Alaska Statewide Comprehensive Outdoor Recreation Plan 2023 – 2027 Recreational Supply GIS

Presented By:
Gary Greenberg
Alaska Map Company, LLC

What is a SCORP?

The Statewide Comprehensive Outdoor Recreation Plan (SCORP) serves as a guide for all public outdoor recreation in urban and rural neighborhoods, cities, and regions. Provides direction for $37.5 million in LWCF ($25m) and RTP ($12.5m) funding priorities over next five years.

"GIS is a core decision making tool for the next 100 years in the outdoor recreation industry. The sooner we embed GIS at every stage of decision making, the sooner we'll get to better decisions"
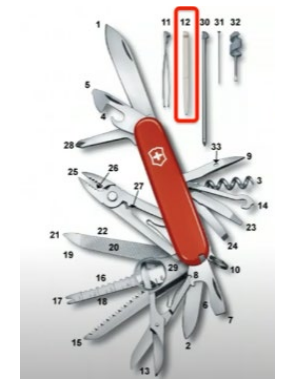
Ricky Gease
State Parks Director
AK State Parks (DNR DPOR)

STATEWIDE COMPREHENSIVE

ALASKA

SCORP

2023-27

OUTDOOR RECREATION PLAN

Recreational Supply GIS Goals

The Underutilization of GIS and How to Cure It:
An ArcGIS Hub Webinar
https://www.youtube.com/watch?v=xzltxwHgopg

1. Develop a lasting resource that goes beyond the report
   GIS is more than MAP
2. Develop consistent statewide datasets to support the mobility demand analysis
3. Develop process for maintaining and improving the statewide GIS supply (Rising tide lifts all boats)
4. Create centralized public access HUB for data and dashboards and useful statewide digital products.
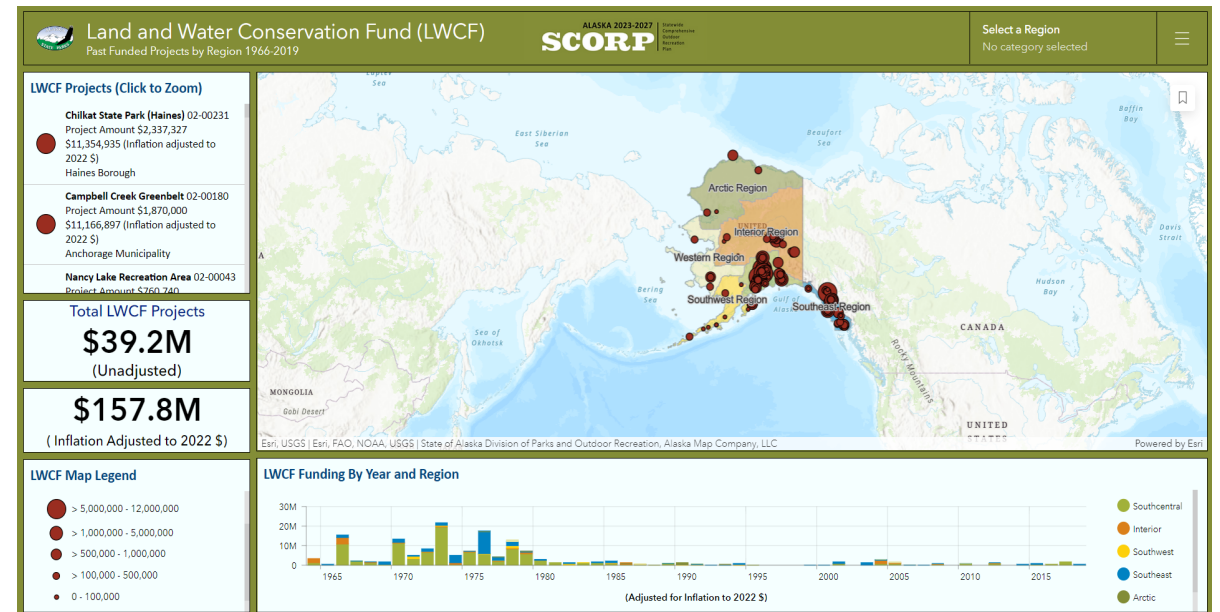5. Share templates to guide standards and help small communities to develop data.

GIS is more Than MAP
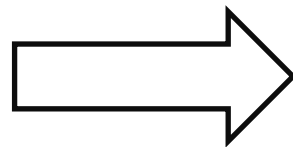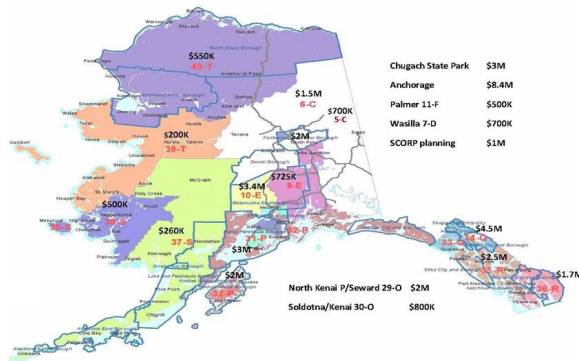1. Spatial Analysis – Cell Phone Analysis
2. Apps – Dashboards and Story Map
3. Data Management – Data Management Process
4. Content Development – Geodatabase design
5. Community Engagement – Build HUB user base
12. Mapping and Visualization

1) Gather Data

Most local Government Agencies have internal data. Acquiring these data can not currently be automated.

Internal GIS Repository

Most Federal and State Agencies publish their data online in an open data portal. Acquiring these data can be automated.

Open Data

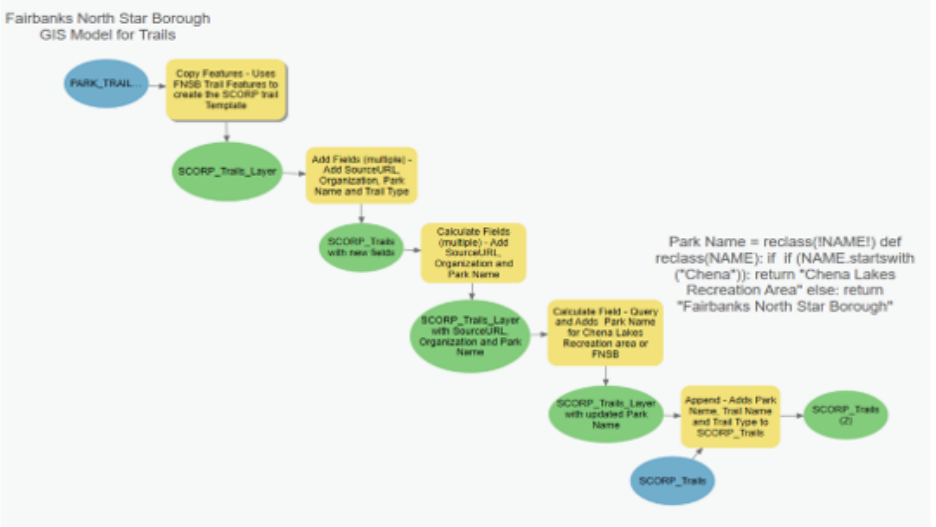# 2) Add to Layer Mapping Matrix and Supply Map

Layer Mapping Matrix helps to document and guide the consolidation of layers from outside sources into the appropriate SCORP Layer

Theme	Organization	Layer Name
Parks	Fairbanks North Star Borough	Fairbanks North Star Borough Parks and Rec Facilities
	Municipality of Anchorage	Anchorage Parks and Rec Land
	US Fish and Wildlife Service	U.S. Fish & Wildlife Service National Wilderness Boundary
	US National Park Service	National Park Boundary
	US Natonal Forest Service	National Forest Service Administrative Boundaries Tongass
	US Natonal Forest Service	National Forest Service Administrative Boundaries Chugach
	SOA Department of Parks and Recreation	Alaska State Park Boundary
	SOA Department of Natural Resources	Alaska Legislatively Designated Area
	Matanuska-Susitna Borough	Matanuska-Susitna Borough Recreational Local Parks
	SOA Department of Fish and Game Boundaries	
Boundary		
	US Bureau of Land Management	Bureau of Land Managment Alaska District Office Boundary
	US Bureau of Land Management	Bureau of Land Managment Alaska Field Office Boundary
	US Bureau of Land Management	Bureau of Land Managment Alaska USA/Canada Boundary
	US Bureau of Land Management	Bureau of Land Managment Alaska Administrative Boundaries
	SOA Dept. of Commerce, Community, & Economic Development	Alaska City Boundaries
	SOA Dept. of Commerce, Community, & Economic Development	Alaska Borough and Census Area Boundaries
	SOA Dept. of Commerce, Community, & Economic Development	Alaska Native Claims Settlement Act Native Corperations
	US Bureau of Ocean and Energy Management	Submerged Lands Act Boundary
Trails		
	Fairbanks North Star Borough	Fairbanks North Star Borough Park Trails
	Municipality of Anchorage	Anchorage Parks and Rec Merged
	Matanuska-Susitna Borough	Matanuska-Susitna Borough Seperated Paths
	Sitka Borough	Sitka Official Trails
	Kenai Peninsula Borough	Kenai Peninsula Borough Trails
	US National Park Service	National Park Trails
	US Natonal Forest Service	National Forest Service Trails
	SOA Department of Parks and Recreation	Alaska State Park Trail
	SOA Department of Natural Resources	Alaska RS2477 Historic Transportation Routes
	SOA Department of Natural Resources	Alaska Department of Natural Resources Easements Line
	SOA Department of Natural Resources	Alaska DOT Trails Inventory 1973
Facilities		

3) Review Data, Schema, Create Field Mapping Matrix and Models

Field Mapping Matrix helps to guide the migration of fields from the source data to the SCORP data model. Includes information for field size, data source, required query, layer name.

Layer:	FNSB Park Trails
Organization	FNSB
Source:	https://services.arcgis.com/f4rR7WnlfGBdVYFd/arcgis/rest/services/PARK_TRAILS_FNSB/FeatureServer
Query:	None

Crosswalk Data - Geoprocessing Models is used to automate the crosswalk of data from source to the destination geodatabase. The model contans a few sepcific elements 1) Query to Eliminate features that are not to be included in the SCORP. These features can be out of state, Redundant with the organization. 2) the addition of a source organization and link to the source data. 3) Any additional modifications that are required to fit the data into the SCORP Model.

Fairbanks North Star Borough
GIS Model for Trails

Park Name = reclass(!NAME!) def reclass(NAME): if if (NAME.startswith ("Chena")): return "Chena Lakes Recreation Area" else: return "Fairbanks North Star Borough"

SCORP Data Model (Minimum Requirements)

Data models vary in size and complexity, but most have a set of minimum fields in common that serve to support basic functions of the data. The SCORP Model works with this minimum existing data fields in order to create the inventory recreational supply. Documenting these minimum requirements can help organizations with limited GIS capabilities to produce usable data by populating the template geodatabase developed for the SCORP.

Minimum Geodatabase Layers

- ParksandRecreation
  - SCORP_Facilities
  - SCORP_Parks
  - SCORP_Regions
  - SCORP_Roads
  - SCORP_Trails

SCORP_Parks - Caines Head State Recreation Area

ParkName	Caines Head State Recreation Area
ParkType	State Recreation Area
SourceURL	https://data-soa-dnr.opendata.arcgis.com/c
Organization	State of Alaska (DPOR)

SCORP_Trails - Caines Head State Recreation Area

Park_Name	Caines Head State Recreation Area
Trail_Type	Terra
Trail_Name	Caines Head
Length_Miles	7.370185
SourceURL	https://data-soa-dnr.opendata.arcgis.com
Organization	State of Alaska (DPOR)

SCORP_Facilities - Caines Head

OBJECTID	680
FacilityName	Derby Cove Cabin
Park_Name	Caines Head State Recreation Area
FacilityType	Cabin
SourceURL	https://arcgis.dnr.alaska.gov/arcgis/
Organization	State of Alaska (DPOR)

Trails

	State Parks Trails	FNSB Trails	MOA Trails	KPB Trails	NPS Trails	NFS Trails	ANWR Trails	ADNR RS2477 Trails	ADNR Navigable Water	STW Trails	CBJ Trails	COV Trails
Minimum SCORP Fields	Park_Name		Trail_System	TRAIL SYSTEM	UNITNAME	SECURITY_ID	station		NAME	Managing Organization		
	Trail_Name	NAME	Trail_Name	TRAIL NAME	TRLNAME	TRAIL_NAME	name	RSTNAME	GNIS_NAME	Trail Name	Name	Name
	Trail_Type	TYPE			TRLTYPE	TRAIL_TYPE	surface		SYMBOL_CAT			
Additional Fields	Bikes_Allowed	STATUS	Data_Source	MILES	TRLALTNAME	TRAIL_NO	FID	OBJECTID	OBJECTID	OBJECTID	FID	FID
	Motorized_Allowed	NOTES		USE	MAPLABEL	TRAIL_CN	OBJECTID	STATUS	GNIS_ID	Trail Alternative Name	Shape	Shape
	Length Miles			LINK	TRLSTATUS	BMP	manage_use	WIDTH	FIRST_FCOD	Map Label	Surface	OBJECT_ID
				METERS	TRLSURFACE	EMP	alt_type	RSTNO	H_LINK	Trail Number	Trail_Visi	OBJECT_ID1
					TRLCLASS	SEGMENT_LENGTH	t_class	YEAR_	STATE_NAV_	Trail Surface	Assisted_T	type
					TRLUSE	ADMIN_ORG	surf_firm	QUALIFY	BLM_NAV_ST	Trail Class	ADA_Access	USE_
					PUBLICDISPLAY	MANAGING_ORG	width	SHAPE.LEN	WITHDRAWL	Prohibited Use	Ford	Notes
					DATAACCESS	ATTRIBUTESUBSET	sec_length	GLOBALID	LENGTHMILE	Type of Route	Sac_Scale	D
					ACCESSNOTES	NATIONAL_TRAIL_DESIGNATION	area	Shape	HUC	Primary Trail Maintainer	Shelter	USE2
					ORIGINATOR	TRAIL_CLASS	avg_grade		LABEL	Designed Use	Owner	Shape_STLe
					UNITCODE	TERRA_BASE_SYMBOLOGY	avg_slope		NAVSUSCEPT	Managed Use	Length_mil	
					UNITTYPE	ACCESSIBILITY_STATUS	acc_info		REMARKS	Administrative Organization	Length_fee	
					GROUPCODE	TRAIL_SURFACE	infor_type		SHAPE_LENG	ISLAND	Parking	
					GROUPNAME	SURFACE_FIRMNESS	tr_desig		DETERM_DAT	Shared System	Date_Last_	
					REGIONCODE	TYPICAL_TRAIL_GRADE	state		RDI_STATUS	Road System	Gain_ft	
					CREATEDDATE	TYPICAL_TREAD_WIDTH	county		Date Verified	State	Incline_pe	
					EDITDATE	MINIMUM_TRAIL_WIDTH	region		Date of Data Entry	Edit Date	Comments	
					LINETYPE	TYPICAL_TREAD_CROSS_SLOPE	elem_id		ENTRY_NAME	Agency Data Source	Data_Sourc	
					MAPMETHOD	SPECIAL_MGMT_AREA	org_code		VERIF_NAME	YYYYMMDD Imported	CBJ_ID	
					MAPSOURCE	MVUM_SYMBOL	trail_no		ENTRY_COMMENTS	Notes	Lucity_ID	
					EDITDATE	ALLOWED_TERRA_USE	sec_no		AS38 Nav Criteria	Geometry ID	Max_PDOP	
					XYACCURACY	ALLOWED_SNOW_USE	samms_no		Navigable based on International Treaty	Shape__Length	Max_HDOP	
					GEOMETRYID	HIKER_PEDESTRIAN_MANAGED	alt_samms		QUIETTITLE	Trail Type	Corr_Type	
					FEATUREID	HIKER_PEDESTRIAN_ACCPT_DISC	address		Shape	National Trail Designation	Rcvr_Type	
					FACLOCID	HIKER_PEDESTRIAN_RESTRICTED	phone			XY Accuracy	GPS_Date	
					FACCASSETID	PACK_SADDLE_MANAGED	district			GlobalID	GPS_Time	
					IMLOCID	PACK_SADDLE_ACCPT_DISC	trail_desc			Shape	Update_Sta	
					OBSERVABLE	PACK_SADDLE_RESTRICTED	begin_mp				Feat_Name	
					ISEXTANT	BICYCLE_MANAGED	end_mp				Datafile	
					OPENTOPUBLIC	BICYCLE_ACCPT_DISC	from_				Unfilt_Pos	
					ALTLANGNAME	BICYCLE_RESTRICTED	to_				Filt_Pos	
					ALTLANG	MOTORCYCLE_MANAGED	cycle_id				Data_Dicti	
					SEASONAL	MOTORCYCLE_ACCPT_DISC	gps_date				GPS_Week	
					SEASDESC	MOTORCYCLE_RESTRICTED	datafile				GPS_Second	
					MAINTAINER	ATV_MANAGED	fci_tr				GNSS_Lengt	
					NOTES	ATV_ACCPT_DISC	cond_tr				GNSS_3DLen	
					StagingTable	ATV_RESTRICTED	crv_tr				Avg_Vert_P	
					Shape.STLength()	FOURWD_MANAGED	dm_tr				Avg_Horz_P	
					Measure	FOURWD_ACCPT_DISC	Shape_Leng				Worst_Vert	
					Mimimum Measure	FOURWD_RESTRICTED	GlobalID				Worst_Horz	
					Maximum Measure	SNOWMOBILE_MANAGED	Shape_Length				Line_ID	
					Measure Values	SNOWMOBILE_ACCPT_DISC	Shape					

Field Mapping Matrix

SCORP_Facilities

FacilityID	String
FacilityName	String
FacilityType	String
FacilityDescription	String
FacilityWebsite	String
ParkID	String
ParkName	String
SourceURL	String
Organization	String

SCORP_Parks

ParkID	String
ParkName	String
ParkType	String
ParkDescription	String
ParkDistrict	String
ParkUnit	String
ParkWebsite	String
SourceURL	String
Acreage	Double
Organization	String

SCORP_Trails

TrailID	String
TrailName	String
TrailSystemName	String
TrailType	String
TrailDescription	String
TrailWebsite	String
SourceURL	String
Organization	String
ParkID	String
ParkName	String
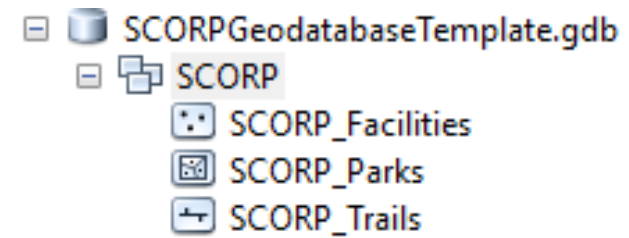
- SCORPGeodatabaseTemplate.gdb
  - SCORP
    - SCORP_Facilities
    - SCORP_Parks
    - SCORP_Trails

National Park Service Official Style

Official style for ArcGIS Pro created by the National Park Service

Desktop Style from National Park Service
Managed by SvcNISCGISSQLtk@nps.doi.net_nps

Item created: Oct 8, 2021   Item updated: Nov 3, 2021   Number of downloads: 1,412

Authoritative

Download

Air Strip	Enterance Station	Mechanic	Swimming Area
Airport	Event Facility	Metal Detecting	Tennis
Art	Exercise/Fitness	Milepost	Tidepooling
Automobile	Fire Lookout	Monument	Trailhead
Baseball/Softball	First Aid Station	Motorboating	Trailhead Information
Beach	Fishing	Museum	Train Station
Bear Box	Flag	Other	Tramway
Bench	Flower Viewing	Overlook	UTV
Bicycle Trail	Food Box / Food Cache	Parking Lot	Vault Toilet
Boat Launch	Food Service	Pets on Leash	Vehicle Ferry
Bookstore	Ford	Picnic Area	Viewing Area
Bridge	Gas Station	Playground	Viewpoint
Bus Stop / Shuttle Stop	Gate 1	Point of Interest	Visitor Center
Cabin	Golf Course	Post Office	Volleyball
Campfire Ring	Hiking	Primitive Camping	Walk on Boardwalk
Campground	Horseback Riding	Primitve Camping	
Camping	Hospital	Ranger Station	
Campsite	Hunting	Restroom	
Canoe / Kayak Access	Ice Fishing	Rock Collecting	
Cave Enterance	Ice Rink	Rowboating	
Chair Lift/Ski Lift	Information	RV Campground	
Chapel	Interpretive Exhibit	Seaplane Base	
Climbing	Library	Shelter	
Community Garden	Lighthouse	Showers	
Cross-Country Ski Trail	Litter Receptacle	Skateboarding	
Dam	Lockers / Storage	Sledding	
Downhill Ski Trail	Lockers/Storage	Snowmobile Trail	
Dumpster	Lodging	Stay on Trail	
Emergencies	Marina	Store	

Trail Type Domain

Terra

Water

Winter

RS2477

Facility Type Domain

300 different facility types standardized to 90 NPS styles

SCORP Geodatabase

ALASKA 2023-2027

SCORP | Statewide Comprehensive Outdoor Recreation Plan

Geoprocessing Models

Organization	Parks	Trails	Facilities
City and Borough of Juneau	X	X	
City of Valdez	X	X	X
Fairbanks North Star Borough		X	
Kenai Peninsula Borough		X	X
Mat-Su Borough	X		X
Municipality of Anchorage	X	X	X
Sitka Trail Works		X	X
State of Alaska (ADFG)			X
State of Alaska (DNR)	X	X	
State of Alaska (DPOR)	X	X	X
State of Alaska (MHT)	X		
US Bureau of Land Management	X		
US Fish and Wildlife Service	X	X	X
US Forest Service	X	X	X

P1) SCORP Parks Template
P1) SCORP Parks USFS
P2) SCORP Parks NPS
P3) SCORP Parks BLM
P4) SCORP Parks USFWS
P4a) SCORP Parks USFWS Template
P4b) SCORP Parks USFWS (Wilderness Areas)
P4c) SCORP Parks USFWS (Non-Wilderness Areas)
P4d) SCORP Parks USFWS (Inholdings)
P5) SCORP Parks DPOR
P6) SCORP Parks LDA
P7) SCORP Parks Mental Health
P8) SCORP Parks Special Use Land
P9) SCORP Parks University
P10) SCORP Parks MOA
P11) SCORP Parks MSB
P12) SCORP Parks CBJ
P13) SCORP Parks City of Valdez
P20) SCORP Parks Final
P21) SCORP Parks Dissolve

F1) SCORP Facilities Alaska State Parks Template
F2) SCORP Facilities National Forest Service
F3) SCORP Facilities National Park Service Points of Interest
F4) SCORP Facilities National Wildlife Refuge System Trail Features
F5) SCORP Facilities Alaska Department of Fish and Game Sport Fishing Access Trails
F6) SCORP Facilities Alaska Department of Fish and Game Sport Fishing Opportunities
F7) SCORP Facilities Alaska Department of Fish and Game Launch Ramps
F8) SCORP Facilities Alaska Department of Fish and Game Harbors
F9) SCORP Facilities Municipality of Anchorage Park Facilities
F10) SCORP Facilities Municipality of Anchorage Trail Posts
F11) SCORP Facilities Matanuska-Susitna Borough Recreational Facitilies
F12) SCORP Facilities Matanuska-Susitna Borough Recreational Waterbody Access
F13) SCORP Facilities Sitka Trail Works Cabins and Shelters
F14) SCORP Facilities Kenai Peninsula Borough Faciliites
F15) SCORP Facilities City of Valdez Playgrounds
F16) SCORP Facilities City of Valdez Restrooms

T1) SCORP Trails Alaska State Parks Template
T2) SCORP Trails National Park Service
T3) SCORP Trails National Forest Service
T4) SCORP Trails Fairbanks North Star Borough
T5) SCORP Trails Municipality of Anchorage
T6) SCORP Trails Sitka Trail Works
T7) SCORP Trails Kenai Peninsula Borough
T8) SCORP Trails National Wildlife Refuge Trails
T9) SCORP Trails Department of Natural Resources Waters
T10) SCORP Trails RS2477 Historic Transportation
T11) SCORP Trails City of Juneau Trails
T12) SCORP Trails City of Valdez Trails
T13) SCORP Snowtrack trails

SCORP GIS Hub Site - The purpose of this hub site is to centralize the management of Statewide GIS assets related to Outdoor Recreation.

Data Contribution Survey

Allows GIS data managers to contribute data

Data Section

Allows GIS data managers to download data

Application Section

Maps and Dashboards for data managers, park managers, park users and planners

Development Section

Template geodatabase to enable development of GIS data
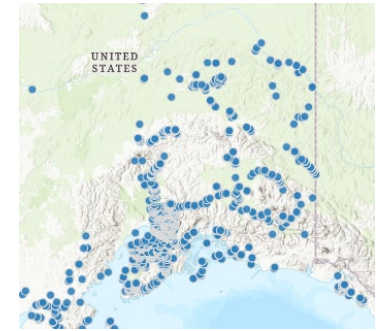
ALASKA 2023-2027 | Statewide Comprehensive Outdoor Recreation Plan

SCORP

Data Maintenance Process

1) Data received via Survey 123
2) Becomes visible on City and Borough Map
3) Information from survey is transferred to Borough and City (Contributors) Layer
4) Data is downloaded
5) New model is created
6) Old layer is removed from current SCORP GDB by query of source organization
7) Model is completed and run to add new or updated Layer
8) SCORP layers are updated

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SCORP

Communities contacted for GIS data.

- Fairbanks North Star Borough
- City and Borough of Juneau
- Matanuska-Susitna Borough
- Kenai Peninsula Borough
- Municipality of Anchorage
- Valdez
- Municipality of Skagway
- Ketchikan Gateway Borough
- City and Borough of Sitka
- Petersburg Borough
- City and Borough of Wrangell
- City and Borough of Yakutat
- Haines Borough
- Cordova
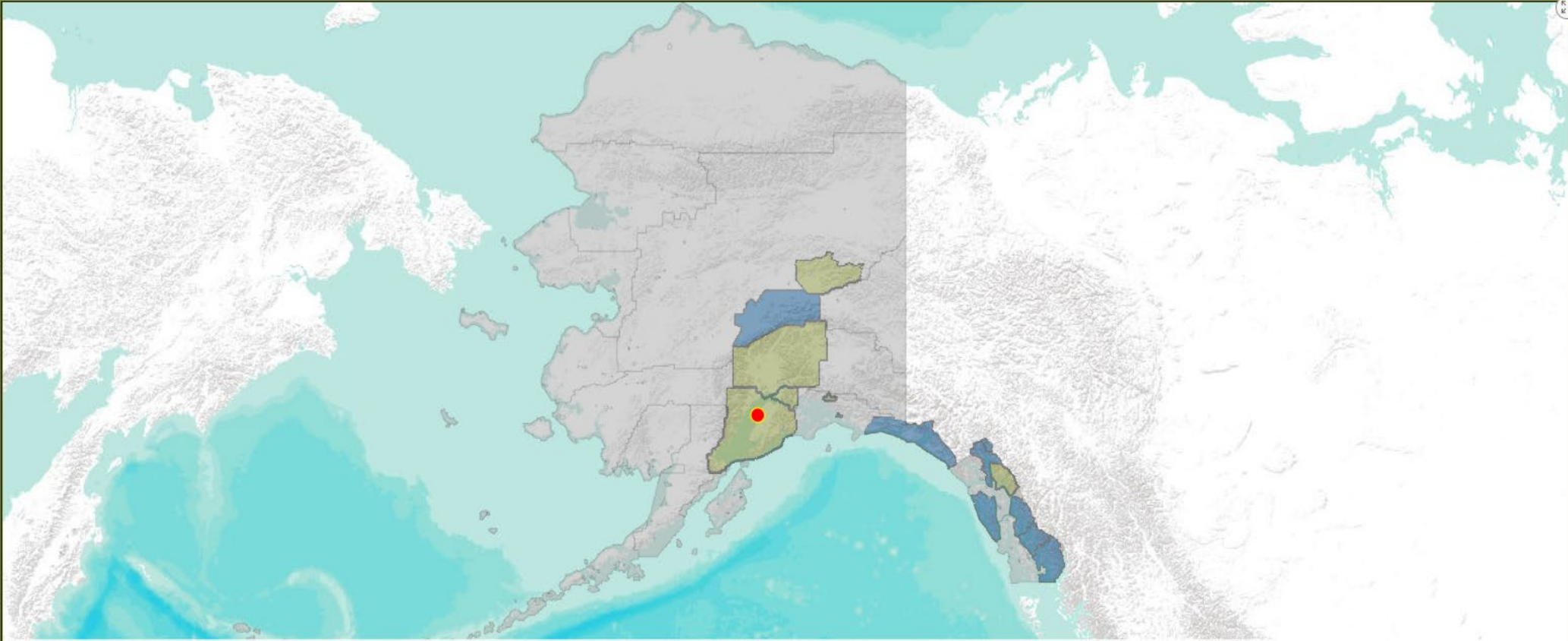
Sources: Esri, USGS, NOAA | State of Alaska Division of Parks and Outdoor Recreation, Alaska Map Company, LLC

Powered by Esri

New Data Contributions

Organization: City of Kenai
Submitted: 10/5/2022, 2:28 PM

Contacted for GIS data	Maintain GIS	Maintain GIS for Outdoor Recreation	Contributed data to the SCORP	Total Alaska Communities (Cities, Boroughs and Census Areas)
16	15	12	6	175

Data sources dashboard for data management

Anatomy of the SCORP Geoprocessing models

- Geoprocessing models were created to crosswalk data to SCORP data model
- Provide documentation and repeatable results
- Initial development of the Trails models took several weeks. Recreating the trails with a schema update took less than a day.
- Potential automation using feature services with under 1,000 records
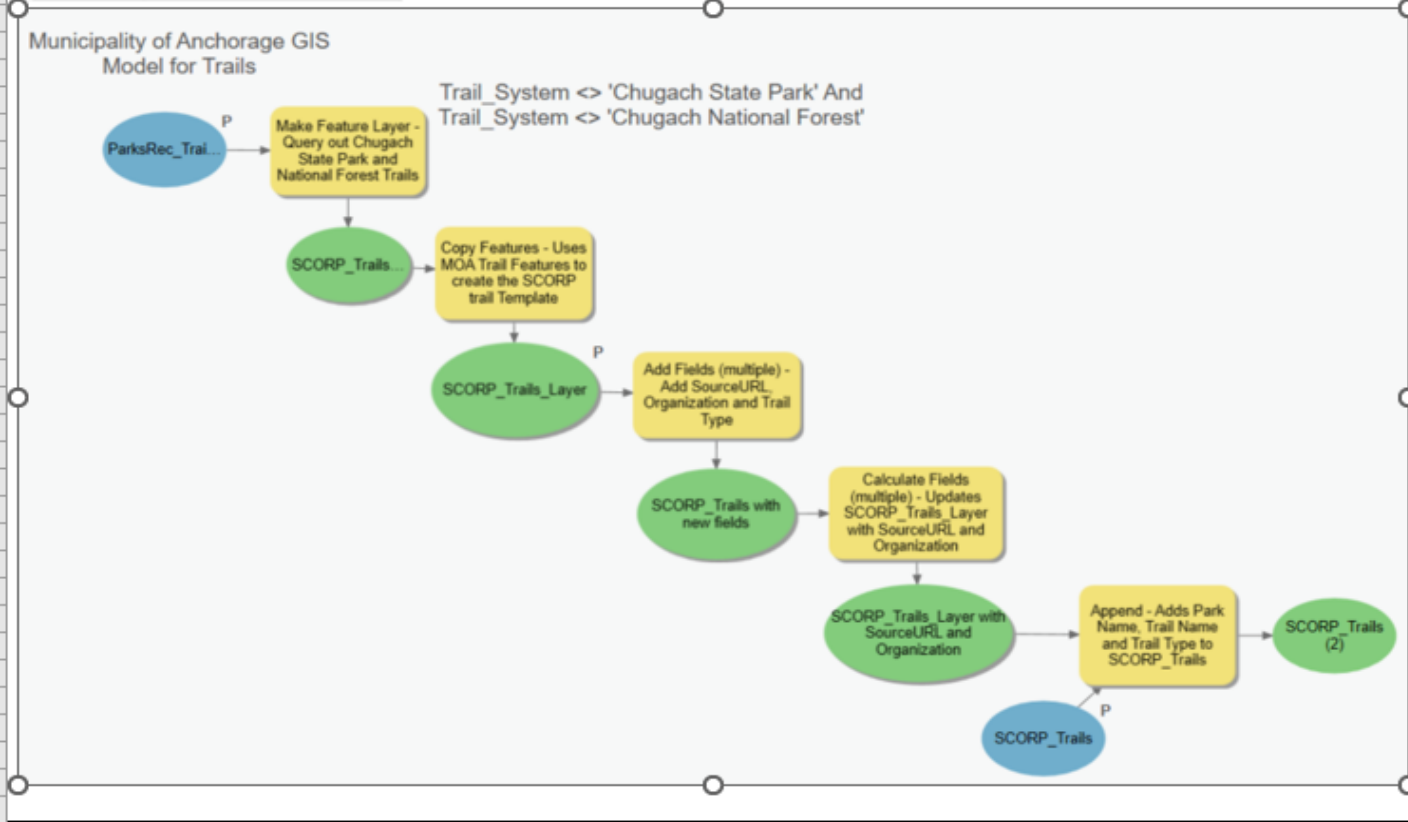
Park Areas
2,506
···
Source: SCORP_Parks

Trail Segments
13,500
···
Source: SCORP_Trails

Recreational Facilities
6,149
···
Source: SCORP_Facilities

LWCF Projects
350
···
Source: SCORP_LWCF_Projects

Statewide Comprehensive Outdoor Recreation Plan (SCORP) HUB

SCORP Parks

Gary Greenberg
Alaska Department of Natural Resources ArcGIS Online

Summary

The purpose of these data is to consolidate recreational lands across the State of Alaska to provide a basis for analyzing use.

View Full Details

Download

Details

Dataset
Feature Layer

October 5, 2022
Info Updated

October 5, 2022
Data Updated

August 1, 2022
Published Date

2,506 Records
View data table

2,506 records

Statewide Comprehensive Outdoor Recreation Plan (SCORP) HUB

SCORP Trails

Gary Greenberg
Alaska Department of Natural Resources ArcGIS Online

Summary

Statewide park trails from various GIS sources.

View Full Details

Download

Details

Dataset
Feature Layer

October 5, 2022
Info Updated

October 5, 2022
Data Updated

May 19, 2022
Published Date

13,574 Records
View data table

13,574 records

Statewide Comprehensive Outdoor Recreation Plan (SCORP) HUB

SCORP Facilities

Gary Greenberg
Alaska Department of Natural Resources ArcGIS Online

Summary

Statewide park facilities from various GIS sources.

View Full Details

Download

Details

Dataset
Feature Layer

October 5, 2022
Info Updated

October 5, 2022
Data Updated

May 11, 2022
Published Date

6,149 Records
View data table

Privately Shared
Select groups can see this content

Custom License
View license details

Metrics

Only showing data for the last 30 days

6,149 records

Data Dissemination

ALASKA 2023-2027
SCORP
Statewide Comprehensive Outdoor Recreation Plan

Interactive SCORP Dashboards

We have created several dashboards to better understand the supply of outdoor recreational lands, trails and assets.

SCORP LWCF Projects

SCORP LWCF Projects Dashboard

Land and Water Conservation Fund Projects 1966 to 2019

SCORP Alaska State Parks System

Alaska State Parks System

"A System of Dreams" - Neil Johannsen

SCORP Priority Projects

SCORP Priority Projects Dashboard

SCORP Priority Projects Dashboard

SCORP Detailed Park Map

SCORP Detailed Park Dashboard

Detailed areas for cell phone analysis.

SCORP Recreational Supply Map

SCORP Recreation Supply Dashboard

SCORP Recreation Supply Dashboard

SCORP Cities and Boroughs

SCORP Cities and Boroughs

Cities and Boroughs

SCORP Regional Map

SCORP Regional Dashboard

SCORP Regional Dashboard
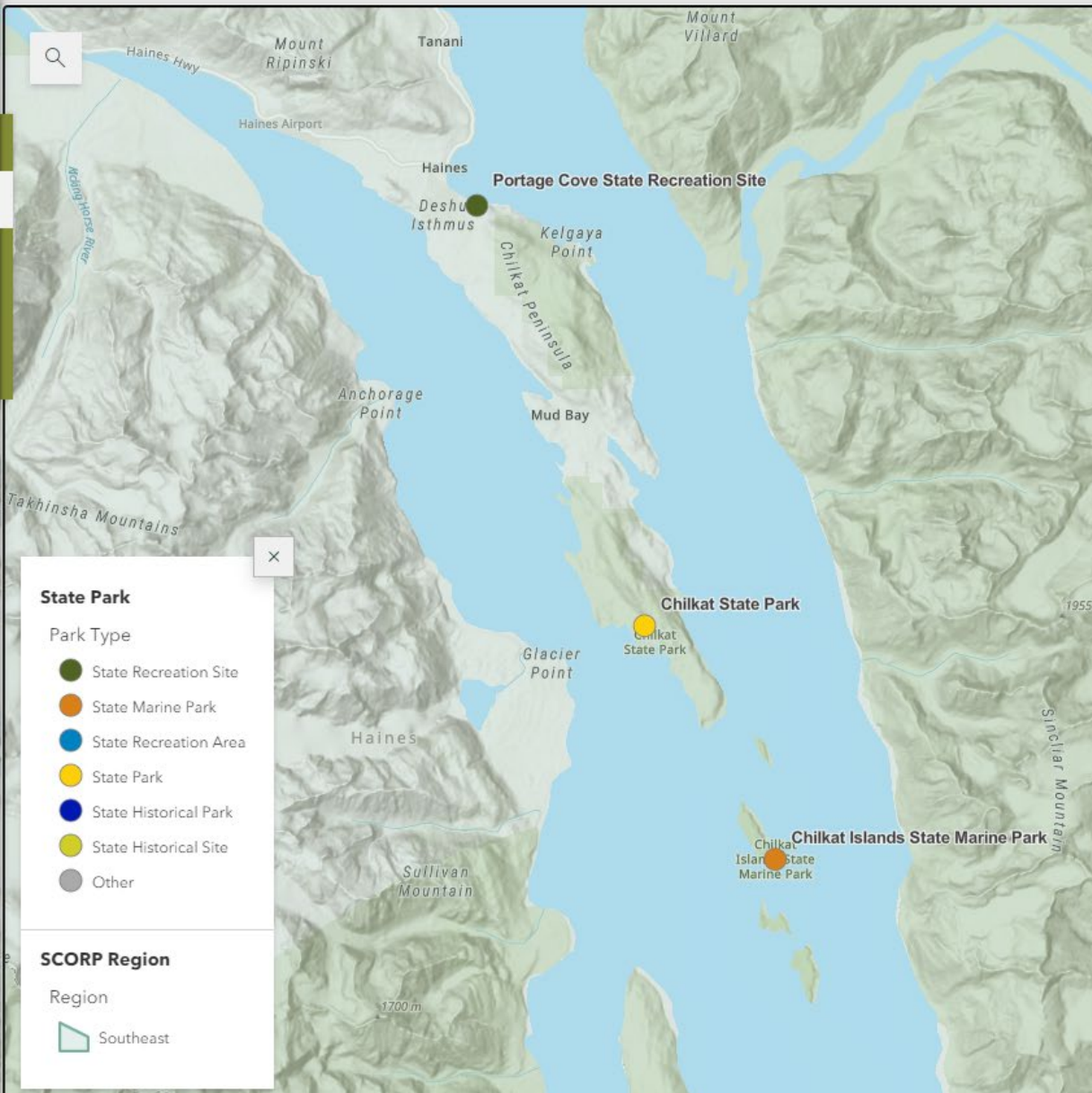
Chilkat State Park

This park offers a log cabin information center, 35-site campground, picnic area, boat launch and trails. The campground sits in a mixed forest of evergreens and deciduous trees at the edge of Chilkat Inlet. The boat launch provides access to the inlet and the run of king salmon in early June. The

State Park

Park Type

- ● State Recreation Site
- ● State Marine Park
- ● State Recreation Area
- ● State Park
- ● State Historical Park
- ● State Historical Site
- ● Other

SCORP Region

Region

- Southeast

Southeast Region
CHILKAT STATE PARK

Facilities
- ★ ADA Facility - Yes
- ★ 9,837 Acres
- ★ 35 Campsites (see fee page)
- ★ 4 Walk-in campsites
- ★ 35' RV size limit
- ★ Camping Limit - 15 days
- ★ Latrines -
- ★ Water
- ★ Picnic sites (4)
- ★ Picnic Shelter (1)
- ★ Trails (3)
- ★ Boat Launch (see fee page)

Useful Information
Chilkat State Park Map

Activities
- ★ Boating
- ★ Camping
- ★ Day use/Picnic
- ★ Fishing
- ★ Hiking

https://dnr.alaska.gov/parks/aspunits/southeast/chilkatsp.htm

Chilkat State Park

Area

Share   Social

https://www.outerspatial.com/areas/chilkat-state-park

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SCORP | Statewide Comprehensive Outdoor Recreation Plan

SCORP Detailed Park Dashboard

ALASKA 2023-2027
SCORP | Statewide Comprehensive Outdoor Recreation Plan

Select an Organization
State of Alaska (DPOR)
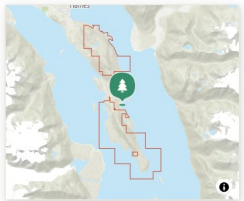
State Marine Park

Mineral Creek State Recreation Site
State Recreation Site

Montana Creek State Recreation Site
State Recreation Site

Moon Lake State Recreation Site
State Recreation Site

Mosquito Cove State Recreation Site
State Recreation Site

Mosquito Lake State Recreation Site
State Recreation Site

Nancy Lake State Recreation Area
State Recreation Area

Nancy Lake State Recreation Site
State Recreation Site

Parks | Trails | Facilities
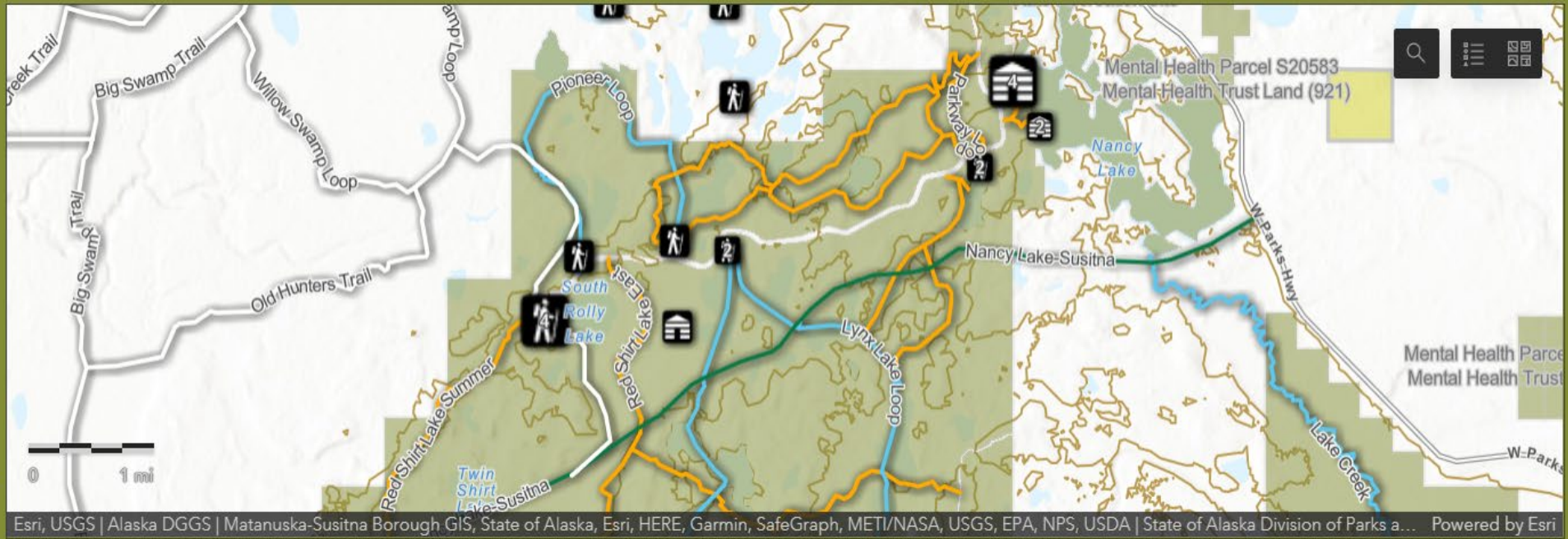
Esri, USGS | Alaska DGGS | Matanuska-Susitna Borough GIS, State of Alaska, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA | State of Alaska Division of Parks a... Powered by Esri

Trail Type and Distance

Trail Miles — bar chart showing RS2477 Historic Transportation Routes (~21), Terra (~25), Water (~20), Winter (~30). Y-axis 15 to 35.

Park Facilities

Bar chart: Trailhead (10), Cabin (7), Boat Launch (~3), Campground (~2), Playground (~1), Viewpoint (~1). Y-axis 0 to 15.

Detailed Park Dashboard for Park Users, Managers, Workers, Planners

ALASKA 2023-2027
SCORP | Statewide Comprehensive Outdoor Recreation Plan

![Alaska State Parks logo]
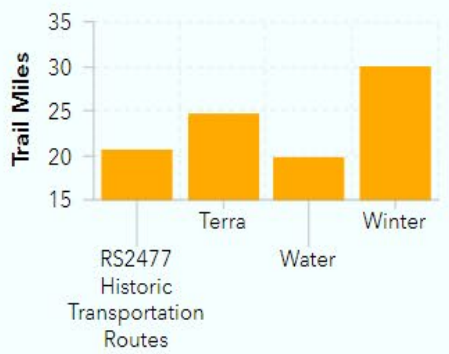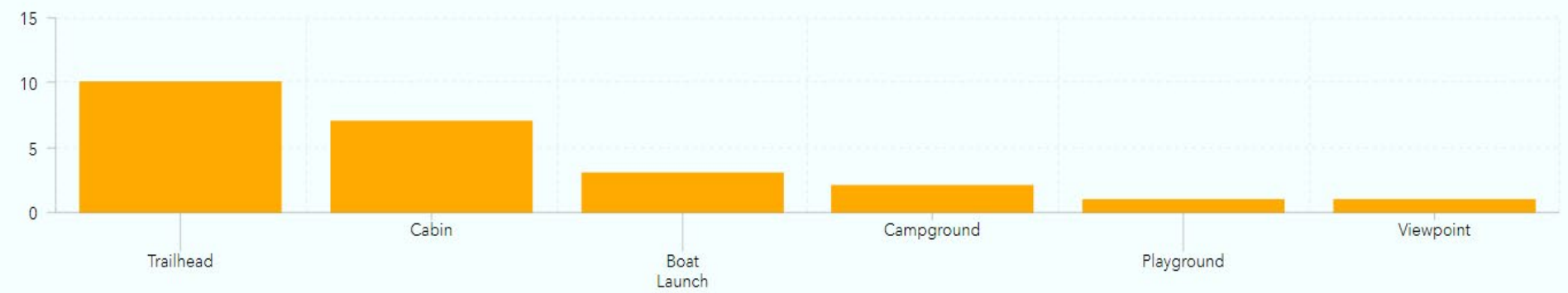
Land and Water Conservation Fund (LWCF)
Past Funded Projects by Region 1966-2019

ALASKA 2023-2027
SCORP
Statewide
Comprehensive
Outdoor
Recreation
Plan

Select a Region
Southcentral

LWCF Projects (Click to Zoom)

Campbell Creek Greenbelt 02-00180
Project Amount $1,870,000
$11,166,897 (Inflation adjusted to 2022 $)
Anchorage Municipality

Nancy Lake Recreation Area 02-00043
Project Amount $760,740
$6,705,442 (Inflation adjusted to 2022 $)
Matanuska-Susitna Borough

Captain Cook Recreation Area 02-00062

Total LWCF Projects

$23.8M
(Unadjusted)

$101.8M
(Inflation Adjusted to 2022 $)

LWCF Map Legend

- > 5,000,000 - 12,000,000
- > 1,000,000 - 5,000,000
- > 500,000 - 1,000,000
- > 100,000 - 500,000
- 0 - 100,000

Region selector (map overlay)

Filter...

Southwest
Western
Arctic
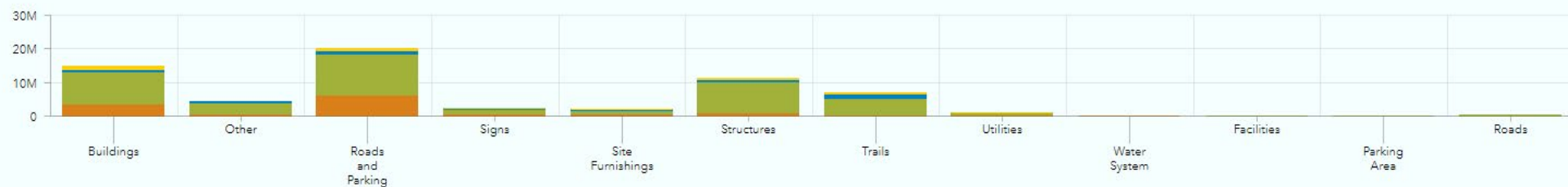Interior
✓ Southcentral
Southeast

Reset | Select all
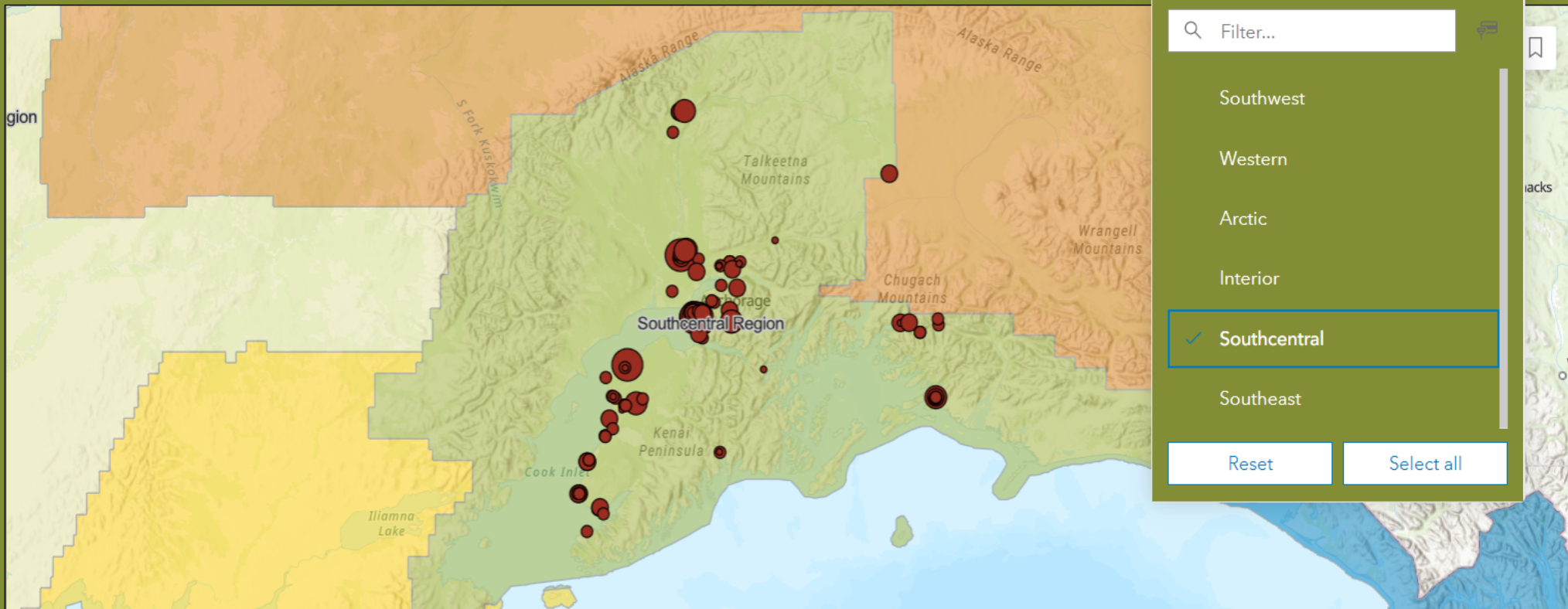
Esri; USGS | State of Alaska, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA | State of Alaska Division of Parks and Outdoor Recreation, Alaska Map Company, LLC

Powered by Esri

LWCF Funding By Year and Region

(Adjusted for Inflation to 2022 $)

Southcentral

Dashboards for Park Managers

SCORP Priority Projects Dashboard
DPOR Projects

Select a Region
Southcentral

Largest Projects (Click to Zoom)

- Independence Mine State Historical Park ($2,200,000)
  Structures
- Fort Rousseau Causeway State Historical Park ($1,000,000)
  Trails
- Caines Head State Recreation Area ($900,000)
  Structures
- Big Delta State Historical Park ($800,000)
  Buildings
- Anchor River State Recreation Area ($750,000)
  Other
- Kenai River Special Management Area ($750,000)
  Structures
- Kenai River Special Management Area ($750,000)
  Structures
- Independence Mine State Historical Park ($750,000)
  Buildings
- Independence Mine State Historical Park ($750,000)
  Buildings
- Chugach State Park ($735,000)
  Structures

Project Total For View Area

$63.6M

Map Legend

- Buildings
- Roads and Parking
- Structures
- Trails
- Signs
- Site Furnishings

Project Type

Dashboards for Park Managers

ALASKA 2023-2027 | Statewide Comprehensive Outdoor Recreation Plan
SCORP

SCORP Regional Dashboard

ALASKA 2023-2027 | Statewide Comprehensive Outdoor Recreation Plan
SCORP

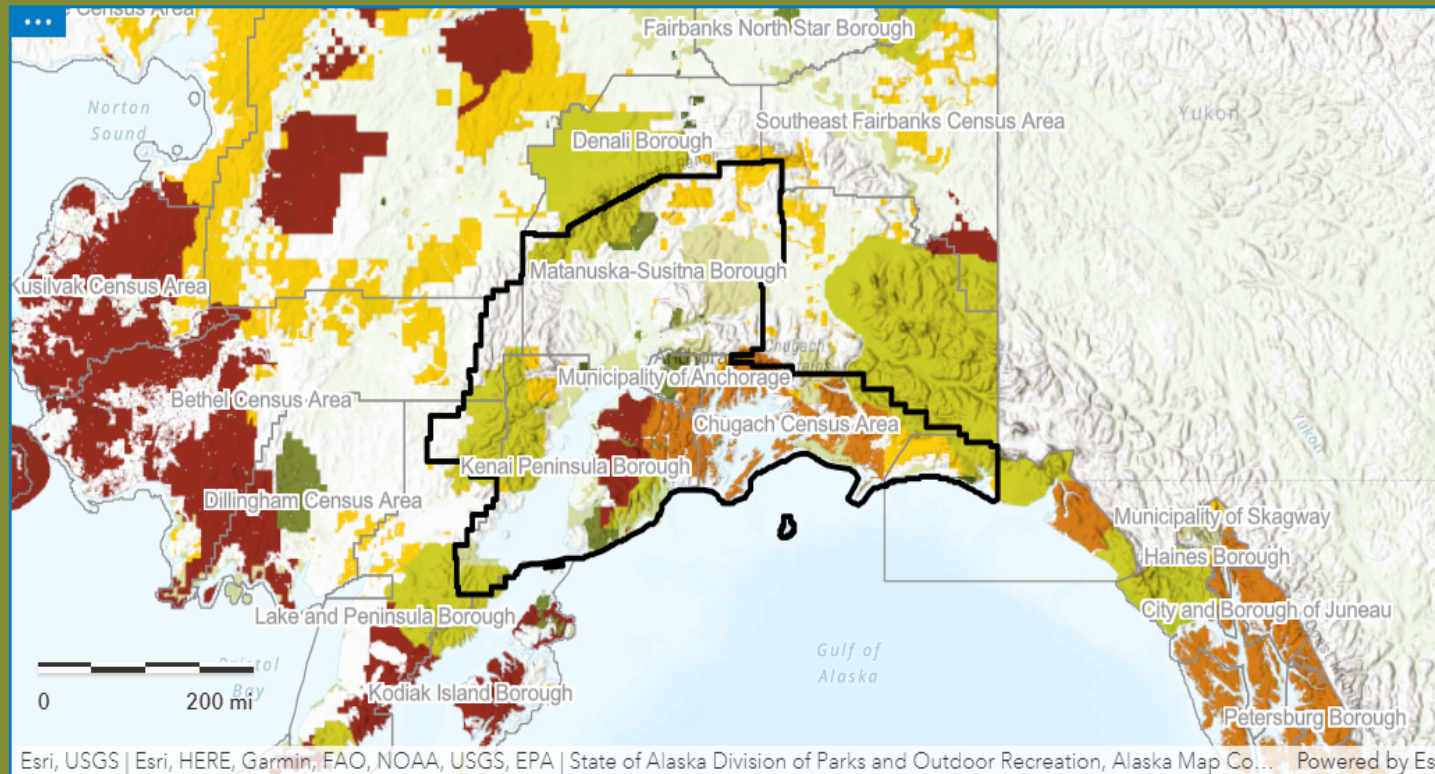Select a Region
Southcentral

Top 5 Largest Park Areas

Chugach National Forest (2,280,991 Acres)
National Forest
Chugach Census Area

Nelchina (2,269,907 Acres)
Public Use Area (2801)
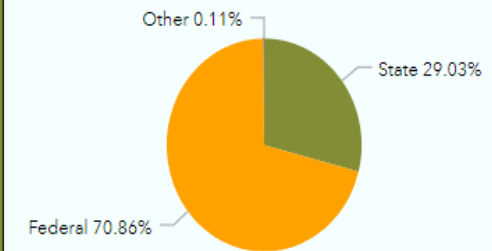Matanuska-Susitna Borough

Lake Clark National Park (1,845,591 Acres)
National Park
Kenai Peninsula Borough

Chugach National Forest (1,386,603 Acres)
National Forest
Chugach Census Area

Kenai National Wildlife Refuge (1,085,418 Acres)
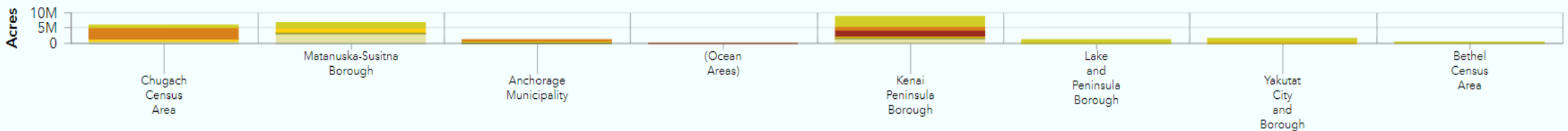National Wildlife Refuge Wilderness Area
Kenai Peninsula Borough

Percent of Regional Park Area By Category

Other 0.11%
State 29.03%
Federal 70.86%

Borough and Census Area
Park Acres By Organization

Regional Park Dashboard – Support Mobility Analysis

ALASKA 2023-2027 | Statewide Comprehensive Outdoor Recreation Plan
SCORP

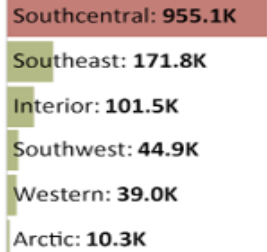# Cell phone mobility data advises SCORP and future management database

Southcentral Region

SAMPLE SIZE
Annual Average

- Southcentral: 955.1K
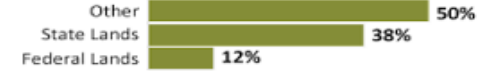- Southeast: 171.8K
- Interior: 101.5K
- Southwest: 44.9K
- Western: 39.0K
- Arctic: 10.3K

SAMPLE SIZE
DEVICE DAYS BY YEAR

695.7K → 1.0M → 1.1M
2019   2020   2021
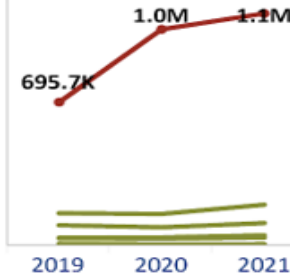
USE BY AGENCY
PERCENT OF DEVICE DAYS

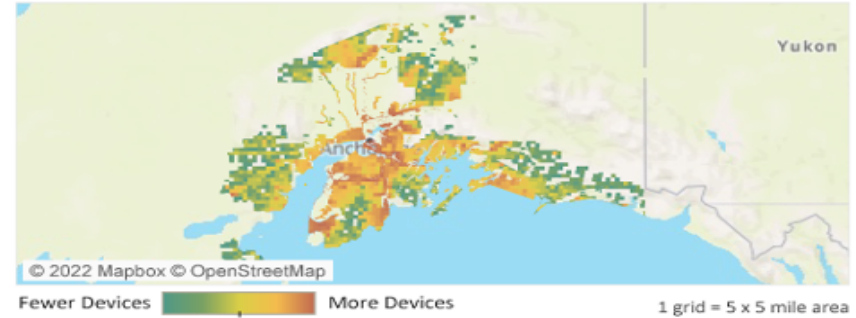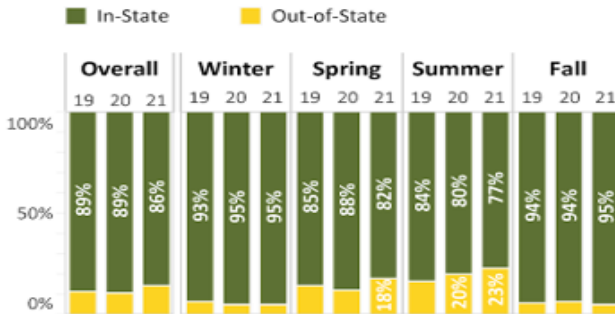|	
Other	50%
State Lands	38%
Federal Lands	12%

TOP 5 LOCATIONS
BY DEVICE DAYS

1. Chugach State Park
2. Kenai River Special Management Area
3. Matanuska Valley
4. Palmer Hay Flats
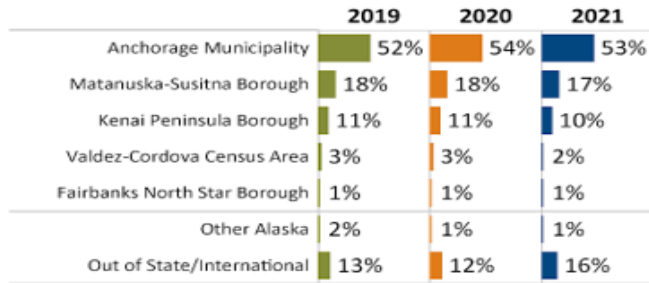5. Chugach National Forest, Glacier Ranger District

DISTRIBUTION OF USE

© 2022 Mapbox © OpenStreetMap

Fewer Devices — More Devices   1 grid = 5 x 5 mile area

VISITOR ORIGINS
PERCENT OF DEVICE DAYS BY SEASON AND YEAR

In-State   Out-of-State

	Overall			Winter			Spring			Summer			Fall		
	19	20	21	19	20	21	19	20	21	19	20	21	19	20	21
In-State	89%	89%	86%	93%	95%	95%	85%	88%	82%	84%	80%	77%	94%	94%	95%
Out-of-State									18%		20%	23%			

VISITOR ORIGINS
PERCENT OF DEVICE DAYS BY BOROUGH (TOP 5) AND YEAR

	2019	2020	2021
Anchorage Municipality	52%	54%	53%
Matanuska-Susitna Borough	18%	18%	17%
Kenai Peninsula Borough	11%	11%	10%
Valdez-Cordova Census Area	3%	3%	2%
Fairbanks North Star Borough	1%	1%	1%
Other Alaska	2%	1%	1%
Out of State/International	13%	12%	16%

PATTERNS OF USE
7-DAY MOVING AVERAGE OF DAILY DEVICE COUNTS

2021
2019
2020

Jan 1, Jan 22, Feb 12, Mar 5, Mar 26, Apr 16, May 7, May 28, Jun 18, Jul 9, Jul 30, Aug 20, Sep 10, Oct 1, Oct 22, Nov 12, Dec 3, Dec 24

Trends in Use:
- Use spiked from 2019 to 2020 and 2021. The increase in use is driven likely by locals getting to their nearby parks during the pandemic
- Use increased across all seasons, but especially during the summer

Visitor Profile:
- The visitor profile did not change much at all over the past three years. Just over 50% of use is done by locals of Anchorage with Mat-Su and Kenai close behind
- Out-of-state use remained steady with a slight increase in 2021

Highest Demand:
- Chugach State Park is by far the most used site with the Kenai River Special Management Area following in second
- Matanuska Valley and Palmer Hay Flats see high use in the region as well

Chugach State Park
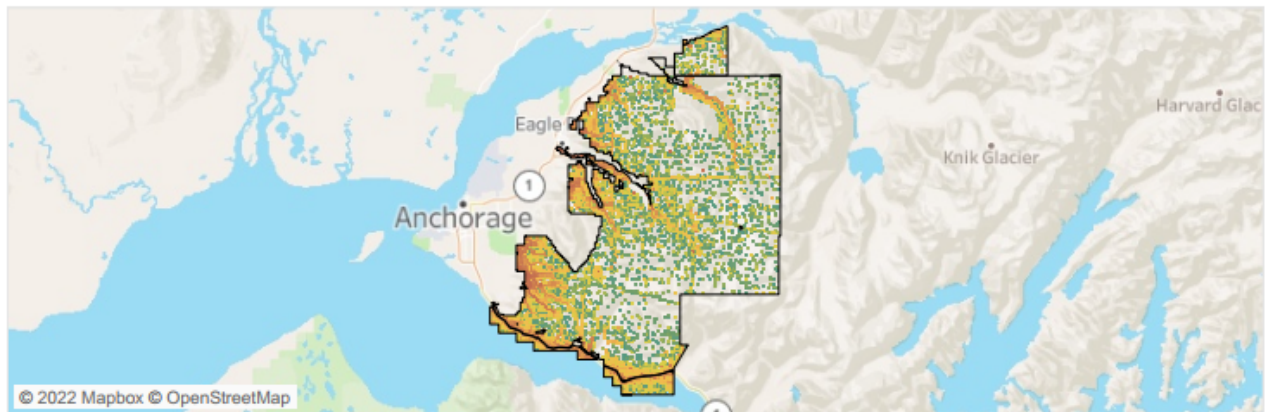
STATE OF ALASKA (DPOR) | STATE PARK

USE
RELATIVE TO STATEWIDE LOCATIONS OF INTEREST

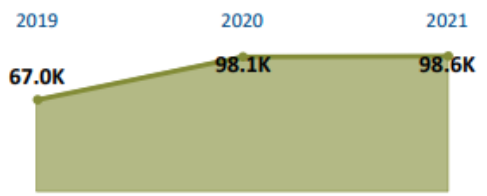| Low Use	Moderately Low Use	Moderate Use	Moderately High Use	High Use

*Use is defined by cluster analysis

DISTRIBUTION OF USE

Fewer Devices — More Devices

© 2022 Mapbox © OpenStreetMap

1 grid = .25 x .25 mile area

SAMPLE SIZE
ADJUSTED DEVICE DAYS BY YEAR

2019: 67.0K
2020: 98.1K
2021: 98.6K

Chugach State Park encompasses 2 boroughs.
PERCENT OF DEVICE DAYS BY BOROUGH
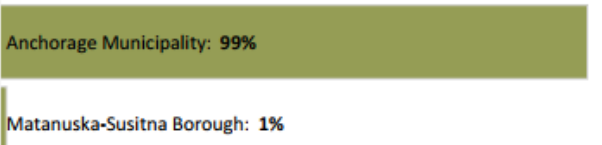
Anchorage Municipality: 99%

Matanuska-Susitna Borough: 1%

VISITOR ORIGINS
PERCENT OF DEVICE DAYS BY SEASON AND YEAR

■ In-State   ■ Out-of-State

Overall
- 19: 86% / 14%
- 20: 84% / 16%
- 21: 76% / 24%

Winter
- 19: 92% / 8%
- 20: 92% / 8%
- 21: 92% / 8%

Spring
- 19: 83% / 17%
- 20: 85% / 15%
- 21: 72% / 28%

Summer
- 19: 81% / 19%
- 20: 72% / 28%
- 21: 65% / 35%

Fall
- 19: 91% / 9%
- 20: 89% / 11%
- 21: 90% / 10%
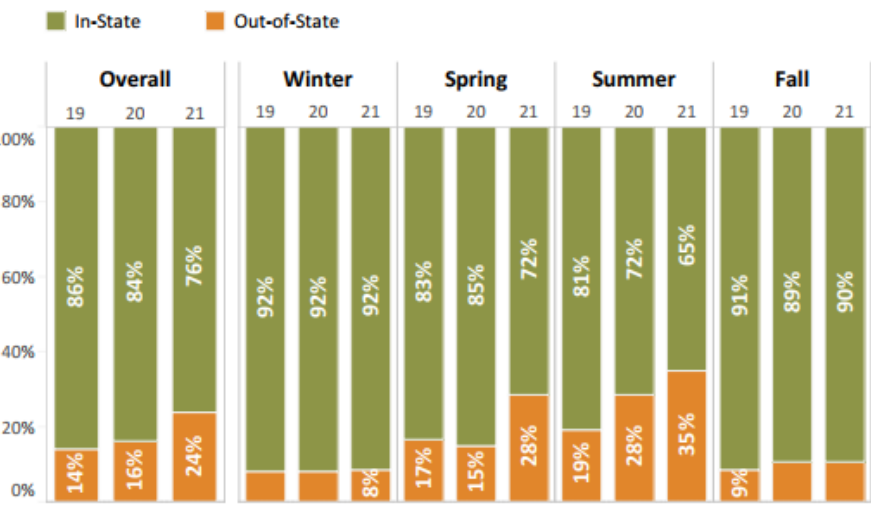
VISITOR ORIGINS
PERCENT OF DEVICE DAYS BY BOROUGH (TOP 10) AND YEAR

	2019	2020	2021
Anchorage Municipality	71%	70%	64%
Matanuska-Susitna Borough	7%	7%	6%
Kenai Peninsula Borough	4%	4%	3%
Fairbanks North Star Borough	1%	1%	1%
Valdez-Cordova Census Area	0%	0%	0%
Juneau City and Borough	0%	0%	0%
Denali Borough	0%	0%	0%
Kodiak Island Borough	0%	0%	0%
Bethel Census Area	0%	0%	0%
Southeast Fairbanks Census Area	0%	0%	0%
Other Alaska	0%	0%	0%
Out of State/International	16%	18%	25%

PATTERNS OF USE
7-DAY MOVING AVERAGE OF DAILY DEVICE COUNTS
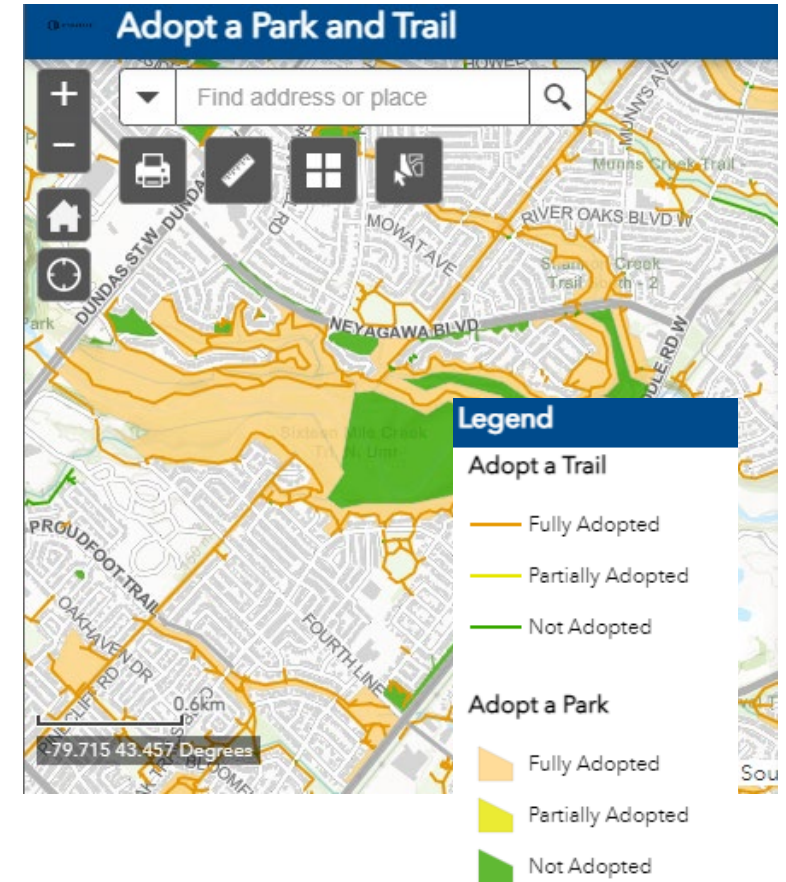

2019
2021
2020

Buffered Roads, Trails, to generate polygon's locations of interest.

Glenn Alps area seeing high use.

Demand for this area can help to support management decision and allocation of funding.

Chugach State Park
STATE OF ALASKA (DPOR) | STATE PARK

USE
RELATIVE TO STATEWIDE LOCATIONS OF INTEREST

| Low Use | Moderately Low Use | Moderate Use | Moderately High Use | High Use |

*Use is defined by cluster analysis

SAMPLE SIZE
ADJUSTED DEVICE DAYS BY YEAR

| 2019 | 2020 | 2021 |
| 67.0K | 98.1K | 98.6K |

TOP 5 LOCATIONS OF INTEREST
1. Glenn Alps Parking
2. Eagle River Campground
3. Turnagain Arm Trail
4. McHugh Trailhead
5. Glenn Alps Anchorage Overlook

Build the HUB

- **Trail Maintenance Projects -** Set up volunteer trail maintenance projects

- **Real time status reports** - crowd source, real-time trail status map

    -Last groomed date

    -Current condition report

    -Hazard reporting

- **Data Collection Projects** – utilize GPS specialists to learn best

  practices and technologies in trails, boundary and facility mapping.

- **Adopt A Park** – generate support and funding for parks

- **GIS Training** – orchestrate training sessions on best practices with data collection ad editing

https://exploreoakville.maps.arcgis.com/apps/webappviewer/index.html?id=1d2e4c6205b14358b1c35562053c7487

SCORP GIS Supply moving forward

- Build the hub user base of contributors
    The next SCORP GIS supply data will be more accurate, complete,
    representative of all stakeholders, easier to compile and analyze.
- Remove mapping barriers in the grant application processes to level the playing field for communities that have historically been unable to receive funding.
- Encourage collaboration and standards to reduce redundant efforts. statewide, save money and create better data.
- Focus effort to develop specialized GIS positions and dedicated resources via Office of Outdoor Recreation
- HUB to go live in the new year.

We all have limited resources. Leverage collaboration to build a sustainable and efficient solution to support outdoor recreation, economic development and the improvement of the GIS information available for decision making! Alaska is outdoor Recreation!

Thank You!

Akmapco

Gary Greenberg
ggreenberg@akmapco.com
www.akmapco.com

AK State Parks (DNR DPOR)

Ricky Gease, State Parks Director
ricky.gease@alaska.gov

https://www.alaskascorp.org/

For more information visit:

Alaska State Parks:

dnr.alaska.gov/parks/scorp

Alaska Trails SCORP page:

www.alaska-trails.org/scorp-2023-2027

ALASKA TRAILS

ALASKA DEPARTMENT OF NATURAL RESOURCES

ALASKA STATE PARKS

NATIONAL PARK SERVICE

A FEDERAL, STATE AND LOCAL PARTNERSHIP SINCE 1965
LAND & WATER CONSERVATION FUND
NATIONAL PARK SERVICE

ALASKA 2023-2027
SCORP
Statewide
Comprehensive
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Recreation
Plan