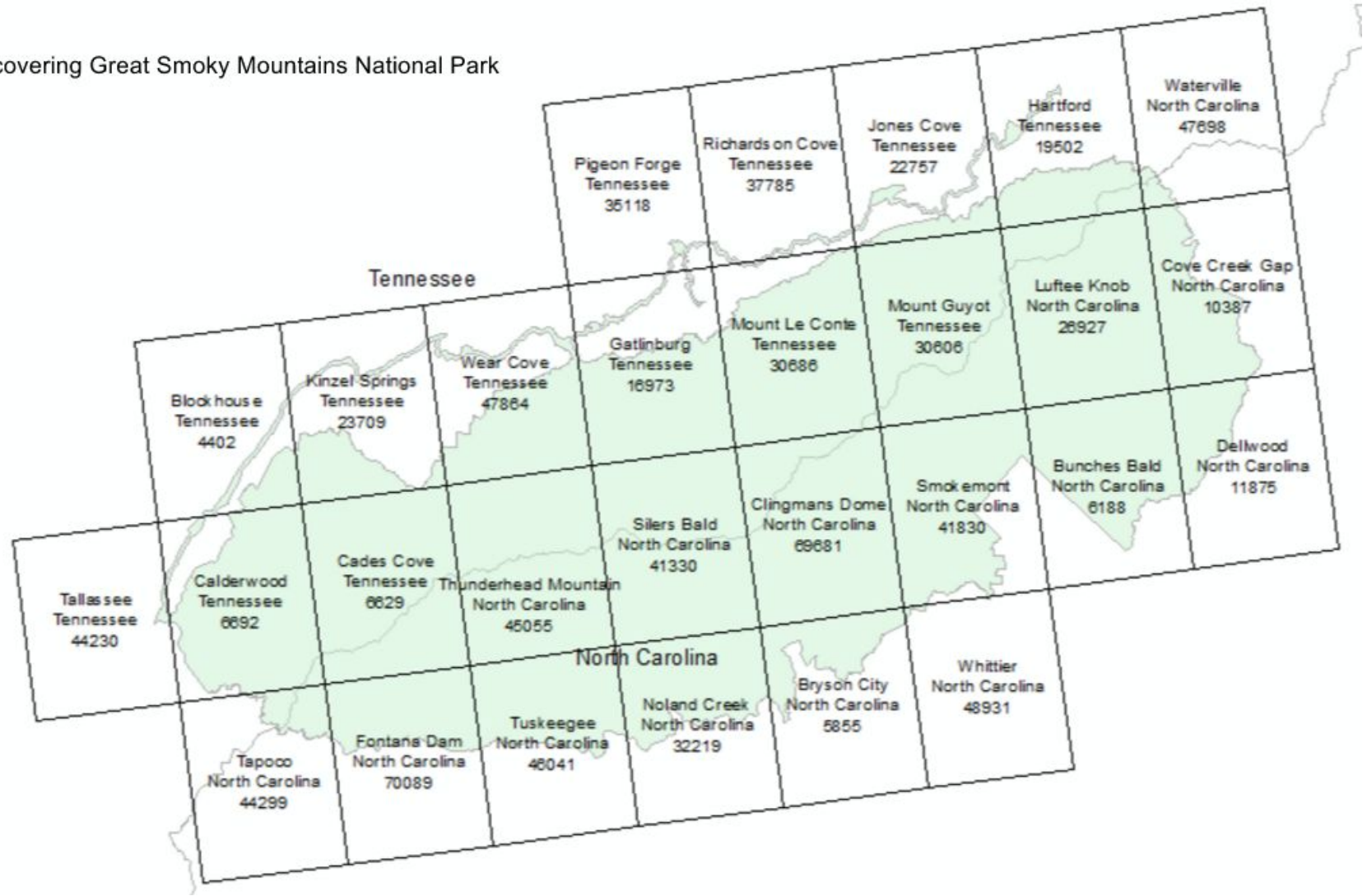
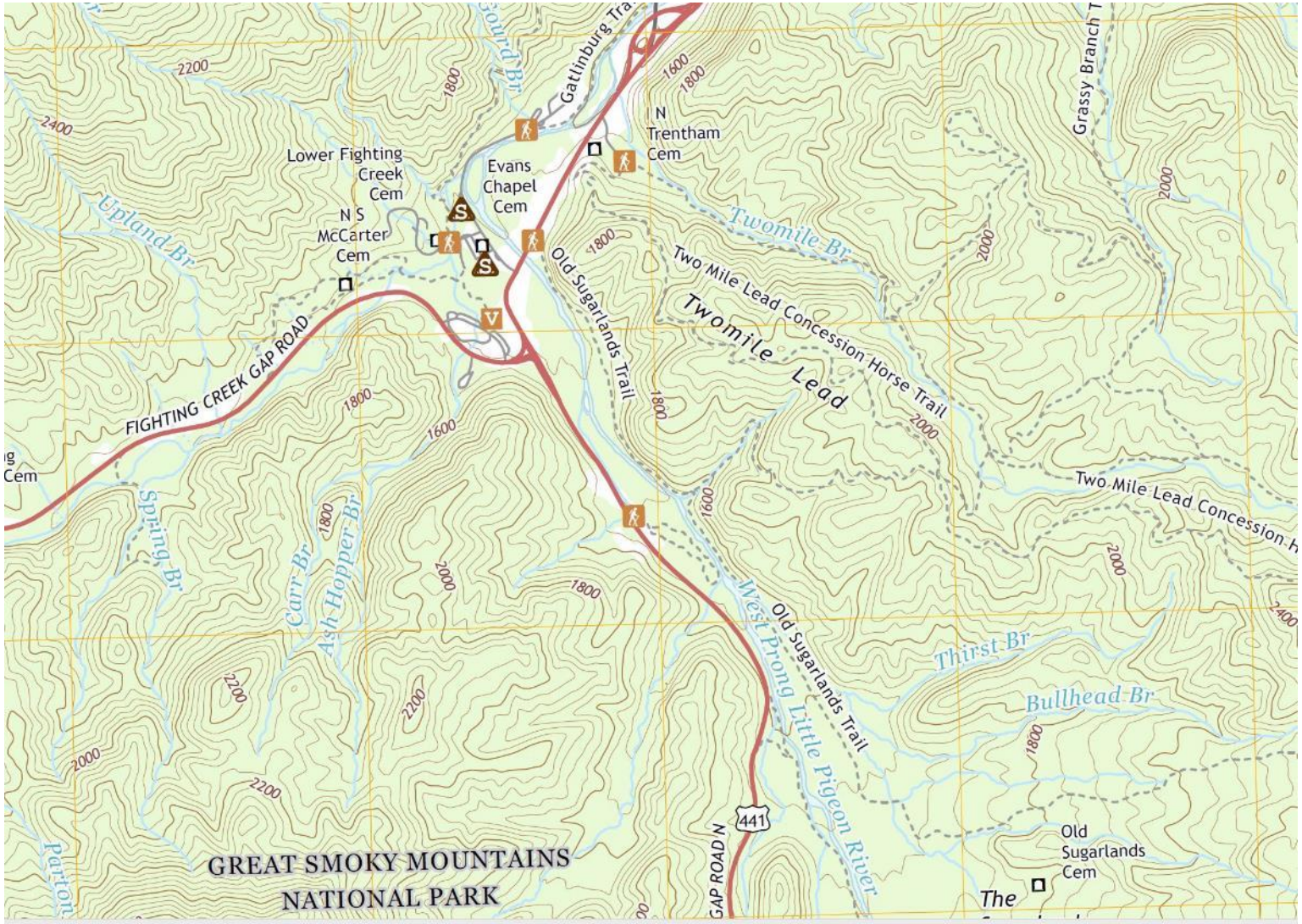
7.5-minute cells covering Great Smoky Mountains National Park



USGS Topo of Great Smokey Mountains NP



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Moving to build up our datasets Regionally

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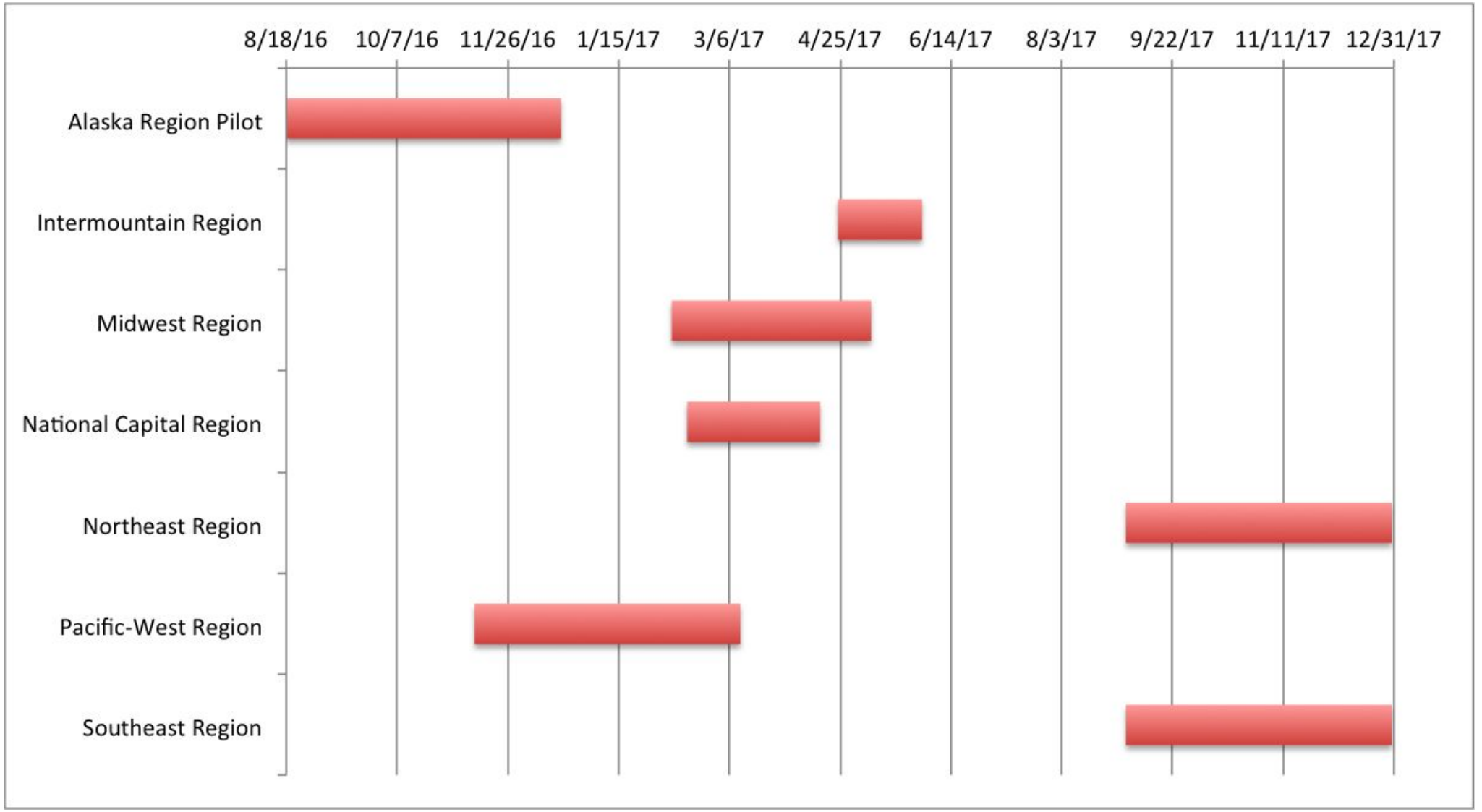

Alaska and Pacific West Regions

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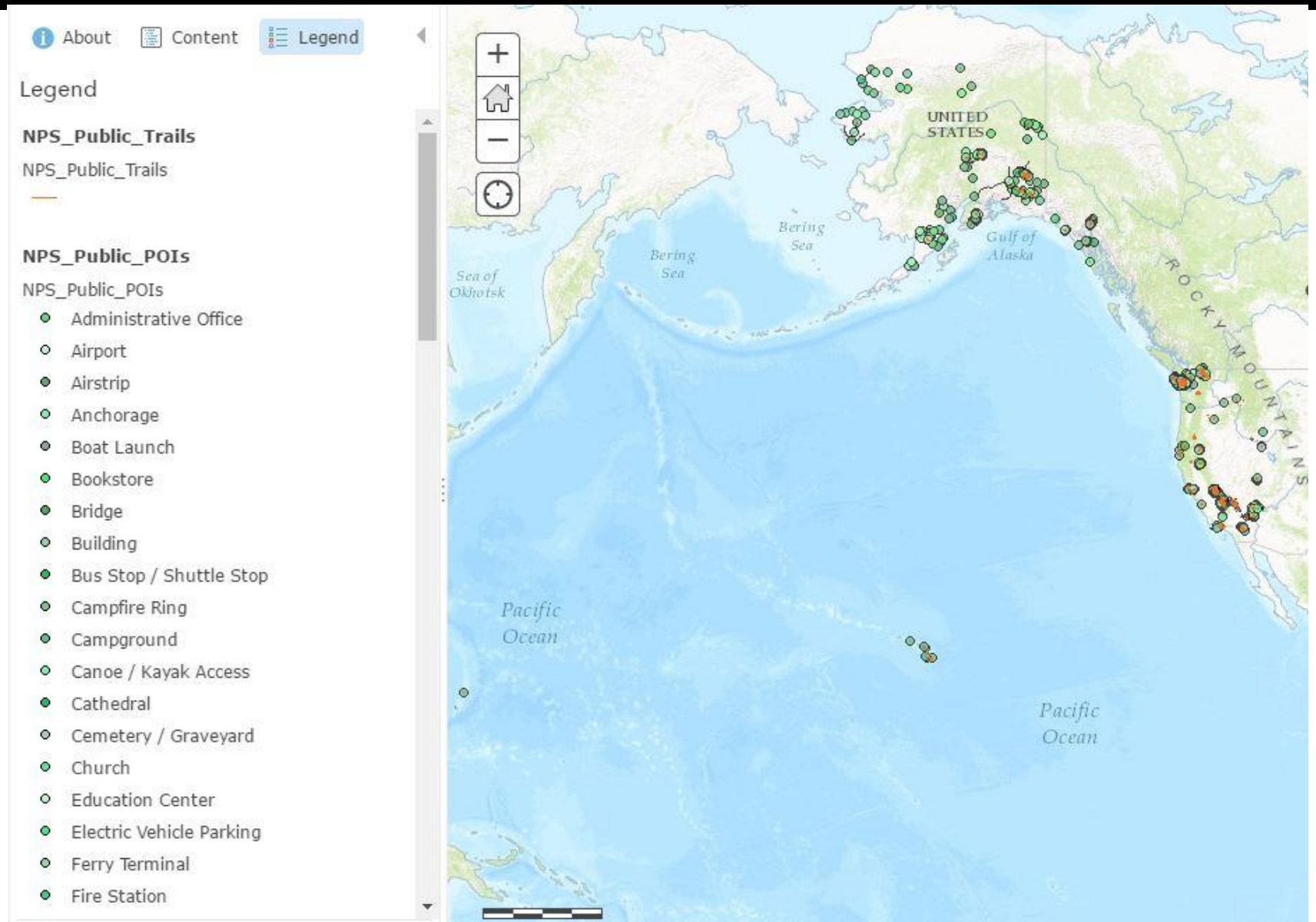
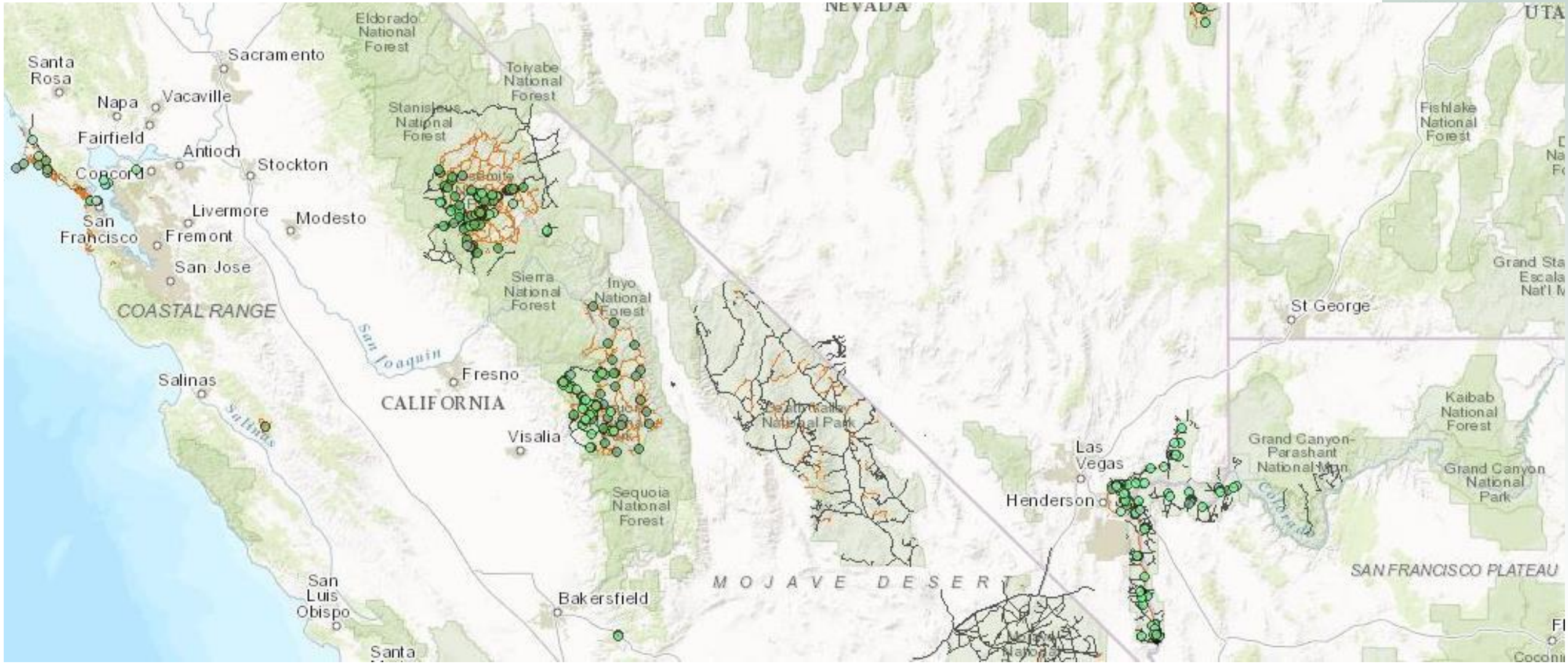


Pacific West Region closeup



Internal NPS Mapservices

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NPS National Geospatial Program Data Services Directory

Home > services

JSON | SOAP

Folder: /

Folders:

- AML
- Buildings
- ElevationProject
- NPSNavigator2
- Services
- System
- Testing
- Utilities
- Wilderness
- WildlandFire

Services:

- Access_Line (MapServer)
- CAHA_Birds (FeatureServer)
- CAHA_Birds (MapServer)
- CivilWarBattleFields (MapServer)
- CongDists (MapServer)
- DOI_NationalTrails (MapServer)
- FederalLandsToParks (FeatureServer)
- FederalLandsToParks (MapServer)
- MaintainedLandscapes (MapServer)
- NPSNationalTrails (MapServer)
- NPSRegions (MapServer)
- NPSUnits (MapServer)
- ParkTrails (MapServer)
- PointsofInterest (MapServer)
- USCounties2000 (MapServer)
- USGSQuads (MapServer)
- WildandScenicRivers (MapServer)

Supported Interfaces: REST SOAP Sitemap Geo Sitemap

Internal National Dataset Services

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NPS National Geospatial Program Data Services Directory

Home > services > Testing

JSON | SOAP

Folder: Testing

Services:

- Testing/NPS_Internal_POIs_GCS_NAD83 (FeatureServer)
- Testing/NPS_Internal_POIs_GCS_NAD83 (MapServer)
- Testing/NPS_Internal_POIs (FeatureServer)
- Testing/NPS_Internal_POIs (MapServer)
- Testing/NPS_Internal_Roads_GCS_NAD83 (FeatureServer)
- Testing/NPS_Internal_Roads_GCS_NAD83 (MapServer)
- Testing/NPS_Internal_Roads (FeatureServer)
- Testing/NPS_Internal_Roads (MapServer)
- Testing/NPS_Internal_Trails_GCS_NAD83 (FeatureServer)
- Testing/NPS_Internal_Trails_GCS_NAD83 (MapServer)
- Testing/NPS_Internal_Trails (FeatureServer)
- Testing/NPS_Internal_Trails (MapServer)
- Testing/NPS_Public_POIs_GCS_NAD83 (FeatureServer)
- Testing/NPS_Public_POIs_GCS_NAD83 (MapServer)
- Testing/NPS_Public_POIs (FeatureServer)
- Testing/NPS_Public_POIs (MapServer)
- Testing/NPS_Public_Roads_GCS_NAD83 (FeatureServer)
- Testing/NPS_Public_Roads_GCS_NAD83 (MapServer)
- Testing/NPS_Public_Roads (FeatureServer)
- Testing/NPS_Public_Roads (MapServer)
- Testing/NPS_Public_Trails_GCS_NAD83 (FeatureServer)
- Testing/NPS_Public_Trails_GCS_NAD83 (MapServer)
- Testing/NPS_Public_Trails (FeatureServer)
- Testing/NPS_Public_Trails (MapServer)

Supported Interfaces: REST SOAP Sitemap Geo Sitemap

Feature and Map Services

NPS National Geospatial Program Data Services Directory

Home > services > Testing > NPS_Public_Trails_GCS_NAD83 (FeatureServer)

JSON | SOAP

Testing/NPS_Public_Trails_GCS_NAD83 (FeatureServer)

View In: ArcGIS.com Map

View Footprint In: ArcGIS.com Map

Service Description: This feature class contains lines representing formal and informal trails as well as routes within and across National Park Units. This dataset uses a set of core attributes designed by the NPS enterprise geospatial committee.

Has Versioned Data: false

MaxRecordCount: 30000

Supported Query Formats: JSON, AMF

Layers:

- NPS_Public_Trails (0)

Description:

Copyright Text: NPS, AKRO, K.Waterman(Kawerak Inc.), Noah Naylor(NW Arctic Borough), S.Georgette(USFWS-Selawik), B.Saito(ADFG-Kotzebue), C.Nayokpuk(Nayokpuk Services, Shishmaref), W.Guess,(NPS, Nome), M.Johnson(NPS,Kotzebue), J.Cusick, S. Devenney (NPS, GIS Team, Anchorage), URS(Anchorage), D.Kurtz, C. Kreidemann, Carson Odhner (NPS,Kenai Fjords), Jon Paynter, B. Schroeder, Steve Homan, Steve Carwile, A. Lindeman, C.Chiodo, A.Jirout,J.Zimmerman,A. Eddington (NPS, Denali NP&P), B. Mangipane, J.Branson, K.Sutton (NPS,Lake Clark NP&P), J.Wilbarger, A.Baldwin, Shawn Jones (NPS,Klondike NP), Parks Canada (Klondike), J.Scott, E.Guthrie, J.Baker S. Southworth, D. Rosenkrans-retired, E. Olson, (Wrangell-St. Elias NP&P), W.Rapp, R.Sherman, D.Vinson (Katmai NP&P), L.Fano, B. Eichenlaub, C.Wagner (Glacier Bay NP&P), C. Smith (Sitka NHP), D. Difolco, A.Freeburg, J.Rasic (Yukon Charley NP), Pat Biard, Michigan Technological University, Social Sciences Department), K. Meyer, B.Anderson (Alaska Regional Office, Natural Resources), D.Gewalt, S. Fierrea (Alaska Regional Office, Cultural Resources), B.Merrill(Alaska Regional Office, Planning), S.Vantrease, B.Huebner, B.Harris (Alaska Regional Office, EPD), B. Strobe, S. Devenney (Alaska Regional Office, Lands). Private companies under contract included Aerometric, Anchorage Alaska, Walker Alaska, Anchorage Alaska, Aeromap, Anchorage Alaska, Quantum Spatial, Anchorage Alaska, R&M Consultants, Anchorage Alaska, Dowl Engineers, Anchorage Alaska, Fielding Link, Landscape Architect, ARO, Anchorage Alaska, Shawn Jones, Archeologist (KLGO, Skagway)

Spatial Reference: 4269 (4269)

Initial Extent:

XMin: -164.87414012367682
YMin: 53.6033348346415

NPS National Geospatial Program Data Services Directory

Home > services > Testing > NPS_Public_Trails_GCS_NAD83 (MapServer)

JSON | SOAP

Testing/NPS_Public_Trails_GCS_NAD83 (MapServer)

View In: ArcGIS JavaScript ArcGIS.com Map Google Earth ArcMap ArcGIS Explorer

View Footprint In: ArcGIS.com Map

Service Description: This feature class contains lines representing formal and informal trails as well as routes within and across National Park Units. This dataset uses a set of core attributes designed by the NPS enterprise geospatial committee.

Map Name: Layers

Legend

All Layers and Tables

Dynamic Legend

Dynamic All Layers

Layers:

- NPS_Public_Trails (0)

Description:

Copyright Text: NPS, AKRO, K.Waterman(Kawerak Inc.), Noah Naylor(NW Arctic Borough), S.Georgette(USFWS-Selawik), B.Saito(ADFG-Kotzebue), C.Nayokpuk(Nayokpuk Services, Shishmaref), W.Guess,(NPS, Nome), M.Johnson(NPS,Kotzebue), J.Cusick, S. Devenney (NPS, GIS Team, Anchorage), URS(Anchorage), D.Kurtz, C. Kreidemann, Carson Odhner (NPS,Kenai Fjords), Jon Paynter, B. Schroeder, Steve Homan, Steve Carwile, A. Lindeman, C.Chiodo, A.Jirout,J.Zimmerman,A. Eddington (NPS, Denali NP&P), B. Mangipane, J.Branson, K.Sutton (NPS,Lake Clark NP&P), J.Wilbarger, A.Baldwin, Shawn Jones (NPS,Klondike NP), Parks Canada (Klondike), J.Scott, E.Guthrie, J.Baker S. Southworth, D. Rosenkrans-retired, E. Olson, (Wrangell-St. Elias NP&P), W.Rapp, R.Sherman, D.Vinson (Katmai NP&P), L.Fano, B. Eichenlaub, C.Wagner (Glacier Bay NP&P), C. Smith (Sitka NHP), D. Difolco, A.Freeburg, J.Rasic (Yukon Charley NP), Pat Biard, Michigan Technological University, Social Sciences Department), K. Meyer, B.Anderson (Alaska Regional Office, Natural Resources), D.Gewalt, S. Fierrea (Alaska Regional Office, Cultural Resources), B.Merrill(Alaska Regional Office, Planning), S.Vantrease, B.Huebner, B.Harris (Alaska Regional Office, EPD), B. Strobe, S. Devenney (Alaska Regional Office, Lands). Private companies under contract included Aerometric, Anchorage Alaska, Walker Alaska, Anchorage Alaska, Aeromap, Anchorage Alaska, Quantum Spatial, Anchorage Alaska, R&M Consultants, Anchorage Alaska, Dowl Engineers, Anchorage Alaska, Fielding Link, Landscape Architect, ARO, Anchorage Alaska, Shawn Jones, Archeologist (KLGO, Skagway)

Spatial Reference: 4269 (4269)

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External Mapservices

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RISD Public REST Services Directory

Home > services

JSON | SOAP

Folder: /

Folders:

- akr
- cultural_resources
- Hydro
- pwr
- ser
- upde
- Wilderness
- WildlandFire

Services:

- Access_Line_Map (MapServer)
- LandResourcesDivisionTractAndBoundaryService (MapServer)

Supported Interfaces: REST SOAP Sitemap Geo Sitemap

QUESTIONS?

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National GIS Coordinatoor
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