

City of Whitehorse DRAFT Mineral Exploration and Development Framework

| | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Tier 5 |
|--|--|---|--|--|--|
| Intent | Low Impact Exploration No trail or road construction | Low Impact Exploration No trail or road construction | Medium Impact Exploration Some trail or road construction | High Impact Exploration | Mine Development |
| Approved Project Methods | <ul style="list-style-type: none"> • Low-impact drilling techniques only • Less than 10 days per pad • Drilling equipment must be mounted on a rubber-tracked vehicle • Supporting vehicles and equipment must be rubber-tracked or, if wheeled, remain on the road • ATVs, UTVs, and snowmobiles may be used for access | <ul style="list-style-type: none"> • Low-impact drilling techniques only • Less than 20 days per pad • Drilling equipment may be skid-mounted, track-mounted, or truck-mounted • Supporting vehicles and equipment must be track-mounted or remain on the road or pre-existing trails | <ul style="list-style-type: none"> • Low-impact drilling techniques only • Less than 20 days per pad • Drilling equipment may be skid-mounted, track-mounted, or truck-mounted • Supporting vehicles and equipment must be track-mounted or remain on the road or pre-existing trail | <ul style="list-style-type: none"> • Exploratory drilling of any form may take place by any means, provided the method complies with Yukon Territorial laws | <ul style="list-style-type: none"> • Mining (the removal and processing of rock or minerals) is allowed, provided the operations comply with Yukon Territorial laws |
| Cutting | <ul style="list-style-type: none"> • Limbing and brushing permitted • No cutting of trees with a stump diameter over 10 cm | <ul style="list-style-type: none"> • Limbing and brushing permitted • No cutting of trees with a stump diameter over 10 cm | <ul style="list-style-type: none"> • Limbing and brushing permitted • No cutting of trees with a stump diameter over 20 cm | <ul style="list-style-type: none"> • Cutting and clearing permitted up to 2 hectares | <ul style="list-style-type: none"> • Determined by the Development Permit |
| Permitting Requirements | <ul style="list-style-type: none"> • Pre- and Post-Site Inspection Reports must be completed by the applicant and submitted to a Development Officer | <ul style="list-style-type: none"> • Pre- and Post-Site Inspection Reports must be completed by the applicant and submitted to a Development Officer | <ul style="list-style-type: none"> • Pre- and Post-Site Inspection Reports must be completed by the applicant and submitted to a Development Officer • Inspections required on a bi-weekly basis throughout the drilling project | <ul style="list-style-type: none"> • Pre- and Post-Site Inspection Reports must be completed by a Development Officer • Inspections required on a bi-weekly basis throughout the drilling project | <ul style="list-style-type: none"> • To be determined |
| Development Permit Requirements | <ul style="list-style-type: none"> • Temporary Use Permit | <ul style="list-style-type: none"> • Temporary Use Permit | <ul style="list-style-type: none"> • Temporary Use Permit | <ul style="list-style-type: none"> • Official Community Plan amendment • Zoning Bylaw amendment | <ul style="list-style-type: none"> • Official Community Plan amendment • Zoning Bylaw amendment |
| Official Community Plan Land Use Designation | <ul style="list-style-type: none"> • All designations outside of the Urban Containment Boundary, except Greenspace | <ul style="list-style-type: none"> • All designations outside of the Urban Containment Boundary, except Greenspace and Future Planning | <ul style="list-style-type: none"> • Industrial • Natural Resource Extraction | <ul style="list-style-type: none"> • Natural Resource Extraction | <ul style="list-style-type: none"> • Natural Resource Extraction |
| Zoning Bylaw | <ul style="list-style-type: none"> • All zones | <ul style="list-style-type: none"> • All zones | <ul style="list-style-type: none"> • All zones | <ul style="list-style-type: none"> • Only in a new, proposed zone: “OME – Mineral Exploration” | <ul style="list-style-type: none"> • Only in a new, proposed zone: “OMD – Mine Development” |
| Exploration Permit Requirements | <ul style="list-style-type: none"> • Minimum: Class One Permit | <ul style="list-style-type: none"> • Minimum: Class One Permit | <ul style="list-style-type: none"> • Minimum: Class One Permit | <ul style="list-style-type: none"> • Minimum: Class Three Permit | <ul style="list-style-type: none"> • Minimum: Class Four Permit |
| Project Duration Maximum | <ul style="list-style-type: none"> • 3 months | <ul style="list-style-type: none"> • 6 months | <ul style="list-style-type: none"> • 1 year | <ul style="list-style-type: none"> • 4 years | <ul style="list-style-type: none"> • Determined by the Development Permit |
| Development Review and First Nations Review | <ul style="list-style-type: none"> • Not required | <ul style="list-style-type: none"> • Required | <ul style="list-style-type: none"> • Required | <ul style="list-style-type: none"> • Required | <ul style="list-style-type: none"> • Required |
| Additional Requirements: Tier-Specific | <ul style="list-style-type: none"> • The site shall be remediated to its pre-site condition • Test pits shall be filled in to their preexisting grades, and checked for slumping the following year • Tier 2 methods may be used under a Tier 1 notification, provided drilling takes place between December 1 and February 28 | <ul style="list-style-type: none"> • The site shall be remediated to its pre-site conditions • Test pits shall be filled in to their preexisting grades, and checked for slumping the following year | <ul style="list-style-type: none"> • The site shall be remediated to its pre-site condition, unless otherwise directed by the City Engineer • Test pits shall be filled in to their preexisting grades, and checked for slumping the following year • Trail construction may be permitted, on a case-by-case basis by the City Engineer | <ul style="list-style-type: none"> • Trail construction may be permitted, on a case-by-case basis by the City Engineer | |
| Additional Requirements for All Tiers | <ol style="list-style-type: none"> 1. All drilling activities must comply with all applicable Yukon Territorial laws. 2. No exploration activities shall be permitted within: <ol style="list-style-type: none"> a. 500 m of a permitted dwelling unit b. 200 m of a naturally occurring watercourse 3. A spill response plan must be submitted if onsite fueling is taking place 4. All holes drilled to a depth of 25 m or more shall be backfilled to the bottom of the hole, or to a depth of 100 m, whichever is less. | | <ol style="list-style-type: none"> 5. Holes shall be filled with a suitable cement, grout, concrete, bentonite, or equivalent commercial slurry, or slay slurry, impervious water well cuttings, or impervious overburden materials. Fill must be introduced at the bottom of the hole and placed progressively upwards, unless it is designed and manufactured for the purpose of being introduced into the water well from the ground surface. 6. The City may inspect any permitted exploration program without prior notice given to the proponents. | | |
| Definitions | <ul style="list-style-type: none"> • Low impact: A program that does not require any alteration of the landscape • Medium impact: A program that requires tree clearing, and significant occupation of land • High impact: A program that requires earth-moving, tree clearing, and significant occupation of land | <ul style="list-style-type: none"> • Exploratory drilling: A form of drilling with the intent of discovering the mineral potential of a given area | <ul style="list-style-type: none"> • Skid-mounted: Equipment mounted on a skid intended to be pushed or pulled • Rubber-tracked: A vehicle with self-propelled rubber tracks that produces no more than 28 Kilopascals | <ul style="list-style-type: none"> • Pre-existing trail: A trail that was in place prior to the application being made, that is not otherwise slated for deactivation • A trails classification shall be the discretion of the manager of parks | |