

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD001 (3E pit dewatering outfall B100)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Copper, Total (as Cu)	ug/L	CalMoMax				NoDis			NoDis			NoDis			
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ug/L	CalMoAvg			NoDis						NoDis				
Mercury, Total (as Hg)	ug/L	CalMoMax			NoDis						NoDis				
Nickel, Total (as Ni)	ug/L	CalMoMax				NoDis			NoDis			NoDis			
Nickel, Total (as Ni)	ug/L	CalMoMax				NoDis			NoDis			NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
pH	8.5 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.5 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Temperature, Water (C)	Deg C	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Temperature, Water (C)	Deg C	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Turbidity	NTU	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Turbidity	NTU	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD002 (0S pit dewatering outfall B101)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Copper, Total (as Cu)	ug/L	CalMoMax				<5.0			<5.0			<5.0			
Flow	MG	CalMoTot	14.0	0.0972	0.13	24.3	141.9	16.6	118.1	119.9	76.5	132.3	20.8	40.3	58.744
Flow	mgd	CalMoMax	2.6	5.2	2.6	5.2	5.2	5.2	5.2	5.5	5.5	5.2	5.5	5.5	4.867
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.050	<0.050		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	<0.050	<0.050		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
Mercury, Total (as Hg)	ug/L	CalMoAvg									0.00056				0.001
Mercury, Total (as Hg)	ug/L	CalMoMax									0.00056				0.001
Nickel, Total (as Ni)	ug/L	CalMoMax				<5.0			7.1			<5.0			7.1
Nickel, Total (as Ni)	ug/L	CalMoMax				<5.0			7.1			<5.0			7.1

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD002 (0S pit dewatering outfall B101)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg				<0.050	0.03	0.065	<0.050	0.113	0.035	<0.050			0.061
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax				<0.050	0.077	0.13	<0.050	0.13	0.070	<0.050			0.102
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg				<0.0005	0.0006	0.004	<0.003	0.007	0.0025	0.002			0.003
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax				<0.0005	0.0015	0.004	<0.004	0.009	0.005	0.002			0.004
pH	8.5 SU	InstantMax	8.3	8.1		8.0	8.3	8.2	8.4	8.4	8.5	8.3	8.4	8.4	8.3
pH	6.5 SU	InstantMin	8.3	8.1		7.9	8.0	8.2	8.3	8.2	8.5	8.2	8.3	8.2	8.2
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		<1.0		1.2		<1.0		<1.0		1.2		1.2	1.2
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		<1.0		1.2		<1.0		<1.0		1.2		1.2	1.2
Sulfate, Total (as SO4)	mg/L	CalMoMax	134	183		99.6	48.1	64.2	61.6	90.3	138	137	136	131	111.164
Temperature, Water (C)	Deg C	CalMoAvg				2.6	5.2	10.7	17.3	16.3	15.5	10.9			11.214
Temperature, Water (C)	Deg C	CalMoMax				3.0	8.3	10.7	20.2	16.7	15.5	12.4			12.4
Turbidity	NTU	CalMoAvg	0.8	0.8		2.3	2.8	1.2	4.7	1.1	0.9	0.5	0.4	0.4	1.445
Turbidity	NTU	CalMoMax	0.8	0.8		3.0	3.6	1.2	5.5	1.4	0.9	0.5	0.5	0.5	1.7

Surface Discharge Station SD003 (3S pit dewatering outfall B102)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Copper, Total (as Cu)	ug/L	CalMoMax				NoDis			NoDis			NoDis			
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ug/L	CalMoAvg			NoDis						NoDis				
Mercury, Total (as Hg)	ug/L	CalMoMax			NoDis						NoDis				
Nickel, Total (as Ni)	ug/L	CalMoMax				NoDis			NoDis			NoDis			
Nickel, Total (as Ni)	ug/L	CalMoMax				NoDis			NoDis			NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
pH	8.5 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.5 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD003 (3S pit dewatering outfall B102)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Temperature, Water (C)	Deg C	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Temperature, Water (C)	Deg C	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Turbidity	NTU	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Turbidity	NTU	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD004 (126S pit dewatering outfall B104)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Copper, Total (as Cu)	ug/L	CalMoMax				NoDis			NoDis			NoDis			
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ug/L	CalMoAvg			NoDis						NoDis				
Mercury, Total (as Hg)	ug/L	CalMoMax			NoDis						NoDis				
Nickel, Total (as Ni)	ug/L	CalMoMax				NoDis			NoDis			NoDis			
Nickel, Total (as Ni)	ug/L	CalMoMax				NoDis			NoDis			NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
pH	8.5 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.5 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Temperature, Water (C)	Deg C	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Temperature, Water (C)	Deg C	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Turbidity	NTU	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Turbidity	NTU	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD005 (150S pit dewatering outfall B105)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Copper, Total (as Cu)	ug/L	CalMoMax				<5.0			<5.0			<5.0			
Flow	MG	CalMoTot	44.0	25.9	36.4	127.1	234.7	255.1	227.1	184.3	41.7	47.1	15.5	64.6	108.625
Flow	mgd	CalMoMax	6.8	6.8	7.6	9.4	9.4	9.4	9.4	9.4	5.3	8.6	5.3	7.6	7.917
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
Mercury, Total (as Hg)	ug/L	CalMoAvg			0.00051						0.001				0.001
Mercury, Total (as Hg)	ug/L	CalMoMax			0.00051						0.001				0.001
Nickel, Total (as Ni)	ug/L	CalMoMax				<5.0			<5.0			<5.0			
Nickel, Total (as Ni)	ug/L	CalMoMax				<5.0			<5.0			<5.0			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg			<0.050	<0.050	0.06	0.044	0.015	0.084	<0.050	0.010			0.043
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax			<0.050	<0.050	0.1	0.073	0.06	0.13	<0.050	0.050			0.083
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			<0.0005	<0.0009	0.0007	0.002	0.001	0.004	<0.004	0.001			0.002
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax			<0.0008	<0.001	0.001	0.002	0.004	0.006	<0.004	0.004			0.003
pH	8.5 SU	InstantMax	8.4	8.4	8.3	8.3	8.2	8.3	8.5	8.3	8.5	8.6	8.4	8.4	8.383
pH	6.5 SU	InstantMin	8.0	8.3	7.6	8.2	7.8	8.2	8.4	8.3	8.5	8.4	8.4	8.3	8.2
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		4.8		2.4		1.2		1.2		<1.0		1.6	2.24
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		4.8		2.4		1.2		1.2		<1.0		1.6	2.24
Sulfate, Total (as SO4)	mg/L	CalMoMax	150	96.4	113	90.6	68.8	93.7	71.8	99.2	89.5	74.9	73.3	69.2	90.867
Temperature, Water (C)	Deg C	CalMoAvg			1.5	2.3	6.9	11.2	18.9	14.0	15.0	12.1			10.237
Temperature, Water (C)	Deg C	CalMoMax			1.5	2.6	8.1	13.6	21.1	14.1	15.3	13.4			11.213
Turbidity	NTU	CalMoAvg	0.8	1.0	0.6	1.3	4.5	1.0	5.0	1.4	0.9	0.9	0.8	0.6	1.567
Turbidity	NTU	CalMoMax	1.0	1.1	0.7	1.9	5.4	1.2	5.1	1.6	1.0	0.9	0.9	0.6	1.783

Surface Discharge Station SD006 (185S pit dewatering outfall B106)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ug/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Mercury, Total (as Hg)	ug/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD006 (185S pit dewatering outfall B106)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
pH	8.5 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.5 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Temperature, Water (C)	Deg C	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Temperature, Water (C)	Deg C	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Turbidity	NTU	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Turbidity	NTU	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD007 (223S pit dewatering outfall B107)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ug/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Mercury, Total (as Hg)	ug/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
pH	8.5 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.5 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Temperature, Water (C)	Deg C	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Temperature, Water (C)	Deg C	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Turbidity	NTU	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Turbidity	NTU	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD008 (258S pit dewatering outfall B108)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ug/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Mercury, Total (as Hg)	ug/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
pH	8.5 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.5 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Temperature, Water (C)	Deg C	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Temperature, Water (C)	Deg C	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Turbidity	NTU	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Turbidity	NTU	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD009 (280/292S pit dewatering outfall B109)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Flow	MG	CalMoTot	74.8	141.0	150.4	206.0	148.0	348.5	95.5	164.9	39.1	NoDis	148.9	98.5	146.873
Flow	mgd	CalMoMax	5.0	5.0	5.8	10.4	9.8	9.5	9.5	9.8	5.8	NoDis	9.4	5.8	7.8
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NoDis	<0.050		
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NoDis	<0.050		
Mercury, Total (as Hg)	ug/L	CalMoAvg			<0.0005			0.00115			0.00074				0.001
Mercury, Total (as Hg)	ug/L	CalMoMax			<0.0005			0.0013			0.00074				0.001
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg			<0.050	0.034	0.06	0.11	<0.050	0.07	<0.050	NoDis			0.069
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax			<0.050	0.091	0.14	0.23	<0.050	0.12	<0.050	NoDis			0.145
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			<0.0002	0.0002	0.002	0.01	<0.003	0.006	<0.003	NoDis			0.005
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax			<0.0002	0.0006	0.004	0.02	<0.003	0.01	<0.003	NoDis			0.009
pH	8.5 SU	InstantMax	8.0	7.9	7.7	8.0	8.2	8.5	8.2	8.4	8.3	NoDis	8.2	8.2	8.145
pH	6.5 SU	InstantMin	7.6	7.9	7.6	7.8	7.9	8.5	8.2	8.3	8.3	NoDis	8.1	8.2	8.036

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD009 (280/292S pit dewatering outfall B109)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		<1.0		1.2		1.8		1.6		NoDis			1.533
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		<1.0		2.4		2.0		1.6		NoDis			2.0
Sulfate, Total (as SO4)	mg/L	CalMoAvg	35.1	31.7	26.3	24.95	14.0	17.1	16.0	19.4	24.45	NoDis	26.0		23.5
Temperature, Water (C)	Deg C	CalMoAvg			0.3	2.1	10.8	15.2	20.9	19.5	19.3	NoDis			12.586
Temperature, Water (C)	Deg C	CalMoMax			0.3	2.8	17.4	15.2	21.2	20.0	19.3	NoDis			13.743
Turbidity	NTU	CalMoAvg	0.9	0.8	0.6	0.9	1.1	0.9	1.2	1.5	1.3	NoDis	0.5	0.4	0.918
Turbidity	NTU	CalMoMax	1.0	0.8	0.6	1.1	1.3	1.0	1.2	1.6	1.3	NoDis	0.6	0.4	0.991

Surface Discharge Station SD010 (360S pit dewatering outfall B110)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Flow	MG	CalQtrTot			NoDis			1.6			5.2			0.5	2.433
Flow	mgd	CalQtrMax			NoDis			0.02			0.17			0.006	0.065
Iron, Dissolved (as Fe)	1.0 mg/L	CalQtrAve			NoDis			0.0807			<0.050			0.845	0.463
Iron, Dissolved (as Fe)	2.0 mg/L	CalQtrMax			NoDis			0.0807			<0.050			1.10	0.59
Mercury, Total (as Hg)	ug/L	CalQtrAve			NoDis			0.0014			0.00083			<0.00050	0.001
Mercury, Total (as Hg)	ug/L	CalQtrMax			NoDis			0.0014			0.00083			<0.00050	0.001
pH	8.5 SU	InstantMax			NoDis			8.0			8.2			7.2	7.8
pH	6.5 SU	InstantMin			NoDis			8.0			7.2			7.2	7.467
Solids, Total Suspended (TSS)	20 mg/L	CalQtrAve			NoDis			4.4			1.2			<1.2	2.8
Solids, Total Suspended (TSS)	30 mg/L	CalQtrMax			NoDis			4.4			1.2			<1.2	2.8
Sulfate, Total (as SO4)	mg/L	CalMoAvg				8.1					10.25				9.175
Temperature, Water (C)	Deg C	CalQtrAve			NoDis			0.9			20.2			13.2	11.433
Temperature, Water (C)	Deg C	CalQtrMax			NoDis			0.9			22.4			13.2	12.167
Turbidity	NTU	CalQtrAve			NoDis			5.4			2.2			1.1	2.9
Turbidity	NTU	CalQtrMax			NoDis			5.4			2.8			1.1	3.1

Surface Discharge Station SD011 (380S pit dewatering outfall B111)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD011 (380S pit dewatering outfall B111)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Mercury, Total (as Hg)	ug/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Mercury, Total (as Hg)	ug/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
pH	8.5 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.5 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Temperature, Water (C)	Deg C	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Temperature, Water (C)	Deg C	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Turbidity	NTU	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Turbidity	NTU	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD012 (430S pit dewatering pipe outfall B112)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ug/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Mercury, Total (as Hg)	ug/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Total (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
pH	8.5 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.5 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax		NoDis		NoDis		NoDis		NoDis		NoDis		NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Temperature, Water (C)	Deg C	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD012 (430S pit dewatering pipe outfall B112)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Temperature, Water (C)	Deg C	CalMoMax			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Turbidity	NTU	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Turbidity	NTU	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD013 (Crusher 2 Sanitary pipe outfall B201)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	4.2 kg/day	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
BOD, Carbonaceous 05 Day (20 Deg C)	6.6 kg/day	MxCalWkAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
BOD, Carbonaceous 05 Day (20 Deg C)	40 mg/L	MxCalWkAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Chlorine, Total Residual	0.038 mg/L	DailyMax				NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Fecal Coliform, MPN or Membrane Filter 44.5C	200 #100ml	CalMoGeoMn				NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Fecal Coliform, MPN or Membrane Filter 44.5C	#100ml	MxCalWkAvg				NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Phosphorus, Total (as P)	0.17 kg/day	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Phosphorus, Total (as P)	0.29 kg/day	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Phosphorus, Total (as P)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Phosphorus, Total (as P)	1.7 mg/L	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	7.5 kg/day	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	10.8 kg/day	MxCalWkAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	45 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	65 mg/L	MxCalWkAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD014 (Crusher 1 E Sanitary pipe outfall B202)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	4.2 kg/day	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
BOD, Carbonaceous 05 Day (20 Deg C)	6.6 kg/day	MxCalWkAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD014 (Crusher 1 E Sanitary pipe outfall B202)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	40 mg/L	MxCaWkAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Chlorine, Total Residual	0.038 mg/L	DailyMax				NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Fecal Coliform, MPN or Membrane Filter 44.5C	200 #100ml	CalMoGeoMn				NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Fecal Coliform, MPN or Membrane Filter 44.5C	#100ml	MxCaWkAvg				NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis			
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Phosphorus, Total (as P)	kg/day	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Phosphorus, Total (as P)	kg/day	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Phosphorus, Total (as P)	mg/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Phosphorus, Total (as P)	mg/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Solids, Total Suspended (TSS)	7.5 kg/day	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	10.8 kg/day	MxCaWkAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	45 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	65 mg/L	MxCaWkAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD015 (Crusher 1 W Sanitary pipe outfall B203)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	4.2 kg/day	CalMoAvg	0.2	0.3	0.3	0.1	0.2	0.1	0.07	<0.06	0.08	0.1	0.2	NoDis	0.165
BOD, Carbonaceous 05 Day (20 Deg C)	6.6 kg/day	MxCaWkAvg	0.2	0.3	0.4	0.3	0.3	0.1	0.2	<0.1	0.2	0.2	0.2	NoDis	0.24
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	14.05	14.5	17.9	6.2	9.2	3.2	3.7	<3.5	4.85	4.5	7.85	NoDis	8.595
BOD, Carbonaceous 05 Day (20 Deg C)	40 mg/L	MxCaWkAvg	16.0	15.5	24.3	12.4	11.5	6.4	7.4	<4.0	9.7	9.0	9.6	NoDis	12.18
Chlorine, Total Residual	0.038 mg/L	DailyMax				0.03	0.02	0.03	0.03	0.03	0.03	0.03			0.029
Fecal Coliform, MPN or Membrane Filter 44.5C	200 #100ml	CalMoGeoMn				<2	<2	<2	4.9	<2	<2	<2			4.9
Fecal Coliform, MPN or Membrane Filter 44.5C	#100ml	MxCaWkAvg				<2	<2	<2	12	<2	<2	<2			12.0
Flow	MG	CalMoTot	0.1	0.1	0.09	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	NoDis	0.108
Flow	mgd	CalMoMax	0.004	0.005	0.004	0.004	0.007	0.009	0.009	0.009	0.006	0.01	0.006	NoDis	0.007
pH	9.0 SU	InstantMax	7.1	7.4	7.1	7.3	7.2	7.3	7.4	7.3	7.2	7.1	7.3	NoDis	7.245
pH	6.0 SU	InstantMin	7.0	7.3	6.7	6.5	6.5	6.2	6.5	6.4	6.4	6.6	7.2	NoDis	6.664
Phosphorus, Total (as P)	kg/day	CalMoAvg			0.06			0.06			0.07			NoDis	0.063
Phosphorus, Total (as P)	kg/day	CalMoMax			0.07			0.07			0.07			NoDis	0.07

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD015 (Crusher 1 W Sanitary pipe outfall B203)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Phosphorus, Total (as P)	mg/L	CalMoAvg			4.4			3.0			4.4			NoDis	3.933
Phosphorus, Total (as P)	mg/L	CalMoMax			4.4			3.0			4.4			NoDis	3.933
Solids, Total Suspended (TSS)	7.5 kg/day	CalMoAvg	0.1	0.2	0.1	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	NoDis	0.273
Solids, Total Suspended (TSS)	10.8 kg/day	MxCaIWkAvg	0.2	0.3	0.1	0.4	0.4	0.5	0.4	0.4	0.3	0.4	0.4	NoDis	0.345
Solids, Total Suspended (TSS)	45 mg/L	CalMoAvg	10.6	11.3	8.5	16.65	15.25	21.15	16.55	21.15	18.1	16.0	13.9	NoDis	15.377
Solids, Total Suspended (TSS)	65 mg/L	MxCaIWkAvg	12.4	13.0	9.0	18.0	15.3	23.0	16.7	23.6	20.7	17.3	17.0	NoDis	16.909

Surface Discharge Station SD016 (Crusher 2 Sed Basin weir outfall B301)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	NoDis	NoDis	NoDis							NoDis	NoDis		
BOD, Carbonaceous 05 Day (20 Deg C)	50 mg/L	CalMoMax	NoDis	NoDis	NoDis							NoDis	NoDis		
Cadmium, Total (as Cd)	ug/L	CalMoMax				<0.20						NoDis			
Chlorine, Total Residual	0.038 mg/L	CalMoMax	NoDis	NoDis	NoDis							NoDis	NoDis		
Copper, Total (as Cu)	ug/L	CalMoMax				<5.0						NoDis			
Flow	MG	CalQtrTot			NoDis			0.03			0.1			0.1	0.077
Flow	mgd	CalQtrAve			NoDis			0.0004			0.001			0.001	0.001
Flow	mgd	CalQtrMax			NoDis			0.0004			0.001			0.001	0.001
Iron, Dissolved (as Fe)	1.0 mg/L	CalQtrAve			NoDis			0.294			0.550			<0.050	0.422
Iron, Dissolved (as Fe)	2.0 mg/L	CalQtrMax			NoDis			0.294			0.550			<0.050	0.422
Lead, Total (as Pb)	ug/L	CalMoMax				<0.50						NoDis			
Mercury, Total (as Hg)	ug/L	CalQtrMax			NoDis			<0.00050			<0.00050			<0.00050	
Organics, Diesel Range as diesel, Total	ug/L	CalQtrMax			NoDis			<110			<110			<100	
pH	9.0 SU	InstantMax			NoDis			7.2			7.4			7.6	7.4
pH	6.0 SU	InstantMin			NoDis			7.2			7.4			7.6	7.4
Phosphorus, Total (as P)	kg/day	CalQtrAve			NoDis			<0.0001			<0.0004			<0.0005	
Phosphorus, Total (as P)	kg/day	CalQtrMax			NoDis			<0.0001			<0.0004			<0.0005	
Phosphorus, Total (as P)	mg/L	CalQtrAve			NoDis			<0.10			<0.10			<0.10	
Phosphorus, Total (as P)	mg/L	CalQtrMax			NoDis			<0.10			<0.10			<0.10	
Solids, Total Suspended (TSS)	20 mg/L	CalQtrAve			NoDis			3.0			<1.0			1.2	2.1
Solids, Total Suspended (TSS)	30 mg/L	CalQtrMax			NoDis			3.0			<1.0			1.2	2.1
Specific Conductance, Field	umh/cm	CalQtrMax			NoDis			476			358			395	409.667
Zinc, Total (as Zn)	ug/L	CalMoMax				<10.0						NoDis			

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD016 (Crusher 2 Sed Basin weir outfall B301)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Zinc, Total (as Zn)	ug/L	CalMoMax				<10.0						NoDis			

Surface Discharge Station SD017 (Crusher 1 E Shop weir outfall B302)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	3.4	<3.0	17.9	<8.0	<4.0	<2.4	<3.0	<2.4	<2.4	<3.0	<2.4	<2.4	10.65
BOD, Carbonaceous 05 Day (20 Deg C)	50 mg/L	CalMoMax	3.4	<3.0	17.9	<8.0	<4.0	<2.4	<3.0	<2.4	<2.4	<3.0	<2.4	<2.4	10.65
Cadmium, Total (as Cd)	ug/L	CalMoMax				<0.20						<0.20			
Copper, Total (as Cu)	ug/L	CalMoMax				<5.0						<5.0			
Flow	MG	CalMoTot	0.05	0.1	0.4	0.4	0.7	0.9	0.4	0.5	0.1	0.07	0.4	0.5	0.377
Flow	mgd	CalMoAvg	0.002	0.005	0.01	0.01	0.2	0.03	0.01	0.02	0.003	0.002	0.01	0.02	0.027
Flow	mgd	CalMoMax	0.002	0.005	0.01	0.01	0.2	0.03	0.01	0.02	0.003	0.002	0.01	0.02	0.027
Lead, Total (as Pb)	ug/L	CalMoMax				1.9						<0.50			1.9
Mercury, Total (as Hg)	ug/L	CalMoAvg			0.0015						<0.00050				0.002
Mercury, Total (as Hg)	ug/L	CalMoMax			0.0015						<0.00050				0.002
Organics, Diesel Range as diesel, Total	ug/L	DailyMax	370	330	370	310	<110	<100	<100	240	<100	<100	130	260	287.143
pH	9.0 SU	InstantMax	7.2	6.9	7.0	7.2	7.5	7.7	7.5	7.2	7.0	7.3	7.2	7.4	7.258
pH	6.0 SU	InstantMin	7.2	6.9	7.0	7.2	7.5	7.7	7.5	7.2	7.0	7.3	7.2	7.4	7.258
Phosphorus, Total (as P)	kg/day	CalMoAvg			<0.006			<0.01			<0.001			<0.007	
Phosphorus, Total (as P)	kg/day	CalMoMax			<0.006			<0.01			<0.001			<0.007	
Phosphorus, Total (as P)	mg/L	CalMoAvg			<0.1			<0.10			<0.10			<0.10	
Phosphorus, Total (as P)	mg/L	CalMoMax			<0.1			<0.10			<0.10			<0.10	
Solids, Total Suspended (TSS)	30 mg/L	CalMoAvg	2.4	3.6	23.2	30.0	14.0	4.5	4.0	2.4	3.2	3.3	4.0	9.0	8.633
Solids, Total Suspended (TSS)	60 mg/L	CalMoMax	2.4	3.6	42.0	30.0	14.0	4.5	4.0	2.4	3.2	3.3	4.0	9.0	10.2
Specific Conductance, Field	umh/cm	CalMoMax	1228	1066	719	510	562	784	558	633	1137	927	946	1092	846.833
Zinc, Total (as Zn)	ug/L	CalMoMax				31.0						<10.0			31.0
Zinc, Total (as Zn)	ug/L	CalMoMax				31.0						<10.0			31.0

Surface Discharge Station SD018 (Crusher 1 Sed Basin weir outfall B303)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Chlorine, Total Residual	0.038 mg/L	CalMoMax	NoDis	NoDis	NoDis	0.02	0.02	0.02	0.47	0.03	NoDis	0.03	0.01	0.01	0.076
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	0.1	1.2	0.2	0.5	0.3	NoDis	0.2	0.006	0.001	0.313
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	0.005	0.04	0.006	0.02	0.01	NoDis	0.006	0.0002	0.00004	0.011

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD018 (Crusher 1 Sed Basin weir outfall B303)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	0.009	0.04	0.01	0.02	0.01	NoDis	0.006	0.0002	0.0004	0.012
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	7.5	7.8	7.9	7.4	7.3	NoDis	7.6	7.7	7.4	7.575
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	7.2	7.1	7.7	7.0	7.3	NoDis	7.6	7.7	7.4	7.375
Solids, Total Suspended (TSS)	30 mg/L	CalMoAvg	NoDis	NoDis	NoDis	7.2	14.0	1.2	2.0	5.6	NoDis	8.5	<1.0	1.6	5.729
Solids, Total Suspended (TSS)	60 mg/L	CalMoMax	NoDis	NoDis	NoDis	7.2	14.0	1.2	2.0	5.6	NoDis	8.5	<1.0	1.6	5.729

Surface Discharge Station SD019 (Crusher 1 W Shop weir outfall B304)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	NoDis	NoDis	NoDis	<8.0	<3.0	<2.4	<4.0	<4.0	<2.4	<4.0	<2.4	<2.4	
BOD, Carbonaceous 05 Day (20 Deg C)	50 mg/L	CalMoMax	NoDis	NoDis	NoDis	<8.0	<3.0	<2.4	<4.0	<4.0	<2.4	<4.0	<2.4	<2.4	
Cadmium, Total (as Cd)	ug/L	CalMoMax				<0.20						<0.20			
Copper, Total (as Cu)	ug/L	CalMoMax				10.2						<5.0			10.2
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	2.6	3.6	1.0	1.3	1.1	0.06	0.09	0.5	0.2	1.161
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	0.09	0.1	0.03	0.04	0.03	0.002	0.003	0.02	0.006	0.036
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	0.09	0.1	0.03	0.04	0.03	0.002	0.003	0.02	0.006	0.036
Lead, Total (as Pb)	ug/L	CalMoMax				1.8						<0.50			1.8
Mercury, Total (as Hg)	ug/L	CalMoAvg			NoDis			0.00056			<0.00050			<0.00050	0.001
Mercury, Total (as Hg)	ug/L	CalMoMax			NoDis			0.00056			<0.00050			<0.00050	0.001
Organics, Diesel Range as diesel, Total	ug/L	DailyMax	NoDis	NoDis	NoDis	200	<35	<100	<110	110	110	<100	150	270	168.0
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	7.3	7.1	6.9	6.9	6.8	7.1	7.2	7.1	7.8	7.133
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	7.3	7.1	6.9	6.9	6.8	7.1	7.2	7.1	7.8	7.133
Phosphorus, Total (as P)	kg/day	CalMoAvg			NoDis			<0.01			<0.0008			<0.002	
Phosphorus, Total (as P)	kg/day	CalMoMax			NoDis			<0.01			<0.0008			<0.002	
Phosphorus, Total (as P)	mg/L	CalMoAvg			NoDis			<0.10			<0.10			<0.10	
Phosphorus, Total (as P)	mg/L	CalMoMax			NoDis			<0.10			<0.10			<0.10	
Solids, Total Suspended (TSS)	30 mg/L	CalMoAvg	NoDis	NoDis	NoDis	25.0	6.8	2.8	6.5	2.7	6.0	<2.5	7.0	11.0	8.475
Solids, Total Suspended (TSS)	60 mg/L	CalMoMax	NoDis	NoDis	NoDis	25.0	6.8	2.8	6.5	2.7	6.0	<2.5	7.0	11.0	8.475
Specific Conductance, Field	umh/cm	CalMoMax	NoDis	NoDis	NoDis	288	259	307	332	359	436	411	398	394	353.778
Zinc, Total (as Zn)	ug/L	CalMoMax				70.2						<10.0			70.2
Zinc, Total (as Zn)	ug/L	CalMoMax				70.2						<10.0			70.2

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Discharge Station SD020 (Flow-weighted composite of B106-B112, B301)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Fibers, Ambiguous	MF/L	SingleVal				28.4							0.0		14.2
Fibers, Amphibole	MF/L	SingleVal				85.2							17.4		51.3
Fibers, Chrysotile	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Non-Amphibole Non Chrysotile	MF/L	SingleVal				482.6							0.0		241.3
Fibers, Total	MF/L	SingleVal				596.2							17.4		306.8
Flow	mgd	SingleVal				10.4							9.4		9.9
Precipitation	in	SingleVal				0.28							0.53		0.405

Surface Discharge Station SD022 (Flow weighted composite of B100-B105, B302-B304)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Fibers, Ambiguous	MF/L	SingleVal				0.0							87.1		43.55
Fibers, Amphibole	MF/L	SingleVal				298.0							130.6		214.3
Fibers, Chrysotile	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Non-Amphibole Non Chrysotile	MF/L	SingleVal				638.7							653.1		645.9
Fibers, Total	MF/L	SingleVal				936.7							870.7		903.7
Flow	mgd	SingleVal				14.6							10.8		12.7
Precipitation	in	SingleVal				0.28							0.53		0.405

Surface Water Station SW002 (Untreated Hoyt Lakes Municipal Water Station B700)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Fibers, Ambiguous	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Amphibole	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Chrysotile	MF/L	SingleVal				2.1							0.0		1.05
Fibers, Non-Amphibole Non Chrysotile	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Total	MF/L	SingleVal				2.1							0.0		1.05
Flow	mgd	SingleVal				0.35									0.35
Flow, Stream, Instantaneous	cfs	SingleVal											2.3		2.3
Solids, Total Suspended (TSS)	mg/L	SingleVal				<1.2							4.4		4.4
Turbidity	NTU	SingleVal				4.1							4.7		4.4

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

Northshore Mining Co - Peter Mitchell (MN0046981)

First DMR in Delta: 4/1999

Surface Water Station SW003 (Outlet of Birch Lake at MN Hwy 1 B703)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Fibers, Ambiguous	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Amphibole	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Chrysotile	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Non-Amphibole Non Chrysotile	MF/L	SingleVal				2.1							0.0		1.05
Fibers, Total	MF/L	SingleVal				2.1							0.0		1.05
Flow, Stream, Instantaneous	cfs	SingleVal				156							458		307.0
Solids, Total Suspended (TSS)	mg/L	SingleVal				<1.2							2.4		2.4
Turbidity	NTU	SingleVal				1.3							2.0		1.65

Surface Water Station SW004 (Partridge R at Co Rd 666 E of Hoyt Lakes B710)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/13</u>	<u>2/13</u>	<u>3/13</u>	<u>4/13</u>	<u>5/13</u>	<u>6/13</u>	<u>7/13</u>	<u>8/13</u>	<u>9/13</u>	<u>10/13</u>	<u>11/13</u>	<u>12/13</u>	<u>Ave</u>
Fibers, Ambiguous	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Amphibole	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Chrysotile	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Non-Amphibole Non Chrysotile	MF/L	SingleVal				0.0							0.0		0.0
Fibers, Total	MF/L	SingleVal				0.0							0.0		0.0
Flow, Stream, Instantaneous	cfs	SingleVal				22.5							56		39.25
Solids, Total Suspended (TSS)	mg/L	SingleVal				2.0							3.2		2.6
Turbidity	NTU	SingleVal				9.7							5.0		7.35

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.