



## Raincoast Field School @home: “Magical Mudflats” Raincoast Challenge

*This week has been all about the Mudflats ecosystem! We have learnt a variety of terrestrial and marine species that use the mudflats for food, shelter and refuge. When the tide is high the mudflats are covered by a shallow layer of ocean water. But when the tide pulls out, the mudflats are exposed to the open air! Lets go explore the mudflats ecosystem further.*

### Challenge #1

You first must learn to read a tide chart! The mudflats are only exposed during low tide periods, therefore before you head out in the field for your Raincoast Challenge this week, you must first plan your outing based on the tides. Use the following link to see which day and time would be best:

<https://www.waterlevels.gc.ca/eng/station?sid=8615>

### Challenge #2

Once you have set a date to go visit the mudflats in your region, bring along the “Mudflat Field Trip Observation” worksheet to record your infield observations.

### Challenge #3

Now that you are an expert with all things mudflats related, try solidifying your knowledge by completing the Mudflat Word Search.



## Mudflat Field Trip Observations

Name:

Mudflat Location:

Date	
Time	
Season	
Weather Pattern	
Tide	
Wind (direction/ speed)	

Observations (Name as many as you can for each category)

Bird	
Mammal	
Invertebrate	
Plant	
Tree	
Other	

Interesting fact	
My favourite observation	

Scientific Drawing/ Extra field notes:
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## Raincoast Mudflats Challenge: Word Search



Try to find the following mudflat-related words in the word search above.

Salmon	Productive	Bear
Habitat	Nutrients	Nursery
Mudflats	Strain	Food web
Clams	Humans	Pollution
Migratory	Wolves	Shellfish
Eelgrass	Wetland	Heron
Calm	Tides	Eagle
Otter	Detritus	Resting place