

APPENDIX N

Open House - Information Handout

ENVIRONMENTAL ASSESSMENT

The purpose of an environmental assessment is to identify the potential environmental and socio-economic effects associated with a project. The environmental assessment for the Trans Labrador Highway - Phase III must fulfill the requirements of the:

- Newfoundland and Labrador *Environmental Protection Act*; and
- *Canadian Environmental Assessment Act*.

Environmental studies being carried out for the environmental assessment include studies on:

- historic resources;
- resource use and users;
- caribou;
- migratory birds;
- raptors;
- fish and fish habitat;
- rare plants; and
- acid generating rock.

Environmental management and protection commitments include:

- following all federal and provincial regulatory requirements;
- following DWST environmental specifications;
- preparing an Environmental Protection Plan;
- having an environmental surveillance officer;
- conducting environmental awareness sessions for all DWST, contractor and subcontractor employees;
- rehabilitating all camp, laydown and borrow sites not required during operation; and
- conducting environmental compliance monitoring.

ISSUE SCOPING AND STAKEHOLDER CONSULTATION.

Issues and concerns are used to focus an environmental assessment. As part of its issues scoping, DWST will hold four open houses to inform the public about the project, and identify issues and concerns. Consultation will also be carried out with:

- Aboriginal peoples and organizations;
- municipal councils;
- business and economic development organizations; and
- regulatory agencies and departments.

Preliminary subjects identified to date:

- geology and geomorphology;
- wetlands;
- water resources;
- caribou;
- furbearers;
- migratory birds and raptors;
- fish and fish habitat;
- species at risk;
- historic resources;
- resource use and users;
- proposed Mealy Mountain National Park;
- tourism and recreation; and
- employment and business.

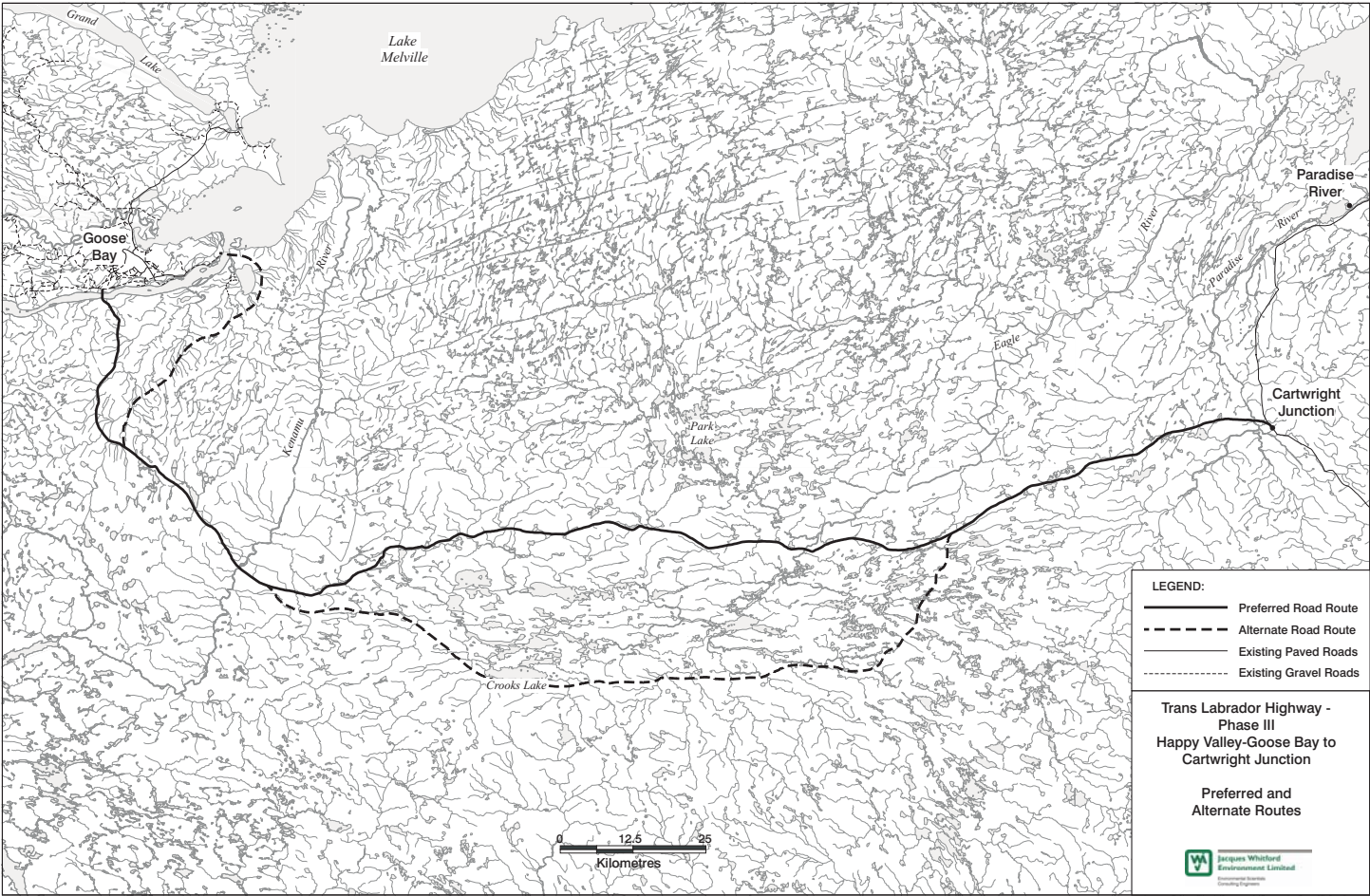
This preliminary list will be refined as the environmental assessment progresses.

For further information or comments, please contact:

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TRANS LABRADOR HIGHWAY - PHASE III
(HAPPY VALLEY-GOOSE BAY TO CARTWRIGHT JUNCTION)



THE PROJECT

The Department of Works, Services and Transportation (DWST) is proposing to construct a 250 km highway between Happy Valley-Goose Bay and Cartwright Junction, Labrador. This highway will be the final link in an all-season, ground transportation route across Labrador.

Preferred Routing - Phase III

The highway begins east of Muskrat Falls and crosses the Churchill River at Black Rocks about 9 km west of Hamilton Intersection in Happy Valley-Goose Bay. It then extends about 75 km to the southeast before turning to the northeast for a distance of 175 km to Cartwright Junction (87 km south of Cartwright).

Alternative Routing - Phase III

Alternative 1 - The highway would begin to the east of Happy Valley-Goose Bay with a bridge and causeway across the Churchill River at English Point. It would then extend southwest for about 50 km before joining the preferred route. This alternative would add an extra 26 km to the preferred route.

Alternative 2 - This is an alternative 144 km section of highway that would begin about 67 km from the start of the preferred route. It would then proceed south of Crooke Lake and extend east to rejoin the preferred route. This alternative would add an extra 18 km to the preferred route.

HIGHWAY DESIGN

The Trans Labrador Highway - Phase III will be similar to sections completed for Phases I and II. It will be constructed to a Rural Collector Undivided standard and will have a posted speed limit of 70 km/hr.

The highway right-of-way will be 40 m. However, the clearing width will be 30 m and this will be reduced, where possible, around watercourses. The grubbing, ie., removing vegetation material, width will be 20 m. The surface width of the highway will be 9.5 m.

Highway signage will meet set standards. Intersections will be designed according to Roads and Transportation Association of Canada standards and will meet turning standards for tractor trailers. Detailed design and engineering for Phase III are ongoing.



CLEARED RIGHT-OF-WAY - PHASE II



COMPLETED SECTION OF TRANS LABRADOR HIGHWAY - PHASE II

HIGHWAY CONSTRUCTION AND OPERATION

Construction for the Trans Labrador Highway - Phase III will start at Happy Valley-Goose Bay and Cartwright Junction. Construction will occur between 2003 and 2008. It will be conducted from mid-May to the end of November each year.

Construction will involve:

- land surveying;
- establishing laydown areas, borrow pits and temporary camps;
- right-of-way clearing;
- grubbing;
- subgrade construction;
- surface construction;
- watercourse crossing structures; and
- clean-up and rehabilitation.

The highway will be a permanent, year-round highway. Maintenance depots will be established, as appropriate, for storing equipment such as graders, trucks and snowplows. Maintenance activities will include:

- grading;
- ditch clearing;
- guide rail and sign repairs;
- regular watercourse crossing and drainage structure inspection;
- snow clearing; and
- ice control (with sand).

WATERCOURSE CROSSINGS

There are approximately 100 watercourse crossings along the proposed highway route. Most crossings will feature steel culvert pipes, arch pipes and multi-plate arch pipes (with or without bottoms). These structures will be designed to accommodate normal flow, storm drainage, snowmelt and fish passage.



CULVERT CROSSING

Bridges will be installed at major river crossings such as:

- Churchill River;
- Traverspine River;
- Kenamu River;
- Paradise River; and
- a tributary of the Eagle River.



BRIDGE AT MARY'S HARBOUR

ASSI KANANTUSSENITAKANT

Umue kuet nantussenitakant assi tan eshi pikunikant kie ma tan eshi uitshitshit auen umue uatutamat meshkinau. Umue kuet nantussenitakant assi tan eshi pikunikant kie ma tan eshi uitshitshit auen umue uatutamat meshkinau.

- *Newfoundland and Labrador Environment Protection Act*; mak
- *Canadian Environmental Assessment Act*.

Eukun umuenua tsheuaitakanitshi kie tshentussenitakantshi:

- shashish kaitapishtakant assi, kie mishtukua, kie ashini
- tan etapishtakant assi kie auentshent iapishtant nenu assinu
- attikut
- shishipit, niskat, muakut,
- mitshishut
- nameshat kie nte uet iniuit
- uapukuna kakanitautshiki shuk ute assit
- natukun kamitshikaut ashinit kantautshik

Utshimaut kanakituatak assinu kie katshispeuatak assinu ishituenitamutumuenu:

- Kassinu tshika nakatuenitamut tshekuanu Tshisheutshimau kaitistantshi mashineikanu
- Nikaui nashatenen ne utshimau kaishituentak meshkinanu tshetshi ishinakuanit ne utshimau kaishinikatakant, Department of Works, Services and transportation.
- Nika uiuauitenan ne assi tshipa ishinakituatakanu
- Tshika tau utshimau auen tshenakituatak assinu
- Kassinu tshika uaitumuakanut assinu espitentakunit nutam kaitusset kie tshent kaituskuat Tshisheutshimau
- Tshika nakituapamakanut nutam kaitusset tshetshi nashatak utitisseunauu
- Nutam tshika neikakinu kaiapistakant assi tshishiapistakantshi

Etitu uinantussenitameku tshekuan nte tshemituetaieku:

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TSHEISHINANTUSSENITAKANT UMUE ATUSSEUN KIE TSHIKA UITUMUAKANUT UTSHIMAUT

Kassinu niuipetuanant tan etentak kie tan eshustuentak auentshent. Eukun kuet umue shemimat neu mitshuapa tshetshi uitumuakanit kassinu auentshent ne atusseun meshkinau tshetutakant kie tshetshi petuakanit kassinu auen tan etentakau

- Tshika uaitumuakanut kassinu Innut kie nenua umishinekantshuapuau
- Tshika uaitumuakanut kassinu utshimaut ante akinishat tetshe
- Tshika uaitumuakanut kaitusset akinishaut
- Tshika uaitumuakanut ntshent utshimaut katapuetak tshekuanu eshku eka tshitshipinanut

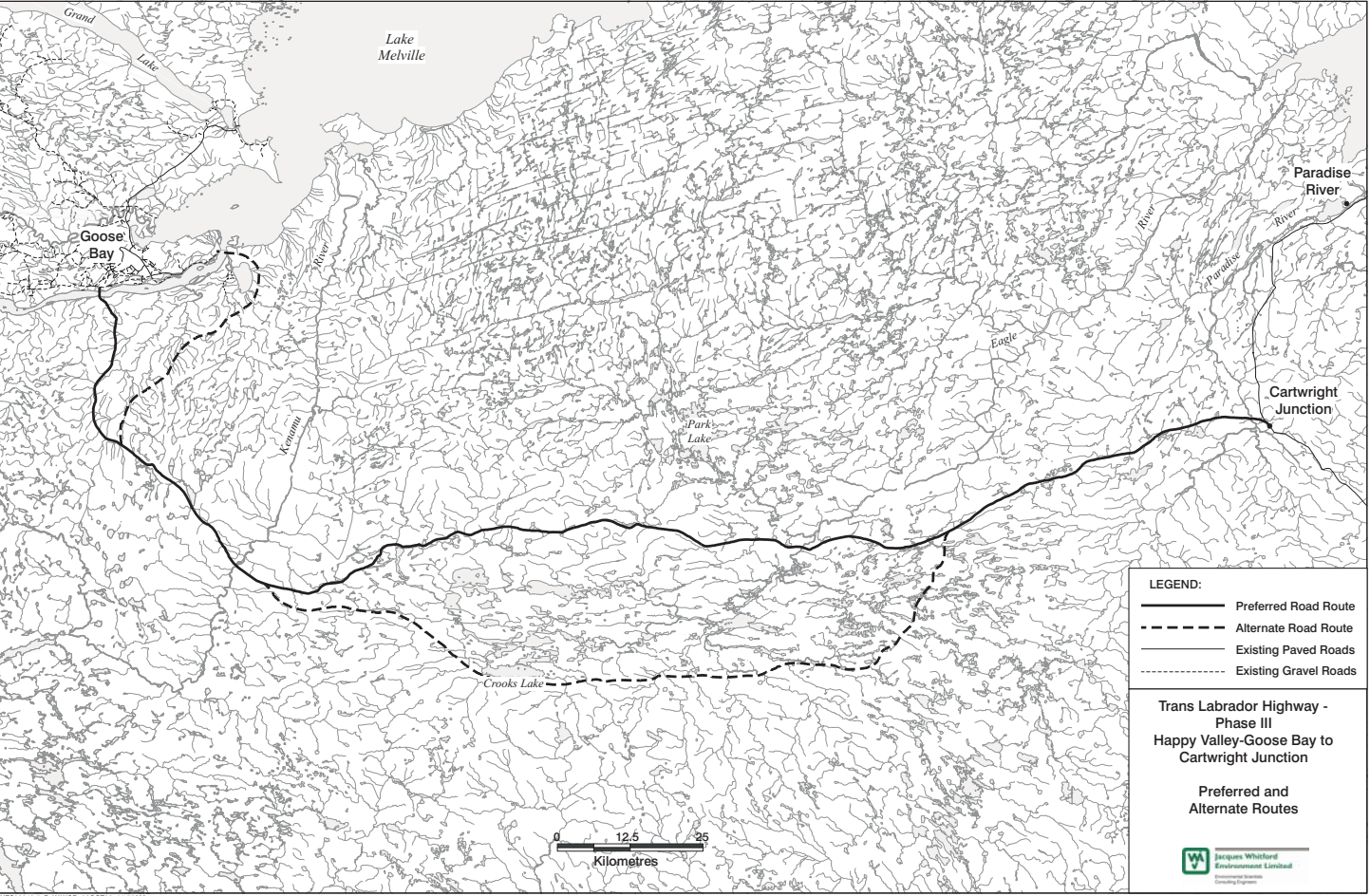
Eukun umuenua ushkat tsheuaitakanitshi anutshish:

- ashinia kie tan tshe ishinakuak ashinia nte aishkat
- messekua
- shipua, nipi kie shakeikana
- attikut
- mashkut, utshishkut, atshukut, matsheshut, meikanit
- shishipit, niskat, muakut, mitshishut
- nameshat kie nte uet iniuit
- aueshishat ntshent kakatshi iniuit manekash
- shashish kaitapishtakant assi, kie mishtukua, kie ashini
- tan etapishtakant assi kie auentshent iapishtant nenu assinu
- ne kauaitakant tshetshi tutakant tshekuan nete Tshenuameshipit
- kapamipanit kie kauauatakau tshekuanu ntshent akinishaut; mak
- atusseuna tshetshitshipinikau

Umuenua tsheuaitakantshi passe tshekuan muk tshipa tshi atinikanua mekuat etuskatet meshkinau

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Mista Paushtuk meshkinau - Kutak tshetutakant - Phase III
(Ute ut Apipani mak nete ishpish Nutapineuant)



NE ATUSSEUN

Ntshent Department of Works, Services and Transportation (Meshkinanu kaitushkatak) nantuenitamut tshetshi tutak meshkinanu nete ut Apipani mak nete ishpish Nutapineuant ute tshitassiat. Umue meshkinau tshetutakant eukuan mashten tshe itushkatet nuash tshent tshishtakant. Nete Nutapineuant tsheitamut kie skinapuna tshika apishtakanu ume meshkinau uta tshitassiat.

Eukuan umue eshituenitakant tshetshi itamut meshkinau - Phase III

Ute Mintutshu tshetshitshipant meshkinau nuash tshent tutakant nta mista paustukut shipit uta ut Black Rocks keishinikateua. Nete ishpish ntamint Apipani meshkinau. Nte tshet ishiueuestakant meshkanau nete ut mammit nuash tshet nete tshent ishpinanut mammit Nutapineuant.

Kie ma umue tshipa itamutakanu meshkinau - Phase III

Tshipa ishinakun 1 - uta tshipa tshitshipinanu meshkinau nta ut mammit Apipani nuash tshipa tutakanu ashukan nta Mista paustukut shipit nta English Point. Tshek ne meshkinau tshipa tapitin nete nitamit tshepimimut meshkinau. Etu minekashish ume meshkinau nika itishikenan maka neme kutak meshkinau itimut.

Tshipa ishinakun minuat kutak 2 - Umue kutak tshipa itimu meshkinau. Nete tshipa tshitshapinu nete ushkat kauaitakant tshetshi tutikant meshkinu. Minuat nete tshipa utitikanu ne Crooke Lake tshet nete mammit . Etu iat minekashish tshipa nustakanu ume meshkinu.

MESHKINAU TSHEISHINAKUAK

Miam ne Mista paustuk meshkinau tsheishinakuak nete kauaitakant Phase I mak Phase II. Ne meshkinau tshetutakant nika nashatenan Tshisheutshimau kaishinantuenitak meshkinanu Rural Collector Undivided. Nishuass tatunu (70)km/hr muk tshika iteshteu tshitshe tshishipantain utapan.

Neunu (40)m tshiminikun tshe pimpintain nte episseshimut meshkinau. Tshika tuashkueikanu nete eminashkuaut miam nte pessish etukuak nipi nte meshkinat. Tshika munetshenanu nte assit 20 m tshetshi utinikant assi mak nte iat ussat einakastet 9.5 m meshkinau.

Uasteniman meshkinau tshika iat takuana tshetshi kassinu auen nashatak Kassinu umue tsheishinakuak meshkinau nika nashatenan ne eshitapuetak tshisheutshimau kaishinikatakant Roads and Transportation Association of Canada. Iat kamamamishantshi utapana nika minutanan meshkinanu tshetshi papinikau. Eshku anutshish uauitakanu tshipa etitu ishinakun meshkinau



KATUASSEKEIKANT NTE TSHEPISSESHIMUT MESHKINAU - PHASE II



ESHINAKUAK MISTA PAUSTUK MESHKINAU KATSHISTAKANT - PHASE II

MESHKINAU TSHEISHIUEUESTAKANT KIE TSHETSHI TSHIPINANUT ETUTAKANT

Ne tsheishiueuestakant meshkinau uta Apipani tshika tshitshipinu tshet nete ut tapitik Nutapineuant meshkinau. Ute tshipa tshitshipinanu 2003 mak nete ishpish 2008 mistei tshitashun nete tshipa tshitshipinanu eueuestakant meshkinau eshukum pupun tetaut Nissi-pishum mak nete ishpish skualet Takuatshipishum.

Tshekuan tsheitapishtakant meshkinau ueueshtakantshi:

- assi kantussenitakant
- uenipissish tshika munekanu assi tshetshi apistakant nekau mak tshika tutakanu mitshuap tshetshi nipat kaitusset
- tshika tuassekeikanu tshetshi pisseshimut meshkinau
- tshika muneitshenanu
- assi tshika pikuekanu
- ussat assit tshika ueueshtakanu
- tshika tutakanua ashukana; mak
- tshika nekakinu assi kie kau kaishinakuak ne assi tshika kau ueuestakanu

Nutapineuant meshkinau -kaishinikatet tshika shenikanu nantam skenupuna. Atesseuana tsheistakantshi mitshuap tshika takun nte pessish tshetat kaitusset. Atusseuana tshetukuaki mitshuap iat tshika takun (kashutshishit kie kauepauat kuna kashutshishit). Ne tshe ishitussenanut nte meshkinant skinupuna:

- Tshika kaskekinu
- Kamunekant assi tshika neikekanu
- Assikuman tshika tshimitakanua aitu nte meshkinant
- Tshika mintussenitakanu nantam ashukana tshetshi ma minupunikue ante shipissit katutakantshi
- Tshika uepauakinu kun nantam
- Tshika nenekateu meshkinau

SHIPUA TSHE TAKUAKI ASHUKANA

Peikutamintinu itatinutshen nipia kie ma shipua tshe ueuestaiat. Mitshet nika apistanan assikuman kutuskueu tshetshi minu pamipant nipi. Tshetshi ka nissipet nipi nte pupunit kie tshetshi minu pamipanit nameshat kie tshetshi minu pamipant shipu.



NE UAPINEKAU ASHUKAN TSHETUKUAK SHIPIT

Ashukana tshika tutakanua ante meshat shipu kie nipi miam mate:

- Mista paustuk
- Uapush shipiss
- Tshenuame shipu
- Paradise Shipu
- etukuatuepint



ASHUKAN NETE MARY=S HARBOUR