ATTACHMENT "A"

To Schedule E (LISTING OF RIVER REACHES AND REFERENCES TO TABLES OF WATER QUALITY OBJECTIVES)

RIVER	REACH (predetermined length)	TABLE LISTING WATER QUALITY OBJECTIVES (for River Reach)
Beaver River	Beaver Crossing to the Border	1
North Saskatchewan River	Lea Park to Lloydminster Ferry	2
Red Deer River A/S	Bindloss to the Confluence with the South Saskatchewan River	3
South Saskatchewan River	Highway #41 to Confluence with Red Deer River	4
Battle River	Blackfoot Creek to Unwin	5
Churchill River	Islands Falls to Pukatawagan Lake	6
Saskatchewan River	Outlet of Cumberland Lake to Mouth of Carrot River	7
Carrot River	Turnberry to Mouth of Carrot River	8
Red Deer River S/M	Etomami River to Red Deer Lake	9
Assiniboine River	Whitesand River to Outlet of Shellmouth Reservoir	10
Qu'Appelle River	Kaposvar Creek to Assiniboine River	11
Cold River	Outlet of Cold Lake	12

Table 1

	LITY OBJECTIVES – Updat		
	Reach: Beaver Crossing to		
Chemical, Physical or Biological Variable	Unit	Acceptable Li	
Nutrients	T	Open	Closed
Total Phosphorus	mg/L	0.171	0.127
Total Dissolved Phosphorus	mg/L	0.043 0.060	0.042 0.060
Total Nitrogen	mg/L	1.140	1.862
Nitrate as N	mg/L		3
Ammonia Un-ionized	mg/L	0.0	019 ^a
Major lons			
Total Dissolved Solids	mg/L	5	000
Sulphate Dissolved	mg/L		50
Sodium Dissolved	mg/L		100
Fluoride Dissolved	mg/L	0	.19
Chloride Dissolved	mg/L		00
Physicals and Other	1 3		
pH Lab	pH units	6.5	5-9.0
pH Field	pH units		5-9.0
Oxygen Dissolved	priding	0.0	7 0.0
Temperature > 5°C (Open Season)	mg/L		5
Temperature < 5°C (Closed Season)	mg/L	No O	ojective
Sodium Adsorption Ratio	rel units	110 0	3
Total Suspended Solids	mg/L	3.0	-48.8
Reactive Chlorine Species	mg/L		0005
Cyanide (free)	mg/L		005
E. Coli	No./100 mL	2	200
Coliforms Fecal	No./100 mL		00
Metals	110.7100 1112		00
Arsenic Total	μg/L		5
Arsenic Dissolved	μg/L		ojective
Barium Total	μg/L		000
Beryllium Total	μg/L		00
Boron Total	μg/L		00
Cadmium Total	μg/L		ulated ^b
Chromium Total	μg/L		50
Cobalt Total	μg/L		50
Copper Total	μg/L		ulated ^b
Iron Dissolved	μg/L		00
Lead Total	μg/L		ulated ^b
Lithium Total	μg/L		500
Manganese Dissolved	μg/L	40.0	2270.0
Mercury Total	μg/L		026
Molybdenum Total	μg/L		10
Nickel Dissolved	μg/L		ulated ^b
Selenium Total	μg/L		1
Silver Total	μg/L		<u>.</u> .25
Thallium Total	μg/L μg/L		. <u>.25</u>).8
Uranium Total	μg/L μg/L		10
Vanadium Total	μg/L μg/L		00
Zinc Dissolved	μg/L	Calc	ulated ^b

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water		
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	µg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	µg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detections
Fish Tissue		
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	μg/kg	500
DDT (total) in fish (muscle tissue)	μg/kg	5000
Aquatic Biota Consumption	· · · - ·	
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	μg/kg diet wet weight	6.3
Radioactive		
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
Ag-Livestock
Ag-Irrigation
Recreation
Treatability
Ag-Irrigation + Treatability
Ag- Irrigation and Livestock
Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 2

	LITY OBJECTIVES – Updat		
	Reach: Lea Park to Lloydi		
Chemical, Physical or Biological Variable	Unit	Acceptable Li	
Nutrients		Open	Closed
Total Phosphorus	mg/L	0.253	0.063
	3	0.278	0.115
Total Dissolved Phosphorus	mg/L	0.026	0.048
'	<u> </u>	0.046	0.101
Total Nitrogen	mg/L	1.169	1.175
Nitrate as N	mg/L	1.230	1.225 3
Ammonia Un-ionized	mg/L	0	<u>3</u> 019ª
Major Ions	IIIg/L	0.	J13
Total Dissolved Solids	mg/L	F	500
Sulphate Dissolved	mg/L		250
Sodium Dissolved	mg/L		200
Fluoride Dissolved	mg/L		.18
Chloride Dissolved	mg/L		00
Physicals and Other	IIIg/L		00
pH Lab	pH units	6.1	5-9.0
pH Field	pH units		5-9.0 5-9.0
Oxygen Dissolved	pri units	0.0	5-9.0
			F
Temperature > 5°C (Open Season)	mg/L		5
Temperature < 5°C (Closed Season)	mg/L		3
Sodium Adsorption Ratio	rel units	5.0	<u> </u>
Total Suspended Solids	mg/L		295.8
Reactive Chlorine Species	mg/L		0005
Cyanide (free)	mg/L	0.	005
E. Coli	No./100 mL	2	200
Coliforms Fecal	No./100 mL		00
Metals	•		
Arsenic Total	μg/L		5
Arsenic Dissolved	µg/L	No O	bjective
Barium Total	μg/L		000
Beryllium Total	μg/L	1	00
Boron Total	μg/L	Ę	500
Cadmium Total	μg/L	Calc	ulated ^b
Chromium Total	μg/L		50
Cobalt Total	μg/L		50
Copper Total	μg/L	Calc	ulated ^b
Iron Dissolved	μg/L		800
Lead Total	μg/L	Calc	ulated ^b
Lithium Total	μg/L		500
Manganese Dissolved	μg/L		50
Mercury Total	μg/L		026
Molybdenum Total	μg/L		10
Nickel Dissolved	μg/L	Calc	ulated ^b
Selenium Total	μg/L		1
Silver Total	μg/L	0	.25
Thallium Total	μg/L		0.8
Uranium Total	μg/L		10
Vanadium Total	μg/L		00
Zinc Dissolved	μg/L		ulated ^b

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water	11.3	-
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detections
Fish Tissue		·
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	μg/kg	500
DDT (total) in fish (muscle tissue)	μg/kg	5000
Aquatic Biota Consumption		
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	μg/kg diet wet weight	6.3
Radioactive		
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
Ag-Livestock
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Ag-Irrigation + Treatability
Ag- Irrigation and Livestock
Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 3

	TY OBJECTIVES – Upda			
Red Deer River A/S Reach:				
Chemical, Physical or Biological Variable	Unit	Acceptable Li		
Nutrients		Open	Closed	
Total Phosphorus	mg/L	0.315	0.035	
Total i nosphoras	mg/ L	0.563	0.069	
Total Dissolved Phosphorus	mg/L	0.023	0.008	
·		0.035	0.024	
Total Nitrogen	mg/L	2.320	0.860	
Nitrate as N	mg/L		3	
Ammonia Un-ionized	mg/L	0.0	019 ^a	
Major Ions				
Total Dissolved Solids	mg/L		500	
Sulphate Dissolved	mg/L		250	
Sodium Dissolved	mg/L		200	
Fluoride Dissolved	mg/L		0.2	
Chloride Dissolved	mg/L		00	
Physicals and Other				
pH Lab	pH units		5-9.0	
pH Field	pH units	6.5	5-9.0	
Oxygen Dissolved				
Temperature > 5°C (Open Season)	mg/L		5	
Temperature < 5°C (Closed Season)	mg/L		3	
Sodium Adsorption Ratio	rel units		3	
Total Suspended Solids	mg/L		30.0-832.6	
Reactive Chlorine Species	mg/L		0.0005	
Cyanide (free)	mg/L	0.	005	
E. Coli	No./100 mL		200	
Coliforms Fecal	No./100 mL	1	00	
Metals				
Arsenic Total	μg/L		5	
Arsenic Dissolved	μg/L		bjective	
Barium Total	μg/L		000	
Beryllium Total	μg/L		00	
Boron Total	μg/L		500	
Cadmium Total	μg/L	Calc	ulated ^b	
Chromium Total	μg/L		50	
Cobalt Total	μg/L		50	
Copper Total	μg/L		ulated ^b	
Iron Dissolved	μg/L		800	
Lead Total	μg/L	Calc	ulated ^b	
Lithium Total	μg/L		500	
Manganese Dissolved	μg/L		50	
Mercury Total	μg/L		026	
Molybdenum Total	μg/L		10	
Nickel Dissolved	μg/L	Calc	ulated ^b	
Selenium Total	μg/L		1	
Silver Total	µg/L	0	.25	
Thallium Total	μg/L		0.8	
Uranium Total	μg/L		10	
Vanadium Total	μg/L		00	
Zinc Dissolved	μg/L		culated ^b	

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water		
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detections
Fish Tissue		•
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	μg/kg	500
DDT (total) in fish (muscle tissue)	μg/kg	5000
Aquatic Biota Consumption		
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	μg/kg diet wet weight	6.3
Radioactive		
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
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Treatability
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Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 4

	LITY OBJECTIVES – Updat			
	Highway #41 to Confluenc			
Chemical, Physical or Biological Variable Unit			Acceptable Limit or Limits	
Nutrients		Open	Closed	
Total Phosphorus	mg/L	0.159	0.054	
Total Thoophords	1119/2	0.246	0.110	
Total Dissolved Phosphorus	mg/L	0.014	0.010	
Total Biocolvou i Hoophorus	1119/2	0.018	0.067	
Total Nitrogen	mg/L	1.073	1.638	
		1.114	1.771	
Nitrate as N	mg/L		3	
Ammonia Un-ionized	mg/L	0.	019 ^a	
Major Ions			-00	
Total Dissolved Solids	mg/L		500	
Sulphate Dissolved	mg/L		250	
Sodium Dissolved	mg/L		200	
Fluoride Dissolved	mg/L		.19	
Chloride Dissolved	mg/L		00	
Physicals and Other				
pH Lab	pH units		5-9.0	
pH Field	pH units	6.9	5-9.0	
Oxygen Dissolved				
Temperature > 5°C (Open Season)	mg/L		5	
Temperature < 5°C (Closed Season)	mg/L		3	
Sodium Adsorption Ratio	rel units		3	
Total Suspended Solids	mg/L		339.8	
Reactive Chlorine Species	mg/L	0.0	0005	
Cyanide (free)	mg/L	0.	005	
E. Coli	No./100 mL		200	
Coliforms Fecal	No./100 mL		00	
Metals	140.7 100 IIIL		100	
Arsenic Total	μg/L		5	
Arsenic Dissolved	μg/L	No O	bjective	
Barium Total	μg/L		000	
Beryllium Total	μg/L		00	
Boron Total	μg/L		500	
Cadmium Total	μg/L		ulated ^b	
Chromium Total	μg/L		50	
Cobalt Total	μg/L		50 50	
Copper Total	μg/L		ulated ^b	
Iron Dissolved	μg/L		B00	
Lead Total	μg/L		ulated ^b	
Lithium Total	μg/L μg/L		<u>ulateus</u> 500	
Manganese Dissolved	μg/L μg/L		500 50	
Mercury Total	μg/L μg/L		026	
Molybdenum Total	μg/L μg/L		10	
Nickel Dissolved			ulated ^b	
Selenium Total	μg/L μg/L		uiateus 1	
Silver Total	μg/L μg/L).25	
Thallium Total	μg/L		0.8	
Uranium Total	μg/L		10	
Vanadium Total	μg/L		00	
Zinc dissolved	μg/L	Calc	ulated ^b	

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water		
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detections
Fish Tissue		•
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	μg/kg	500
DDT (total) in fish (muscle tissue)	μg/kg	5000
Aquatic Biota Consumption		
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	μg/kg diet wet weight	6.3
Radioactive		
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
Ag-Livestock
Ag-Irrigation
Recreation
Treatability
Ag-Irrigation + Treatability
Ag- Irrigation and Livestock
Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 5

	LITY OBJECTIVES – Updat		
	Reach: Blackfoot Creek to		
Chemical, Physical or Biological Variable	Unit	Acceptable Li	
Nutrients		Open	Closed
Total Phosphorus	mg/L	0.267 0.335	0.075 0.100
Total Dissolved Phosphorus	mg/L	0.051	0.045
Total Nitrogen	mg/L	2.260	1.550
Nitrate as N	mg/L	2.200	3
Ammonia Un-ionized	mg/L	0	019 ^a
Major Ions	I IIIg/L	0.	010
Total Dissolved Solids	mg/L	5	372
Sulphate Dissolved	mg/L		250
Sodium Dissolved	mg/L		200
Fluoride Dissolved	mg/L		0.31
Chloride Dissolved	mg/L		100
Physicals and Other	IIIg/L		100
pH Lab	pH units	6.	5-9.0
pH Field	pH units		5-9.0
Oxygen Dissolved	priums	0.0	J-3.0
Temperature > 5°C (Open Season)	mg/L		5
Temperature < 5°C (Closed Season)	mg/L	No O	bjective
Sodium Adsorption Ratio	rel units		bjective
Total Suspended Solids	mg/L		· 320.0
Reactive Chlorine Species	mg/L		0005
Cyanide (free)	mg/L		.005
Biota	IIIg/L	U.	.003
E. Coli	No./100 mL		200
Coliforms Fecal	No./100 mL		100
Metals	140.7100 1112		
Arsenic Total	μg/L		5
Arsenic Dissolved	μg/L	No O	bjective
Barium Total	μg/L		000
Beryllium Total	μg/L		100
Boron Total	μg/L		500
Cadmium Total	μg/L		ulated ^b
Chromium Total	μg/L		50
Cobalt Total	μg/L		50
Copper Total	μg/L		ulated ^b
Iron Dissolved	μg/L		300
Lead Total	μg/L		ulated ^b
Lithium Total	μg/L		500
Manganese Dissolved	μg/L	27.0	1257.0
Mercury Total	μg/L		.026
Molybdenum Total	μg/L		10
Nickel Dissolved	μg/L		ulated ^b
Selenium Total	μg/L		1
Silver Total	μg/L		0.25
Thallium Total	μg/L		0.8
Uranium Total	μg/L		10
Vanadium Total	μg/L		100
Zinc Dissolved	μg/L		ulated ^b
TITIO DISSUIVEU	μg/∟	Calc	uiateu

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water		
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detections
Fish Tissue		•
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	μg/kg	500
DDT (total) in fish (muscle tissue)	μg/kg	5000
Aquatic Biota Consumption		
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	μg/kg diet wet weight	6.3
Radioactive		
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
Ag-Livestock
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Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 6

WATER QUAL	ITY OBJECTIVES – Upda	ated 2021		
	ach: Island Falls to Puka			
Chemical, Physical or Biological Variable	Unit	Acceptable Lir		
Nutrients		Open	Closed	
Total Phosphorus	mg/L	0.025	0.021	
Total Dissolved Phosphorus	mg/L	0.010	0.010	
Total Nitrogen	mg/L	0.484	0.411	
Nitrate as N	mg/L		3	
Ammonia Un-ionized	mg/L	0.0)19 ^a	
Major lons				
Total Dissolved Solids	mg/L	5	00	
Sulphate Dissolved	mg/L	2	50	
Sodium Dissolved	mg/L	2	00	
Fluoride Dissolved	mg/L	0.	.12	
Chloride Dissolved	mg/L	1	00	
Physicals and Other	· · · · · · · · · · · · · · · · · · ·			
pH Lab	pH units	6.5	-9.0	
pH Field	pH units		-9.0	
Oxygen Dissolved	1			
Temperature > 5°C (Open Season)	mg/L		5	
Temperature < 5°C (Closed Season)	mg/L		3	
Sodium Adsorption Ratio	rel units		3	
Total Suspended Solids	mg/L		-6.2	
Reactive Chlorine Species	mg/L		005	
Cyanide (free)	mg/L		005	
Biota	IIIg/L	0.0	300	
E. Coli	No./100 mL	2	00	
Coliforms Fecal	No./100 mL		00	
Metals	140.71001112		00	
Arsenic Total	μg/L		5	
Arsenic Dissolved	μg/L		ojective	
Barium Total	μg/L		000	
Beryllium Total	μg/L		00	
Boron Total	μg/L		00	
Cadmium Total	μg/L		ulated ^b	
Chromium Total	μg/L μg/L		50	
Cobalt Total			50	
	μg/L			
Copper Total	μg/L		ulated ^b	
Iron Dissolved	μg/L		00	
Lead Total	μg/L		ulated ^b	
Lithium Total	μg/L		500	
Manganese Dissolved	μg/L		50	
Mercury Total	µg/L		026	
Molybdenum Total	μg/L		10	
Nickel Dissolved	μg/L		ulated ^b	
Selenium Total	μg/L		1	
Silver Total	μg/L		25	
Thallium Total	μg/L		.8	
Uranium Total	μg/L		10	
Vanadium Total	μg/L		00	
Zinc Dissolved	μg/L	Calcu	Calculated ^b	

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water	11:3:	-
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water	, , ,	
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detecetions
Fish Tissue		
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	μg/kg	500
DDT (total) in fish (muscle tissue)	μg/kg	5000
Aquatic Biota Consumption		
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	μg/kg diet wet weight	6.3
Radioactive		
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
Ag-Livestock
Ag-Irrigation
Recreation
Treatability
Ag-Irrigation + Treatability
Ag- Irrigation and Livestock
Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 7

WATER QUALIT	TY OBJECTIVES – Updated	d 2021	
Saskatchewan River Reach: Out			r
Chemical, Physical or Biological Variable	Unit	Acceptable Li	
Nutrients	1 -	Open	Closed
		0.088	0.028
Total Phosphorus	mg/L	0.124	0.034
Total Dissolved Phosphorus	mg/L	0.014 0.018	0.011 0.017
Total Nitrogen	mg/L	0.838	0.761
Nitrate as N	mg/L		3
Ammonia Un-ionized	mg/L)19 ^a
Major lons	mg/L	0.0	713
Total Dissolved Solids	mg/L	5	000
Sulphate Dissolved	mg/L		50
Sodium Dissolved	mg/L		00
Fluoride Dissolved	mg/L		.18
Chloride Dissolved	mg/L		00
Physicals and Other	i iiig/ L		00
pH Lab	pH units	6.5	5-9.0
pH Field	pH units		5-9.0 5-9.0
Oxygen Dissolved	pri units	0.0	J-9.0
Temperature > 5°C (Open Season)	mg/L		E
Temperature < 5°C (Closed Season)	mg/L		5
	rel units		3
Sodium Adsorption Ratio			- 125.0
Total Suspended Solids	mg/L		- 125.0 0005
Reactive Chlorine Species	mg/L		
Cyanide (free)	mg/L	0.	005
E. Coli	No./100 mL	2	.00
Coliforms Fecal	No./100 mL		00
Metals	NO.7100 IIIL		00
Arsenic Total	μg/L		5
Arsenic Dissolved	μg/L	No O	ojective
Barium Total	μg/L		000
Beryllium Total	μg/L		00
Boron Total	μg/L		00
Cadmium Total	μg/L		ulated ^b
Chromium Total	μg/L		50
Cobalt Total	μg/L		50
Copper Total			ulated ^b
Iron Dissolved	μg/L μg/L		600
Lead Total	μg/L		ulated ^b
Lithium Total	μg/L		500
Manganese Dissolved			500 50
Mercury Total	μg/L μg/L		026
Molybdenum Total	μg/L		10
Nickel Dissolved			ulated ^b
	μg/L		ulated ^s 1
Selenium Total	μg/L		
Silver Total	μg/L		.25
Thallium Total	μg/L).8 10
Uranium Total	μg/L		
Vanadium Total	μg/L		00
Zinc Dissolved	μg/L	Calac	ulated ^b

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water		
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detections
Fish Tissue		•
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	µg/kg	500
DDT (total) in fish (muscle tissue)	µg/kg	5000
Aquatic Biota Consumption		
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	µg/kg diet wet weight	6.3
Radioactive	<u> </u>	
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
Ag-Livestock
Ag-Irrigation
Recreation
Treatability
Ag-Irrigation + Treatability
Ag- Irrigation and Livestock
Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 8

WATER QUA	LITY OBJECTIVES - Updat	ed 2021		
Carrot River Rea Chemical, Physical or Biological Variable	ch: Turnberry to Mouth of (Carrot River Acceptable Lir	nit or Limito	
Nutrients	Unit	Open	Closed	
		0.099	0.170	
Total Phosphorus	mg/L	0.140	0.266	
		0.027	0.031	
Total Dissolved Phosphorus	mg/L	0.057	0.059	
		1.087	1.814	
Total Nitrogen	mg/L	1.417	2.052	
Nitrate as N	mg/L		3	
Ammonia Un-ionized	mg/L	0.0)19 ^a	
Major lons				
Total Dissolved Solids	mg/L	742	1672	
Sulphate Dissolved	mg/L	2	50	
Sodium Dissolved	mg/L	164	442	
Fluoride Dissolved	mg/L	0.2	0.29	
Chloride Dissolved	mg/L	267	728	
Physicals and Other				
pH Lab	pH units	6.5	-9.0	
pH Field	pH units	6.5	-9.0	
Oxygen Dissolved				
Temperature > 5°C (Open Season)	mg/L		5	
Temperature < 5°C (Closed Season)	mg/L	No Ot	ojective	
Sodium Adsorption Ratio	rel units		jective	
Total Suspended Solids	mg/L	6.08 -98.2		
Reactive Chlorine Species	mg/L	0.0005		
Cyanide (free)	mg/L	0.005		
E. Coli	No./100 mL	200		
Coliforms Fecal	No./100 mL	100		
Metals	•			
Arsenic Total	μg/L	No Ob	ojective	
Arsenic Dissolved	μg/L		50	
Barium Total	μg/L	1(000	
Beryllium Total	μg/L	1	00	
Boron Total	μg/L	5	00	
Cadmium Total	μg/L		ulated ^b	
Chromium Total	μg/L		50	
Cobalt Total	μg/L	ŧ	50	
Copper Total	μg/L		ulated ^b	
Iron Dissolved	μg/L	237.2		
Lead Total	μg/L		ulated ^b	
Lithium Total	μg/L		500	
Manganese Dissolved	μg/L	271.8	2014.0	
Mercury Total	μg/L		026	
Molybdenum Total	μg/L		10	
Nickel Dissolved	μg/L		ulated ^b	
Selenium Total	μg/L		1	
Silver Total	μg/L		25	
Thallium Total	μg/L		.8	
Uranium Total	μg/L		10	
Vanadium Total	μg/L		00	
Zinc Dissolved	μg/L		ulated ^b	

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water		
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detections
Fish Tissue		•
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	μg/kg	500
DDT (total) in fish (muscle tissue)	μg/kg	5000
Aquatic Biota Consumption		
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	μg/kg diet wet weight	6.3
Radioactive		
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
Ag-Livestock
Ag-Irrigation
Recreation
Treatability
Ag-Irrigation + Treatability
Ag- Irrigation and Livestock
Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 9

WATER QUAL	ITY OBJECTIVES – Upda	ted 2021		
Red Deer River S/M Reach: Etomami River to Red Deer Lake				
Chemical, Physical or Biological Variable	Unit	Acceptable Li	mit or Limits	
Nutrients		Open	Closed	
T (I D)		0.052	0.074	
Total Phosphorus	mg/L	0.066	0.161	
Total Dissalved Phaenharus		0.021	0.025	
Total Dissolved Phosphorus	mg/L	0.029	0.055	
Total Nitrogen	mg/L	1.195	1.998	
Nitrate as N	mg/L		3	
Ammonia Un-ionized	mg/L	0.0)19 ^a	
Major lons				
Total Dissolved Solids	mg/L		00	
Sulphate Dissolved	mg/L		50	
Sodium Dissolved	mg/L	2	00	
Fluoride Dissolved	mg/L	0	.18	
Chloride Dissolved	mg/L	1	00	
Physicals and Other				
pH Lab	pH units	6.5	5-9.0	
pH Field	pH units	6.5	5-9.0	
Oxygen Dissolved	•			
Temperature > 5°C (Open Season)	mg/L		5	
Temperature < 5°C (Closed Season)	mg/L		3	
Sodium Adsorption Ratio	rel units		3	
Total Suspended Solids	mg/L		- 19.7	
Reactive Chlorine Species	mg/L		0005	
Cyanide (free)	mg/L		005	
E. Coli	No./100 mL	2	200	
Coliforms Fecal	No./100 mL		00	
Metals	1103/100 1112			
Arsenic Total	μg/L		5	
Arsenic Dissolved	μg/L		ojective	
Barium Total	μg/L		000	
Beryllium Total	μg/L		00	
Boron Total	μg/L		00	
Cadmium Total	μg/L		ulated ^b	
Chromium Total	μg/L		50	
Cobalt Total	μg/L		50	
Copper Total	μg/L		ulated ^b	
Iron Dissolved	μg/L		00	
Lead Total	μg/L		ulated ^b	
Lithium Total	μg/L		500	
Manganese Dissolved	μg/L		50	
Mercury Total	μg/L		026	
Molybdenum Total	μg/L		10	
Nickel Dissolved	μg/L		ulated ^b	
Selenium Total	μg/L		1	
Silver Total	μg/L		.25	
Thallium Total	μg/L).8	
Uranium Total	μg/L μg/L		10	
Vanadium Total			00	
Zinc Dissolved	μg/L			
ZIIIC DISSUIVEU	μg/L	Calculated ^b		

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water	,,,,	
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other	,,,,	
Glyphosate	μg/L	Report Detections
Fish Tissue		•
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	μg/kg	500
DDT (total) in fish (muscle tissue)	μg/kg	5000
Aquatic Biota Consumption		
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	μg/kg diet wet weight	6.3
Radioactive	-	
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
Ag-Livestock
Ag-Irrigation
Recreation
Treatability
Ag-Irrigation + Treatability
Ag- Irrigation and Livestock
Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 10

	ITY OBJECTIVES – Upda		
Assiniboine River Reach: Wh			
Chemical, Physical or Biological Variable Unit Acceptable Limit or Limit			
Nutrients		Open	Closed
Total Phosphorus	mg/L	0.311	0.180
Total Dissolved Phosphorus	mg/L	0.186	0.115
Total Nitrogen	mg/L	1.801	2.252
Nitrate as N	mg/L	3	
Ammonia Un-ionized	mg/L	0.019	a
Major Ions			
Total Dissolved Solids	mg/L	834	
Sulphate Dissolved	mg/L	299	
Sodium Dissolved	mg/L	200	
Fluoride Dissolved	mg/L	0.26	
Chloride Dissolved	mg/L	100	
Physicals and Other	· •		
pH Lab	pH units	6.5-9.	0
pH Field	pH units	6.5-9	
Oxygen Dissolved			
Temperature > 5°C (Open Season)	mg/L	5	
Temperature < 5°C (Closed Season)	mg/L	3	
Sodium Adsorption Ratio	rel units	3	
Total Suspended Solids	mg/L	5.0-69	2
Reactive Chlorine Species	mg/L	0.000	
Cyanide (free)	mg/L	0.003	
Biota	mg/L	0.000	<u>, </u>
E. Coli	No./100 mL	200	
Coliforms Fecal	No./100 mL	100	
Metals	140.7100 IIIL	100	
Arsenic Total	μg/L	5	
Arsenic Total Arsenic Dissolved	μg/L	No Obje	ctive
Barium Total	μg/L	1000 1000	
Beryllium Total		1000	
Boron Total	μg/L	500	
	μg/L		
Cadmium Total	μg/L	Calcula	rea ^s
Chromium Total	μg/L	50	
Cobalt Total	μg/L	50	. th
Copper Total	μg/L	Calcula	
Iron Dissolved	μg/L	300	
Lead Total	μg/L	Calcula	
Lithium Total	μg/L	2500	
Manganese Dissolved	μg/L	224.8	329.0
Mercury Total	μg/L	0.020	<u> </u>
Molybdenum Total	μg/L	10	
Nickel Dissolved	μg/L	Calcula	ted ^b
Selenium Total	μg/L	1	
Silver Total	μg/L	0.25	
Thallium Total	μg/L	0.8	
Uranium Total	μg/L	10	
Vanadium Total	μg/L	100	
Zinc Dissolvedl	μg/L	Calcula	ted ^b

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water		
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detections
Fish Tissue		•
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	μg/kg	500
DDT (total) in fish (muscle tissue)	μg/kg	5000
Aquatic Biota Consumption		
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	μg/kg diet wet weight	6.3
Radioactive		
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
Ag-Livestock
Ag-Irrigation
Recreation
Treatability
Ag-Irrigation + Treatability
Ag- Irrigation and Livestock
Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 11

WATER QUALITY OBJECTIVES – Updated 2021			
Qu'Appelle River Rea	nch: Kaposvar Creek to As		
Chemical, Physical or Biological Variable Unit		Acceptable Li	
Nutrients		Open	Closed
Total Phosphorus	mg/L	0.278	0.221
Total Thoophords	1119/ =	0.304	0.290
Total Dissolved Phosphorus	mg/L	0.156 0.190	0.129 0.249
Total Nitrogen	mg/L	1.822	1.767
Nitrate as N	mg/L	11022	3
Ammonia Un-ionized	mg/L	0	019ª
Major Ions	l mg/L	0.	010
Total Dissolved Solids	mg/L	1	144
Sulphate Dissolved	mg/L		l86
Sodium Dissolved	mg/L		200
Fluoride Dissolved	mg/L		.25
Chloride Dissolved	mg/L		00
Physicals and Other	l ma/r		
pH Lab	pH units	6.1	5-9.0
pH Field	pH units		5-9.0
Oxygen Dissolved	priums	0.0	J-3.0
Temperature > 5°C (Open Season)	mg/L		5
Temperature < 5°C (Closed Season)	mg/L		3
Sodium Adsorption Ratio	rel units	No O	bjective
Total Suspended Solids	mg/L		-122.2
Reactive Chlorine Species			0005
Cyanide (free)	mg/L		005
Cyanide (nee)	mg/L	U.	003
E. Coli	No./100 mL		200
Coliforms Fecal	No./100 mL		00
Metals	140.7 100 IIIE		
Arsenic Total	μg/L	No O	bjective
Arsenic Dissolved	μg/L		50
Barium Total	μg/L		000
Beryllium Total	μg/L		00
Boron Total	μg/L		500
Cadmium Total	μg/L		ulated ^b
Chromium Total	μg/L		50
Cobalt Total	μg/L		50
Copper Total	μg/L		ulated ^b
Iron Dissolved			300
Lead Total	μg/L		ulated ^b
	μg/L μg/L		ulated ^s 500
Lithium Total Manganese Dissolved	μg/L μg/L	93.8	116.8
Mercury Total			026
Molybdenum Total	μg/L		10
Nickel Dissolved	μg/L		ulated ^b
Selenium Total	μg/L		uiateu ^s 1
Silver Total	μg/L		1.25
	μg/L		
Thallium Total	μg/L		0.8
Uranium Total	μg/L		10
Vanadium Total	μg/L		00
Zinc Dissolved	μg/L	Calad	culated ^b

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water		
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detections
Fish Tissue		•
Mercury in fish (muscle tissue)	μg/kg	200
Arsenic in fish (muscle tissue)	μg/kg	3500
Lead in fish (muscle tissue)	μg/kg	500
DDT (total) in fish (muscle tissue)	μg/kg	5000
Aquatic Biota Consumption		
PCB in fish (muscle tissue) mammalian	μg TEQ/kg diet wet weight	0.00079
PCB in fish (muscle tissue) avian	μg TEQ/kg diet wet weight	0.0024
DDT (total) in fish (muscle tissue)	μg/kg diet wet weight	14
Toxaphene in fish (muscle tissue)	μg/kg diet wet weight	6.3
Radioactive		
Cesium-137	Bq/L	10
lodine-131	Bq/L	6
Lead-210	Bq/L	0.2
Radium-226	Bq/L	0.5
Strontium-90	Bq/L	5
Tritium	Bq/L	7000

Protection of Aquatic Life
Ag-Livestock
Ag-Irrigation
Recreation
Treatability
Ag-Irrigation + Treatability
Ag- Irrigation and Livestock
Fish Consumption
Background

a. Ammonia objective: Expressed as mg unionized ammonia/L. This would be equivalent to 0.0156 mg ammonia-nitrogen/L (0.019*14.0067/17.031).

Table 12

	LITY OBJECTIVES - Update		
	ver Reach: Outlet of Cold La		
Chemical, Physical or Biological Variable Unit		Acceptable Li	
Nutrients	1 0	Open	Closed
Total Phosphorus	mg/L	0.023	0.024
Total Dissolved Phosphorus	mg/L	0.010	0.017
Total Nitrogen	mg/L	0.453 0.460	0.452 0.467
Nitrate as N	mg/L		3
Ammonia Un-ionized	mg/L	0.0	019 ^a
Major lons			
Total Dissolved Solids	mg/L	5	500
Sulphate Dissolved	mg/L	2	250
Sodium Dissolved	mg/L	2	200
Fluoride Dissolved	mg/L	0	.12
Chloride Dissolved	mg/L	1	00
Physicals and Other	, ,	'	
pH Lab	pH units	6.5	5-9.0
pH Field	pH units		5-9.0
Oxygen Dissolved			
Temperature > 5°C (Open Season)	mg/L		5
Temperature < 5°C (Closed Season)	mg/L		3
Sodium Adsorption Ratio	rel units		3
Total Suspended Solids	mg/L	1.3	2-4.8
Reactive Chlorine Species	mg/L		0005
Cyanide (free)	mg/L		005
E. Coli	No./100 mL		200
Coliforms Fecal	No./100 mL		00
Metals	NO./ 100 ML		00
Arsenic Total	/!		5
	μg/L		
Arsenic Dissolved	μg/L		bjective
Barium Total	μg/L		000
Beryllium Total	μg/L		00
Boron Total	μg/L		500
Cadmium Total	μg/L		ulated ^b
Chromium Total	μg/L		50
Cobalt Total	μg/L		50
Copper Total	μg/L		ulated ^b
Iron Dissolved	μg/L		800
Lead Total	μg/L		ulated ^b
Lithium Total	μg/L		500
Manganese Dissolved	μg/L		50
Mercury Total	μg/L		026
Molybdenum Total	μg/L		10
Nickel Dissolved	μg/L		ulated ^b
Selenium Total	μg/L		1
Silver Total	μg/L		.25
Thallium Total	μg/L		0.8
Uranium Total	μg/L		10
Vanadium Total	μg/L		00
Zinc Dissolved	μg/L	Calc	ulated ^b

Pesticides		
Acid Herbicides		
2,4-D	μg/L	4
Bromoxynil	μg/L	0.33
Dicamba	μg/L	0.006
MCPA	μg/L	0.025
Picloram	μg/L	29
Organochlorine Pesticides in Water	11.3	-
Endosulfan	μg/L	0.003
Hexachlorocyclohexane (gamma-HCH) (Lindane)	μg/L	0.01
Hexachlorobenzene	μg/L	0.52
Pentachlorophenol (PCP)	μg/L	0.5
Neutral Herbicides in Water		
Atrazine	μg/L	1.8
Diclofopmethyl (Hoegrass)	μg/L	0.18
Metolachlor	μg/L	7.8
Metribuzin	μg/L	0.5
Simazine	μg/L	0.5
Triallate	μg/L	0.24
Trifluralin	μg/L	0.2
Other		
Glyphosate	μg/L	Report Detections
AMPA	μg/L	Report Detections
Fish Tissue		·
Mercury in fish (muscle tissue)	μg/kg	200
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