

Welcome to Senior Capstone Presentation Night

12.16.2025

WHAT IF THERE WAS A WAY TO CLEAR
OUT POLLUTANTS FROM YOUR LOCAL
WATERWAYS?





RAIN GARDEN

Sherlyn Bedolla-Gonzalez

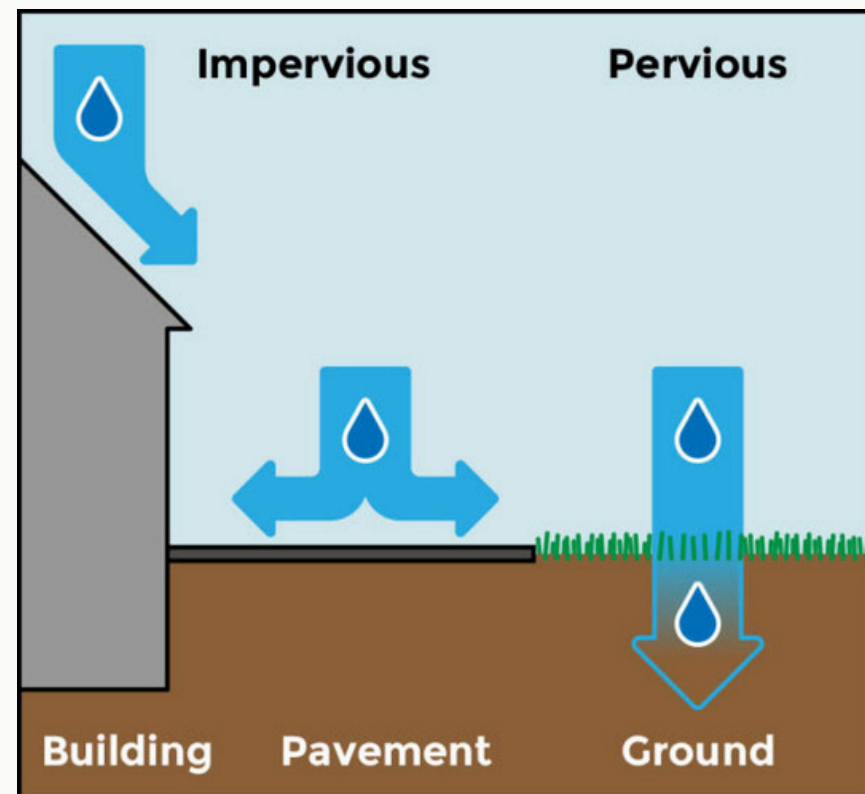
Kaylie Rocha

Hannah TenElshof

Kayla Rocha

THE PROBLEM

- Impervious surfaces
- Water absorption





OVERFLOODED STORM DRAINS

- Pollutes about 70% of our local waterways
- Destroys aquatic habitats



TRANSPORTING POLLUTANTS



- Roughly 70% of lakes, ponds and reservoirs in the United States are impaired by pollution





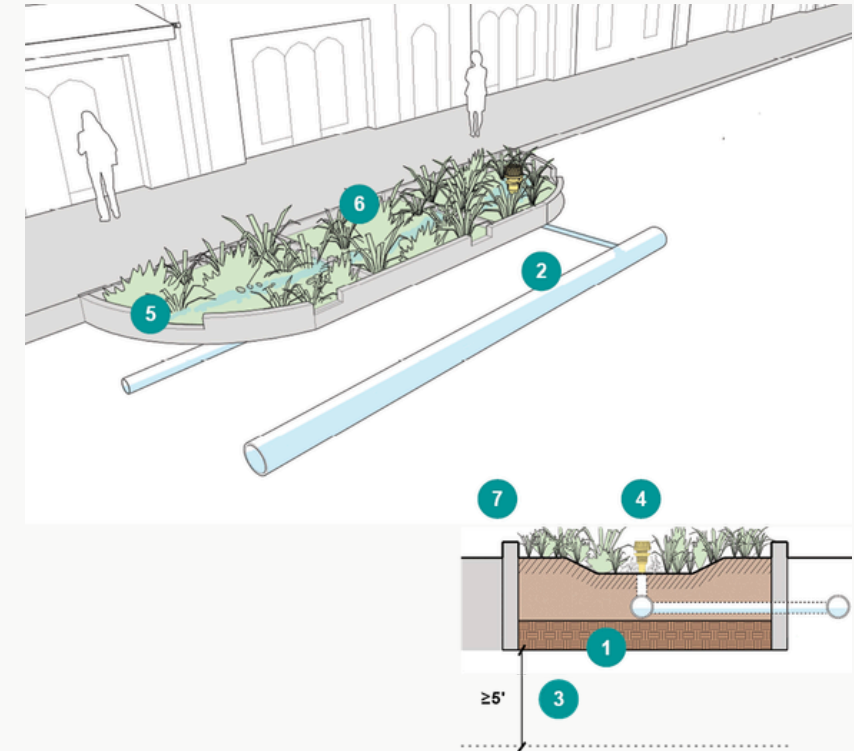
DESTROYS HABITATS

- 40% of animal species and 34% of plant species at risk



CURRENT SOLUTIONS

- Bioswales
- Permeable Pavement
- Green Roofs






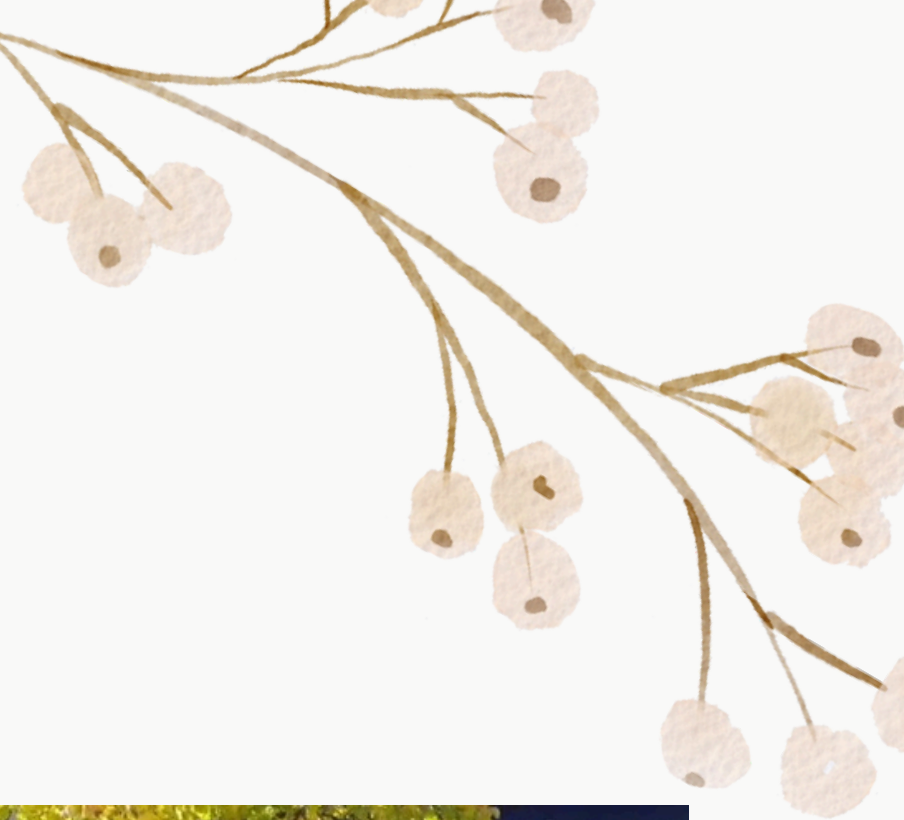
INTERVIEW



Jacob Bol

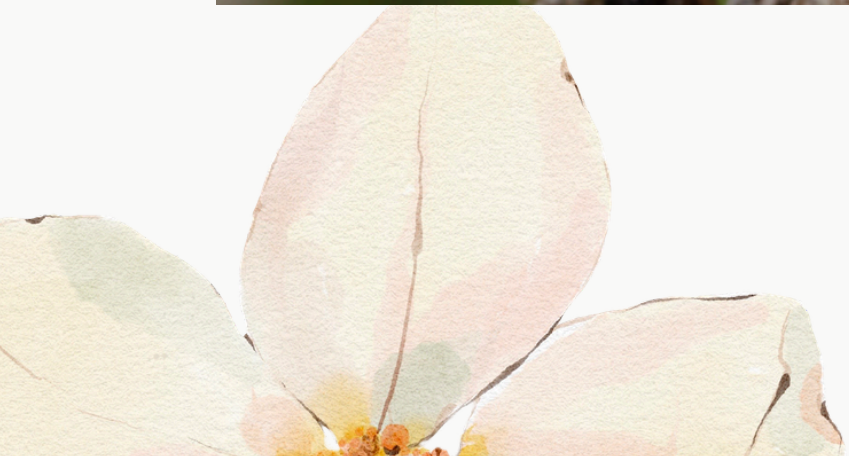
Plaster Creek Stewards

- Main benefits - Water goes into the soil, filters out pollutants, picks up trash.
 - Native plants have deep roots and are adapted to the conditions of the soil.
- 



OUR ACTION







RESULTS

What We Started With



During Renovation



The End





TAKEAWAY

Removes up to
90% of chemicals
and 80% of
sediments



TAKEAWAY

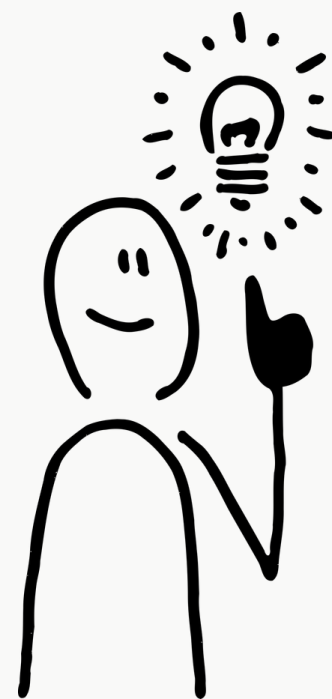
Easy to maintain
Cost effective

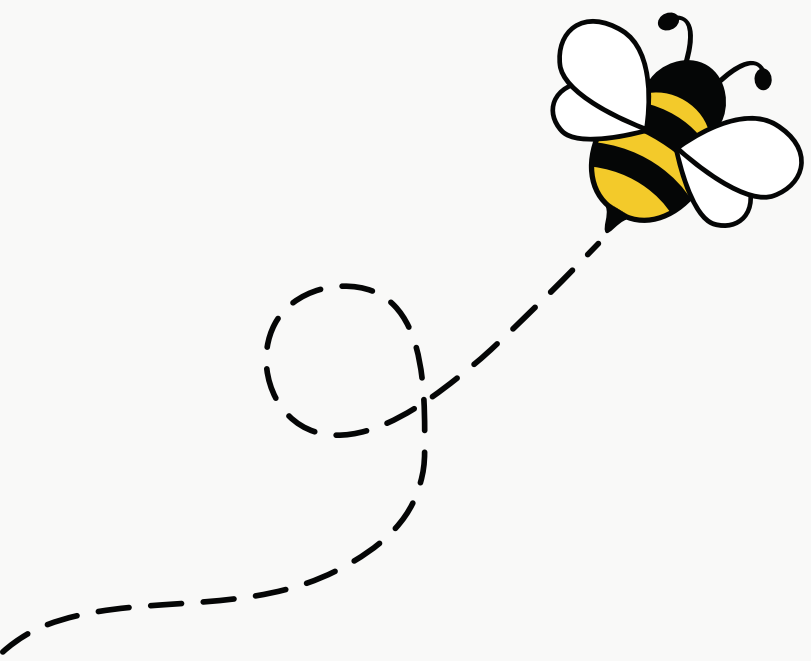


TAKEAWAY

Impact on
environmental
aspects

IMPORTANT TAKEAWAY





CONCLUSION



- Improves water quality
- Clears pollution
- Restores habitats



LET'S ACT TODAY

“The greatest threat to our planet is the belief that someone else will save it.”
- Robert Swan





THANK YOU!

“Every seed you sow, filters the flow, and makes a garden grow.”

Rain Garden Group