



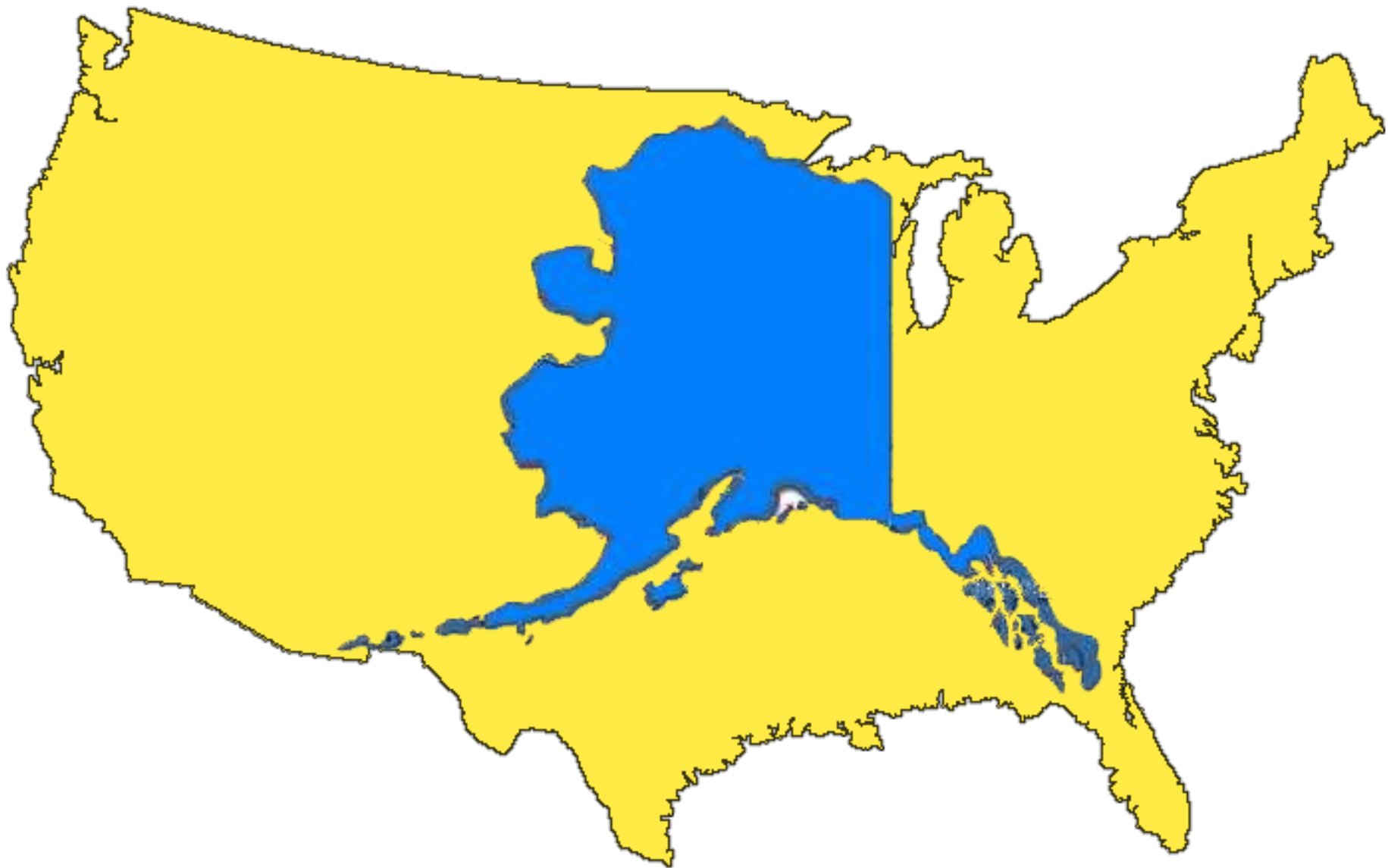
Staying connected in the Last Frontier

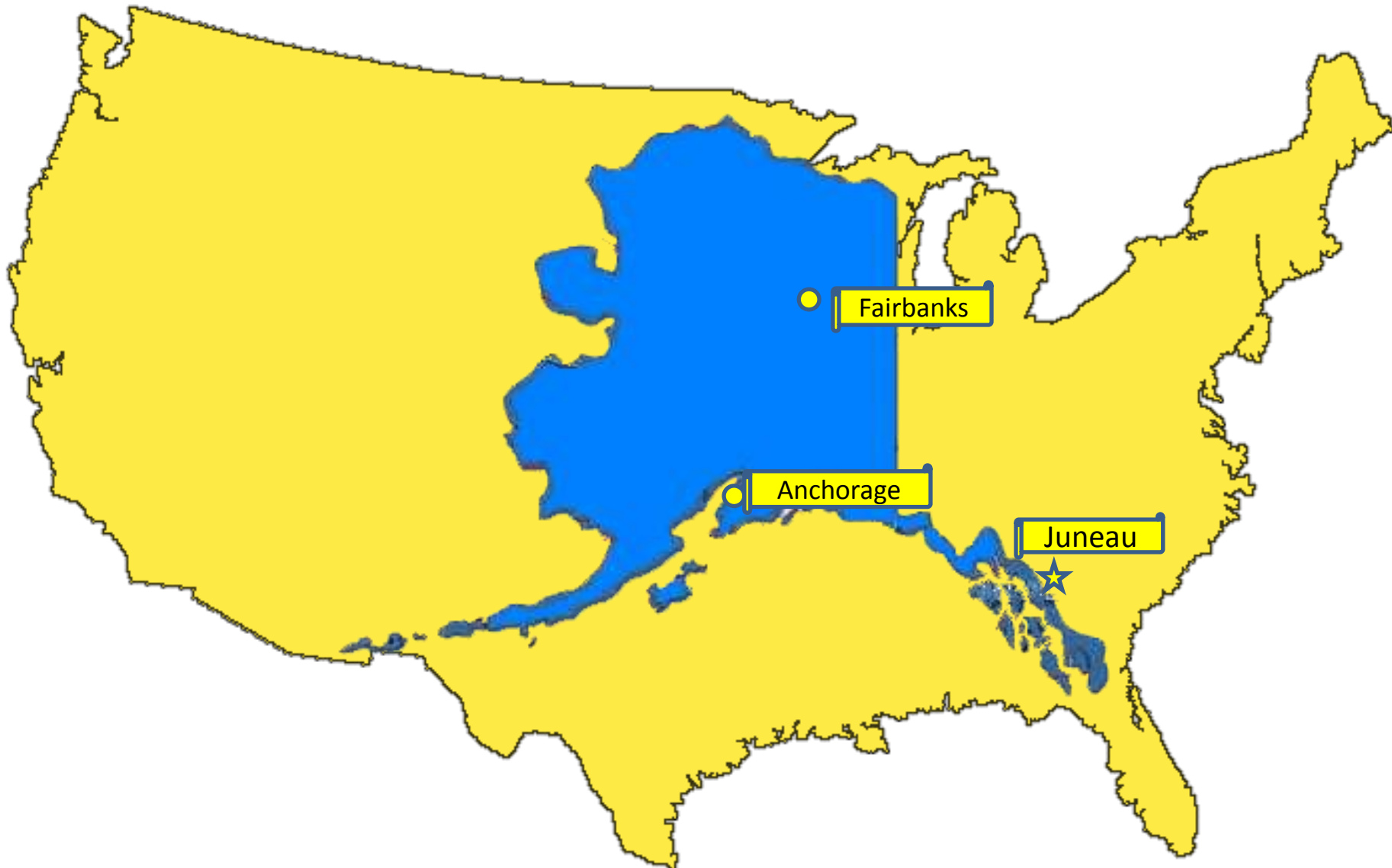








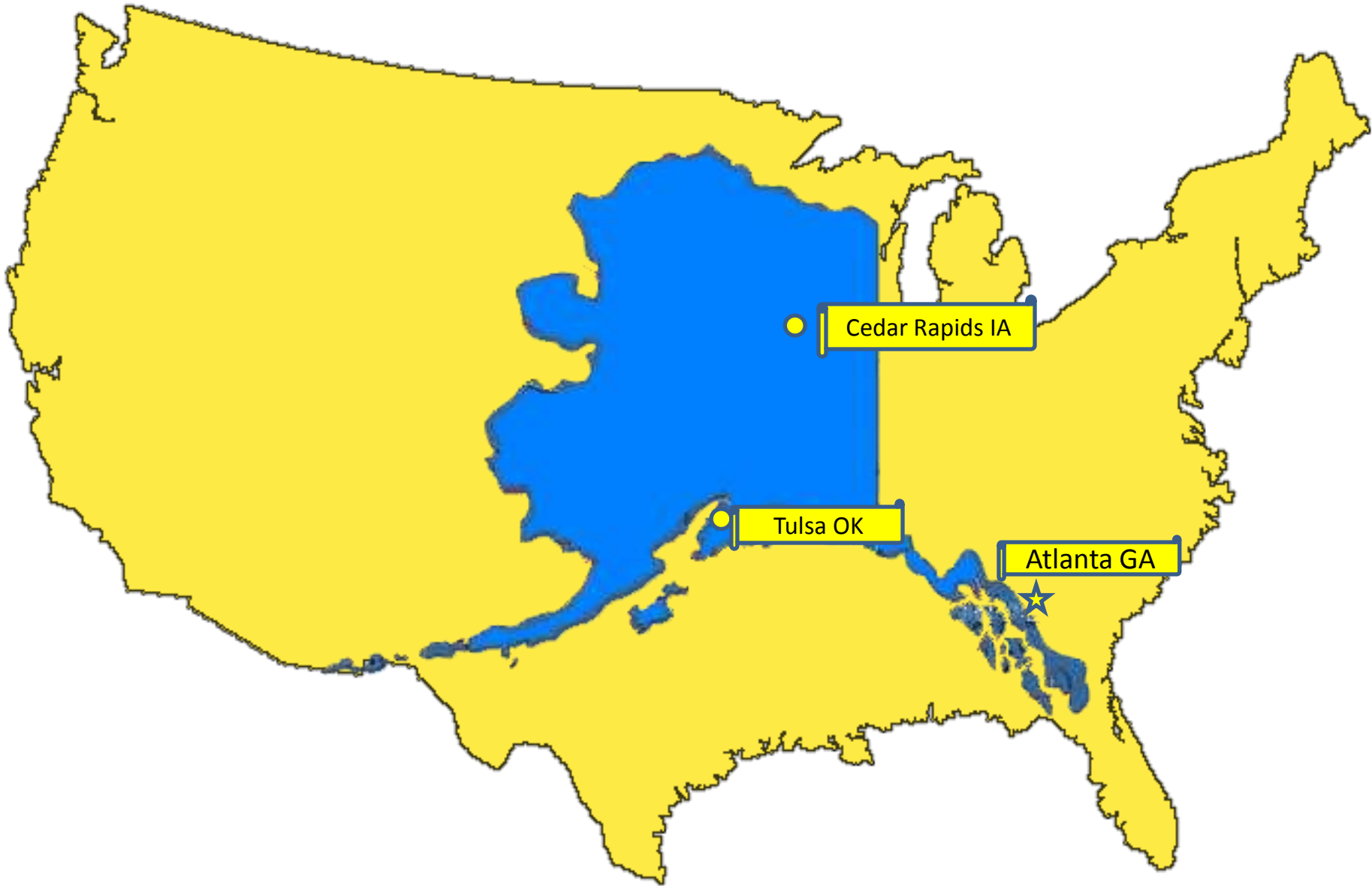


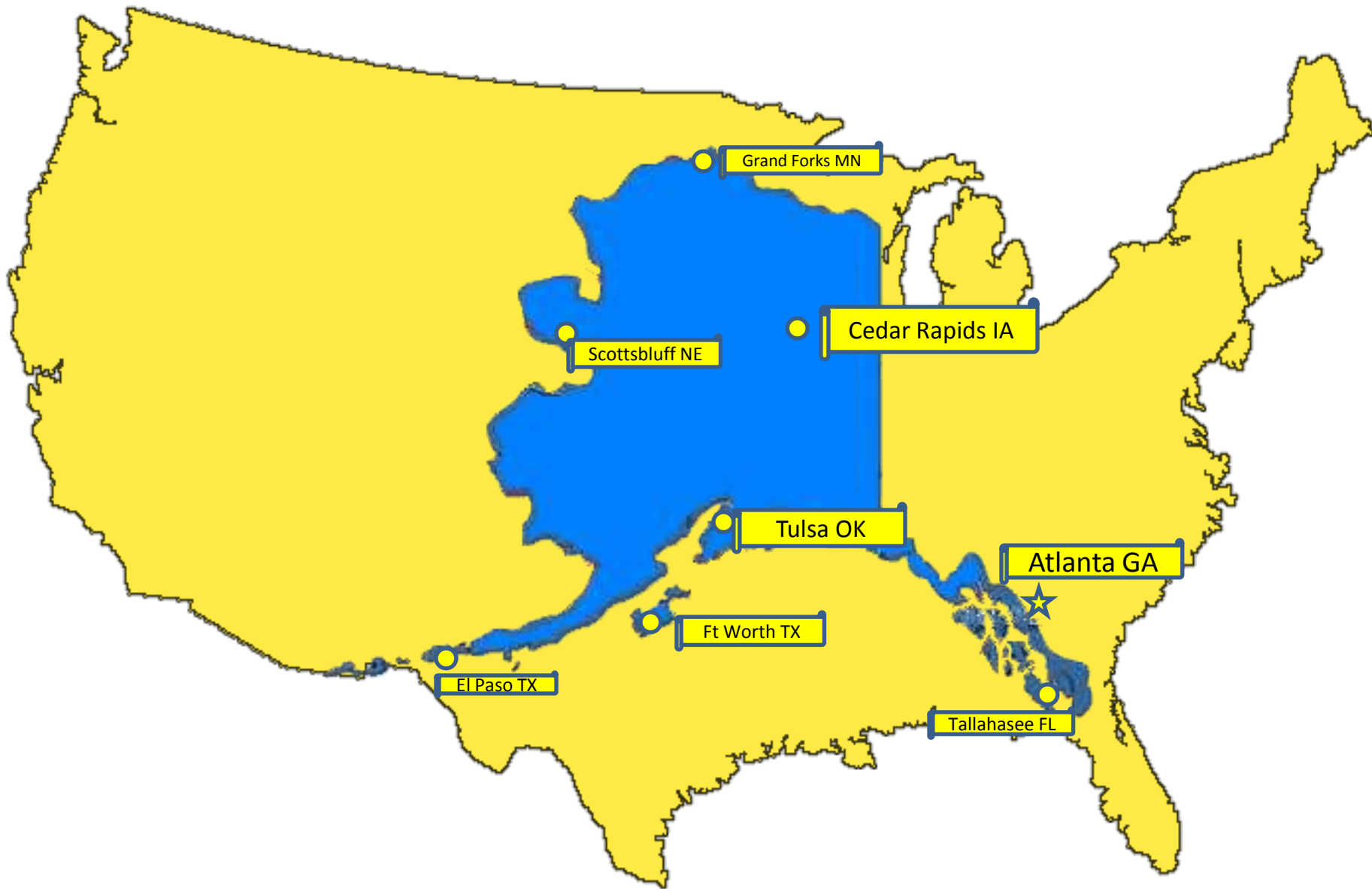


Fairbanks

Anchorage

Juneau





Grand Forks MN

Cedar Rapids IA

Scottsbluff NE

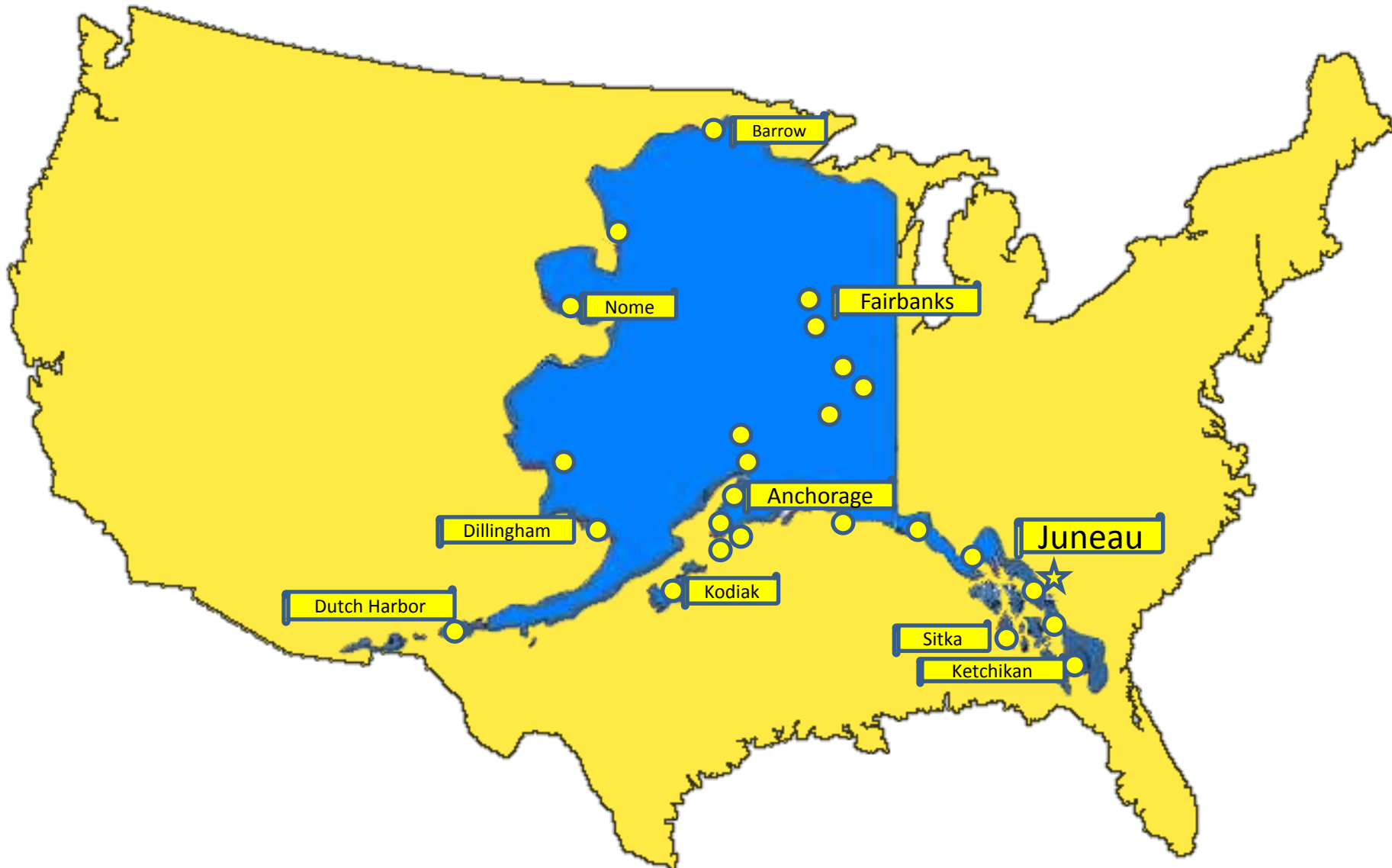
Tulsa OK

Atlanta GA

El Paso TX

Ft Worth TX

Tallahasee FL



Barrow

Nome

Fairbanks

Anchorage

Dillingham

Kodiak

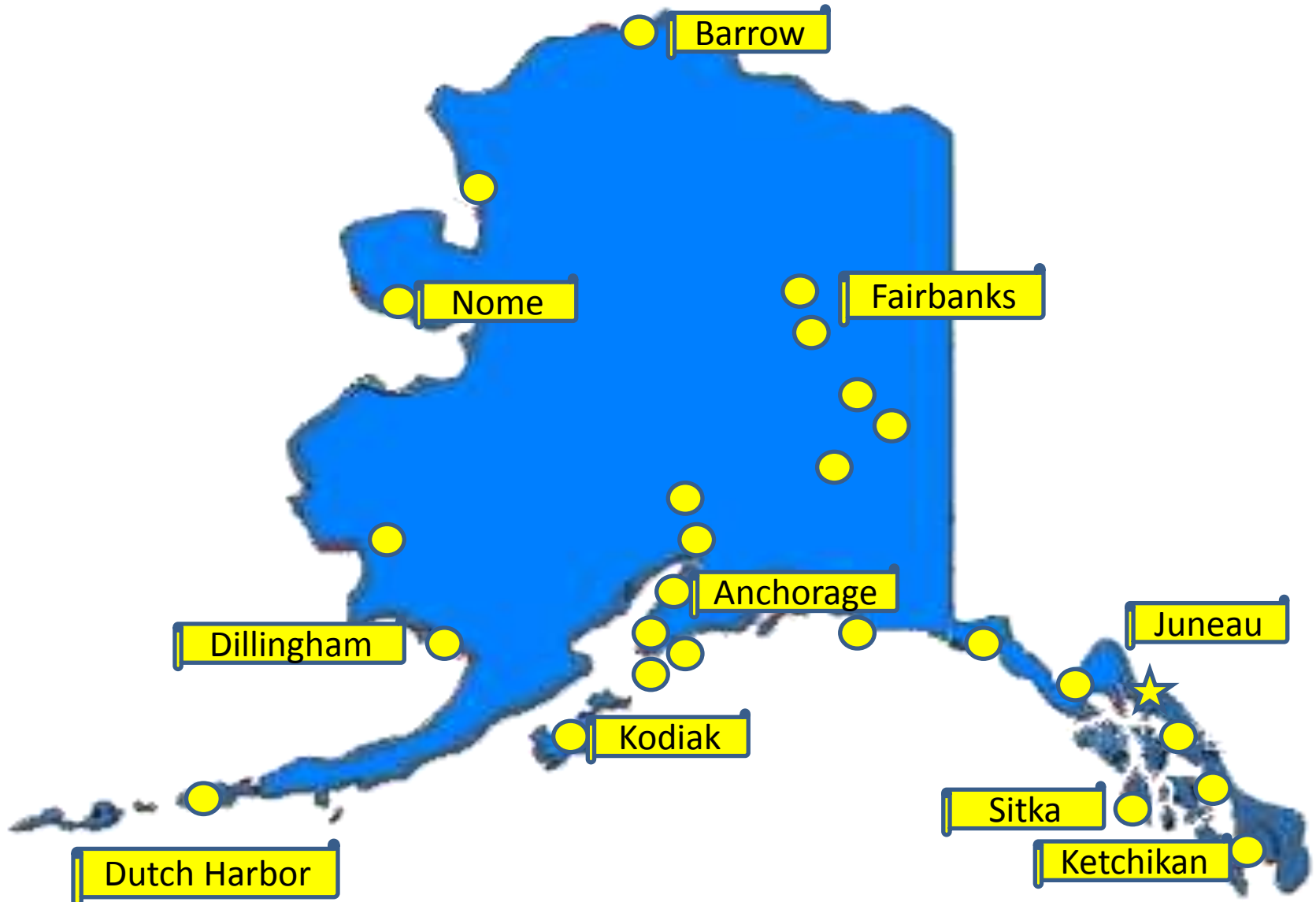
Juneau

Sitka

Ketchikan

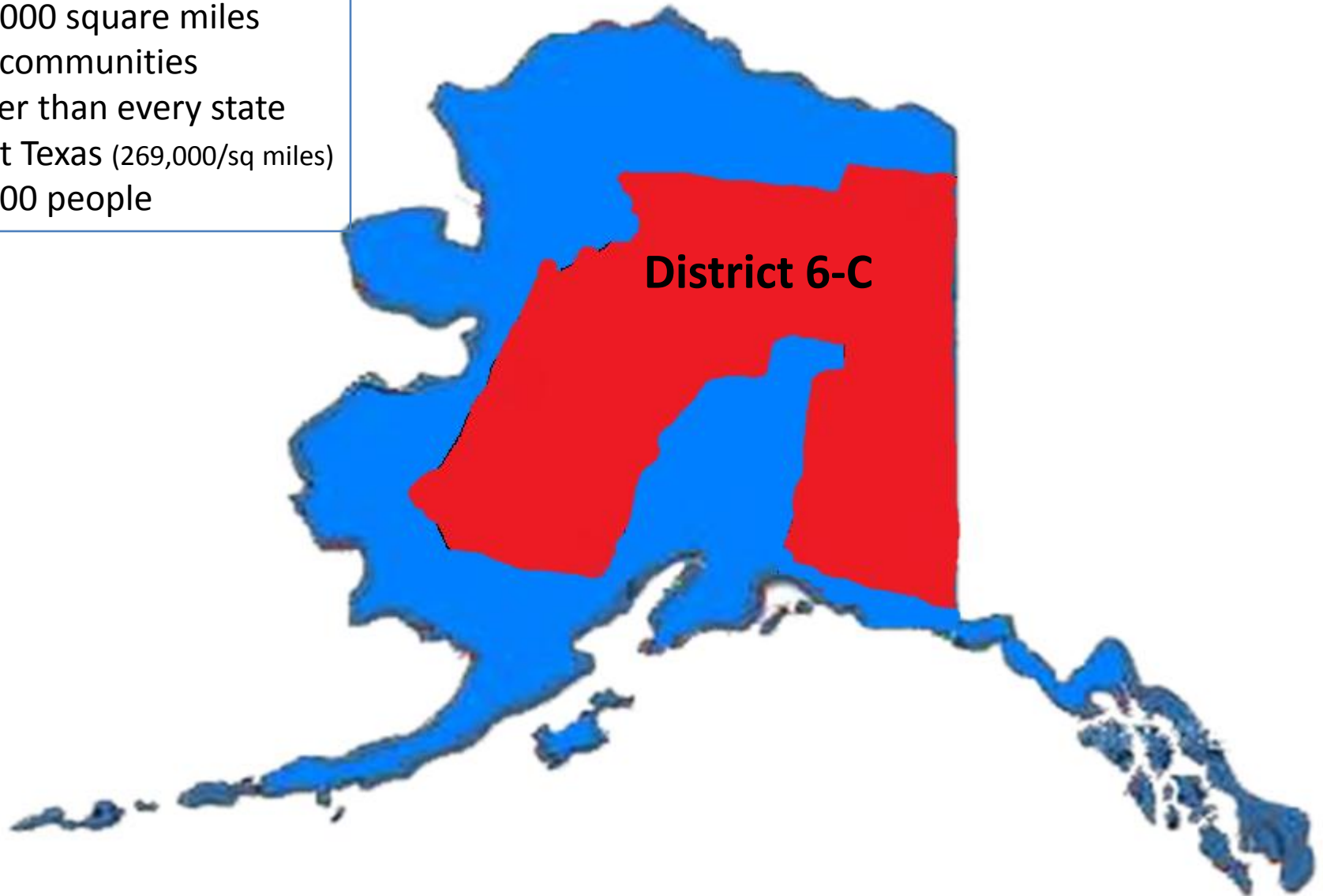
Dutch Harbor

26 Alaska Legislature Offices



Alaska District 6-C

- Largest district in the US
- 250,000 square miles
- 126 communities
- Larger than every state except Texas (269,000/sq miles)
- 27,000 people



Alaska Legislature Profile

- 20 Senators, 40 House Members
- 440 legislative/administrative staff
- 90 day session in Juneau, 275 days in home districts
- 52 of 60 Legislators live over 500 miles from the Capitol (Juneau).

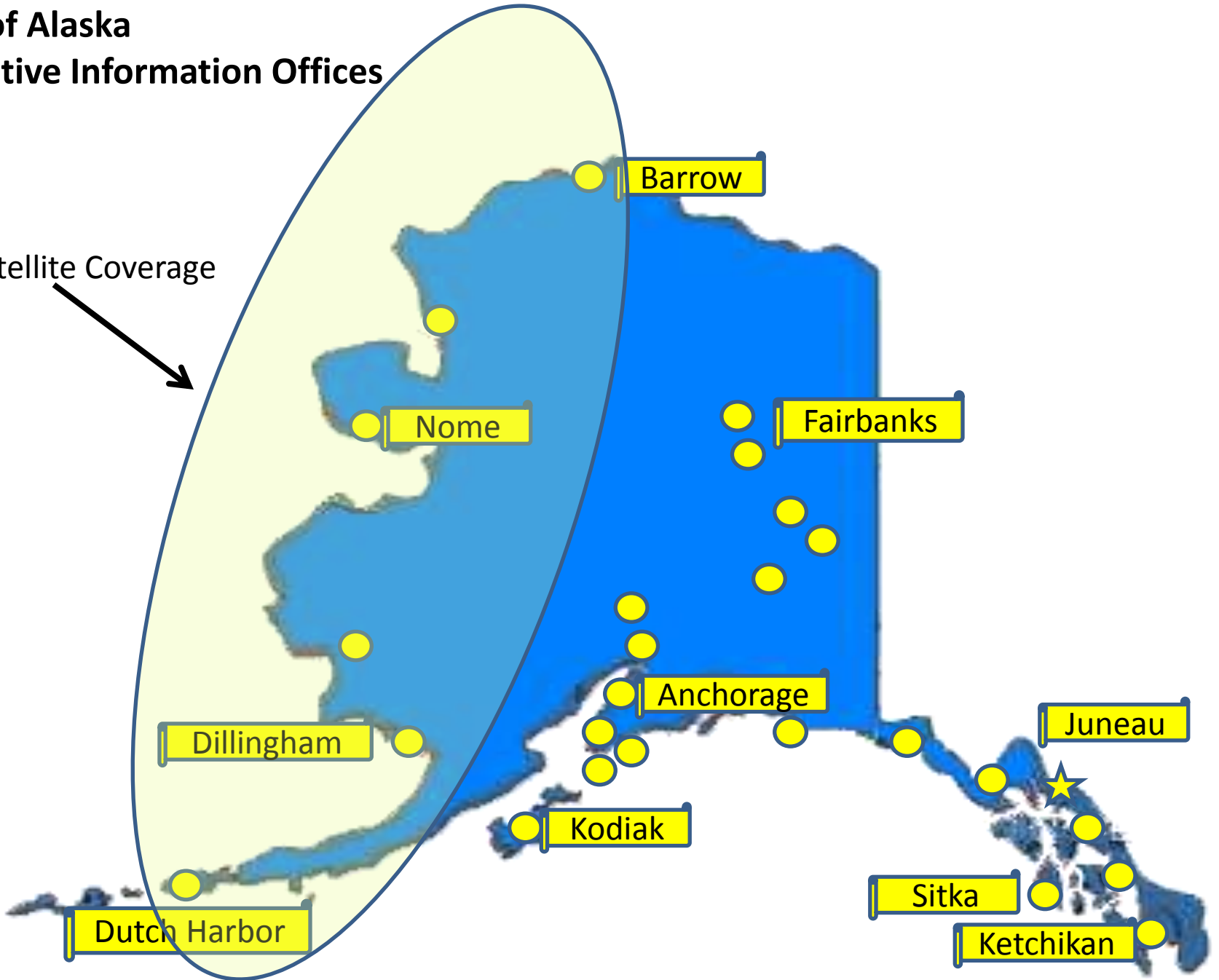
Alaska's Communication Challenges

- Great distances between communities. Few roads.
- Expense, time, and weather issues involved with travel.
- Lack of high speed circuits to many locations (satellites).

State of Alaska

Legislative Information Offices

Satellite Coverage



Satellite Dishes/Radio Towers in Alaska

Chevak,
Courthouse



Barrow Alaska Earth Stations



St. Paul



**Kennsington,
in the spring**



**Kennington,
in winter**



Prudhoe Bay



**Mekoryuk
(near Bethel)**



Ugchirnak Mtn., Bethel, Western Alaska



**Asknuk Mtn, Scammon Bay,
Western Alaska**





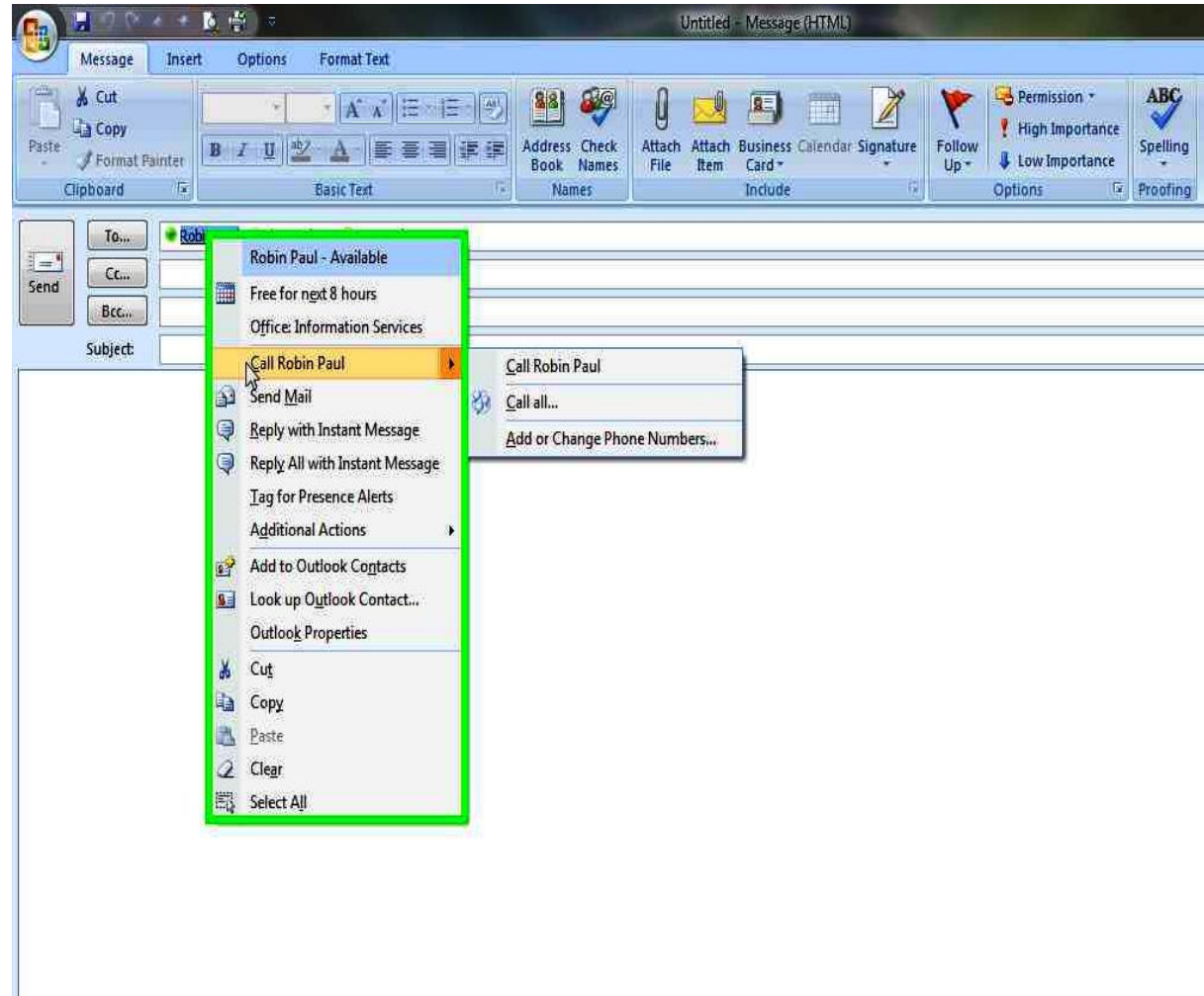
Alaska Legislature Products/Projects to facilitate communications

- We operate a Microsoft Exchange 2007 Server with
 - Outlook 2007 clients
 - OWA (Outlook Web Access)
- Microsoft Office Communicator Server (OCS) 2007
 - Instant Messaging, video calls
 - Presence
 - CWA (Communicator Web Access) 
- Smartphones/Mobile devices/Laptop connectivity
 - Blackberry (BES), iPhones, Android, etc..
 - OCS/CWA connectivity
 - USB devices for laptops

Exchange2007/Outlook 2007

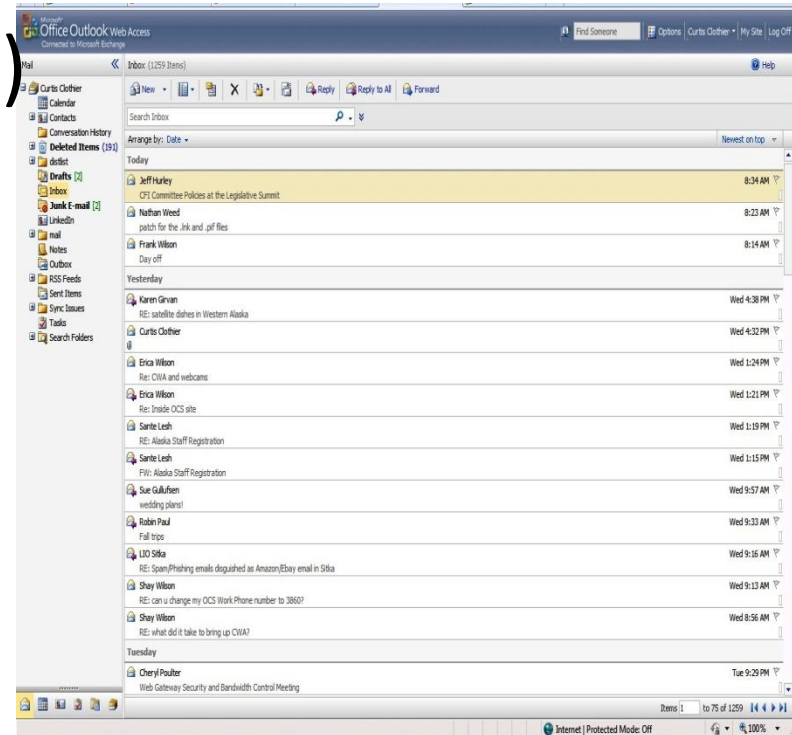
Major Features:

- Email,
- Calendar,
- Contacts,
- Instant Messaging
- Alerts
- Network Presence



Outlook Web Access (OWA)

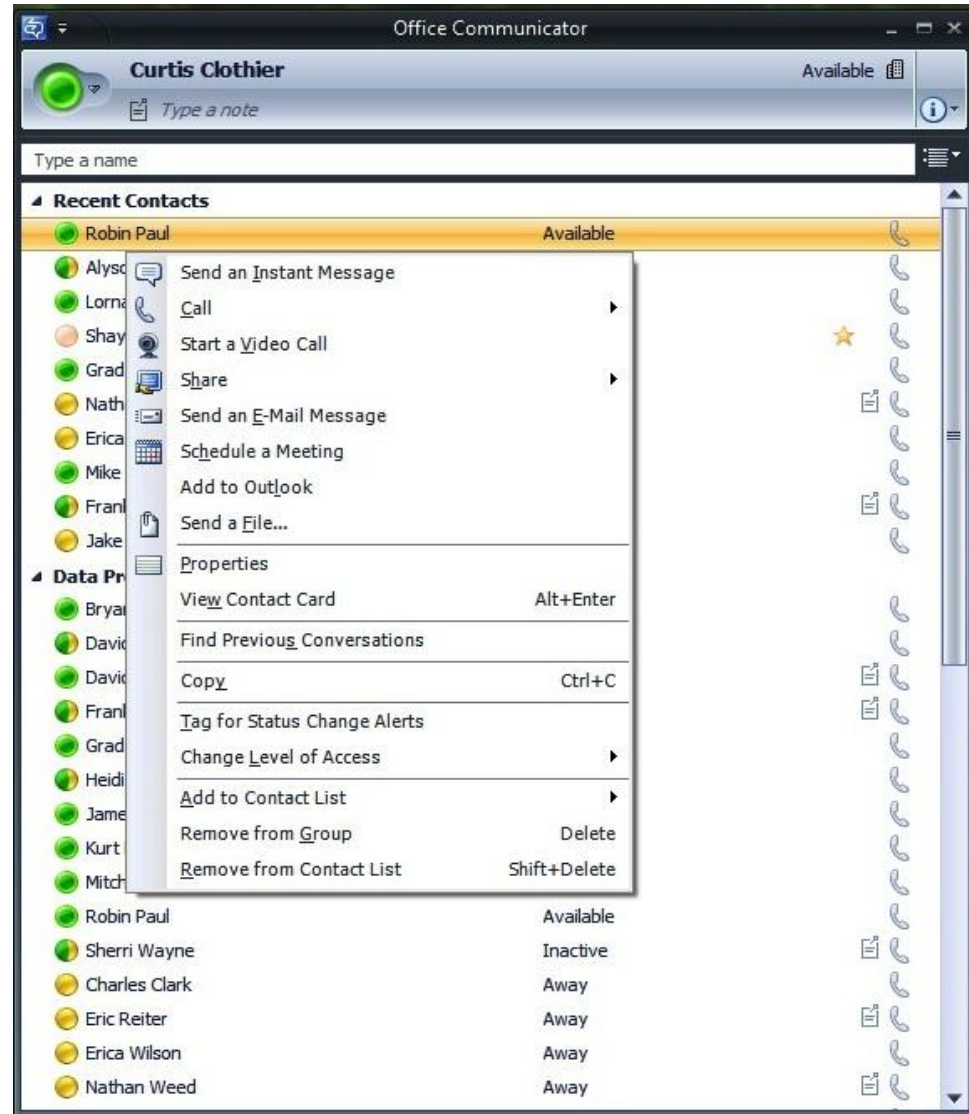
- Webmail (Calendar, Contacts)
 - 90% of 'desktop' Outlook features are available.
 - Good solution for remote locations with slow connections.
- Provides link to internal *SharePoint* site for document sharing.



Office Communicator 2007

Major Features:

- Instant Messaging,
- Email,
- Organize a meeting,
- Presence/Status
- Start a video call




Office Communicator 2007 Video Call

The screenshot displays the Office Communicator 2007 interface during a video call. The window title is "Lorna Steelman - Conversation". The interface is divided into several sections:

- Top Bar:** Contains icons for chat, video, and audio, along with an "Invite" button.
- Call Controls:** A row of icons for mute, unmute, video on/off, and a timer showing "0:05:59".
- Contact List:** Lists "Curtis Clothier" and "Lorna Steelman" with icons for chat, call, and video.
- Chat Window:** Shows a conversation history:
 - Curtis Clothier (10:14 AM): "hi Lorna, have a moment for a video call test??"
 - Lorna Steelman (10:15 AM): "Sure!"
 - System message: "Connected to Lorna Steelman (Lorna_Steelman@legis.state.ak.us)."
- Video Feed:** A large window showing Lorna Steelman, a woman with short blonde hair and glasses, wearing a dark top. A smaller inset window shows Curtis Clothier.
- Bottom Bar:** Includes a text input field, a microphone icon, and a "Send" button.

Office Communicator

- Installed on all Legislative computers
- Used in:
 - Remote offices
 - Intra office
 - In meetings (between moderators)
- Communicator Web Access (CWA) 
 - Just rolling out for the Alaska Legislature
 - Users can log into secure network for Instant Messaging
 - Envision Office Communicator as a productivity tool
 - Training and 'roll-out' announcements later this year.

Microsoft Communicator Web Access (CWA)



[Help me sign in to Communicator Web Access](#)

<https://cwa.legis.state.ak.us>

Encrypted through SSL third party-certificate based encryption
(the same mechanism that secures online ordering).



Office Communicator (OCS) vs. Communicator Web Access (CWA)

OCS
Desktop
client

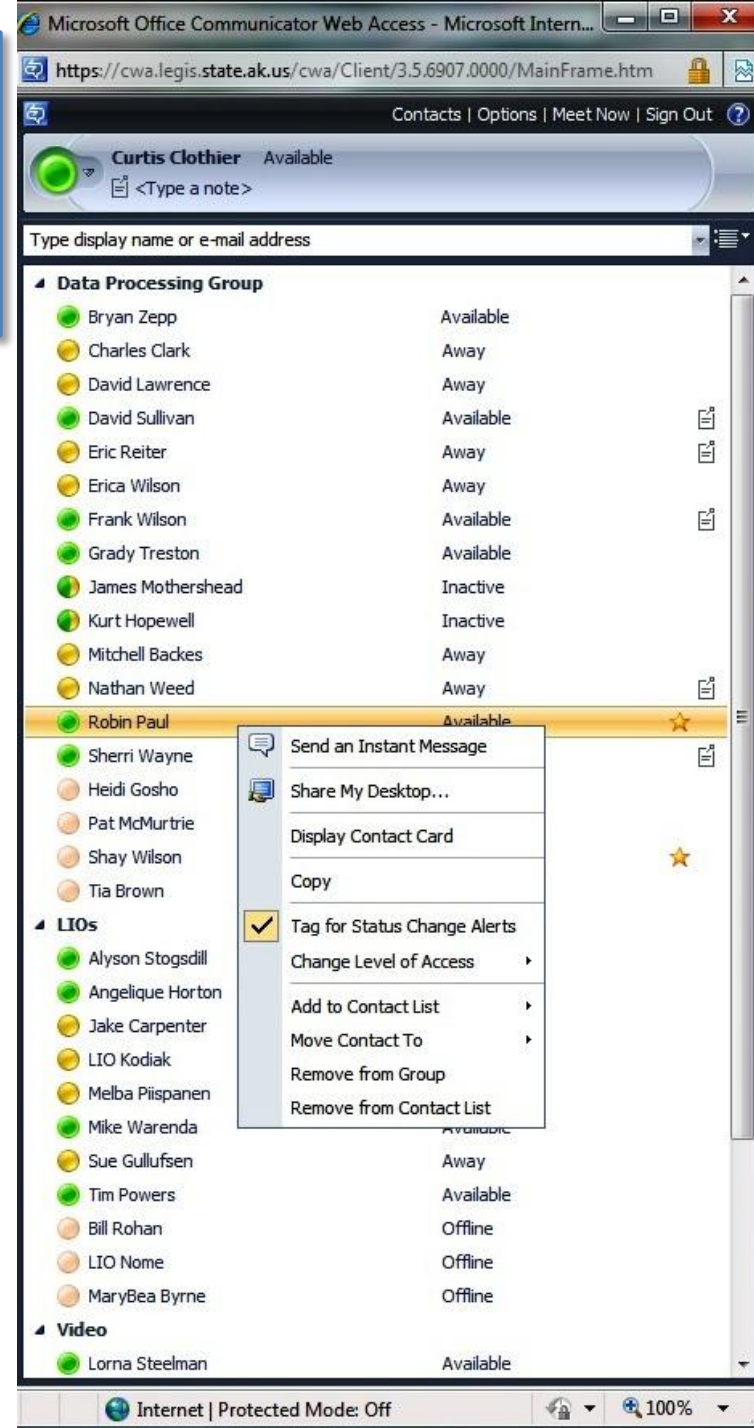
The screenshot shows the Office Communicator desktop application. The window title is "Office Communicator". The user's name is "Curtis Clothier" and their status is "Available". Below the header is a search bar "Type a name". The main area displays a list of contacts categorized into "Recent Contacts", "Data Processing Group", and "LIOs". Each contact entry includes a name, a presence indicator (e.g., green dot for available, yellow for away, orange for offline), and a status label. The contact "Grady Treston" is highlighted in yellow. The interface includes standard window controls and a taskbar at the bottom.

CWA
Web
client

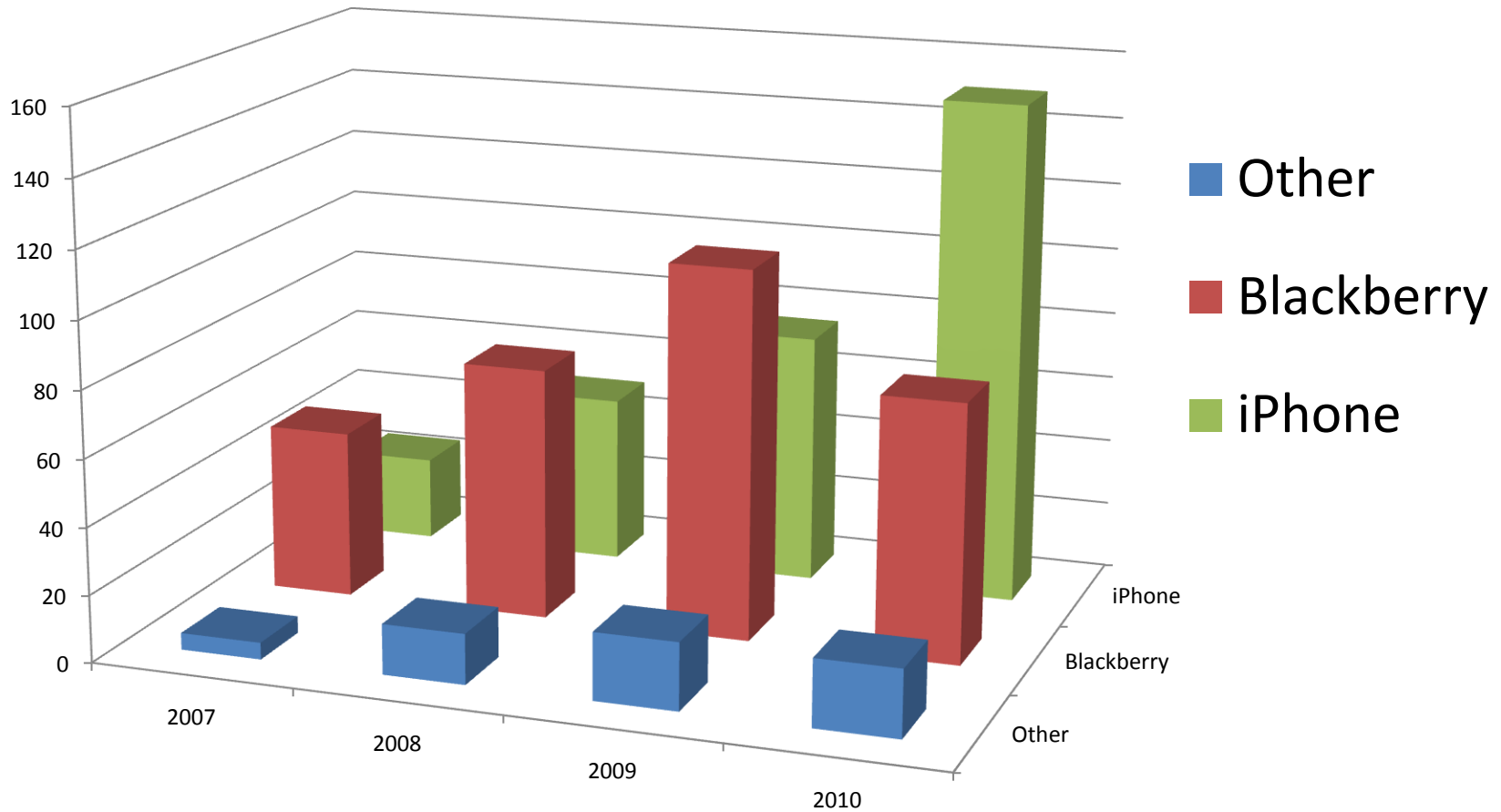
The screenshot shows the Communicator Web Access (CWA) web client interface in a Microsoft Internet Explorer browser. The address bar shows the URL "https://cwa.legis.state.ak.us/cwa/Client/3.5.6907.0000/MainFrame.htm". The user's name is "Curtis Clothier" and their status is "Available". Below the header is a search bar "Type display name or e-mail address". The main area displays a list of contacts categorized into "Data Processing Group", "LIOs", and "Video". Each contact entry includes a name, a presence indicator, and a status label. The contact "Grady Treston" is highlighted in yellow. The interface includes standard browser controls and a taskbar at the bottom.

Microsoft Communicator Web Access (CWA)

- Major Features:
 - Instant Messaging
 - Desktop Sharing
 - Status Change Alerts



Smartphone preference at the Alaska Legislature



Communicator Web Access (CWA) Smartphone integration

- Products:
 - iDialog for iPhone
 - iOCS (untested)
 - FUZE for iPhone and Blackberry
 - Blackberry Office Communicator
 - Microsoft Office Communicator for Windows Mobile

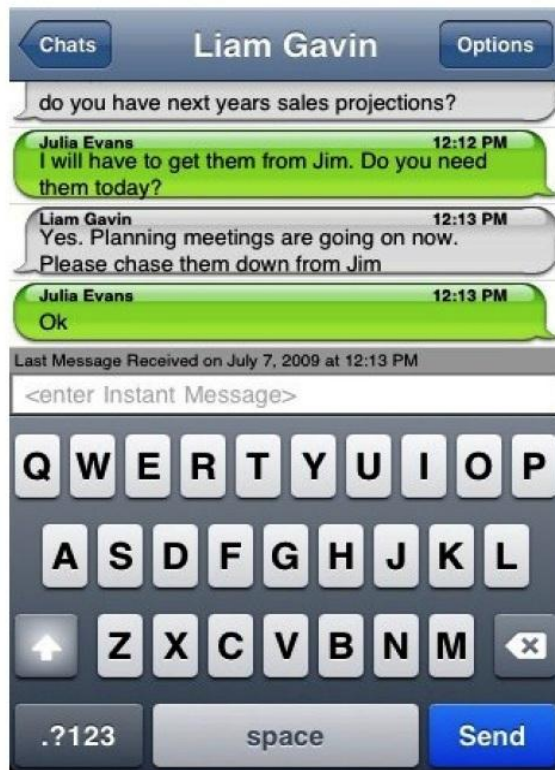


iPhone/OCS Integration

iDialog screenshots



- Legislature (and State of Alaska) block commercial chat products.
- Modality Systems *iDialog* Product integrates with Microsoft OCS.



IM conversation experience



Multiple IM conversations in progress

iPhone/OCS Integration iDialog screenshots



Searching the Global Address List



Viewing a contact's information

Roaming Internet for your laptop

Access to webmail (OWA) and webchat (CWA)

Each carrier has USB devices to connect to the Internet. Useful for accessing corporate webmail and instant messaging.



Our Future Plans

- Work with Executive Branch to:
 - Link (federate) both Exchange Servers for ‘presence’
 - Incorporate Cisco VOIP telephone system into Legislature’s Exchange Server
- Continue to explore the use of personal webcams
- Research 3rd Party IM client access with our OCS system and Edge Server (MSN, AOL)
- Upgrade to ‘Exchange 2010’ next spring (2011)
- Upgrade to ‘Communications Server 14’ (2011)
- Continue to monitor our staffs use of communication technologies (IM, Social Networking, Smartphone's, email, voice, presence, etc.).

OCS/Smartphone Apps

- iPhone
 - iDialog (\$9.99)
 - FUZE (\$7.99)
 - iOCS (Free)
- Blackberry
 - BlackBerry Office Communicator (Free)
 - FUZE (\$7.99)
- Windows Mobile O/S
 - Microsoft Office Communicator Mobile (Free)



Other Resources

- Websites
 - Microsoft OCS 2007
 - <http://www.microsoft.com/communicationsserver/en/us/default.aspx>
 - Inside OCS 2007 (3rd party) - <http://insideocs.wordpress.com/>
 - Phones and Devices for OCS 2007
 - <http://technet.microsoft.com/en-us/office/ocs/bb970310.aspx>
 - Communications Server 14
 - <http://www.microsoft.com/communicationsserver/cs14/en/us/overview.aspx>
- Books (Amazon)
 - Office Communications Server 2007 R2
 - Programming for Unified Communications

Summary

- Trying to leverage our investment in software and hardware to provide as many secure options for communications as possible.
- Some people prefer telephones, others prefer email. Some like Instant Messaging.
- Cost savings are important, but the opportunities for productivity enhancement for our customers is large (i.e. downtime while traveling).

Questions?



Barrow, Alaska