



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

**DEPARTMENT OF COMMERCE, COMMUNITY AND ECONOMIC
DEVELOPMENT**

Division of Community and Regional Affairs

**Creating a Public GIS Platform: The Alaska DCRA Data
Portal**

The New Community Database Online

Grace Beaujean

**Presented to Alaska Smart
Communities Forum**

Nov 13, 2018



Communication and Presentations

Division of Community and Regional Affairs

Mission Statement: Promote strong communities and healthy economies.

Community Aid & Accountability

Local Government Assistance

Municipal and Community Policy & Research

The **Research and Analysis** Section provides community information resources and conducts research studies to support local government development, community planning, local capacity building, and rural policy development.



Purpose

Access up-to-date information on AK communities

Compare communities within regional and topical contexts, and generate questions

Connect communities and decision-makers with place-based information

Capture trends with historic data

Create a more manageable system maintenance-wise to get back to research!



The Old CDO



Department of Commerce, Community, and Economic Development
COMMUNITY DATABASE ONLINE

[CDO](#) [COMMUNITY INDEX](#) [CDO FAQs](#)

[State of Alaska](#) / [Commerce](#) / [Community & Regional Affairs](#) / [Community Database Online](#) / [Community Index](#)

COMMUNITY INDEX

CDO FAQs - Region Filter - To filter the community list, select a region type and region below.

Region Type:

Select a community from the list below:

▼ A			
Adak	Adak Station	Afognak	Akhiok
Akiachak	Akiak	Akutan	Alakanuk
Alatna	Alcan Border	Aleknagik	Aleneva
Aleutians East Borough	Aleutians West Census Area	Alexander Creek	Allakaket
Alpine	Ambler	Anaktuvuk Pass	Anchor Point
Anchorage	Anderson	Andreafsky	Angoon
Aniak	Anvik	Arctic Village	Atka
Atmautluak	Atkasuk	Attu Station	Auke Bay
Ayakulik			
▶ B			
▶ C			
▶ D			
▶ E			
▶ F			
▶ G			
▶ H			
▶ I			
▶ J			
▶ K			



The Old CDO



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[CDO](#) [COMMUNITY INDEX](#) [CDO FAQs](#)

[State of Alaska](#) / [Commerce](#) / [Community & Regional Affairs](#) / [Community Database Online](#) / [Community Index](#) / [Community Info](#)

[Return to Communities list](#)

COMMUNITY: AMBLER

Community Information

▼ All

- ▶ [General Overview](#)
- ▶ [2010 Population and Housing Characteristics](#)
- ▶ [2000 Population and Housing Characteristics](#)
- ▶ [1990 Population and Housing Characteristics](#)
- ▶ [Income and Poverty](#)
- ▶ [Facilities, Utilities and Services](#)
- ▶ [Schools](#)
- ▶ [Municipal Officials/Employees Directory](#)
- ▶ [Community/Regional Contacts Information](#)
- ▶ [Business Licenses](#)
- ▶ [ANCSA - Alaska Native Claims Settlement Status](#)
- ▶ [Community Status Report](#)



The New CDO (within the AK DCRA Data Portal)

DCRA Information Portal

[Edit](#)



No issues detected »

Ambler, Alaska

Current Population: 284

Incorporation Date: 1971

Incorporation Type: 2nd Class City

Native Community Name: Ivisaappaat (Language: Iñupiaq)

Native Community Name Translation: Their Red Ocher Source?

Native Place Name



Pronunciation:



English Pronunciation:

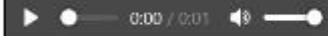


Table of Contents

[Culture and History](#)

[Geography and Climate](#)

[Demographics](#)

[Transportation](#)





The New CDO (within the AK DCRA Data Portal)

DCRA Information Portal

Ambler, Alaska

No issues detected

More information about population trends can be found [here](#).

Transportation

[Back to Table of Contents](#)

Ambler's major means of transportation are by barge, plane, small boat, and snow machine. There are no roads linking the city to other parts of the state. A state-owned lighted, gravel airstrip, with a gravel crosswind airstrip is located one and a half miles from the city. In addition, daily scheduled services are provided out of Kotzebue, and air taxis provide charter flights. Crowley Marine Services barges fuel and supplies to Ambler each summer. Boats are used for inter-village travel and subsistence activities. ATVs and snow machines are commonly used in winter.

Click on the icons in the map to see specific information about each airport or ferry terminal.

Airport	Airport Code
Ambler Airport	AFM

More detailed information about Transportation in Alaska can be found [here](#).

Earthstar Geographics | Alaska Department of Transportation and P...



The DCRA Data Portal

Welcome to the new Alaska Community Database Online

This new Community Database Online is a one-stop-shop for information resources about Alaskan Communities and Places of Interest in an interactive format.

- Big Delta
- Big Lake
- Big Salt
- Bill Moore's Slough
- Birch Creek
- Birchwood
- Boundary
- Brevig Mission
- Bristol Bay Borough

Last updated: 3 hours ago

Sources: Esri, USGS, NOAA | Esri, Garmin, FAO, NOAA, EPA

This site is best used in **Mozilla Firefox** or **Google Chrome**.

Navigation Menu

Use the navigation menu to submit a subject data request or provide feedback using the buttons below.

- Data for Download
- Interactive Applications
- DCRA Website
- Data Request
- Feedback



The DCRA Data Portal

Find Datasets for Download

Flow to find datasets for download



Contacts Directory



Demographics



Transportation



Economy



Public Safety



Utilities



Education



Services



Cultural



Climate Change



Local Government



General Overview

Interactive Applications

Apps provide guided and interactive access to information and tools for citizens to understand their communities. We recommend exploring the apps below for helping engage around specific goals and initiatives - as well as encourage people to create their own stories and apps using the Build Your Own Map app.





The DCRA Data Portal

DCRA Build Your Own Map [How to use this app](#) [DCRA Information Portal](#)

Find address or place

Add Data

Search URL File

DCRA Data Layers

Within map Type Relevance

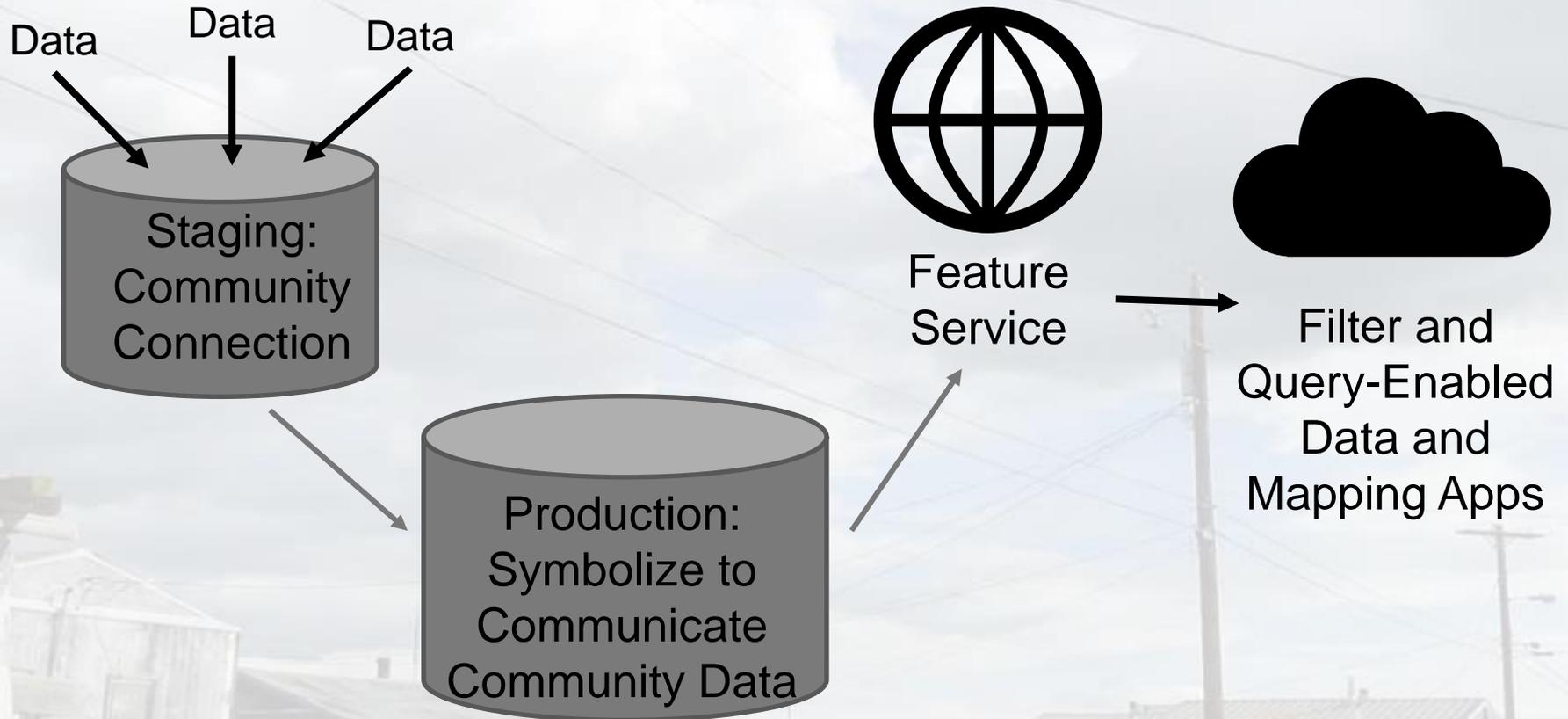
- DATA** Alaska Airports
Feature Service by DCRAOpenData
ADD DETAILS
- DATA** Alaska Roads
Map Service by DCRAOpenData
ADD DETAILS
- DATA** General Culture History
Feature Service by DCRAOpenData
ADD DETAILS
- DATA** Municipality Contacts
Feature Service by DCRAOpenData
ADD DETAILS
- DATA** Airport Hubs and Roles
Map Service by DCRAOpenData
ADD DETAILS
- DATA** School Enrollment
Feature Service by DCRAOpenData
ADD DETAILS
- DATA** Alaska Ferry Terminals
Map Service by DCRAOpenData
ADD DETAILS
- DATA** Commercial Salmon Fisheries Particip...
Map Service by DCRAOpenData
ADD DETAILS

57 items LAYERS



Platform Design

ArcGIS Enterprise + ArcGIS Online





Challenges

Variation in schema, symbology, naming conventions of places and entities across source agencies



Solution: Direct download

Current Release of ArcGIS Online (Group Layers, html 5, etc.)



Solution: Web AppBuilder for Developers

Catering to former Community Database Online users



Solution: Data for Download section and Community Storymaps

Supporting users' transition into a new GIS framework



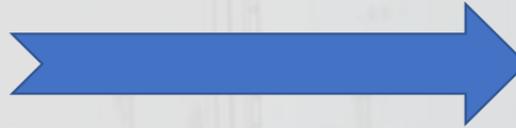
Solution: Beta-testing process and formal trainings

Bandwidth issues across Alaska



Site Roadmap: Where to find what

Community-specific overview of up-to-date information?



Community Storymaps (“the CDO within the Data Portal”)

See how a community compares to statewide and regional communities?



Build Your Own Map and other Interactive Maps

See how a particular pattern is distributed across the state?



Build Your Own Map and other Interactive Maps

Find data about a specific topic on more communities?



Data for Download, Interactive Maps, or Community Storymaps



What are the drop-out rates for schools in districts compliant with Alaska Native Language programs?

What has been the population trend since the 1950's in Alaska's urban areas?



What do you want to know?



Which communities had a bed tax in 2016?
What was the median household income for those communities?

Where do most commercial fishing permit holders live?

