

# Shoreline Video Assessment

Your task is to assess your shoreline video assessment data sent back from the MangroveWatch Science Hub. Use the table below to guide your assessment.

**Table 1. Mangrove biomass assessment criteria**

Mangrove Biomass Score	0	1	2	3	4	5
Height classification	No mangrove	Canopy height <2m	Canopy height 2-4m	Canopy height 4-6m	Canopy height 6-8m	Canopy height >8m
Forest structure classification	N/A	Scattered mangrove: individual trees, 1 or 2 trees	Sparse mangrove: individual trees >2m apart or small patches	Open forest: linear mangrove presence but spaces between canopy crowns	Open-continuous forest: canopy crowns touching and overlapping	Closed-continuous forest: crown canopies intermingling

1. Select **five** stills from your shoreline video assessment that clearly show the range of mangrove cover and density and give each still a name (such as Image 1, Image 2 etc.). Then assess mangrove biomass for each image, applying one of the following scores and recording this information below (**Hint:** ensure that each score is only applied once):

0 1 2 3 4 5

**Image 1.** Score -

**Image 2.** Score -

**Image 3.** Score -

**Image 4.** Score -

**Image 5.** Score -

2. Describe the two variables used in determining mangrove biomass.

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3. Whose role is it to assess the mangrove biomass and why?

4. Explain how MangroveWatch shoreline video assessment allows for data quality control.

5. Explain why GPS tracking is important to the shoreline video assessment process?