

A decorative graphic on the left side of the slide consists of several overlapping, wavy bands in blue and green, extending from the top left towards the bottom right.

Community Liaison Committee

St Marys Cement Plant

June 5, 2026

Agenda

1. **Welcome and Introductions**
2. **Complaints 2026 Year to Date**
3. **Blasting Limits and Vibration**
4. **Alternative Low Carbon Fuels Updates**
5. **Formation of Limestone and Limestone Quality for Cement Manufacturing**
6. **Questions Brought Forward in Advance**
7. **Round Table**
8. **Closing Remarks**

Community Liaison Committee

Welcome and Introductions



Community Liaison Committee

The next Community Liaison Committee Meeting will be held on **Friday June 5th at 10am** at the St Marys Municipal Operations Center. Members of the public who wish to observe are welcome to attend.

Residents who wish to speak in front of the Committee may submit a detailed request in writing at least 3 days prior to the meeting in writing to the Committee. The request will be considered by the Committee and approved prior to the meeting.

Please submit all requests, questions, and concerns for the meeting to kara.terpstra@vcimentos.com by **June 3rd, 2026**.

- Thank you to the Town of St Marys for allowing us to use their Youtube Channel and the Municipal Operations Center
- Welcome back everyone!
- Round Table Introductions
- Did anyone have questions/concerns about the March 6th Meeting

Complaints Received

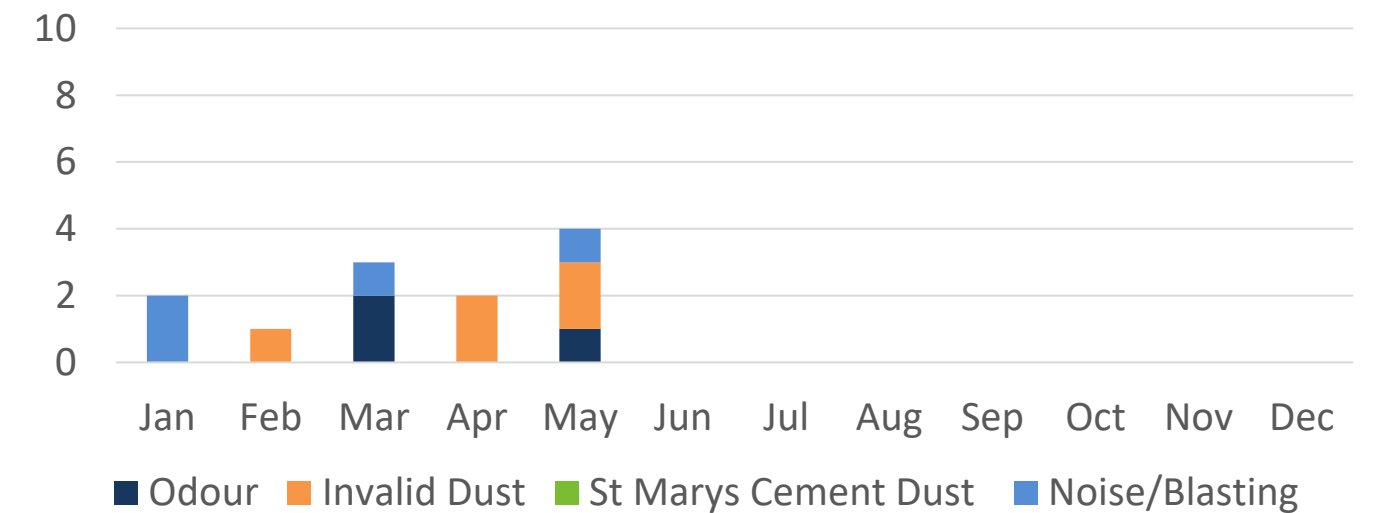
2026 Year to Date

	Odour*	Mention Health**	Dust	Invalid Dust	Noise/ Blasting
Total	3	0	5	5	4
January	0	0	0	0	2
February	0	0	1	1	0
March	2	0	0	0	1
April	0	0	2	2	0
May	1	0	2	2	1
June					
July					
August					
September					
October					
November					
December					

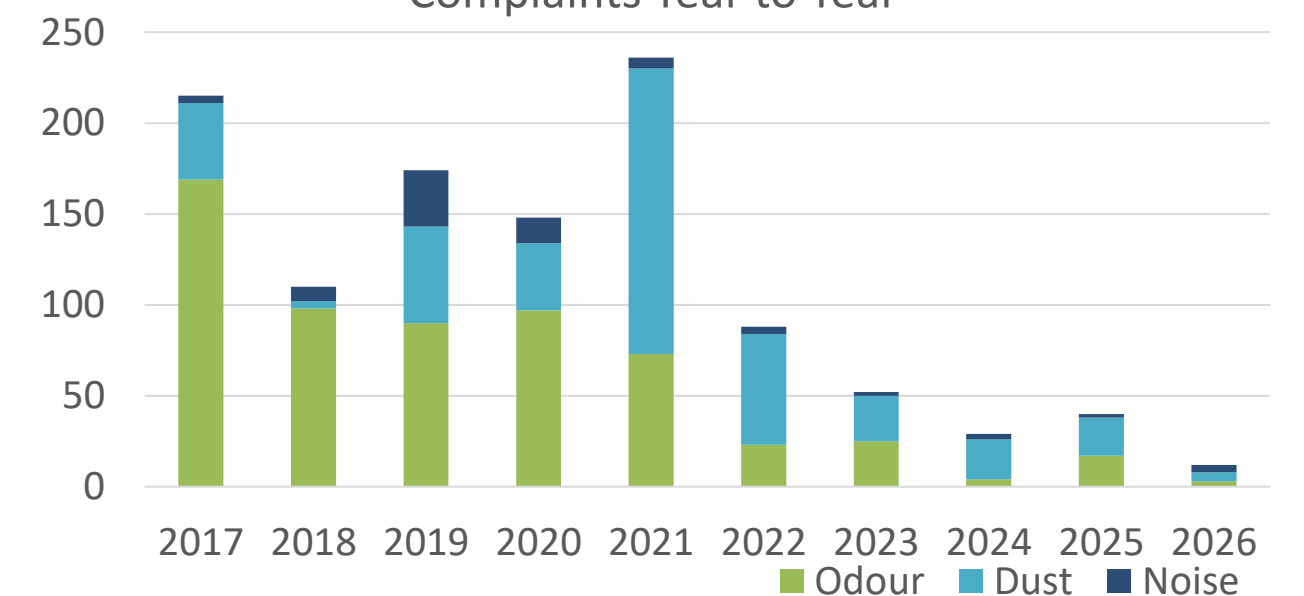
* Odour complaints reviewed on the next slides

**Complaints which 'Mention Health' are counted when a resident calls with an odour complaint and highlights that they have health concerns. They are not separate complaints received by the plant.

2026 Community Complaints



Complaints Year to Year



Odour Monitoring using Enviro-Suite Software



Likely Originated from SMC

The trajectory generated by Enviro-Suite aligns with the location of the stack.



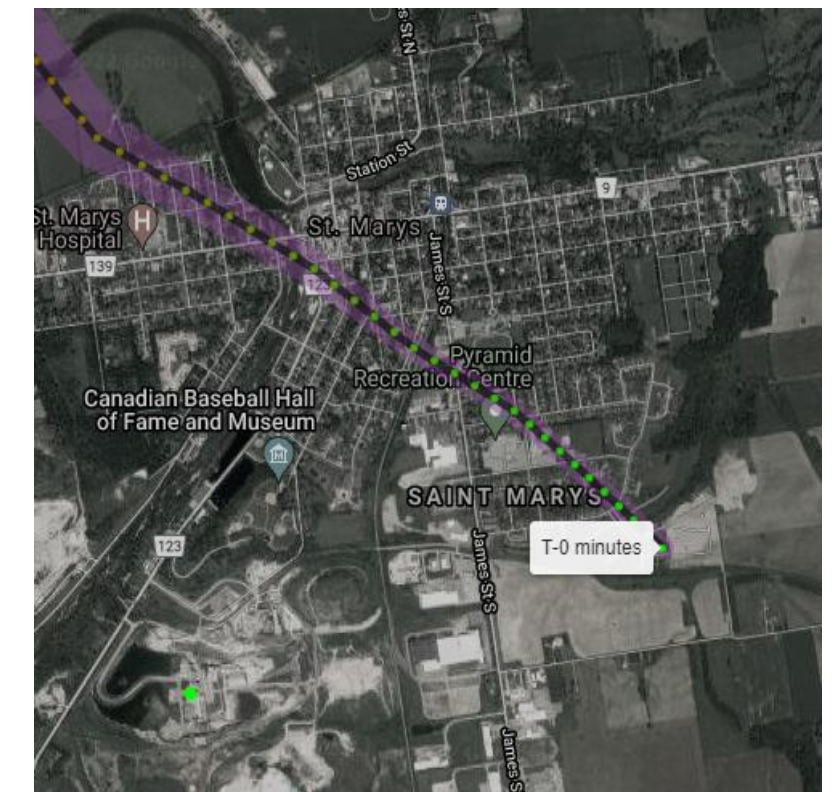
Possibly Originated from SMC

The trajectory generated by Enviro-Suite is close to aligning with the location of the stack.



Probably did not Originate from SMC

The trajectory generated by Enviro-Suite is not close to the stack but direction of the trajectory is towards SMC.



Did Not Originate from SMC

The trajectory generated by Enviro-Suite is clearly not in the direction of the stack.

Odour Monitoring using Enviro-Suite Software

Date	Enviro-Suite Results
Monday March 16, 2026	Enviro-Suite Unavailable
Wednesday March 18, 2026	Enviro-Suite Unavailable
Tuesday, May 25, 2026	Possibly Originated from SMC*

* Resident noted 2 times on May 25th. At 12pm the trajectory noted did not originate from STM and at 1pm the trajectory noted possibly originated from SMC.

Enviro-Suite Results*		
	2025 YE	2026 YTD
Likely Originated from SMC	12	0
Possibly Originated from SMC	2	1
Likely did not Originate from SMC	1	0
Location not Provided	2	0
Enviro-Suite Unavailable	0	2

Dust Complaints Received

Date	Number of Complaints	Valid Complaints	Sample Results
4/7/2026	1	0	Wind direction did not line up with complaint timing.
4/17/2026	1	0	High levels of silica inconsistent with cementitious materials.
5/5/2026	1	0	High levels of silica inconsistent with cementitious materials.
5/6/2026	1	0	High levels of silica inconsistent with cementitious materials.

Blasting Limits and Vibration

- SMC Received 2 blasting complaints in March and April 2026. One resident noted structural cracks in their house vibration and brickwork, and the other noted a pane of glass that shattered.
- Refer to previous presentation from Dyno-Nobel in June 2022 discussing Blasting monitoring and vibration limits

Structural response to air overpressure

Air Overpressure (dB(L))	Air overpressure effect
181	Conventional structures severely damaged
171	Most windows break
151	Some windows may break
140	Some large, poorly set plate glass windows may break/crack
129 - 134	USBM interim limit for allowable air overpressure
128	Ontario limit for Quarries (NCP 119)
117	Dishes and windows may rattle
65	Ordinary conversation



Alternative Low Carbon Fuels



ALCF Wood



ALCF Plastic

St Marys Cement started using ALCF in the process in May 2024.

As of May 31st, 2026 SMC has used

1727 tons of wood

and

29,235 tons of plastic

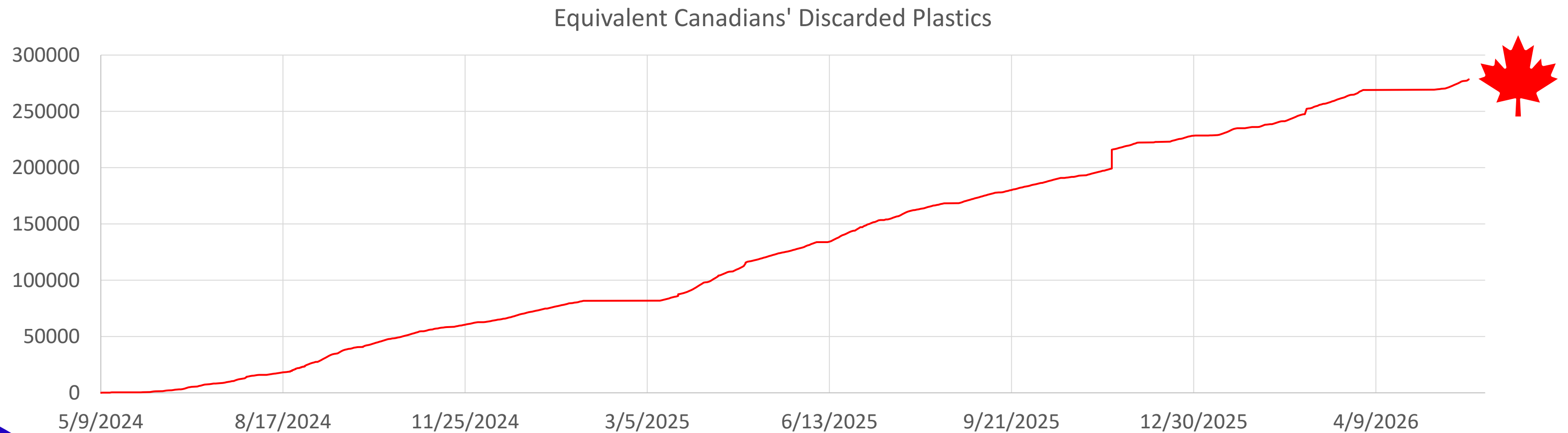
as Alternative Low Carbon Fuels.

Alternative Low Carbon Fuels

According to Statistics Canada in 2019 the average Canadian disposed of 105 kg of plastic.

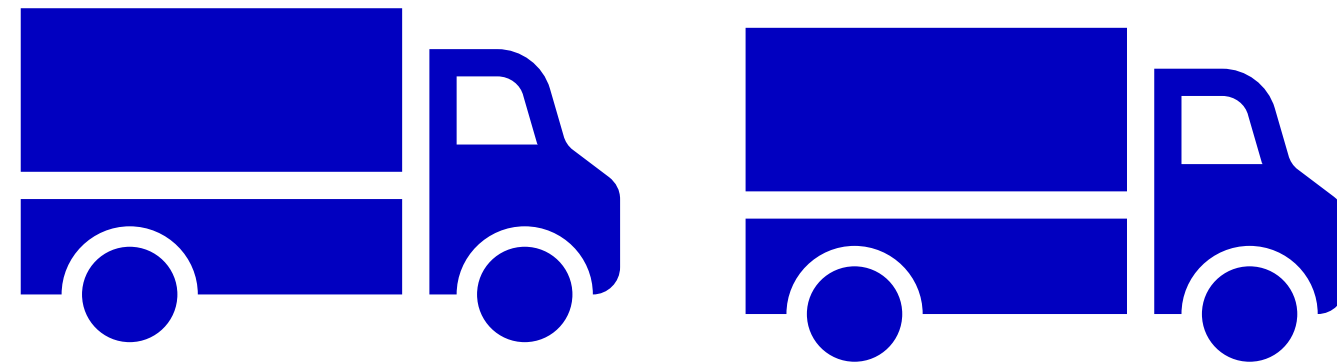
As of January 31st , 2026 the quantity of plastic used as ALCF at SMC is the equivalent of **278,429** Canadians' discarded plastic.

<https://www150.statcan.gc.ca/n1/daily-quotidien/230309/dq230309e-eng.htm>



Since May 2024 St Marys Cement has used

1302 trucks of plastic* and **86 trucks of wood*** as Alternative Low Carbon Fuel.

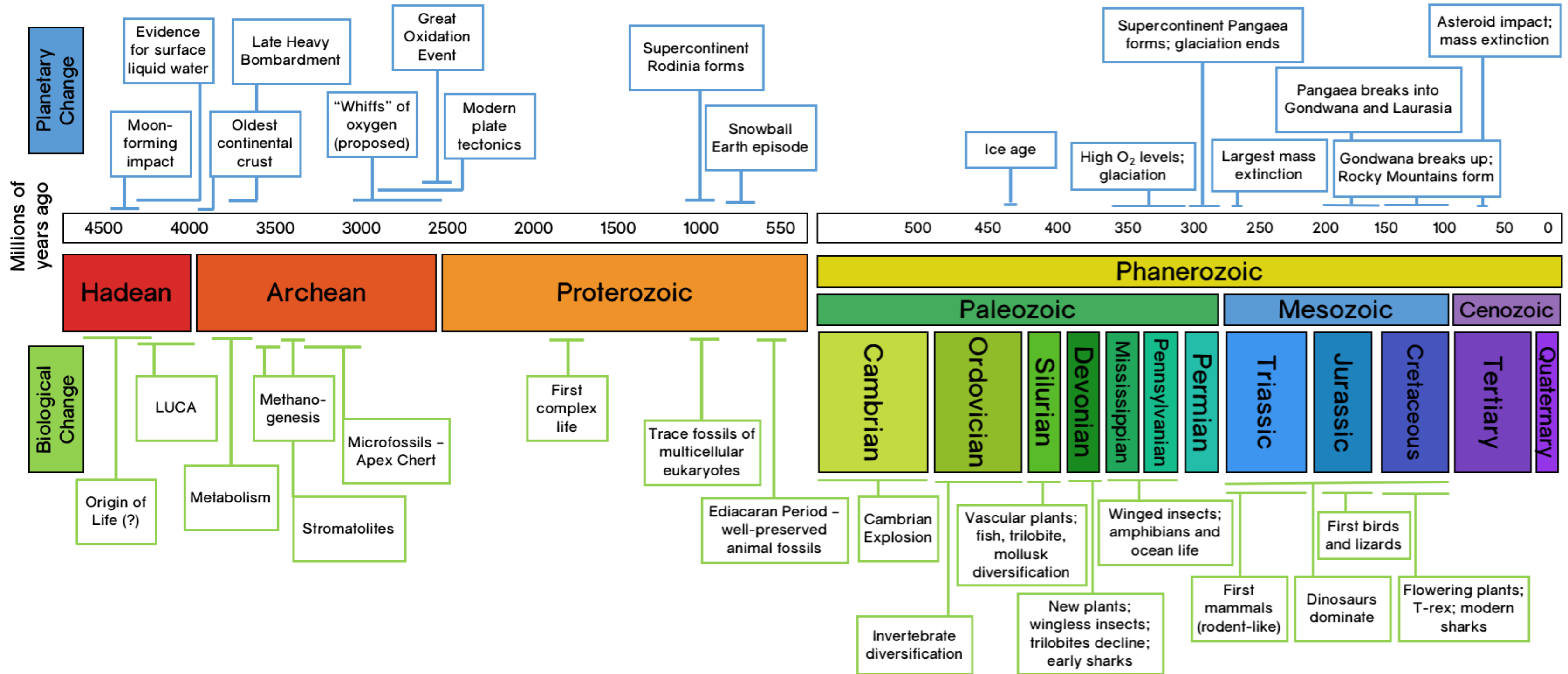


1302 trucks of plastic
Average 2 Trucks per day

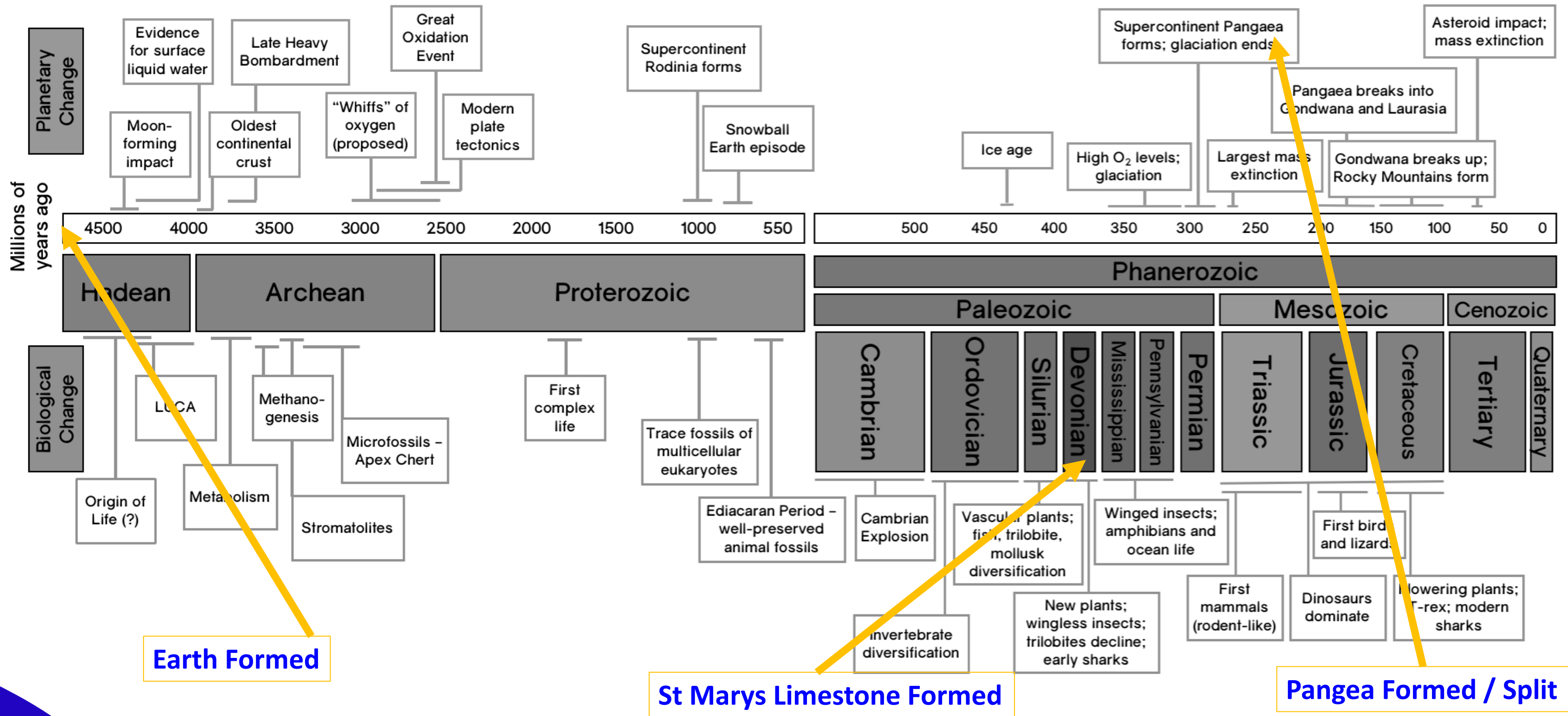
Formation of Limestone and Limestone Quality for Cement Manufacturing



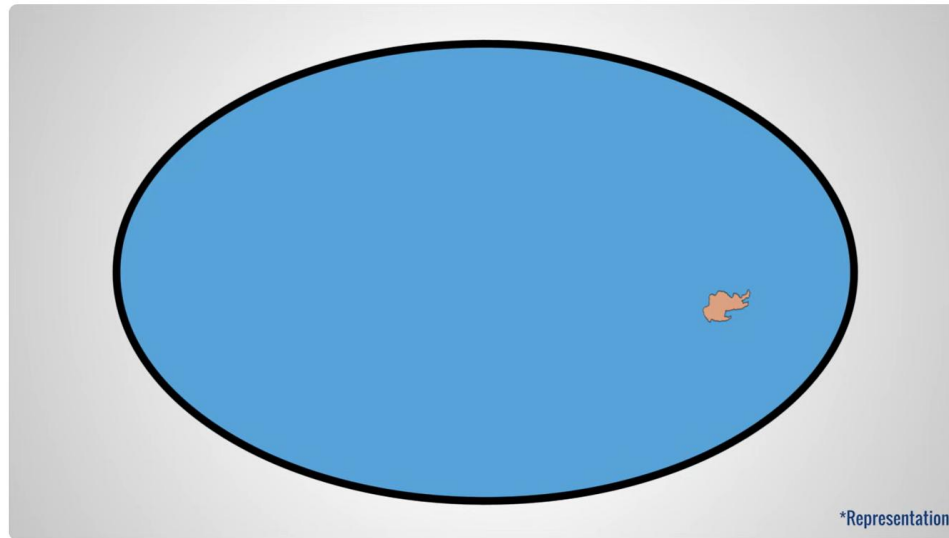
The Timeline of Earth



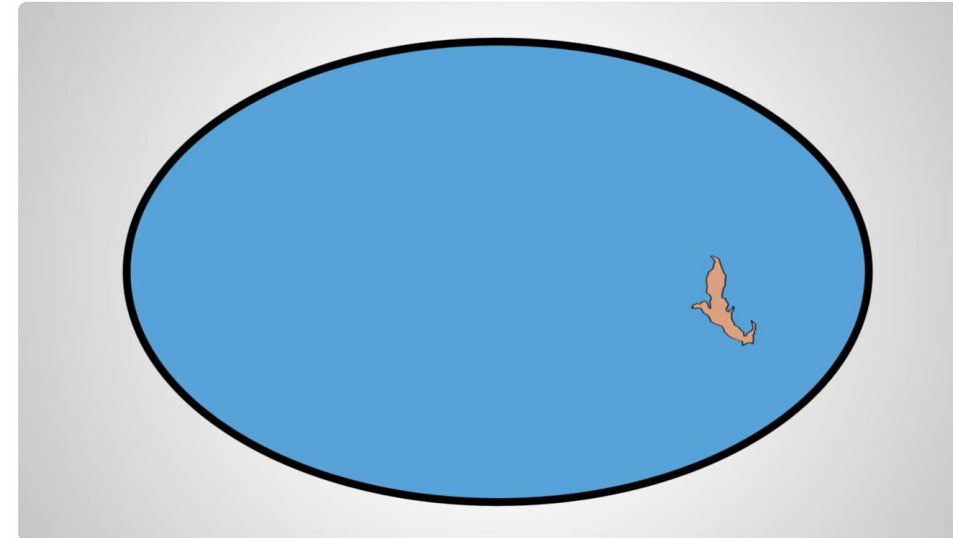
Continental Shift



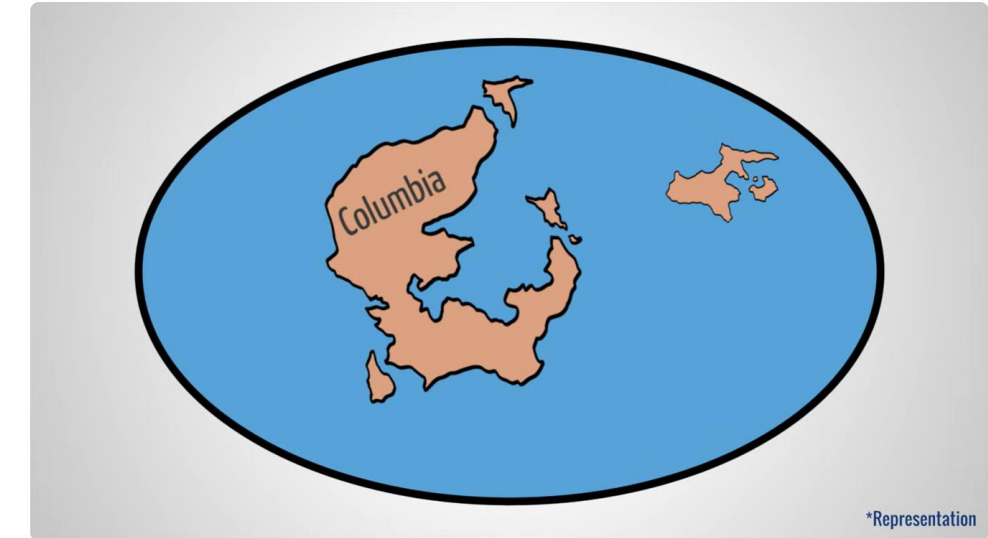
Super Continents and Continental Shift



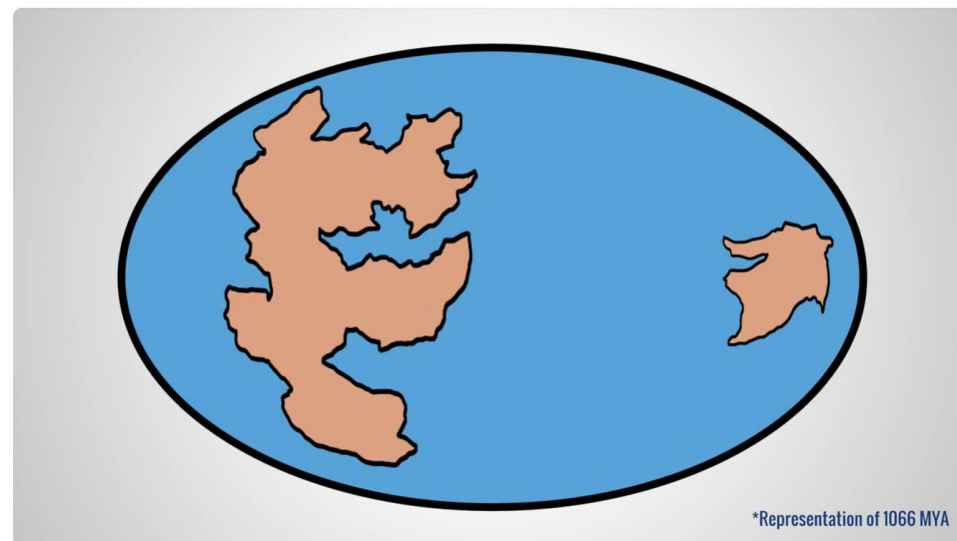
Vaalbara – 3.6-2.8B Years Ago



Ur – 3B Years Ago



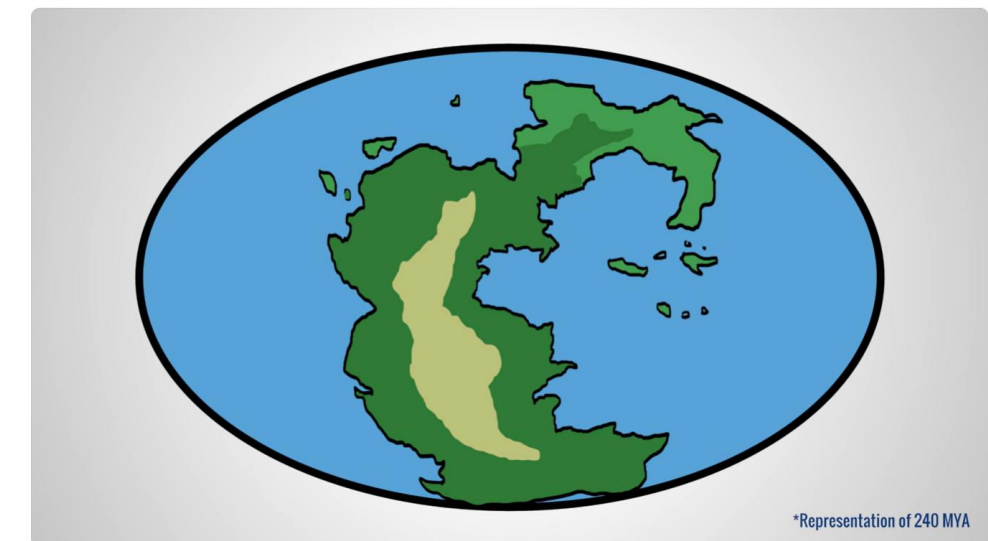
Columbia -2.5 B years Ago



Rodinia 1.3-0.9B Years Ago

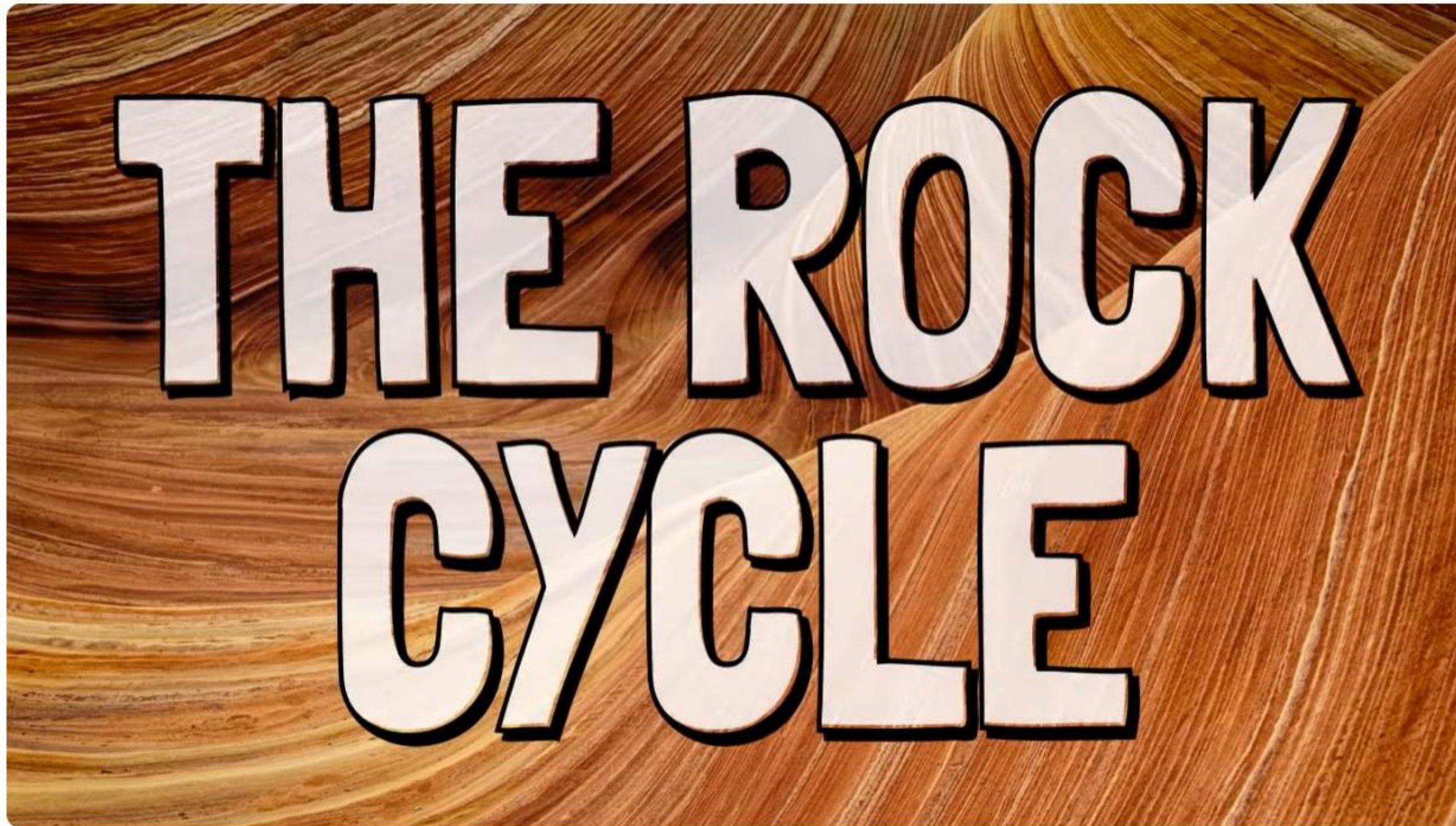


Laurasia/Godwana – 300 M Years Ago



Pangea – 250M Years Ago

The Rock Cycle



What Is the Rock Cycle?

https://www.youtube.com/watch?v=0Ln_UTF17LI

Devonian Period



<https://www.flickr.com/photos/192369575@N05/51889560551/play/1080p/4d3e7eb898/>

For more interesting information on rock formations in Ontario you can visit Professor Tsujita's website:

[Geology of Southwestern Ontario](http://www.geologyofontario.com/)

<https://storymaps.arcgis.com/stories/711e7d15a9c749b98301d85ab9104652>

Formation of Limestone and Limestone Quality for Cement Manufacturing

Depending on the location in the lake and other sources of sedimentation in the area, the quality of the limestone will vary. This can also be seen in the colors of the limestone.

Colors can range from very white to even pink.

Some limestone deposits work well for cement manufacturing as they contain low to proper ratios of iron, alumina, and silica.

Other limestones such as the limestone in St Marys do not contain these elements therefore they must be added as raw materials, as discussed at the last CLC.



Formation of Limestone and Limestone Quality for Cement Manufacturing

Other naturally occurring minerals found in areas of the world can be either beneficial or detrimental to the use of that limestone for cement.

For example, Roman concrete was made of materials that also contained volcanic ash. This ash contained pozzolans which react and create dense crystals that weld aggregates together and repair cracks over time.

Roman concrete is made of materials that are self healing.

Modern construction now frequently uses these natural pozzolans to create sustainable, high-performance, and chemical-resistant cement.



Questions Brought Forward in Advance

None.

Round Table

For any Questions or Concerns related to St Marys Cement Plant Operations please contact

Kara Pelissero – Environmental Manager
at 519-284-1020 x 235
or at
kara.pelissero@vcimentos.com

Upcoming Meetings
September 10, 2026 – 6:00pm
December 4, 2026 – 10:00am

stay safe

ER visits

peak in the summer months.

Avoid these five common summer-related accidents and illnesses.



1 sunburn

Use a sunscreen with an SPF of 30+ and reapply every two hours

2 dehydration

Drink plenty of water and avoid sugary, caffeinated and alcoholic drinks

3 burns

Use caution when dealing with flammable liquids, open flames, campfires and even barbecues

4 outdoor injuries

Wear appropriate attire and safety gear during activities like bike riding and hiking; water recreation should be monitored by an adult who knows CPR

5 food poisoning

Don't eat food left out of refrigeration for more than one hour when the temperature is above 90° F