

## REGIONAL DISTRICT OF BULKLEY-NECHAKO



**RURAL DIRECTORS COMMITTEE  
AGENDA  
Thursday, October 10, 2019**

<u>PAGE NO.</u>		<u>ACTION</u>
	<u>AGENDA- October 10, 2019</u>	Approve
	<u>Supplementary Agenda</u>	Receive
	<u>MINUTES</u>	
3-4	Rural Directors Committee Meeting Minutes - September 5, 2019	Adopt
	<u>REPORTS</u>	
5-8	Cheryl Anderson, Manager of Administrative Services – Nechako Watershed Roundtable - Request for Grant in Aid – Electoral Areas “B”, “C”, “D”, “E”, and “F”	Discussion/ Direction
9-14	Cheryl Anderson, Manager of Administrative Services – Fort St. James Breakfast Program - Request for Grant in Aid – Electoral Area “C”	Recommendation (Page 9)
15	Cheryl Anderson, Manager of Administrative Services – Bulkley-Nechako Regional Transit Service – Grant in Aid	Recommendation (Page 15)
16-17	John Illes, Chief Financial Officer – Admin Recovery for Local Service Budgets	Recommendation (Page 17)
18-58	John Illes, Chief Financial Officer – Draft Local Service Budgets	Recommendation (Page 22-24)
59-66	John Illes, Chief Financial Officer – Distribution of Northern Capital and Planning Grant	Recommendation (Page 64)
67-69	Deborah Jones-Middleton, Director of Protective Services – Northern Capital and Planning Grant -Hazard, Risk and Vulnerability Assessment Program	Recommendation (Page 67)
	<u>DEVELOPMENT SERVICES</u>	
	<u>Memo</u>	
70-109	Maria Sandberg, Planner – Land Referral File No. 6409156 BC Hydro	Recommendation (Page 70)

**SUPPLEMENTARY AGENDA**

**NEW BUSINESS**

**ADJOURNMENT**

REGIONAL DISTRICT OF BULKLEY-NECHAKORURAL DIRECTORS COMMITTEE MEETINGThursday, September 5, 2019

**PRESENT:** Acting Chair Mark Parker

Directors Mark Fisher  
Tom Greenaway  
Clint Lambert  
Jerry Petersen  
Michael Riis-Christianson  
Gerry Thiessen

Director Rob Newell, Electoral Area "G" (Houston Rural)  
Absent

Staff Curtis Helgesen, Chief Administrative Officer  
Cheryl Anderson, Manager of Administrative Services  
Janette Derksen, Deputy Director of Environmental Services  
John Illes, Chief Financial Officer  
Deborah Jones-Middleton, Director of Protective Services – left at 3:03 p.m.  
Jason Llewellyn, Director of Planning  
Deneve Vanderwolf, Planning Technician/Regional Transit Coordinator – left at 2:53 p.m.  
Wendy Wainwright, Executive Assistant

CALL TO ORDER

Acting Chair Parker called the meeting to order at 2:48 p.m.

AGENDAMoved by Director Petersen  
Seconded by Director LambertRDC.2019-7-1

"That the Rural Directors Committee Agenda for September 5, 2019 be approved."

(All/Directors/Majority)

CARRIED UNANIMOUSLYMINUTESRural Directors Committee  
Meeting Minutes  
-June 20, 2019Moved by Director Lambert  
Seconded by Director Riis-ChristiansonRDC.2019-7-2

"That the minutes of the Rural Directors Committee meeting of June 20, 2019 be received."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

## REPORTS

### Bulkley Nechako Regional Transit-Grant in Aid

The current agreement with the Province for the Bulkley Nechako Regional Transit Service will end March 31, 2022. Electoral Area Directors interested in committing Grant in Aid funds to the Bulkley Nechako Regional Transit Service can provide the information to staff to include at an upcoming RDBN Board Meeting.

Discussion took place in regard to utilizing Community Works (Gas Tax) Funds for the capital acquisition of buses.

### Distribution of Northern Capital And Planning Grant

Moved by Director Riis-Christianson  
Seconded by Director Fisher

### RDC.2019-7-3

"That the Rural Directors Committee receive the Chief Financial Officer's August 19, 2019 memo titled "Distribution of Northern Capital and Planning Grant" and;

That the Rural Directors Committee recommend to the Regional District of Bulkley-Nechako Board of Directors that the "Rural" portion of the Northern Capital and Planning Grant be allocated as per Option 2 (½ Fixed and ½ by Population) in the August 19, 2019 staff report."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

### Community Works Fund (Gas Tax) Allocation Methods

Moved by Director Fisher  
Seconded by Director Riis-Christianson

### RDC.2019-7-4

"That the Rural Directors Committee receive the Chief Financial Officer's August 19, 2019 memo titled "Community Works Fund (Gas Tax) Allocation Methods."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

## DEVELOPMENT SERVICES

### Memo

### Land Referral File No. 0282536 MOTI – Electoral Area "F"

Moved by Director Petersen  
Seconded by Director Greenaway

### RDC.2019-7-5

"That the "Regional District of Bulkley-Nechako Comment Sheet on Crown Land Referral 0282536" be provided to the Province as the Regional District's comments on Crown Land Referral 0282536."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

## ADJOURNMENT

Moved by Director Lambert  
Seconded by Director Greenaway

### RDC.2019-7-6

"That the meeting be adjourned 3:04 p.m."

(All/Directors/Majority)

CARRIED UNANIMOUSLY



## Regional District of Bulkley-Nechako Memo

**TO:** Rural Directors Committee

**FROM:** Cheryl Anderson, Manager of Administrative Services

**DATE:** October 10, 2019

**SUBJECT:** Nechako Watershed Roundtable – Request for Grant in Aid –  
Electoral Areas “B”, “C”, “D”, “E”, and “F”

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### RECOMMENDATION

Discussion/Direction.

### BACKGROUND

Last year, the Nechako Watershed Roundtable requested \$8,500 grant in aid from the Regional District for the implementation of the Nechako Watershed Strategy. The Regional District approved \$7,000.

Attached is a request for \$8,500 for operational funding for 2019. Kim Menounos, Manager, Northern and Interior Region, Fraser Basin Council has offered to appear as a delegation before the Regional District Board to provide an update and answer any questions the Board may have if the Board wishes.

Written by,

A handwritten signature in cursive script, appearing to read "Cheryl Anderson", is written over a horizontal line.

Cheryl Anderson, Manager of  
Administrative Services

**Cheryl Anderson**

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**From:** website@rdbn.bc.ca  
**Sent:** September 25, 2019 1:41 PM  
**To:** Cheryl Anderson  
**Subject:** Website Form Submission – ONLINE GRANT-IN-AID APPLICATION FORM

There has been a submission of the form ONLINE GRANT-IN-AID APPLICATION FORM through your concrete5 website.

**ORGANIZATION:**  
 Nechako Watershed Roundtable

**EMAIL:**  
 kmenounos@fraserbasin.bc.ca

**PHONE:**  
 2506120282

**MAILING ADDRESS (Please include PO Box/Civic Address, Town and Postal Code):**  
 207-155 George St. Prince George, V2L 1P8

**PROJECT OR PURPOSE FOR WHICH YOU REQUIRE ASSISTANCE:**

What is the Nechako Watershed Roundtable (NWR)?

The Nechako Watershed Roundtable (NWR) is a collaborative initiative launched in October 2015 to help protect and improve the health of the Nechako Watershed for future generations. The Roundtable brings together public sector, private sector, and community organizations having responsibilities and interests in this watershed.

Who is involved in the NWR?

The NWR includes representation from BC First Nations, the Province of BC, local governments, and other agencies and organizations having responsibilities and interests in the Nechako watershed.

What will the financial assistance cover?

The NWR requests financial assistance to support our work. The secretariat provides day-to-day operations to support work going on in the watershed by a number of groups, all working together toward the implementation of the Nechako Watershed Strategy, the ultimate goal of which is a healthy watershed. The secretariat requires operational funding to carry on this collaborative and engaging work.

**TO THE BEST OF MY KNOWLEDGE, ALL OF THE INFORMATION THAT IS PROVIDED IN THIS APPLICATION IS TRUE AND CORRECT. FURTHERMORE, I HEREBY CERTIFY THAT THIS APPLICATION FOR ASSISTANCE IS NOT BEING MADE ON BEHALF OF AN INDIVIDUAL, INDUSTRY, COMMERCIAL OR BUSINESS:**

Yes

**PLEASE DESCRIBE THE SERVICES/BENEFITS THAT YOUR ORGANIZATION PROVIDES TO THE COMMUNITY. ARE THESE SERVICES/BENEFITS AVAILABLE TO THE COMMUNITY FROM ANOTHER ORGANIZATION OR AGENCY:**

What does the NWR do and why is this important?

The NWR convenes conversations and facilitates collaborative action to help ensure the long-term environmental health and wealth of the Nechako Watershed. The NWR is a collective voice across the region working to strengthen

community and ecosystem resilience, and to understand the impacts of climate change, extreme events, resource development, and other pressures on the watershed.

**DESCRIBE THE GEOGRAPHIC AREA THAT RECEIVES SERVICES OR BENEFITS FROM YOUR ORGANIZATION.:**

The entire Nechako watershed (52,000 km<sup>2</sup>) receives the direct benefit of our work, but all of British Columbia will benefit in the long term from work to ensure the Nechako watershed is healthy and sustains healthy communities and populations of important species and ecosystems.

**IS YOUR ORGANIZATION VOLUNTARY AND NON-PROFIT?:**

Yes

**PLEASE DETAIL ANY REMUNERATION PAID, OR FUNDS OTHERWISE MADE AVAILABLE TO MEMBERS, OFFICERS, ETC. OF YOUR ORGANIZATION:**

Staff of the secretariat are paid, otherwise all participants are voluntary or supported by outside organizations. Funds may be used to leverage grants or funding opportunities for project-based work in the Nechako consistent with the goals of implementing the Nechako Watershed Health Strategy.

**PLEASE COMMENT ON THE NUMBER OF MEMBERS/VOLUNTEERS IN YOUR ORGANIZATION AND HOW LONG YOUR ORGANIZATION HAS BEEN IN OPERATION:**

The NWR has been in operation for about 3 years, only two of which had paid secretariat staff. There are 12 members of the Core Committee whose time and effort is provided through in-kind support. Any member of the communities in the watershed, including the 5 municipalities and 14 First Nations, may be considered a member. Membership attendance at the annual meeting has grown since the official launch in 2016 to the latest Technical Working Group.

**ASSISTANCE IS BEING REQUESTED FOR:**

another purpose

**OTHER PURPOSE IF ANY:**

Support of the secretariat function

**PLEASE DESCRIBE THE PROPOSAL FOR WHICH YOU ARE REQUESTING ASSISTANCE. IF YOU ARE APPLYING FOR AN EXEMPTION FROM FEES AND/OR CHARGES OR OTHER CONSIDERATION, PLEASE PROVIDE DETAILS OR YOUR REQUEST HERE. ATTACH ADDITIONAL INFORMATION IF REQUIRED.:**

Work in year 2 (REFBC funding for 3 years) has focused on the continued building of relationships, development of communications materials, and the establishment of two working groups (the Lakes Monitoring Working Group, and the Education and Youth Engagement Working Group). The Education and Youth Engagement Working Group has had substantial success working with SD91 providing experiential learning in Vanderhoof area streams in the Nechako watershed, in partnership with Steamkeepers and the University of Northern British Columbia. The Lakes Monitoring Working Group is working to establish specific monitoring protocols to establish baseline data on nine or more lakes in the watershed and to provide data to researchers.

**DESCRIBE HOW THIS PROPOSAL WILL BENEFIT THE COMMUNITY:**

The community will benefit in the short term from improved relationships and unified goals toward the health of the watershed, and in the long term from the implementation of the Nechako Watershed Health Strategy. A healthy community is a prosperous one.

**HAVE YOU APPLIED FOR A GRANT/FUNDING FROM OTHER SOURCES?:**

Yes

**NAME OF 1ST GRANT OR FUNDING AGENCY:**

Real Estate Foundation of BC

AMOUNT APPLIED FOR FROM 1ST AGENCY:  
35000

STATUS OF 1ST GRANT APPLICATION:  
Approved

NAME OF 2ND GRANT OR FUNDING AGENCY:  
Centerra Gold Community Fund

AMOUNT APPLIED FOR FROM 2ND AGENCY:  
10000

STATUS OF 2ND GRANT APPLICATION:  
Pending

NAME OF 3RD GRANT OR FUNDING AGENCY:  
Regional District of Fraser-Fort George Areas A and C

AMOUNT APPLIED FOR FROM 3RD AGENCY:  
3400

STATUS OF 3RD GRANT APPLICATION:  
Approved

NAME OF 4TH GRANT FUNDING AGENCY:

AMOUNT APPLIED FOR FROM 4TH AGENCY:  
0

HAVE YOU RECEIVED ASSISTANCE (GRANT IN AID/WAIVING OF FEES , ETC.), FROM THE REGIONAL DISTRICT OF BULKLEY-NECHAKO IN PREVIOUS YEARS?:  
Yes

IF YES, YEARS, AMOUNTS AND PURPOSES FOR WHICH ASSISTANCE WAS USED:  
Assistance was granted from Areas B, C, D, E, F (\$1700 each, total of \$8500) in 2018 for the same purpose as this request.

DOES YOUR ORGANIZATION:

CONTACT NAME:  
Kim Menounos

PLEASE PROVIDE THE DATE, TIME AND LOCATION OF YOUR ORGANIZATIONS ANNUAL GENERAL MEETING (AGM). IF UNKNOWN PLEASE CONTACT THE ELECTORAL AREA DIRECTOR WITH THE INFORMATION ONCE DATE AND TIME ARE CONFIRMED.:  
October 30, 2019 10am to 4pm, Fort St. James (Nakazdli Whut'en)

AMOUNT BEING REQUESTED:  
\$1700 from Areas B, C, D, E, F





## Regional District of Bulkley-Nechako Memo

**TO:** Rural Directors Committee

**FROM:** Cheryl Anderson, Manager of Administrative Services

**DATE:** October 10, 2019

**SUBJECT:** Fort St. James Breakfast Program – Request for Grant in Aid –  
Electoral Area “C”

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### RECOMMENDATION

“That the Fort St. James Breakfast Program be given \$2,000 grant in aid monies from Electoral Area “C” (Fort St. James Rural) for costs associated with the Breakfast Program.”

### BACKGROUND

School District 91 has requested \$3,000 grant in aid monies from Electoral Area “C” for costs associated with the Fort St. James Breakfast Program. Director Greenaway has indicated that he is supportive of providing \$2,000 toward the application. The Grant in Aid Application is attached.

Written by,

A handwritten signature in cursive script, appearing to read "Anderson", written over a horizontal line.

Cheryl Anderson, Manager of  
Administrative Services

RECEIVED

SEP 11 2019

REGIONAL DISTRICT OF BULKLEY-NECHAKO  
ELECTORAL AREA REQUEST FOR GRANT IN AID APPLICATION

APPLICATION SUBMITTED BY: (Jhen Bndgeman)

Applicant Name: Fort St James Breakfast Program

Mailing Address: Box 220  
Fort St James, BC

E-mail Address: jbnbdgeman@sd91.bc.ca


Contact(s): Jhen Bndgeman  
Name, Telephone/Fax Number  
250 996 - 3935  
Name, Telephone/Fax Number

APPLICATION SUMMARY

Project or purpose for which you require assistance: Breakfast Program - School district 91

Amount of Grant Requested \$ 3,000

To the best of my knowledge, all of the information that is provided in this application is true and correct. Furthermore, I hereby certify that this application for assistance is NOT being made on behalf of an individual, industry, commercial or business undertaking.

  
\_\_\_\_\_  
(signature of authorized signatory)

(title) At Risk Youth Worker

Amount Approved: \_\_\_\_\_  
Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Electoral Area Director

### APPLICANT PROFILE

1. Please describe the services/benefits that your organization provides to the community. Are these services/benefits available to the community from another organization or agency?

We provide a healthy breakfast daily for approx 120 learners.

2. Describe the geographic area that receives services or benefits from your organization.

Fort St James  
Tlazten  
Yeroochee  
Nakazdu

3. Is your organization voluntary and non-profit?  YES  NO

Please detail any remuneration paid, or funds otherwise made available to members, officers, etc. of your organization.

All Breakfast is volunteer

Please comment on the number of members/volunteers in your organization and how long your organization has been in operation.

8 years - 3 volunteers / sometimes student volunteers.

### PROJECT/PROPOSAL PROFILE

1. Assistance is being requested for:

- capital project and/or equipment
- special event
- other purpose ( supply food )

2. Please describe the proposal for which you are requesting assistance. If you are applying for an exemption from fees and/or charges or other consideration, please provide details or your request here. Attach additional information if required.

\* I have attached a letter.

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3. Describe how this proposal will benefit the community.

\* Letter Attached

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**Funding and Financial Information**

1. Attach supporting financial information, ie., budget/financial report. Ensure the following information is clearly itemized:
  - Total cost of project/proposal;
  - Grants/funding from other sources;
  - Funding contributed by applicant through funding raising activities or other sources of revenue;
  - Total expenses for the fiscal year, including any monies and/or benefits paid to members or officers.
  
2. Have you applied for a grant/funding from other source(s)?  
 YES     NO

If yes, complete the following chart. If not, please comment.

Name of Grant or Funding Agency	\$ Amount Applied for	Status of Grant Application		
		Approved (Y)	Denied (Y)	Pending (Y)
Biscarfast Club	7,000			✓
Rio Tinto	3,000			✓
Mt. Mulligan	3,000			✓
Integns	1,800			✓

3. Have you received assistance (grant in aid/waiving of fees , etc.), from the Regional District of Bulkley-Nechako in previous years?

YES  NO If yes, complete the following chart.

Year:	\$ Amount	Purpose for which assistance was used ,
2018	2,000	purchase food / supplies

4. Does your organization:

a) Offer direct financial assistance to individuals or families?  YES  NO

b) Duplicate services that fall within the mandate of either a senior government or a local service agency?  YES  NO

c) Provide an opportunity for individuals to make direct contributions?  YES  NO

OR, is your organization:

d) Part of a provincial or national fund raising campaign?  YES  NO

**Don't forget to attach the required financial report.**



## Regional District of Bulkley-Nechako Memo

**TO:** Rural Directors Committee

**FROM:** Cheryl Anderson, Manager of Administrative Services

**DATE:** October 10, 2019

**SUBJECT:** Bulkley-Nechako Regional Transit Service – Grant in Aid

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### RECOMMENDATION

That the following grant in aid contributions be provided towards operating costs for the Bulkley-Nechako Regional Transit Service for 2019:

Electoral Area "B" (Burns Lake Rural) - \$1,000  
Electoral Area "C" (Fort St. James Rural) - \$2,000  
Electoral Area "D" (Fraser Lake Rural) - \$1,000  
Electoral Area "G" (Houston Rural) - \$1,000  
Electoral Area "F" (Vanderhoof Rural) - \$1,000

### BACKGROUND

At the September 5, 2019 Rural Directors Committee meeting, staff sought direction on whether Rural Directors wished to contribute Grant in Aid monies towards operating costs for the Bulkley-Nechako Regional Transit Service for 2019. The wishes of the Electoral Area Directors are captured within the recommendation.

Written by,

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Cheryl Anderson, Manager of  
Administrative Services



## REGIONAL DISTRICT OF BULKLEY-NECHAKO STAFF REPORT

**To:** Rural Directors' Committee  
**From:** John Illes, Chief Financial Officer  
**Date:** October 10, 2019  
**Subject:** Admin Recovery for Local Service Budgets

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### Overview:

The Regional District currently does not recover any administrative costs for local service budgets. Best practices and the expectation of the Province is that appropriate administrative expenses are recovered from all established services.

### Discussion:

This memo discusses the administration recovery for all local services that are not allocated employee staff time. All those services highlighted in this meeting's budget discussion fall into this category.

The principals utilized to develop these costs are that they will reflect as much as possible the actual costs to administer the service in the terms of staff members or elected officials time.

Generally, administration costs consist of a small amount of Regional District staff time but also should include part of the cost of an Electoral Area Director or Directors time as well.

Yearly administration costs for local services that provide a monthly or annual grant to one organization are estimated to cost \$250 based on staff time and an additional \$50 for general regional district fixed costs (such as the Regional District Office) for a total of \$300.

Yearly administration costs for street lighting services are estimated to be \$400 for staff time and an additional \$50 for fixed costs for a total of \$450. Additional staff time is required to request bulb replacement and to verify and pay monthly hydro bills.

Yearly administration costs for local services that provide a grant to more than one organization is estimated to be \$500 for staff and director time and an additional \$50 for fixed costs for a total of \$550. The extra cost is intended to cover the additional time both staff and the directors take to review applications for funding requests. These services include the Economic Development Services, the Lakes District Arts and Culture Service, and the Smithers Arts and Culture Service. This estimate is conservative and should be reviewed again for the 2021 budget.





There is no proposed charge for inactive services. For inactive services with a surplus an administrative charge of \$300 is proposed. This fee may be waived depending on the reason the service is inactive.

During the short term, administration charges will be reduced for a particular service, if the charge would impact the current budgeted grant to its beneficiary because of a bylaw's maximum taxation limits being met.

The analysis for the distribution of administration costs to the other (more complex) services will be brought forward to a future meeting.

These estimates will be reviewed annually by staff to make sure they are still representative of the costs associated with managing these services.

Recommendation:

(All/Directors/Majority)

"That the Rural Directors committee direct staff to include the above administrative charges for the discussed Local Service Budgets."



## REGIONAL DISTRICT OF BULKLEY-NECHAKO STAFF REPORT

**To:** Rural Directors' Committee  
**From:** John Illes, Chief Financial Officer  
**Date:** October 10, 2019  
**Subject:** Draft Local Service Budgets

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### Overview:

The financial staff will bring forward the local service budgets for the Rural Directors over the next several meetings. The goal is to have the local service budgets approved for inclusion in the 2020 Financial Plan by the end of December.

The unexpected can always happen and changes can be accommodated up until the budget bylaw adoption if they are of a critical urgency.

Some of the budgets include contributions from municipalities. If the Electoral Area Directors are comfortable with the draft budget that includes a municipality, staff will bring forward the budget to the municipal director involved for their review.

Some of the local budgets will be presented later:

- Fort Fraser local area budgets including sewer and water will be presented first for discussion to the Fort Fraser local commission in either November or December.
- Local Fire Services budgets where the service is contracted from a municipality will be available for directors to review in February of 2020 after the draft budgets are prepared by the municipality.
- Emergency Services (an Electoral Area local service) is currently being prepared by the Director of Protective Services working with the CAO and the Finance Department. This budget will be presented at the November Committee Meeting. This includes the budgets for the four Regional District Fire Departments.
- The Smithers Rural Recreation and Culture budget draft is prepared by the Town of Smithers and will be available for review in February.
- The Vanderhoof Pool budget is prepared by the Town of Vanderhoof and will be included in the Area F Pool Grant service and will be available for review in February.
- The Bulkley Valley Pool Budget receives funding information from the Aquatic Management Society in February and the Budget is available for review in early March.

Recommendations are provided for each Directors consideration. If a Director needs more time to gather information from a grant recipient, they may wish to delay making a recommendation at the committee meeting. If the Directors wish to make changes to



any budget presented, financial staff can work with the Director to bring an updated budget as a supplemental item to the October 10<sup>th</sup> meeting.

**Discussion:**

***Local Economic Development Services:***

Stuart-Nechako Economic Development Service had no activity in 2019. The funds are continued forward for 2020. There is no planned taxation for 2020. It appears that this bylaw may no longer be utilized, if this is indeed the case the Directors should consider repealing bylaw 1460. If the contributing directors to this service wish to continue with their own Electoral Area economic development plans (like Areas A, B, E and G), staff can introduce an establishment bylaw on your request.

Electoral Area A – Economic Development: Currently \$5,000 has been utilized in 2019. This draft budget assumes that \$10,000 in taxation will be continued for 2020.

Electoral Area B – Economic Development: Currently \$63,419 is in the budget (the Electoral Area B portion of the old Lakes District Economic Development Bylaw).

Electoral Area E – Economic Development: Currently \$10,000 has been spent from the 2019 budget. Staff are assuming that the grant for the Visitor Information Centre will continue and the grant to SEDA will be complete in 2020. Because of the large surplus in 2019, staff have proposed a zero-tax budget for 2020.

Electoral Area G – The current direction to staff is that this service should see minimal taxation and its current primary purpose is to hold capital funds from the Northern Capital and Planning Grant.

Directors are encouraged to approach the Chief Financial Officer about their proposed 2020 Economic Development Plans.

***Clucluz Lake Sewer (Electoral Area F)*** – Taxation is proposed to remain the same for 2020 as in 2019. The purpose of the taxation is to build a capital and engineering reserve for future use.

***Lake Kathlyn Aquatic Weed Harvesting and Glacier Gulch Water Diversion***

(Electoral Area A) – The Society has indicated to staff that they wish to maintain the current budget for 2020. Staff have proposed a budget with the same costs as 2019. Any surplus from the Glacier Gulch Water Diversion service for 2019 will be allocated to the Glacier Gulch Water Diversion Capital Reserve

***Victim Services:*** The Burns Lake & Area Victim Services and the Smithers Victim Services grants are proposed to remain the same for 2020 as were provided in 2019.



**Lakes District Airport** (Area B and E): The Airport Manager has indicated that he wishes no change for the 2020 budget. Taxation has dropped by \$8,000 primarily due to the decrease in capital reserve contribution. Capital reserve contribution doubles in 2022 after the five-year loan is complete.

**Smithers Para Transit:** The current direction to staff is not to tax for this service until 2023.

**Fort St. James Seniors Helping Seniors** (Area C): This local service has reached its maximum grant of \$43,000. This grant amount is continued in 2020.

**Telkwa Pedestrian Crosswalk** (Area A): This local service has reached its maximum grant of \$1,000. This grant amount is continued in 2020.

**Street Lighting Services** (Areas A, B, C, and D): Hydro is requesting an increase of 0.72% for 2020. A budget increase of electrical costs of 1% over the 2019 electrical rates has been included to cover this increase and provide a small contingency in 2020.

**Fort St. James Arena Grant** (Area C): This grant continues with a budget of \$37,500. The last increase was in 2018 and the bylaw could again be reviewed for increase in 2023.

**Burns Lake Arena Grant (Areas B and E):** The loan for this service was completed in 2019; therefore grants for debt repayment and capital projects are to be discontinued. The purpose of this grant is to provide a portion of the Arena's operating cost every year. Due to the nature of the change in this service, a meeting between the Directors of Area B and Area E and the Village of Burns Lake Council (and appropriate staff) is recommended to further discuss this budget.

**Vanderhoof Recreation and Culture** (Area F): The grant continues at \$95,985 as part of the current agreement with the District of Vanderhoof.

**Lakes District Arts and Culture Service** (Area B and Area E): Several costs are no longer applicable in the 2020 budget: the accounting expense and the repayment of referendum costs have been eliminated. Lakes District Arts Council have indicated they are very pleased with their annual grant and do not wish an increase to their budget. Burns Lake Library wishes to increase their budget by an estimated \$33,000 for 2020 and wish to present the rationale for the increase to the service contributors. The Lakes District Festival Society wish to present to the associated directors to receive a small monthly grant in 2020. Due to the nature of this service, a meeting between the Directors of Area B and Area E and the Village of Burns Lake Council (and appropriate staff) is recommended to further discuss this budget.

**Cemetery Grants** (Areas B, C and G): The Grants continue for the maintenance of the Fort Fraser and Topley local cemeteries in 2020, the Societies have not brought forward any funding concerns.



**Smithers, Telkwa, Houston Television Rebroadcasting (Areas A and G):** The Society has indicated that they are well funded after the increase in 2018. The budget for this Society is proposed to continue at \$60,000.

**Fraser Lake and Area Television Broadcasting (Area D):** This year the budget increases to \$83,750 (the 2019 amount was \$73,375) as part of the two-part 25% grant increase (with the first 12.5% increase happening in 2019 and the last half proposed to happen in 2020. The 2018 amount was \$67,000.

**Fort St. James and Area Television Broadcasting (Area C):** This year the budget is maintained and is at the bylaw maximum. The bylaw may be reviewed again in 2021 for an increase.

**Burns Lake and Area Television Rebroadcasting (Area B and E):** This year sees a small decrease as the need for a capital grant contribution decreased. The capital grant contribution is designed to eventually replace the towers at Verdun and Boer Mountain. One half of the \$100,000 cost is to be placed in a capital reserve to allow for the ability to apply for “matching” grant funds. The adequacy of the capital reserve will be reviewed in 2021.

**Fraser Lake Library (Area D):** This year the budget increases to \$36,234 (the 2019 amount was \$30,195) as part of the two-part 50% grant increase (with the first 25% increase happening in 2019 and the last half proposed to happen in 2020. The 2018 amount was \$24,156.

**Fort St. James Library Grant (Area C):** The maximum grant of \$17,187 was reached in 2019. This same grant is proposed in 2020. The next bylaw review for increase is in 2024.

**Community Hall Grants (Areas D and F):** The maximum grant for both the Fort Fraser Community Hall and the Braeside Community Hall is currently being provided and are proposed again for 2020. The Fort Fraser Community Hall bylaw is currently eligible for a 25% increase.

The cost summary of local area services discussed in this memo is in the attached table:



	Per \$1,000 of assessed value		
	All EA	Partial EA	Combined
Area A	\$ 0.035	\$ 0.030	\$ 0.065
Area B	\$ 1.459	\$ -	\$ 1.459
Area C	\$ 0.027	\$ 0.615	\$ 0.642
Area D	\$ 0.216	\$ -	\$ 0.216
Area E	\$ 0.688	\$ 0.502	\$ 1.190
Area F	\$ -	\$ 0.362	\$ 0.362
Area G	\$ -	\$ 0.030	\$ 0.030

Table 1

Services that include the whole of an electoral Area is in the first column. Services that encompass only a portion of an Electoral Area are in the second column. Some services are not included - these are the Street Lighting Services and services that utilize parcel tax. As an example, those residents in Area E, living in the Burns Lake Arena Service Area, will be taxed at \$1.190 per \$1000 of assessed value.

This chart only includes those local services discussed in this memo (and does not include those that will be presented later such as Protective Services or Vanderhoof Pool.

**Recommendation:**

(All/Directors/Majority)

1. That Electoral Area Directors (Area A – Telkwa and Smithers; Area B – Burns Lake; Area C – Fort St. James; and Area F – Vanderhoof) attend the municipal budget deliberations for the fire department associated with their local contracted fire.
2. That the Electoral Area Director for Area A attend the Town of Smithers municipal budget deliberations for Smithers Recreation and Culture Service.
3. That the Electoral Area Director for Area F attend the Town of Vanderhoof municipal budget deliberations for the operation of the Vanderhoof Pool.
4. That the Rural Directors Committee recommend to the Board to repeal the Stuart-Neuchako Economic Development Service and that any surplus be transferred to the Economic Development Department for projects in the Stuart-Neuchako area.
5. That the Rural Directors provide their 2020 Electoral Area economic development plans to the financial department.
6. That the Rural Directors Committee recommend to the Board to include the Clucluz Lake Sewer budget in the 2020 Financial Plan.





7. That the Rural Directors Committee recommend to the Board to include the Lake Kathlyn Aquatic Weed Harvesting and Glacier Gulch Water Diversion Service budgets in the 2020 Financial Plan.
8. That the Rural Directors Committee recommend to the Board to include the Burns Lake & Area Victim Services and the Smithers Victim Services budgets in the 2020 Financial Plan.
9. That the Rural Directors Committee recommend to the Board to include the Lakes District Airport Service budget in the 2020 Financial Plan.
10. That the Rural Directors Committee recommend to the Board to include the Fort St. James Seniors Helping Seniors budget in the 2020 Financial Plan.
11. That the Rural Directors Committee recommend to the Board to include the Telkwa Pedestrian Crosswalk Service budget in the 2020 Financial Plan.
12. That the Rural Directors Committee recommend to the Board to include the Street Lighting Services in the 2020 Financial Plan.
13. That the Rural Directors Committee recommend to the Board to include the Fort St. James Arena Grant Service budget in the 2020 Financial Plan.
14. That the Rural Directors Committee recommend to the Board to include the Vanderhoof Recreation and Culture Grant Service budget in the 2020 Financial Plan.
15. That the Rural Directors Committee recommend to the Board to include the Fort Fraser and Topley Cemetery Grant budgets in the 2020 Financial Plan.
16. That the Rural Directors Committee recommend to the Board to include Budget for the Smithers, Telkwa, Houston Television Rebroadcasting Grant in the 2020 Financial Plan.
17. That the Rural Directors Committee recommend to the Board to include Budget for the Fraser Lake and Area Television Broadcasting Grant in the 2020 Financial Plan.
18. That the Rural Directors Committee recommend to the Board to include Budget for the Fort St. James and Area Television Broadcasting Grant in the 2020 Financial Plan.
19. That the Rural Directors Committee recommend to the Board to include Budget for the Burns Lake and Area Television Rebroadcasting Grant in the 2020 Financial Plan.
20. That the Rural Directors Committee recommend to the Board to include Budget for the Fraser Lake Library Grant in the 2020 Financial Plan.



21. That the Rural Directors Committee recommend to the Board to include Budget for the Fort St. James Library Grant in the 2020 Financial Plan.
22. That the Rural Directors Committee recommend to the Board to include Budget for the Fort Fraser Community Hall and Braeside Community Hall in the 2020 Financial Plan.
23. That the Rural Directors direct staff to arrange a meeting between Electoral Area Directors for Area B and Area E and the Village of Burns Lake Council to discuss the Lakes District Arts and Culture budget and the Burns Lake Arena Budget.



**REGIONAL DISTRICT OF BULKLEY-NECHAKO**  
**Stuart-Nechako Economic Development**

**(2300)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan: 2020	2021	2022	2023	2024																				
<b>REVENUE:</b>																													
400004 Taxation - Apportionment on Population																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">2001 Census Population</td> <td style="text-align: right;">14,372</td> <td style="text-align: right;">14,372</td> <td style="text-align: right;">14,372</td> <td style="text-align: right;">14,372</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Estimated Tax Rate per Capita</td> <td style="text-align: right;">-</td> <td style="text-align: right;">-</td> <td style="text-align: right;">-</td> <td style="text-align: right;">-</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										2001 Census Population	14,372	14,372	14,372	14,372						Estimated Tax Rate per Capita	-	-	-	-					
2001 Census Population	14,372	14,372	14,372	14,372																									
Estimated Tax Rate per Capita	-	-	-	-																									
Municipalities - Fraser Lake, Vanderhoof, Fort St. James Electoral Areas - "C", "D", and "F"																													
Bylaw 1460, Tax Limitation - \$50,000 Levy on Improvements Only			0		0	0	0	0	0																				
446001 Grants In Lieu of Taxes																													
446002 Grant in Lieu of Alcan Taxes			0		0	0	0	0	0																				
480001 Miscellaneous Income (Return of Funds from REDI)			0																										
499999 Prior Year's Surplus	10,218	10,218	8,692	8,692	8,692																								
<b>TOTAL REVENUE.....</b>	<b>10,218</b>	<b>10,218</b>	<b>8,692</b>	<b>8,692</b>	<b>8,692</b>	-	-	-	-																				
<b>EXPENDITURE:</b>																													
600101 Director's Remuneration		737																											
600201 Director's Travel		321																											
609011 Meeting Expense		396																											
779999 Miscellaneous Expense		72	8,692		8,692																								
799999 Prior Year Deficit																													
<b>TOTAL EXPENDITURE.....</b>	<b>-</b>	<b>1,526</b>	<b>8,692</b>	<b>-</b>	<b>8,692</b>	-	-	-	-																				
<b>Revenues minus Expenditures</b>	<b>10,218</b>	<b>8,692</b>	<b>-</b>	<b>8,692</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>																				

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
ELECTORAL AREA "A" ECONOMIC DEVELOPMENT**

**(2401)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
<u>Taxation</u>									
400004 Electoral Area "A"									
Taxation on Improvements Only									
Converted Hospital Assessments - Improvements Only (Completed Roll)	51,854,682	51,854,682	57,786,858		57,786,858				
Estimated Residential Tax Rate on Improvements Only (cents per \$1,000)	0.08	0.02	0.0173		0.0173				
Total Assessments - Land and Improvements (Completed Roll)	683,203,263	683,203,263	752,842,910		752,842,910				
Estimated Residential Tax Rate on Land and Improvements (cents per \$	0.06	0.01	0.01		0.01				
Bylaw 1566, 2010, tax limit \$0.11 per \$1,000	40,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
499999 Prior Year's Surplus			10,000	10,000	15,000				
<b>TOTAL REVENUE</b> .....	<b>40,000</b>	<b>10,000</b>	<b>20,000</b>	<b>20,000</b>	<b>25,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>
<b>EXPENDITURE:</b>									
612220 Monthly Grants									
Bulkley Valley Economic Development Association	40,000				-	-	-	-	-
612801 Special Projects			20,000	5,000	25,000	10,000	10,000	10,000	10,000
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE</b> .....	<b>40,000</b>	<b>-</b>	<b>20,000</b>	<b>5,000</b>	<b>25,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>
<b>Revenues minus Expenditures</b>	<b>-</b>	<b>10,000</b>	<b>-</b>	<b>15,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
ELECTORAL AREA "B" ECONOMIC DEVELOPMENT**

**(2402)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:																																
					2020	2021	2022	2023	2024																												
<b>REVENUE:</b>																																					
<u>Taxation</u>																																					
400004	Electoral Area "B"																																				
Taxation on Improvements Only																																					
<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Converted Hospital Assessments - Improvements Only (Completed Roll)</td> <td style="width: 15%; text-align: right;">23,090,681</td> <td style="width: 15%; text-align: right;">23,090,681</td> <td colspan="4"></td> </tr> <tr> <td>Estimated Residential Tax Rate on Improvements Only (cents per \$1,000)</td> <td></td> <td style="text-align: right;">0.2747</td> <td colspan="4"></td> </tr> <tr> <td>Total Assessments - Land and Improvements (Completed Roll)</td> <td style="text-align: right;">206,449,663</td> <td style="text-align: right;">206,449,663</td> <td colspan="4"></td> </tr> <tr> <td>Estimated Residential Tax Rate on Land and Improvements (cents per \$1,000)</td> <td style="text-align: right;">0.01</td> <td style="text-align: right;">0.31</td> <td colspan="4"></td> </tr> </table>										Converted Hospital Assessments - Improvements Only (Completed Roll)	23,090,681	23,090,681					Estimated Residential Tax Rate on Improvements Only (cents per \$1,000)		0.2747					Total Assessments - Land and Improvements (Completed Roll)	206,449,663	206,449,663					Estimated Residential Tax Rate on Land and Improvements (cents per \$1,000)	0.01	0.31				
Converted Hospital Assessments - Improvements Only (Completed Roll)	23,090,681	23,090,681																																			
Estimated Residential Tax Rate on Improvements Only (cents per \$1,000)		0.2747																																			
Total Assessments - Land and Improvements (Completed Roll)	206,449,663	206,449,663																																			
Estimated Residential Tax Rate on Land and Improvements (cents per \$1,000)	0.01	0.31																																			
Bylaw 1867 No Limit					63,419	63,169	63,169	63,169	63,169																												
499999	Prior Year's Surplus																																				
TOTAL REVENUE.....	-	-	-	-	63,419	63,169	63,169	63,169	63,169																												
<b>EXPENDITURE:</b>																																					
612220	Monthly Grants																																				
612240	Grant to Village of Burns Lake (for Info Centre)	60.9%			22,639	22,639	22,639	22,639	22,639																												
612241	Grant to Village of Burns Lake (For EDO)				40,531	40,531	40,531	40,531	40,531																												
612801	Special Projects				0	0	0	0	0																												
799999	Establishment Costs				250																																
TOTAL EXPENDITURE.....	-	-	-	-	63,419	63,169	63,169	63,169	63,169																												
<b>Revenues minus Expenditures</b>	-	-	-	-	-	-	-	-	-																												

**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
ECONOMIC DEVELOPMENT - ELECTORAL AREA "E"**

**(2405)**

	2017 Actual	2018 Actual	2019 Budget	Year end Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
<b>Taxation</b>									
400004 Electoral Area "E" Improvements Only									
Converted Hospital Assessments (Completed Roll)	14,388,418	14,388,418	15,147,276		15,147,276				
Estimated Residential Tax Rate (cents per \$1,000)	0.0573	0.0481	0.0660		-				
Bylaw 1868 No Limit	8,249	6,927	10,000	10,000	-	10,000	10,000	10,000	10,000
446002 Grant in Lieu of Alcan Taxes	11,781	9,789	12,751	12,751	0	11,000	11,000	11,000	11,000
499999 Prior Year's Surplus	9,751	21,981	29,697	29,697	42,448				
<b>TOTAL REVENUE.....</b>	<b>29,781</b>	<b>38,697</b>	<b>52,448</b>	<b>52,448</b>	<b>42,448</b>	<b>21,000</b>	<b>21,000</b>	<b>21,000</b>	<b>21,000</b>
<b>EXPENDITURE:</b>									
607001 Legal Expense									
609011 Supplies - meetings									
612220 Southside Economic Development Association			15,000	0	15,000	0	0	0	0
612240 ANNUAL Village of Burns Lake Visitor Information Ce	9,000	9,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
612801 Special Projects Contingency	800		27,448	-	17,198	11,000	11,000	11,000	11,000
779999 Miscellaneous Expense					250				
781001 Contribution to Reserve	(2,000)		-		-	-	-	-	-
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>7,800</b>	<b>9,000</b>	<b>52,448</b>	<b>10,000</b>	<b>42,448</b>	<b>21,000</b>	<b>21,000</b>	<b>21,000</b>	<b>21,000</b>
<b>Revenues minus Expenditures</b>	<b>21,981</b>	<b>29,697</b>	<b>-</b>	<b>42,448</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
ELECTORAL AREA "G" ECONOMIC DEVELOPMENT**

**(2406)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:																																												
					2020	2021	2022	2023	2024																																								
<b>REVENUE:</b>																																																	
<u>Taxation</u>																																																	
400004 Electoral Area "G"																																																	
Taxation on Improvements Only																																																	
<table border="1"> <tr> <td>Converted Hospital Assessments - Improvements Only (Completed Roll)</td> <td></td> <td></td> <td>9,674,898</td> <td></td> <td>9,674,898</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Estimated Residential Tax Rate on Improvements Only (cents per \$1,000)</td> <td></td> <td></td> <td></td> <td></td> <td>0.0026</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Assessments - Land and Improvements (Completed Roll)</td> <td></td> <td></td> <td>107,799,336</td> <td></td> <td>107,799,336</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Estimated Residential Tax Rate on Land and Improvements (cents per \$1,000)</td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										Converted Hospital Assessments - Improvements Only (Completed Roll)			9,674,898		9,674,898					Estimated Residential Tax Rate on Improvements Only (cents per \$1,000)					0.0026					Total Assessments - Land and Improvements (Completed Roll)			107,799,336		107,799,336					Estimated Residential Tax Rate on Land and Improvements (cents per \$1,000)					0.00				
Converted Hospital Assessments - Improvements Only (Completed Roll)			9,674,898		9,674,898																																												
Estimated Residential Tax Rate on Improvements Only (cents per \$1,000)					0.0026																																												
Total Assessments - Land and Improvements (Completed Roll)			107,799,336		107,799,336																																												
Estimated Residential Tax Rate on Land and Improvements (cents per \$1,000)					0.00																																												
Bylaw 1875 No Limit					250	-	-	-	-																																								
499999 Prior Year's Surplus																																																	
<b>TOTAL REVENUE.....</b>					<b>250</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>																																								
<b>EXPENDITURE:</b>																																																	
612220 Monthly Grants																																																	
Establishment Costs																																																	
612801 Special Projects					0	0	0	0	0																																								
799999 Prior Year's Deficit																																																	
<b>TOTAL EXPENDITURE.....</b>					<b>250</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>																																								
<b>Revenues minus Expenditures</b>					<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>																																								

**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
LAKE KATHLYN AQUATIC WEED HARVESTING**

**(5902)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
<b>Taxation</b>									
400003 Parcel Tax									
Number of Parcels	54	54	54	54	54				
Parcel Tax per Parcel	138	153	152	153	153				
400004 Portion of Electoral Area "A" By-law No. 969, 1996 - No limitation	7,472	8,272	8,272	8,191	8,267	8,281	8,256	8,256	8,256
450002 Fees from Watson's Landing	544	544	544	544	544	544	544	544	544
450001 Payment in lieu of taxes - Town of Smithers	150	150	150	150	150	150	150	150	150
499999 Prior Year's Surplus	9	9	9	90	14	-	-	-	-
<b>TOTAL REVENUE.....</b>	<b>8,175</b>	<b>8,975</b>	<b>8,975</b>	<b>8,975</b>	<b>8,975</b>	<b>8,975</b>	<b>8,950</b>	<b>8,950</b>	<b>8,950</b>
<b>EXPENDITURE:</b>									
606003 Advertising - parcel tax local court of revision	166	166	175	189	175	175	150	150	150
612201 Annual Contribution to Society	8,000	8,000	8,800	8,800	8,800	8,800	8,800	8,800	8,800
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>8,166</b>	<b>8,166</b>	<b>8,975</b>	<b>8,989</b>	<b>8,975</b>	<b>8,975</b>	<b>8,950</b>	<b>8,950</b>	<b>8,950</b>
<b>Revenues minus Expenditures</b>	<b>9</b>	<b>809</b>	<b>-</b>	<b>(14)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**REGIONAL DISTRICT OF BULKLEY NECHAKO  
GLACIER GULCH WATER DIVERSION**

**(5903)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400003 Taxation Parcel Tax									
Number of Parcels	54	55	55	55					
Parcel Tax per Parcel	45	48	48	48					
400004 Portion of Electoral Area "A" By-law No. 1816, 2017 - \$6,250 Limitation	2,420	2,662	2,662		2,653	2,653	2,653	2,653	2,653
420001 Transfer from Capital Reserve Fund									
450002 Fee from Watson's Landing	180	180	180		180	180	180	180	180
450001 Fees in lieu of taxes - Town of Smithers	25	25	25		25	25	25	25	25
499999 Prior Year's Surplus	16,573	13,485	10,147		-				
<b>TOTAL REVENUE</b> .....	<b>19,198</b>	<b>16,352</b>	<b>13,014</b>	<b>-</b>	<b>2,858</b>	<b>2,858</b>	<b>2,858</b>	<b>2,858</b>	<b>2,858</b>
<b>EXPENDITURE:</b>									
603004 Maintenance/Reconstruction of Water Diversion	3,942	6,120	7,706		2,550	2,550	2,550	2,550	2,550
606003 Advertising - parcel tax local court of revision	166	85	175		175	175	175	175	175
607001 Legal	1,605								
781004 Capital/Equipment Reserve			5,000						
608004 Water Licence			133		133	133	133	133	133
<b>TOTAL EXPENDITURE</b> .....	<b>5,713</b>	<b>6,205</b>	<b>13,014</b>	<b>-</b>	<b>2,858</b>	<b>2,858</b>	<b>2,858</b>	<b>2,858</b>	<b>2,858</b>
<b>Revenues minus Expenditures</b>	<b>13,485</b>	<b>10,147</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
BURNS LAKE & AREA VICTIM SERVICES**

**(7701)**

	2017 Actual	2018 Actual	2019 Budget	Year end Actual	Five Year Financial Plan:																																										
					2020	2021	2022	2023	2024																																						
<b>REVENUE:</b>																																															
Taxation on Improvements only																																															
Taxes apportioned 60% VBL, 20% Area "B" and 20% Area "E"																																															
400004	Electoral Areas "B" & "E"																																														
400005	Village of Burns Lake																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Converted Hospital Assessments (Completed Roll)</td> <td style="width: 10%;">49,837,031</td> <td style="width: 10%;">51,084,886</td> <td style="width: 10%;">53,032,997</td> <td style="width: 10%;"></td> <td style="width: 10%;">53,032,997</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td rowspan="3">Estimated Tax Rate (cents per \$1,000)</td> <td>VBL</td> <td>0</td> <td>0.036</td> <td>0.0450</td> <td>0.0522</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Area B</td> <td>0</td> <td>0.007</td> <td>0.0096</td> <td>0.0112</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Area E</td> <td>0.01</td> <td>0.011</td> <td>0.0147</td> <td>0.0170</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										Converted Hospital Assessments (Completed Roll)	49,837,031	51,084,886	53,032,997		53,032,997					Estimated Tax Rate (cents per \$1,000)	VBL	0	0.036	0.0450	0.0522					Area B	0	0.007	0.0096	0.0112					Area E	0.01	0.011	0.0147	0.0170				
Converted Hospital Assessments (Completed Roll)	49,837,031	51,084,886	53,032,997		53,032,997																																										
Estimated Tax Rate (cents per \$1,000)	VBL	0	0.036	0.0450	0.0522																																										
	Area B	0	0.007	0.0096	0.0112																																										
	Area E	0.01	0.011	0.0147	0.0170																																										
Bylaw 1682, 2013																																															
Tax Limit \$20,000																																															
	5,646	8,254	11,107		12,880	13,380	13,380	13,380	13,380																																						
446001	102	178	0		0	0	0	0	0																																						
446002	1,613	2,344	2,795		2,795	2,795	2,795	2,795	2,795																																						
480001	8,263		0		0																																										
499999	7,223	7,172	2,273		500																																										
<b>TOTAL REVENUE.....</b>	<b>22,847</b>	<b>17,948</b>	<b>16,175</b>	<b>-</b>	<b>16,175</b>	<b>16,175</b>	<b>16,175</b>	<b>16,175</b>	<b>16,175</b>																																						
<b>EXPENDITURE:</b>																																															
611001 Repayment of Alternative Approval Costs																																															
612240	15,675	15,675	15,675		15,675	15,675	15,675	15,675	15,675																																						
605999			500		500	500	500	500	500																																						
799999																																															
<b>TOTAL EXPENDITURE.....</b>	<b>15,675</b>	<b>15,675</b>	<b>16,175</b>	<b>-</b>	<b>16,175</b>	<b>16,175</b>	<b>16,175</b>	<b>16,175</b>	<b>16,175</b>																																						
<b>Revenues minus Expenditures</b>	<b>7,172</b>	<b>2,273</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>																																						

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
Smithers Victim Services**

**(7702)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
Taxation on Land and Improvements									
400004 Electoral Area "A"									
400005 Town of Smithers and Village of Telkwa									
Converted Hospital Assessments (Completed Roll)	185,967,874	185,967,874	204,741,761		204,741,761				
Estimated Tax Rate (cents per \$1,000)									
Telkwa	0.0225	0.0190	0.0173		0.0181				
Smithers	0.0225	0.0190	0.0173		0.0181				
Area A	0.0225	0.0190	0.0173		0.0181				
Bylaw 1776, 2016									
Tax Limit \$45,000	41,825	35,349	35,438		36,973	37,343	37,716	38,093	38,474
446001 Grants in Lieu of Taxes	625	534							
499999 Prior Year's Surplus		1,625	1,535		-				
<b>TOTAL REVENUE.....</b>	<b>42,450</b>	<b>37,508</b>	<b>36,973</b>	<b>-</b>	<b>36,973</b>	<b>37,343</b>	<b>37,716</b>	<b>38,093</b>	<b>38,474</b>
<b>EXPENDITURE:</b>									
611001 Repayment of Alternative Approval Costs	4,852								
612240 Annual Grant to Nothern Society for Domestic Peace	35,973	35,973	36,973		36,973	37,343	37,716	38,093	38,474
605999 Special Projects Contingency			0		0	0	0	0	0
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>40,825</b>	<b>35,973</b>	<b>36,973</b>	<b>-</b>	<b>36,973</b>	<b>37,343</b>	<b>37,716</b>	<b>38,093</b>	<b>38,474</b>
<b>Revenues minus Expenditures</b>	<b>1,625</b>	<b>1,535</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
CLUCULZ LAKE - SOMERSET ESTATES SEWER**

**(6301)**

	2017 Actual	2018 Actual	2019 Budget	Year end Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
450001 Connection Fees									
400003 Taxation									
Number of Parcels	88	88	88		88				
Parcel Tax per Parcel					29.55				
By-law No. 1860 (829) -\$11,250 Limitation			2,600	2,600	2,600	2,600	2,600	2,600	2,600
499999 Prior Years Surplus	3,358	3,358	2,608	2,608	5,119	0	0	0	0
<b>TOTAL REVENUE</b> .....	<b>3,358</b>	<b>3,358</b>	<b>5,208</b>	<b>5,208</b>	<b>7,719</b>	<b>2,600</b>	<b>2,600</b>	<b>2,600</b>	<b>2,600</b>
<b>EXPENDITURE:</b>									
606003 Advertising			150	89	150	150	150	150	150
Parcel Tax Local Court of Revision									
607001 Legal and Administration			500	0	500				
779999 Miscellaneous Expense	3,358	3,358	4,558	0	7,069	2,450	2,450	2,450	2,450
<b>TOTAL EXPENDITURE</b> .....	<b>3,358</b>	<b>3,358</b>	<b>5,208</b>	<b>89</b>	<b>7,719</b>	<b>2,600</b>	<b>2,600</b>	<b>2,600</b>	<b>2,600</b>
<b>Revenues minus Expenditures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,119</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**REGIONAL DISTRICT OF BULKLEY NECHAKO  
LAKES DISTRICT AIRPORT**

**(8101)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400004	Taxation on Improv. Only								
400004	Electoral Areas "B" & "E"								
400005	Village of Burns Lake								
	49,837,031	51,084,886	53,032,997		53,032,997				
	0.2027	0.2135	0.2074		0.1914				
<b>Limitation = \$190,000 per Bylaw No. 1751, 2015</b>	100,998	109,056	109,965		101,527	101,227	91,002	91,002	91,002
420001	Withdrawal from Capital Reserve								
430003	Debenture Debt								
442101	Grants								
441001	Donations and other Grants								
446001	814	1,063	500		500	500	500	500	500
446002	38,972	44,762	40,998		40,998	40,998	40,998	40,998	40,998
480001	Miscellaneous Revenue								
499999	11,537	8,521	12,062		-				
<b>TOTAL REVENUE.....</b>	<b>152,321</b>	<b>163,402</b>	<b>163,525</b>	<b>-</b>	<b>143,025</b>	<b>142,725</b>	<b>132,500</b>	<b>132,500</b>	<b>132,500</b>
<b>EXPENDITURE:</b>									
612220	75,000	80,000	82,500		82,500	82,500	82,500	82,500	82,500
605999			10,000		0	0	0	0	0
784001	33,525	33,525	33,525		33,525	33,525			
783001	2,483	2,815	2,500		2,000	1,700			
611001	12,207								
612201	15,585		0		0				
781001	5,000	35,000	35,000		25,000	25,000	50,000	50,000	50,000
779999	Miscellaneous Expense								
799999	Prior year's deficit								
<b>TOTAL EXPENDITURE.....</b>	<b>143,800</b>	<b>151,340</b>	<b>163,525</b>	<b>-</b>	<b>143,025</b>	<b>142,725</b>	<b>132,500</b>	<b>132,500</b>	<b>132,500</b>
<b>Revenues minus Expenditures</b>	<b>8,521</b>	<b>12,062</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

see

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
SMITHERS PARA-TRANSIT**

**(8201)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
TAXATION									
400004 Electoral Area "A"									
Taxation on Improvements only									
Converted Hospital Assessments (Completed Roll)	51,854,682	52,569,062	57,958,211	57,958,211					
Estimated Residential Tax Rate (cents per \$1,000)	0.0096	0.0095	-	-					
Bylaw No.656, 1992: Limitation \$5,000	5,000	5,000			0	0	0	5,000	5,000
446001 Grants in Lieu of Taxes									
499999 Prior Year's Surplus									
<b>TOTAL REVENUE:</b>	<b>5,000</b>	<b>5,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,000</b>	<b>5,000</b>
<b>EXPENDITURE:</b>									
612201 Annual Grant to Town of Smithers	5,000	5,000			0	0	0	5,000	5,000
799999 Prior Year Deficit									
<b>TOTAL EXPENDITURE:</b>	<b>5,000</b>	<b>5,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,000</b>	<b>5,000</b>
<b>Revenues minus Expenditures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO**  
**Fort St. James Seniors Helping Seniors Transportation Service**

**(8202)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400004 Taxation - Land and Improvements District of Fort St. James and a Portion of Electoral Area "C"									
Converted Hospital Assessments	44,629,121	53,781,078	54,044,251	54,044,251					
Estimated Residential Tax Rate (cents per \$1,000)	0.09	0.08	0.08	0.0781					
<b>By-law No.1750 Tax limit \$43,000</b>	42,364	43,000	41,806	42,200	43,000	43,000	43,000	43,000	43,000
446001 Grants in Lieu of Taxes	700	1,194	500	800	800	800	800	800	800
499999 Surplus	738	700	1,194	0					
<b>TOTAL REVENUE.....</b>	<b>- 43,802</b>	<b>44,894</b>	<b>43,500</b>	<b>-</b>	<b>43,000</b>	<b>43,800</b>	<b>43,800</b>	<b>43,800</b>	<b>43,800</b>
<b>EXPENDITURE:</b>									
605999 Contingency			500						
612201 Grant to District of Fort St. James	43,000	43,700	43,000	43,000	43,000	43,000	43,000	43,000	43,000
611001 Repayment of Alternative Approval Costs	102								
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>43,102</b>	<b>43,700</b>	<b>43,500</b>	<b>-</b>	<b>43,000</b>	<b>43,000</b>	<b>43,000</b>	<b>43,000</b>	<b>43,000</b>
	700	1,194	-	-					

**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
TELKWA PEDESTRIAN CROSSWALK**

**(8301)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
Taxion on Improvements Only									
400004 Electoral Area "A"									
Converted Hospital Improvements Only (Completed Roll)	52,129,319	51,854,682	57,958,211		57,958,211				
Estimated Residential Tax Rate (cents per \$1,000)	0.0019	0.0019	0.0017		0.0017				
Bylaw 646, 1991: Limitation \$1,000	1,000	1,000	1,000		1,000	1,000	1,000	1,000	1,000
446001 Grants in Lieu of Taxes									
499999 Prior Year's Surplus			0		0				
<b>TOTAL REVENUE:</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>-</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>
<b>EXPENDITURE:</b>									
612201 Annual Grant to the Village of Telkwa	1,000	1,000	1,000		1,000	1,000	1,000	1,000	1,000
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE:</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>-</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>
<b>Revenues minus Expenditures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
DECKER LAKE STREET LIGHTING**

**(9101)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400003 Taxation									
Specified portion of Electoral Area B									
Parcel Tax									
Number of Parcels	58	58	58		58				
Parcel Tax per Parcel	164.42	162.33	171.65		178.17				
Bylaw 123, 1976 No limitation	9,536	9,415	9,956		10,334	10,853	11,398	11,970	12,571
450001 School District # 91									
Charge for 2 lights on School's driveway	350	350	350		350	350	350	350	350
499999 Prior Year's Surplus	195	326	275		0				
<b>TOTAL REVENUE</b> .....	<b>10,081</b>	<b>10,091</b>	<b>10,581</b>	<b>-</b>	<b>10,684</b>	<b>11,203</b>	<b>11,748</b>	<b>12,320</b>	<b>12,921</b>
<b>EXPENDITURE</b>									
602001 Utilities - Hydro									
35 x 150 Watt Street Lights @ \$18.61mo	9,461	9,666	10,281		10,384	10,903	11,448	12,020	12,621
+ 5% rate rider + 7%PST/mo									
+ 5% cushion for possible rate increase									
606003 Advertising	294	150	300		300	300	300	300	300
Parcel Tax Local Court of Revision									
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE</b> .....	<b>9,755</b>	<b>9,816</b>	<b>10,581</b>	<b>-</b>	<b>10,684</b>	<b>11,203</b>	<b>11,748</b>	<b>12,320</b>	<b>12,921</b>
<b>Revenues minus Expenditures</b>	<b>326</b>	<b>275</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
ENDAKO STREET LIGHTING**

**(9102)**

	2017 Actual	2018 Actual	2019 Budget	Year end Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400004 Taxation									
Specified Portion of Electoral Area D									
Converted Hospital Assessments (Completed Roll)	173,207	175,906	179,547		179,547				
Estimated Residential Tax Rate (cents per \$1,000)	1.8513	1.7944	1.8453		1.9493				
Bylaw 130, 1976 No limitation	3,207	3,157	3,313		3,500	3,691	3,891	4,102	4,323
460001 Ministry of Highways Cost Recovery	316	321	320		320	320	320	320	320
499999 Prior Year's Surplus	171	221	148		0				
<b>TOTAL REVENUE.....</b>	<b>3,694</b>	<b>3,699</b>	<b>3,782</b>	<b>-</b>	<b>3,820</b>	<b>4,011</b>	<b>4,211</b>	<b>4,422</b>	<b>4,643</b>
<b>EXPENDITURE:</b>									
602001 Utilities - Hydro									
There are 7 x 150 Watt street lights @ \$18.61/mo and 7 x 100 Watt street lights @ \$15.61/mo. + 5% rate rider + 7% PST/mo + 5% cushion for possible rate increase	3,473	3,551	3,782		3,820	4,011	4,211	4,422	4,643
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>3,473</b>	<b>3,551</b>	<b>3,782</b>	<b>-</b>	<b>3,820</b>	<b>4,011</b>	<b>4,211</b>	<b>4,422</b>	<b>4,643</b>
<b>Revenues minus Expenditures</b>	<b>221</b>	<b>148</b>	<b>(0)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>



**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
FORT FRASER STREET LIGHTING**

**(9103)**

	2017 Actual	2018 Actual	2019 Budget	Year end Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400004 Taxation									
Converted Hospital Assessments (Completed Roll)	993,459	1,045,446	1,066,989		1,066,989				
Estimated Residential Tax Rate (cents per \$1,000)	0.734	0.6987	0.7246		0.7548				
Specified Portion of Electoral Area D "Letters Patent", Land & Improvements, No limit	7,292	7,304	7,731		8,054	8,376	8,819	9,285	9,774
460001 Ministry of Highways Cost Recovery	494	499	490		490	490	490	490	490
499999 Prior Year's Surplus	817	805	639		0				
<b>TOTAL REVENUE.....</b>	<b>8,603</b>	<b>8,608</b>	<b>8,860</b>	<b>-</b>	<b>8,544</b>	<b>8,866</b>	<b>9,309</b>	<b>9,775</b>	<b>10,264</b>
<b>EXPENDITURE:</b>									
602001 Utilities - Hydro	7,798	7,969	8,360		8,444	8,866	9,309	9,775	10,264
There are 23 x 150 Watt street lights @ \$20.52/mo and 7 x 100 Watt street lights @ \$17.21/mo. + 5% rate rider + 7% PST +5% per year cushion for possible rate increases									
779999 Misc. Expense			500		100	-	-	-	-
799999 Prior Year Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>7,798</b>	<b>7,969</b>	<b>8,860</b>	<b>-</b>	<b>8,544</b>	<b>8,866</b>	<b>9,309</b>	<b>9,775</b>	<b>10,264</b>
<b>Revenues minus Expenditures</b>	<b>805</b>	<b>639</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
GEROW ISLAND STREET LIGHTING**

**(9104)**

	2017 Actual	2018 Actual	2019 Budget	Year end Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400004 Taxation									
Specified Portion Electoral Area "B"									
Converted Hospital Assessments (Completed Roll)	790,057	786,432	760,847		760,847				
Estimated Residential Tax Rate (cents per \$1,000)	0.50	0.52	0.5720		0.5821				
Bylaw 456, 1985 No Limitation	3,954	4,055	4,352		4,429	4,650	4,883	5,127	5,383
499999 Prior Year's Surplus	222	121	33		0				
<b>TOTAL REVENUE.....</b>	<b>4,176</b>	<b>4,176</b>	<b>4,385</b>	<b>-</b>	<b>4,429</b>	<b>4,650</b>	<b>4,883</b>	<b>5,127</b>	<b>5,383</b>
<b>EXPENDITURE:</b>									
602001 Utilities - Hydro									
There are 15 x 150 Watt street lights @ \$19.73 + 5% rate rider + 7% PST/mo +5% per year cushion for possible rate increases	4,176	4,143	4,385		4,429	4,650	4,883	5,127	5,383
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>4,176</b>	<b>4,143</b>	<b>4,385</b>	<b>-</b>	<b>4,429</b>	<b>4,650</b>	<b>4,883</b>	<b>5,127</b>	<b>5,383</b>
<b>Revenues minus Expenditures</b>	<b>-</b>	<b>33</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
COLONY POINT STREET LIGHTING**

**(9106)**

	2017 Actual	2018 Actual	2019 Actual	2019 Actual	Five Year Financial Plan:				
					2020	2019	2020	2021	2022
<b>REVENUE:</b>									
400004 Taxation - Land and Improvements Portion Electoral Area 'C'									
Converted Assessments (Completed Roll)	1,178,100	1,267,850	1,232,050		1,232,050				
Estimated Residential Tax Rate (cents per \$1,000)	0.31	0.31	0.2351		0.2381				
Total Assessments (Completed Roll)	11,781,000	12,678,500	12,320,500		12,320,500				
Tax Rate on Total Assessments	0.31	0.31	0.24		0.24				
Bylaw 1792, 2017 Tax Limit \$0.36/\$1,000 on Total Assessments	3,616	3,884	2,896		2,934	3,081	3,235	3,397	3,566
480001 Miscellaneous Revenue									
499999 Prior Year's Surplus			838		0				
<b>TOTAL REVENUE.....</b>	<b>3,616</b>	<b>3,884</b>	<b>3,734</b>	<b>-</b>	<b>2,934</b>	<b>3,081</b>	<b>3,235</b>	<b>3,397</b>	<b>3,566</b>
<b>EXPENDITURE:</b>									
602001 Utilities - Hydro	3,514	2,762	2,905		2,934	3,081	3,235	3,397	3,566
There are 10 x 150 Watt street lights @ \$18.61/mo + 5% rate rider + 7% PST/mo +5% per year cushion for possible rate increases									
Contingency			829						
780101 Amortization Expense									
779999 Miscellaneous Expenditures (Street Light Installation)									
799999 Prior Year's Deficit	386	284							
<b>TOTAL EXPENDITURE.....</b>	<b>3,900</b>	<b>3,046</b>	<b>3,734</b>	<b>-</b>	<b>2,934</b>	<b>3,081</b>	<b>3,235</b>	<b>3,397</b>	<b>3,566</b>
<b>Revenues minus Expenditures</b>	<b>(284)</b>	<b>838</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
LAIDLAW STREET LIGHTING SERVICE**

**(9107)**

	2017 Actual	2018 Actual	2019 Actual	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400004 Taxation - Land and Improvements Specified Portion of Electoral Area "A"									
Converted Hospital Assessments (Completed Roll)		5,048,400	824,300		824,300				
Estimated Residential Tax Rate (cents per \$1,000)		0.0296	0.1771		0.1072				
Bylaw 1809 - 2017 Tax Limit \$1,500 on Total Assessments		1,496	1,460		884	901	946	994	1,044
480001 Miscellaneous Revenue									
499999 Prior Year's Surplus									
<b>TOTAL REVENUE</b> .....	-	1,496	1,460	-	884	901	946	994	1,044
<b>EXPENDITURE:</b>									
611001 Repayment of Alternative Approval Costs		700	552						
602001 Utilities - Hydro There are 3 x 150 Watt street lights @ \$19.73/mo + 5% rate rider + 7% PST/mo +5% per year cushion for possible rate increases Contingency		829	875		884	901	946	994	1,044
780101 Amortization Expense									
779999 Miscellaneous Expenditures (Street Light Installation)									
799999 Prior Year's Deficit			33						
<b>TOTAL EXPENDITURE</b> .....	-	1,529	1,460	-	884	901	946	994	1,044
<b>Revenues minus Expenditures</b>	-	(33)	-	-	-	-	-	-	-

**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
FORT ST. JAMES ARENA GRANT**

**(10201)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400004 Taxation									
Portion of Electoral Area C LSA #24									
Converted Hospital Assessments (Completed Roll)	18,836,206	19,595,241	19,760,812		19,760,812				
Estimated Residential Tax Rate (cents per \$1,000)	0.16	0.1914	0.1898		0.1898				
Total Assessments	171,326,326	178,119,251	179,590,417		179,590,417				
Tax Rate on Total Assessments	0.18	0.21	0.21		0.21				
Limitation: \$0.120/\$1,000 for Operating Costs plus \$0.120/\$1,000 for Capital Costs per Bylaw No. 1819, 2018	30,000	37,500	37,500		37,500	37,500	37,500	37,500	37,500
446001 Grants in Lieu									
499999 Surplus from Prior Year			0		0				
<b>TOTAL REVENUE</b> .....	<b>30,000</b>	<b>37,500</b>	<b>37,500</b>	<b>-</b>	<b>37,500</b>	<b>37,500</b>	<b>37,500</b>	<b>37,500</b>	<b>37,500</b>
<b>EXPENDITURE:</b>									
612201 Annual Grant to District of Fort St. James									
For operation of arena	15,000	18,750	18,750		18,750	18,750	18,750	18,750	18,750
For capital improvements at arena	15,000	18,750	18,750		18,750	18,750	18,750	18,750	18,750
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE</b> .....	<b>30,000</b>	<b>37,500</b>	<b>37,500</b>	<b>-</b>	<b>37,500</b>	<b>37,500</b>	<b>37,500</b>	<b>37,500</b>	<b>37,500</b>
<b>Revenues minus Expenditures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
BURNS LAKE ARENA**

**(10202)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:																																																						
					2020	2021	2022	2023	2024																																																		
<b>REVENUE:</b>																																																											
400004	Taxation on Improvements Only																																																										
400005	Electoral Area B & Portion of E, Village of Burns Lake																																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Converted Hospital Assessments (Completed Roll)</td> <td>36,829,566</td> <td>37,766,934</td> <td>39,332,051</td> <td></td> <td>39,332,051</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Estimated Residential Tax Rate - General</td> <td>0.44</td> <td>0.43</td> <td>0.5745</td> <td></td> <td>0.5021</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Estimated Residential Tax Rate - Debt &amp; Cap Res.</td> <td>0.22</td> <td>0.21</td> <td>0.0402</td> <td></td> <td>0.0000</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Assessments</td> <td>321,033,785</td> <td>338,775,731</td> <td>358,825,282</td> <td></td> <td>358,825,282</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tax Rate on Total Assessments - Operating Costs</td> <td>0.52</td> <td>0.50</td> <td>0.46</td> <td></td> <td>0.55</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										Converted Hospital Assessments (Completed Roll)	36,829,566	37,766,934	39,332,051		39,332,051					Estimated Residential Tax Rate - General	0.44	0.43	0.5745		0.5021					Estimated Residential Tax Rate - Debt & Cap Res.	0.22	0.21	0.0402		0.0000					Total Assessments	321,033,785	338,775,731	358,825,282		358,825,282					Tax Rate on Total Assessments - Operating Costs	0.52	0.50	0.46		0.55				
Converted Hospital Assessments (Completed Roll)	36,829,566	37,766,934	39,332,051		39,332,051																																																						
Estimated Residential Tax Rate - General	0.44	0.43	0.5745		0.5021																																																						
Estimated Residential Tax Rate - Debt & Cap Res.	0.22	0.21	0.0402		0.0000																																																						
Total Assessments	321,033,785	338,775,731	358,825,282		358,825,282																																																						
Tax Rate on Total Assessments - Operating Costs	0.52	0.50	0.46		0.55																																																						
	Bylaw 1609, 2012 Limitation \$0.77 per \$1,000 land & improvements Plus \$75,000 for debt repayment & capital until year 2019																																																										
	243,086	243,250	241,796		197,500	197,500	197,500	197,500	197,500																																																		
420001	Transfer from capital reserve		60,000	14,500																																																							
441001	Donations Received																																																										
446001	Grants in Lieu of Taxes		2,650	3,206	2,500	2,500	2,500	2,500	2,500																																																		
480001	Miscellaneous Revenue																																																										
499999	Prior Year's Surplus		315	150	705	0																																																					
<b>TOTAL REVENUE</b> .....	<b>246,051</b>	<b>306,606</b>	<b>259,501</b>	<b>-</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>																																																		
<b>EXPENDITURE:</b>																																																											
611001	Repayment of Refernedum Costs																																																										
612201	Annual Grant to the Village of Burns Lake - Operating		162,500	162,500	225,971	200,000	200,000	200,000	200,000																																																		
612202	Annual Grant to the Village of Burns Lake - Capital Zamboni for 2018 Replace Freon Plant in 2016			120,000	14,500																																																						
779999	Miscellaneous Expense																																																										
781001	Contribute to Capital Reserve		64,371	4,371																																																							
	Debt Repayment (Issue 71 until 2014 & 2019)																																																										
783001	Interest expense		12,400	12,400	12,400																																																						
784001	Principal		6,630	6,630	6,630																																																						
799999	Prior Year's Deficit																																																										
<b>TOTAL EXPENDITURE</b> .....	<b>245,901</b>	<b>305,901</b>	<b>259,501</b>	<b>-</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>																																																		
<b>Revenues minus Expenditures</b>	<b>150</b>	<b>705</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>																																																		

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
VANDERHOOF RECREATION AND CULTURE**

**(10302)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:																																												
					2020	2021	2022	2023	2024																																								
<b>REVENUE:</b>																																																	
Taxation																																																	
400004	Portion of Electoral Area "F" SRV#28																																																
	Taxation on Improvements Only																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Converted Hospital Assessments (Completed Roll)</td> <td style="text-align: right;">21,111,852</td> <td style="text-align: right;">24,348,319</td> <td style="text-align: right;">26,483,593</td> <td></td> <td style="text-align: right;">26,483,593</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Est Residential Tax Rate (cents per \$1,000) Improvements Only</td> <td style="text-align: right;">0.45</td> <td style="text-align: right;">0.39</td> <td style="text-align: right;">0.3624</td> <td></td> <td style="text-align: right;">0.3624</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Assessments (Land &amp; Improvements)</td> <td style="text-align: right;">243,505,886</td> <td style="text-align: right;">274,025,927</td> <td style="text-align: right;">290,255,444</td> <td></td> <td style="text-align: right;">290,255,444</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tax Rate on Total Assessments</td> <td style="text-align: right;">0.39</td> <td style="text-align: right;">0.35</td> <td style="text-align: right;">0.33</td> <td></td> <td style="text-align: right;">0.3307</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										Converted Hospital Assessments (Completed Roll)	21,111,852	24,348,319	26,483,593		26,483,593					Est Residential Tax Rate (cents per \$1,000) Improvements Only	0.45	0.39	0.3624		0.3624					Total Assessments (Land & Improvements)	243,505,886	274,025,927	290,255,444		290,255,444					Tax Rate on Total Assessments	0.39	0.35	0.33		0.3307				
Converted Hospital Assessments (Completed Roll)	21,111,852	24,348,319	26,483,593		26,483,593																																												
Est Residential Tax Rate (cents per \$1,000) Improvements Only	0.45	0.39	0.3624		0.3624																																												
Total Assessments (Land & Improvements)	243,505,886	274,025,927	290,255,444		290,255,444																																												
Tax Rate on Total Assessments	0.39	0.35	0.33		0.3307																																												
	95,985	95,985	95,985		95,985	95,985	95,985	95,985	95,985																																								
Bylaw 1195, 2001: Limitation Greater of \$50,000 and \$0.4752 per \$1,000 of total assessments (land and improvements)																																																	
499999	Prior Year's Surplus																																																
TOTAL REVENUE:.....	95,985	95,985	95,985	-	95,985	95,985	95,985	95,985	95,985																																								
<b>EXPENDITURE:</b>																																																	
612241	Annual Grant to the District of Vanderhoof																																																
	95,985	95,985	95,985		95,985	95,985	95,985	95,985	95,985																																								
799999	Prior Year's Deficit																																																
TOTAL EXPENDITURE:.....	95,985	95,985	95,985	-	95,985	95,985	95,985	95,985	95,985																																								
<b>Revenues minus Expenditures</b>	-	-	-	-	-	-	-	-	-																																								

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
FORT FRASER CEMETERY GRANT**

**(10401)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400001 Taxation & Service Agreement	37	36	35		35	40	40	40	40
400004 Taxation									
Portions of Electoral Areas "D" & "F" LSA #6									
Taxation on Improvements Only									
Converted Hospital Assessments (Completed Roll)	5,459,297	5,785,084	5,619,053		5,619,053				
Estimated Residential Tax Rate (cents per \$1,000)	0.0359	0.0340	0.0350		0.0350				
By-law No. 712, 1992 Limitation \$5,000.	1,958	1,968	1,964		1,965	1,960	1,960	1,960	1,960
499999 Prior Year's Surplus	2		1						
<b>TOTAL REVENUE</b> .....	<b>1,997</b>	<b>2,004</b>	<b>2,000</b>	<b>-</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>
<b>EXPENDITURE:</b>									
612201 Annual Grant to Ft Fraser Cemetary Society	2,000	2,000	2,000		2,000	2,000	2,000	2,000	2,000
799999 Prior Year's Deficit		3	0						
<b>TOTAL EXPENDITURE</b> .....	<b>2,000</b>	<b>2,003</b>	<b>2,000</b>	<b>-</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>
<b>Revenues minus Expenditures</b>	<b>(3)</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
TOPLEY CEMETERY GRANT**

**(10402)**

	2017 Actual	2018 Actual	2019 Budget	Year end Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400004 Taxation									
Portion of Electoral Areas "B" & "G"									
Taxation on Improvements Only									
Converted Hospital Assessments (Completed Roll)	2,312,160	2,482,715	2,666,082		2,666,082				
Estimated Residential Tax Rate (cents per \$1,000)	0.0649	0.0604	0.0563		0.0563				
By-law No. 805 - \$2,500 limitation	1,500	1,500	1,500		1,500	1,500	1,500	1,500	1,500
499999 Prior Year's Surplus					0				
<b>TOTAL REVENUE.....</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>-</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>
<b>EXPENDITURE:</b>									
612201 Annual Grant to Topley Cemetery Society	1,500	1,500	1,500		1,500	1,500	1,500	1,500	1,500
799999 Prior Years Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>-</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>
<b>Revenues minus Expenditures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
SMITHERS, TELKWA, HOUSTON  
TELEVISION REBROADCASTING**

**(10501)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2020	2021	2022	2023
<b>REVENUE:</b>									
Taxation - (Municipalities Converted Assessments -Rural Improvements Only)									
400004	Portions of Electoral Areas "A" & "G"								
400005	Houston, Smithers, Telkwa &								
Municipal Converted Assessments	146,585,590	151,600,437	158,122,698		158,122,698				
Estimated Municipal Residential Tax Rate	0.02	0.0234	0.0221		0.0221				
Rural Converted Assessments	73,290,009	75,392,412	81,963,010		81,963,010				
Estimated Rural Residential Tax Rate	0.0274	0.0318	0.0298		0.0298				
Bylaw 1818 EST 2018 Limitation 62,500	49,396	59,421	59,323		59,400	59,400	59,400	59,400	59,400
446001 Grants in Lieu of Taxes	601	680	600		600	600	600	600	600
499999 Prior Year's Surplus			77		0				
<b>TOTAL REVENUE.....</b>	<b>49,997</b>	<b>60,101</b>	<b>60,000</b>	<b>-</b>	<b>60,000</b>	<b>60,000</b>	<b>60,000</b>	<b>60,000</b>	<b>60,000</b>
<b>EXPENDITURE:</b>									
612201 Monthly Grant to Rebroadcasting Society	50,000	60,000	60,000		60,000	60,000	60,000	60,000	60,000
611001 Repayment of Feasibility Study Costs									
799999 Prior Year's Deficit	21	24							
<b>TOTAL EXPENDITURE.....</b>	<b>50,021</b>	<b>60,024</b>	<b>60,000</b>	<b>-</b>	<b>60,000</b>	<b>60,000</b>	<b>60,000</b>	<b>60,000</b>	<b>60,000</b>
<b>Revenues minus Expenditures</b>	<b>(24)</b>	<b>77</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
FRASER LAKE AND AREA  
TELEVISION REBROADCASTING**

**(10502)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400001 Taxation & Service Agreement	380	335	380		380	380	380	380	380
Taxation									
400004 Electoral Area "D"									
400005 Village of Fraser Lake									
Converted Hospital Assessments (Completed Roll)	43,426,214	44,017,538	44,521,057		44,521,057				
Estimated Residential Tax Rate (cents per \$1,000)	0.0837	0.0787	0.0923		0.1214				
Bylaw 1855 Limitation \$ 83,750									
	36,338	34,623	41,072		54,045	54,303	54,303	54,303	54,303
446001 Grants in Lieu of Taxes	84	78							
446002 Grants in Lieu of Alcan Taxes	31,617	26,306	29,325		29,325	31,567	31,567	31,567	31,567
499999 Prior Year's Surplus	11,337	12,756	7,098		2,500				
<b>TOTAL REVENUE.....</b>	<b>79,756</b>	<b>74,098</b>	<b>77,875</b>	<b>-</b>	<b>86,250</b>	<b>86,250</b>	<b>86,250</b>	<b>86,250</b>	<b>86,250</b>
<b>EXPENDITURE:</b>									
612220 Monthly Grant to Fraser Lake and District Television Society	67,000	67,000	75,375		83,750	83,750	83,750	83,750	83,750
611001 Repayment of Feasibility Study Costs									
779999 Miscellaneous Expense									
605999 Contingency			2,500		2,500	2,500	2,500	2,500	2,500
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>67,000</b>	<b>67,000</b>	<b>77,875</b>	<b>-</b>	<b>86,250</b>	<b>86,250</b>	<b>86,250</b>	<b>86,250</b>	<b>86,250</b>
<b>Revenues minus Expenditures</b>	<b>12,756</b>	<b>7,098</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
FORT ST. JAMES AND AREA  
TELEVISION REBROADCASTING**

**(10503)**

	2017 Actual	2018 Actual	2019 Budget	Year end Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
Taxation									
400004 Portion of Electoral Area "C" LSA #9									
400005 District of Ft. St. James									
Converted Hospital Assessments (Completed Roll)	49,269,225	50,922,405	51,255,385		51,255,385				
Estimated Residential Tax Rate (cents per \$1,000)	0.33	0.3167	0.3196		0.3201				
Bylaw No 1765, 2016 - Limitation \$164,062	161,150	161,262	163,801		164,062	164,062	164,062	164,062	164,062
446001 Grants in Lieu of Taxes	2,752	3,097	2,800		2,800	2,800	2,800	2,800	2,800
499999 Prior Year's Surplus	662	552	899		0				
<b>TOTAL REVENUE.....</b>	<b>164,564</b>	<b>164,911</b>	<b>167,500</b>	<b>-</b>	<b>166,862</b>	<b>166,862</b>	<b>166,862</b>	<b>166,862</b>	<b>166,862</b>
<b>EXPENDITURE:</b>									
612220 Monthly Grant to Fort St. James Television Society	164,012	164,012	167,500		166,862	166,862	166,862	166,862	166,862
611001 Repayment of Feasibility Study Costs									
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>164,012</b>	<b>164,012</b>	<b>167,500</b>	<b>-</b>	<b>166,862</b>	<b>166,862</b>	<b>166,862</b>	<b>166,862</b>	<b>166,862</b>
<b>Revenues minus Expenditures</b>	<b>552</b>	<b>899</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
BURNS LAKE AND AREA  
TELEVISION REBROADCASTING**

**(10504)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
Taxation on Improvements only									
400004	Electoral Areas "B" & "E"								
400005	Village of Burns Lake								
Converted Hospital Assessments (Completed Roll)	49,837,031	51,084,886	53,032,997		53,032,997				
Estimated Residential Tax Rate (cents per \$1,000)	0.05	0.0663	0.0632		0.0560				
Total Assessments	461,739,828	491,070,100	516,420,860		516,420,860				
Tax Rate on Total Assessments	0.05	0.07	0.0649		0.0576				
Bylaw 982, 1997: Limitation - Greater of \$30,000 and \$0.115/\$1,000 in net taxable assessments.	24,530	33,892	33,507		29,724	22,871	22,871	22,871	22,871
446001 Grants in Lieu of Taxes	198	330	190		190	190	190	190	190
446002 Grant in Lieu of Alcan Taxes	8,677	14,200	12,586		12,586	9,440	9,440	9,440	9,440
499999 Prior Year's Surplus	4,390	7,795	1,217		0				
<b>TOTAL REVENUE:</b>	<b>37,795</b>	<b>56,217</b>	<b>47,500</b>	<b>-</b>	<b>42,500</b>	<b>32,500</b>	<b>32,500</b>	<b>32,500</b>	<b>32,500</b>
<b>EXPENDITURE:</b>									
607001 Legal Fees									
612220 Monthly Grant to Burns Lake Rebroadcasting Society	30,000	30,000	32,500		32,500	32,500	32,500	32,500	32,500
611001 Repayment of Feasibility Study Costs									
781001 Contribution to Capital Reserve		25,000	15,000		10,000				
605999 Contingency									
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE:</b>	<b>30,000</b>	<b>55,000</b>	<b>47,500</b>	<b>-</b>	<b>42,500</b>	<b>32,500</b>	<b>32,500</b>	<b>32,500</b>	<b>32,500</b>
<b>Revenues minus Expenditures</b>	<b>7,795</b>	<b>1,217</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
FRASER LAKE LIBRARY**

**(10602)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400001 Taxation & Service Agreement	62	65	60		60	60	60	60	60
Taxation									
400004 Electoral Area "D"									
Taxation on Improvements Only									
Converted Hospital Assessments (Completed Roll)	16,695,434	16,640,293	17,104,159		17,104,159				
Estimated Tax Rate (cents per \$1,000)	0.0597	0.0608	0.0721		0.0949				
Total Assessments (Converted Assessments)	204,573,315	207,101,373	205,267,744		205,267,744				
Tax Rate on Total Assessments	0.0487	0.0488	0.0601		0.0790				
By-law No. 1349, 2005: Limitation the greater of: \$0.16 per \$1,000 Total Land & Improvements or \$15,000	9,966	10,113	12,333		16,224	19,424	19,424	19,424	19,424
446001 Grants In Lieu of Taxes									
446002 Grant in Lieu of Alcan Taxes	14,233	13,495	17,250		17,250	17,250	17,250	17,250	17,250
499999 Surplus	4,130	4,235	3,752		3,200				
<b>TOTAL REVENUE.....</b>	<b>28,391</b>	<b>27,908</b>	<b>33,395</b>	<b>-</b>	<b>36,734</b>	<b>36,734</b>	<b>36,734</b>	<b>36,734</b>	<b>36,734</b>
<b>EXPENDITURE:</b>									
612220 Monthly Grant to the Fraser Lake Public Library Association	24,156	24,156	30,195		36,234	36,234	36,234	36,234	36,234
Not in use Repayment of Referendum Costs 2005									
605999 Contingency			3,200		500	500	500	500	500
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE.....</b>	<b>24,156</b>	<b>24,156</b>	<b>33,395</b>	<b>-</b>	<b>36,734</b>	<b>36,734</b>	<b>36,734</b>	<b>36,734</b>	<b>36,734</b>
<b>Revenues minus Expenditures</b>	<b>4,235</b>	<b>3,752</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
FORT SAINT JAMES LIBRARY**

**(10603)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400004 Taxation									
Electoral Area "C "									
Converted Hospital Assessments (Completed Roll)	66,727,121	67,836,987	63,967,656		63,967,656				
Estimated Residential Tax Rate (cents per \$1,000)	0.0205	0.0205	0.0267		0.0268				
Bylaw 1856 (1691), 2019: Limitation \$17,187	13,679	13,683	17,075		17,138	17,138	17,138	17,138	17,138
446001 Grants in Lieu of Taxes	67	63	50		50	50	50	50	50
499999 Prior Year's Surplus	71	67	63		0				
<b>TOTAL REVENUE:</b>	<b>13,817</b>	<b>13,813</b>	<b>17,188</b>	<b>-</b>	<b>17,188</b>	<b>17,188</b>	<b>17,188</b>	<b>17,188</b>	<b>17,188</b>
<b>EXPENDITURE:</b>									
612220 Monthly Grant to the Fort St. James Library	13,750	13,750	17,188		17,188	17,188	17,188	17,188	17,188
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE:</b>	<b>13,750</b>	<b>13,750</b>	<b>17,188</b>	<b>-</b>	<b>17,188</b>	<b>17,188</b>	<b>17,188</b>	<b>17,188</b>	<b>17,188</b>
<b>Revenues minus Expenditures</b>	<b>67</b>	<b>63</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>



**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
FORT FRASER COMMUNITY HALL**

**(10801)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400001 Taxation & Service Agreement Payments	46	48	46		46	46	46	46	46
400004 Taxation									
Portion of Electoral Area "D" LSA #17									
Taxation on Improvements Only									
Converted Hospital Assessments (Completed Roll)	5,459,297	5,432,984	5,619,053		5,619,053				
Estimated Residential Tax Rate (cents per \$1,000)	0.0448	0.0452	0.0436		0.0436				
By-law No. 887-\$2,500 Limitation	2,448	2,458	2,452		2,452	2,454	2,454	2,454	2,454
441001 Donations Received									
499999 Surplus from Prior Year	6		2		2				
<b>TOTAL REVENUE</b> .....	<u>2,500</u>	<u>2,506</u>	<u>2,500</u>	-	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>
<b>EXPENDITURE:</b>									
612201 Annual Grant to Society	2,500	2,500	2,500		2,500	2,500	2,500	2,500	2,500
799999 Prior Year's Deficit		4							
<b>TOTAL EXPENDITURE</b> .....	<u>2,500</u>	<u>2,504</u>	<u>2,500</u>	-	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>
<b>Revenues minus Expenditures</b>	-	2	-	-	-	-	-	-	-

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**REGIONAL DISTRICT OF BULKLEY-NECHAKO  
BRAESIDE COMMUNITY HALL**

**(10802)**

	2017 Actual	2018 Actual	2019 Budget	2019 Actual	Five Year Financial Plan:				
					2020	2021	2022	2023	2024
<b>REVENUE:</b>									
400004 Taxation									
Portion of Electoral Area "F"									
Taxation on Improvements Only									
Converted Hospital Assessments (Completed Roll)		1,836,018	2,214,295		2,214,295				
Estimated Residential Tax Rate (cents per \$1,000)		0.2723	0.2258		0.2258				
By-law No. 1808 - \$5,000 Limitation		5,000	5,000		5,000	5,000	5,000	5,000	5,000
441001 Donations Received									
499999 Surplus from Prior Year			0		0				
<b>TOTAL REVENUE</b> .....	-	5,000	5,000	-	5,000	5,000	5,000	5,000	5,000
<b>EXPENDITURE:</b>									
611001 Repayment of Alternative Approval Costs		1,080							
612201 Annual Grant to Society		3,920	5,000		5,000	5,000	5,000	5,000	5,000
799999 Prior Year's Deficit									
<b>TOTAL EXPENDITURE</b> .....	-	5,000	5,000	-	5,000	5,000	5,000	5,000	5,000
<b>Revenues minus Expenditures</b>	-	(0)	(0)	-	-	-	-	-	-

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## REGIONAL DISTRICT OF BULKLEY-NECHAKO STAFF REPORT

**To:** Rural Directors' Committee  
**From:** John Illes, Chief Financial Officer  
**Date:** October 10, 2019  
**Re:** Distribution of Northern Capital and Planning Grant

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### Overview:

Of the \$5.8 million received for the Northern Capital and Planning Grant the Board decided that 30% (\$1,740,000) will be allocated to region-wide projects. A summary of these projects and the remaining funds are as follows:

\$420,000	Recycling Projects
\$169,248	RBA Community Sustainability Plan
\$ 25,000	Agricultural Plan*
\$100,000	Parks and Trails Plan*
\$100,000	Broadband Connectivity Study*
<u>\$ 73,000</u>	Emergency Fire Apparatus and Water Tanker Trucks for Landfills*
\$887,248	

\$852,752 Remaining Funds from the region-wide projects.

Note: \* These projects still require a budget bylaw amendment which will be completed prior to year-end.

Of the \$5.8 million, 70% (\$4,060,000) will be allocated to Regional District established services at the discretion of the Electoral Area Directors. On September 5, at the Rural Directors' Committee meeting, the amount of the Northern Capital and Planning Grant allocated to each Electoral Area Director was confirmed to be calculated ½ by population and ½ by fixed amount and is as follows:

Electoral Area A:	\$946,919
Electoral Area B:	\$532,220
Electoral Area C:	\$466,853
Electoral Area D:	\$473,977
Electoral Area E:	\$489,101
Electoral Area F:	\$748,069
Electoral Area G:	\$402,861

At this time, only one allocation of these funds has been made:

Electoral Area "F"	\$ 40,000	Clucluz Lake Fire Service Study*
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## **Recommendations from Staff**

### **Region Wide Projects:**

The remaining \$852,752 of the region-wide projects is recommended to be fully utilized for capital projects for Environmental Services. The projects that are prioritized are as follows:

***Various Current Capital Projects in Environmental Services*** **\$308,650**

- There are several capital projects in 2019, such as the recycling centres construction (not already covered by the NCPG), and the cost for tractors and heavy machinery for these new centres. This includes the newly created Burns Lake and Smithers Recycling Centres as well as the Houston Transfer and Recycling Centre planned for 2020. The amount allocated for these projects is the amount that the RD is borrowing from its own reserves to fund these projects. Using the NCPG will give the Board the flexibility to review the proposed future taxation increases for Environmental Services in 2020 and 2021 and allow for some more stable future reserve planning.

***Replacement of four Western Haul Trailers*** **\$544,102**

- Our existing haul trailer fleet is now showing high wear and tear, particularly on the walking floor mechanism, and maintenance costs are escalating. A better aluminium alternative is now available, which we are currently using on the Eastern Waste Haul routes. The estimated total cost of this project is between \$600,000 and \$700,000. This project has been selected both to reduce the maintenance costs associated with the fleet but also to reduce fuel costs and the Regional District's carbon footprint.



## Electoral Area Projects:

The recommended Electoral Area projects are found on the attached spreadsheet and are itemized as follows:

### Planning Projects:

*Emergency Hazard, Risk and Vulnerability Planning* \$225,000

- This project is planned to be completed internally with a two-year term position. A supplemental report from the Director of Protective Services is provided at the end of this report.

### Capital Projects:

*Administrative Building – Solar Panels* \$250,000

- The Regional District is yet to implement any meaningful projects to reduce its carbon footprint. Initial analysis by two of the Regional District's current contractors indicate that the project would be easy to implement and will likely generate a net surplus in power.

*Administrative Building - Upgrades* \$300,000

- Building on the advice of the recent report "Emergency Operations Centre Response to the 2018 Wildfires", this proposal implements changes to the building entrance and two reception areas to allow for a better "client experience" as well as security and safety for staff and EOC support workers in an emergency situation. These upgrades may also include some information technology components.

*Rural Water Storage for Fire Suppression* \$140,000

- Water supplies for fire suppression activities, for the rural fire departments is currently a limiting factor. This capital project provides mitigative measures by setting up buried 5,000 to 10,000-gallon tanks strategically within the fire protection areas. Includes one storage tank for Luck Bay \$30,000, two for Southside \$50,000 and two for Topley \$60,000. Additional tanks (5) are recommended for Cluculz Lake (\$150,000) but depend on the results of the Delivery Study.



<i>Refurbishment of the Fort Fraser Sewer System</i>	\$450,000
<ul style="list-style-type: none"> <li>• The addition of \$450,000 to this project will likely allow for complete refurbishment of the sewer system. This will minimize further capital repairs for the next 25 years. There is currently \$200,000 in reserves for this project.</li> </ul>	
<i>Emergency Operations – Storage Facility</i>	\$200,000
<ul style="list-style-type: none"> <li>• A building between 1,600 and 2,000 square feet would be constructed at the Burns Lake Transfer Station to provide storage for such things as sand bags, blankets, emergency rations etc. along with general storage for the administration building.</li> </ul>	
<i>Recycling Depot Upgrades</i>	\$420,000
<ul style="list-style-type: none"> <li>• \$180,000 is for four concrete slabs in front of the recycling containers in Smithers, Burns Lake, Vanderhoof and Fort St. James and will enhance the recycling experience for our citizens and make snow removal easier.</li> <li>• \$240,000 is for pole sheds over the Recycling Sea Cans, in conjunction with the above concrete slabs. Will prevent snow and mud from accumulating in the drop off area and provide more comfortable working conditions for recycling staff.</li> </ul>	
<i>Equipment Replacement - Spare Bobcat</i>	\$ 75,000
<ul style="list-style-type: none"> <li>• Move up replacement of this bobcat as it has become unreliable. Originally scheduled for 2021.</li> </ul>	
<i>Septage Receiving Beds Refurbishment and Expansion Burns Lake Transfer Station &amp; Knockholt Landfill</i>	\$ 50,000
<i>Repairs and Maintenance to Fort Fraser Sewer Facility</i>	\$800,000
<ul style="list-style-type: none"> <li>• This is broken into three parts – dredging, a disinfecting system and a solar aerator.</li> </ul>	
<i>Twinning Fort Fraser Water Towers (Reserve contribution)</i>	\$1,400,000
<ul style="list-style-type: none"> <li>• This will make the water system more robust and handle the heavy demands of firefighting and the local community's season water demands. Any part of this amount will allow the Regional District to be more eligible to apply for infrastructure grants.</li> </ul>	



*Consolidation Centre in Smithers Transfer Station* \$750,000

- This would build the recycling consolidation centre in Smithers complete with a loader. If approved this could be operational in early 2020.

*Consolidation Centre in Vanderhoof Transfer Station* \$750,000

- Similar to the Smithers option above but would serve the East end of the Regional District. Would be operational in early 2021.

*Predevelop Phase 3B for Knockholt* \$350,000

- Move up phase development to be ready to receive future garbage including camp garbage. Target completion 2021.

**Other project options include:**

- Broadband - Funds could be placed in either the Regional Economic Development Service (for the Regional District as a whole) or for an Electoral Area for future detailed internet connectivity design plans leading to infrastructure applications and further funds could be placed in these service accounts for future capital projects related to connectivity.
- Parks and Trails – Funds could be placed in the Electoral Areas Parks and Trails Establishment Bylaw for future capital projects after the planning document is completed.
- Agriculture Planning Projects - An agricultural plan (Non-Timber Forest Products) for the Regional District outlining the possible financial benefits for gathering, marketing and sustaining non-timber forest products for the agricultural sector. Estimated cost is \$50,000. An agricultural plan (Food Hub Planning) for the Regional District outlining the benefits of the food hub model and a strategy for implementation. Estimated cost is \$50,000.
- Administration Building - Is scheduled to undergo capital maintenance of approximately \$500,000 over the next ten years and funds could be placed in the capital reserve account for the office building to cover these expenses.
- Clearview Landfill - Funds could be placed in the capital reserve for environmental services for the construction of a leachate containment system. The estimated costs for this project is between \$800,000 and \$1.2 M.
- Funds could be placed in the capital reserve for the Bulkley Valley Aquatic Centre for capital projects happening at the centre.



- Environmental Services - Site Connectivity for landfills and transfer stations. In order to implement automatic scales, point of sale systems for tipping fees, protective systems, and more efficient HR systems, better internet connectivity systems are required. The current cost estimate is \$100,000 for both landfills and four transfer stations.

Recommendation:

(All/Directors/Majority)

That the Rural Directors Committee recommend to the Board of the Regional District of Bulkley-Nechako that \$852,752 be allocated from the Northern Capital and Planning Grant to Environmental Services capital projects planned for 2019 and 2020” and

And that the Rural Directors committee further recommends to the Board that \$4,020,000 of the Northern Capital and Planning Grant be allocated as per the attached exhibit [as amended].



**Option 1 "EVEN SPLIT"**

	Planned Year of Project	Electoral Area A	Electoral Area B	Electoral Area C	Electoral Area D	Electoral Area E	Electoral Area F	Electoral Area G	Project Cost
<b>Total Allocation</b>		<b>\$946,919</b>	<b>\$532,220</b>	<b>\$466,853</b>	<b>\$473,977</b>	<b>\$489,101</b>	<b>\$748,069</b>	<b>\$402,861</b>	<b>\$ 4,060,000</b>
Clucluz Lake Fire Plan	2019-2020						\$ 40,000		\$ 40,000
Emergency HRVA Project	2020-2021	\$ 32,143	\$ 32,143	\$ 32,143	\$ 32,143	\$ 32,143	\$ 32,143	\$ 32,143	\$ 225,000
Administrative Building - Solar	2020	\$ 35,714	\$ 35,714	\$ 35,714	\$ 35,714	\$ 35,714	\$ 35,714	\$ 35,714	\$ 250,000
Administrative Building - Upgrades (EOC)	2020	\$ 42,857	\$ 42,857	\$ 42,857	\$ 42,857	\$ 42,857	\$ 42,857	\$ 42,857	\$ 300,000
Water Storage for Fire Suppression	2020		\$ 30,000	\$ 30,000		\$ 50,000		\$ 30,000	\$ 140,000
Fort Fraser Sewer System	2020/2021				\$ 266,834				\$ 266,834
Emergency Operations Storage Facility	2020	\$ 28,571	\$ 28,571	\$ 28,571	\$ 28,571	\$ 28,571	\$ 28,571	\$ 28,571	\$ 200,000
Recycling Centre Depot Upgrades	2020	\$ 105,000	\$ 52,500	\$ 105,000		\$ 52,500	\$ 105,000		\$ 420,000
Bobcat - Equipment Purchase	2020	\$ 10,714	\$ 10,714	\$ 10,714	\$ 10,714	\$ 10,714	\$ 10,714	\$ 10,714	\$ 75,000
Septage Beds	2020	\$ 7,143	\$ 7,143	\$ 7,143	\$ 7,143	\$ 7,143	\$ 7,143	\$ 7,143	\$ 50,000
Sewage Facility - Fort Fraser	2021								\$ -
Water System (Tower) - Fort Fraser	2022								\$ -
Consolidation Centre - Smithers	2020								\$ -
Consolidation Centre - Vanderhoof	2021								\$ -
Knockholt Phase 3B	2020/2021	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 350,000
Broadband Capital Projects	2020+							\$ 165,718	\$ 165,718
Parks and Trails Capital Projects	2020+								\$ -
Agriculture Projects	2020								\$ -
Administrative Building - Upgrades	2020+								\$ -
Clearview Landfill	2020+								\$ -
Bulkley Valley Aquatic Centre	2020+								\$ -
Environmental Services - Site Connectivity	2020+								\$ -
<b>Remaining Unallocated</b>		<b>\$634,776</b>	<b>\$242,577</b>	<b>\$124,710</b>	<b>\$0</b>	<b>\$179,458</b>	<b>\$395,926</b>	<b>\$0</b>	<b>\$ 1,577,448</b>

**OPTION 2 "BY POP"**

	Planned Year of Project	Electoral Area A	Electoral Area B	Electoral Area C	Electoral Area D	Electoral Area E	Electoral Area F	Electoral Area G	Project Cost
<b>Total Allocation</b>		<b>\$946,919</b>	<b>\$532,220</b>	<b>\$466,853</b>	<b>\$473,977</b>	<b>\$489,101</b>	<b>\$748,069</b>	<b>\$402,861</b>	<b>\$ 4,060,000</b>
Clucluz Lake Fire Plan	2019-2020						\$ 40,000		\$ 40,000
Emergency HRVA Project	2020-2021	\$ 72,811	\$ 26,847	\$ 19,602	\$ 20,392	\$ 22,068	\$ 50,771	\$ 12,509	\$ 225,000
Administrative Building - Solar	2020	\$ 80,901	\$ 29,830	\$ 21,780	\$ 22,657	\$ 24,520	\$ 56,412	\$ 13,899	\$ 250,000
Administrative Building - Upgrades (EOC)	2020	\$ 97,082	\$ 35,796	\$ 26,136	\$ 27,189	\$ 29,424	\$ 67,695	\$ 16,679	\$ 300,000
Water Storage for Fire Suppression	2020		\$ 30,000	\$ 30,000		\$ 50,000		\$ 30,000	\$ 140,000
Fort Fraser Sewer System	2020/2021				\$ 342,565				\$ 342,565
Emergency Operations Storage Facility	2020	\$ 64,721	\$ 23,864	\$ 17,424	\$ 18,126	\$ 19,616	\$ 45,130	\$ 11,119	\$ 200,000
Recycling Centre Depot Upgrades	2020	\$ 105,000	\$ 52,500	\$ 105,000		\$ 52,500	\$ 105,000		\$ 420,000
Bobcat - Equipment Purchase	2020	\$ 24,270	\$ 8,949	\$ 6,534	\$ 6,797	\$ 7,356	\$ 16,924	\$ 4,170	\$ 75,000
Septage Beds	2020	\$ 16,180	\$ 5,966	\$ 4,356	\$ 4,531	\$ 4,904	\$ 11,282	\$ 2,780	\$ 50,000
Sewage Facility - Fort Fraser	2021								\$ -
Water System (Tower) - Fort Fraser	2022								\$ -
Consolidation Centre - Smithers	2020								\$ -
Consolidation Centre - Vanderhoof	2021								\$ -
Knockholt Phase 3B	2020/2021	\$ 113,262	\$ 41,762	\$ 30,492	\$ 31,720	\$ 34,328	\$ 78,977	\$ 19,459	\$ 350,000
Broadband Capital Projects	2020+							\$ 292,246	\$ 292,246
Parks and Trails Capital Projects	2020+								\$ -
Agriculture Projects	2020								\$ -
Administrative Building - Upgrades	2020+								\$ -
Clearview Landfill	2020+								\$ -
Bulkley Valley Aquatic Centre	2020+								\$ -
Environmental Services - Site Connectivity	2020+								\$ -
<b>Remaining Unallocated</b>		<b>\$372,691</b>	<b>\$276,706</b>	<b>\$205,529</b>	<b>(\$0)</b>	<b>\$244,386</b>	<b>\$315,877</b>	<b>\$ (0)</b>	<b>\$ 1,415,189</b>

<b>POPULATION</b>	<b>5256</b>	<b>1938</b>	<b>1415</b>	<b>1472</b>	<b>1593</b>	<b>3665</b>	<b>903</b>	<b>16242</b>
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**REGIONAL DISTRICT OF BULKLEY NECHAKO  
STAFF REPORT**

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**TO:** Rural Directors  
**FROM:** Protective Services  
**DATE:** October 10, 2019  
**SUBJECT:** Northern Capital and Planning Grant – Hazard, Risk and Vulnerability Assessment Program

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**RECOMMENDATION:**

1. That the Rural Directors recommend to the Board that the Hazard, Risk and Vulnerability Assessment Program be funded through the Planning and Infrastructure Grant allocation to the Electoral Area Directors.

**VOTING:** All /DIRECTORS/MAJORITY

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**EXECUTIVE SUMMARY**

A comprehensive hazard, risk and vulnerability assessment (HRVA) is required to update the Regional District of Bulkley-Nechako (RDBN) Emergency Preparedness Plan. The HRVA process helps to identify risks and vulnerabilities that affect the potential emergencies and disasters that may impact the ability to protect lives, property and to reduce economic losses. The after action review of the RDBN Emergency Operations Centre Response to the 2018 Wildfires recommends the RDBN update the current hazard, risk and vulnerability assessment to guide a more concise Emergency Preparedness Plan.

The Local Authority Emergency Management Regulation of the *Emergency Program Act*. *Section 6(2)* mandates the requirement for authorities to prepare local emergency plans respecting preparation for, response to and recovery from emergencies and disasters, and reflect in the local emergency plans the potential emergencies and disasters that could affect the jurisdictional area.

Resources not included in the budget are required to develop a comprehensive, region wide assessment. Therefore, staff are requesting that the HRVA project be funded through the Northern Capital and Planning Grant.

Written by,

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Deborah Jones-Middleton  
Director of Protective Services

Chief Administrative Officer



## Background

Emergency Management and Training Inc. was contracted in August 2019 to perform a review of the Regional District of Bulkley-Nechako Emergency Operations Centre Response to the 2018 Wildfires. The review recommends the RDBN review and update the current hazard, risk and vulnerability assessment to guide a more concise Emergency Preparedness Plan and other aspects of hazard mitigation, preparedness, response and recovery. Since the current Emergency Preparedness Plan was written in 2003 and updated in 2011 there have been significant changes in agencies, best practices and terminology.

A Hazard, Risk and Vulnerability Assessment (HRVA) is a critical part of every emergency program and is a requirement mandated by the Local Authority Emergency Management Regulation of the *Emergency Program Act*. Section 6(2) of the regulation requires local authorities to prepare or cause to be prepared local emergency plans respecting preparation for, response to and recovery from emergencies and disasters, and reflect in the local emergency plans, the potential emergencies and disasters that could affect the jurisdictional area.

The purpose of the HRVA is to help a community/region make risk based choices to address vulnerabilities, mitigate hazards and prepare for response to and recovery from hazard events. Risk based means based on informed choices of alternate unwanted outcomes. Risk reduction choices are based on the acceptability of consequences and the frequency of hazards.

Risk is a total concept of likelihood of occurrence of identified hazards and the severity of possible impacts. The combination of severity and likelihood is termed the level of risk.

When determining the severity of an identified hazard, a community's vulnerability is examined. Vulnerability is defined as people, property, infrastructure, industry and resources, or environments that are particularly exposed to adverse impact from a hazard event (Ministry of Public Safety and Solicitor General, Provincial Emergency Program, 2004).

Likelihood reflects the frequency of occurrence for a particular hazard event and can range from rare events occurring every 200 years to more frequent events, which usually have a high number of recorded incidents or anecdotal evidence.

A HRVA is established by the systematic use of information to identify hazards and to estimate the chance for and severity of, injury or loss to individuals or populations, property, the environment and other things of value. The objective of an HRVA is to:

- investigate prominent natural and human caused events; and
- identify any threats that may require a timely and coordinated response to protect lives, property and to reduce economic losses.

The intent of a HRVA is to provide a basis from which local emergency planners, regional directors, and responders can:

- update the Emergency Plan;
- allocate resources for risk mitigation;
- enhance community preparedness and education;
- develop a comprehensive all-hazards Crisis Communications Plan;
- prepare budgets for cost-effective ongoing emergency planning; and,
- collaborate with agencies to develop comprehensive recovery and community resilience plans.

Factors considered in developing a list of hazards include:

- demographics;
- geography;
- government and industry infrastructure;
- industries and other technologies;
- transportation modes and routes; and,
- weather and climate

Based on verified primary and secondary sources, both qualitative and quantitative methods are used to determine hazard ratings for areas of interest. Historical research and background are combined with community engagement, surveys, local knowledge and expert technical information.

A HRVA Committee for each community zone evaluates hazards for impact and likelihood to determine the risk rating of a particular hazard. The HRVA Committee forms the basis of ongoing community resiliency committees by establishing collaborative relationships crucial for response to and recovery from hazard events.

A HRVA Committee is comprised of:

- Elected Officials
- Local First Nations Officials
- Community Planners
- Social Services Agencies
- Local Knowledge Experts
- Long Term Residents and Elders, and
- Rotating Hazards Experts

Representatives from:

- Industry and Business
- Public Works
- Utilities

The project would start in March 2020 with a two-year duration, and cost estimates are as follows:

Expenses	Year 1	Year 2
HRVA Specialist	65,000	65,000
Travel	15,000	15,000
Committee Education	7,000	0
Meeting	18,000	18,000
Advertising & Survey	10,000	10,000
Supplies	1,000	1,000
<b>Total per year</b>	<b>116,000</b>	<b>109,000</b>
<b>Total 2 year Project</b>		<b>225,000</b>

This project will be managed by the Director of Protective Services.



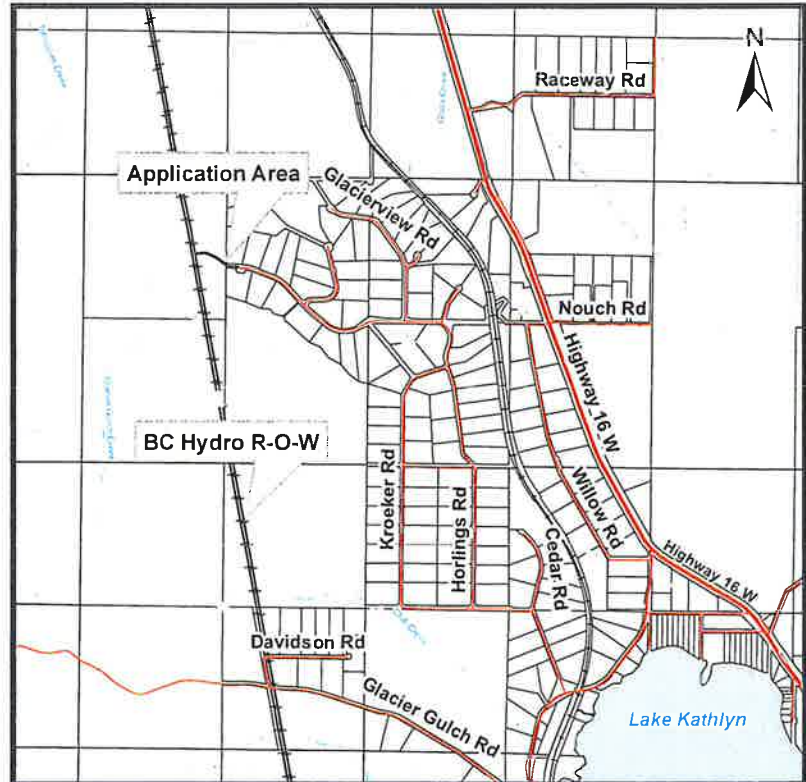
## MEMORANDUM

To: Rural Directors  
 From: Maria Sandberg, Planner  
 Date: September 27, 2019  
 Re: Land Referral File No. 6409156 BC Hydro

This application is regarding a Licence of Occupation for transportation roadway purposes. The application area is located 6.7 kilometres northwest of the Town of Smithers.

BC Hydro would like to upgrade an existing trail to a gravel road between the end of Horlings Road and the transmission line right-of-way.

The application area is approximately 8 m wide and 260 m long and 0.21 ha in size. It will provide reliable vehicular access for future maintenance and upgrade work.



### Recommendation

That the attached comment sheet be provided to the Province as the Regional District's comments on Crown land application 6409156.

Reviewed by:

Jason Llewellyn  
 Director of Planning

Written by:

Maria Sandberg  
 Planner



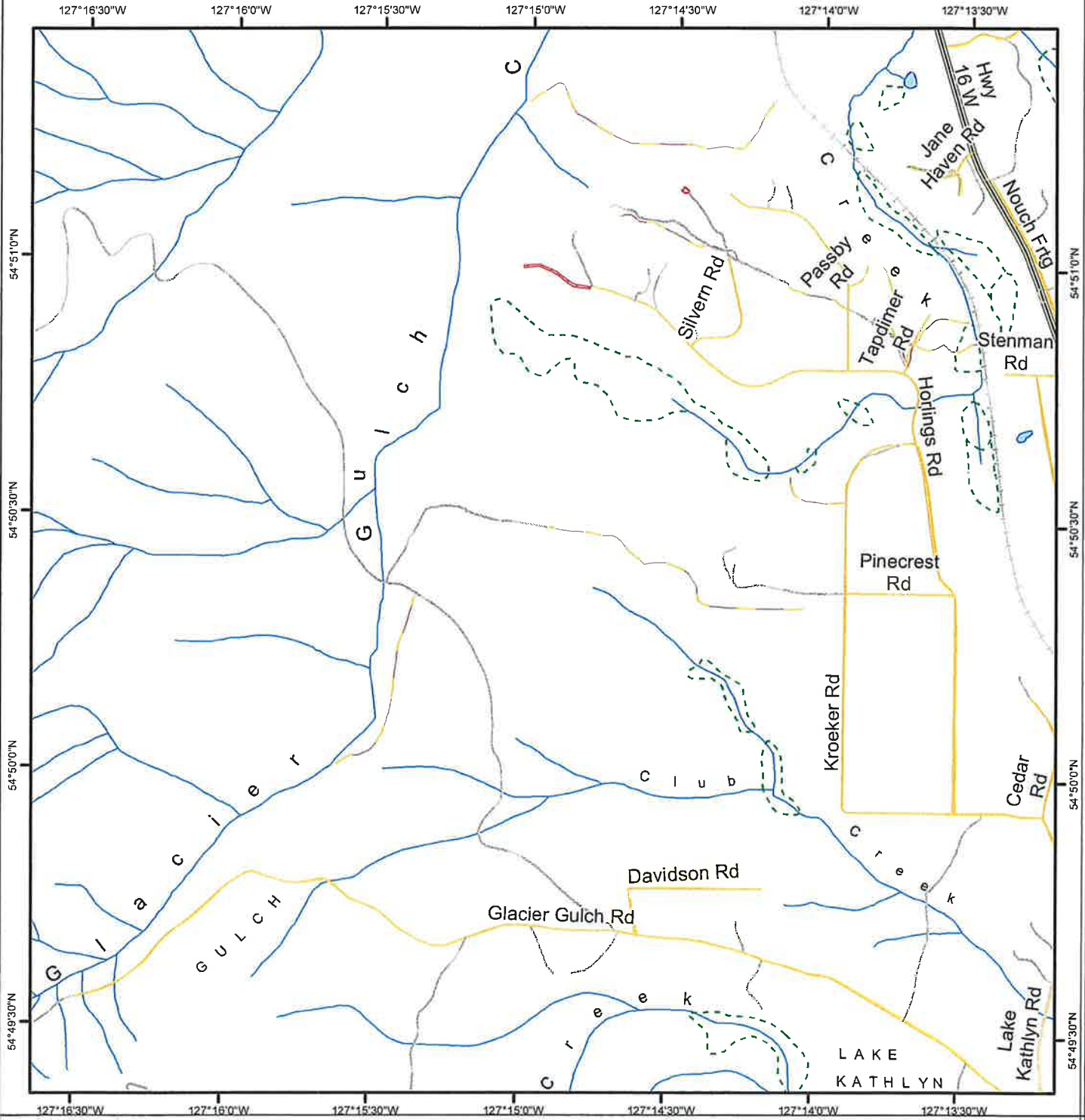
**REGIONAL DISTRICT OF BULKLEY-NECHAKO COMMENT  
SHEET ON CROWN LAND REFERRAL 6409156**

---

<b>Electoral Area:</b>	A
<b>Applicant:</b>	BC Hydro
<b>Existing Land Use:</b>	Vacant
<b>Zoning:</b>	Large Holdings (H2) under Zoning Bylaw No. 700, 1993.
<b>Plan Designation</b>	Resource (RE) under Smithers Telkwa Rural OCP No. 1704, 2014
<b>Proposed Use Comply With Zoning:</b>	Yes
<b>If not, why?</b>	N/A
<b>Agricultural Land Reserve:</b>	Not within the ALR
<b>Access Highway:</b>	Horlings Rd
<b>Archaeological Site:</b>	None according to provincial mapping
<b>Building Inspection:</b>	In the Building Inspection Area
<b>Fire Protection:</b>	Outside the Rural Fire Protection Area
<b>Other comments:</b>	None




Interest Holder: BC HYDRO

File No: 6409156  
Disposition No: 937018



Scale: 1:20,000  
Type: LICENCE  
Sub Type: LICENCE OF OCCUPATION  
Purpose: INDUSTRIAL  
Subpurpose: MISCELLANEOUS

**Legend**

-  Application Area
-  Parks and Protected Area
-  Indian Reserve

**Referral Map**

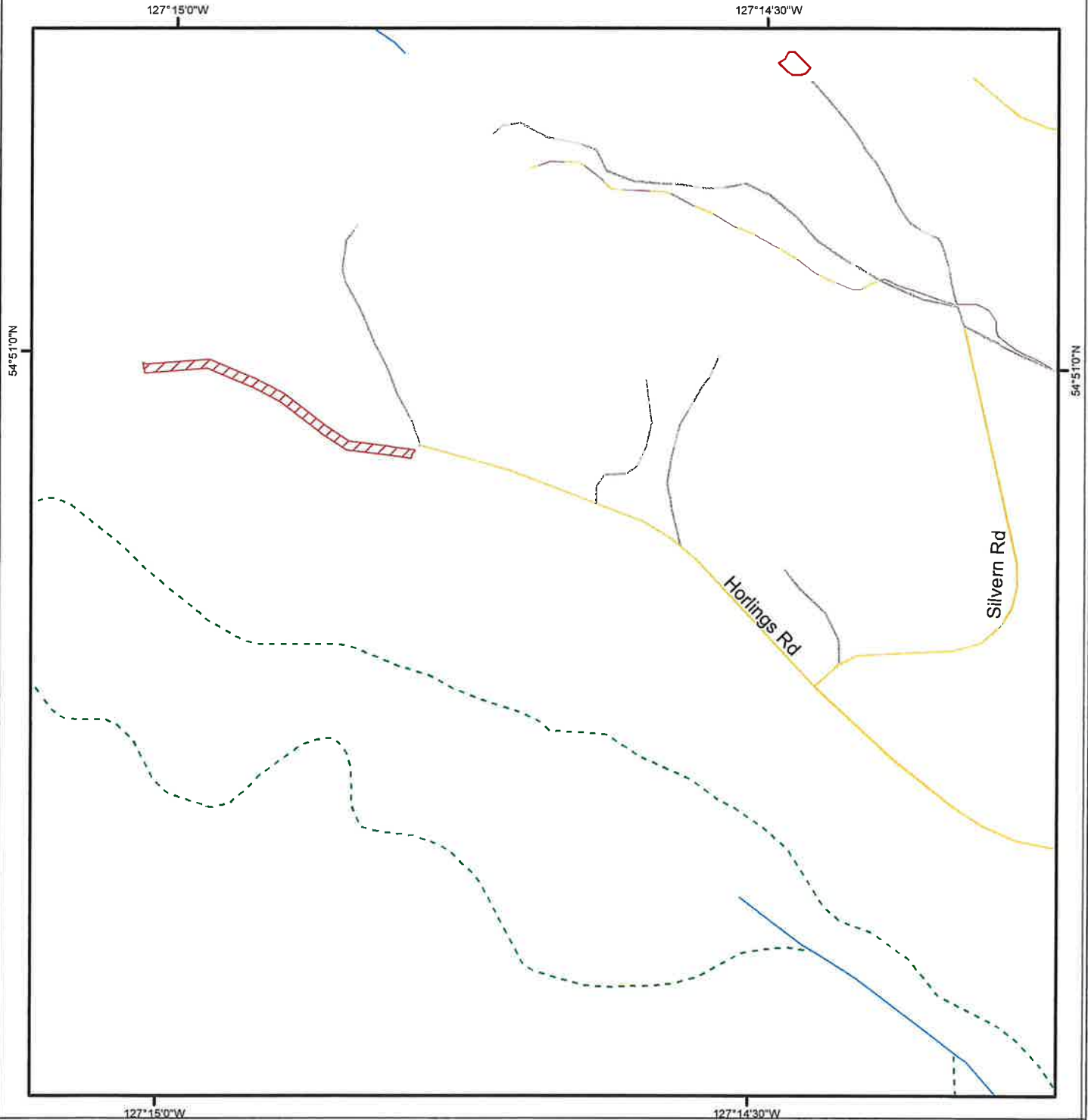


BRITISH COLUMBIA  
www.gov.bc.ca

Date: 10 Sep 2019  
Area: 0.21 ha +/-










Scale: 1:5,000  
 Type: LICENCE  
 Sub Type: LICENCE OF OCCUPATION  
 Purpose: INDUSTRIAL  
 Subpurpose: MISCELLANEOUS

**Legend**

	Application Area
	Parks and Protected Area
	Indian Reserve

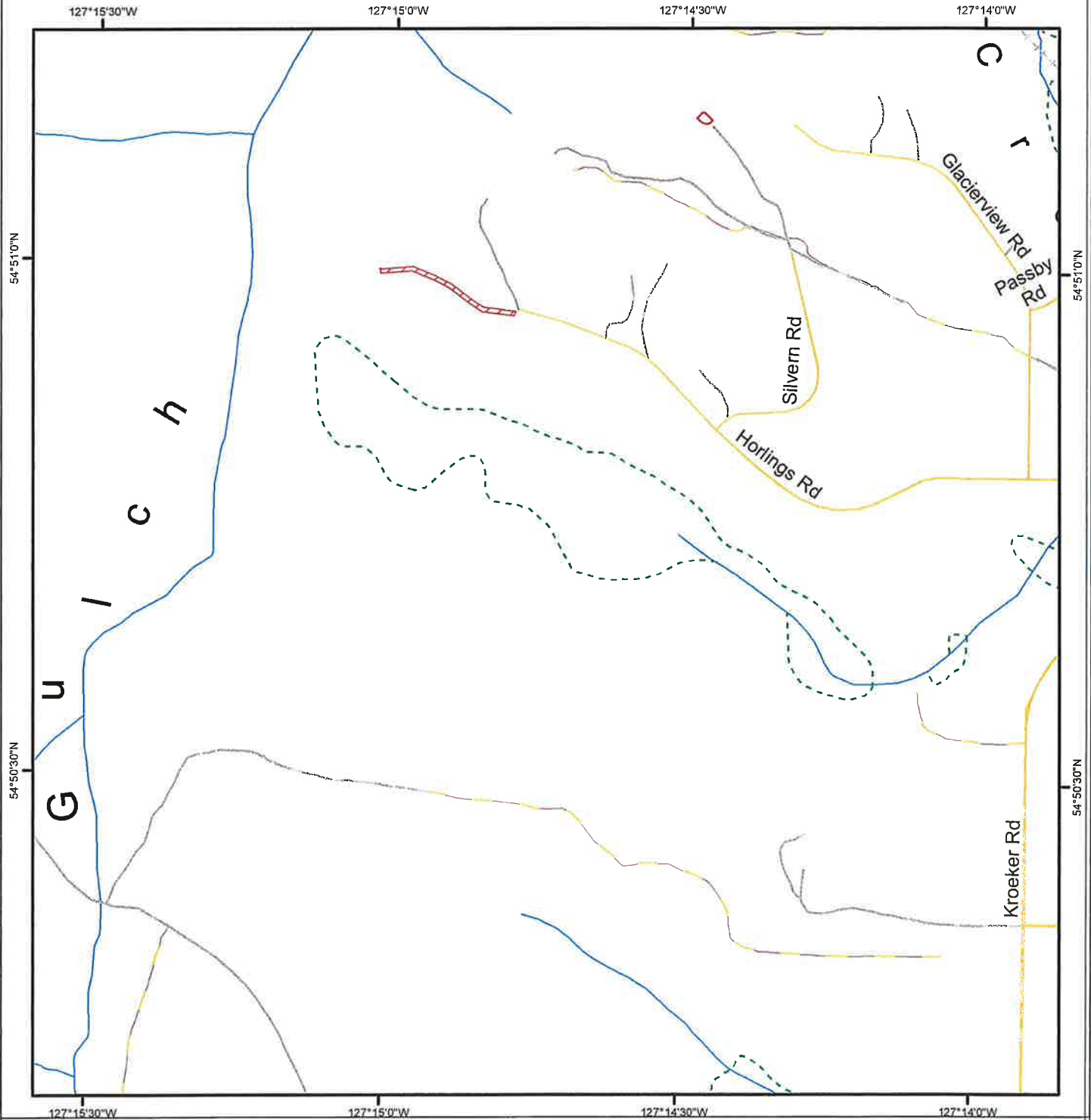
**Referral Map**



BRITISH COLUMBIA  
www.gov.bc.ca






Date: 10 Sep 2019  
Area: 0.21 ha +/-



Scale: 1:10,000  
 Type: LICENCE  
 Sub Type: LICENCE OF OCCUPATION  
 Purpose: INDUSTRIAL  
 Subpurpose: MISCELLANEOUS

**Legend**

-  Application Area
-  Parks and Protected Area
-  Indian Reserve

**Referral Map**



BRITISH COLUMBIA  
www.gov.bc.ca



Date: 10 Sep 2019  
Area: 0.21 ha +/-

**BC Hydro and Power Authority**

**Horlings Road Access**

**Road Works**

**Circuit 1L392 9-1**

**Access Management Plan**

**August 16, 2019**

**Prepared for:  
Richard Wheeler, RPF**



**Prepared by:  
Andrew Mackay, RPF  
Eagle Ridge Forestry Ltd.  
On behalf of Chartwell Consultants Ltd.**

**Project 19-4513**

Prepared by:	<u>Andrew Mackay, RPF</u>	<u>2019/08/16</u>
	Name of author	yyyy/mm/dd
	_____	_____
	_____	_____

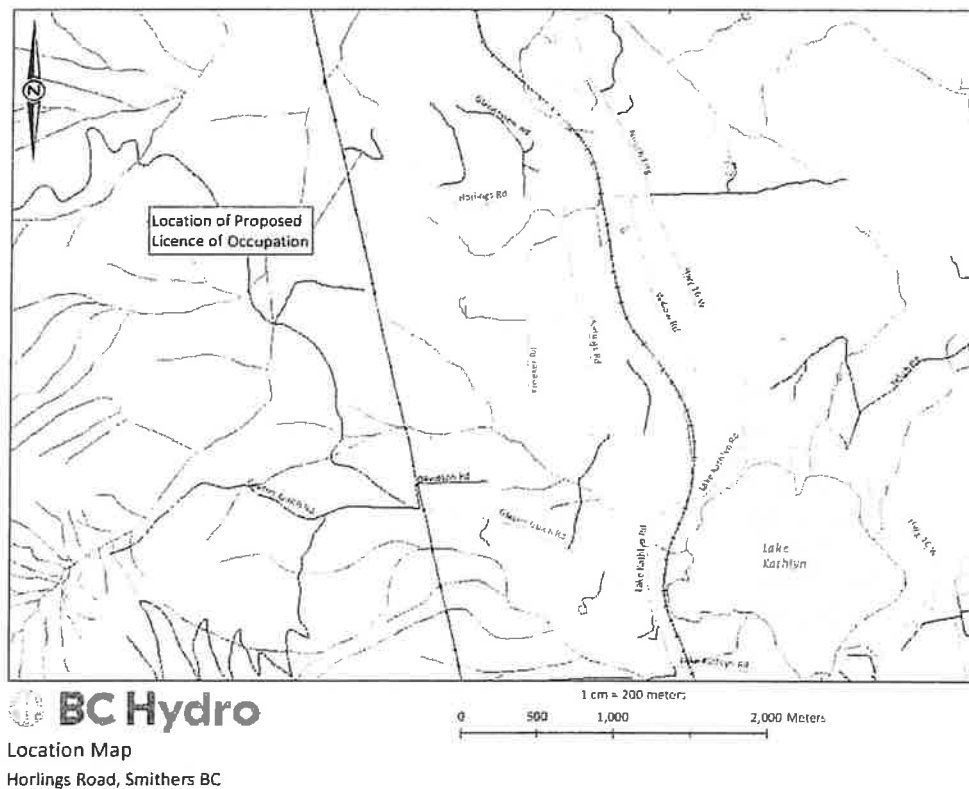
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## 1. PROJECT OVERVIEW

BC Hydro is planning to expand the road network to their transmission circuit 1L392 northwest of Simthers, BC to allow improved access for routine maintenance. BC Hydro is submitting a crown land application for a License of Occupation (LOO). The LOO will allow for the re-activation of an old access trail to connect to the BC Hydro transmission right-of-way (R/W). This will provide safer access for maintenance activities. The general location of this project is 9km northwest of Smithers starting from the end of Horlings Road (Refer to Figure 1).

**Figure 1: Location of Works relative to Smithers.**



**Project and purpose** – Currently no road access to this section of 1L392 transmission line exists. Currently there is a quad/hiking trail from the end of Horlings Road west to the powerline

**Location, size, and main features of project** - The project is located approximately 3.7km northwest of Lake Kathlyn near the community of Smithers. It is reached by travelling 7km north from Smithers on Highway 16. Turn left on Lake Kathlyn Junction Road, then travel west for 0.6km to Lake Kathlyn Road. Turn left on Lake Kathlyn Road and travel 0.7km across the CN tracks and turn right on Kroeker Road. Travel an additional 0.8km on Kroeker Road and turn right on Horlings Road. Travel on

Horlings Road to the end of pavement (2.9km on Horlings Road. The project involves 260m of new road construction to connect from the end of Horlings Road to Circuit 1L392 near tower 9-1.

**Access plans** - The site is located between the end of Horlings Road and Circuit 1L392 near tower 9-1. Access to the site for planning and construction will be via Horlings Road.

**1.1 Construction schedule** –The construction of the new road is scheduled for late spring to summer 2020 with project completion in the fall of 2020. Duration of job to construct the 260m of road will be approximately 3-4 days.

## 2. PROJECT DESCRIPTION

**2.1 Purpose** - Re-activation of this old access trail will allow maintenance trucks to access the transmission towers in this section and to continue further to the south and to the north along existing roads within the powerline right of way. Typically maintenance activities are scheduled for snow-free periods, however emergency repairs to restore power to the surrounding areas are done regardless of season as this is an important transmission line supplying power to the communities between Smithers and New Hazelton. Traffic volumes are low with two to three patrols per year and intermittent maintenance projects involving 5-15 vehicles for periods of one or two weeks. The term of the road will be for 5 years with re-assessment of access made at that time. The existing land use is forestry, and recreation. There is no intent to upgrade this road to Ministry of Transport standards or to prepare a gazette plan of the R/W.

**2.2 Construction** - The proposed road is 260m in length and will provide easier access to the transmission line right of way and several towers. Minimum horizontal road alignment is 25 m radius curves and vertical alignment meets a “K” value of 2. Turnouts are located at each end of the road. Road grades vary from 2-15% and side slopes range from 0-20% with a southern aspect. The soils are deep tills. The proposed new section of road is located on rolling mid-slope topography with no discernable water courses. Cut slopes will be 67% in materials other than rock and fill slopes will be 50-67% depending upon material type. Two 500mm x 9m steel culverts are proposed at stations: 0+007 and 0+120 to handle any ditch water during rain events. Right-of-Way logging is required for 260m of road length right from Horlings Road to the powerline edge. Clearing width is proposed to be 8m. A volume of approximately 63m<sup>3</sup> of merchantable logs from the 260m of road clearing will be decked at roadside (approximately 18m<sup>3</sup> of balsam, 19m<sup>3</sup> of pine, 13m<sup>3</sup> of spruce, 11m<sup>3</sup> of birch and 2m<sup>3</sup> of aspen). Ditching will be 0.4m deep by 0.4m wide. Road construction will be done using an excavator and a ripper/rock hammer equipped excavator if necessary. The estimated road cost will be approximately \$25,000. The contractor has yet to be determined. Construction is scheduled for late spring to summer with the project completion anticipated in the fall of 2020. The road centerline was marked in yellow flagging in April, 2019.

- 2.3 Materials** - Construction is planned to achieve a balanced cut/fill and locally available rock and gravel will be used for surfacing. Soils are sandy loam/glacial till that is less than 1m in depth with scattered weathered bedrock outcroppings. There are no end haul or disposal sites required and movement of cut/fill materials will be done with a dozer/excavator combination due to the short distance involved. Slash will be disposed of by trucking away to a suitable site.
- 2.4 Environment** - Proposed new road is located on rolling mid-slope topography with no discernable water courses. The road shall be surfaced with a combination of ripped rock/quarried rock/gravel which will create an erosion resistant surface. There are no identified other resource issues at this time. The road will be constructed to be a low risk/low maintenance access structure with annual patrols in lieu of future de-activation. Triton Environmental Consultants completed an Environmental Overview Assessment for this project and is attached.

### 3. Additional Information

#### 3.1 Environmental

- 3.1.1 **Land Impacts** – 260m of new road will have a running surface approximately 4.5 m wide. The average disturbed width will be 6m for a total disturbed area of approximately 0.16ha. The area of land in question is un-surveyed crown land and local materials will be used to construct this road. A review of BC Hydro's data base on April 8, 2019 does not show any archeological sites.
- 3.1.2 **Atmospheric Impacts** - Any atmospheric impact from construction activities will be minor and localized due to the short duration and small scope of work. The nature of any impacts would be vehicle emissions and dust during dry periods.
- 3.1.3 **Aquatic Impacts** - There are no water courses in the area under tenure application. There will be a construction supervisor onsite during construction of the road. BC Hydro's Standard Operating Procedures for fueling and working around water will be complied with by all activities.
- 3.1.4 **Fish and Wildlife Habitat** - A search of the Conservation Database Centre (CDC) indicated no conflicts.

#### 3.2 Socio-Community

- 3.2.1 **Land Use** - The project area is within the Skeena Stikine Natural Resource District. Some logging has taken place nearby in the past. Hiking, biking and quad use are the other activities in the area.
- 3.2.2 **Social-Community Conditions** - The project area is located 9km from the nearest community (Smithers) and will have no significant impact on the existing community services or infrastructure.
- 3.2.3 **Public Health** - there are no sewage facilities currently at the site and

none are proposed with this project.

- 3.2.4 **First Nations**- BC Hydro has not approached any First Nations organization with regard to this proposal.





## Environmental Overview Assessment BC Hydro 1L392 8-11 to 9-4 Horlings Road

Prepared for:

**Eagle Ridge Forestry Ltd.**  
5118 McConnell Avenue  
Terrace, BC.  
V8G 4X1

Contact: *Drew Mackay, RPF, Principal.*

**TRITON**  
Environmental Consultants

<b>Revision History and Approvals</b>			
<b>Project Name</b>		BC Hydro Circuit 1L392 8-11 to 9-4 Horlings Road	
<b>Project Number</b>		10251.04	
<b>Report Title</b>		Environmental Overview Assessment	
<b>Document #</b>		WPT-5253	
<b>Report Author(s)</b>		Matthew Huntley, B.Sc., R.P.Bio, P.Biol	
<b>Date</b>	<b>Version</b>	<b>Review Type</b>	<b>Reviewed by</b>
July 3, 2019		Senior Review	Shawn Giesbrecht, ASCT, EP.
July 5, 2019		Document Review	Kevin Doddridge, B.Sc.

## Disclaimer

This report is rendered solely for the use of Eagle Ridge Forestry Ltd. on behalf of BC Hydro in connection with 1L392 8-11 proposed access project (the Project), and no person may rely on it for any other purpose without Triton Environmental Consultants Ltd.'s prior written approval. Should a third party use this report without Triton's approval, they may not rely upon it. Triton accepts no responsibility for loss or damages suffered by any third party as a result of decisions made or actions taken based on this report.

This report is based on facts and opinions contained within the referenced documents, including the results of any data collection programs carried out in relation to this report. We have attempted to identify and consider facts and documents relevant to the scope of work, accurate as of the time period during which we conducted this analysis. However, the results, our opinions, or recommendations may change if new information becomes available or if information we have relied on is altered.

We applied accepted professional practices and standards in developing and interpreting data. While we used accepted professional practices in interpreting data provided by Eagle Ridge or third-party sources, we did not verify the accuracy of any such data.

This report must be considered as a whole; selecting only portions of this report may result in a misleading view of the results, our opinions, or recommendations.

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## **1.0 Introduction**

### **1.1 Project Description**

BC Hydro and Power Authority (BC Hydro) is proposing to design and construct a short access trail between the end of Horlings Road, located outside the Town of Smithers in the Bulkley Nechako Regional District, to the existing right-of-way (ROW) of BC Hydro's 138 kV transmission line circuit 1L392 near structure 9-01. The clearing footprint for the new access would be approximately 8 m wide and 260 m long and would contain a gravel road that would provide reliable vehicular access to structures 8-11 to 9-4 for future maintenance or upgrade work.

### **1.2 Scope of Report**

Triton was retained by Eagle Ridge Forestry Ltd. on behalf of BC Hydro to perform an environmental overview assessment (EOA) in support of a License of Occupation (LOO) application for a new right of way (ROW) and the access road (Figure 1).

The purpose and scope of this EOA report is to:

- Summarize available aquatic and terrestrial background information that relate to the Project area;
- Characterize any environmental features observed within the Project area during field assessment;
- Outline any physical and administrative features which have the potential to impact work proposed in the area;
- Provide recommendations for potential mitigation measures as well as possible areas of further assessment.

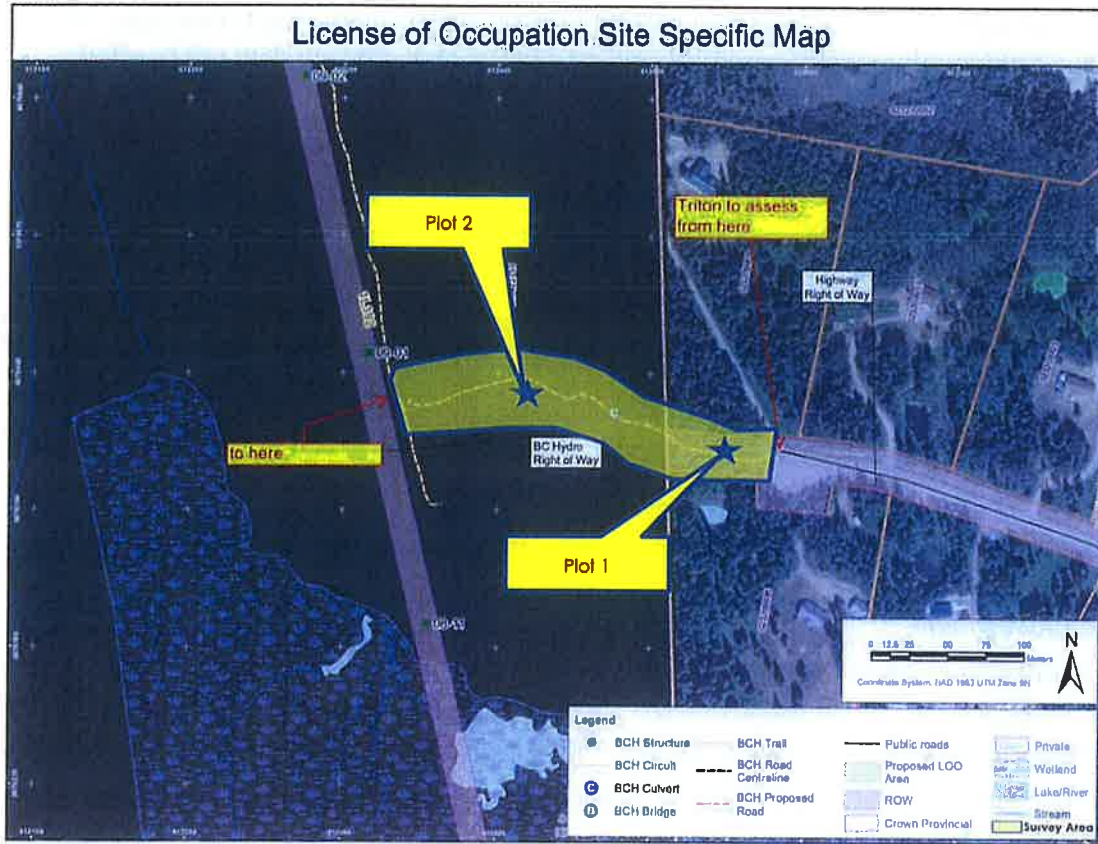


Figure 1. Map of Project/Study area



## 2.0 Methods

### 2.1 Study Area

The study area was equivalent to the proposed clearing limits, previously stated as 8 m x 260 m area between Horlings Road and the BC Hydro ROW, with an additional buffer of 11m on either side for a total width of 30m.

### 2.2 Existing Information

A desktop review of information pertaining to the study area was done to obtain baseline information and references to notable environmental features which may affect development plans. Information gathered through this exercise was used to direct and inform field survey efforts outlined below. Online resources accessed included the following:

- **BC Species and Ecosystem Explorer** (BC CDC, 2019) – a web-based tool used to identify species and ecological communities of conservation concern within regions and districts of BC. Search criteria included:
  - Native species (occurs naturally in BC);
  - Provincially red listed (extirpated, endangered, or threatened) and blue listed (special concern) and federal Species at Risk (SARA);
  - Occurs within the Regional District of Bulkley-Nechako; and,
  - Occurs within the Dry Cool subzone of the Sub-Boreal Spruce BEC zone (SBSdk).
- **Habitat Wizard and iMapBC** (BC MOE, 2019) – a map-based tool used to access and spatially view detailed fish, wildlife, and ecosystems information for British Columbia.

### 2.3 Field Assessment

The field assessment was conducted on May 25, 2019 by Matthew D. Huntley, B.Sc., R.P.Bio, P.Biol. of Triton based in Terrace, BC. All assessments were performed by foot traverse using meandering transects. The field work primarily focused on the following key areas:

- Identification of terrestrial vegetation and classification of the ecosystems represented in the study area;
- Observation of wildlife or wildlife sign within the study area, and collection of biophysical information to determine wildlife habitat suitability for avian, mammal, reptile, and amphibian species; and,
- Assessment of any watercourses within the study area, and classification of those watercourses in accordance the methods outlined in the Reconnaissance (1:20 000) Fish and Fish Habitat Inventory Standards and Procedures (RIC 2001) and the Fish-stream Identification Guidebook (BC Ministry of Forests 1998). These inventory methods were modified to focus on the proposed road crossing(s) as full watershed level inventories were not required given the scope of the Project.

Two 30 m diameter plots were established in the study area in locations representative of surrounding vegetation (Figure 1). Each plot was classified down to the site series level and characterized in general terms at the canopy, understory, and shrub/herb levels. Identification of plant species was optimal given key features were present due to the time of year (growing season) the assessment was performed. Habitat was also assessed outside of these plots along the entire length of the proposed footprint.

The wildlife assessment focused on habitat use and suitability. The following summarizes key features of the survey for each wildlife class:

- Avian
  - Dominant vegetation and habitat characteristics including distance to edges, presence of open water, vegetation density and presence of suitable wildlife trees
  - Evidence of previous use including old nests
  - Current use including two 5-minute point count surveys were conducted using the same plot locations as those used for the terrestrial vegetation survey.
- Mammals and amphibians:
  - Evidence of current and past use including, but not limited to, tracks, scat, fur, markings, bedding areas, mammal dens, and amphibian breeding and rearing habitat.

Available habitat was also assessed considering habitat preferences for species of conservation concern to determine the likelihood of encountering these species in the study area.

## **3.0 Results**

### **3.1 Project Setting**

The proposed ROW lies within provincial crown land bordered to the north and south by private property. The ROW parallels a footpath to the north which meanders in and out of private property toward the eastern 60 m of the site. The ROW then joins the footpath beyond the private property line, continuing to the existing BC Hydro transmission line ROW.

### **3.2 Desktop Review**

A total of 45 plant and wildlife species of conservation concern were identified during the desktop review as having the potential to occur within the regional area. Only those considered to have potential to occur within the project footprint given the habitat variables observed in the field are discussed in the following sections. For a complete list of identified species, see Appendix 2.

### **3.3 Ecological Setting and Vegetation**

The ROW falls exclusively within the Sub-boreal Spruce Dry Cool Biogeoclimatic Zone (SBSdk). The Project area is located on an upper-toe slope with a southwesterly aspect and an average slope of approximately 12%, generally increasing toward the western extent of the site before flattening

out toward the existing BC Hydro ROW. A small pond is located approximately 40 m to the south of the ROW centerline, with a greater wetland complex located approximately 200 m to the southwest. While these areas are outside the Project footprint, they may contribute to the overall wildlife habitat value of the project area as outlined in the proceeding sections by providing breeding or foraging areas for various wildlife species that may use the area throughout their life cycle. No plant species or ecological communities of conservation concern with potential for occurring within the Project footprint were observed in either the desktop or field portions of this survey.

Two distinct ecosystem types are present within the Project footprint. The easternmost 70 m (Plot 1) is composed of a younger hardwood stand dominated by black cottonwood (*Populus trichocarpa*) with a smaller component of lodgepole pine (*Pinus contorta*), paper birch (*Betula papyrifera*), and sub-alpine fir (*Abies lasiocarpa*). The understory is open with a moderate to poorly developed shrub layer dominated prickly rose (*Rosa acicularis*), birch-leaved spirea (*Spiraea betulifolia*), red elderberry (*Sambucus racemose*), highbush cranberry (*Viburnum trilobum*), and clasping twistedstalk (*Streptopus amplexifolius*). The moderately developed herb layer is heavily dominated by purple peavine (*Lathyrus nevadensis*) with smaller components of heart-leaved arnica (*Arnica cordifolia*), red columbine (*Aquilegia canadensis*), kneeling angelica (*Angelica geniflexa*), cow parsnip (*Heracleum maximum*), and Canada violet (*Viola canadensis*). Based on the slope position and plant associations, this section was classified as site series SBSdk/53 Mountain alder – Mitrewort.

The western portion of the Project site (Plot 2) is a more mature conifer-dominated stand with a canopy of lodgepole pine (*Pinus contorta*), sub-alpine fir (*Abies lasiocarpa*), and hybrid white spruce (*Picea glauca* x *engelmannii*) with a smaller component of paper birch (*Betula papyrifera*). The shrub layer is less developed than the hardwood dominated stand and is dominated by false Solomon's seal (*Maianthemum racemosum*), thimbleberry (*Rubus parviflorus*), prickly rose (*Rosa acicularis*), black twinberry (*Lonicera involucrate*), and *Vaccinium* species. The herb layer is dominated by queen's cup (*Clintonia uniflora*), purple peavine (*Lathyrus nevadensis*), cow parsnip (*Heracleum maximum*), clasping twistedstalk (*Streptopus amplexifolius*), western meadowrue (*Thalictrum occidentale*), and Canada violet (*Viola canadensis*). Due to its slope position and plant associations, this site was classified as site series SBSdk/06 Swx – Twinberry – Coltsfoot.

### **3.4 Wildlife**

#### **3.4.1 Avian**

Fourteen bird species were observed within the proposed ROW during the survey (Table A). The highest density was observed within the hardwood-dominated ecosystem (SBSdk/53) to the east of the site where 13 out of 14 bird species were observed. This area provides high quality nesting and foraging habitat for breeding birds. Of the seven species of conservation concern identified as having potential to occur within the regional area, only the Olive-sided Flycatcher was confirmed to be present within the Project area. All other avian species of conservation concern



were considered to have low or moderate potential to occur based on a lack of suitable, high quality preferred habitat (Table B).

The Olive-sided Flycatcher (*Contopus cooperi*) is a Provincially Blue-listed species and is listed as Special Concern under the Federal *Species at Risk Act*. Critical habitat has not yet been identified for protection for this species. This species is widespread throughout BC, favouring forest and woodland habitats and generally nesting in conifers 2 to 15 m off the ground. As the breeding territory for this species is quite large, typically 10 to 26 ha, its presence within the Project area does not necessarily mean that the species is nesting within the ROW footprint. At least two breeding males were identified in the area, both occurring at or near the treeline on the eastern end of the site. The Project area and surrounding forest are considered to be high quality nesting habitat for this species.

No raptor or other stick nests were observed within the survey area.

**Table A. Bird species observed within Project area on May 25, 2019**

Common Name	Scientific Name	Site Series	Potential Nesting?
Cassin's Vireo	<i>Vireo cassinii</i>	SBSdk/53, SBSdk/06	Yes
Ruby-crowned Kinglet	<i>Regulus calendula</i>	SBSdk/53, SBSdk/06	Yes
Pine Siskin	<i>Spinus pinus</i>	SBSdk/53	Yes
Northern Flicker	<i>Colaptes auratus</i>	SBSdk/53	Yes
Wilson's Warbler	<i>Cardellina pusilla</i>	SBSdk/53	Yes
Red-breasted Nuthatch	<i>Sitta canadensis</i>	SBSdk/06	Yes
Warbling Vireo	<i>Vireo gilvus</i>	SBSdk/53	Yes
Least Flycatcher	<i>Empidonax minimus</i>	SBSdk/53	Yes
Olive-sided Flycatcher	<i>Contopus cooperi</i>	SBSdk/53	Yes
Yellow-rumped Warbler	<i>Setophaga coronata</i>	SBSdk/53	Yes
Dark-eyed Junco	<i>Junco hyemalis</i>	SBSdk/53	Yes
Hummingbird sp.	<i>Trochilidae sp.</i>	SBSdk/53	Yes
Golden-crowned Kinglet	<i>Regulus satrapa</i>	SBSdk/06	Yes
American Robin	<i>Turdus migratorius</i>	SBSdk/53, SBSdk/06	Yes

Table B. Bird species of conservation concern

Species Name	Listed By	Status <sup>1</sup>	Habitat Preference	Habitat Present
Barn Swallow ( <i>Hirundo rustica</i> )	CDC/SARA	Blue/T	Prefers open habitats that are near water bodies. Agricultural fields, anthropogenic fields, urban fields, lakes, estuaries, and wetlands are also used. Nests in buildings, under bridges, in caves or in cracks on cliffs (BC CDC, 1994). Requires a vertical surface above the nests. Has been known to use abandoned nests of other birds.	No suitable habitat observed although nesting opportunities may exist in adjacent private properties.
Common Nighthawk ( <i>Chordeiles minor</i> )	CDC/SARA	Yellow/SC	Nests in both rural and urban habitats including coastal sand dunes and beaches, logged forest, recently burned forest, woodland clearings, prairies, plains, sagebrush, grasslands, open forests, and rock outcrops. Also presents in mixed and coniferous forests (COSEWIC, 2007).	Open woodland and mixed forest habitat, particularly at eastern extent of footprint (SBSdk/53), offers potential nesting habitat. Cleared private land to the south offers more likely nesting and foraging potential.
Short-eared Owl ( <i>Asio flammeus</i> )	CDC/SARA	Blue/SC	Broad expanses of open land with low vegetation for nesting and foraging are required. Habitat types include fresh and saltwater marshes, bogs, dunes, grassy plains, old fields, river valleys, meadows, savanna, open woodland, and heathland. In general, any area that is large enough, has low vegetation with some dry upland for nesting, and that supports suitable prey may be considered potential breeding habitat. Nearby water considered a requirement for nesting habitat. Roosts by day on ground, on low open perch, under low shrub, or in conifer (BC CDC, 1995).	Hardwood ecosystem at eastern extent of footprint offers relatively open woodland habitat potentially suitable for nesting, although low quality due to preference for more open habitats such as grasslands. Nearby pond, wetland, and agricultural field have foraging value.
Olive-sided Flycatcher ( <i>Contopus cooperi</i> )	CDC/SARA	Blue/SC	Breeds in forest and woodland, especially in burned-over areas with standing dead trees, in taiga, subalpine coniferous forest, and mixed coniferous-deciduous forest. Often in close proximity to, but not within, wetlands or waterbodies which support high abundance of aerial insects. Nests are placed	Multiple individuals observed in area during survey. Project footprint and surrounding forest provides high quality nesting habitat associated with mixed forest found in both site series described. Nearby wetland and waterbody provide source for aerial insect prey.

Species Name	Listed By	Status <sup>1</sup>	Habitat Preference	Habitat Present
			most often in conifers, on horizontal limbs 2 to 15 m from the ground (BC CDC, 2010 (1)).	
Rusty Blackbird ( <i>Euphagus carolinus</i> )	CDC/ SARA	Blue/SC	Breeding habitat includes moist woodland (primarily coniferous), bushy bogs and fens, and wooded edges of watercourses and beaver ponds. Nests are in trees or shrubs, usually in or near water, frequently in a conifer to about 6 m above ground (BC CDC, 2007).	Suitable habitat primarily in and around wetland areas to the SW. No suitable habitat observed within Project footprint.
Northern goshawk ( <i>Accipiter gentilis atricapillus</i> )	CDC	Blue	Prefer mature forests with large trees, relatively closed canopies (60–90%), and open understories. Nests are frequently found near the lower portion of moderate slopes, close to water, and often adjacent to a canopy break (Kennedy, 2003).	While the canopy closure and relatively open understory of this site are favorable, the lack of suitable large trees (>53cm dbh) make this stand unlikely nesting habitat.
Great Blue Heron, herodias subspecies ( <i>Ardea herodias Herodias</i> )	CDC	Blue	Requires abundant foraging habitats, including aquatic areas such as tidal mudflats, riverbanks, lakeshores, and wetlands, within 10km of nest site. Colonies occur in relatively contiguous forest, fragmented forest, and solitary trees and nests occur in both coniferous and deciduous trees.	Potential for nesting, particularly in SBSdk/53 portion of the site. Foraging habitat exists regionally. Nest colonies are generally conspicuous and no evidence of nesting or use detected during assessment.

<sup>1</sup>Refers to provincial colour ranking, and SARA Schedule 1 as T=threatened and SC=Special Concern

### 3.4.2 Mammals and Amphibians

No Provincial Wildlife Habitat Areas, Ungulate Winter Range or Federal critical habitat areas were identified within the proposed ROW during the desktop review. No scat, tracks, dens, or bedding areas were observed during the survey. Markings on trees in the area indicates past bear use. While no evidence of recent ungulate use was observed, both site series have browse value due to the diversity of plant species in the shrub and herb layers. Squirrel middens were common. No bat roosting habitat was identified during the assessment.

Four mammal species of conservation concern were identified as having potential to occur in the region (Table C). Of these, only Grizzly Bear is considered to have a moderate likelihood of occurrence in the Project area. No appropriate denning habitat for Grizzly Bear was identified but as this species has a large home range, they may use the area as a travel corridor, day bedding, or for its high forage value.

One reptile (Painted Turtle Intermountain Rocky Mountain Population) and one amphibian (Western Toad) of conservation concern were identified as having potential to occur in the region (Table C). Only the Western Toad is considered likely to occur within the Project footprint. Suitable breeding areas exist in the pond and wetland areas to the southwest, and the Project footprint may provide suitable upland habitat for foraging and hibernation.

**Table C. Mammal and amphibian species of conservation concern**

Species Name	Listed By	Status	Habitat Preference	Habitat Present
Western Toad ( <i>Anaxyrus boreas</i> )	CDC/ SARA	Yellow/SC	Utilizing a wide variety of aquatic and terrestrial habitats for breeding and foraging. Following breeding, adults may disperse several kilometres. Over winter, hibernates in terrestrial area favouring mature to old growth spruce dominated stands (BC CDC, 2010 (2)).	No breeding areas occur within Project footprint. Area may provide upland habitat for post-breeding and overwintering life phases.
Painted Turtle Intermountain Rocky Mountain Population ( <i>Chrysemys picta</i> )	CDC/ SARA	Blue/SC	Forages and reproduces in aquatic wetland habitat (pond, wetland, or small lake with slow moving or still water and muddy bottoms with submerged and emergent vegetation). May overwinter on wetland bottom or burrow up to 1 m under substrate. Nest sites usually within 150 m but up to 200 m of water. Limited barriers between wetland and nest site. Sunny spot with loose to dense, well-drained soil, gravel, or silt (ECCC, 2017).	No wetland or nesting habitat within Project footprint. Potentially suitable habitat may exist in pond and wetland areas SW of the Project area.
Wolverine, <i>luscus</i> subspecies ( <i>Gulo gulo luscus</i> )	CDC/ SARA	Blue/SC	Wide ranging species with little selection for stand level features. Habitat likely defined by the distribution and abundance of food, including carrion as well as suitable habitat/ structures for denning and rendezvous points. Natal and maternal dens typically situated in snow tunnels leading to masses of fallen trees (accumulations of classes 1–3 coarse woody debris) or rocky colluvium and are generally	Potential for use as foraging and/or travel corridor. Little to no value as denning habitat.



Species Name	Listed By	Status	Habitat Preference	Habitat Present
			associated with small-scale forest openings (e.g., <100 m across) at high-elevations (i.e., ESSF/ESSFp ecotone) (BC MWLAP, 2004).	
Little Brown Myotis ( <i>Myotis lucifugus</i> )	CDC/ SARA	Yellow/E	Wide range of habitats often use human-made structures for resting and maternity sites; they also use caves and hollow trees. Foraging habitat requirements are generalized; foraging occurs over water, margins of lakes and streams, or in woodlands near water. Winter hibernation sites (caves, tunnels, abandoned mines, and similar sites) generally have a relatively stable temperature of about 2 to 12°C. Maternity colonies commonly are in warm sites in buildings (e.g., attics) and other structures; also infrequently in hollow trees (BC CDC, 2015).	No suitable den or roosting sites identified. Project area may provide foraging habitat due to proximity to wetland and ponded areas.
Caribou (northern mountain population) ( <i>Rangifer tarandus</i> )	CDC/ SARA	Blue/SC	Habitat requirements are complex. Winter foraging requires adequate supply of terrestrial and arboreal lichens and snow conditions allowing travel on top of snowpack. Calving requires relatively undisturbed high elevation calving habitat where Caribou can disperse widely and calve in isolation away from predators (BC MWLAP, 2004).	Project area provides little value as calving grounds or winter range. Arboreal lichen density is low, providing minimal opportunities for foraging.
Grizzly Bear ( <i>Ursus Arctos</i> )	CDC/ SARA	Blue/SC	Denning sites used from November through March. Hibernating habitats tend be high elevation areas that are on steep north-facing slopes, and have dry, stable soil conditions that remain frozen during the winter. Dens are usually in soils suitable for digging and where vegetation will stabilize the roof of the den and snow will accumulate for insulation. In the spring, grizzlies feed mainly on the roots of <i>Hedysarum</i> spp., spring beauty ( <i>Claytonia lacneolata</i> ), and/or avalanche lily ( <i>Erythronium grandiflorum</i> ) depending on local abundance, and on carrion. They may also opportunistically prey on winter-weakened ungulates. As the green vegetation emerges the bears begin to graze on grasses,	Denning habitat absent from Project area. Area has value as forage due to abundance of herb layer and various berry species (particularly in SBSdk/53) and as day bedding site.

Species Name	Listed By	Status	Habitat Preference	Habitat Present
			horsetails, rushes, and sedges (BC MWLAP, 2004).	
Fisher ( <i>Pekania pennant</i> )	CDC	Blue	Typically associated with late successional riparian and dense wetland forests with productive understory which support abundant prey species. Presence of suitable resting and maternal den sites (cavities within large decaying trees, abundant coarse woody debris, suitable branch sites) is important (BC MWLAP, 2004).	Lack of large trees limits maternal den potential. Minimal large coarse woody debris and sparse understory make habitat less desirable. May be used as travel corridor between more suitable wetland and riparian habitats in the region.
<small>†Refers to provincial colour ranking, and SARA Schedule 1 as T=threatened and SC=Special Concern</small>				

### 3.5 Fish and Aquatic Resources

A non-classified drainage was identified at 09U 0612468E 6079450N, the proposed crossing of which is noted in Figure 1 as '@ BCH Culvert'. It is in a shallow north-south draw and as there was no observable scour or alluvium present, no defined channel, and was fully vegetated, it does not meet the definition of a Stream as defined by either the BC *Water Sustainability Act* or the BC *Forest and Range Practices Act*. The feature does not provide fish habitat. The presence of a small footbridge along the existing footpath to the north of the ROW indicates that the draw is seasonally wetted, however the lack of scour or other evidence of fluvial processes suggest that, if present, overland flow is restricted to only the highest periods of rainfall or heavy snowmelt. No other watercourses were observed along the proposed ROW.

## 4.0 Summary

Based on the results of this assessment the following conclusions can be drawn:

- No rare or endangered plant species were observed or are expected to occur based on desktop review and the environmental conditions present in the study area;
- Avian species are likely to use the ROW during the breeding season, which is from mid April to mid-August for this location (ECCC, 2018);
- An Olive-sided Flycatcher, which is a Provincial and Federal species of conservation concern, was observed and likely uses the proposed ROW for nesting;
- While a wide range of mammals may use the study area, use by mammals of conservation concern is likely limited to Grizzly Bear which have limited potential habitat use within the project footprint.
- Potential upland forage and hibernation habitat for Western Toad and other amphibian species was observed within the Project footprint.

- The watercourse identified was a non-classified drainage which did not provide fish habitat and was not connected to fish habitat.

## 5.0 Recommendations

- To ensure management of impacts during access road construction, an Environmental Management Plan (EMP) should be developed by a Qualified Environmental Professional (QEP). The EMP would include operational provisions designed to minimize impacts to avian species, mammals, and other wildlife, in particular:
  - Measures to prevent wildlife-human interaction and bear aware education (e.g. Appropriate storage and removal of waste, pre-works wildlife surveys).
  - Measures to prevent the destruction or harassment of birds or their nests.
  - Measures to prevent and respond to spills of hazardous materials. This should include the proper storage and handling of hazardous materials as well as appropriate procedures for fueling of equipment on site.
  - Measures to prevent the introduction and spread of invasive species.
  - Measures to prevent the introduction of suspended sediments into waterbodies should flowing water be encountered during construction.
  - Provisions for the use of a Qualified Environmental Monitor during all works where the Project has the potential to cause adverse environmental effects to terrestrial or aquatic resources.
- Where possible, all vegetation removal should be performed outside the bird nesting season (April 1-Aug 30). If clearing is required during this period, appropriate measures should be taken to prevent the incidental take of birds, their nests, and their eggs including, but not limited to, pre-clearing nesting assessments performed by Qualified Environmental Professionals (QEP).
  - As no critical habitat has been identified for the Olive-sided flycatcher, a focus should be placed on preventing the disturbance of actively nesting birds through identification and protection of active nests prior to clearing.

## 6.0 References

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**APPENDIX 1**  
**FIELD PHOTOS**

**Photo 1 View of hardwood dominated stand looking west from the eastern vegetation plot on May 25, 2019**



**Photo 2 View of conifer dominated stand looking west from the western vegetation plot on May 25, 2019.**





**Photo 3 View of existing footpath as it joins the ROW looking west.**



**Photo 4 View of draw classified as NCD looking north from the ROW centerline.**



**Photo 5 View of draw classified as NCD looking south from the ROW centerline.**



**APPENDIX 2**  
**REGIONAL SPECIES OF CONSERVATION CONCERN**

## BC Species and Ecosystems Explorer Search Results

Scientific Name	English Name	Biogeoclimatic Units	Provincial	Status				Provincial FRPA	Land Use Objectives
				BC List	Global	COSEWIC	SARA		
<i>Accipiter gentilis atricapillus</i>	Northern Goshawk, <i>atricapillus</i> subspecies	BWBS ESSF ICH IDF MS PP SBPS SBS SWB	S3S4 (2017)	Blue	G5T5 (2016)	NAR (1995)			
<i>Acorus americanus</i>	American sweet-flag	ICHdw ICHxw IDFmw SBSdk SBSmh SBSwk	S3 (2018)	Blue	G5 (2015)				
<i>Acroloxus coloradensis</i>	Rocky Mountain Capshell	ESSF SBS	S3S4 (2015)	Blue	G3G4 (2014)	NAR (2001)			
<i>Ardea herodias herodias</i>	Great Blue Heron, <i>herodias</i> subspecies	BG ICH IDF MS PP SBS	S3? (2017)	Blue	G5T5 (2016)			Y	
<i>Asio flammeus</i>	Short-eared Owl	BG BWBS CDF CWH ICH IDF MS PP SBPS SBS SWB	S3B,S2N (2015)	Blue	G5 (2016)	SC (2008)	1-SC (2012)	Y	
<i>Botaurus lentiginosus</i>	American Bittern	BG BWBS CDF CWH ICH IDF MS PP SBPS SBS	S3B, SNRN (2015)	Blue	G5 (2016)				
<i>Brachythecium holzingeri</i>		CDF CMA CWH ESSF ICH IDF IMA MH MS SBS	S2S3 (2011)	Blue	GU (2000)				
<i>Buteo swainsoni</i>	Swainson's Hawk	BG BWBS CDF ICH IDF MS PP SBS	S2B (2015)	Red	G5 (2016)				
<i>Carex backii</i>	Back's sedge	SBSdk	S2S3 (2015)	Blue	G5 (2016)				
<i>Chrysemys picta</i> pop. 2	Painted Turtle - Intermountain - Rocky Mountain Population	BG ICH IDF PP SBS	S3? (2018)	Blue	G5T2T3 (2008)	SC (2016)	1-SC (2007)		
<i>Cicindela hirticollis</i>	Hairy-necked Tiger Beetle	BAFA BG CMA CWH ESSF ICH IDF IMA	S2S4 (2017)	Blue	G5 (2016)				

		MH MS PP SBPS SBS						
<i>Contopus cooperi</i>	Olive-sided Flycatcher	BWBS CDF CWH ESSF ICH IDF MH MS PP SBPS SBS SWB	S3S4B (2015)	Blue	G4 (2016)	SC (2018)	1-T (2010)	
<i>Cypseloides niger</i>	Black Swift	BAFA BG CDF CMA CWH ESSF ICH IDF IMA MH MS PP SBPS SBS SWB	S2S3B (2015)	Blue	G4 (2016)	E (2015)		
<i>Euphagus carolinus</i>	Rusty Blackbird	BG BWBS CDF CWH ESSF MS PP SBPS SBS SWB	S3S4B (2015)	Blue	G4 (2016)	SC (2017)	1-SC (2009)	
<i>Falco peregrinus anatum</i>	Peregrine Falcon, <i>anatum</i> subspecies	BG BWBS CDF CWH IDF MS PP SBS	S2? (2011)	Red	G4T4 (2016)	NAR (2017)	1-SC (2012)	
<i>Galba obrussa</i>	Golden Fossaria	BAFA BG ESSF ICH IDF IMA MS PP SBPS SBS	S2S3 (2015)	Blue	G5 (2015)			
<i>Grimmia mollis</i>		ESSFwc ICHmw IMAun SBSmc	S2S3 (2015)	Blue	G5 (2015)			
<i>Gulo gulo luscus</i>	Wolverine, <i>luscus</i> subspecies	BAFA BWBS CMA CWH ESSF ICH IDF IMA MH MS SBPS SBS SWB	S3 (2010)	Blue	G4T4 (2016)	SC (2014)	1-SC (2018)	Y
<i>Hirundo rustica</i>	Barn Swallow	BAFA BG BWBS CDF CWH ESSF ICH IDF IMA MH	S3S4B (2015)	Blue	G5 (2016)	T (2011)	1-T (2017)	

		MS PP SBPS SBS SWB					
<i>Hydroprogne caspia</i>	Caspian Tern	BG BWBS CDF CWH ICH IDF PP SBS	S3B (2015)	Blue	G5 (2016)	NAR (1999)	
<i>Isoetes x truncata</i>	truncated quillwort	SBSdw	S1S2 (2016)	Red	GNA (2016)		
<i>Larus californicus</i>	California Gull	BG BWBS CDF CWH ICH IDF MS PP SBS	S2S3B (2015)	Blue	G5 (2016)		
<i>Meesia longiseta</i>		BWBS ESSF MS SBS SWB	S3 (2015)	Blue	G5 (2012)		
<i>Melanitta perspicillata</i>	Surf Scoter	BG BWBS CDF CWH ICH IDF MS PP SBPS SBS SWB	S3B,S4N (2015)	Blue	G5 (2016)		
<i>Oncorhynchus clarkii clarkii</i>	Cutthroat Trout, <i>clarkii</i> subspecies	BWBS CDF CWH ICH SBS	S3S4 (2004)	Blue	G4T4 (1997)		
<i>Oreamnos americanus</i>	Mountain Goat	BAFA BG BWBS CDF CMA CWH ESSF ICH IDF IMA MH MS PP SBPS SBS SWB	S3 (2015)	Blue	G5 (2016)		
<i>Pekania pennanti</i>	Fisher	BAFA BWBS CDF CMA CWH ESSF ICH IDF IMA MH MS PP SBPS SBS SWB	S3 (2015)	Blue	G5 (2016)		Y
<i>Pelecanus erythrorhynchos</i>	American White Pelican	BG BWBS CDF CWH ICH IDF MS PP SBPS SBS	S1B (2015)	Red	G4 (2016)	NAR (1987)	Y



<i>Physella propinqua</i>	Rocky Mountain Physa	BAFA CDF CMA CWH ESSF IDF IMA MH MS SBPS SBS	S3S4 (2015)	Blue	G5Q (2015)			
<i>Physella virginea</i>	Sunset Physa	BAFA BG CDF CMA CWH ESSF ICH IDF IMA MH MS SBPS SBS	S3S5 (2015)	Blue	G5Q (2015)			
<i>Podiceps nigricollis</i>	Eared Grebe	BAFA BG BWBS CMA CWH ESSF ICH IDF IMA MH MS PP SBPS SBS	S3B (2015)	Blue	G5 (2016)			
<i>Polemonium elegans</i>	elegant Jacob's-ladder	BAFA CMA CWHxm ESSFd kp ESSFd v ESSFm v ESSFxc ESSFxc p IDFd w IDFw w IMA MSxk SBSd w	S3? (2015)	Blue	G4 (1988)			
<i>Rangifer tarandus</i> pop. 15	Caribou (northern mountain population)	BWBS ESSF MH SBS	S2S3 (2017)	Blue	G5T4T5 (2013)	SC (2014)	1-SC (2005)	Y
<i>Salvelinus confluentus</i>	Bull Trout	BG BWBS CWH ESSF ICH IDF MS PP SBPS SBS SWB	S3S4 (2018)	Blue	G4 (2017)	SC (2012)		Y
<i>Somatochlora forcipata</i>	Forcipate Emerald	ESSF MS SBPS SBS	S3? (2015)	Blue	G5 (2015)			
<i>Somatochlora kennedyi</i>	Kennedy's Emerald	BWBS ESSF MS SBPS SBS SWB	S3S4 (2015)	Blue	G5 (2015)			
<i>Sphaerium striatinum</i>	Striated Fingernailclam	BAFA BG BWBS CDF CMA CWH ESSF ICH IDF IMA	S3S4 (2015)	Blue	G5 (2015)			

		MH	MS	PP	SBPS	SBS	SWB				
<i>Sphagnum balticum</i>		BAFA	S2S3 (2015)	Blue	G5 (2015)	CWH	SBS	SWB			
<i>Splachnum vasculosum</i>		BWBS	S2S3 (2015)	Blue	G4G5 (2015)	SBS					
<i>Ursus arctos</i>	Grizzly Bear	BAFA	S3? (2015)	Blue	G4 (2016)	BWBS	SC (2002)	1-SC (2018)	Y		
		CMA				CWH					
		ESSF				ICH					
		IDF				IMA					
		MH				MS					
		SBPS				SBS					
		SBS				SWB					
<i>Woodsia alpina</i>	alpine cliff fern	SBSdw	S3 (2015)	Blue	G4G5 (2016)	SWBmk					

### Search Summary

**Time Performed** Tue Jun 25 12:47:42 PDT 2019

**Results** 41 records.

**Search Criteria** Animals OR Fungi (Lichens and Macrofungi) OR Plants OR Ecosystem Realm-Groups: Flood Group (F) OR Forest OR Grassland Group (G) OR Hydrogenic Group (H) OR Rock Group (R) OR Subalpine Shrub Group (S) OR Mineral Wetland Group OR Peatland Group OR Estuarine Realm OR Alpine Group (A) OR Beach Group (B)  
 AND BC Conservation Status:Red (Extirpated, Endangered, or Threatened) OR Blue (Special Concern)  
 AND Distribution: Native  
 AND Regional Districts: Bulkley-Nechako (BNRD)  
 AND BGC Zone:  
 Sort Order:Scientific Name Ascending

**Notes** 1. Citation: B.C. Conservation Data Centre. 2019. BC Species and Ecosystems Explorer. B.C. Minist. of Environ. Victoria, B.C. Available: <http://a100.gov.bc.ca/pub/eswp/> (accessed Jun 25, 2019).

2. Forest District, MoE Region, Regional District and habitat lists are restricted to species that breed in the Forest District, MoE Region, Regional District or habitat (i.e., species will not be placed on lists where they occur only as migrants).

3. The data contained in the Results Export in BCSEE are provided under the [Open Government License - BC](#).

[Modify Search](#) | [New Search](#) | [Results](#)

## BC Species and Ecosystems Explorer Search Results

Scientific Name	English Name	Biogeoclimatic Units	Status				Provincial FRPA	Land Use Objectives
			Provincial	BC List	Global	COSEWIC		
<i>Acipenser transmontanus</i>	White Sturgeon	BG CDF CWH ICH IDF MS PP SBS	S2 (2018)	No Status	G4 (2002)	E (2003)	1-E (2006)	
<i>Anaxyrus boreas</i>	Western Toad	BG BWBS CDF CWH ESSF ICH IDF PP SBS SWB	S4 (2016)	Yellow	G4 (2008)	SC (2012)	1-SC (2018)	
<i>Asio flammeus</i>	Short-eared Owl	BG BWBS CDF CWH ICH IDF MS PP SBPS SBS SWB	S3B,S2N (2015)	Blue	G5 (2016)	SC (2008)	1-SC (2012)	Y
<i>Chordeiles minor</i>	Common Nighthawk	BG BWBS CDF CWH ESSF ICH IDF MH MS PP SBPS SBS SWB	S4B (2015)	Yellow	G5 (2016)	SC (2018)	1-T (2010)	
<i>Chrysemys picta</i> pop. 2	Painted Turtle - Intermountain - Rocky Mountain Population	BG ICH IDF PP SBS	S3? (2018)	Blue	G5T2T3 (2008)	SC (2016)	1-SC (2007)	
<i>Contopus cooperi</i>	Olive-sided Flycatcher	BWBS CDF CWH ESSF ICH IDF MH MS PP SBPS SBS SWB	S3S4B (2015)	Blue	G4 (2016)	SC (2018)	1-T (2010)	
<i>Euphagus carolinus</i>	Rusty Blackbird	BG BWBS CDF CWH ESSF MS PP SBPS SBS SWB	S3S4B (2015)	Blue	G4 (2016)	SC (2017)	1-SC (2009)	
<i>Falco peregrinus</i>	Peregrine Falcon	BG BWBS CDF CWH ESSF ICH IDF MS PP SBS SWB	S3 (2015)	No Status	G4 (2016)	SC (2007)	1-SC	

<i>Falco peregrinus anatum</i>	Peregrine Falcon, <i>anatum</i> subspecies	BG BWBS CDF CWH IDF MS PP SBS	S2? (2011)	Red	G4T4 (2016)	NAR (2017)	1-SC (2012)	
<i>Gulo gulo</i>	Wolverine	BAFA BWBS CMA CWH ESSF ICH IDF IMA MH MS SBPS SBS SWB	S3 (2015)	No Status	G4 (2016)	SC (2014)	1-SC (2018)	
<i>Gulo gulo luscus</i>	Wolverine, <i>luscus</i> subspecies	BAFA BWBS CMA CWH ESSF ICH IDF IMA MH MS SBPS SBS SWB	S3 (2010)	Blue	G4T4 (2016)	SC (2014)	1-SC (2018)	Y
<i>Hirundo rustica</i>	Barn Swallow	BAFA BG BWBS CDF CWH ESSF ICH IDF IMA MH MS PP SBPS SBS SWB	S3S4B (2015)	Blue	G5 (2016)	T (2011)	1-T (2017)	
<i>Myotis lucifugus</i>	Little Brown Myotis	BG BWBS CDF CWH ESSF ICH IDF MH MS PP SBPS SBS SWB	S4 (2015)	Yellow	G3 (2016)	E (2013)	1-E (2014)	
<i>Rangifer tarandus</i> pop. 15	Caribou (northern mountain population)	BWBS ESSF MH SBS	S2S3 (2017)	Blue	G5T4T5 (2013)	SC (2014)	1-SC (2005)	Y
<i>Ursus arctos</i>	Grizzly Bear	BAFA BWBS CMA CWH ESSF ICH IDF IMA MH MS SBPS SBS SWB	S3? (2015)	Blue	G4 (2016)	SC (2002)	1-SC (2018)	Y

**Search Summary**

**Time Performed** Mon Jun 24 14:30:15 PDT 2019

**Results** 15 records.

**Search Criteria** Animals OR Plants OR Fungi (Lichens and Macrofungi) OR Ecosystem Realm-Groups: Flood Group (F) OR Forest OR Grassland Group (G) OR Hydrogenic Group (H) OR Rock Group (R) OR Subalpine Shrub Group (S) OR Mineral Wetland Group OR Peatland Group OR Estuarine Realm OR

Alpine Group (A) OR Beach Group (B)  
AND SARA Schedule 1 Status: True  
AND Distribution: Native  
AND Regional Districts: Bulkley-Nechako (BNRD)  
AND Municipalities: Smithers  
AND BGC Zone:  
AND BGC Zone, Subzone, Variant, Phase: SBSdk  
Sort Order: Scientific Name Ascending

**Notes**

1. Citation: B.C. Conservation Data Centre. 2019. BC Species and Ecosystems Explorer. B.C. Minist. of Environ. Victoria, B.C. Available: <http://a100.gov.bc.ca/pub/eswp/> (accessed Jun 24, 2019).

2. Forest District, MoE Region, Regional District and habitat lists are restricted to species that breed in the Forest District, MoE Region, Regional District or habitat (i.e., species will not be placed on lists where they occur only as migrants).

3. The data contained in the Results Export in BCSEE are provided under the [Open Government License - BC](#).

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