


WORKSHEET ACTIVITY 1

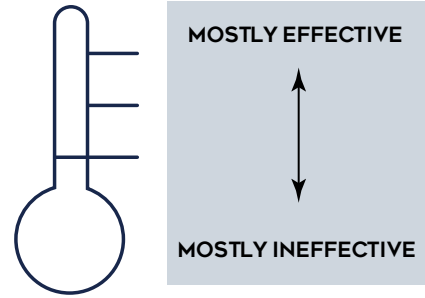
SPEAK LIKE A GEOGRAPHER: COASTAL ENVIRONMENTAL CHANGE AND MANAGEMENT

Use this template to create your glossary throughout this topic

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







WORKSHEET ACTIVITY 2

KEY:



EVALUATING EFFECTIVENESS: STRATEGIES TO ADDRESS MANAGEMENT ISSUES ON SANDY COASTS

Fill the gauge to represent the level of effectiveness of each management strategy at a stated location.

 <p>Beach Nourishment</p> <p>Aim of the strategy</p> <p>A location</p> <p>Effectiveness level (circle)</p> <p>High Medium Low</p>	 <p>Groynes</p> <p>Aim of the strategy</p> <p>A location</p> <p>Effectiveness level (circle)</p> <p>High Medium Low</p>	 <p>Training Walls</p> <p>Aim of the strategy</p> <p>A location</p> <p>Effectiveness level (circle)</p> <p>High Medium Low</p>
 <p>Rock Walls</p> <p>Aim of the strategy</p> <p>A location</p> <p>Effectiveness level (circle)</p> <p>High Medium Low</p>	 <p>Sand Bypass System</p> <p>Aim of the strategy</p> <p>A location</p> <p>Effectiveness level (circle)</p> <p>High Medium Low</p>	 <p>Artificial Reef</p> <p>Aim of the strategy</p> <p>A location</p> <p>Effectiveness level (circle)</p> <p>High Medium Low</p>

NOTE: You are evaluating (making a judgment) about whether the selected strategy has been successful achieving its aim at a specific location (this is the criteria).

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ACTIVITY 3

TWEED SAND BYPASSING:

SEE SAW ACTIVITY FOR VIDEO COMPREHENSION

- i. Work in pairs
- ii. Watch the [video](#) on the TSB website
- iii. Stop the video every minute. Student 1 adds information from the video to the table in the relevant section. Student 2 then has a turn. See Saw until they have covered the key information for each section.

NOTE: Each student CANNOT add information until the other student in the pair has contributed.

Tweed River: challenges and responses	Examples of beach erosion (prior to TSB)
The Tweed Sand Bypassing Project	What questions about management of the Tweed/ Gold Coast coastal environments do you have after learning about TSB and watching this video?

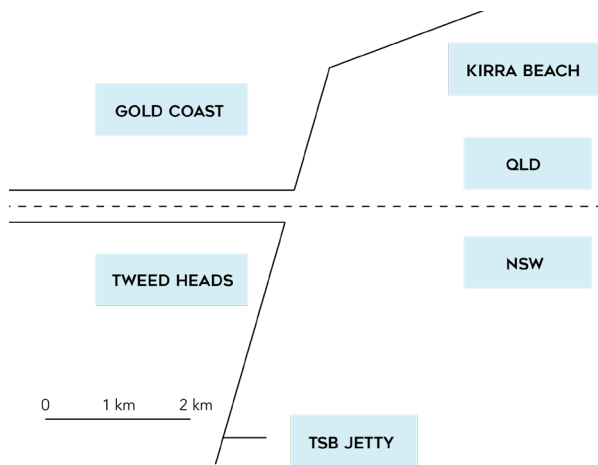
WORKSHEET

ACTIVITY 4

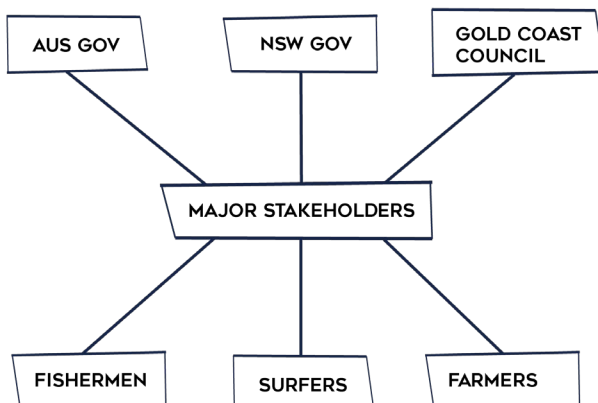
TEST YOUR KNOWLEDGE AND UNDERSTANDING: FIND IT / FIX IT

Find the mistake(s) in each statement or image. Write a corrected version in the space below. Cross or white out incorrect labelling on images and replace with corrected text.

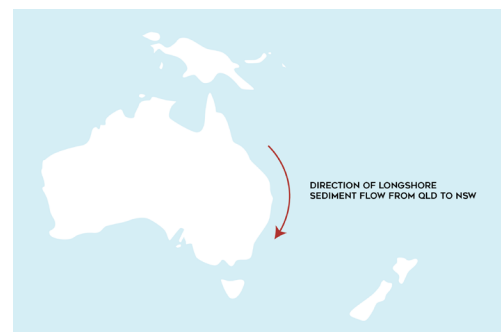
Sand accumulates on the northern side of the Tweed Training walls.	The jetty dredges sand from the ocean floor and Tweed River and deposits it directly onto beaches to the north.	A dredge works continuously in the Tweed River to remove shoals and sand bars.	The TSB system of pipelines goes over the river and along roadways to the places that will receive the sand.
Surfing conditions and 'point breaks' are directly determined by the weather and wave strength.	The Gold Coast is Bundjalung Country who are not involved in any management planning decisions.	The Tweed training walls were an unsuccessful project because they did not solve the problem they were designed to fix.	The main aim of the TSB project is to keep the Tweed River navigable.
The TSB system delivers sand to six Queensland Beaches on a continuous basis.	The work of the TSB Project is of no interest to local community groups.	The TSB is a NSW government project that consults with the Queensland government.	The TSB System runs automatically and does not require adjustments over time.



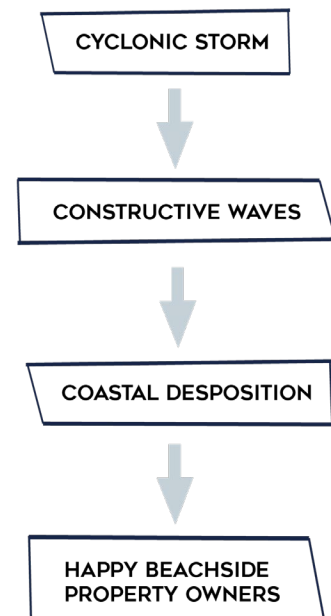
Fix the mind map



Fix the sketch map



Fix the map



Fix the flow chart

WORKSHEET ACTIVITY 5

COASTAL ENVIRONMENTAL CHANGE and MANAGEMENT: GLOBAL SCALE

Complete the mind map about environmental change in coastal environments at a global scale. Work clockwise from Coastal Change. Add more circles where needed.

