

2001 JULY 19

TO: CITY MANAGER

FROM: ACTING DIRECTOR PARKS, RECREATION AND CULTURAL SERVICES

**SUBJECT: BURNABY LAKE REGIONAL NATURE PARK:
BC HYDRO PROPOSAL FOR FISH HABITAT COMPENSATION WORK**

PURPOSE: To request Council's approval for the creation of a fish rearing pond in Burnaby Lake Regional Nature Park.

RECOMMENDATIONS:

1. THAT approval be granted for the creation of a fish rearing pond in Burnaby Lake Regional Nature Park.
2. THAT a copy of this report be forwarded to the GVRD Parks Department.

REPORT

At its meeting of 2001 July 18, the Parks, Recreation and Culture Commission received the above noted report and adopted the three recommendations contained therein.



Denis Nokony
ACTING DIRECTOR PARKS,
RECREATION AND CULTURAL SERVICES

tc

Attachment

c:\data\council\PK-BURNABY LAKE REGIONAL NATURE PARK

cc. Director Planning and Building

**SUBJECT: BURNABY LAKE REGIONAL NATURE PARK:
BC HYDRO PROPOSAL FOR FISH HABITAT COMPENSATION WORK**

RECOMMENDATIONS:

1. THAT Council be asked to approve the creation of a fish rearing pond in Burnaby Lake Regional Nature Park.
2. THAT Council be asked to send a copy of this report to GVRD Parks Department.
3. THAT B.C. Hydro be so notified.

REPORT

Attached is a memo from the Director Planning and Building recommending approval of a proposal from BC Hydro and Power Authority for fish habitat compensation improvement within Burnaby Lake Regional Nature Park. Compensation is required by the Ministry of Water, Land and Air Protection as part of its approval of BC Hydro's Hill Avenue electrical service replacement project at Burnaby Lake Regional Nature Park. The project proposed for the park is a fish-rearing pond connected to an existing unnamed stream on the south park boundary next to the forest edge. The project provides an environmental improvement to the park, while not distracting from any public use or enjoyment, and as such is supported both by City and GVRD Park staff. As it is intended that the fish-rearing pond naturalize, no long term maintenance is required. All costs to construct the pond and any follow up monitoring will be the responsibility of BC Hydro.

The compensation work is to take place within City-owned parkland leased to the Greater Vancouver Regional District (GVRD) for Burnaby Lake Regional Nature Park.

B.C. Hydro and all their agents will be required to meet the City's standard WCB and insurance requirements.

JK .

ATS:ats:dl:tc

Attachment

p:\dl\wp\sarter\WLAPcompensation report

cc: Director Planning and Building

TO: DIRECTOR PARKS, RECREATION AND
CULTURAL SERVICES

July 9, 2001

FROM: DIRECTOR PLANNING AND BUILDING

OUR FILE: 10.250

SUBJECT: FISH BEARING POND - BURNABY LAKE REGIONAL NATURE PARK

PURPOSE: To request Parks, Recreation and Cultural Commission and Council approval for a BC Hydro fish habitat compensation improvement within Burnaby Lake Regional Nature Park.

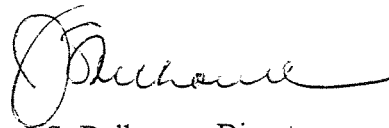
BC Hydro's Hill Avenue Pothead Terminal Replacement Project involves replacement of underground power cables and overhead structures which terminate on BC Hydro owned lands immediately south of Burnaby Lake and adjacent to Highway 1 (*Attachment No. 1*). This project has involved the upgrade of BC Hydro's access road within their registered transmission line corridor, from Glencarin Avenue to the project site, for access of equipment and workers. Upgrade of the access road required the replacement of culverts across several streams which flow into Burnaby Lake. The Ministry of Water, Lands, and Air Protection (MWLAP) and Department of Fisheries and Oceans (DFO) require that fish habitat compensation work be completed by BC Hydro to offset any impacts as a result of the culvert replacements.

One of BC Hydro's proposed compensation projects is on City owned land (Lot 3, DL 89, Plan 3064) that is leased to the GVRD as part of Burnaby Lake Regional Nature Park. The proposed project is a fish-rearing pond connected to an existing unnamed stream on the south park boundary next to the forest edge (*Attachment No. 2*). The project location was selected by Envirowest consultants in conjunction with the Department of Fisheries and Oceans and BC Hydro. The location was recommended as it could provide valuable off-channel fish habitat and the site is close to the area impacted by the access road upgrades. The pond would be approximately 25 metres by 12 metres in size and provide habitat for juvenile salmonids and trout. No trees would need to be removed to construct the pond. Moreover, the location of the pond is not expected to affect the health of adjacent trees.

All costs to construct the pond and any follow-up monitoring would be the responsibility of BC Hydro. The Department of Fisheries and Oceans (DFO) would provide a fisheries authorization prior to proceeding with construction. Construction of the pond would take place during the allowable fisheries window between August and September. The DFO authorization would require BC Hydro to monitor the site and undertake any maintenance (e.g. vegetation replanting) for a period of five years. After five years, the pond should be naturalized and require no additional maintenance or management. However, the DFO authorization would name BC Hydro as the responsible party in perpetuity for any required maintenance of the fish pond.

City staff have reviewed the proposed project on-site with BC Hydro and GVRD staff. The project provides an environmental improvement to the park, and thus meets the terms of the GVRD lease agreement. The GVRD staff have indicated that they support and will be recommending approval of the application. The project is also supported by City staff. Staff therefore recommend that the Parks and Recreation Commission approve the proposed fish habitat improvements as outlined in this memorandum and request Council to also approve the project.

An overview of this project was received by the City's Environment and Waste Management Committee for information purposes.



J.S. Belhouse, Director
PLANNING AND BUILDING

RW/ma/sa

Attachments (2)

cc: City Manager
Director Engineering

Reliability Improvements In Central Burnaby

Cable Replacement

BC Hydro is proceeding with the replacement of two 230 kilovolts (kV) underground cable circuits between Newell Substation at Kingsway and Griffiths and the Hill Avenue Cable Terminal Stations located east of Hill Avenue between Highway No. 1 and Burnaby Lake.

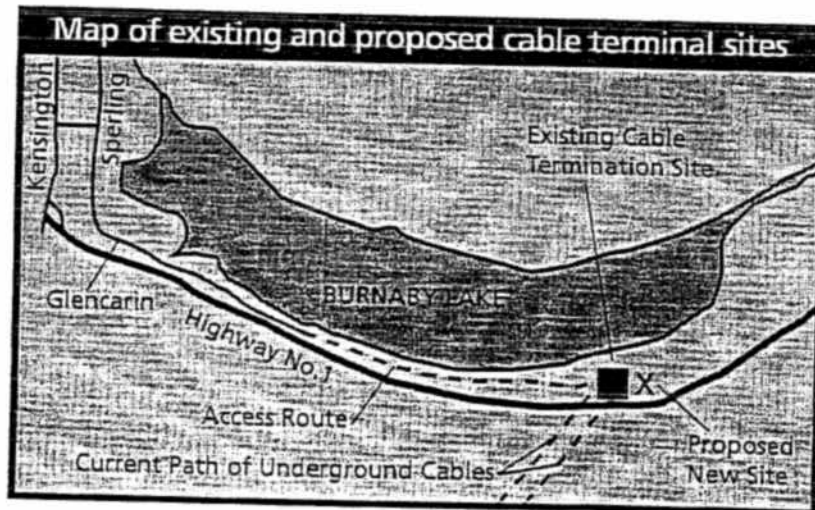
This cable system was installed in 1957 and needs to be upgraded to maintain service reliability for our customers in central Burnaby.

Description of Proposed Work

The project is planned in stages between 2000 and 2002.

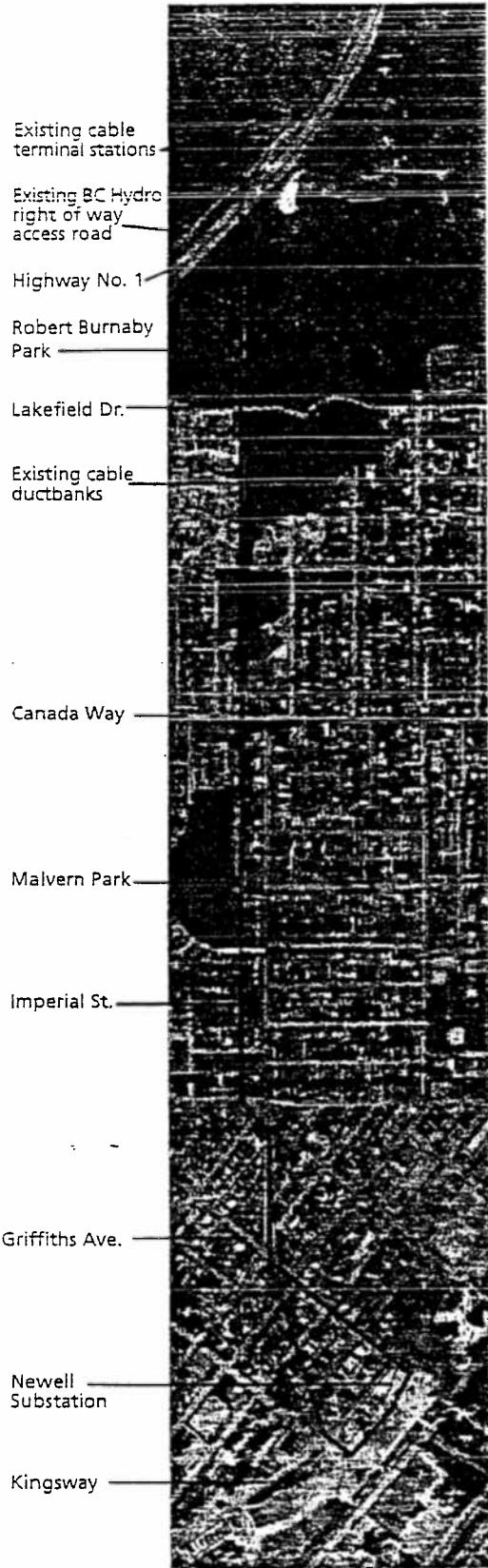
It will involve:

- Upgrading existing access along the BC Hydro right of way from Glencarin Drive to the Hill Avenue Cable terminal site.
- Upgrading portions of the existing access along the BC Hydro right of way between Highway No.1 and Newell Substation.
- Removing existing cable terminal stations at Hill Avenue and replacing them with a new compact station immediately east of the existing ones.
- Installing new cables in the existing underground ductbanks from Newell Substation, to the south of Highway No.1. New ducts under Highway No.1 will be installed using directional drilling to the terminal site on the north side.



THE POWER IS YOURS

BC hydro 



Work to upgrade the access road is tentatively scheduled for the summer of 2000. The first circuit is scheduled for replacement in summer 2001, and the second to follow in 2002. The new cable terminal station will be constructed with improved earthquake resilience and environmental protection facilities. Once construction is complete, BC Hydro will restore the site and provide some vegetation screening of the station.

We are currently working with the City of Burnaby, Ministry of the Environment, Lands and Parks, Ministry of Transportation and Highways, and the Greater Vancouver Regional District to address the project issues, and will be seeking public input, particularly on the social and environmental aspects of the project.

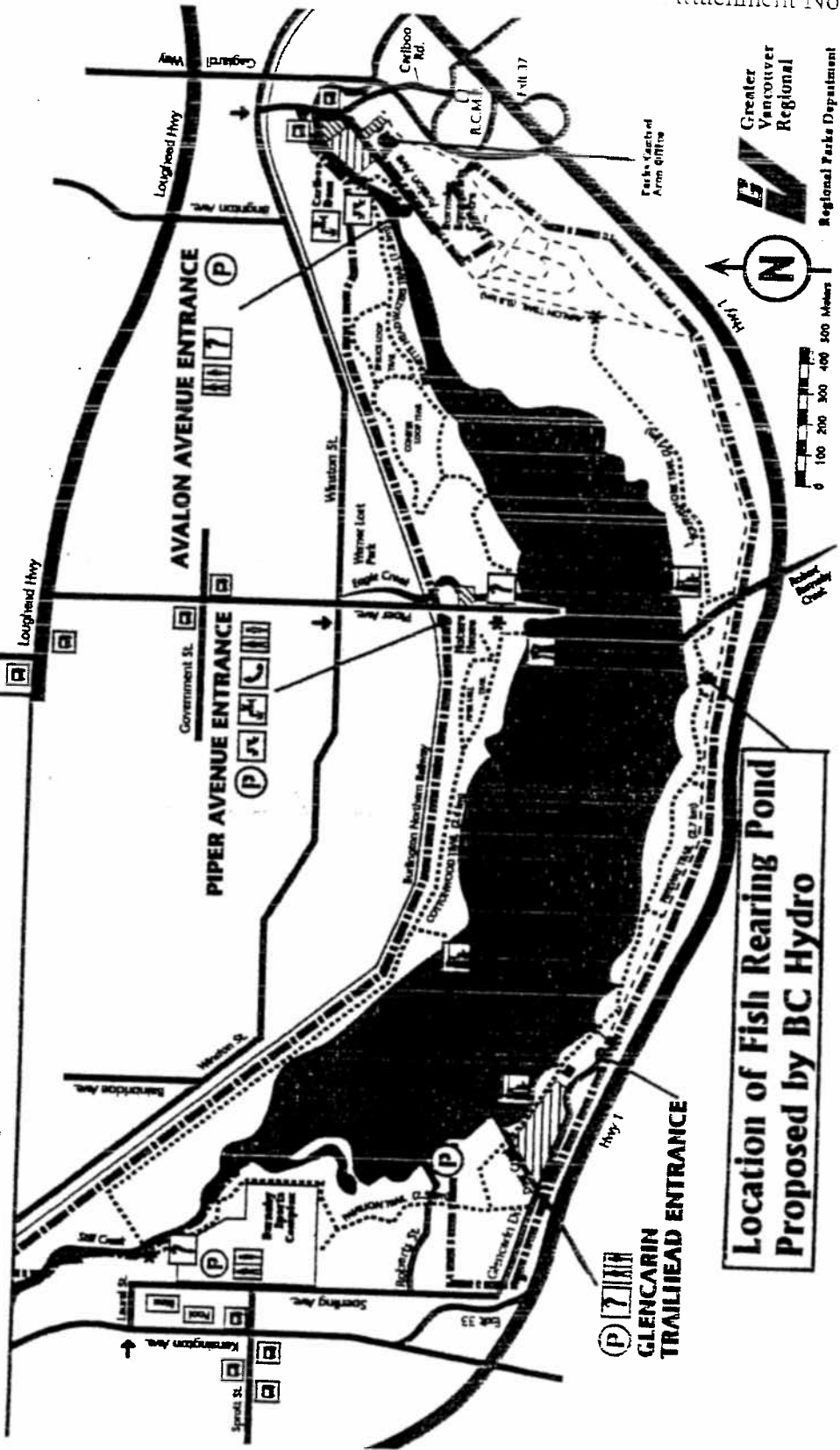
Prior to the commencement of the work, BC Hydro will complete environmental and construction management plans to ensure that all environmental concerns have been addressed. Local residents and users of Burnaby Lake Park will be invited to consultation sessions to review the project plans. This input and feedback will help us to minimize the disruption to the community and recreational users of Burnaby Lake Park during the construction phase.

For more information, please contact
Jane Newlands
 BC Hydro Community Relations Manager
 Tel: (604) 528-7985
 Fax: (604) 528-2362
 E-mail: jane.newlands@bchydro.com

www.bchydro.com

BURNABY LAKE REGIONAL PARK

- Park Entrance
- Information
- Parking
- Toilets
- Telephone
- Viewpoint
- Drinking Water
- Horse Unloading
- Hiking.....
- Horseback Riding/
Hiking Trail
- Park Boundary
- Private Property
- Rental Property
- Marsh
- Viewing Tower
- Picnic Area
- Bus Stop
- * Distance Marker



Greater Vancouver Regional
Regional Parks Department