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**ASSESSMENT STUDY OF WATER AND WASTEWATER SYSTEMS
AND ASSOCIATED WATER MANAGEMENT PRACTICES
AT OSOYOOS FIRST NATION OSOYOOS IR NO. 1**

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For

**Indian and Northern Affairs Canada
British Columbia Region**

By

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October 2001

Assessment Study of Water and Wastewater Systems
Osoyoos First Nation Osoyoos IR No. 1

Appendix D

WATER TESTING RESULTS

(CHEMICAL/PHYSICAL/BACTERIOLOGICAL)
WITH COMPARISONS TO THE
GUIDELINES FOR CANADIAN DRINKING WATER QUALITY (GCDWQ)



RESULTS OF ANALYSIS - Water

File No. K3129

Osoyoos
Water
Supply
99 01 27

JKW

Physical Tests

Colour	(CU)		<5
Conductivity	(umhos/cm)		488
Total Dissolved Solids			306
Hardness	CaCO3		199
pH			7.66
Turbidity	(NTU)		0.2

Dissolved Anions

Alkalinity-Total		CaCO3	199
Chloride	Cl		13.8
Fluoride	F		0.36
Sulphate	SO4		41

Nutrients

Nitrate Nitrogen		N	2.8
Nitrite Nitrogen		N	<0.1

Total Metals

Aluminum	T-Al		<0.005
Arsenic	T-As		0.0022
Barium	T-Ba		0.066
Boron	T-B		<0.05
Cadmium	T-Cd		<0.0002
Calcium	T-Ca		57.4
Chromium	T-Cr		<0.001
Copper	T-Cu		0.008
Iron	T-Fe		<0.03
Lead	T-Pb		<0.001
Magnesium	T-Mg		13.5
Manganese	T-Mn		<0.001
Mercury	T-Hg		<0.00005
Potassium	T-K		3.57
Selenium	T-Se		0.004
Sodium	T-Na		17.2
Uranium	T-U		0.00578
Zinc	T-Zn		0.010

Remarks regarding the analyses appear at the beginning of this report.
 Results are expressed as milligrams per litre except for pH, Colour (CU),
 Conductivity (umhos/cm), and Turbidity (NTU).
 < = Less than the detection limit indicated.



RESULTS OF ANALYSIS - Water

File No. I2051

Osoyoos
Band #4
Commun.
98 01 27

Physical Tests

Colour	(CU)	<5
Conductivity	(umhos/cm)	496
Total Dissolved Solids		316
Hardness	CaCO3	239
pH		7.51
Turbidity	(NTU)	<0.1

Dissolved Anions

Alkalinity-Total		CaCO3	204
Chloride	Cl		17.4
Fluoride	F		0.48
Sulphate	SO4		43

Nutrients

Nitrate Nitrogen		N	3.46
Nitrite Nitrogen		N	0.001

Total Metals

Aluminum	T-Al	<0.2
Arsenic	T-As	0.0028
Barium	T-Ba	0.07
Boron	T-B	<0.1
Cadmium	T-Cd	<0.0002
Calcium	T-Ca	65.8
Chromium	T-Cr	<0.01
Copper	T-Cu	0.01
Iron	T-Fe	<0.03
Lead	T-Pb	<0.001
Magnesium	T-Mg	18.2
Manganese	T-Mn	<0.005
Mercury	T-Hg	<0.00005
Potassium	T-K	4
Selenium	T-Se	0.0075
Sodium	T-Na	20
Zinc	T-Zn	0.013

Remarks regarding the analyses appear at the beginning of this report.
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Conductivity (umhos/cm), and Turbidity (NTU).
< = Less than the detection limit indicated.

Assessment Study of Water and Wastewater Systems
Osoyoos First Nation Osoyoos IR No. 1

Appendix E

WASTEWATER TESTING RESULTS

(CHEMICAL/PHYSICAL/BACTERIOLOGICAL)
WITH COMPARISONS TO THE
*GUIDELINES FOR EFFLUENT QUALITY AND WASTEWATER TREATMENT AT
FEDERAL ESTABLISHMENTS*

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