

R E P O R T

LOWER KOOTENAY BAND

**Assessment Studies
Water Systems and
Associated Water Management
Practices at Selected
First Nation Communities**

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

February 21, 2000

Lower Kootenay Band
Box # 1107
Creston, BC V0G 1G0

151-5-7-IR-45

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
s.19(1)	Feb 08/00	L 1	L 1	Satisfactory
Admin Blg - Coffee sink	Feb 08/00	L 1	L 1	Satisfactory
Ktunaxa-Kinbasket Wellness Centre	Feb 08/00	L 1	L 1	Satisfactory
Shae-Lex Store	Feb 08/00	L 1	L 1	Satisfactory
Yaqaan Nuki School; kitchen	Feb 08/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

If you have any questions please contact me at # 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHR & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

May 5, 2000

Lower Kootenay Band
Box # 1107
Creston, BC V0G 1G0

151-5-7-IR-45

CHEMICAL WATER QUALITY

Enclosed is a copy of the chemical analysis for water samples taken on April 4, 2000 from the Administration Building and House #99.

The Administration Building Water

The water sample met the 'Guidelines for Canadian Drinking Water' for all parameters tested. I asked the laboratory chemist specifically about the black staining in the electric kettle and he suggested that it may be manganese. The manganese in the sample measured less than 0.001 mg/L which is well below the aesthetic objective of 0.05 mg/L.

s.19(1)

The water met the 'Guidelines for Canadian Drinking Water' for all parameters tested with the exception of iron, manganese and turbidity. These parameters are not considered a health concern but are limited to meet aesthetic objectives.

Iron: the guidelines outline 0.3 mg/L as the aesthetic objective for iron in drinking water and these results measured 0.91 mg/L. This does not present a health concern but may cause undesirable tastes and may stain laundry and plumbing fixtures.

Manganese: the guidelines outline 0.05 mg/L as the aesthetic objective for manganese in drinking water and these results measured 0.068 mg/L. Manganese is not a health concern but may create black precipitates inside pipes and cause staining.

Turbidity: measured 12.0 NTU which is above the aesthetic objective of 5 NTU outlined in the guidelines. Organic-based turbidity - usually associated with surface water supplies - can hinder disinfection and supply nutrients for bacterial growth. Ground water usually contains non-organic based turbidity which is less likely to affect disinfection and the water may be microbiologically safe - routine bacteriological sampling is recommended.

Please contact me at # 470-5144 if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

May 16, 2000

Lower Kootenay Band
Box # 1107
Creston, BC V0G 1G0

151-5-7-IR-45

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Band Office, CWS	May 4/00	L 1	L 1	Satisfactory
Ktunaxa-Kinbasket Wellness Centre, CWS	May 4/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

If you have any questions please contact me at: (250) 470-5144.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHR & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

July 5, 2000

Lower Kootenay Band
Box # 1107
Creston, BC V0G 1G0

151-5-7-IR-45

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Ktunaxa-Kinbasket Wellness Centre	June 26/00	L 1	L 1	Satisfactory
Administration Building Bathroom Tap	June 26/00	6	L 1	* Resample

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Recommendations: Please resample from the administration building.

Please contact me at # 470-5144, if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHR & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

November 2, 2000

Lower Kootenay Band
Box # 1107
Creston, BC V0G 1G0

151-5-7-IR-45

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Band Office, CWS	Oct 24/00	L 1	L 1	Satisfactory
Wellness Centre	Oct 24/00	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth (other non-coliform bacteria interfere with accurate measurements and resampling is normally requested)

Please contact me at # 470-5144, if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHR & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

February 12, 2001

Lower Kootenay Band
Box # 1107
Creston, BC V0G 1G0

151-5-7-IR-45

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water samples collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Band Office, CWS	01/02/08	L 1	L 1	Satisfactory
School - kitchen, CWS	01/02/08	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth

Please contact me at (250) 470-5144, if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHR & File

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

May 30, 2001

Lower Kootenay Band
Box # 1107
Creston, BC V0G 1G0

151-5-7-IR-45

WATER SAMPLE REPORT

This report summarizes the bacteriological data pertinent to water sample(s) collected for the dates shown. Recommendations have been made where appropriate. Complete laboratory reports are on file and are available upon request.

Sample Location	Date	Total Coliform	Fecal Coliform	Remarks
Lower Kootenay Band Community Water System				
Admin Office -coffee sink	May22/01	L 1	L 1	Satisfactory
Relations-Creations Store	May22/01	L 1	L 1	Satisfactory
Wellness centre	May22/01	L 1	L 1	Satisfactory

L = less than EST = estimated count

OG = overgrowth

Please contact me at (250) 470-5144, if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHR & File



Health Canada / Santé Canada

Post-It™ Fax Note		7671E	Date	Oct 15 01	# of pages	5
To	Dick Vest		From	GRACE		
Co./Dept.						

Environmental Health Services
First Nations and Inuit Health
313 - 471 Queensway Ave.
Kelowna, BC V1Y 6S6

May 5, 2000

Lower Kootenay Band
Box # 1107
Creston, BC V0G 1G0

Your file / Votre référence

151-5-7-IR-45
Our file / Notre référence

CHEMICAL WATER QUALITY

Enclosed is a copy of the chemical analysis for water samples taken on April 4, 2000 from the Administration Building and House #99.

The Administration Building Water

Community water system

The water sample met the 'Guidelines for Canadian Drinking Water' for all parameters tested. I asked the laboratory chemist specifically about the black staining in the electric kettle and he suggested that it may be manganese. The manganese in the sample measured less than 0.001 mg/L which is well below the aesthetic objective of 0.05 mg/L.

s.19(1)

The water met the 'Guidelines for Canadian Drinking Water' for all parameters tested with the exception of iron, manganese and turbidity. These parameters are not considered a health concern but are limited to meet aesthetic objectives.

Iron: the guidelines outline 0.3 mg/L as the aesthetic objective for iron in drinking water and these results measured 0.91 mg/L. This does not present a health concern but may cause undesirable tastes and may stain laundry and plumbing fixtures.

Manganese: the guidelines outline 0.05 mg/L as the aesthetic objective for manganese in drinking water and these results measured 0.068 mg/L. Manganese is not a health concern but may create black precipitates inside pipes and cause staining.

Turbidity: measured 12.0 NTU which is above the aesthetic objective of 5 NTU outlined in the guidelines. Organic-based turbidity - usually associated with surface water supplies - can hinder disinfection and supply nutrients for bacterial growth. Ground water usually contains non-organic based turbidity which is less likely to affect disinfection and the water may be microbiologically safe - routine bacteriological sampling is recommended.

Please contact me at # 470-5144 if you have any questions.

Yours truly,

Grace Maciver, B.Sc., C.P.H.I.(C)
Environmental Health Officer

cc: CHR & File