

PROJECT INFORMATION

The Sturk Quarry Expansion Project (the Project) is proposed by Prospect Industrial Equipment Sales and Rentals Limited (the Proponent). The Proponent is a locally based company that has been serving Annapolis Valley for over 43 years and has operated the existing Sturk Quarry since 2013. The Project will be located at the current quarry site, in Morristown, Kings County (Drawing 1, attached), with the Project's center located at UTM coordinates (zone 20N) 360501, 4979780.

The Project will expand quarry operations to the south of the existing quarry boundary, resulting in an expansion of up to 52.9 ha. Currently, Sturk Quarry produces aggregate materials, including sand, gravel and crushed stone, which are used in local construction projects such as roads, buildings, and industrial development.

The primary benefit of the Project is to support the continued production of aggregate to meet existing and anticipated future demand within the region.

Aside from the larger site footprint, no increases in the scope or frequency of quarry activities (e.g., blasting, crushing, hauling) are expected compared to current operations.

Key Details

- Quarry Location: 568 Canaan Road, Morristown, Kings County, Nova Scotia
- Current Nova Scotia Environment and Climate Change (NSECC) Industrial Approval: 2013-085441-01
- Current NSECC Approved Quarry Footprint: 4 hectares
- Proposed Expansion Area: 52.9 ha

CURRENT QUARRY OPERATIONS SUMMARY

Current operations at the Sturk Quarry include rock blasting, stone crushing, material stockpiling, and the transportation of aggregate products. A portable asphalt plant is also operated on the site. At present, the quarry produces approximately 10,000 to 15,000 tonnes of asphalt and between 60,000 and 70,000 tonnes of gravel annually.

Typical quarry activity schedule:

- Drilling and blasting rock once a year
 - Scheduled for the months of April or May and carried out over a period of approximately two weeks
- Material processing (June – December)
 - Includes crushing, stockpiling, sorting, and weighing of materials
- Trucking and hauling
 - Occurs year-round on an as-needed basis

MI'KMAQ OF NOVA SCOTIA

The nearest Mi'kmaq community to the Project is the Annapolis Valley First Nation (Kampalijek). The Cambridge Indian Reserve (No. 32) is located approximately 15 km northeast of the Project.

Letters of invitation to participate in an engagement opportunity related to the Project were sent to all 13 of the Nova Scotia Mi'kmaq communities in Nova Scotia, as well as the Kwilmu'kw Maw-klusuaqn negotiation office (KMK), and the Native Council of Nova Scotia. To date, the proponent has received correspondence from KMK and has conducted a virtual meeting to review the quarry operations and the Project.

POTENTIAL ENVIRONMENTAL IMPACTS AND MITIGATIONS

The development of the Project will occur gradually over a period of approximately 40 years.

Air Quality and Dust

Project activities will generate dust and emissions from trucks and equipment. Dust will be mitigated through standard control measures such as water or approved dust suppressant. Emissions will be mitigated by limiting idling and incorporating the shortest transport routes where possible.

Noise

Noise will be generated from drilling, blasting, crushing, and general quarry operations. Mitigation measures will include:

- Use of noise suppression features on equipment and vehicles, where feasible.
- Scheduling drilling and blasting activities during daytime hours only, in accordance with an approved blasting plan.

Groundwater

Quarrying will remain above the water table. No significant changes to groundwater quantity or quality are anticipated. The Proponent will develop and implement a groundwater monitoring plan as outlined in their Industrial Approval.

Surface Water, Fish and Fish Habitat

The Project has been designed to avoid direct impacts to all watercourses and fish habitats on the property. Surface water runoff is expected to remain largely unchanged, and no negative effects on nearby fish or their habitat are anticipated. Protective measures will include:

- Implementation of an Erosion and Sediment Control Plan.
- Maintenance of a minimum 30 m vegetated buffer between quarry activities and watercourses.
- Development and implementation of a blast management plan to prevent fish injury or mortality.

Vegetation and Wetlands

The Project has been designed to avoid direct impacts to wetlands where possible. No Species at Risk (SAR) plants or lichens were identified during the surveys. A total of 18 wetlands were field verified within the Study Area, of those, 12 wetlands have the potential to be altered within the Project Development Area. The maximum amount of wetland that may be impacted by the Project Development Area is 16,506 m². Vegetation and wetland disturbances will occur gradually as the quarry expands. Where avoidance of wetlands is not possible:

- A Wetland Alteration Approval will be obtained prior to disturbance.
- A wetland monitoring program will be implemented.
- Habitat compensation will be provided, as required.

Areas not needed for active operations will remain undisturbed.

Wildlife

Potential effects on wildlife include habitat loss and disturbance from noise and activity. Wildlife observed during field surveys included white-tailed deer, red fox, and raccoon. The site is not located within mainland moose habitat, and no signs or observations were observed during surveys. No bats were observed onsite or during the bat maternity roost survey. Two avian SAR species were observed during surveys: the Eastern wood-pewee and the Canada warbler. Mitigation measures will include:

- Scheduling vegetation clearing and grubbing outside of the breeding bird season, where feasible.
- Developing and implementing of a Wildlife Management Plan.

Heritage Resources

Qualified archaeologists conducted a thorough desktop and field assessment of the Project. They found two areas of high potential for Mi'kmaq archaeological significance. Results were submitted for approval to Nova Scotia Communities, Culture, Tourism, and Heritage (NSCCTH) as an Archaeological Resource Impact Assessment. The Project has been developed to avoid those areas.

Socioeconomic Environment

The Project will create jobs and economic benefits for local communities. People living and working in the vicinity of the Project are unlikely to see the Project due to the flat topography and tall vegetation in the area. Impacts on nearby property values are unlikely to be impacted.

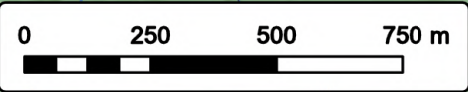
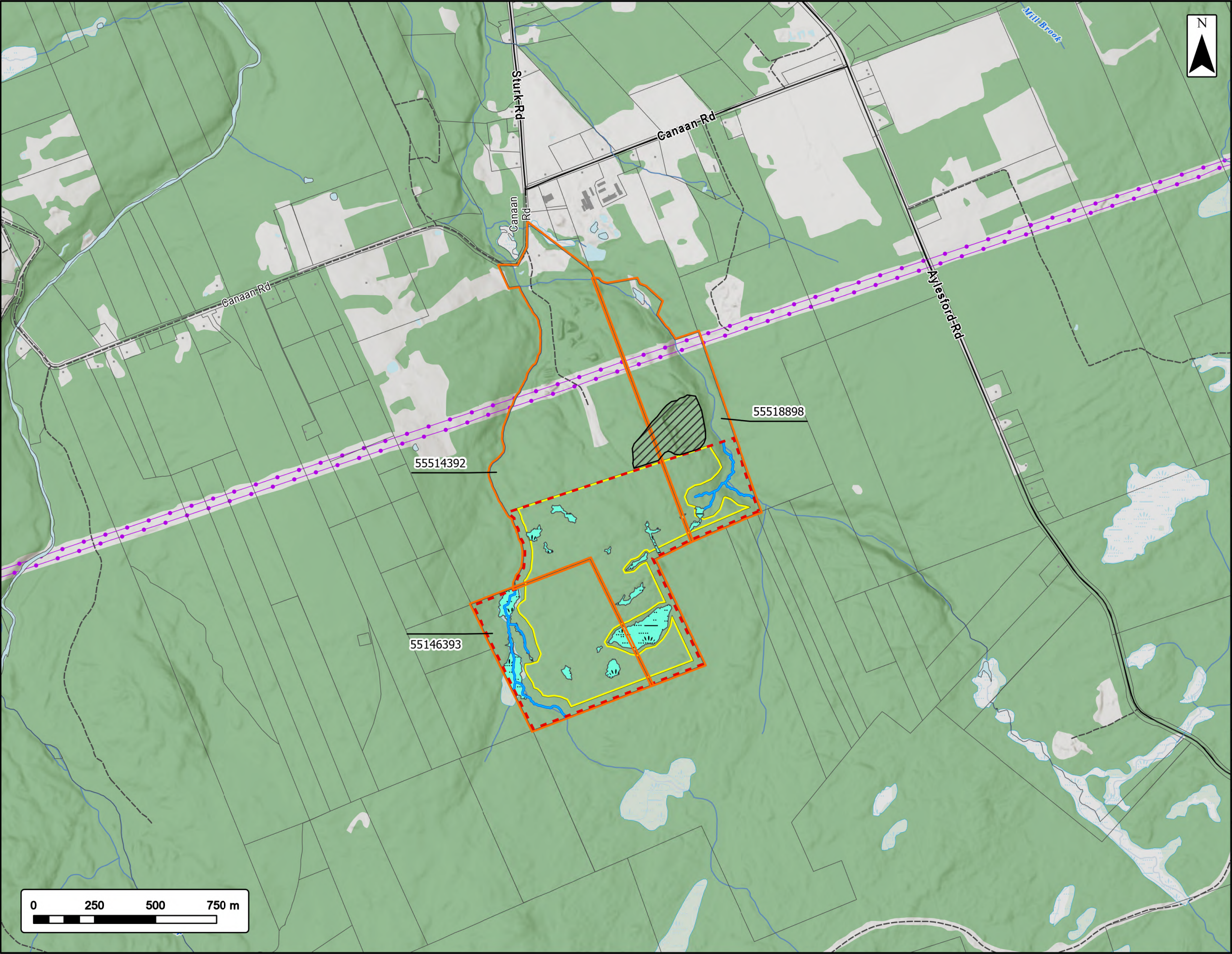
Cumulative Effects

A cumulative effects assessment was conducted using publicly available from the Environmental Assessment Projects Dashboard and placed a 5 km radius around the Study Area. As there are no registered projects on that dashboard that have been approved or constructed within the past 10 years, cumulative effects are not expected.

CONCLUSION

The Sturk Quarry Expansion Project's potential effects on the environment were carefully assessed through the Environmental Assessment process, and it was determined that impacts are expected to be minor and not significant. The Project will mitigate any environmental effects through comprehensive management plans, compliance with environmental regulations, and any offsetting measures as required.

The Proponent will continue to engage with the local community, regulatory agencies, and the Mi'kmaq of Nova Scotia, ensuring transparency on the Project is maintained and any potential issues or concerns are addressed.



Sturk Quarry Expansion

Project Area

Prospect Industrial Equipment Sales and Rentals Limited

Study Area

Project Development Area

Property Boundary

Property Lines

Existing Quarry Boundary

Field Assessed Watercourse

Field Assessed Wetland

Transportation

Road

Unpaved Road

Utilities (Line)

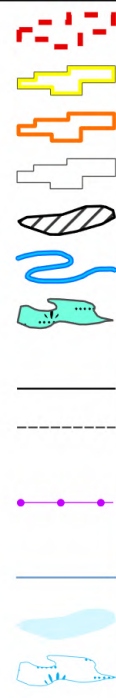
Existing Transmission Lines

Water Features

Mapped Watercourses

Mapped Lakes and Rivers

Mapped Wetlands





Coordinate System: NAD 1983 CSRS UTM Zone 20N
Sources: Esri, NASA, NGA, USGS, GeoNOVA, NSNRR, ACCDC, IBA Canada, CNWI, HERE, Garmin

Date:	2026-06-30	Project #:	24-10948
Scale:	1:15,000	Drawing #:	1
Drawn By:	P. Opra		
Checked By:	K. O'Neill		



S:\Strum Project Files\2024 Files\24-10948\Drawings\ArcGIS Drawings\EA\DESKTOP\24-10948_SturkQuarryExpansion_EA_DESKTOP\24-10948_SturkQuarryExpansion_EA_DESKTOP.aprx