## Nā Wai 'Ekolu Stream Data: Grades 6 to 8 Calculating Ratios and Drawing Diagrams

Below is sample data collected at 3 different sites along Mānoa Stream in 2017. Use the count of native and non-native species at each location to determine the ratio of native species to invasive species at each relative

NĀ WAI 'EKOLU location (upstream, midstream, and downstream) then do the activity on page 2 and answer the questions on the supplementary worksheet provided.


Divide the tape diagram into sections then shade in the diagram with different colors to illustrate the ratio of native to invasive species downstream then compare your answer to the tape diagram on page 3. Be sure to include labels on your diagram.
native species : invasive species = $\qquad$ : $\qquad$
$\square$

Divide the tape diagram into sections then shade in the diagram with different colors to illustrate the ratio of native to invasive species midstream then compare your answer to the tape diagram on page 3. Be sure to include labels on your diagram.
native species : invasive species = $\qquad$ : $\qquad$
$\square$

Divide the tape diagram into sections then shade in the diagram with different colors to illustrate the ratio of native to invasive species upstream then compare your answer to the tape diagram on page 3. Be sure to include labels on your diagram.
native species : invasive species = $\qquad$ : $\qquad$
native species : invasive species = $\qquad$ 2 $: \quad 221$


## Midstream

native species : invasive species = $\qquad$ 1 : 846


Upstream
native species : invasive species = $\qquad$ 0 : 100

## 100


invasive

