

UBC Social Ecological Economic Development Studies (SEEDS) Sustainability Program

Student Research Report

Rain Graffiti: School of Fish

Jacqueline Siu, Klara Wyse

University of British Columbia

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School of Fish

Jacqueline Siu, Klara Wyse

2017 SEEDS Sustainability Initiative Project

Rainworks hydrophobic paint

School of Fish, designed and installed by UBC students on a desire path off of Stores Road, is an installation created with a water-repelling and eco-friendly paint that only appears when wet. The initiative is a student-led collaboration between the SEEDS Sustainability Program and UBC Campus + Community Planning.

The school of fish travelling towards the ocean is designed to be a playful modification to a small piece of campus sidewalk. The work is intended to inspire interest in the details of the built environment, as well as to be a positive and uplifting addition to the university community during the rainy season.

Special thanks to Kristy McConnel, Hannah Brash, Shiloh Bouvette and Mustafa Akhtar.

LOCATION

- Path adjacent to main mall leading up to The Barn
- Nearby points of interest:
 - CIRS
 - Starbucks
 - Earth & Ocean Sciences Building
 - Engineering
- Foot traffic:
 - low - medium



LOCATION & SPECS

- Path is 25 m x 2.5 m



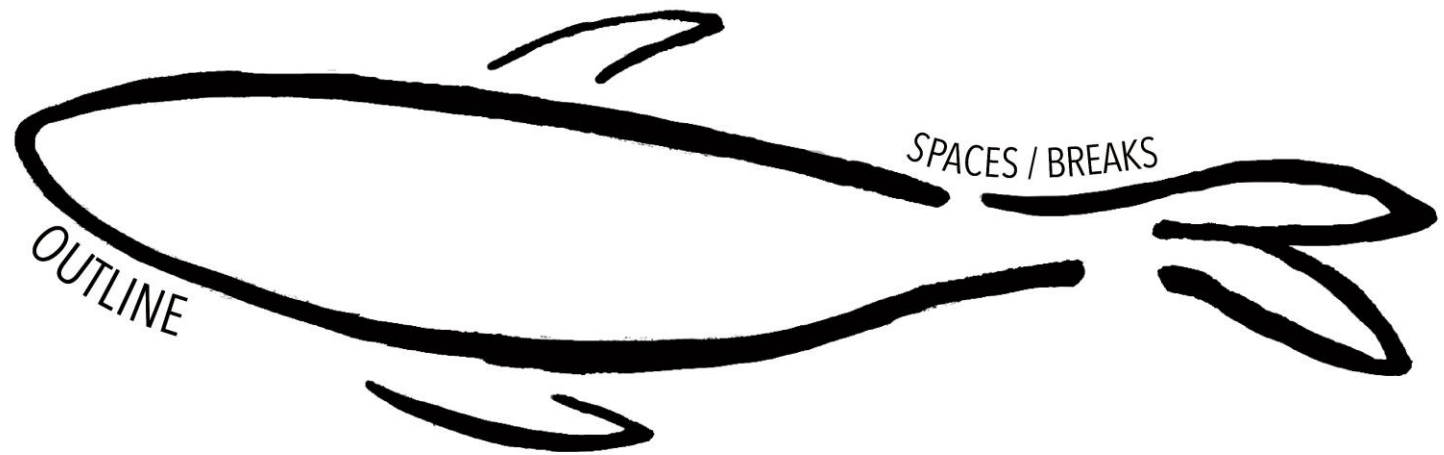
FINAL DESIGN

OUTLINE

- Allows us to stretch the limited paint quota
- Simple lines that are still recognizable

SPACES / BREAKS

- Saves (minimal) amount of paint per design
- Technical benefit in keeping the stencil in one piece





MEASUREMENTS



LAYOUT MOCK-UP

DESIGN SPECS

SAMPLE CALCULATION FOR LARGEST FISH

- LINE WIDTH = 0.5 CM
 - LINE TOTAL LENGTH = 15 CM
 - AREA COVERED =
-
- $10 \text{ M}^2 = 10 \text{ FISH @ } 100 \text{ CM}^2 \text{ EACH}$

FABRICATION

- Hand-drawn design
 - Scaled up or down
- Hand-cut stencils x 5
 - 5 different sizes / variations

TIMELINE

- Month of March
 - 27: Klara & Jacqueline test out the material and design
 - 28: Meeting
 - Finalization of plans

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27 TESTING	28 MEETING	29	30	31	

TIMELINE

- Month of April
 - 10th – 18th Installation
 - Weather-dependent (must be a dry day)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

IN PROGRESS





INPROGRESS