

**VINELAND QUARRY**

## Our Challenge – Water

We use water to wash aggregate, equipment and for dust control. Water is a vital part of our operation. Being prepared and having a plan in place makes it a lot easier to manage.

### Efficiently operate

- We have improved our wash plant to reduce water volumes taken and managed in settling ponds

### Acknowledge our part

- Employees understand how water flows on site and know our Permit to Take Water limits
- We have two employees designated as our "Environmental Champions"

### Reduce our impacts

- We:
- have an extensive groundwater and surface water monitoring program
  - measure water for both quality and quantity

### Take time to plan

- We:
- keep ditches clear to handle spring melts and stormwater flows
  - dredge our slurry ponds annually to prepare for the upcoming year
  - use proper planning and technology along with training and education to continuously improve our water management strategies
  - have spill kits at key locations around the site for emergency response

### Higher Environmental Performance

- We monitor water quantity daily and conduct monthly inspections of ditches, ponds, pumps and discharge points

### 1st Innovation and leadership

- We have partnered with Niagara Peninsula Conservation Authority in a data sharing program to assist the NPCA in modeling the impact of Climate Change on the Twenty Mile Creek Watershed



New sump hole



Evan Bartfai



Settling pond



Vineland Quarry employees



Settling pond



Settling pond



Settling pond



Discharge point

### QUESTIONS / DISCUSSIONS

1. How do you manage the water on your site?
2. How have you reduced water usage on your site?
3. If there were no obstacles in your way, what measures could you take to reduce water usage?
4. Who are your site's "Environmental Champions"?



Water truck



Settling pond

