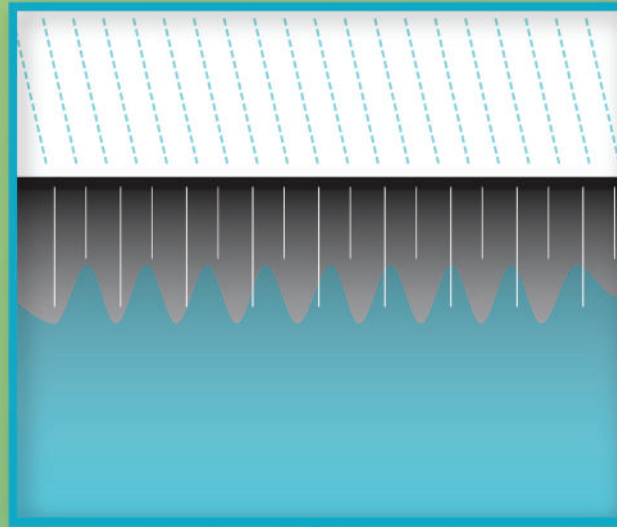


PARJANA[®]
& PARJANA Distribution





ELIMINATE SEWER FEES



RECHARGE GROUNDWATER



WHAT WE DO

Parjana, Inc. and Parjana Distribution are working together to help solve the world's water challenges. Together, we are delivering solutions for water management. Our approach is unique as it involves detecting the problem, analyzing environment variables and designing a solution that adapts to your needs and specifications through the means of working with nature on a molecular level



MANAGE WATER



DISEASE PREVENTION



AIRCRAFT SAFETY

Solution: EGRP® Technology



Surface Benefits

- ↓ Infiltrates water
- ↘ Reduces runoff water
- ↔ Stabilizes ground
- 🏠 Waterproofs foundations

Underground Benefits

- Reduces hydrostatic pressure ↔
- Improves moisture content ↑
- Recharges groundwater ↻
- Rebalances waterflow ↺

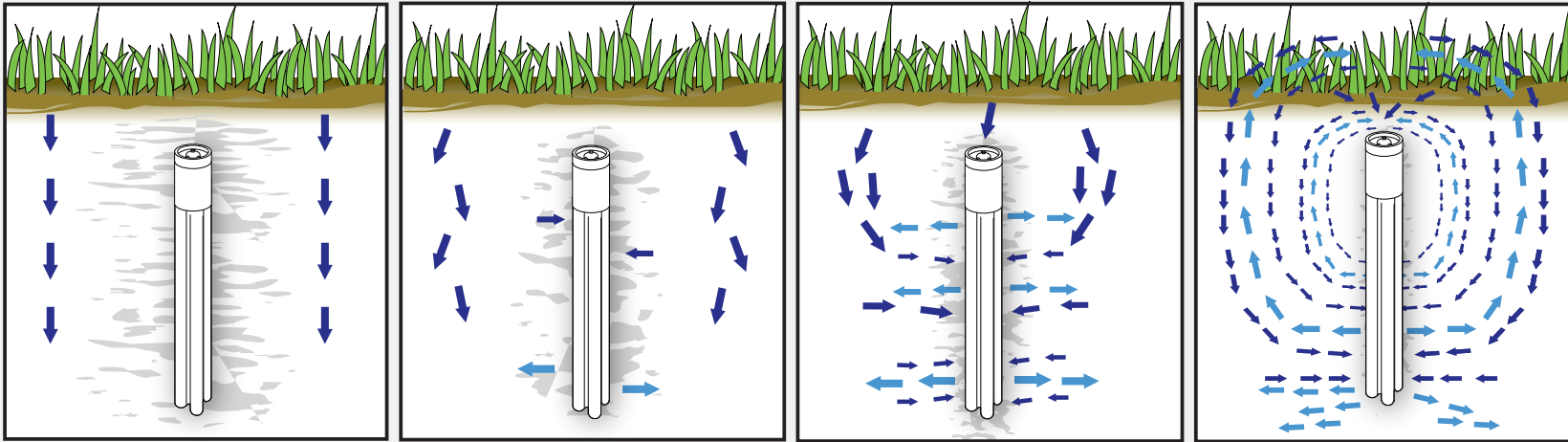
SUSTAINABLE

MAINTENANCE FREE

MINIMALLY INVASIVE

WARRANTY INCLUDED

Acclimation Period



Once installed the EGRP[®] system adjusts to establish a connection within the vadose zone to enhance water movement. This period is called the *acclimation period* and typically takes a minimum of 12 weeks, but varies due to soil and rainfall conditions.

Applications



Sloped Areas

Mountains
Hillsides
Swales
Side of Highways



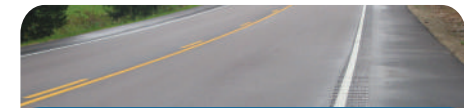
Pervious Surfaces

Sport Fields
Airfields
Parks & Gardens
Retention/Detention Ponds



Underground Areas

Foundations
Cable boxes
Manholes
Pipelines



Impervious Surfaces

Roads & Highways
Parking Lots
Commercial Areas
Airport Runways



METTETAL AIRPORT

BEFORE EGRP INSTALL

AFTER EGRP INSTALL



SOUTHWEST VIEW OF FOREBAY



NE VIEW OF FOREBAY



SW VIEW OF FOREBAY



NE VIEW OF FOREBAY



VIEW OF FOREBAY AND RETENTION POND



EGRP INSTALL



TEST GOALS:

- To study the effect the EGRPs have on sub-grade soil conditions.

PROCEDURE:

- Phase I: track the changes in the ground water level elevation at different locations of the site before and after the installation of Parjana's EGRP system.
- Phase II: install a time lapse camera facing the forebay for monitoring the water level of the forebay before and after installation.
- Phase III: install soil moisture sensors at different depths to determine how the soil moisture is effected by the EGRP system before and after installation.

SOLUTION:

- To eliminate standing water from the forebay more rapidly.
- To create an environment where birds are not attracted towards standing water which reduces possibilities of potential bird strikes with airplanes.

RESULTS TO DATE:

- Phase I, Phase II, and Phase III are in progress.

EGRP System Installed: Fall 2013

Test Started: Fall 2013

Test Anticipated Completion Date: Winter 2015

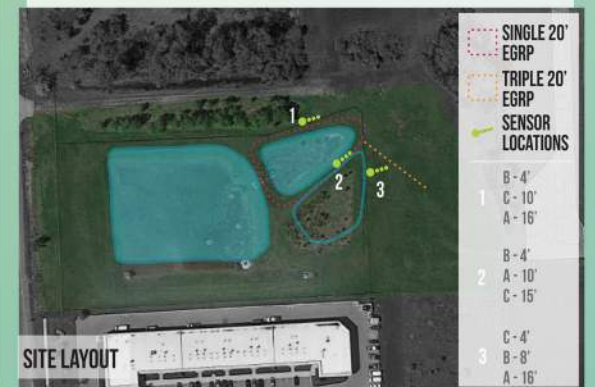
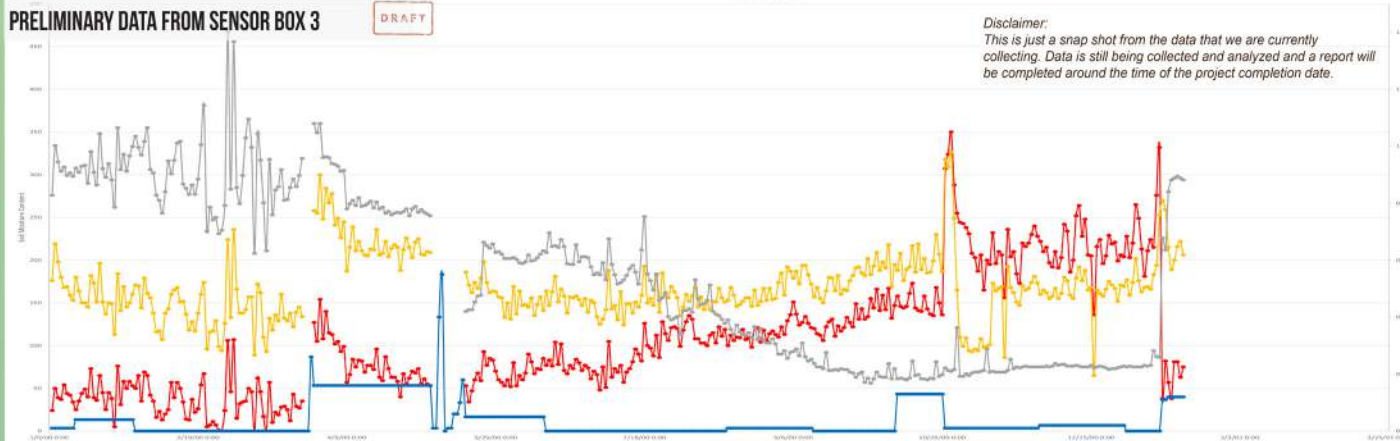
PRELIMINARY DATA FROM SENSOR BOX 3

DRAFT

Sensor Box 3

Disclaimer:

This is just a snap shot from the data that we are currently collecting. Data is still being collected and analyzed and a report will be completed around the time of the project completion date.





WISCONSIN FISH FARM



SOUTHEAST VIEW OF SETTLING BASIN 1



SOUTH VIEW OF SETTLING BASIN 2



NORTH VIEW OF POLISHING POND



GOALS:

- To determine the amount of water discharged from the fish farm before and after the installation of EGRPs.
- To evaluate the changes in soil moisture over time.
- To determine the reduction of contaminants in the polishing pond after the installation of EGRPs.

PROCEDURE:

- Phase I: consisted of installation of EGRP system in test area.
- Phase II: collection of data over time for soil moisture, water quality and flow rates throughout the system.

SOLUTION:

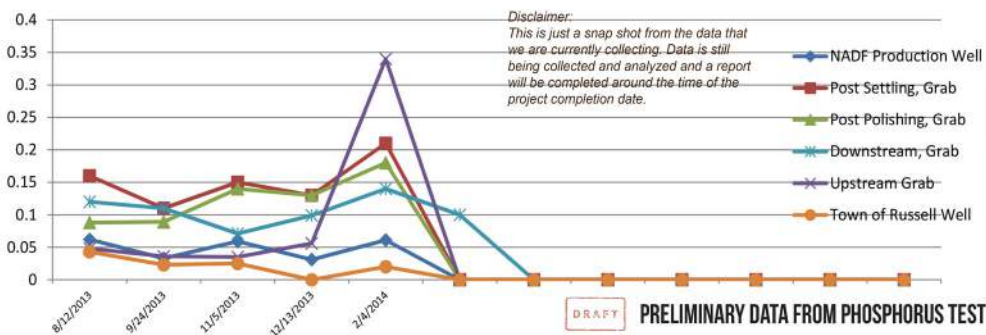
- Successful deployment of EGRP technology will allow new and existing land based fish farms to meet Global Aquaculture Alliance certification.
- Reduces surface contamination and runoff to the Great Lakes

EGRP System Installed: Summer 2013

Test Started: Summer 2013

Test Anticipated Completion Date: Fall 2017

Phosphorus, tot. as P Vs. Sampling location over time



WEIR IN SETTLING BASIN 2





INFILTRATION TEST - BELLE ISLE, MI



63% Reduction in Volume over 12 weeks since final installation

Pre data collected 5/4/14-6/30/14

Post data collect 7/20/14-9/15/14

Final Installation Completed 6/26/14



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