Team ORCA Citizen Science Competition – Judging Rubric

PART 1: WRITTEN COMPONENT: 25 points					
This portion will guide your artistic component as you story tell through your artwork	Excels	Proficient	Below Standard	Well Below Standard	No Evidence
1. Title/Organization a. The report includes: *Title *Names of student author(s) *Grade(s) *School Name *ORCA dataset used b. Report is typed in readable font, well organized, and free of spelling and grammatical errors.	-	1	0.5	0	0
2. Research Question a. Scientific question and claim about the dataset are clearly stated	4	3	2	1	0
3. Data Representation (at least one graph, table, etc.) a. Graph(s), tables(s), or other type of summary includes: *Clearly displayed data *Title *Labeled axes with units b. Statement that clearly describes what you are seeing in the graph, table, etc. *Ex 1. Despite an overall increase in mussel population from 1995-2010, the mussel population sharply dropped in 2003.* *Ex 2. The average mercury concentration of hardhead catfish in the Indian River Lagoon was XX mg/L compared to sheepshead which was XX mg/L.*	10	8	6	4	0
4. Data Interpretation (Explanation) a. Provides a reasonable explanation of why their trend happened. Ex. "The elevated phosphate levels at site X are causing impacts to the stream in the forms of excessive algal growth and reduced benthic macroinvertebrate diversity. We believe that fertilizers from the golf course may be the cause." b. Participant supports their explanation with evidence.	10	8	6	4	0

PART 2: CREATIVE COMPONENT: 75 points					
This portion is where you show us what you've got artistically and creatively	Excels	Proficient	Below Standard	Well Below Standard	No Evidence
1. Creativity a. Project is interesting, new, thoughtful, and makes an original contribution to the field of environmental art and/or communication (data telling).	15	12	6	4	0
2. Project Quality a. Materials, media, and/or resources are skillfully and effectively used to create a compelling project.	15	12	6	4	0
3. Data Incorporation a. The trend(s) in the data are accurately and clearly portrayed in the artwork. b. After viewing/experiencing the project, the audience will understand the trend(s) in the data and the story being told by the creator.	15	12	6	4	0
4. Effectiveness a. The project meets its stated goals. b. The design of the project clearly and naturally relates to the data/ dataset.	15	12	6	4	0
5. Readiness a. Project can be displayed independent of creator and easily understood and interpreted by viewer.	15	12	6	4	0

TOTAL POINTS: _____

**This rubric has been slightly modified from The Cary Institute of Ecosystem Studies Hudson Data Jam Competition- Judging Rubric.*

** https://www.umass.edu/mwwp/pdf/intmanl.pdf*