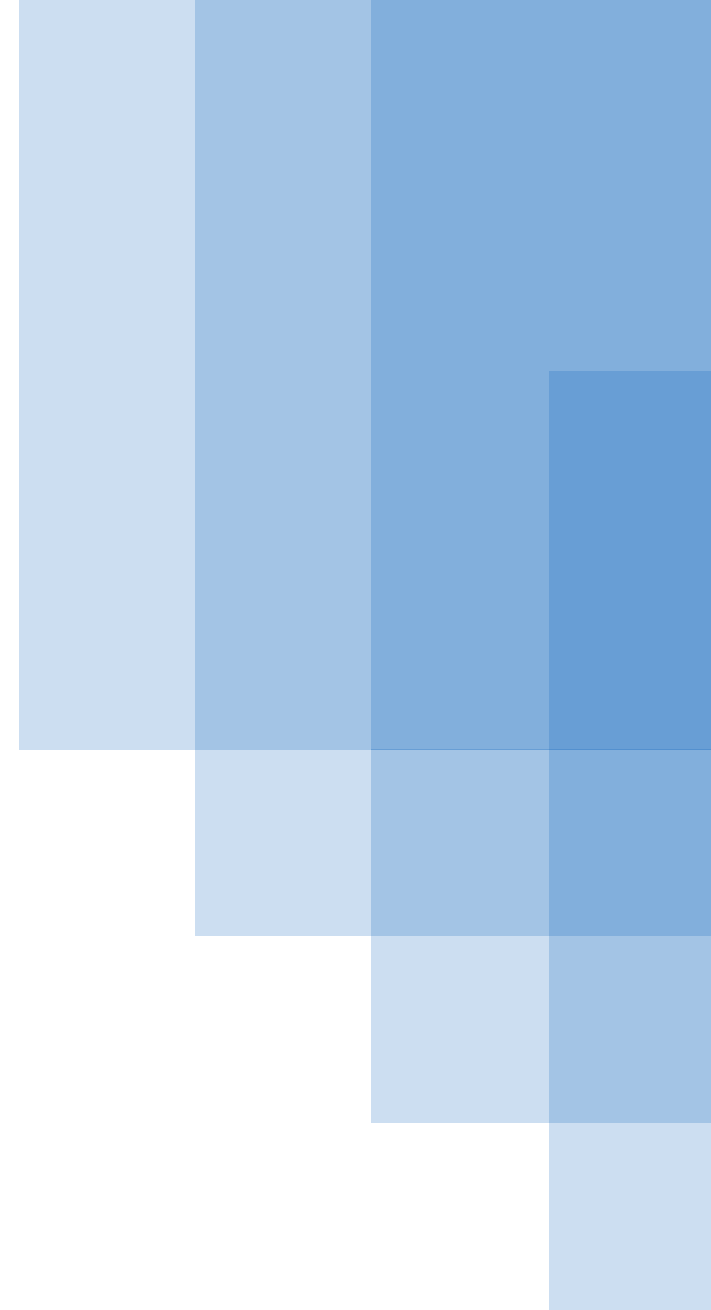




# Dufferin Aggregates Paris Pit CAP Meeting

June 5, 2019



# Agenda

- Welcome and Introductions
- Review & Approval of Minutes from Nov 5, 2018 meeting
- Review of Questions Tracker
  - No outstanding questions from Nov 5, 2018 meeting
- Operations Update
- Review of 2018 Monitoring Report
- Next Meeting

# Our Role as Facilitators

- To create an effective environment in which you can work together:
  - To help ensure everyone has a chance to be heard
  - To help ensure everyone is treated respectfully
  - To help ensure we are productive
- To take notes for the session and prepare minutes based on the discussions

# Proposed Rules for the Meeting

To help ensure everyone has a chance to be heard:

- Only one person speaks at a time. Don't interrupt or have side conversations.
- Make your point, but be brief to ensure everyone has a chance.

To help ensure everyone is treated respectfully:

- Respect others' points of view. If you disagree, criticize the idea, not the person.
- No derogatory or sarcastic comments at the expense of others.

To help ensure we are productive:

- Help us keep to the agenda. Stay on topic.
- Be open to sharing and learning. If you don't know, ask. Questions are good.

# Operations Update

# Operations Update

- Operations from Oct 2018 to June 2019 have included:
  - Shipping to customers
  - Processing dry and washed products
  - Rehabilitation of side slopes (Southwest Boundary) and tree planting
  - Plant Maintenance
- Operations plan for remaining of 2019:
  - Shipping to customers
  - Processing dry and washed products until December
  - Rehabilitation – side slopes (West Boundary)
  - Maintenance activities once production season ends
- No Interested Parties communications to date in 2019

## Operations Update

- Stripping northern section to prepare area for extraction
- Progressive rehabilitation of southwest boundary
- Completing mining on the west boundary
- Developing settling pond cells



# Operations Update: Community Donations

- Monetary support donations:
  - Brant Waterways Foundation
  - Paris Fall Fair And Paris Agricultural Society
  - Paris Soccer clubs: FC 2003 Girls & FC U12 Girls
  - Six Nations of the Grand River – Community Day



## Operations Update: Planting Programs

- Events held on May 13 with Paris FC Girls Soccer Teams and on May 15 with a local school.
- Planted native tree screen along the perimeter of the site, supporting requirements of the Site Plan: ~30 participants planted 600 trees and shrubs
- Planted Oak Savannah prairie grassland and meadow, supporting the Paris Plains natural heritage: 63 participants planted 400 wildflowers and grasses, trees and shrubs

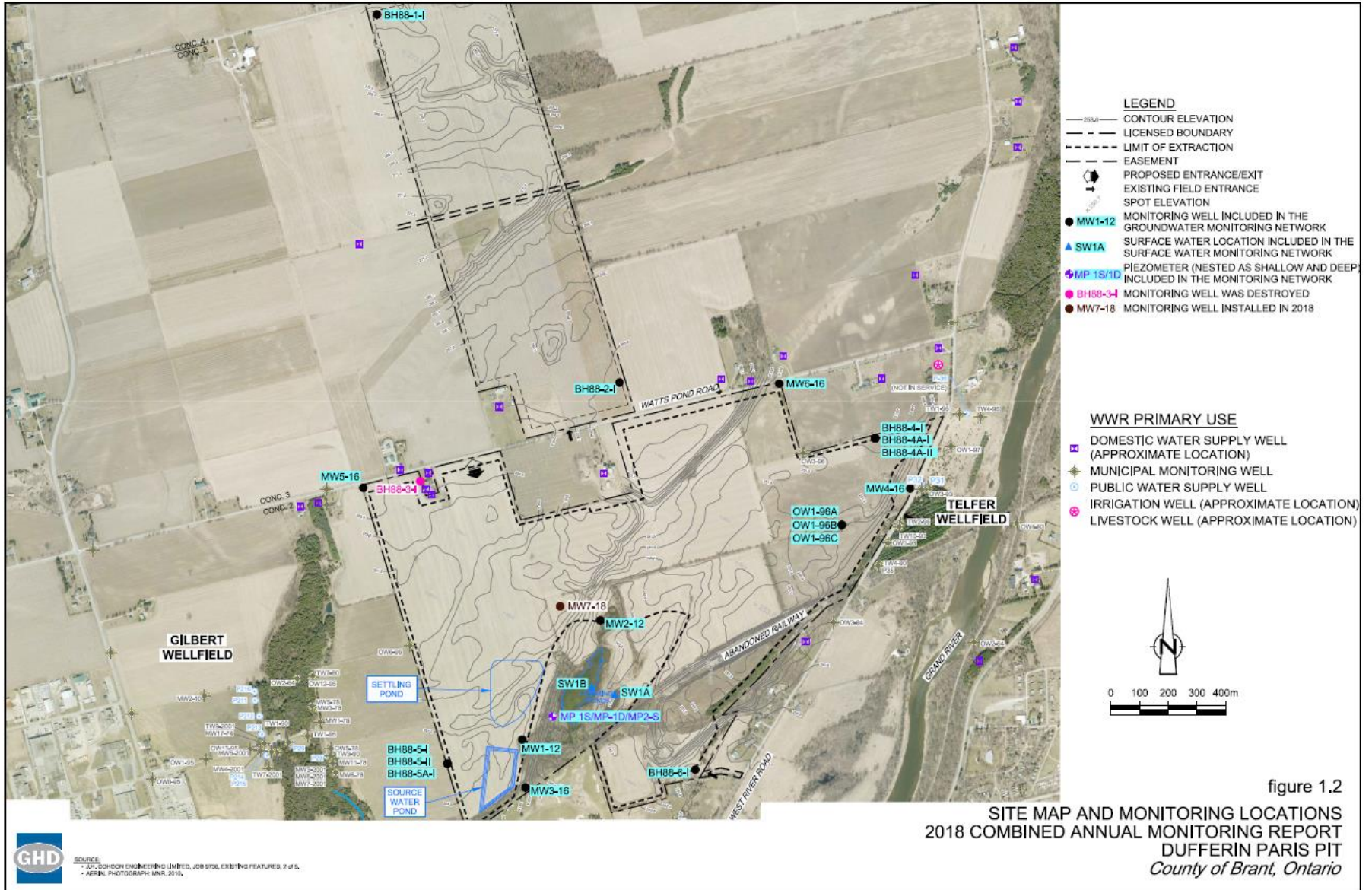


# Review of the 2018 Combined Annual Monitoring Report

## 2018 Combined Annual Monitoring Report

- Annual report prepared by GHD includes the results of the monitoring required under the Site Plans, PTTW, and ECA (ISW)
- The report was submitted to MNRF, MECP, and the County of Brant.
- The 2018 monitoring report is posted on the Paris Pit website: [www.dufferinparispit.com](http://www.dufferinparispit.com)

# 2018 Monitoring Report Highlights – Monitoring Locations



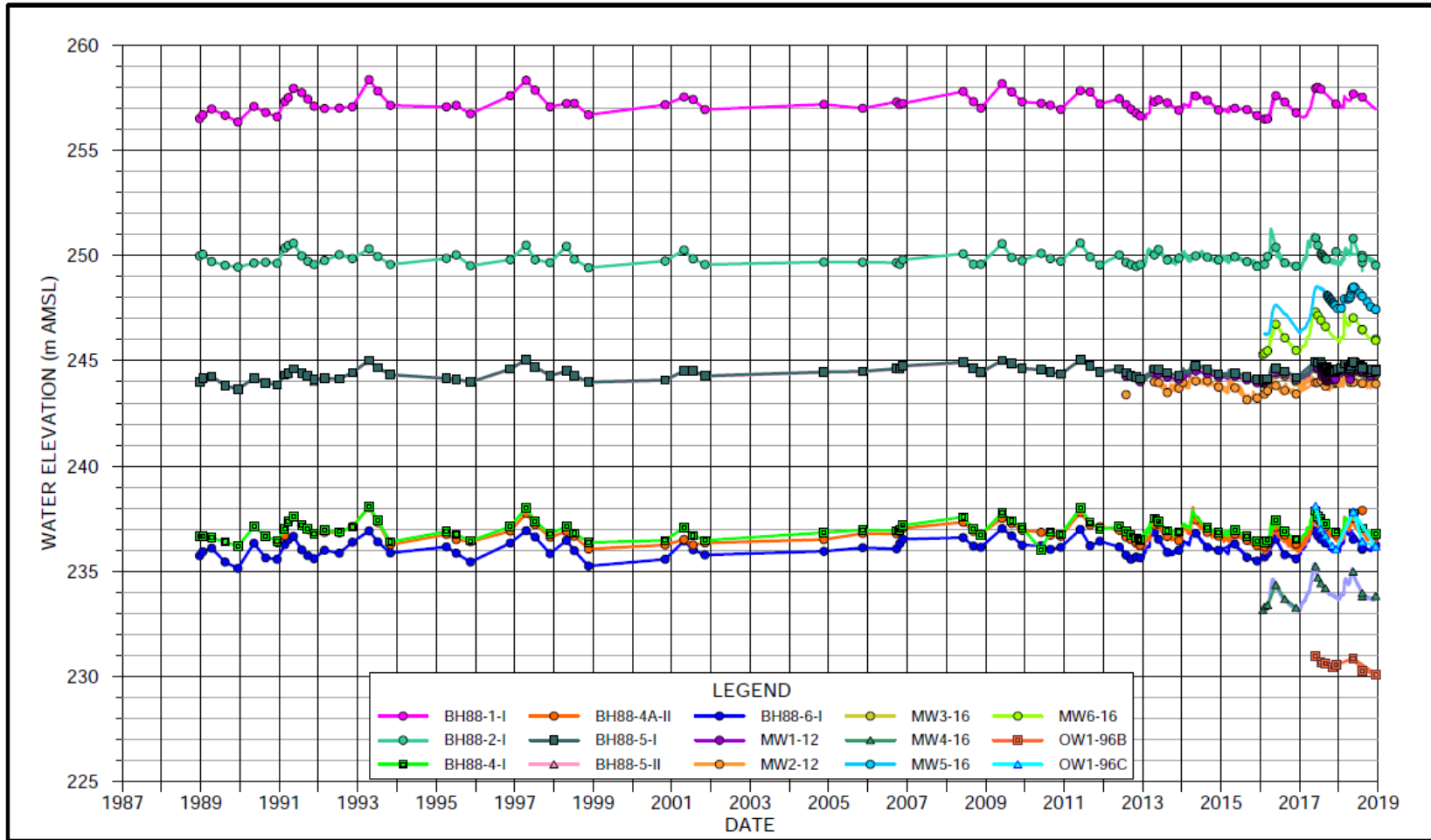
## 2018 Monitoring Report Highlights – Water Takings

- Source pond water takings in 2018 were below permitted rates
  - Limits (for 30 consecutive days for refilling of settling and recirculation ponds): 14,000 L/min, 10,800,000 L/day, 12 hours/day
  - Limits on rate (after 30 day period): 1400L/min
  - There was an accidental exceedance of the higher water taking rate being used outside of the 30 consecutive day period, which occurred for 3.3 hours on May 4, 2018. A power outage stopped pumping operations that day. Upon startup, the larger pump was incorrectly turned on by site staff. When noticed, site staff immediately shut off the larger pump. As a corrective action to prevent recurrence, the larger pump was disconnected and can only be reconnected by an electrician.
- Recirculation pond filling began on March 26, 2018
- Maximum takings in 2018
  - At higher rates in Table A for 30 day period: 11,736 L/min, 8,365,734 L/day
  - At typical rates for remaining days: 1399 L/min, 1,003,131 L/day

## 2018 Monitoring Report Highlights – Water Level Monitoring

- Groundwater elevations in 2018 were within historical ranges or slightly higher for each of the monitoring well locations
- Surface water elevations in 2018 were within historical ranges and slightly higher than historic ranges for SW1B
- Precipitation in 2018 was 966 mm (long-term average is 907 mm, 2017 was 1072 mm)
- Water levels in wells (BH88-5-1, MW1-12, MW3-16) and surface water location (SW1B) were monitored as part of the Trigger Mechanism & Contingency Plan.
  - Early warning threshold level (EWTL) was crossed for MW3-16 (on Apr 5, 2018) and MW1-12 (on Apr 12, 2018), requiring an action of increasing the frequency of manual water level measurements to weekly. EWTL was not crossed at BH88-5-1 or at SW1B.
  - Levels increased above EWTL on April 21, 2018. Weekly trigger level monitoring continued for one month after before reverting back to monthly.

# 2018 Monitoring Report Highlights – Water Level Monitoring



DUFFERIN PARIS PIT  
COUNTY OF BRANT, ONTARIO

078410  
Mar 08, 2019

GROUNDWATER HYDROGRAPH - OVERBURDEN

FIGURE 4.1b



## 2018 Monitoring Report Highlights – Quality Monitoring

- Groundwater and surface water sampling results were comparable to historic results.
- Wash water from the recirculation cell was sampled in 2018, in accordance with the ECA.
- As required by the ECA, groundwater, surface water, and wash water from the recirculation pond, were sampled and no pesticides, atrazine, atrazine metabolites, or glyphosate were present in the samples, which were compared to the following laboratory detection limits:
  - *Atrazine: 0.1 ug/L (no ODWQS)*
  - *Atrazine and metabolites: 0.2 ug/L (ODWQS: 5 ug/L)*
  - *Glyphosate: 0.1 ug/L (ODWQS: 280 ug/L)*
- Sediment Sampling
  - Sediment Sampling Plan was approved by MECP Director (Approvals Branch)
  - Sediment was sampled in accordance with the plan and approved for use in on-site rehabilitation by MECP Director (Approvals Branch) and District Manager (Guelph District Office)



# Closing

- CAP Membership Review

- Letter to be sent to all current members to confirm commitment on CAP by end of June

- 2019 meeting schedule

- For discussion

- Topic suggestions



**Thank you**