Aggregate Resource Assessment and/or Aggregate/Mineral Resource Analysis

PURPOSE:

This document provides guidance for the preparation of an Aggregate Resource Assessment and/or Aggregate/Mineral Resource Analysis, which may be required for the submission of an application under the *Planning Act*. All Aggregate Resource Assessments and/or Aggregate/Mineral Resource Analyses shall follow the guidelines contained in this document.

An Aggregate Resource Assessment and/or Aggregate/Mineral Resource Analysis provides information to assess the aggregate resources within a specified area, and to evaluate whether a proposal complies with Provincial and Municipal policies for aggregate resources. The key intent of policy directions for aggregate resources is to ensure that long-term resource supply is protected.

An assessment may be required for a development proposal located within greenfield areas or rural areas within the City of Hamilton, where a potential impact on aggregate resources has been identified.

PREPARED BY:

The Aggregate Resources Assessment and/or Aggregate/Mineral Resource Analysis must be prepared by a Registered Professional Planner (RPP) or a similar professional experienced in aggregate resources.

CONTENTS:

The terms of reference for an Aggregate Resource Assessment and/or Aggregate/Mineral Resource Analysis are to be confirmed through a pre-study consultation with Development Planning staff. The content of an Aggregate Resource Assessment and/or Aggregate/Mineral Resource Analysis may vary, but must include the following key components:

Introduction/Background

- The introduction should include a description of the proposal and other relevant studies or applications related to the proposal.

Identification and Description of Aggregate Resources within Study Area

- This should include mapping of where resources are located and information about the type of resource(s), the quality of the resource(s), and the size of the resource(s). The description should also note how much of the resource is located on the subject lands compared to the overall inventory in the City of Hamilton.
- Reports should utilize the *Aggregate Resources Inventory of the City of Hamilton, Southern Ontario*, *Paper 181*, prepared by the Ontario Geological Survey (2010).[i]
- If a Soils/Geotechnical Study has been completed, the Soils/Geotechnical Study findings should also be explained.

Policy and Planning Analysis

- The analysis should include a review of all relevant Provincial policies and Municipal Official Plan policies (Rural Hamilton Official Plan and/or Urban

Hamilton Official Plan) which provide direction for aggregate resources, and how the proposal aligns with these policies.

- Key provincial policies include Section 4.5.2 of the Provincial Planning Statement (2024) (PPS) which states that:
- "Mineral aggregate operations shall be protected from development and activities that would preclude or hinder their expansion or continued use or which would be incompatible for reasons of public health, public safety or environmental impact." (PPS, Policy 4.5.2.4); and,
- "In known *deposits of mineral aggregate resources* and on *adjacent lands*, *development* and activities which would preclude or hinder the establishment of new operations or access to the resources shall only be permitted if:
    - resource use would not be feasible; or
    - the proposed land use or development serves a greater long-term public interest; and
    - issues of public health, public safety and environmental impact are addressed." (PPS, Policy 4.5.2.5) [ii]

Summary/Recommendations

- The summary should include an overview of the main findings of the report and recommendations relating to the proposal.

OTHER INFORMATION:

Ontario Aggregate Resources website:

https://www.ontario.ca/page/aggregate-resources

Ministry of Mines Geology Ontario Database:

Geology Ontario

REVIEWED AND APPROVED BY:

Development Planning, Planning and Economic Development Department.

An Aggregate Resource Assessment and/or Aggregate Mineral Resource Analysis may also require a peer review.

CONTACT:

Development Planning, Planning and Economic Development Department

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REFERENCES:

[i] Marich, A.S. 2010. *Aggregate resources inventory of the City of Hamilton, southern Ontario; Ontario Geological Survey, Aggregate Resources Inventory Paper 181*, 40p

[ii] Ministry of Municipal Affairs and Housing. (2024). Provincial Planning Statement. Toronto: Author.