

2016 OSSGA

INDUSTRY ADVANCEMENT AND STUDENT DESIGN AWARDS



**CELEBRATING THE STORY
OF AGGREGATE IN CANADA**

COMMUNITY RELATIONS

The Community Relations Award recognizes those who have demonstrated leadership in promoting good neighbour relations, community involvement, education and industry awareness.

Dufferin Aggregates – A Division of CRH Canada Group Inc.

*Acton Quarry
Town of Halton Hills*

Building strong community ties and lasting neighbour relations are chief priorities at Dufferin Aggregates' Acton Quarry. Onsite, these commitments are demonstrated through the adoption of noise and dust mitigation processes and equipment, traffic safety initiatives, the quarry's Blasting Beyond Compliance program, and numerous environmental efforts.

Within its community, Acton Quarry supports local organizations like the Darling Home for Kids and the MS Society, and it regularly donates funds and material to local sports clubs, schools, community events, and fundraisers. In 2016, it hosted its yearly tree-planting initiative with Scouts Canada, where Acton Quarry volunteers paired with 350 scouts to plant 3,000 native tree and shrub species as part of the site's rehabilitation and eco-friendly initiatives.

Rounding out its community relations, Acton Quarry hosts an annual Open House for over 200 neighbours, government officials, community stakeholders, quarry staff and their families, as well as the Earth Rangers organization. It also works with local media outlets to share news of its operations and company initiatives.



Dufferin Aggregates – A Division of CRH Canada Group Inc.

*Carden Quarry
Township of Ramara*

The spirit of community thrives at Dufferin Aggregates' Carden Quarry. In addition to donating thousands of dollars in funds and material goods to local charities and implementing other initiatives in the Township of Ramara, Dufferin Aggregates' staff help conduct annual year-end clean-ups along Cranberry Lake Road. The quarry also supplies its neighbours with a free load of aggregate and holds an open house and conducts tours for members of the public interested in learning more about the quarry's operations, its people and the importance of aggregates in the industry.

Within its boundaries, Carden Quarry takes a number of measures to minimize the impact of its operations on neighbours. Noise is controlled through a CPL noise reduction system and dust is mitigated through regular site maintenance, road watering and the recent addition of spray bars. Potential impacts from site traffic are addressed through a Truck Safety Policy, and the site takes numerous measures to stay in compliance with its water usage requirements.

These and other activities are shared with the community through Carden Quarry's communication program. It includes regular meetings, a local community engagement plan, an Environment Management System, and CRH's comprehensive public relations program.

A SPECIAL THANKS TO THE JUDGES

The Industry Awards review panel was comprised of judges invited from outside the industry, including Mhairi McFarlane, Nature Conservancy of Canada; Nic Schulz, Cornerstone Standards Council; Mike Williams, Ducks Unlimited Canada; Bryan Lewis, Halton Hills Councillor; James Bakker, MNRF Aggregate Technical Specialist; and Hal Leadley, MNRF Coordinator, Resource Development. They were supported by OSSGA member Kevin Fitzpatrick of WSP Canada Inc. and Danielle Solondz of The Ontario Aggregate Resources Corporation (TOARC).

The Student Design Award review panel was comprised of judges from outside the industry, including Stephen Douglas, an MNRF Aggregates Inspector, as well as members of OSSGA's Rehabilitation and Species at Risk Committees: George Antoniuk, The Miller Group; Stephanie Balzer, Nelson Aggregate Co.; Debra Kakaria, MHBC Planning; and Kevin Fitzpatrick, WSP Canada Inc.

Supported by



COMMUNITY RELATIONS

Dufferin Aggregates – A Division of CRH Canada Group Inc.

*Milton Quarry
Town of Milton*

Employees at Dufferin Aggregates' Milton Quarry are continuously demonstrating their commitment to the quarry's neighbours and surrounding community. In addition to going to great lengths to protect its 20 neighbours against noise, dust and traffic from its operations, part of the quarry's rehabilitated space serves as a public access viewing area within the Bruce Trail network.

As well, Milton Quarry staff regularly lead initiatives within the community. They include helping to organize and run an annual Earth Week tree-planting event in association with Scouts Canada, hosting student tours as part of the Dufferin Aggregates Education Program, and



lending support to Dufferin Aggregates' yearly Ready Mix Drum Sponsorship Program in support of Halton Healthcare Services. On top of this, the Milton Quarry sent money, materials and volunteers to a wide range of charities, community organizations, local clubs and fundraisers.

Milton Quarry's Community Advisory Panel (CAP) ensures there is ongoing dialogue between quarry staff and Milton residents, and its Environment Management System (EMS) tracks, documents and addresses concerns that arise.



Dufferin Aggregates – A Division of CRH Canada Group Inc.

*Mosport Pit
Village of Orono*

Tree planting, open houses, local volunteerism and onsite events are just a handful of ways that Mosport Pit shows its support for the Municipality of Clarington. In 2016, it sent volunteers and made approximately \$5,500 in monetary and material donations to a number of local groups and organizations, including the Orono Santa Claus Parade and Fall Fair, Durham Children's Groundwater Festival, In the Face of an Angel Golf Tournament and the Dufferin Aggregates Ready Mix Drum Sponsorship Program in support of local hospitals.

Mosport Pit's neighbourly spirit is also found throughout its 172-hectare site. The pit employs extensive maintenance to mitigate noise and dust and takes measures to ensure traffic safety and eco-friendly resource use. Its Zero Harm day is held to encourage safe practices among its staff; this year they celebrated 15 years with no lost-time injuries.

Lafarge Canada Inc. – A Member of LafargeHolcim

*Caledon Pit
Town of Caledon*

Caledon Pit takes community relations to heart both on- and off-site. On the site, noise, dust and safety mitigation equipment and practices help minimize the effects of its operations on neighbours. Off-site, staff are familiar faces at community events. Highlights include the Caledon Council Community Golf Tournament, which Lafarge sponsored at a platinum level, and the Peel Children's Aid Foundation's Holiday Wishes Program. As part of the Children's Aid program, Caledon Pit staff sponsored a family for the holidays and delivered Christmas gifts.

One of Caledon Pit's more popular events is its annual Pit Run. Held since 2012 and co-hosted with Aecon Construction, last year's run took place in September, with over 100 runners participating in a 5-km or 10-km run through the property. Neighbours, employees, family members and friends joined Caledon Pit employees for a 1-km Kids' Fun Run, sponsor expo, equipment displays and tours, all of which helped raise \$30,000 in support of the Caledon Central Public School and their Food Exchange program.



COMMUNITY RELATIONS

Lafarge Canada Inc. – A Member of LafargeHolcim

*Woodstock Quarry
Township of Zorra / County of Oxford*

At Lafarge Canada Inc.'s Woodstock Quarry, being a good neighbour means more than ensuring the safety of staff and visitors on and around the site. It means using berms and barrier walls around the 550-hectare site to reduce noise, while also conducting extensive blast monitoring to minimize vibrations and taking multiple measures to control dust.

For Woodstock Quarry staff, being a member of the community means getting involved in a wide range of local events and charitable initiatives. This includes sponsoring IKO Charity Golf Tournaments, holding fundraisers in support of Woodstock's Domestic Abuse Services Centre, hosting a Scoutrees planting event, donating to local sports organizations and contributing concrete to the Woodstock Police Association to build a new kennel for a police dog.

In addition, Woodstock Quarry's doors are open to students and community members who want to learn more about the quarry, aggregates and site safety.



Walker Industries – Walker Aggregates Inc.

*McGregor Quarry
Town of Amherstburg*

McGregor Quarry takes pride in giving back to its hometown of Amherstburg. It uses noise-reducing equipment, vegetated berms and a tree screen around the road boundaries to reduce noise, while seismographs are used to monitor noise and vibrations from blasting operations. Equal focus is placed on reducing dust through routine maintenance and ongoing improvements to the processing plant. Traffic safety is also addressed with a network of traffic lights and signage throughout the property.

The McGregor Quarry is embedded in its community. It donates to organizations like the Unemployed Help Centre, the Windsor/Essex County Humane Society and the Windsor-Essex Children's Aid Society. It also provides assistance and discounted materials to the Essex Region Conservation Authority for various projects. Throughout the year, the quarry opens its doors to teachers and their students for informative field trips and publishes a semi-annual newsletter, *BorderStones*, to inform neighbours and stakeholders of its operations, quarry news and upcoming events.

COMMUNITY RELATIONS



Walker Industries – Walker Aggregates Inc.

*Vineland Quarries & Crushed Stone
Town of Lincoln*

Good neighbourly relations rank high among Vineland Quarries & Crushed Stone's priorities. The site has taken numerous steps to reduce the impact of its operations, such as switching to custom-made tarps over its stockpiles, adding a second water truck, employing an advanced dust control system to mitigate dust, installing custom fabricated soundproof enclosure systems at its primary and secondary plant to reduce noise and dust, and enhancing traffic and site safety initiatives.

Quarry employees are also active within their community. The quarry partners with the 1st Vineland Scouts every Earth Day to clean up roadways, and it regularly makes a donation to their club. It also teams up with Walker Industries to hold the "Together We Can" \$10,000 charity lottery, where 15 employees are given the opportunity to donate \$500 or \$1,000 to a community charity of their choice. Vineland Quarries is happy to invite the community to receptions and tours, and regularly shares news on its operations and employees in its *Stonevine* newsletter.

Walker Industries – Walker Aggregates Inc.

*Walker Brothers Quarries
Township of Stamford (Niagara Falls)*

Continually improving its noise, dust, traffic and safety measures is simply one part of Walker Brothers Quarries' community relations' game plan. The quarry is involved with many local fundraisers and charitable initiatives and hosts field trips and a Construction Day event for students. The quarry also holds a Christmas Wine and Cheese, which is open to neighbours who want to learn more about its operations, discuss issues or meet staff members. These events, updates and articles from Walker Brothers Quarries are all showcased in the company's bi-annual *Walkways* newsletter.

Quarry staff are always looking for ways to give back to their community. In 2016 they did just that after receiving unexpected proceeds for batteries and scrap metal. Instead of directing the money toward staff functions, they donated it to the Juravinski Hospital in honour of a former employee who had passed away



from cancer. On a second occasion, staff supported a team from the quarry that participated in the Parkinson SuperWalk,

raising \$15,000 for Parkinson Canada, the highest amount raised for the charity in the Niagara region.

ENVIRONMENTAL ACHIEVEMENT

The Environmental Achievement Award recognizes OSSGA members that have developed and successfully implemented industry-leading policies, programs or projects that make positive contributions to the environment and motivate leadership within the industry.

Dufferin Aggregates – A Division of CRH Canada Group Inc.

*Milton Quarry
Town of Milton*

Milton Quarry's commitment to environmental stewardship and continuous improvement was on full display in 2016. Thanks to its water conservation methods (e.g., its water recharge system) the quarry was able to water trees in the Region of Halton's Cox Tract during a period of drought. It also continued its progressive rehabilitation effort and paired with Scouts Canada to host its annual tree-planting event.

Other eco-forward activities conducted by the quarry include re-purposing worn-out conveyor belting and installing three electric vehicle-charging stations. As a Class A hydro user (average hourly peak demand between three and five megawatts), Milton Quarry also participates in the IESO Class A Global Adjustment (GA) program to reduce hydro consumption at peak times, reducing the amount of greenhouse gases created by hydro generation.



Waynco Ltd.

*Waynco Pit
Township of North Dumfries*

In 2005, Waynco Ltd. was approached by the Waterloo Stewardship Network with a request to become a partner in enhancing, restoring and creating one of Ontario's largest prairie remnants from the tallgrass prairies and savannahs on its property. Soon after, a plan to regrow a Waynco Prairie was launched with a goal to protect and enhance the endangered tallgrass ecosystem and its native plant and animal species.

Over the past 10 years, the Waynco Rehabilitation Project has included prescribed burns, the creation of an invasive species management plan, extensive seeding and planting, seed collection and ongoing monitoring.

The site has also hosted tours for naturalist groups and has been a focus of study for students at the University of Waterloo. Seeds collected from the project have contributed to the restoration of other prairie lands, including a project at the nearby Savannah Golf Links.

PROGRESSIVE REHABILITATION

The Progressive Rehabilitation Award recognizes ongoing efforts of individual operators in progressively rehabilitating their sites in accordance with their site plans.

Judges' Choice Award

CBM Aggregates – A Division of St. Marys Cement Inc. (Canada), Votorantim Cimentos

*Diocese Pit
Thames Centre*

Approximately 13 hectares of land were rehabilitated on the eastern side of CBM Aggregates' Diocese Pit with the goal of returning the land to agricultural use. From 2004 to 2015, material for the project was transported to the site, after which recycled asphalt was removed and processed for A-gravel and roadside granulars.

Once cleared, the pit floor was contoured and sloped and overburden was applied to create side slopes and raise the floor height by 0.9 metres. In the end, approximately 130,000 cubic metres of material was used to complete the contouring.

In the fall of 2015, nearly 20,000 cubic metres of topsoil was placed at 30-cm depths. Final contouring was achieved later that year, and in April 2016 tilling and seeding with corn commenced. By that summer, the crop was performing well despite the region's extreme heat and dry conditions.



Honourable Mention

After



Before



CBM Aggregates – A Division of St. Marys Cement Inc. (Canada), Votorantim Cimentos

*Archer Pit
Municipality of Brighton*

Archer Pit's rehabilitation project took place from August 2014 to September 2015 over 1.8 hectares of the pit's 5.97 hectares of total licensed area. Approximately 6,000 square metres of overburden was moved by CBM's CAT 980 loader and placed to create a 3:1 slope, after which Indewey Excavating graded the material with a 450 John Deere dozer. Next, topsoil was transported from nearby storage berms and spread at a thickness of 12 inches across both the slope and the pit floor.

In the final month of the rehabilitation project, CBM employees seeded this area with a rye and clover mix, applied at a rate of 125 kilograms per hectare.

During



PROGRESSIVE REHABILITATION

CBM Aggregates – A Division of St. Marys Cement Inc. (Canada), Votorantim Cimentos

*Lakefield Pit
Township of Selwyn*

The rehabilitation of Lakefield Pit's central floor involved 1.25 hectares of the pit's total licensed area of 77.01 hectares. It began in September 2015 with the transfer of approximately 2,000 cubic metres of overburden from a nearby storage stockpile to the target location, after which Doughty Aggregates transported stripped onsite topsoil to cover the site. That topsoil was spread over the rehabilitation area at a thickness of six inches and then graded by a 450 John Deere dozer. In October, employees completed the project by applying 160 kilograms of grass and legume seed mix at a rate of 128 kg/ha, and work wrapped up on the rehabilitation in mid-October.



Dufferin Aggregates – A Division of CRH Canada Group Inc.

*Butler Pit
Township of North Dumfries*

Plans to conduct progressive rehabilitation alongside active extraction were drafted at an early stage in Butler Pit's operations. Those plans included mining 6.2 hectares of land with an approximate face height of 7.5 metres over several phases, and following up immediately with rehabilitation efforts in the extracted areas. By rehabilitating the area so soon after mining, crews were able to quickly stabilize the bank and reduce erosion, establish faster vegetation, enhance site safety, and better protect local wildlife.

Mining for Phase 1 began in April 2015 and concluded with the rehabilitation of 200 metres of slope with 10,000 cubic metres of overburden. During Phase 2, 175 metres of slope was rehabilitated with 5,000 cubic metres of overburden, and in Phase 3 10,500 cubic metres of topsoil was applied at depths between 0.15 and 0.20 metres and seeded.

In the final phase, nearly 30,000 cubic metres of overburden and over 10,000 cubic metres of topsoil were spread to depths of 0.15 metres across the slope. The area was subsequently seeded with three different seed mixes.

PROGRESSIVE REHABILITATION

Lafarge Canada Inc. – A Member of LafargeHolcim

*Cook Pit
Township of Sunnidale*

Cook Pit's rehabilitation efforts took place over the 2015 and 2016 seasons and focused on 1.2 hectares of the 15.2-hectare sand and gravel pit. The intent was to reshape and grade the area to match its surroundings. Material was sourced from onsite operations, including the 8,000 cubic metres of overburden and topsoil moved to complete the rehabilitation. Local contractors were hired to complete the sloping and seeding, which included a mixture of rye, fescue and native species. Existing trees were saved to promote native species regeneration.

In total, Cook Pit's rehabilitation plans were conducted over three areas between 2011 and 2016. Area 1 included the natural regeneration and overgrowth of haul routes, while Area 2 in the southwest portion of the pit required sloping and seeding. Area 3, north of the pit, was completed in 2016.



Lafarge Canada Inc. – A Member of LafargeHolcim

*Uxbridge Pit
Township of Uxbridge*

Rehabilitation on the Uxbridge Pit (formerly the Regan Pit) was conducted with the intent of matching the rehabilitated area with its Core Forest surroundings and creating a wildlife corridor running between the north and south forested areas around the pit. Over 55,000 cubic metres of material was moved from onsite stockpiles to grade and shape the contours of the site, creating a rolling topography to promote the growth of local trees. Additional portions of the site were seeded with a mix of rye, alfalfa, clover and fescue.

Lafarge crews worked with experienced foresters to determine the best species to plant, based on their likelihood of growth. Selected trees included White Spruce, White Pine, Red Pine, Scots Pine, Larch, Hybrid Poplar and Trembling Aspen. Uxbridge also hosted a community tree-planting event with local community members and Scouts Canada. Future plans include the construction of habitat for snakes, fox and small mammals.



Walker Industries – Walker Aggregates Inc.

*McGregor Quarry
Town of Amherstburg*

From 2010 to 2016, McGregor Quarry's progressive rehabilitation efforts focused on readying the site for final rehabilitation, and their vision calls for sloped walls leading down to a water-filled quarry. Rehabilitated areas include seven hectares on the site's west wall, 4.5 hectares on its east wall, and 1.38 hectares on the south side.

Throughout the years, these slopes have been sculpted and seeded, and the company has planted trees along the top perimeter. Special seed mixtures (using species native to the region) were used to prevent erosion. The rehabilitation required over one million cubic metres of overburden from onsite sources, and topsoil was spread to depths of six inches. Looking ahead, part of the final rehabilitation will include filling the quarries' south end from an elevation of 125asl to 185asl, which will require 35 million cubic metres of fill. That part of the rehabilitation area will be progressively rehabilitated over the next 100 years of the mine's operation.



PROPERTY ENHANCEMENT

The Property Enhancement Award recognizes operational best practices in a site's entrance, approach and perimeter screening, office and scalehouse areas, employee areas, plant appearance, environmental controls, truck and mobile equipment, and communicative signage. Sites that initially meet the minimum requirements in each of the aforementioned sections are awarded a plaque. Site operators are then provided with an opportunity to win a Gold Bar for each section by meeting the comprehensive list of criteria for each. There are a total of seven Gold Bars that can be achieved.

Miller Paving Limited

Carden Quarry

Township of Carden

**One Gold Bar:
Environmental Controls**

Lafarge Canada Inc. – A Member of LafargeHolcim

Burford Pit

Township of Brantford

Certificate

Lafarge Canada Inc. – A Member of LafargeHolcim

Oro Pit

Township of Oro-Medonte

Plaque

Walker Industries – Walker Aggregates Inc.

McGregor Quarry

Town of Amherstburg

**Plaque and seven Gold
Bars: Entrance, Approach &
Perimeter Screening; Office &
Scalehouse Areas; Employee
Areas; Plant Appearance;
Environmental Controls;
Trucks & Mobile Equipment;
Communicative Signage**



Carden Quarry



Oro Pit



McGregor Quarry



Burford Pit



Generous funding for the competition was provided by The Ontario Aggregate Resources Corporation

STUDENT DESIGN COMPETITION

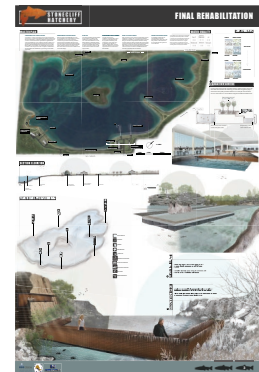
The Student Design Competition recognizes the most innovative designs for the ecological revitalization of a former pit or quarry. This year, students were challenged to create site plans for Nelson Aggregate's Burlington Quarry on the Niagara Escarpment.

1st Place (\$1,500) – Stonecliff Hatchery

Luke Elwood, Emily Dixon, Mike Hukezalie - University of Guelph

This 1st place award submission repurposes Burlington Quarry's lake as the central element in a hatchery/fishery development. With a mission to "enhance the quality of the land whilst generating new economic values based on sustainability," Stonecliff Hatchery is designed to create sustainable ecological systems; make the site more appealing to pedestrians, cyclists and vehicles; and develop facilities that will support research and education about sustainable fishing practices. Highlights of the extensive rehabilitation plans include the creation of a hatchery, fish cage, processing facility for food production, a boat launch for public fee-fishing in a stocked lake, a maintenance building, observation deck, parking facilities, an educational facility, and a network of movement corridors that will connect users to onsite facilities and focal points.

With all of these elements combined, Stonecliff Hatchery aims to provide Conservation Halton with "an innovative and practical site that will provide not only education for the local communities but also a new economic industry that will provide benefits to the region."



2nd Place (\$1,200) – Connection Habitat Regatta (CHR)

Michal Laszczuk, Stephen O'Neill, Luoizjie Xie - University of Guelph

As the name for this entry suggests, this student concept weaves themes of connection, habitat and regatta together to transform Burlington Quarry into a natural haven for both humans and native wildlife. To build those connections, the plan calls for the construction of an education centre, a grandstand for sporting events, a conservation area, improvements to the surrounding trail system, and a realignment of the Bruce Trail system to allow visitation of the site's rehabilitated habitats.

Addressing the "habitat" element, CHR proposes a woodland and wetland be created in close proximity to one another, utilizing a vegetation barrier to protect sensitive natural areas from human-use spaces.

Lastly, CHR's "regatta" element is represented by plans to develop a water sports facility that will be fully integrated into the rehabilitated habitats. With this facility, the student team believes the site will be an ideal venue for multinational water sporting events and help provide the region with a naturalized park that benefits both visitors and native species alike.

3rd Place (\$750) – Mount Nemo Memorial Grounds

Brianna Collis, Daniel Rotsztein - University of Guelph

This entry proposes that Burlington Quarry be rehabilitated into a natural memorial and scattering ground: the Mount Nemo Memorial Grounds. It lays out detailed steps to create various active and passive activity zones, including a naturalized forest zone, a memorial forest, ashes burial forest, maple-beech forest and meadow, and contemplation forest.

Visitors to the site are accommodated through a path system, shelters and a community building/administrative centre. Together, these features create a peaceful and contemplative memorial ground that, according to its designers, will be "harmonious with the surrounding ecology and landscape, create connections to other green spaces, and respond to social and community needs." By instilling land stewardship through memorialization, the Mount Nemo Memorial Grounds will foster a unique, contemplative sense of space for everyone who visits.



Honourable Mention (\$300) – Rejuvenated Living: Nature's Village

Gabriel DiNardo, Suzana Krizsan, Josephine Lenkey - Fanshawe College

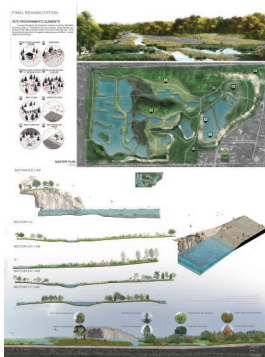
Low-impact and sustainable housing, greenhouses, bee farming and a central bird sanctuary are just a handful of the standout features proposed in this holistic submission. In addition to rehabilitation plans, Fanshawe College's Rejuvenated Living: Nature's Village submission calls for the development of a marsh, wetland, grassland, cliff and alvar habitats; an educational hub; and a pedestrian lookout overlooking the marsh and wetland habitats. The creation of new, healthy and diverse ecosystems also promotes the use of species indigenous to the region, including about 140 vascular plant species, 19 different plant communities and around 40 nesting bird species. An onsite island will serve as a dedicated sanctuary for birds, while the sustainable community, inspired by similar communities in Denmark and the Netherlands, will provide off-grid living for its residents.

STUDENT DESIGN COMPETITION

Honourable Mention (\$300) – Hooked

Kyle Foch, Matt Marchese - University of Guelph

With Hooked, students from the University of Guelph envision an “ecologically-focused destination” that will create a link between humans and their natural environment. With this goal in mind, this submission outlines a strategy to create a natural ecosystem with numerous amenities for fishing, camping, hiking and enjoying the site's lake and surrounding trails. Techniques used to facilitate the water component of this transformation include the use of stepped shoals, lurkers and bank cribs, as well as piles and tangles. Features such as an events centre, shade structure and gardening facilities are also included to encourage a deeper connection between visitors and their environment. The aim of the low-impact Hooked eco-recreation centre is not only to educate local residents about their natural surroundings, but to attract more tourists to the natural beauty of the region.



Honourable Mention (\$300) – Transition Park

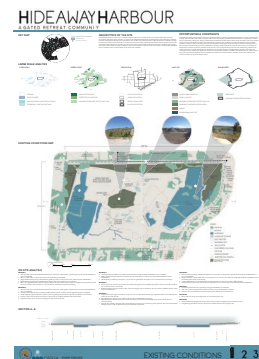
Yusong Li, Hannah Soules - University of Toronto

This entry separates itself from the pack with a well-defined strategy for using onsite hydrology to develop varied ecosystems for recreational use. The student team considered water the most defining attribute of the site and did not want to lose that in the rehabilitation process. Instead, they sought to celebrate the water element. Their plan will modify the west-side body of water to increase its transition zone, connect it with the other main body of water via streams and channels, and stabilize the site over time. The final rehabilitation includes an outdoor learning centre, boardwalk, rentable cabins, campsites and support for various water activities.

Honourable Mention (\$300) – Hideaway Harbour

Jared Grice, Nicola Moffat, David Quinn - University of Guelph

This submission sees Burlington Quarry reborn as a “gated retreat community” called Hideaway Harbour, catering to both private residential occupants and public visitors. It includes designs for 333 “built-to-order mobile floating living spaces,” sourced from a German company. There will also be a community centre for both public and private user enjoyment that will sit on the edge of the water with a wrap around porch that juts onto the water so users can experience both the inside and outdoors. Finally, a wooden boardwalk built along the water's edge will link various features of the development and provide more space for recreational activities and sightseeing. The plan protects local vegetation and wildlife through different naturalization efforts and will, over the long term, generate income for the City of Burlington.



Honourable Mention (\$300) – Ecocentric

Dannah Links, Denise Poon - University of Guelph

Ecological education is the focus of this student entry, which seeks to create learning opportunities for students at all levels through onsite labs, an outdoor classroom and submerged aquarium. Additionally, Ecocentric's plans include steps to create deep water fish habitats, protected fish breeding and feeding bays, and various woodland areas – all with a goal to optimize conditions for the long-term sustainability of native plant and animal species. Located in one of Canada's smallest and most biologically diverse ecozones, the region is home to 25 per cent of species at risk. This accounts for the aim to minimize human impact. To that end, only part of the site will be available to visitors who will otherwise have access to new trails, raised lookouts, outdoor seating, interpretive signage and other human-use amenities.