

ALASKA MARINE HIGHWAY

CAREER AWARENESS ACTIVITY



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Below are some real jobs, if you are interested in a career on a ferry. Draw a line from the job title to the correct description. You can visit these and other job postings on the Alaska Marine Highway's employment website, located at www.dot.state.ak.us/amhs/employment.shtml.

- | | |
|-------------------|--|
| Captain ○ | ○ <i>assists the captain</i> |
| Deckhand ○ | ○ <i>navigates ship through channels, harbors or other difficult waterways</i> |
| Engineer ○ | ○ <i>operates and maintains the ship and its equipment</i> |
| Pilot ○ | ○ <i>oversees and commands the all ship operations</i> |
| Mate ○ | ○ <i>provides customer service for passengers</i> |
| Steward ○ | ○ <i>operates and maintains engines and other machinery</i> |

Below are occupations you might not think have anything to do with operating a ferry system. How do you think each occupation could be utilized by the AMHS?

Mechanic _____

Chef _____

Driver _____

Accountant _____

Customer Service Rep. _____

Security Officer _____

ALASKA MARINE HIGHWAY

VOCABULARY ACTIVITY

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Z Y D B A Q A A B B Y T N N A V T H Y R
M I H L L X D W L C A N P K W P I X R M
V Z I U A E N U J P U E F H S N E J A X
Y Y D A S E E M L K V M P L X D O Z S G
M U W R K C U G F S O E C P U F L Z R M
Y E D I A Q R I Z L Y T C R F D B A E E
W H N N M W V X Y I I A Z J M Z X D V A
H O O N A H E H P M Z T W Q G X T I I L
S E Z T R U S T Y T U S T Y L V T C N I
X D S F I J W F S T B N C W B A B N N R
J E N A N O I T A T R O P S N A R T A Q
K V F Z E Y T E M I T I R A M Z A L Y R
M G N F H Y W Y I N Z S K J M K Z C R R
G H Y T I N U M M O C S S E L D A O R N
N L M Q G L K S W V A I Y I F R I Z E G
E U S Y H S Q G I L P M H R E R M Z F D
K D P N W P E L A L T C T E C T M C Z S
X A L L A M E R I C A N R O A D C I Q K
Z R T W Y M X G F A I T P T C U Y M X L
Y Y J E W Y Z H T D N P P V Z R O P Y K

ALASKA MARINE HIGHWAY

ALASKA NATIVE

ALL-AMERICAN ROAD

ANNIVERSARY

BLUE CANOE

BYWAYS

CAPTAIN

CAREER

CHILKAT

FERRY

HOONAH

JUNEAU

MARITIME

MISSION STATEMENT

ROADLESS COMMUNITY

STEWARD

TRANSPORTATION

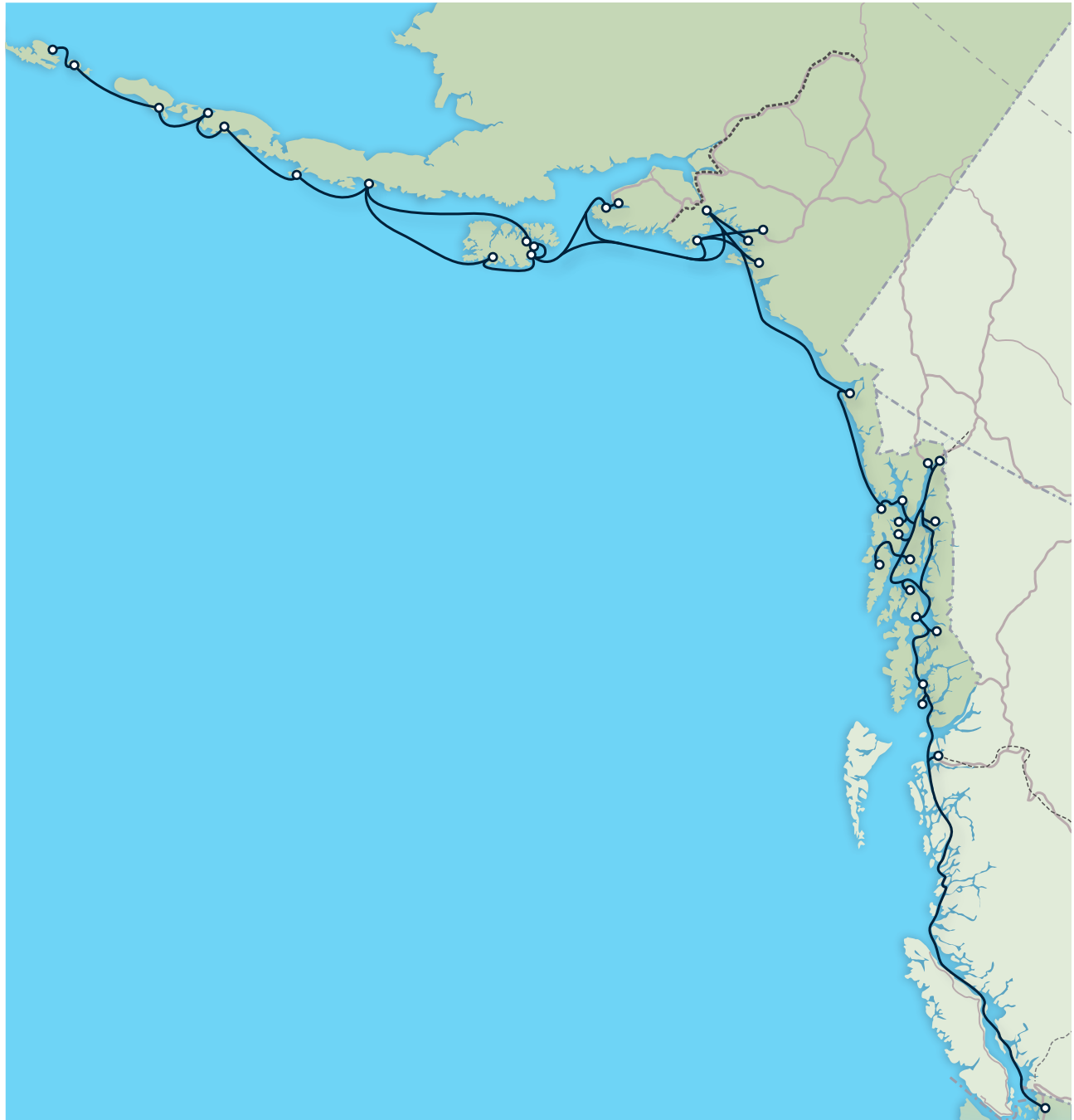
TRUSTY TUSTY

ALASKA MARINE HIGHWAY

PORT ACTIVITY

PORT ACTIVITY

Directions: Using the website www.dot.state.ak.us/amhs/routes.shtml, write the full name of each port in its correct location. On the website, you can put the mouse over each port's abbreviation to discover the full name and other details. For example, WRG is short for Wrangell.



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COMMUNITY ACTIVITY

COMMUNITY ACTIVITY

Directions:

Using the internet website www.dot.state.ak.us/amhs/routes.shtml, pick one community along the Alaska Marine Highway to research. Click on the port of your choice. Then click the box that says "More About This Community." Read about the community and provide answers to the following questions below.

1. There is a link to the community's own website at the top. Write down the website address.

2. Write a brief description of where the community is located.

3. What is its latitude? _____

4. What is its longitude? _____

5. The community's economy is dependent on what? _____

6. Where is your community on the map? Draw a dot in the correct location and label it.

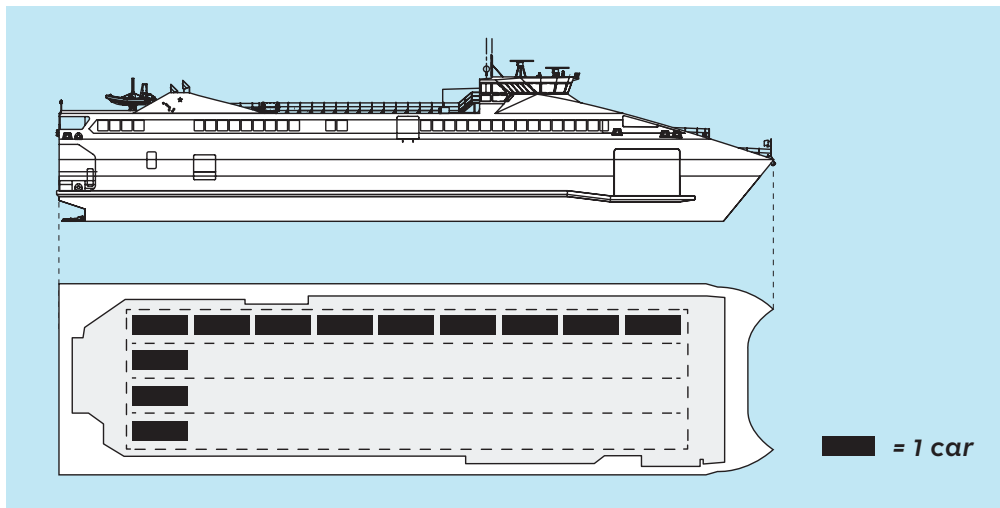


ALASKA MARINE HIGHWAY

VESSEL ACTIVITY ONE

VESSEL ACTIVITY ONE

Use the diagram of the M/V Fairweather to estimate how many vehicles it can carry.



1. I estimate the Fairweather can carry _____ vehicles.
2. If vehicles were put bumper to bumper, the ferry could carry up to 720 feet. How long do you think the average vehicle is? _____
What is your new estimate for how many vehicles can fit on the Fairweather? _____
3. Vehicles come in different lengths. Do you think this will affect how many can fit? Explain.

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VESSEL ACTIVITY TWO

VESSEL ACTIVITY TWO

The M/V Fairweather is one of the fastest ferries on the Alaska Marine Highway. In contrast, the M/V Columbia is slower, but carries more people and vehicles. From the two pictures and the information provided, which ferry do you think is the Fairweather and which one is the Columbia? Write each name in the space provided.



Name: Columbia



Name: Fairweather

Year Built:	1974	2004
Length (ft.):	418	235
Beam (ft.):	85	60
Displacement (LT):	7,684	787
Loaded Draft:	17'-6.13"	8'-6"
Service HP:	14,000	19,310
Service Speed (kn):	17.3	32
Domestic Tons:	3,946	1,280
International Tons:	13,009	3,442
Crew Capacity:	63	10
Passenger Capacity:	499	210
Total Staterooms:	104	0
Total Berths:	298	0
Vehicle Capacity (ft.):	2,660	620
Vehicle Quantity:	133	31

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LOCATE THE INFORMATION

LOCATE THE INFORMATION

1. In what year was the Columbia built? _____
2. How many years older is the Columbia than the Fairweather? _____
3. What is the total capacity for passengers on the Columbia? _____
And on the Fairweather? _____
4. A bed on a ferry is called a berth. How many berths are there total on the Columbia? _____ And on the Fairweather? _____
5. The length of the Fairweather is 235 _____ (inches, feet, yards, miles)

Analyze the Information

Ships measure their speed in knots (kn) and nautical miles. If your ship is traveling at a speed of 1 knot, then you are said to be going 1 nautical mile per hour. A knot is approximately equal to 1.15 miles per hour (mph). Locate the service speed for each ferry and answer the following questions.

How fast is the Fairweather going in nautical miles per hour? _____

How fast is the Columbia going in nautical miles per hour? _____

Convert the Fairweather's nautical speed to miles per hour. _____

Convert the Columbia's nautical speed to miles per hour. _____

The distance between Juneau and Skagway is about 72 miles. If both ferries left Juneau at 9:00 AM, how long would it take for each ferry to arrive in Skagway?

Columbia _____ *Fairweather* _____

What time would each arrive?

Columbia _____ *Fairweather* _____

Evaluate Your Information

Look closely at your answers for #3 and #4. What is interesting about the answers you gave for those two questions?
