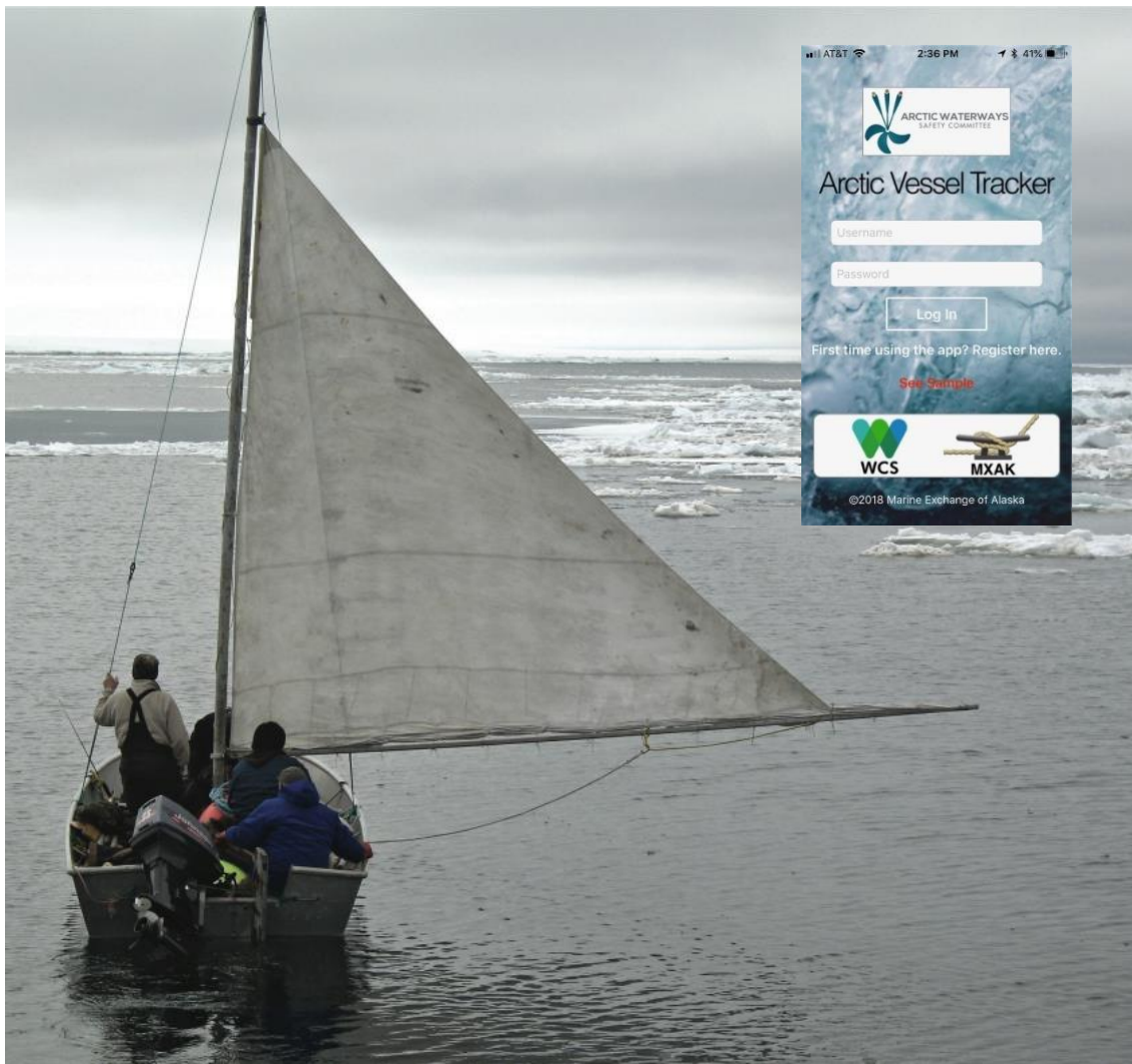


VESSEL TRACKING APP

Vessel Tracking for Maritime Subsistence Hunters

Instruction Manual v:1.0



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March 2019

Introduction

The Arctic Vessel Tracking App provides free access to information on commercial vessel activity for Alaska's Arctic maritime subsistence hunters. This service was requested by marine mammal co-management representatives including the Alaska Eskimo Whaling Commission, Alaska Beluga Whale Committee, Eskimo Walrus Commission, Ice Seal Committee, and Nanuuq Commission. It is intended for use by subsistence vessel captains, as approved by the Arctic Waterways Safety Committee.

The App shows local vessel activity, types of vessels, and details of individual vessels near a hunter's community. Hunters can set notifications for when vessels approach or depart a community. Data on specific vessels can provide information for hunters for understanding what nearby vessels are doing, and for reporting if conflicts or concerns arise. The App is limited to the ground-based AIS range (similar to VHF) ~20 to 40 miles depending on conditions and coastal terrain.


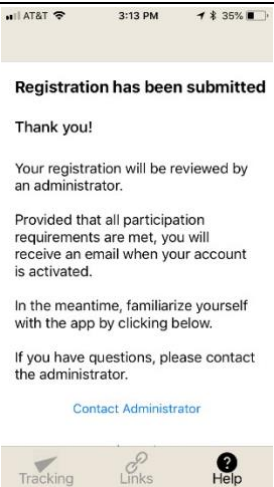
This version of the App is first generation and intended to be improved over time based on user's feedback. Please provide your feedback on what works and doesn't work by contacting the Vessel Traffic App's administrator at VTA_admin@arcticwaterways.org, or via your comangement representatives at AWSC meetings.

ARCTIC VESSEL TRACKING APP



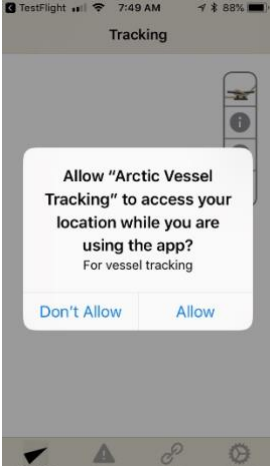
Install and Register:

Locate the Arctic Vessel Tracker App on Apple Store or Google Play Store. Click to install it on your device.

When you open the App for the first time you will see this registration page:

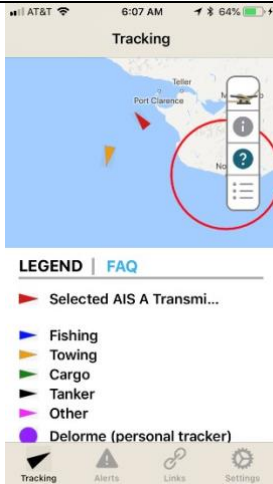
SCREEN SHOT	DESCRIPTION	ACTIONS
	<p>Home Page</p> <p>First time users will need to register</p>	<p>Click the "Register Here" area.</p> <p>The App will request user data including a physical address and phone number. This information is collected only to verify that the applicant belongs to an Arctic subsistence community. It is never shared.</p>
	<p>Registration Confirmation</p> <p>First time users receive this confirmation prior to receiving an email confirmation for account activation.</p> <p>Click on "Contact Administrator" if no response received in a few days.</p>	<p>No action necessary. Registration is necessary to ensure that the App is only being used by subsistence hunters due to agreements on the use of proprietary data.</p>

LOGIN:


SCREEN SHOT	DESCRIPTION	ACTIONS
	<p>Home Page</p> <p>Once your account has been set up, registered users can log in.</p>	<p>Add username and password and click Log In.</p>
	<p>Pop-up notification.</p>	<p>Touch "Allow" to receive periodic alerts about vessel traffic of interest.</p> <p>If you choose not to allow this service, the App will not work on your device.</p>
	<p>Pop-up notification.</p>	<p>Touch "Allow" to make the GPS position of the user's device available to the App.</p> <p>If you choose not to allow this service, the App will not work on your device.</p>

VESSEL TRACKING:

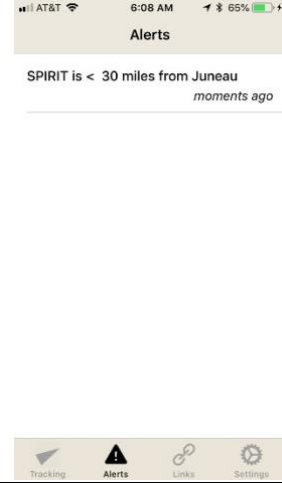
SCREEN SHOT	DESCRIPTION	ACTIONS
	<p>Location Map</p> <p>Once you log in, the App will display a map of your location.</p>	<p>The red circle is a 30 nautical mile reference line around your community. This line can be set on your settings page.</p>
	<p>Vessel List</p>	<p>Tap the "List" icon to get a list of all vessels currently detected by the local AIS receiver.</p>
	<p>Vessel Details</p>	<p>Select a vessel from the list by tapping it to get vessel details, including vessel name, speed and destination.</p>

SCREEN SHOT	DESCRIPTION	ACTIONS
	<p>Information Legend</p>	<p>Hit the “?” icon to learn what type of vessel (fishing boat, barge, etc.) the App has detected.</p>

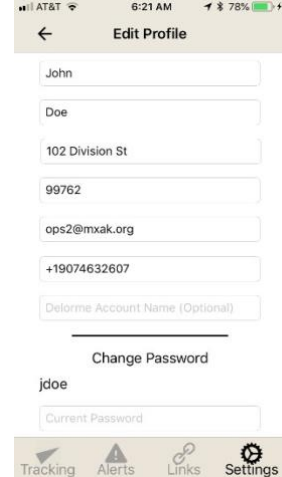
SETTINGS:

SCREEN SHOT	DESCRIPTION	ACTIONS
	<p>Settings Page</p> <p>The settings page allows you to set tracking notifications, switch between community groups, and log out of the App.</p> <p>Access the Settings page by clicking the gear icon at the lower right-hand corner of the screen.</p>	<p>Set tracking notifications by selecting your preferred distances. You will be alerted if a vessel approaches your community.</p> <p>Switch between community groups by selecting your community at the top of the page, if you have access to more than one group.</p> <p>Log out of the App by scrolling down and selecting the log out button on the bottom of the page.</p>

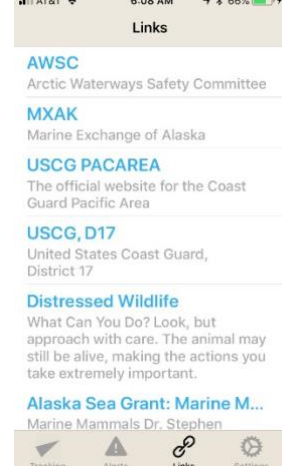
ALERTS:

SCREEN SHOT	DESCRIPTION	ACTIONS
	<p>Alerts Page</p> <p>The alerts page notifies you of vessels coming within range of your community.</p> <p>It can also display other marine alerts, such as oil spill or search and rescue alerts.</p>	<p>No action necessary</p>

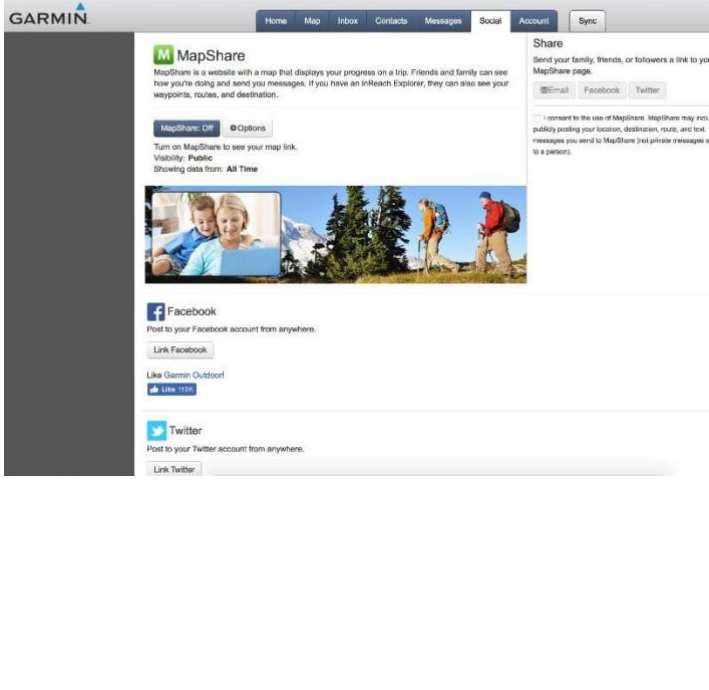
PROFILE:

SCREEN SHOT	DESCRIPTION	ACTIONS
	<p>Profile Page</p> <p>Access the profile page by clicking on the link located on the Settings Page.</p>	<p>The profile page allows you to make changes to the password, name or address assigned to the account.</p>

LINKS:

SCREEN SHOT	DESCRIPTION	ACTIONS
	<p>Links Page</p> <p>The links page offers quick access to web pages for important marine agencies.</p>	<p>Select a link by clicking on it. You will be redirected to the page you choose. To exit the agency web page, and return to the App, click the X at the top of the web page.</p>

DeLorme InReach:

SCREEN SHOT	DESCRIPTION	ACTIONS
	<p>To display your InReach on the Tracking page, go to the Garmin accounts web page (shown here).</p>	<p>Sign into your DeLorme account and click on the Social Tab. Turn MapShare to "On," and select a username under "Options."</p> <p>Enable tracking on Inreach.</p> <p>On the App, enter Delorme username on profile page.</p>