Species Invasion Management in Florida

***Listen to the first part of the video in class (00:00 – 1:21) and answer the questions below:***

**1. Florida’s southern coast is qualified as :**

a) one of the …………………………………………………………………………………

………………………………………………………………………………………………......

b) home to the ………………………………………………………………………………

………………………………………………………………………………………………......

**2) Complete the sentences below with the missing numerical information.**

There are ………………………………….of fish species living here.

Eric Nelson has found lion fish at depths up to ………………………………. feet.

Lionfish are capable of eating …………………………………. % of their body

weight in fish every day.

Eric has pictures that show ……………………………….. small fish in a lionfish gut.

**3) The Derby.**

The task set for the lionfish derby is to catch ………………………………………..

…………………………………………………………… before ………………………….

**4) The fisherman.**

|  |  |
| --- | --- |
| How long has Paul Verian been diving here? |  |
| When did he see his first lionfish? |  |
| How did he feel when he saw his first lionfish? (circle your answer) | frightened surprised    amused sad |
| What does he say about lionfish distribution nowadays? |  |

**Partner A. Watch from 1:22 to 2:45 & take notes in the table below.**

**Lionfish :**

|  |  |
| --- | --- |
| Natural lionfish habitat sites: |  |
| Preferred theory about how they came to Florida: |  |
| Probable date they were introduced to Florida: |  |
| Findings of DNA studies: |  |
| Findings of Bahama study: |  |
| Effect of lionfish in Florida: the reef fish population has been reduced by: (circle your answer) | 15% 25% 30%  50% 60% 65%    75% 90% 95% |
| Prey: How many species do lionfish consume? |  |
| They consume grouper and snapper, but also fish that … | ……………………………………………...................  ………………………………………………………….  …………………………………………………………. |
| Has the lionfish population been impacted by human intervention?  (circle your answer) | Yes No  Justify your answer below:  ……………………………………………..................  ………………………………………………………... |

**Writing Exercise.** **To be done collaboratively – each group writes one paragraph.**

Write the report:**‘An Example of Species Invasion Management in Florida’**.

**Write about 1 side of A4 (about 250 words – DO NOT SPEND TIME COUNTING THE WORDS !!!).**

Include the following points:

- The current situation in Florida and how it happened

- Details of the invasive species and why it proliferates so successfully

- What could happen if no action was taken

- Community action – what is being done (fishermen, divers, government, REEF, FFWCC etc)

- The scientific point of view of this collaboration and the possibility of its success.