

# Public Health & Water Quality At Limitless Park

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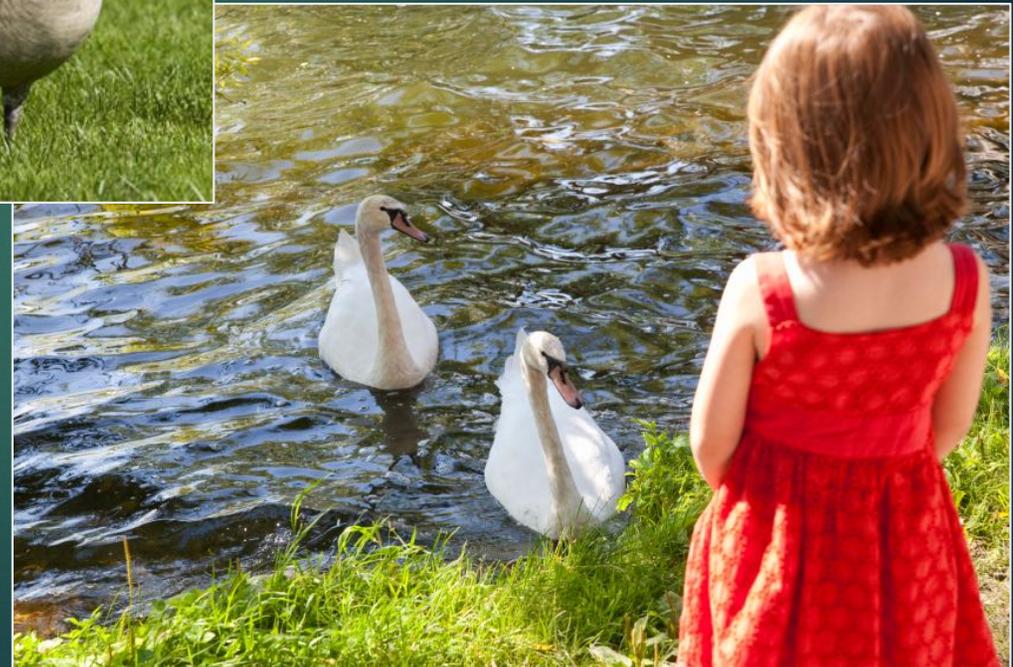
# Meet Vivian



# Concerns



- Overpopulation and feeding of waterfowl
- Abundance of goose poop



- Unsafe & ineffective seawall
- Shoreline erosion into lake

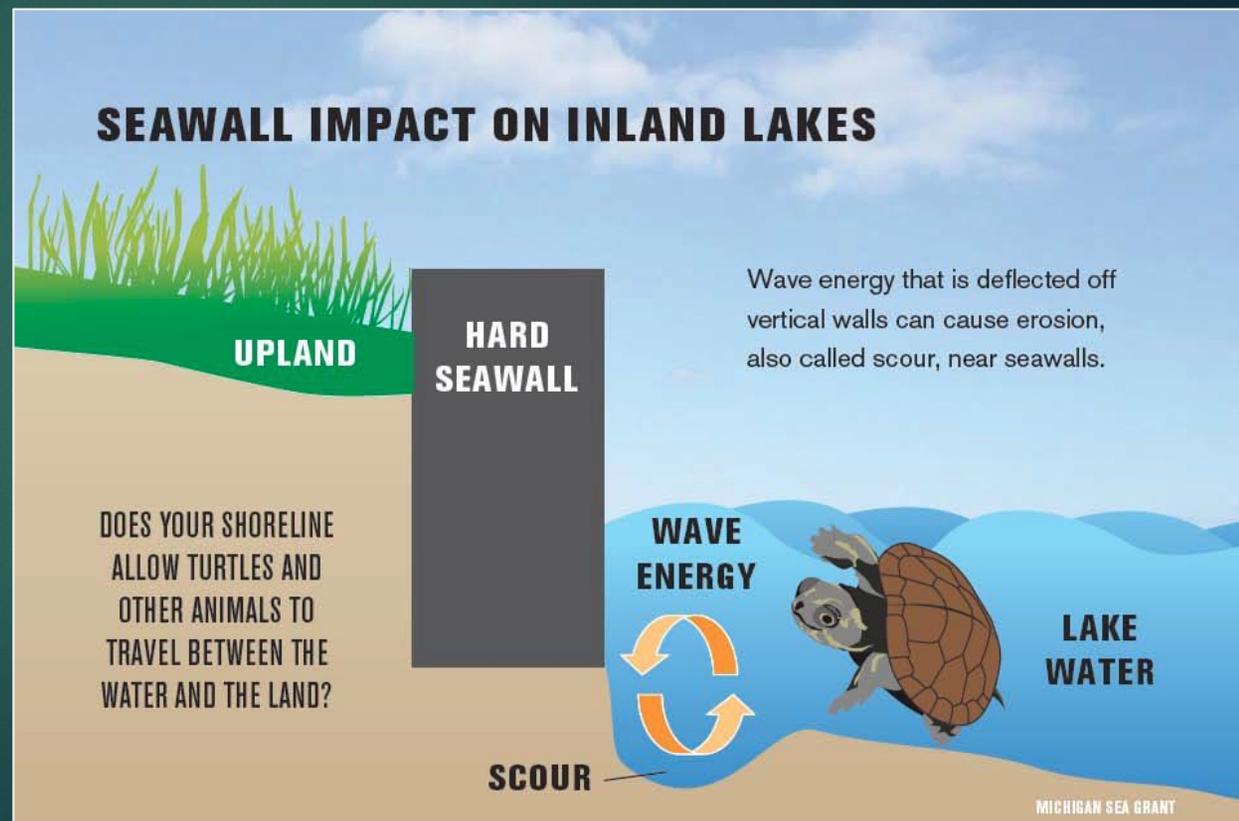
# Solutions

1. Glacial stone seawall
2. Native plant buffer
3. Do Not Feed the Waterfowl



# 1. Install 500' Glacial Stone Seawall

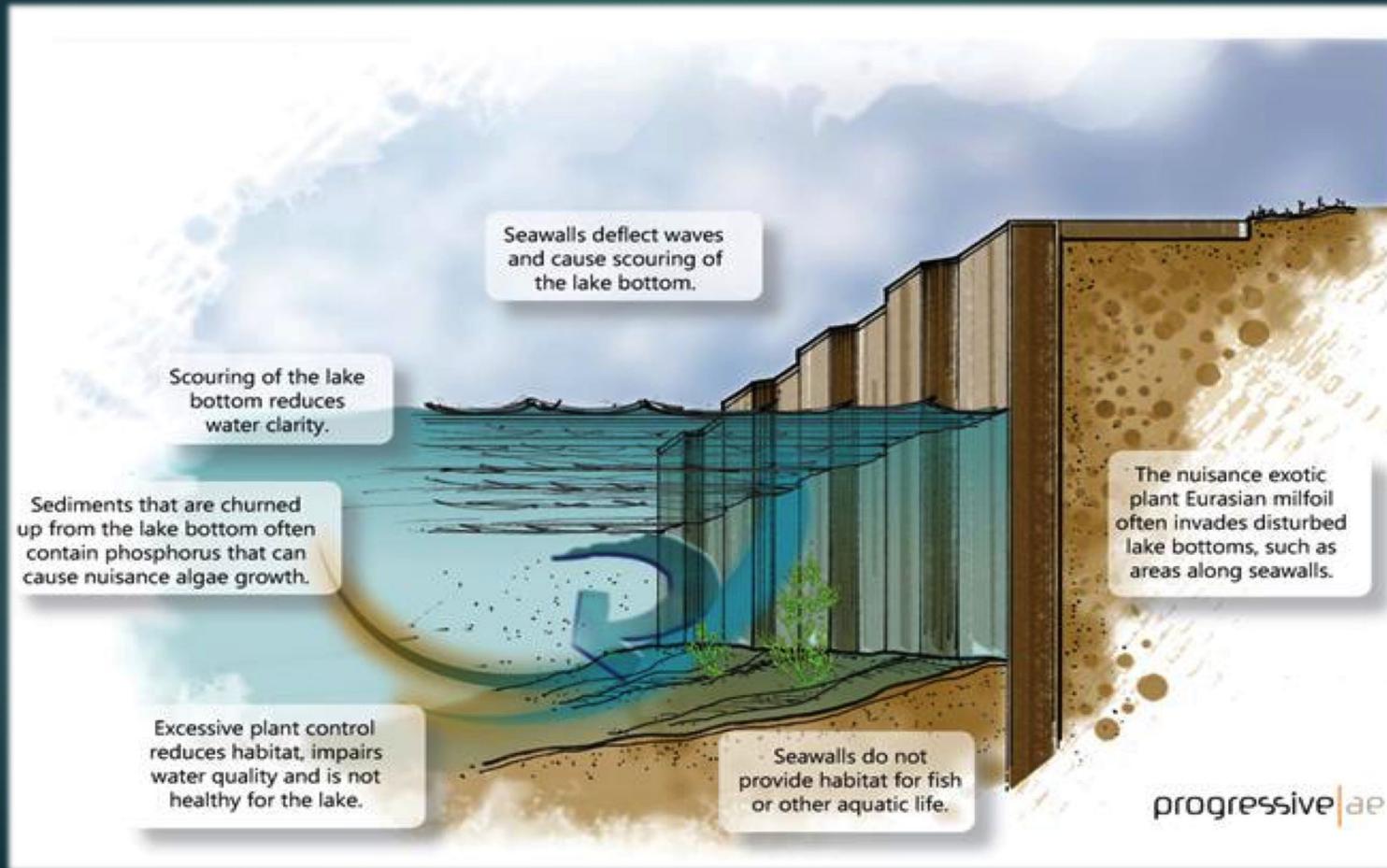
- The stones act as structural protection
- Dissipates wave energy and helps prevent erosion
- Less erosion results in clearer lake water
- Glacial stones deter muskrats from damaging your shoreline and lawn



# Healthier for Everyone

Seawalls cause more erosion

More erosion = more sediment in our lakes



## 2. Install 500' Native Plant Buffer

- Deep roots hold soil
- Discourage geese
- Pollinators
- Beautiful solution



## 3. Do Not Feed Waterfowl

- Bad for wildlife
- Bad for environment
- Human health hazard
- Youth program with parks – t-shirts & activities
- Adult pledge campaign

### Thank You For Not Feeding Us Bread

Bread makes us ill, as it does not contain the right nutrition or calories that we need to keep us warm in winter.

Rotting bread pollutes our water and causes nasty surface algae, which kills our fish and gives us diseases. It also makes our water smell

**WE DO LIKE:**

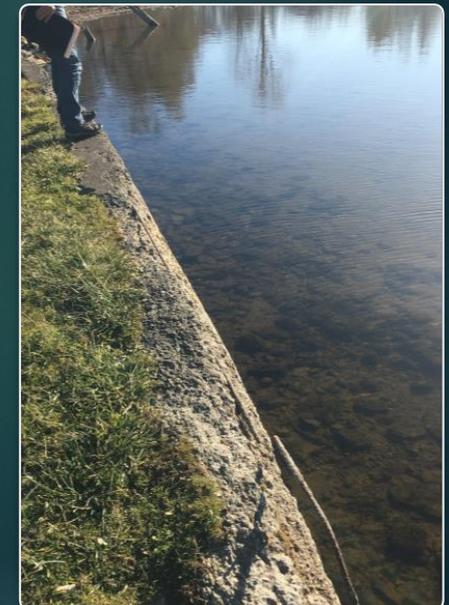
Cut seedless grapes, cooked rice, birdseed, peas, corn, oats and chopped lettuce



[www.Indiana.ClearChoicesCleanWater.org](http://www.Indiana.ClearChoicesCleanWater.org)

# Phase 1 - Now

- Meetings to build community support
  - Town of Winona Lake & Parks Department
  - Indiana DNR
  - Environmental engineers
  - Grant funders
- IDNR LARE could cover largest share of construction cost
- Received K21 Health Foundation grant for permitting & engineering design
- Environmental contractor interviews & selection tomorrow!



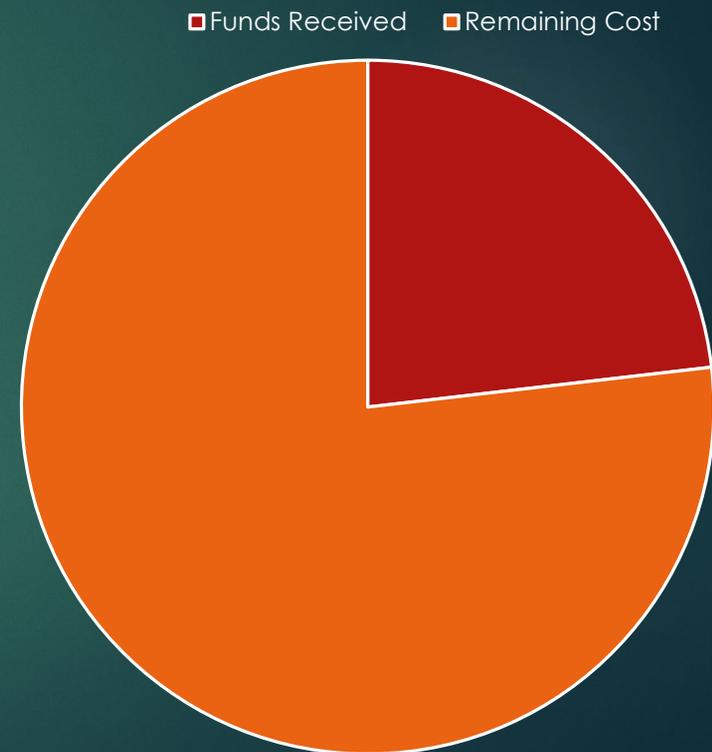
Funding Sources	Amount	Status
K21 Health Foundation	\$25,000	Received or Committed
Town of Winona Lake	\$13,500	Received or Committed
KCCRVC	\$10,000	Received or Committed
Arrowhead RC&D	\$4,400	Received or Committed
Lakes & Streams Research	\$1,460	Received or Committed
TWF and Other Local Sources	\$4,282	Received or Committed
IDNR Lake & River Enhancement	\$80,960	Applied
Kosciusko Co Community Foundation	\$8,264	Applied
KREMC EnviroWatts	\$3,000	Applied
NIPSCO	\$5,000	Applied

# Budget Status

Total needed: \$160,866

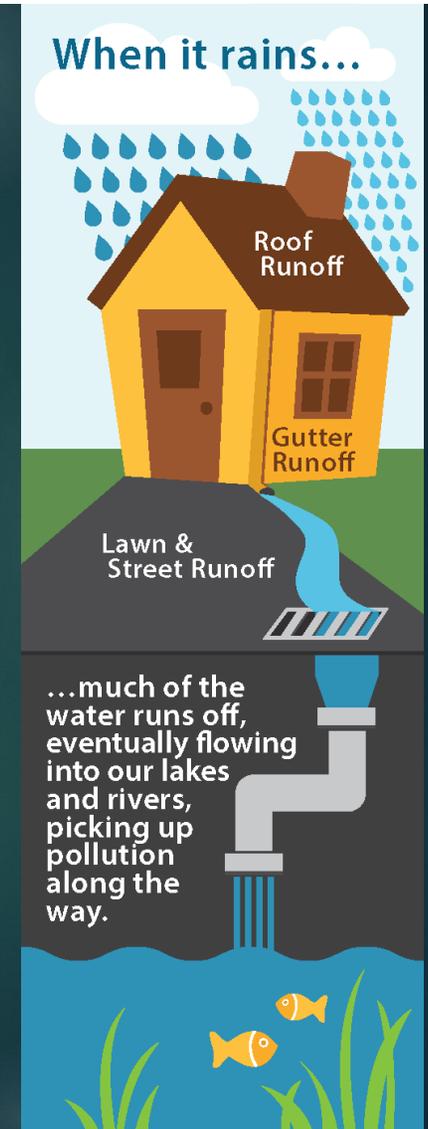
Total Received: \$58,642

Funds will be used for all phases from community awareness to construction expenses



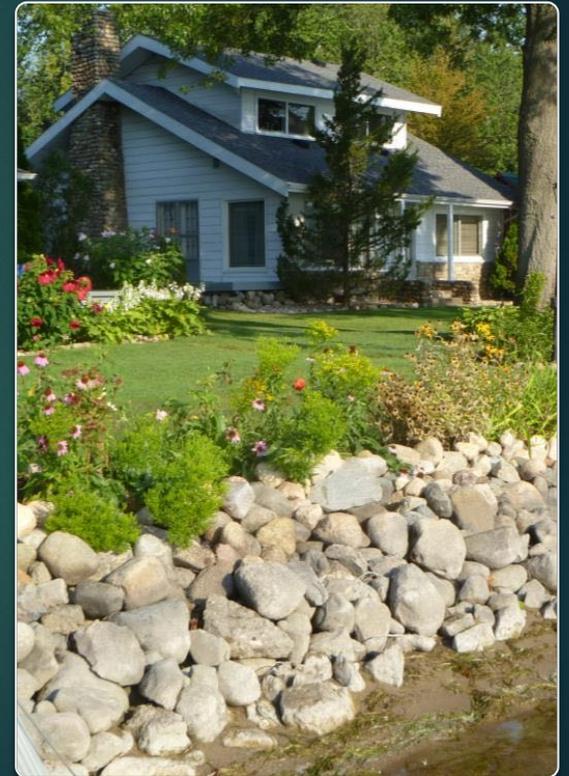
# Phase 2 – Summer & Fall 2018

- Summer of 2018 - Implement educational programs: signage, social media, electronic and printed materials, and newspaper article
- Summer 2018 – Youth activities & Do Not Feed Waterfowl education program
- Summer of 2018 - Pre-construction goose & aquatic plant research
- Fall of 2018 - Construction of project including installation of rocks and native plants on shoreline (engage volunteers, train staff)



# Phase 3 – Spring 2019

- If not completed in fall of 2018, plant native plant buffer along shoreline
- Ensure maintenance is being done
- Post-construction goose and aquatic plant research



# Thank You to Our Community Partners



**KCCRVC**

**K21**  
HEALTH  
FOUNDATION

