

GLOSSARY

Active I Channel	A watercourse with perennial flow, discernible banks and substrate, and a drainage area less than 1,000 km ² . In winter, it might be partially frozen to the bottom because of groundwater input, beaver activity, or large pools and deep water.
Active II Channel	A watercourse with intermittent flow, discernible banks and substrate, and a drainage area less than 1,000 km ² . In winter, it is frozen to the bottom or dry below the ice surface.
APG	The abbreviation for Aboriginal Pipeline Group.
area features	Features whose spatial extents are defined by an area, i.e., a polygon.
baseline	A surveyed condition that serves as a reference point to which later surveys or assessments are coordinated or correlated.
data band	Rows or bars that contain text on the environmental alignment sheets, above and below the photo-mosaic.
denning site	A location where a bear creates its den.
ecological zone	A regional ecological area used on the Mackenzie Gas Project to describe regional vegetation differences based on changes in climate, physiography, terrain, soil and permafrost with increasing latitude along the Mackenzie Valley. Also known as <i>ecozone</i> .
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environmental alignment sheets	Photography (photomosaic) based strip maps that illustrate project footprint, environmental setting, potential environmental issues and protection or mitigation measures for any given location along a linear development, e.g., pipeline or access road.

environmental effect	<p>For a project, any change that the project might cause in the environment. Also, any effect of any project-induced change on:</p> <ul style="list-style-type: none">• health and socio-economic conditions• physical and cultural heritage• the current use of lands and resources for traditional purposes by aboriginal people• any structure, site or thing that is of historical, archaeological, paleontological or architectural significance <p>Also, any change to the project that might be caused by the environment.</p>
feature	<p>A representation of a real-world object in a layer on a map.</p>
fine-grained	<p>A combination of well stratified clay, silt and fine sand.</p>
gas pipeline	<p>The proposed gas pipeline that would extend from the Inuvik area facility, parallel to the NGL pipeline along the Mackenzie River to Norman Wells, and continue south to connect to an extension of the existing Alberta system south of the Northwest Territories–Alberta boundary. Also known as the <i>Mackenzie Valley Pipeline</i>.</p>
gathering pipelines	<p>Four pipelines, also known as laterals, that transport natural gas and NGLs from the anchor fields to the Inuvik area facility. These include the Niglintgak lateral, Taglu lateral, Parsons Lake lateral and Storm Hills lateral.</p>
gathering system	<p>A system of pipelines and associated facilities that include four gathering pipelines, the Inuvik area facility, the NGL pipeline and related facilities, such as valves, pig launchers and receivers.</p>
habitat	<p>The place or environment where a plant or animal naturally and normally lives and grows.</p>
heritage resources	<p>Cultural, historic, archaeological and paleontological resources, including pre-contact and post-contact features.</p>

horizontal directional drilling	A trenchless technique used in pipeline construction in which the pipe is installed beneath a riverbed, road, slope or other obstacle to avoid disturbances at the surface. An inverted arc-shaped hole is drilled beneath the obstacle and the preassembled pipeline is pulled back through it.
Inuvik area facility	The processing facility to be located near Inuvik where gas and liquids will be processed and separated, then delivered to the gas and NGL pipelines.
ice content	The weight of ice divided by weight of dry soil. Large amounts of ice in the soil can result in ice contents exceeding 100%.
index map	In the context of this project, a 1:250,000 scale map showing the location and number of each alignment sheet along the pipeline right-of-way.
isolated crossing technique	A method of installing a section of pipeline through a watercourse that involves diverting the water flow from upstream of the right-of-way to downstream of the right-of-way.
kilometre post	A marker for each kilometre along the centreline of the right-of-way used for reference points.
KP	The abbreviation for kilometre post.
landform	The various shapes of the land surface resulting from a variety of actions such as deposition or sedimentation (eskers, lacustrine basins), erosion (gullies, canyons) and earth crust movements (mountains).
lateral	A gathering pipeline that connects the production area facilities to the Inuvik area facility.
linear corridor	A corridor of a specified width that contains the right of way for a linear feature. A linear feature is a feature that would be represented as a line on a map, e.g., pipeline, power line or road, that has width on the ground.
matchline	A line that marks the point at which one alignment sheet ends and the next alignment sheet begins.

mitigation	The elimination, reduction, or control of a project's adverse environmental effects, including restitution for any damage to the environment caused by such effects through replacement, restoration, compensation or other means.
mixedwood forest	A forest that includes deciduous and coniferous trees.
muskeg	A peat bog or tussock meadow, with variably woody vegetation, often occurring in areas of permafrost.
natural gas liquids	Hydrocarbons that are gaseous in the reservoir, but that will separate out in liquid form at the pressures and temperatures at which separators normally operate. The liquids consist of varying proportions of butane, propane, pentane and heavier fractions, with little or no methane or ethane.
NGL	The abbreviation for natural gas liquid.
NGL pipeline	The pipeline connecting the Inuvik area facility with the Enbridge Pipeline facilities at Norman Wells.
NGTL	The abbreviation for NOVA Gas Transmission Ltd.
Niglintgak field	The anchor field to be developed by Shell Canada Limited, which includes three well pads, one gas conditioning facility, flow lines and supporting infrastructure. The gas conditioning facility might be barge-based or land-based.
Niglintgak lateral	The gathering pipeline connecting the Niglintgak gas conditioning facility to a connection point on the Taglu lateral at the outlet of the Taglu gas conditioning facility.
orthophotograph	An aerial photograph that has been manipulated or rectified in order to reduce distortions from camera tilt and terrain relief.
overview map	In the context of this project, a 1:4,500,000-scale map showing the location and number of 1:250,000-scale index maps for the pipeline corridor and production area.
Parsons Lake field	The anchor field to be developed by ConocoPhillips Canada (North) Limited and ExxonMobil Canada Properties. Initially, the field will consist of the north pad, which will have one pad for the well sites and gas conditioning facility. A second well pad will be developed five to 10 years after the north pad.

Parsons Lake lateral	The gathering pipeline connecting the Parsons Lake gas conditioning facility to a connection point at the Storm Hills pigging facility.
photomosaic	An assemblage of overlapping aerial photographs or satellite images, or a combination of both products, in printed or digital form, whose edges have been matched to form a continuous pictorial representation of a portion of the Earth's surface.
pipeline corridor	The 1-km-wide area that centres on the combined right-of-way for the gas and NGL pipelines, from the Inuvik area facility south to the NGTL interconnect facility in Alberta, defined for the purpose of the EIS biophysical baseline and effects assessment studies.
point features	Features whose spatial extents are defined by a single point, e.g., tower or well. In an event table, a point feature's start and end measure (KP) would be the same.
project proponents	The five organizations (Imperial Oil Resources Ventures Limited, the APG, ConocoPhillips Canada (North) Limited, Shell Canada Limited and ExxonMobil Canada Properties) that are undertaking the Mackenzie Gas Project.
project, the	The abbreviation for the Mackenzie Gas Project.
protection measure	An action taken or task performed to reduce or prevent a negative effect to the environment from occurring during construction so it does not have to be responded to or mitigated.
right-of-way	The pipeline easement in which the pipeline will be installed and operated. The pipeline right-of-way width for the project will vary from 30 to 50 m, depending on pipe size and the number of pipes to be installed in the trench.
spawning habitat	Habitat selected by fish for spawning.
Storm Hills lateral	The gathering pipeline connecting the Storm Hills pigging facility to a connection point at the inlet of the Inuvik area facility.
study area	The area within the spatial boundaries of the scope of the biophysical environmental effects assessment.

Taglu field	The anchor field to be developed by Imperial Oil Resources Limited, consisting of one site that will include the well pads, gas conditioning facility, flow lines and supporting infrastructure.
Taglu lateral	The gathering pipeline connecting the Taglu gas conditioning facility to a connection point at the Storm Hills pigging facility.
traditional resource	Areas or features culturally important to Aboriginal peoples.
tundra	A vast treeless zone, between the ice cap and the tree line of North America and Eurasia, characterized by a short growing season and permanently frozen subsoil. Tundra refers both to the region and the vegetation growing within it.
vegetation theme	A layer or coverage on a map showing features related to vegetation.
vegetation type	A vegetation community or complex of communities that can be identified on air photos and is large enough to map. Vegetation types are clearly defined and named.
watercourse	A natural or artificial channel with perennial or intermittent flow and definable bed and banks.
watercourse crossing	A location where a pipeline crosses a watercourse such as a river or stream.
water crossing	A location where a pipeline or access road crosses a stream, river or lake.