**Snapshot Day 10/24/14 Data**

**(Salt Front RM 65.3)**

**RM -2 , Valentino Pier**

**Theresa Geelhoed and Erin Maquire, NYS SCA members**

**Barbara Taragab, Elissa Eisenberg, Chris Doyle The Brooklyn New School PS 146 4th graders – 32 students, Adults 10**

**GPS Latitude N : 40°40’42. 10” - W-74°01’06.07**

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**Location:** Valentino Pier, Redhook, Brooklyn, NY

**Area:** A large pile of rocks with a small rocky “beach”; area with large pier;

**Surrounding Land Use:** Beach – 5%; Urban/residential 5%; Industrial/Commercial 90%; - surrounding area landscaped with sea grasses. It is used as a dog walk although signs prohibit that use. Fishing was happening at end of the pier.

**Sampling Site:** beach

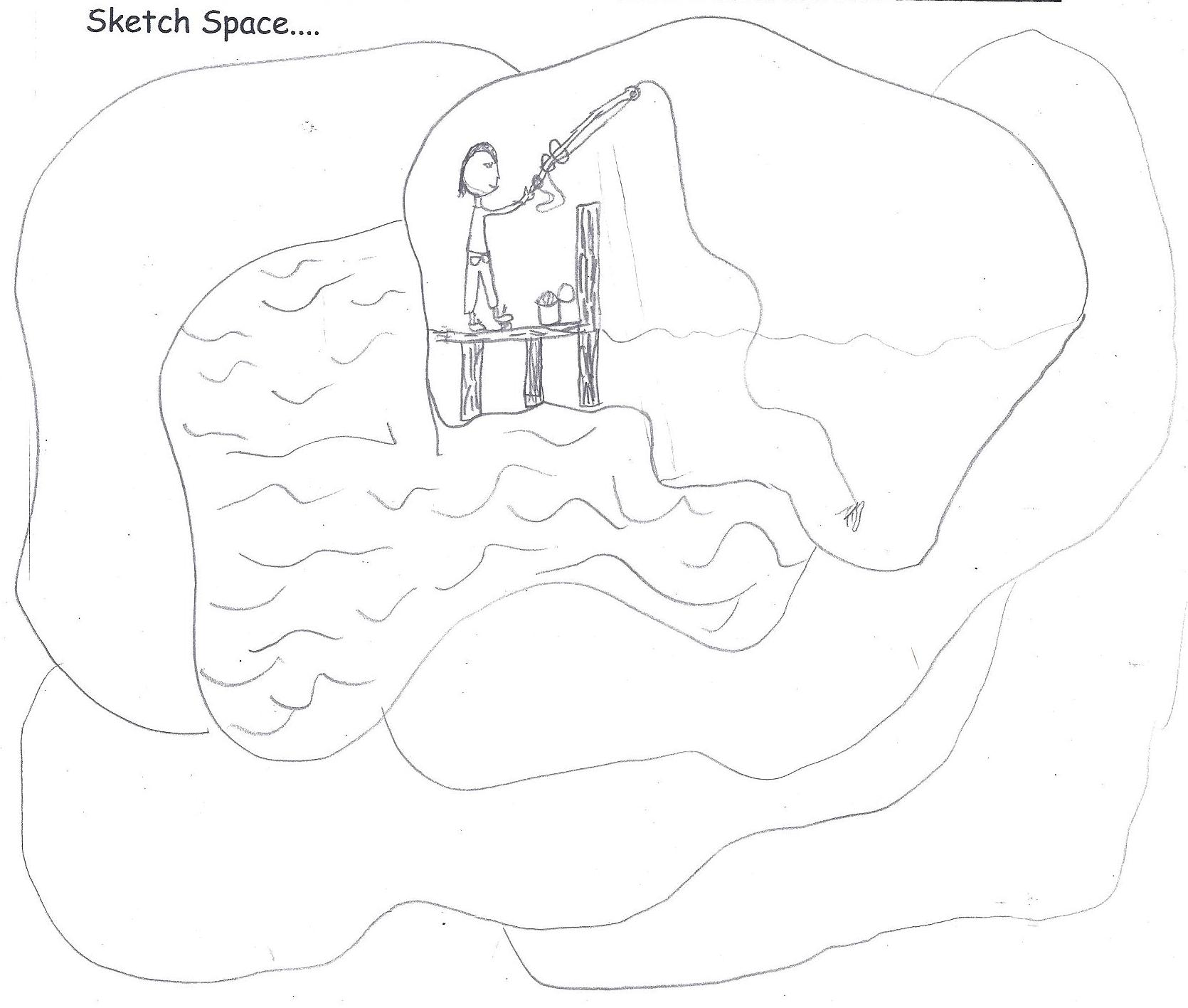
**Shoreline:** Pier, riprap

**River Bottom** : rocky near the little beach area

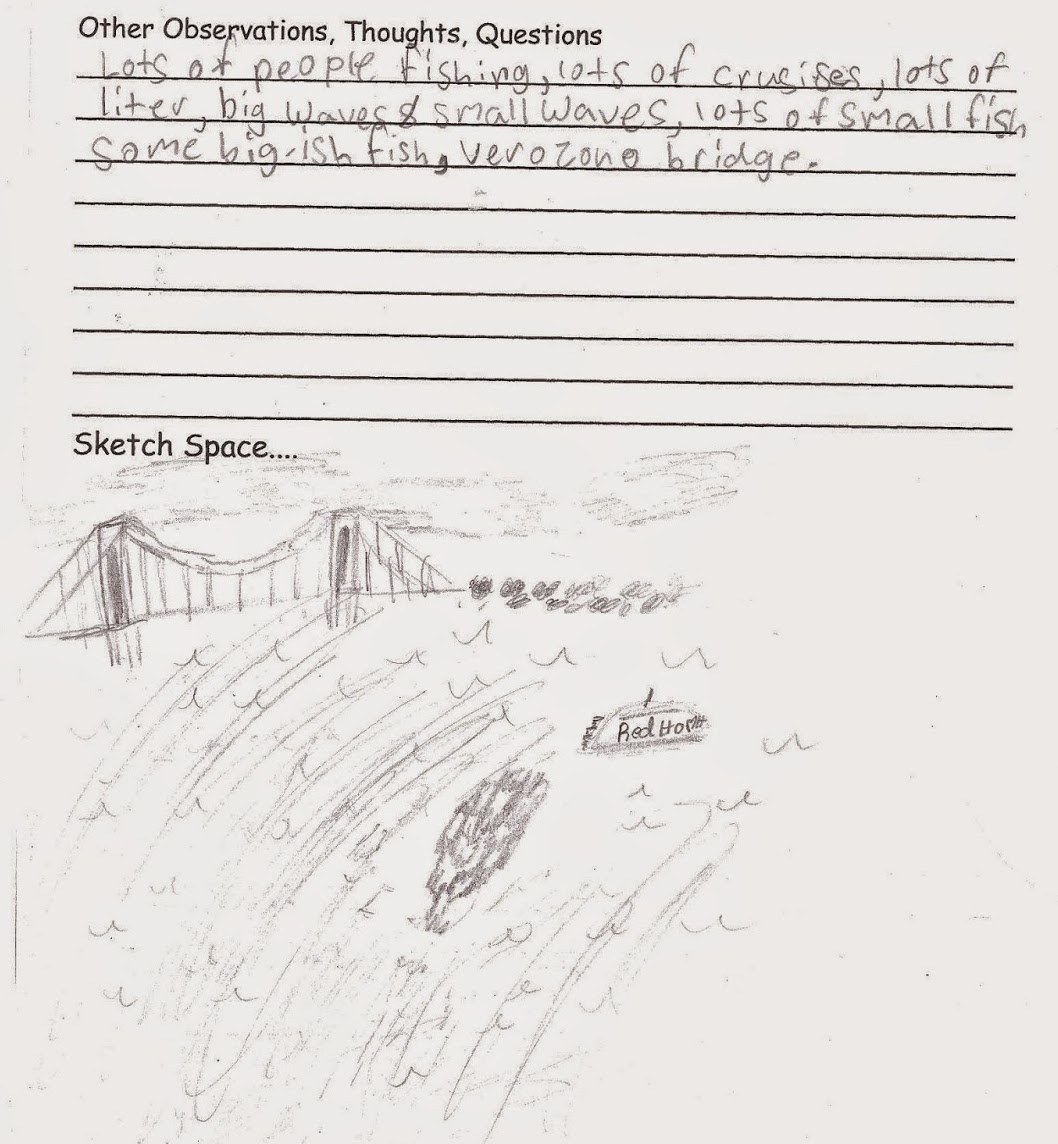
More sketches at the end of this document.

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| ***ITEM*** | ***Time*** | | ***Reading 1*** | ***Reading 2*** | | ***Comments*** |
| ***Physical*** |  | |  |  | |  |
| Air Temperature | 9:30 AM | | 10°C |  | |
|  | 10:30 AM | | 15°C |  | |
| Wind Speed | 9:30 AM | | Beaufort Force #5 | Used flag for Beaufort | |
| Cloud Cover | clear | |  |  | |  |
| Weather today | No rain | | | | | |
| Weather recently | Cool weather. Rain on 10/21. | | | | | |
| ***Water Temperature*** | 9:30 AM | 15°C  14  15 | | |  | Average 14.66°C |
|  | 10:00 AM | 15°C  15  15 | | |  | 15°C |
|  | 10:30 AM | 15°C  15  15 | | |  | 15°C |
| ***Water calm*** | yes |  | | |  |  |
| ***Turbidity – short sight tube*** | 9:30 – 10:30 AM | 40 JTU  40  40 | | |  | 40 cm |
| ***Chemical*** |  |  | | |  |  |
| DO  ampules | 9:30 to 10:30 AM | 8mg/L | | | 15°C | 78% |
| *pH –indicator solution with LaMott testabs* | 9:30 to 10:30 AM | 7 | | |  | 7 |
| Salinity – refractometer | 9:30 to 10:30 AM | 28 ppt  28ppt  25 ppt | | |  | 27 ppt |
| ***Fish Catch***  14 ft..seine net, mesh size ¼ inch | ***Number Caught*** | ***Species*** | | | ***Length of largest*** | ***Catch Totals*** |
| 9:05 AM | 4 | Atlantic Silversides | | | 5 inch | **Diversity 2**  **Total Catch 5** |
|  | 1 | Striped Bass | | | 3.5 inch |  |
| 9:20 AM | 54 | Atlantic Silversides | | | 3.5 inch | **Diversity 1**  **Total Catch 54** |
| **Session Totals** | **Diversity- 2** | **Total Catch - 59** | | |  |  |
| ***Tides*** | HT from charts 8:50 AM | | | | | |
| ***Currents*** | 9:00-10:30 AM | South\* | | | \*used white daisies off the south side of the pier | |
| ***Journal Entry from student*** | **I wonder why people make so many bridges. It just means more cars to across them. Just use boats. And why water abuse? Like pollution. Pollution is bullying to water! … I think bullying is the reason the water sent a fight over called the famous Sandy! We're so mean!”** | | | | | |

**Please see more of our journal entries and drawings below!**

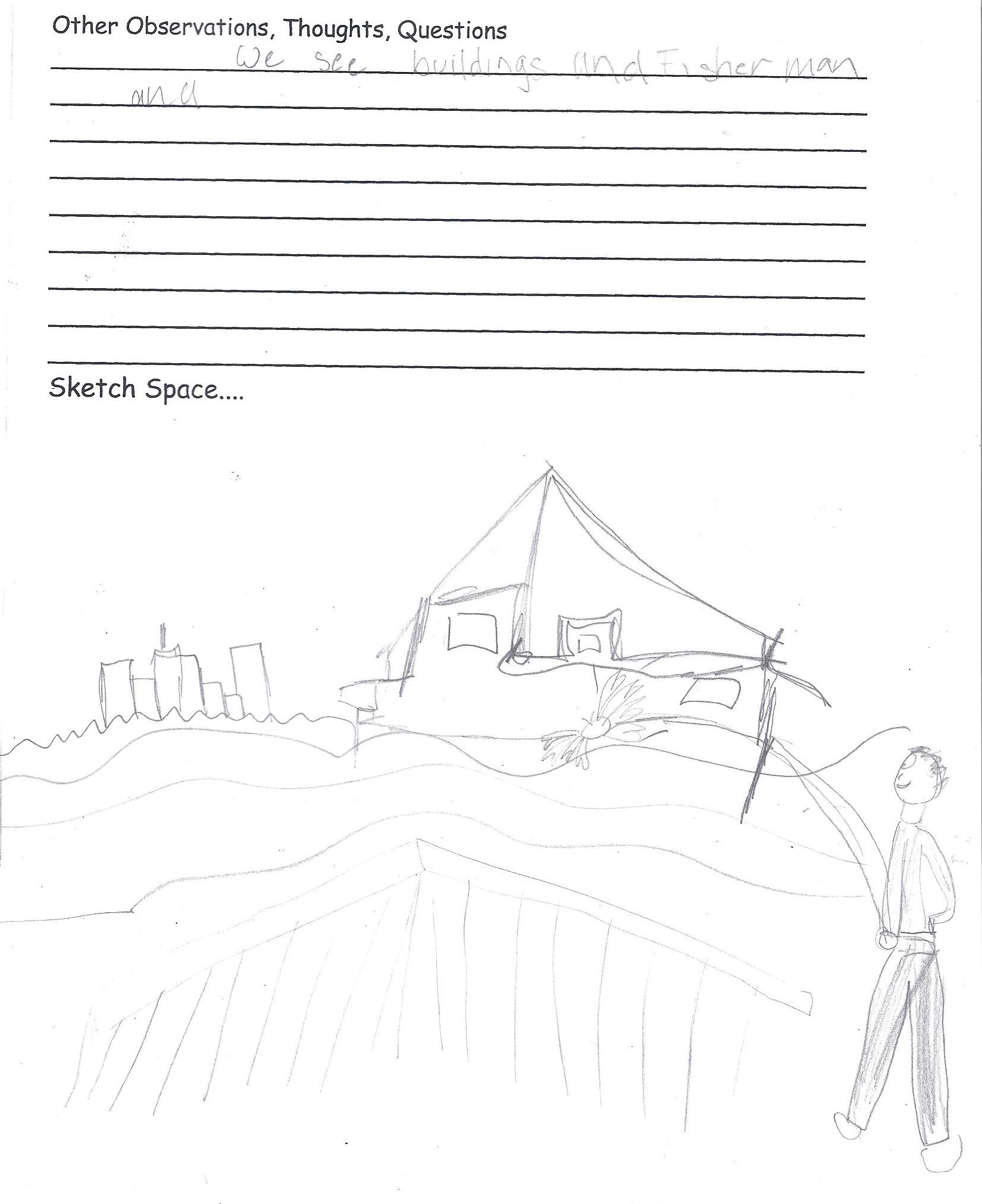
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**Lots of people fishing, lots of cruises, lots of liter, big waves & small waves, lost of small fish, some big-ish fish, Verrazano Bridge**

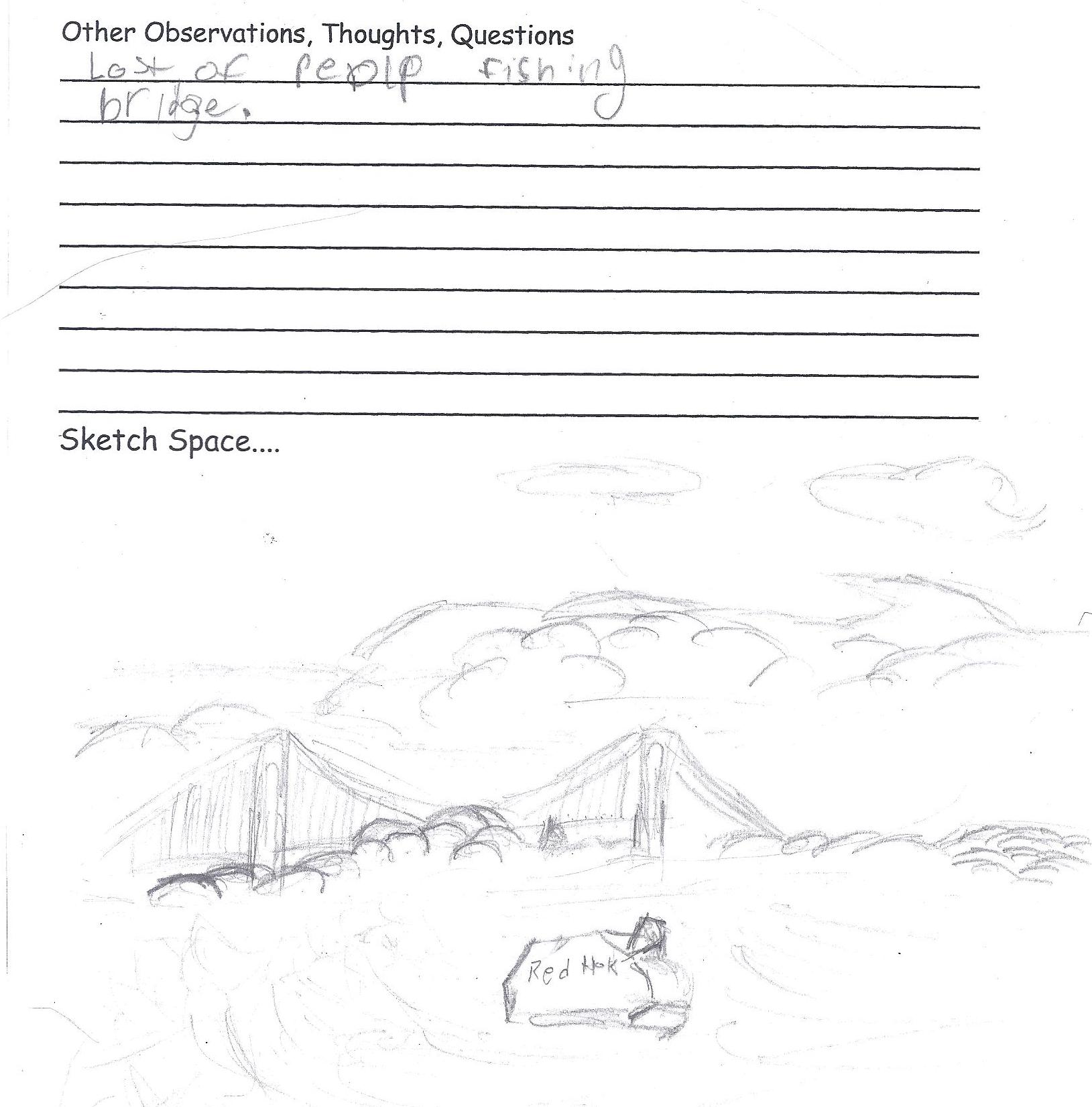




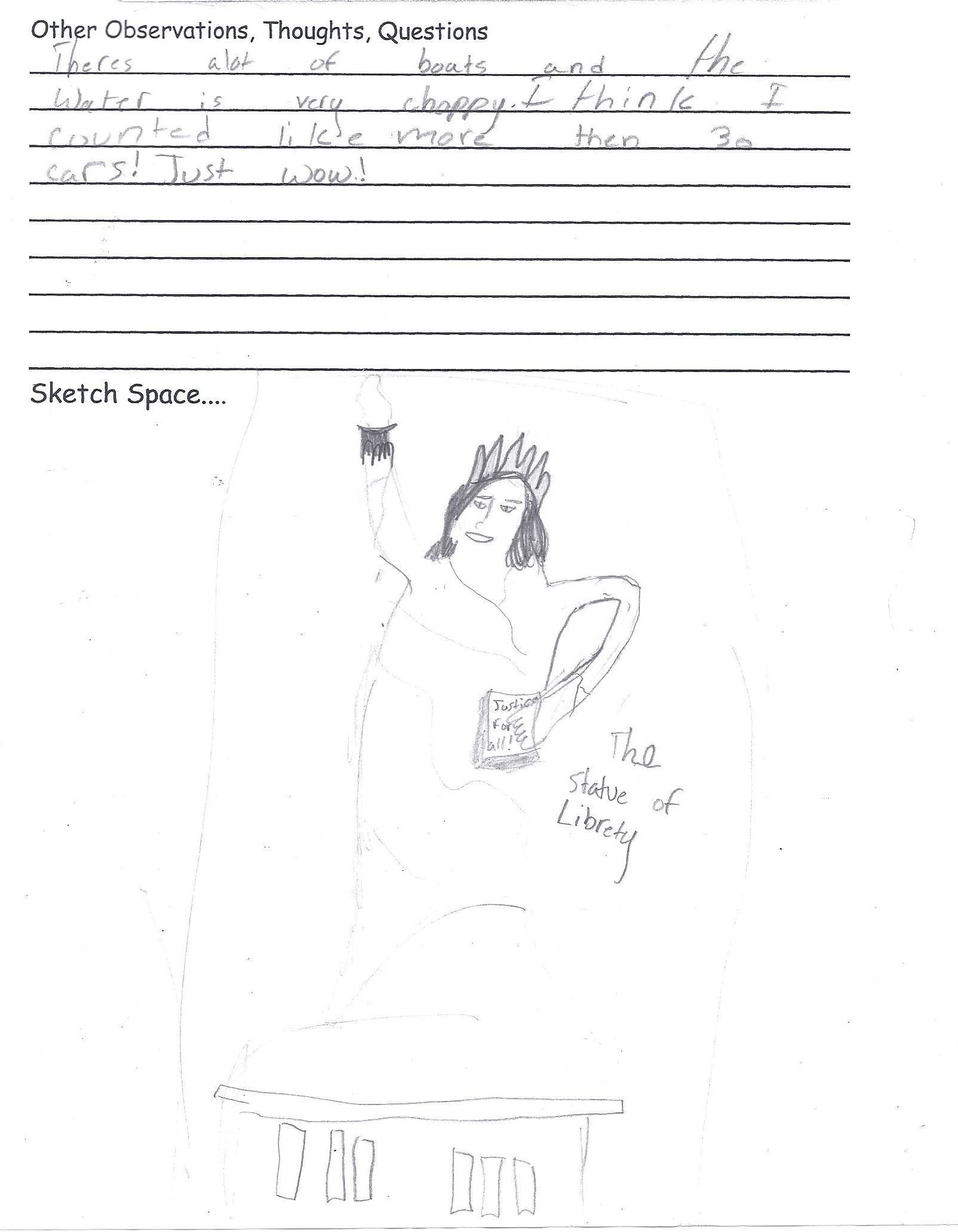
**We see buildings and fishermen.**

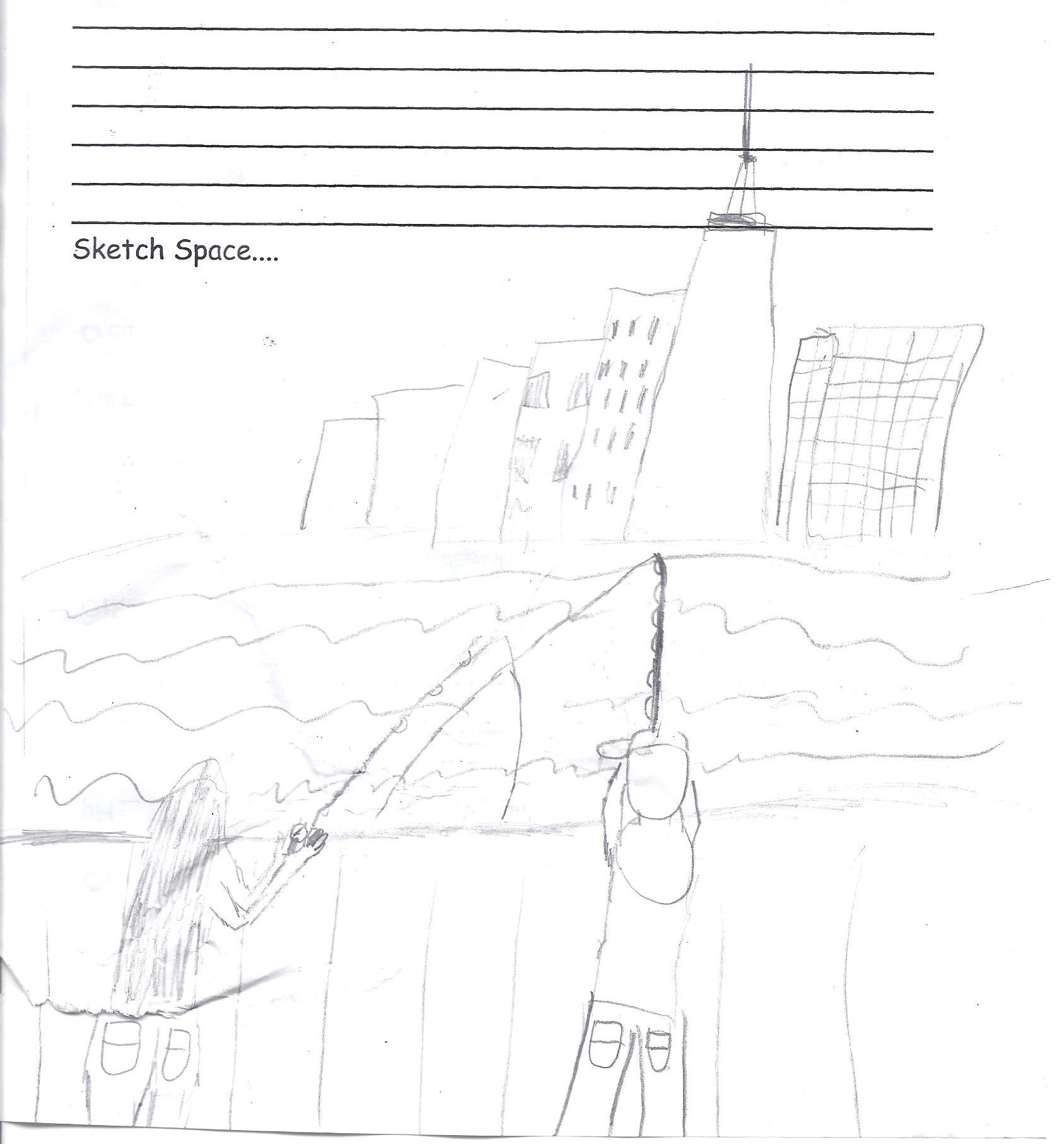


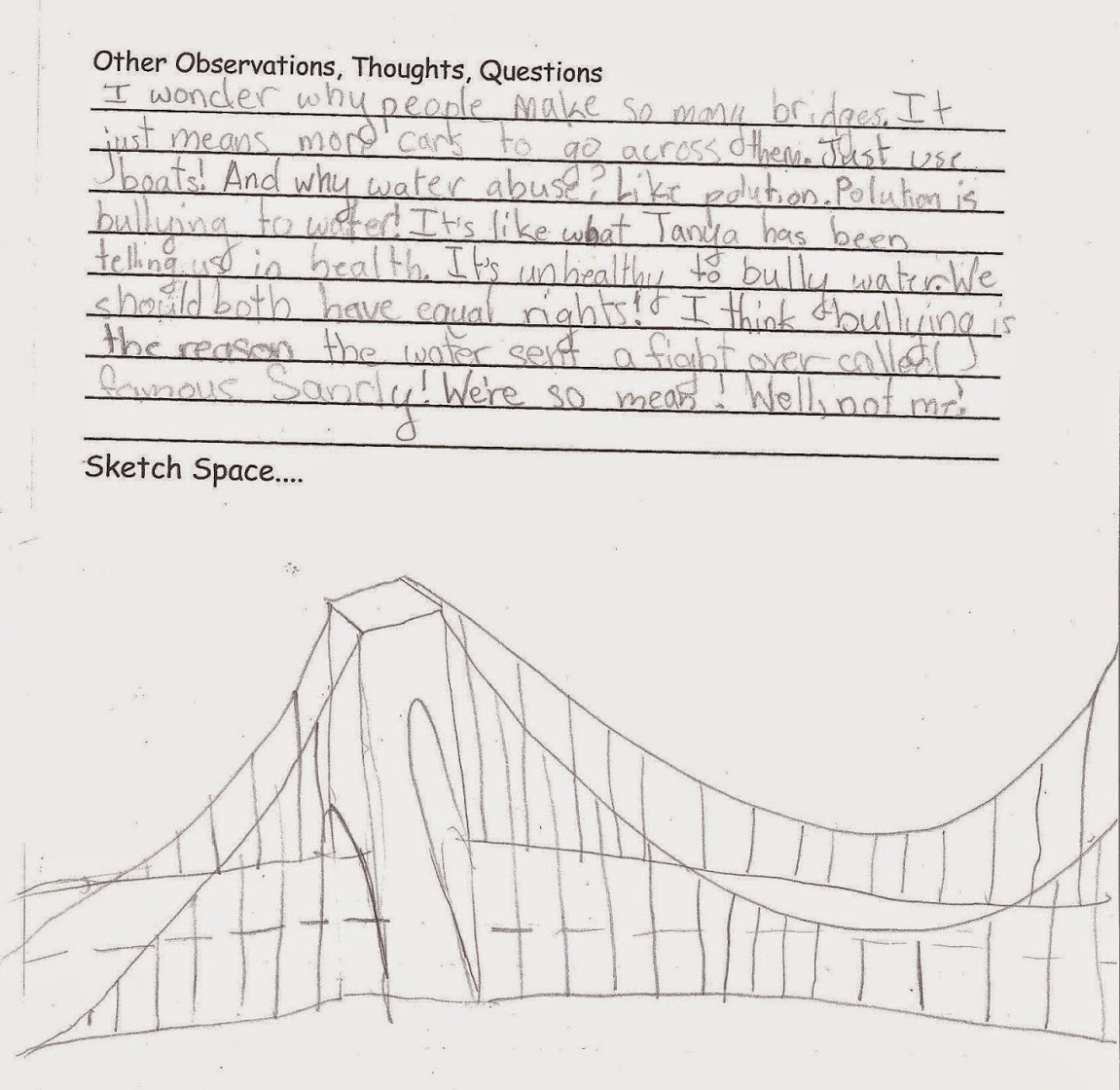
**Lots of people fishing, bridge**

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**There’s a lot of boats and the water is very choppy. I think I counted like more than 30 cars! Just wow!**

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