ATCO Electric Yukon
(AEY)

TOPIC: **Wholesale Sales Forecast**

REFERENCE:

	2017	2018	Source
Wholesale Sales (MWh)	309,000	309,519	Application, Table 2.1
Wholesale Purchases (MWh)	314,234		ATCO Electric Yukon Compliance Filing, Schedule 3.1, Approved Board Order 2017-03

PREAMBLE: AEY is interested in more information regarding YEC's Wholesale forecast.

QUESTION:

a) Please explain the difference between YEC's 2017 Wholesale Sales forecast and AEY's 2017 Purchase forecast. Please provide any calculations relevant to YEC's Wholesale Sales forecast.

ANSWER:

(a)

YEC's 2017 firm Wholesale Sales forecast of 309,000 MWh was finalized before receiving AEY's Compliance Filing 2017 firm Purchase Power forecast of 314,234 MWh.

At the time when YEC finalized its forecast of 309,000 MWh, YEC had noted AEY's prior forecast in its original Application of 300,325 MWh.

While YEC takes into account AEY's forecast on an annual basis, YEC prepares its own separate forecast based on professional judgement. In addition to considering information received from AEY, YEC used a multivariate linear regression model to validate the judgmental forecast.

Please also see responses to CW-YEC-1-11, and YUB-YEC-1-59.

Please also see response to YUB-YEC-1-3 regarding the difference between YEC's GRA and the AEY Compliance Filing as approved by Board Order 2017-03.

TOPIC: **LED Streetlight Retrofits**

REFERENCE: "In 2015, Yukon Energy decided to move forward with the retrofit of their streetlight assets with LEDs. A consultant was retained to develop a technical specification that was used in a competitive bidding process. Streetlights in downtown Dawson and Mayo were retrofit in 2016 with plans to retrofit the remaining streetlights in Faro, Mendenhall and Champagne in 2018.

The net cost of piloting LED streetlights to 2016 is $0.142 million and the cost for retrofitting the streetlights in Dawson and Mayo with LEDs in 2016 was $0.168 million. The cost of completing the retrofits will be $0.080 million in 2018."

- Application, Page 5-42

"293. With respect to LED streetlight installations that are not end-of-life conversions, the Board directs AEY to treat the costs related to new installations or requested conversions as capital costs that attract a full customer contribution in aid of construction."

- Board Order 2017-01

PREAMBLE: AEY is interested in more information regarding YEC's LED streetlight retrofitting program.

QUESTION:

a) Are the lights that YEC is retrofitting at their end-of-life? If so, please explain how YEC determines when lights are at end-of-life?

b) Did YEC receive customer contributions for the LED Streetlight Retrofits?

c) Please discuss YEC's views respecting LED retrofits in the context of: i) Board Order 2017-01; ii) the postage stamp rate environment in the Yukon; and iii) the shared investment policy with ATCO Electric Yukon.

ANSWER:

(a), (b) and **(c)**

Please see response to YUB-YEC-1-81.

TOPIC: **DCF**

REFERENCE: "Update to DCF Cap – Updated information on the adequacy of the existing DCF cap is reviewed, in order that the Board and interveners can assess options to the current +/-$8 million cap. No specific option to modify this cap is proposed in the Application."

- Application, Page 3.4-9

"Prospects today for continuation or a material increase in loads within the next several years helps to secure more efficient use of existing hydro generation capability, but also indicates ongoing need for a robust DCF to deal with water year variability of the hydro generation, i.e., the Minto mine is now expected to continue operations until at least 2020 (and perhaps until 2022), and there are also renewed near-term prospects for new connected Alexco Resources and Victoria Gold mine loads (see Tab 2 of this Application)."

- Application, Page 3.4-11

"Attachment 3.4.4 assesses the extent that a higher DCF cap of +/- $16 million (versus the current +/- $8 million cap) could reduce Rider E impact frequency and enable the DCF to be more robust in dealing with severe drought (with reduced rate instability for ratepayers)."

"Based on the DCF cap update assessments as reviewed above, the Board and intervenors can assess the indicated benefits of **increasing** the DCF cap at this time."
[**emphasis added**]

- Application, Page 3.4-12

PREAMBLE: AEY is interested in more information regarding YEC's DCF.

QUESTION:

a) What percentage of YEC's 2017 revenue requirement is related to the $8 million DCF cap? What percentage of YEC's 2017 revenue requirement would be related to a $16 million DCF? What would the DCF cap be based on 5% of revenue requirement?

b) Please discuss how YEC would financially support a negative DCF balance up to:
   a. $8 million;
   b. $16 million;
   c. 5% of revenue requirement;
   d. For example, would the corporation issue debt? How would carrying charges be addressed?

c) Please discuss the pros and cons of the DCF cap as a percentage of revenue requirement, as calculated in part a) of this response.

d) Has YEC considered decreasing the DCF cap?

e) Please discuss how appropriate price signals will be sent to customers to incent energy conservation, in the event of a drought and fossil fuel must be used for generation.

f) Please discuss YEC's views respecting time-of-use metering. Please comment on whether the DCF will continue to be relevant if time-of-use metering is implemented in the Yukon. Please comment on whether YEC believes time-of-use pricing will be implemented when fossil fuel is used for generation.

g) Please discuss intergenerational equity and how it relates to the DCF. Please comment on how the DCF may be impacted by a significant load addition if a drought is experienced around the time of connection.

ANSWER:

(a) and **(c)**

YEC's revenue requirement is not in any way related to, or affected by, the DCF cap, i.e., DCF determinations are not tied to YEC's revenue requirement as such, and the DCF cap does not affect DCF determinations relating to YEC's final generation costs in any given year.

YEC's revenue requirement in 2017 is $48.5 million.

- An $8 million DCF cap is 16% of $48.5 million.
- A $16 million DCF cap is 33% of $48.5 million.
- A DCF cap based on 5% of $48.5 million equals $2.4 million, i.e., an amount well below the +/-$8 million cap approved by the Board in Order 2015-01.

There is no apparent basis or benefit from setting the DCF cap as a percentage of revenue requirement as reviewed above. As reviewed by the Board in Order 2015-01, and as updated in Tab 3, Attachment 3.4.4, the principled basis for setting the DCF cap addresses minimizing the frequency of related rate riders and enhancing the robust ability of the DCF to deal with drought conditions affecting hydro availability.

(b)

YEC has a $10 million line of credit that would be used to finance a DCF shortfall up to the current cap of $8 million. If the Board directed that this cap would be increased to $16 million, YEC would propose to accrue cash sufficient to cover the increase in a trust bank account over a reasonable period of time. This approach would avoid finance charges on this excess balance.

As reviewed in Tab 3, Attachment 3.4.4, during a severe drought YEC would experience a need to borrow funds beyond the DCF caps examined in order to finance actual thermal generation costs incurred.

With respect to carrying charges on negative balances in the DCF, the DCF Term Sheet as approved by the Board provides as follows for interest relating to the Fund:

> "The Fund is to attract interest based upon the short/intermediate term bond rates in which YEC may invest the Fund and any negative balances would only attract interest at the lowest short-term borrowing rate available to YEC through a line of credit."

(d)

Tab 3, Attachment 3.4.4, which reviewed the DCF cap, notes the reasons of the Board in Order 2015-01 for rejecting a lower DCF cap for 2013 and the fact that the current 2017/18 GRA forecast indicates a slightly higher forecast firm load and LTA generation in 2018 than was approved for 2013. YEC concluded as follows (page 3.4-11): "This alone suggests that there is no reasonable basis today to consider any lower cap than the +/-$8 million last approved by the Board."

(e), (f) and **(g)**

As reviewed at length in the last DCF proceeding, the DCF has been established to provide stability for rates, and to reflect the underlying long-term valuation of renewable hydro and wind generation (where economic feasibility typically is assessed based on long-term average energy supply). In this context, intergenerational equity is enhanced to the extent that the DCF is able to provide rate stability – and price signals (i.e., higher rates) during a drought to promote conservation are not seen as fair or reasonable.

The DCF requirements will remain with or without time of use metering and/or time of use pricing.

As reviewed in Tab 3, Attachment 3.4.4, DCF caps in the range from $8 to $16 million will still be expected to require special rate riders during historic drought water conditions.

- At a 420 GW.h load, increasing the DCF cap from $8 to $16 million reduces the peak drought year charge as estimated in this analysis from $13.6 million to $4.7 million, and reduces the average charge per year (for years with rate rider charges) from $4.2 million to $2.2 million.

- At a 450 GW.h load, increasing the DCF cap from $8 to $16 million reduces the peak drought year charge as estimated in this analysis from $14.0 million to $8.2 million, and reduces the average charge per year (for years with rate rider charges) from $4.8 million to $3.5 million. A modest added increase in the DCF cap above $16 million is noted to likely be needed to reduce peak year charges to levels noted for the 420 GW.h load.

TOPIC: **DCF**

REFERENCE: "[12] Long-term average hydro generation under any set of assumed grid generation load and grid generation capacity and licence conditions is determined in the 2017/2018 GRA based on the then-current YECSIM power benefit model calculations based on 35 years of water record for the interconnected grid and updated reservoir and generation station water flow requirement changes as noted in Appendix 3.4 of the Application. As load grows a portion of the load growth is currently served (on average) by increased hydro output and the remainder by increased average thermal generation (diesel or LNG)."

- Application, Page 3.4-14

PREAMBLE: AEY is interested in more information regarding YEC's LTA water record.

QUESTION:

a) What explain and indicate how the "35 years of water record" is determined? Can operational changes at YEC influence the water record?

b) Is the "35 years of water record" publically available? If not, please provide the 35 years of water record along with descriptions of the data provided and how this information is used.

c) If operational changes at YEC impact the water record, per part a) of this response, has YEC considered a shorter period for the DCF water record? Please discuss the pros and cons of going to a shorter period for the DCF water record.

ANSWER:

(a), (b) and **(c)**

Tab 3, Attachment 3.4.2 outlines the data (including hydrological water records, used as input to the YECSIM model. Inflow water data is not generally influenced by operational changes at YEC. The applicable water record data is provided in AEY-YEC-1-4 Attachment 1.

As regards considering a shorter period for the DCF water record, planning models for hydro generation systems seek to secure longer rather than shorter periods of reliable data for the water records used in the simulation models.

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1981	1	125.5	3.9	7.2
1981	2	106.0	-0.2	7.3
1981	3	115.4	3.2	7.5
1981	4	91.8	2.7	8.0
1981	5	86.1	1.9	5.2
1981	6	79.0	3.1	3.1
1981	7	90.8	1.7	3.3
1981	8	89.1	1.9	3.1
1981	9	73.6	2.5	3.2
1981	10	77.9	2.4	6.2
1981	11	64.1	2.4	6.5
1981	12	56.7	2.8	6.5
1981	13	50.2	2.9	6.6
1981	14	33.7	3.3	4.7
1981	15	34.5	3.0	3.3
1981	16	45.8	9.9	6.9
1981	17	41.7	9.1	7.6
1981	18	77.0	9.1	10.0
1981	19	148.6	9.1	55.9
1981	20	260.0	10.2	69.7
1981	21	432.7	15.2	55.4
1981	22	594.5	12.1	41.6
1981	23	535.2	16.2	43.5
1981	24	509.0	12.6	32.4
1981	25	666.2	11.7	31.0
1981	26	652.7	12.6	33.5
1981	27	566.7	20.8	51.1
1981	28	575.5	19.1	41.3
1981	29	727.5	13.8	28.9
1981	30	700.3	14.7	28.4
1981	31	658.5	10.3	26.7
1981	32	729.2	6.7	22.5
1981	33	607.7	9.9	20.1
1981	34	550.1	12.4	10.2
1981	35	594.1	7.7	2.6
1981	36	669.2	5.1	9.6
1981	37	739.9	5.3	20.4
1981	38	562.8	10.3	28.1
1981	39	432.1	10.8	21.7
1981	40	358.0	4.5	9.0
1981	41	343.2	5.6	10.1
1981	42	361.9	8.1	17.5
1981	43	327.2	10.7	9.3
1981	44	334.9	1.5	4.7

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1981	45	284.1	3.9	2.2
1981	46	219.9	4.1	6.1
1981	47	209.8	2.5	9.3
1981	48	168.1	3.5	10.7
1981	49	131.3	4.5	2.8
1981	50	145.5	3.0	9.0
1981	51	138.7	5.4	7.2
1981	52	106.8	3.3	9.5
1982	1	85.9	3.6	4.8
1982	2	119.9	6.7	4.8
1982	3	97.9	3.4	8.7
1982	4	105.4	1.8	11.6
1982	5	120.2	-1.5	9.6
1982	6	80.1	2.5	4.7
1982	7	75.7	2.2	4.2
1982	8	58.7	6.7	4.7
1982	9	71.3	1.2	4.1
1982	10	84.6	0.4	2.3
1982	11	69.0	0.4	1.1
1982	12	45.6	0.3	1.5
1982	13	29.3	0.4	0.2
1982	14	47.0	0.4	-4.5
1982	15	41.6	0.4	5.7
1982	16	57.0	3.7	6.0
1982	17	42.2	9.5	0.1
1982	18	44.0	4.5	-2.3
1982	19	48.4	17.0	18.1
1982	20	50.4	29.0	46.6
1982	21	105.5	29.9	72.1
1982	22	272.6	41.6	112.0
1982	23	461.1	45.6	131.9
1982	24	591.2	39.3	85.1
1982	25	584.7	29.0	49.9
1982	26	645.8	13.0	37.0
1982	27	629.6	19.1	30.0
1982	28	574.0	16.4	39.3
1982	29	526.0	16.9	64.3
1982	30	546.0	17.7	45.7
1982	31	580.0	14.8	73.5
1982	32	519.7	15.9	27.9
1982	33	489.7	15.8	33.7
1982	34	474.0	11.3	-7.7
1982	35	497.5	8.8	23.6
1982	36	443.7	8.6	28.7

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1982	37	395.8	5.0	36.1
1982	38	382.4	12.1	11.8
1982	39	372.1	8.5	15.7
1982	40	396.7	3.2	15.5
1982	41	370.7	2.0	9.9
1982	42	273.3	9.0	3.1
1982	43	245.2	3.1	9.0
1982	44	198.9	4.7	9.1
1982	45	159.9	1.0	6.3
1982	46	124.3	3.7	5.3
1982	47	121.9	1.5	7.2
1982	48	125.2	0.6	8.4
1982	49	111.8	4.9	8.5
1982	50	104.6	3.1	7.0
1982	51	91.0	4.0	7.7
1982	52	102.9	2.5	7.3
1983	1	105.6	5.5	5.1
1983	2	70.0	4.7	6.1
1983	3	86.8	2.6	5.1
1983	4	78.3	1.0	5.0
1983	5	85.5	-0.4	5.5
1983	6	49.8	0.8	4.8
1983	7	51.0	1.6	3.0
1983	8	61.2	3.3	0.9
1983	9	32.1	2.3	2.1
1983	10	39.6	2.0	3.6
1983	11	23.3	2.5	3.5
1983	12	42.9	1.3	2.8
1983	13	88.4	0.7	2.7
1983	14	67.2	1.5	3.5
1983	15	53.2	0.4	3.6
1983	16	54.2	2.2	4.7
1983	17	61.4	7.2	10.7
1983	18	105.4	15.1	29.9
1983	19	123.0	16.7	51.0
1983	20	119.0	16.9	68.9
1983	21	149.0	19.2	83.8
1983	22	312.2	24.7	90.7
1983	23	499.2	36.9	80.1
1983	24	450.2	29.5	63.1
1983	25	485.1	19.5	44.7
1983	26	621.6	19.6	36.5
1983	27	583.3	13.8	33.0
1983	28	454.5	16.7	31.6

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1983	29	426.8	15.5	30.9
1983	30	482.4	12.6	28.5
1983	31	517.3	9.7	27.9
1983	32	486.6	16.1	24.9
1983	33	439.2	22.2	24.0
1983	34	412.5	14.0	24.7
1983	35	446.6	18.1	24.5
1983	36	420.1	17.6	23.8
1983	37	348.3	9.9	27.5
1983	38	352.2	8.8	26.8
1983	39	289.5	8.1	23.8
1983	40	272.7	7.3	22.4
1983	41	238.1	4.6	21.0
1983	42	192.0	6.7	16.3
1983	43	174.1	1.5	11.5
1983	44	114.2	4.7	9.2
1983	45	106.0	3.1	8.7
1983	46	130.0	3.5	9.6
1983	47	124.0	4.2	8.3
1983	48	104.7	4.6	8.2
1983	49	104.0	2.8	7.7
1983	50	109.1	3.2	8.4
1983	51	83.1	1.2	8.8
1983	52	34.8	-0.4	8.2
1984	1	60.2	1.5	1.7
1984	2	77.6	1.4	0.1
1984	3	60.8	3.3	-2.5
1984	4	81.4	2.1	-2.3
1984	5	85.7	0.9	-1.6
1984	6	53.0	1.3	-0.7
1984	7	66.0	1.3	-0.5
1984	8	56.8	1.0	-7.6
1984	9	59.0	-0.6	-2.5
1984	10	45.9	0.8	1.9
1984	11	45.8	2.6	0.3
1984	12	41.1	1.9	2.4
1984	13	40.7	0.5	2.4
1984	14	43.7	1.0	2.0
1984	15	44.1	4.1	2.7
1984	16	65.4	5.8	4.7
1984	17	57.0	4.9	8.6
1984	18	55.0	3.7	26.2
1984	19	46.6	9.9	49.5
1984	20	83.3	12.0	65.8

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1984	21	174.2	14.4	81.8
1984	22	192.2	10.5	70.9
1984	23	257.0	19.8	75.4
1984	24	321.4	13.6	76.5
1984	25	435.5	13.4	42.0
1984	26	522.6	20.9	43.5
1984	27	402.6	27.8	47.7
1984	28	420.3	16.4	37.9
1984	29	338.9	14.6	40.0
1984	30	330.1	10.8	19.3
1984	31	394.4	12.4	13.5
1984	32	534.5	17.6	12.0
1984	33	495.2	10.6	11.3
1984	34	417.0	11.6	10.3
1984	35	401.2	15.0	12.8
1984	36	409.3	16.3	11.7
1984	37	383.6	11.5	14.0
1984	38	330.1	12.9	16.0
1984	39	285.0	5.4	12.5
1984	40	254.7	8.4	16.1
1984	41	231.2	10.5	17.0
1984	42	203.9	4.8	12.8
1984	43	161.1	3.9	3.9
1984	44	132.9	1.2	-1.5
1984	45	130.4	5.3	0.3
1984	46	113.9	3.5	4.0
1984	47	116.8	3.5	-0.5
1984	48	93.4	4.0	6.0
1984	49	97.4	7.0	17.5
1984	50	67.0	6.6	47.7
1984	51	76.9	5.8	64.8
1984	52	83.0	4.7	55.0
1985	1	91.9	1.8	-9.5
1985	2	92.2	8.1	5.0
1985	3	94.8	3.6	14.7
1985	4	77.2	5.4	11.1
1985	5	63.6	4.7	5.1
1985	6	47.8	8.4	3.3
1985	7	72.2	3.9	5.0
1985	8	78.7	-0.3	4.8
1985	9	57.6	-2.4	4.4
1985	10	51.2	-2.8	5.5
1985	11	35.6	1.7	5.1
1985	12	29.2	7.4	3.2

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1985	13	43.7	5.5	3.9
1985	14	33.9	5.0	4.9
1985	15	3.4	2.7	1.1
1985	16	-5.3	1.6	1.8
1985	17	13.8	4.4	4.2
1985	18	35.1	6.3	6.8
1985	19	52.2	7.7	21.1
1985	20	57.0	12.0	62.3
1985	21	151.5	20.6	105.5
1985	22	344.9	20.9	131.4
1985	23	381.4	22.1	143.6
1985	24	302.8	13.1	75.6
1985	25	308.0	18.1	57.0
1985	26	423.5	16.0	51.7
1985	27	654.1	15.7	40.6
1985	28	718.3	14.1	45.3
1985	29	671.2	15.4	50.7
1985	30	576.8	17.7	28.8
1985	31	502.6	11.4	28.3
1985	32	460.3	9.4	17.2
1985	33	469.4	17.8	17.0
1985	34	397.2	16.2	20.0
1985	35	343.8	16.1	19.5
1985	36	353.5	14.5	17.1
1985	37	363.6	15.4	20.8
1985	38	313.9	10.9	19.6
1985	39	272.4	14.4	16.4
1985	40	221.6	10.7	18.2
1985	41	187.0	10.5	16.5
1985	42	167.4	7.8	10.0
1985	43	147.1	3.1	9.5
1985	44	123.4	1.3	10.4
1985	45	122.0	3.6	5.3
1985	46	108.3	7.2	9.6
1985	47	88.1	6.8	7.1
1985	48	83.5	5.6	7.7
1985	49	89.3	5.0	4.8
1985	50	83.9	5.2	7.3
1985	51	102.8	5.5	9.1
1985	52	69.2	5.9	7.4
1986	1	68.3	0.7	6.9
1986	2	72.6	5.7	5.8
1986	3	71.8	5.4	5.3
1986	4	74.2	3.8	8.9

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1986	5	64.9	3.8	6.3
1986	6	47.4	3.8	5.6
1986	7	44.7	5.9	3.5
1986	8	56.7	-1.4	5.1
1986	9	69.2	1.3	4.8
1986	10	66.2	3.3	4.1
1986	11	56.0	10.9	3.6
1986	12	48.0	4.6	5.8
1986	13	30.3	0.9	4.0
1986	14	19.9	3.4	5.0
1986	15	14.6	2.2	5.2
1986	16	18.4	2.2	4.3
1986	17	27.3	5.8	3.3
1986	18	70.9	8.0	6.8
1986	19	91.0	12.0	39.4
1986	20	97.4	20.2	61.3
1986	21	89.8	32.5	85.2
1986	22	182.9	33.7	134.4
1986	23	230.9	30.5	143.3
1986	24	428.8	26.1	103.9
1986	25	631.8	39.0	79.7
1986	26	618.5	30.9	50.5
1986	27	828.0	28.0	29.4
1986	28	814.7	27.2	22.2
1986	29	774.9	23.9	19.3
1986	30	667.5	24.3	30.0
1986	31	577.6	20.0	23.8
1986	32	584.6	21.6	26.2
1986	33	527.6	22.8	50.9
1986	34	406.7	18.5	47.8
1986	35	493.5	19.0	40.3
1986	36	401.2	15.9	36.7
1986	37	343.7	12.6	24.7
1986	38	363.1	16.2	17.4
1986	39	326.0	13.1	7.9
1986	40	361.5	12.7	12.1
1986	41	244.0	8.4	5.6
1986	42	258.8	9.6	2.0
1986	43	283.2	6.3	-5.2
1986	44	252.1	4.5	-8.2
1986	45	210.0	2.5	0.0
1986	46	169.1	2.1	5.2
1986	47	157.5	5.9	3.5
1986	48	158.0	3.5	8.3

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1986	49	143.5	5.4	5.2
1986	50	138.7	4.5	4.7
1986	51	99.7	6.3	5.2
1986	52	128.6	4.7	4.7
1987	1	100.9	3.3	5.7
1987	2	84.3	4.4	5.7
1987	3	91.9	5.7	5.9
1987	4	75.7	3.8	7.4
1987	5	80.7	2.5	6.5
1987	6	78.0	3.8	3.9
1987	7	86.8	2.2	3.1
1987	8	55.5	4.9	1.0
1987	9	33.9	3.9	3.4
1987	10	67.3	3.2	3.5
1987	11	86.5	2.4	3.4
1987	12	67.0	3.1	2.5
1987	13	60.6	1.0	3.8
1987	14	24.4	0.1	2.3
1987	15	54.4	3.8	5.9
1987	16	28.6	2.0	3.6
1987	17	-8.9	3.1	4.2
1987	18	41.4	4.4	20.6
1987	19	94.0	10.0	40.1
1987	20	89.9	13.5	49.1
1987	21	135.3	16.8	92.3
1987	22	282.0	26.4	144.3
1987	23	331.8	18.8	85.0
1987	24	312.3	12.9	34.6
1987	25	371.0	9.8	34.5
1987	26	525.3	14.9	34.6
1987	27	723.8	14.3	27.7
1987	28	597.5	11.8	43.1
1987	29	503.6	13.6	27.1
1987	30	620.8	9.0	13.2
1987	31	614.5	7.1	10.4
1987	32	512.0	9.5	14.2
1987	33	454.6	19.2	20.1
1987	34	432.0	20.3	22.1
1987	35	452.5	14.3	15.8
1987	36	491.9	11.6	21.0
1987	37	478.6	18.2	31.8
1987	38	365.9	10.8	26.9
1987	39	381.3	10.6	28.3
1987	40	480.5	11.0	28.9

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1987	41	339.2	8.9	30.8
1987	42	283.4	1.9	29.0
1987	43	229.4	7.5	17.0
1987	44	216.0	4.8	8.9
1987	45	187.8	5.4	14.0
1987	46	157.6	4.2	10.3
1987	47	150.1	5.1	12.2
1987	48	140.0	3.9	9.7
1987	49	106.1	4.2	6.7
1987	50	118.6	5.5	7.0
1987	51	117.7	6.2	7.0
1987	52	78.3	3.3	6.6
1988	1	83.8	1.9	2.4
1988	2	78.3	2.9	2.5
1988	3	100.0	3.0	2.6
1988	4	66.7	5.9	2.9
1988	5	64.9	4.6	5.3
1988	6	75.4	4.1	-1.1
1988	7	83.0	4.0	0.2
1988	8	59.0	3.0	5.1
1988	9	54.4	1.3	2.8
1988	10	47.3	3.7	1.7
1988	11	42.8	5.6	6.5
1988	12	48.2	5.5	4.2
1988	13	39.0	4.9	3.8
1988	14	44.6	2.6	8.3
1988	15	40.4	2.3	1.6
1988	16	37.8	4.3	-1.4
1988	17	58.0	6.0	19.3
1988	18	52.3	12.1	50.4
1988	19	130.3	20.6	101.8
1988	20	234.1	24.2	142.6
1988	21	239.0	22.6	107.9
1988	22	294.9	20.1	98.3
1988	23	430.7	26.4	82.1
1988	24	769.2	25.2	66.4
1988	25	690.6	22.5	51.3
1988	26	503.7	25.2	48.7
1988	27	602.3	28.7	32.6
1988	28	663.0	54.1	36.8
1988	29	741.9	79.4	45.9
1988	30	612.2	65.3	63.4
1988	31	545.6	57.7	68.1
1988	32	540.5	40.4	55.3

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1988	33	486.5	38.8	41.5
1988	34	442.4	32.2	34.4
1988	35	466.9	22.3	16.1
1988	36	417.4	22.6	-5.3
1988	37	382.4	18.7	19.8
1988	38	361.2	13.5	19.1
1988	39	323.3	16.6	17.5
1988	40	333.7	10.2	17.2
1988	41	347.9	14.4	12.4
1988	42	300.7	5.9	5.8
1988	43	277.4	6.0	4.5
1988	44	211.0	7.9	4.9
1988	45	187.9	8.3	5.5
1988	46	159.0	4.3	6.3
1988	47	140.4	6.0	11.9
1988	48	187.9	8.5	11.3
1988	49	158.8	6.0	7.1
1988	50	142.8	6.8	5.3
1988	51	90.3	5.2	3.3
1988	52	116.9	4.6	6.8
1989	1	94.0	0.9	4.2
1989	2	101.9	4.5	4.5
1989	3	86.6	4.0	-0.3
1989	4	112.0	3.3	3.8
1989	5	64.7	2.2	4.6
1989	6	85.0	1.8	2.7
1989	7	74.4	-0.9	4.4
1989	8	60.4	4.0	1.6
1989	9	46.2	4.3	3.5
1989	10	58.9	3.0	1.6
1989	11	94.1	3.0	6.1
1989	12	46.8	3.7	5.1
1989	13	48.3	2.1	3.7
1989	14	49.9	2.2	3.1
1989	15	17.7	3.3	5.8
1989	16	39.3	5.5	2.2
1989	17	105.1	24.1	22.9
1989	18	177.4	33.0	82.7
1989	19	225.5	27.7	105.6
1989	20	272.5	23.8	77.7
1989	21	273.9	14.5	68.0
1989	22	455.7	11.7	56.0
1989	23	598.0	20.5	57.6
1989	24	564.6	21.0	41.3

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1989	25	497.2	16.5	27.1
1989	26	526.0	21.4	24.8
1989	27	638.4	17.6	29.4
1989	28	705.5	13.1	19.6
1989	29	670.9	18.2	13.3
1989	30	600.7	12.3	14.1
1989	31	621.5	11.2	15.0
1989	32	608.4	12.7	9.5
1989	33	636.8	7.7	7.8
1989	34	593.7	7.9	7.9
1989	35	539.3	3.9	5.1
1989	36	526.9	8.5	5.6
1989	37	497.0	7.1	6.6
1989	38	422.9	1.2	8.8
1989	39	426.8	6.4	10.1
1989	40	418.6	3.6	7.4
1989	41	391.3	5.6	3.6
1989	42	324.3	4.6	2.4
1989	43	261.0	4.2	2.0
1989	44	232.8	5.3	2.6
1989	45	152.9	1.8	2.1
1989	46	201.7	5.8	8.9
1989	47	161.7	4.8	8.2
1989	48	150.7	6.0	4.1
1989	49	136.9	4.9	4.7
1989	50	125.2	3.8	4.9
1989	51	127.3	5.2	5.2
1989	52	111.8	5.0	6.8
1990	1	117.0	5.0	5.5
1990	2	115.6	4.4	8.4
1990	3	97.4	7.0	5.0
1990	4	57.8	4.8	0.7
1990	5	52.8	2.6	-2.6
1990	6	69.1	2.7	-0.3
1990	7	67.1	4.1	2.5
1990	8	96.6	4.7	3.9
1990	9	85.8	4.8	1.1
1990	10	40.8	4.2	1.0
1990	11	44.7	4.5	-1.0
1990	12	44.7	3.5	-0.3
1990	13	63.9	3.6	2.4
1990	14	-3.2	4.0	0.2
1990	15	28.1	6.4	1.5
1990	16	49.6	9.2	2.2

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1990	17	69.1	14.0	7.6
1990	18	90.4	22.8	35.0
1990	19	127.2	20.3	50.6
1990	20	211.1	20.0	65.2
1990	21	269.3	24.2	79.7
1990	22	479.9	29.9	80.4
1990	23	726.2	36.7	37.7
1990	24	647.7	27.2	17.5
1990	25	517.0	27.7	19.6
1990	26	523.6	32.8	17.4
1990	27	655.8	24.4	11.0
1990	28	581.9	20.7	8.7
1990	29	519.7	17.9	6.9
1990	30	575.0	9.6	7.0
1990	31	571.1	9.6	12.4
1990	32	586.1	9.4	19.3
1990	33	676.7	6.4	15.2
1990	34	603.8	12.6	23.0
1990	35	534.2	9.2	23.4
1990	36	491.5	8.0	30.1
1990	37	466.2	8.0	41.4
1990	38	524.8	11.2	44.3
1990	39	611.7	9.6	50.9
1990	40	419.7	7.8	34.2
1990	41	342.4	6.7	25.0
1990	42	304.1	5.7	4.6
1990	43	306.6	5.3	11.9
1990	44	200.7	2.0	9.6
1990	45	144.9	4.5	6.5
1990	46	172.7	6.4	10.4
1990	47	137.8	5.6	9.0
1990	48	126.3	2.0	7.9
1990	49	143.4	2.2	11.6
1990	50	111.0	6.4	6.5
1990	51	102.3	6.8	9.2
1990	52	95.9	4.9	5.4
1991	1	82.2	3.9	13.3
1991	2	93.3	3.7	13.3
1991	3	92.0	-1.9	8.8
1991	4	63.0	5.1	7.1
1991	5	90.5	5.1	15.6
1991	6	81.5	6.4	12.4
1991	7	69.2	6.1	4.2
1991	8	72.2	6.0	1.8

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1991	9	76.0	7.1	1.3
1991	10	71.0	4.6	8.1
1991	11	63.6	4.4	6.6
1991	12	49.5	6.0	6.1
1991	13	47.9	4.7	9.3
1991	14	36.7	0.7	4.2
1991	15	46.0	1.9	-0.7
1991	16	52.3	4.5	8.3
1991	17	51.3	11.8	23.1
1991	18	59.7	25.5	78.0
1991	19	93.4	25.7	99.8
1991	20	154.8	20.3	78.4
1991	21	254.0	15.6	80.1
1991	22	293.8	16.5	71.3
1991	23	264.0	30.8	72.6
1991	24	315.6	28.3	63.4
1991	25	538.3	23.9	43.8
1991	26	756.0	24.7	26.5
1991	27	643.3	31.5	29.5
1991	28	517.2	38.6	29.7
1991	29	486.4	48.8	40.2
1991	30	502.3	48.8	34.0
1991	31	507.9	39.6	28.8
1991	32	477.3	31.4	31.7
1991	33	592.3	25.3	19.8
1991	34	571.2	28.5	14.2
1991	35	494.8	27.3	10.4
1991	36	516.7	41.3	18.3
1991	37	512.2	43.7	20.8
1991	38	503.6	30.7	26.2
1991	39	455.3	20.4	20.6
1991	40	405.2	34.6	19.5
1991	41	428.3	19.3	24.3
1991	42	367.4	11.3	12.5
1991	43	289.4	7.9	-5.5
1991	44	240.1	17.2	3.2
1991	45	222.3	12.3	3.8
1991	46	196.0	8.7	5.7
1991	47	184.1	10.2	7.8
1991	48	163.8	8.4	5.5
1991	49	158.9	11.2	7.5
1991	50	143.3	8.6	7.2
1991	51	153.0	10.5	8.0
1991	52	124.3	5.6	6.6

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1992	1	115.4	6.5	1.9
1992	2	116.7	6.1	5.7
1992	3	118.6	8.6	1.4
1992	4	102.4	4.7	7.3
1992	5	99.7	3.6	7.4
1992	6	80.1	1.4	0.9
1992	7	67.4	4.0	3.1
1992	8	100.7	9.3	3.8
1992	9	120.8	-0.8	7.7
1992	10	140.5	4.5	-2.7
1992	11	109.7	1.8	2.8
1992	12	85.5	1.3	5.1
1992	13	34.6	2.4	2.4
1992	14	58.5	5.3	-0.8
1992	15	49.0	4.7	1.5
1992	16	52.8	4.9	2.3
1992	17	77.5	7.8	5.1
1992	18	100.9	13.0	16.5
1992	19	133.5	17.8	26.5
1992	20	130.7	17.9	29.0
1992	21	199.4	37.2	92.4
1992	22	401.8	55.9	200.3
1992	23	504.5	42.3	178.3
1992	24	732.4	36.7	147.5
1992	25	756.2	39.3	119.3
1992	26	691.3	32.6	83.3
1992	27	982.7	32.2	46.1
1992	28	793.5	46.6	40.3
1992	29	641.0	57.7	45.7
1992	30	600.0	43.6	35.9
1992	31	577.8	35.3	6.4
1992	32	580.6	29.5	17.5
1992	33	543.1	29.8	19.5
1992	34	512.9	23.0	24.0
1992	35	431.9	29.1	24.0
1992	36	364.5	29.5	31.9
1992	37	304.4	21.6	27.1
1992	38	305.7	21.1	17.8
1992	39	322.2	16.1	21.9
1992	40	266.9	20.8	9.2
1992	41	179.8	13.6	9.6
1992	42	183.0	9.5	9.2
1992	43	181.5	8.8	9.2
1992	44	168.8	6.8	9.3

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1992	45	158.9	7.6	3.2
1992	46	115.9	8.4	7.9
1992	47	127.5	5.4	9.8
1992	48	115.2	5.9	3.9
1992	49	92.5	3.5	7.0
1992	50	93.2	3.5	5.5
1992	51	78.6	3.5	1.2
1992	52	105.4	1.1	2.5
1993	1	89.7	5.1	4.3
1993	2	67.3	11.0	1.2
1993	3	73.6	3.8	2.2
1993	4	65.3	9.9	-1.3
1993	5	125.2	4.2	3.1
1993	6	88.1	3.4	2.7
1993	7	74.8	4.5	2.2
1993	8	90.3	5.7	3.9
1993	9	72.5	3.8	4.3
1993	10	51.9	3.4	0.9
1993	11	38.8	2.6	-2.5
1993	12	59.8	2.7	1.8
1993	13	46.6	2.6	-0.2
1993	14	25.6	3.7	-0.3
1993	15	18.9	2.3	-0.4
1993	16	12.7	5.4	2.1
1993	17	63.5	11.4	8.3
1993	18	102.2	13.9	35.7
1993	19	123.7	11.8	65.0
1993	20	319.0	21.8	128.3
1993	21	547.6	23.5	121.0
1993	22	777.6	34.9	125.6
1993	23	831.5	22.9	96.1
1993	24	719.5	19.9	57.0
1993	25	661.8	17.3	41.6
1993	26	560.7	11.5	31.3
1993	27	522.3	14.9	31.7
1993	28	560.4	19.5	32.7
1993	29	660.9	15.7	18.7
1993	30	600.5	16.1	17.9
1993	31	597.3	20.5	11.0
1993	32	553.1	15.1	12.7
1993	33	509.5	12.6	10.6
1993	34	456.4	19.3	8.3
1993	35	461.6	11.4	19.0
1993	36	482.7	15.7	13.3

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1993	37	421.3	15.0	12.8
1993	38	387.0	8.1	9.3
1993	39	421.0	11.8	13.0
1993	40	464.2	13.5	8.9
1993	41	416.9	11.8	8.8
1993	42	355.0	8.8	7.7
1993	43	308.9	6.7	8.3
1993	44	257.4	8.2	-0.6
1993	45	256.1	6.7	6.2
1993	46	171.0	6.1	1.4
1993	47	178.6	4.2	8.9
1993	48	162.2	5.8	8.9
1993	49	142.1	4.8	11.2
1993	50	127.9	6.6	6.6
1993	51	121.0	5.4	7.5
1993	52	100.2	2.8	3.8
1994	1	78.1	3.1	1.8
1994	2	96.0	5.9	2.5
1994	3	106.6	4.0	2.2
1994	4	100.7	3.6	1.6
1994	5	72.6	2.9	4.4
1994	6	52.1	1.7	5.2
1994	7	90.7	1.5	2.7
1994	8	84.1	2.1	2.2
1994	9	101.9	2.0	1.3
1994	10	98.1	1.4	1.6
1994	11	41.8	2.9	2.8
1994	12	47.8	1.6	2.6
1994	13	51.3	1.6	3.1
1994	14	24.6	3.5	-0.9
1994	15	32.7	4.1	4.2
1994	16	30.7	7.5	3.1
1994	17	80.1	12.2	20.4
1994	18	114.7	12.4	44.4
1994	19	123.7	12.4	50.4
1994	20	181.3	9.2	70.7
1994	21	286.5	11.7	85.5
1994	22	307.5	9.5	61.3
1994	23	356.3	9.7	58.2
1994	24	550.4	9.6	49.1
1994	25	698.7	6.4	40.6
1994	26	623.0	10.6	45.5
1994	27	603.2	8.7	27.9
1994	28	569.3	7.1	19.1

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1994	29	574.0	1.3	15.4
1994	30	556.9	9.8	13.3
1994	31	634.4	3.9	12.9
1994	32	680.9	1.8	7.4
1994	33	642.7	1.5	5.9
1994	34	554.8	1.4	8.5
1994	35	477.7	1.6	7.7
1994	36	413.7	1.4	7.3
1994	37	430.4	1.8	8.1
1994	38	471.4	1.9	8.6
1994	39	451.3	1.8	12.4
1994	40	487.8	2.7	13.6
1994	41	468.3	3.2	15.1
1994	42	371.4	-0.3	12.4
1994	43	301.1	1.6	3.3
1994	44	244.1	-1.7	5.4
1994	45	192.7	0.3	6.0
1994	46	185.7	-0.1	4.4
1994	47	137.5	2.4	4.5
1994	48	120.6	3.2	7.1
1994	49	134.9	1.8	5.1
1994	50	121.1	1.0	7.3
1994	51	127.6	-1.5	-0.1
1994	52	63.9	2.5	7.6
1995	1	89.2	0.5	4.6
1995	2	89.4	0.6	4.8
1995	3	98.7	-0.9	4.2
1995	4	80.1	0.0	2.4
1995	5	83.0	-0.7	4.1
1995	6	58.7	2.1	4.1
1995	7	38.0	1.0	3.3
1995	8	72.9	1.5	4.8
1995	9	61.7	0.3	3.7
1995	10	41.4	0.6	4.3
1995	11	39.8	0.7	3.8
1995	12	30.1	1.8	-0.8
1995	13	86.3	2.7	2.8
1995	14	-14.5	0.8	1.9
1995	15	26.5	-0.9	-1.7
1995	16	44.9	3.7	3.1
1995	17	94.4	7.7	23.4
1995	18	117.5	11.2	51.6
1995	19	239.4	14.1	67.2
1995	20	404.4	14.7	64.4

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1995	21	319.8	5.2	34.0
1995	22	377.8	10.5	24.8
1995	23	308.4	10.1	25.3
1995	24	537.5	6.3	29.8
1995	25	479.5	4.9	28.7
1995	26	476.2	9.1	21.5
1995	27	499.5	13.7	20.3
1995	28	548.3	3.6	16.8
1995	29	501.9	10.5	16.8
1995	30	495.9	7.5	20.0
1995	31	427.2	6.4	27.9
1995	32	438.2	7.9	35.7
1995	33	430.5	8.7	25.1
1995	34	440.0	8.3	27.6
1995	35	446.4	9.0	26.8
1995	36	584.0	6.0	28.6
1995	37	467.4	11.1	30.2
1995	38	387.1	7.7	33.5
1995	39	398.6	1.1	17.6
1995	40	346.3	6.8	24.5
1995	41	262.8	3.0	18.7
1995	42	247.8	2.0	16.7
1995	43	194.9	0.7	13.8
1995	44	138.1	5.6	6.1
1995	45	147.9	-1.8	4.5
1995	46	158.6	3.7	9.9
1995	47	118.2	8.0	2.4
1995	48	82.0	-0.3	7.1
1995	49	97.2	3.4	1.3
1995	50	116.5	3.4	4.4
1995	51	102.1	2.3	5.5
1995	52	84.9	7.7	3.5
1996	1	81.9	3.0	3.4
1996	2	64.9	-3.8	4.8
1996	3	54.9	4.6	4.1
1996	4	41.9	2.4	1.2
1996	5	88.8	0.7	3.2
1996	6	78.2	-30.2	3.0
1996	7	57.0	40.5	3.0
1996	8	11.8	0.1	3.0
1996	9	37.5	-2.0	1.6
1996	10	65.1	3.2	1.7
1996	11	55.4	4.7	3.7
1996	12	47.4	2.3	0.2

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1996	13	7.4	3.7	-0.2
1996	14	76.6	3.5	4.0
1996	15	2.9	3.8	1.0
1996	16	35.8	4.2	2.8
1996	17	76.7	8.6	11.5
1996	18	75.5	13.1	17.9
1996	19	78.1	9.1	17.0
1996	20	53.4	47.2	21.7
1996	21	200.0	-28.7	61.0
1996	22	235.1	11.7	81.4
1996	23	376.8	3.3	67.8
1996	24	325.9	8.1	79.2
1996	25	437.7	-1.7	33.1
1996	26	622.0	20.0	19.1
1996	27	468.2	11.3	16.9
1996	28	437.8	21.1	30.8
1996	29	448.0	13.5	32.3
1996	30	454.6	13.5	17.5
1996	31	429.9	21.4	10.3
1996	32	392.3	11.5	14.4
1996	33	392.9	1.1	14.7
1996	34	438.1	21.0	20.9
1996	35	470.7	13.7	23.9
1996	36	378.9	1.8	22.8
1996	37	327.1	9.0	29.1
1996	38	274.3	0.2	31.5
1996	39	250.0	6.9	23.0
1996	40	252.4	8.0	15.1
1996	41	220.4	5.4	15.2
1996	42	159.1	2.9	7.5
1996	43	160.2	-6.9	8.0
1996	44	156.7	4.8	12.7
1996	45	103.6	3.7	5.4
1996	46	82.4	5.1	0.3
1996	47	100.2	8.3	6.1
1996	48	95.5	2.5	9.7
1996	49	84.9	22.7	6.0
1996	50	77.4	-12.6	8.1
1996	51	68.2	5.6	4.1
1996	52	44.6	-3.0	8.5
1997	1	39.8	7.0	4.3
1997	2	78.9	3.4	7.0
1997	3	49.4	5.5	5.4
1997	4	36.1	1.9	5.1

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1997	5	62.5	-2.8	4.7
1997	6	40.3	6.2	-0.7
1997	7	39.3	5.0	3.5
1997	8	43.3	0.8	8.5
1997	9	3.1	-5.1	0.9
1997	10	37.5	4.0	2.0
1997	11	54.2	3.3	2.3
1997	12	26.6	2.5	5.6
1997	13	44.1	2.2	5.0
1997	14	21.3	3.4	4.4
1997	15	13.8	2.2	4.4
1997	16	19.8	0.9	8.2
1997	17	81.1	5.8	14.3
1997	18	76.7	12.1	39.0
1997	19	90.5	12.8	60.3
1997	20	183.8	23.3	105.3
1997	21	291.6	23.4	99.0
1997	22	309.2	22.8	74.0
1997	23	503.5	20.7	91.6
1997	24	460.2	19.5	73.4
1997	25	489.5	24.8	53.0
1997	26	643.1	18.5	35.8
1997	27	627.3	9.7	28.4
1997	28	556.4	20.7	35.6
1997	29	489.5	6.9	47.3
1997	30	518.3	30.1	67.7
1997	31	501.8	20.4	54.6
1997	32	565.7	18.8	37.8
1997	33	592.6	29.5	34.0
1997	34	536.7	14.4	32.5
1997	35	512.4	14.2	24.1
1997	36	500.4	13.5	27.7
1997	37	436.4	7.5	26.3
1997	38	420.8	5.8	23.0
1997	39	453.7	17.6	19.6
1997	40	356.3	6.3	18.4
1997	41	269.4	2.1	18.6
1997	42	227.8	2.6	15.1
1997	43	191.9	6.0	11.7
1997	44	222.2	6.5	7.0
1997	45	150.1	4.6	7.7
1997	46	117.8	5.0	5.8
1997	47	117.7	3.0	5.2
1997	48	132.7	5.0	7.6

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1997	49	107.1	3.6	5.3
1997	50	107.0	8.7	7.1
1997	51	104.0	5.7	9.1
1997	52	60.7	8.3	7.1
1998	1	50.7	6.8	5.2
1998	2	80.0	7.2	8.3
1998	3	79.6	5.5	6.3
1998	4	65.8	4.8	5.8
1998	5	65.9	3.0	0.1
1998	6	53.9	-1.2	4.3
1998	7	63.0	1.2	6.6
1998	8	50.7	1.4	5.3
1998	9	19.6	2.5	4.7
1998	10	25.3	1.8	4.9
1998	11	53.7	0.0	6.9
1998	12	32.5	2.1	4.1
1998	13	37.4	1.8	1.5
1998	14	4.2	2.1	2.6
1998	15	29.6	1.4	4.8
1998	16	35.4	8.4	5.0
1998	17	54.7	6.2	11.9
1998	18	69.8	10.6	20.6
1998	19	61.8	8.4	26.0
1998	20	46.2	5.7	40.0
1998	21	202.3	16.2	64.8
1998	22	511.5	18.5	59.3
1998	23	744.7	13.5	40.6
1998	24	564.2	14.8	32.4
1998	25	409.8	13.1	28.6
1998	26	434.9	5.4	22.7
1998	27	513.9	1.0	14.5
1998	28	434.1	4.4	8.4
1998	29	423.1	-2.1	8.1
1998	30	425.9	8.7	5.6
1998	31	466.5	-5.1	4.9
1998	32	384.4	4.2	4.5
1998	33	409.0	3.5	7.3
1998	34	396.2	-3.3	8.3
1998	35	455.2	1.7	8.2
1998	36	400.0	0.5	7.5
1998	37	256.8	1.1	14.3
1998	38	302.4	1.2	12.4
1998	39	229.8	7.1	5.2
1998	40	197.7	2.4	4.9

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1998	41	190.7	-4.2	8.7
1998	42	239.5	0.0	11.7
1998	43	261.9	4.2	2.4
1998	44	250.6	-0.4	1.2
1998	45	158.3	-0.4	2.9
1998	46	127.4	-0.7	2.8
1998	47	120.1	0.2	7.2
1998	48	94.2	-1.3	4.1
1998	49	97.5	1.0	5.6
1998	50	98.6	1.4	2.7
1998	51	82.1	0.2	3.1
1998	52	56.1	2.2	2.7
1999	1	75.2	3.5	4.0
1999	2	87.8	1.5	8.2
1999	3	43.6	1.5	2.7
1999	4	58.4	4.2	5.6
1999	5	47.2	2.0	4.1
1999	6	56.0	-0.4	5.1
1999	7	66.4	-0.5	2.1
1999	8	51.5	0.8	1.3
1999	9	21.0	1.0	2.3
1999	10	46.3	-1.0	5.2
1999	11	44.4	-1.4	2.4
1999	12	23.5	1.6	2.1
1999	13	20.0	-0.6	3.9
1999	14	1.5	2.7	0.4
1999	15	22.1	-0.7	7.0
1999	16	36.5	1.3	8.8
1999	17	32.8	2.2	6.9
1999	18	56.3	8.4	23.8
1999	19	68.6	7.0	53.1
1999	20	79.2	12.0	57.1
1999	21	158.3	8.6	62.4
1999	22	177.3	19.4	76.2
1999	23	291.4	29.8	85.8
1999	24	587.2	25.4	65.2
1999	25	766.5	29.2	34.8
1999	26	528.8	35.6	23.5
1999	27	520.7	17.7	15.0
1999	28	470.4	19.2	14.5
1999	29	523.8	16.9	19.8
1999	30	446.6	16.4	34.7
1999	31	471.9	10.3	24.3
1999	32	532.4	10.6	18.0

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
1999	33	469.1	6.3	20.9
1999	34	386.4	12.6	24.2
1999	35	367.7	1.4	34.4
1999	36	350.9	16.0	37.2
1999	37	340.8	-0.3	33.2
1999	38	383.9	4.3	38.0
1999	39	276.2	6.3	32.3
1999	40	255.3	3.6	23.0
1999	41	218.6	3.2	18.3
1999	42	209.6	2.2	20.2
1999	43	204.7	5.1	19.9
1999	44	189.7	2.7	9.0
1999	45	152.6	2.6	6.6
1999	46	159.7	3.7	6.4
1999	47	109.8	4.1	3.4
1999	48	109.2	2.7	6.7
1999	49	115.8	4.8	5.4
1999	50	98.2	2.9	5.2
1999	51	112.0	1.6	8.0
1999	52	141.8	5.1	5.4
2000	1	138.1	2.2	4.1
2000	2	82.9	1.7	3.2
2000	3	98.8	0.8	2.4
2000	4	109.0	0.8	2.6
2000	5	87.7	3.2	3.7
2000	6	64.3	2.9	6.7
2000	7	72.1	1.4	6.9
2000	8	57.3	3.4	4.7
2000	9	46.9	2.3	3.3
2000	10	32.3	2.9	3.4
2000	11	51.2	1.3	3.4
2000	12	42.4	1.2	3.3
2000	13	32.5	3.3	3.3
2000	14	19.5	3.3	2.9
2000	15	29.0	2.6	0.7
2000	16	47.5	0.6	2.1
2000	17	50.5	4.9	4.1
2000	18	64.2	6.0	22.6
2000	19	65.6	13.1	49.1
2000	20	119.0	14.3	42.8
2000	21	138.3	19.1	65.8
2000	22	254.4	24.5	88.0
2000	23	412.6	30.0	109.3
2000	24	649.2	34.0	100.2

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2000	25	530.1	43.5	57.6
2000	26	695.4	39.2	44.7
2000	27	779.3	33.1	41.5
2000	28	693.1	55.4	37.2
2000	29	579.1	51.2	32.4
2000	30	565.8	45.9	40.3
2000	31	530.4	43.6	50.9
2000	32	544.1	35.6	39.8
2000	33	533.7	66.2	40.1
2000	34	480.8	79.6	46.2
2000	35	401.5	59.9	38.7
2000	36	412.5	60.7	29.8
2000	37	390.9	55.0	37.1
2000	38	430.2	49.5	43.8
2000	39	401.2	44.4	38.5
2000	40	403.5	28.1	31.9
2000	41	364.9	21.3	36.1
2000	42	286.2	18.3	27.5
2000	43	219.0	21.1	19.2
2000	44	207.1	13.4	17.7
2000	45	186.0	8.5	16.7
2000	46	156.6	7.1	15.2
2000	47	163.5	9.1	11.6
2000	48	127.5	8.3	6.4
2000	49	139.2	6.9	7.3
2000	50	96.9	6.2	6.5
2000	51	106.5	5.2	5.5
2000	52	123.4	4.5	5.3
2001	1	117.4	4.2	6.2
2001	2	78.9	0.8	4.9
2001	3	82.6	4.8	3.7
2001	4	88.3	7.8	4.1
2001	5	80.5	5.0	5.7
2001	6	64.6	4.5	4.9
2001	7	67.3	4.4	5.3
2001	8	70.2	0.9	4.1
2001	9	64.9	5.1	2.9
2001	10	72.7	0.3	4.7
2001	11	30.8	3.9	4.0
2001	12	41.6	0.9	3.1
2001	13	26.9	1.1	3.7
2001	14	17.1	1.5	3.3
2001	15	17.6	0.7	1.8
2001	16	13.0	2.1	2.0

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2001	17	35.8	3.7	4.0
2001	18	31.2	2.7	8.1
2001	19	31.2	6.0	17.9
2001	20	70.0	7.1	54.8
2001	21	78.4	15.2	74.9
2001	22	326.6	27.9	111.1
2001	23	424.6	26.4	164.2
2001	24	656.2	33.0	129.5
2001	25	740.0	31.1	74.5
2001	26	636.5	22.3	41.1
2001	27	634.3	19.6	45.1
2001	28	441.0	20.2	51.6
2001	29	567.1	16.6	42.9
2001	30	586.2	47.8	38.2
2001	31	493.2	49.3	39.2
2001	32	486.0	37.0	28.3
2001	33	483.3	28.5	27.8
2001	34	457.6	21.6	19.7
2001	35	433.8	19.8	30.7
2001	36	357.9	19.2	44.4
2001	37	420.9	12.5	43.5
2001	38	399.3	15.7	37.2
2001	39	339.6	15.7	31.9
2001	40	284.9	12.1	23.4
2001	41	214.1	13.2	22.3
2001	42	210.4	7.3	20.0
2001	43	180.7	7.8	14.4
2001	44	156.8	4.6	14.4
2001	45	134.4	5.3	18.9
2001	46	135.0	4.6	20.7
2001	47	106.7	6.9	6.0
2001	48	88.7	5.7	0.2
2001	49	118.6	6.1	3.6
2001	50	100.3	4.5	4.2
2001	51	108.0	1.6	3.9
2001	52	88.3	5.7	3.5
2002	1	101.7	2.3	4.8
2002	2	70.9	5.6	3.9
2002	3	71.5	6.1	7.3
2002	4	67.3	3.6	7.8
2002	5	83.2	3.9	6.3
2002	6	96.1	1.1	6.4
2002	7	61.7	6.0	6.2
2002	8	57.8	1.7	3.8

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2002	9	39.2	2.7	4.3
2002	10	44.9	2.8	3.3
2002	11	38.8	1.2	3.1
2002	12	65.3	1.6	2.9
2002	13	10.3	3.3	3.7
2002	14	14.1	1.9	2.7
2002	15	22.4	1.7	3.6
2002	16	10.5	5.1	3.1
2002	17	15.2	4.2	5.1
2002	18	34.4	8.1	12.2
2002	19	58.2	19.5	32.7
2002	20	108.9	33.5	63.1
2002	21	297.7	30.5	79.5
2002	22	438.8	23.2	56.3
2002	23	447.0	17.9	41.4
2002	24	476.2	16.3	36.1
2002	25	513.3	10.9	30.2
2002	26	432.1	11.0	23.1
2002	27	404.6	10.8	26.2
2002	28	390.7	13.6	35.8
2002	29	449.3	5.3	30.4
2002	30	495.4	23.8	31.2
2002	31	413.1	2.3	28.1
2002	32	470.1	11.2	30.7
2002	33	486.8	7.4	36.0
2002	34	482.4	14.9	64.5
2002	35	523.5	14.2	62.1
2002	36	446.2	3.8	39.8
2002	37	351.7	5.1	28.4
2002	38	338.4	8.4	21.8
2002	39	291.6	3.3	20.5
2002	40	263.0	6.2	19.5
2002	41	215.4	3.5	18.9
2002	42	257.0	4.8	22.8
2002	43	260.3	3.5	20.4
2002	44	186.1	3.4	13.9
2002	45	150.6	4.7	11.2
2002	46	162.7	1.2	11.0
2002	47	145.3	-2.6	10.0
2002	48	165.7	7.7	9.7
2002	49	140.6	0.9	9.2
2002	50	118.9	2.4	12.3
2002	51	106.0	0.9	9.5
2002	52	90.5	2.3	9.8

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2003	1	92.8	1.1	7.7
2003	2	81.8	0.5	7.4
2003	3	90.6	2.1	8.2
2003	4	87.6	3.0	5.4
2003	5	88.9	1.7	5.8
2003	6	60.7	3.2	7.9
2003	7	50.4	4.0	8.1
2003	8	63.8	1.6	6.0
2003	9	50.3	6.4	7.4
2003	10	30.3	1.6	6.1
2003	11	73.1	2.5	6.1
2003	12	43.4	2.5	7.4
2003	13	27.7	3.3	5.2
2003	14	46.8	2.2	2.5
2003	15	32.3	2.4	1.6
2003	16	24.8	3.3	2.9
2003	17	51.2	8.6	21.7
2003	18	69.4	7.0	36.5
2003	19	77.1	5.0	28.2
2003	20	67.3	5.6	38.3
2003	21	140.7	6.1	70.7
2003	22	194.2	7.3	79.2
2003	23	292.4	11.2	70.3
2003	24	458.4	7.4	52.1
2003	25	423.6	22.4	33.4
2003	26	361.7	21.9	30.2
2003	27	450.4	25.7	32.6
2003	28	537.5	14.3	20.6
2003	29	533.3	17.6	15.0
2003	30	478.3	11.2	9.7
2003	31	444.8	14.9	6.9
2003	32	433.4	2.4	8.4
2003	33	500.2	10.4	21.2
2003	34	403.4	6.5	23.6
2003	35	383.0	6.2	23.5
2003	36	400.8	9.0	33.6
2003	37	356.4	5.0	26.1
2003	38	329.1	0.1	16.3
2003	39	308.7	4.5	16.0
2003	40	317.3	6.6	16.8
2003	41	272.7	5.7	16.4
2003	42	216.8	2.1	11.5
2003	43	193.4	6.9	7.0
2003	44	188.3	-0.2	4.7

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2003	45	158.6	1.6	9.5
2003	46	120.5	2.8	9.6
2003	47	128.4	2.0	11.0
2003	48	131.3	4.3	13.1
2003	49	107.7	0.0	7.5
2003	50	106.1	3.2	7.3
2003	51	124.0	3.6	7.3
2003	52	70.6	4.2	8.4
2004	1	69.8	-1.8	7.1
2004	2	101.6	4.1	9.6
2004	3	86.3	0.3	11.7
2004	4	47.2	-1.9	9.4
2004	5	86.1	-1.9	7.8
2004	6	75.9	0.8	9.7
2004	7	67.0	0.9	8.3
2004	8	47.9	1.5	4.0
2004	9	38.1	1.4	3.2
2004	10	79.0	2.8	4.2
2004	11	12.5	1.6	3.7
2004	12	46.6	-0.5	4.2
2004	13	47.8	-0.7	5.8
2004	14	30.4	-0.1	5.6
2004	15	31.6	2.0	4.2
2004	16	30.6	6.2	5.5
2004	17	69.0	6.8	7.0
2004	18	91.9	21.1	15.4
2004	19	127.6	31.2	29.3
2004	20	291.5	28.7	92.5
2004	21	456.2	24.7	124.7
2004	22	455.8	26.1	127.4
2004	23	575.6	20.4	80.8
2004	24	595.5	21.7	54.9
2004	25	660.1	16.9	37.6
2004	26	711.1	13.1	21.0
2004	27	579.7	13.4	6.9
2004	28	565.5	8.6	7.1
2004	29	580.2	4.7	5.6
2004	30	540.0	13.4	7.6
2004	31	597.1	8.8	10.1
2004	32	601.6	7.6	7.7
2004	33	576.0	7.2	5.3
2004	34	537.5	4.3	3.9
2004	35	473.0	9.5	3.3
2004	36	373.7	3.9	4.5

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2004	37	311.1	11.7	4.8
2004	38	319.4	-2.2	10.7
2004	39	330.9	6.2	8.5
2004	40	358.0	8.8	8.7
2004	41	281.6	5.7	12.2
2004	42	232.4	3.6	7.2
2004	43	257.9	1.1	6.6
2004	44	174.3	5.6	11.2
2004	45	140.8	-2.6	9.7
2004	46	146.0	3.8	12.4
2004	47	137.7	4.4	10.6
2004	48	132.0	4.6	12.7
2004	49	97.2	2.6	9.6
2004	50	121.1	1.9	5.0
2004	51	108.5	2.9	7.6
2004	52	74.4	2.3	5.7
2005	1	101.5	1.9	4.0
2005	2	61.0	0.9	2.3
2005	3	111.8	-0.4	2.0
2005	4	89.6	2.3	3.1
2005	5	60.8	3.4	3.1
2005	6	89.2	-0.5	2.0
2005	7	66.1	0.5	2.6
2005	8	58.6	0.7	4.4
2005	9	65.2	2.1	4.1
2005	10	54.3	3.2	3.8
2005	11	20.9	2.1	4.6
2005	12	19.9	0.0	4.8
2005	13	39.7	4.3	5.4
2005	14	36.4	1.8	4.1
2005	15	58.8	3.7	3.2
2005	16	47.9	2.4	4.3
2005	17	67.0	13.7	13.7
2005	18	126.1	15.8	47.9
2005	19	258.2	13.2	117.3
2005	20	449.5	15.8	156.5
2005	21	470.7	8.2	117.0
2005	22	500.8	16.9	79.1
2005	23	539.4	14.7	59.0
2005	24	552.1	18.4	49.9
2005	25	638.2	23.1	32.4
2005	26	600.9	23.1	24.3
2005	27	580.0	23.7	21.6
2005	28	542.9	14.9	21.0

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2005	29	513.2	24.4	21.9
2005	30	512.0	16.1	27.8
2005	31	466.1	18.1	41.4
2005	32	495.9	15.2	37.1
2005	33	614.1	12.4	30.7
2005	34	535.1	12.0	34.0
2005	35	497.4	5.6	30.4
2005	36	458.6	13.8	29.0
2005	37	454.7	11.5	31.0
2005	38	414.1	10.5	32.6
2005	39	325.3	12.7	37.2
2005	40	281.9	9.3	33.8
2005	41	274.7	11.1	29.6
2005	42	210.1	1.2	22.9
2005	43	172.4	10.7	15.4
2005	44	113.5	5.8	12.0
2005	45	157.5	5.6	5.3
2005	46	181.5	-2.4	6.0
2005	47	235.3	9.1	8.1
2005	48	174.4	2.5	6.3
2005	49	160.4	3.6	6.1
2005	50	126.2	2.5	4.8
2005	51	118.2	5.1	8.1
2005	52	97.4	3.9	6.0
2006	1	95.4	1.4	4.8
2006	2	86.9	2.3	4.9
2006	3	92.8	0.5	5.9
2006	4	64.9	2.4	5.4
2006	5	85.3	2.0	4.5
2006	6	78.8	-0.3	3.8
2006	7	55.4	4.0	2.8
2006	8	57.3	1.5	3.7
2006	9	60.6	1.1	3.3
2006	10	28.8	5.4	2.8
2006	11	35.4	-3.2	2.3
2006	12	97.1	3.6	2.2
2006	13	52.4	-0.1	2.2
2006	14	44.7	1.5	3.3
2006	15	54.9	2.5	4.3
2006	16	33.5	-2.0	6.3
2006	17	-29.0	5.1	6.8
2006	18	48.6	1.4	8.7
2006	19	44.0	6.9	28.0
2006	20	106.7	15.1	66.4

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2006	21	228.5	26.7	87.8
2006	22	398.0	25.5	90.8
2006	23	537.0	20.7	73.2
2006	24	884.4	22.3	65.5
2006	25	751.7	13.7	58.1
2006	26	476.3	26.2	46.1
2006	27	579.5	19.6	36.6
2006	28	597.6	22.6	34.2
2006	29	523.5	12.7	24.7
2006	30	571.3	16.8	17.6
2006	31	495.7	12.0	11.4
2006	32	475.8	13.0	11.8
2006	33	467.4	4.1	15.6
2006	34	454.6	13.2	18.7
2006	35	442.4	9.0	29.2
2006	36	449.6	3.2	30.0
2006	37	327.4	6.0	26.8
2006	38	358.4	5.0	24.3
2006	39	398.3	4.7	28.2
2006	40	314.3	-2.1	29.2
2006	41	311.8	9.2	26.8
2006	42	300.5	-2.4	22.6
2006	43	219.0	6.1	22.5
2006	44	198.9	-1.1	16.8
2006	45	177.9	-0.5	17.5
2006	46	139.0	2.4	18.8
2006	47	135.2	2.0	14.1
2006	48	141.5	-0.4	18.2
2006	49	149.1	0.9	15.1
2006	50	108.7	3.7	10.7
2006	51	127.6	1.7	12.1
2006	52	123.9	-0.2	11.7
2007	1	92.4	5.8	11.3
2007	2	95.2	-1.8	8.8
2007	3	100.7	1.3	8.7
2007	4	79.6	2.1	5.2
2007	5	79.3	0.1	6.3
2007	6	64.7	-0.9	7.8
2007	7	69.2	2.0	6.4
2007	8	29.0	0.3	5.6
2007	9	46.3	0.5	2.4
2007	10	114.7	3.1	5.4
2007	11	84.6	2.3	5.6
2007	12	83.3	2.1	6.4

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2007	13	47.6	-0.4	3.4
2007	14	57.1	-2.9	4.1
2007	15	9.8	1.6	5.5
2007	16	-13.9	1.5	6.5
2007	17	46.3	9.3	17.8
2007	18	89.0	12.4	40.3
2007	19	111.6	14.1	47.8
2007	20	146.1	23.3	42.8
2007	21	292.9	23.1	85.9
2007	22	445.4	18.0	101.6
2007	23	791.4	20.6	96.3
2007	24	884.6	23.7	58.2
2007	25	959.2	24.3	41.7
2007	26	695.2	36.6	79.9
2007	27	633.6	30.2	91.7
2007	28	738.2	27.7	71.5
2007	29	928.2	24.3	51.3
2007	30	705.3	23.6	44.5
2007	31	666.6	20.5	39.2
2007	32	680.5	22.0	35.3
2007	33	641.6	16.0	33.7
2007	34	552.3	21.6	35.2
2007	35	526.9	12.9	32.0
2007	36	488.6	7.2	35.3
2007	37	492.4	19.4	63.1
2007	38	417.3	14.7	57.3
2007	39	378.2	10.7	36.1
2007	40	315.5	22.1	35.7
2007	41	294.8	4.2	39.4
2007	42	282.1	13.3	20.8
2007	43	308.1	3.7	25.7
2007	44	199.6	4.9	26.4
2007	45	176.4	4.1	24.7
2007	46	153.2	4.6	22.8
2007	47	138.0	0.5	11.6
2007	48	102.4	3.8	11.5
2007	49	117.2	1.9	15.6
2007	50	106.9	7.9	15.8
2007	51	98.2	1.8	7.5
2007	52	73.7	4.1	0.9
2008	1	99.2	2.9	2.5
2008	2	94.5	4.2	2.3
2008	3	87.0	0.5	3.9
2008	4	46.8	1.8	4.0

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2008	5	56.3	2.6	2.3
2008	6	64.4	-0.6	1.6
2008	7	110.7	-2.1	4.2
2008	8	56.4	4.8	-1.5
2008	9	41.8	-1.5	-3.5
2008	10	63.4	-0.6	1.1
2008	11	42.5	1.7	-0.5
2008	12	50.6	2.1	-0.9
2008	13	31.5	-0.9	-2.2
2008	14	32.1	-2.0	0.8
2008	15	24.2	3.4	1.2
2008	16	-10.0	1.0	2.2
2008	17	51.8	1.7	5.8
2008	18	102.9	15.7	37.9
2008	19	101.1	14.9	75.8
2008	20	69.0	18.6	69.7
2008	21	274.9	24.9	101.6
2008	22	433.2	14.4	57.6
2008	23	409.4	23.3	31.3
2008	24	332.6	25.5	49.7
2008	25	489.8	34.0	25.8
2008	26	447.0	31.9	30.6
2008	27	560.2	21.1	34.3
2008	28	496.8	29.3	35.2
2008	29	473.3	22.7	42.6
2008	30	343.0	17.5	52.0
2008	31	398.2	16.1	43.2
2008	32	484.0	12.8	55.9
2008	33	531.5	13.2	53.7
2008	34	499.8	22.6	64.4
2008	35	427.8	36.0	70.6
2008	36	359.3	20.4	60.8
2008	37	334.6	19.2	74.8
2008	38	362.3	17.9	87.8
2008	39	293.5	11.4	80.8
2008	40	387.5	15.1	102.8
2008	41	279.1	3.4	84.0
2008	42	233.1	1.5	70.3
2008	43	201.8	7.9	34.9
2008	44	186.7	5.1	34.5
2008	45	146.5	3.9	32.7
2008	46	124.0	8.7	28.5
2008	47	144.3	4.9	18.1
2008	48	85.3	8.0	16.2

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2008	49	122.5	4.5	17.5
2008	50	81.1	7.9	11.4
2008	51	81.7	3.0	11.3
2008	52	97.6	8.2	12.5
2009	1	64.8	2.9	10.8
2009	2	116.1	-0.5	10.8
2009	3	81.8	6.8	13.1
2009	4	66.6	1.2	9.1
2009	5	106.5	3.2	11.4
2009	6	57.4	3.7	6.9
2009	7	65.1	-0.1	6.2
2009	8	52.8	2.8	6.3
2009	9	53.6	3.7	6.1
2009	10	36.1	2.8	5.4
2009	11	76.4	5.0	4.1
2009	12	82.1	-1.4	5.0
2009	13	51.2	3.0	6.6
2009	14	26.8	-0.6	5.5
2009	15	3.4	3.8	3.2
2009	16	17.2	2.6	7.0
2009	17	70.5	6.7	5.9
2009	18	202.8	56.0	60.7
2009	19	153.4	47.7	80.8
2009	20	163.4	28.5	40.2
2009	21	276.1	24.3	123.8
2009	22	323.9	24.3	123.3
2009	23	648.4	23.8	81.1
2009	24	805.9	25.5	66.0
2009	25	483.9	17.6	57.0
2009	26	358.8	19.3	55.1
2009	27	461.0	11.7	39.1
2009	28	578.0	13.0	34.6
2009	29	511.1	-0.6	30.8
2009	30	469.5	10.0	27.9
2009	31	556.7	0.8	26.5
2009	32	484.8	6.4	28.1
2009	33	508.7	8.7	29.7
2009	34	592.6	2.5	35.0
2009	35	596.3	6.4	33.3
2009	36	482.2	1.9	31.2
2009	37	472.3	5.9	32.4
2009	38	442.9	1.4	41.7
2009	39	375.1	6.8	41.9
2009	40	314.4	6.1	39.0

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2009	41	261.3	3.0	24.2
2009	42	290.8	0.3	26.5
2009	43	219.8	11.2	18.8
2009	44	254.5	-1.9	13.7
2009	45	171.0	0.3	13.0
2009	46	159.8	4.8	12.7
2009	47	149.4	-2.2	14.3
2009	48	142.2	1.4	15.0
2009	49	106.3	0.6	10.4
2009	50	101.6	0.8	12.2
2009	51	74.5	4.2	7.9
2009	52	72.6	0.4	9.1
2010	1	83.2	1.0	7.9
2010	2	103.0	1.8	10.6
2010	3	90.9	4.4	13.6
2010	4	71.3	0.3	12.6
2010	5	78.9	-0.4	12.3
2010	6	68.0	1.6	8.1
2010	7	65.6	0.9	7.7
2010	8	46.1	2.1	6.3
2010	9	61.7	-3.3	8.0
2010	10	44.4	3.3	6.9
2010	11	30.8	2.3	6.3
2010	12	39.0	-0.7	7.1
2010	13	38.3	4.3	9.5
2010	14	44.6	2.4	10.5
2010	15	54.5	0.2	12.0
2010	16	52.7	6.5	9.4
2010	17	71.5	10.6	23.8
2010	18	85.6	14.1	32.2
2010	19	89.3	8.7	27.2
2010	20	135.2	12.2	53.1
2010	21	298.5	11.8	55.8
2010	22	603.7	12.5	37.8
2010	23	681.9	8.3	35.8
2010	24	516.7	13.9	31.4
2010	25	467.2	8.2	29.3
2010	26	554.7	14.8	29.6
2010	27	441.8	11.0	38.4
2010	28	516.7	21.0	21.6
2010	29	446.9	13.3	27.5
2010	30	426.3	13.6	21.6
2010	31	496.4	9.7	15.1
2010	32	497.7	11.0	16.1

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2010	33	540.3	18.0	16.5
2010	34	461.5	10.5	13.1
2010	35	418.3	16.0	12.1
2010	36	400.8	23.0	12.4
2010	37	383.3	23.1	9.7
2010	38	323.3	18.1	8.7
2010	39	340.4	7.9	10.1
2010	40	301.9	19.0	10.7
2010	41	266.5	17.0	8.0
2010	42	230.4	9.9	11.6
2010	43	208.3	3.4	4.2
2010	44	190.9	7.4	-1.2
2010	45	156.0	5.3	8.4
2010	46	115.6	5.9	5.2
2010	47	140.9	9.9	13.5
2010	48	106.6	7.2	13.7
2010	49	121.6	8.5	12.1
2010	50	85.9	6.5	10.1
2010	51	82.8	4.5	9.4
2010	52	80.8	1.9	5.5
2011	1	69.6	10.1	6.4
2011	2	34.2	-0.6	6.1
2011	3	96.5	6.3	5.6
2011	4	77.4	3.2	7.8
2011	5	75.6	2.3	8.3
2011	6	48.2	-0.4	8.6
2011	7	3.3	4.1	8.1
2011	8	44.1	3.8	7.7
2011	9	23.2	2.6	7.2
2011	10	39.7	1.0	8.3
2011	11	77.7	6.9	4.9
2011	12	83.6	0.6	8.8
2011	13	60.6	3.8	7.2
2011	14	41.4	2.8	6.4
2011	15	-7.0	5.5	1.9
2011	16	19.9	2.7	5.6
2011	17	51.3	5.8	5.3
2011	18	90.6	10.3	19.4
2011	19	90.2	22.1	40.1
2011	20	91.2	33.3	88.1
2011	21	287.4	47.4	157.4
2011	22	596.2	45.2	95.7
2011	23	687.7	56.0	46.8
2011	24	488.6	44.6	31.5

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2011	25	500.3	36.2	40.3
2011	26	599.3	39.9	45.3
2011	27	419.8	33.7	68.7
2011	28	454.6	32.9	60.8
2011	29	508.2	34.2	107.4
2011	30	484.3	35.1	73.9
2011	31	430.5	32.0	59.0
2011	32	438.1	46.3	54.1
2011	33	493.2	43.6	68.0
2011	34	507.0	46.2	73.2
2011	35	429.0	35.7	62.4
2011	36	460.8	39.0	58.3
2011	37	425.1	22.8	54.9
2011	38	390.0	23.8	59.7
2011	39	349.0	15.6	65.1
2011	40	348.4	14.9	42.6
2011	41	271.3	12.7	34.0
2011	42	202.9	13.1	22.9
2011	43	208.5	9.2	19.2
2011	44	154.3	3.7	12.5
2011	45	148.7	7.0	14.9
2011	46	117.9	7.3	9.5
2011	47	144.6	7.1	16.4
2011	48	152.8	4.3	16.5
2011	49	98.2	10.5	14.2
2011	50	104.2	5.3	12.2
2011	51	114.0	5.3	12.4
2011	52	66.6	9.1	22.2
2012	1	114.7	3.7	11.6
2012	2	55.0	6.5	11.6
2012	3	22.7	-0.7	10.7
2012	4	79.0	6.4	11.6
2012	5	103.0	2.9	11.9
2012	6	97.6	1.0	10.3
2012	7	70.1	4.6	9.6
2012	8	42.6	6.0	11.0
2012	9	57.0	3.8	7.9
2012	10	62.7	6.9	11.2
2012	11	59.0	4.4	9.3
2012	12	45.5	4.1	9.0
2012	13	51.5	4.1	5.0
2012	14	31.0	3.4	8.1
2012	15	19.4	3.8	9.8
2012	16	70.7	6.5	9.5

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2012	17	61.8	12.4	13.6
2012	18	83.6	13.2	37.9
2012	19	68.4	13.9	48.5
2012	20	105.3	21.4	45.4
2012	21	202.2	32.1	95.4
2012	22	319.5	27.3	110.9
2012	23	591.4	40.0	132.6
2012	24	676.5	44.5	93.9
2012	25	765.4	40.5	76.8
2012	26	897.0	44.4	65.5
2012	27	521.6	45.4	68.1
2012	28	524.7	42.0	86.8
2012	29	639.8	37.5	72.6
2012	30	654.8	36.0	42.4
2012	31	535.8	30.9	32.4
2012	32	548.3	36.7	31.3
2012	33	500.8	24.7	32.5
2012	34	482.6	34.7	19.5
2012	35	440.6	29.5	25.4
2012	36	377.9	43.0	20.7
2012	37	416.8	22.3	19.4
2012	38	362.4	27.6	17.7
2012	39	383.2	26.2	14.5
2012	40	365.1	22.3	12.8
2012	41	323.2	16.1	11.2
2012	42	256.6	16.3	9.4
2012	43	215.3	8.9	9.0
2012	44	192.5	10.9	11.5
2012	45	177.4	9.0	12.3
2012	46	117.8	10.4	10.0
2012	47	160.1	9.6	12.0
2012	48	117.2	8.5	13.0
2012	49	132.2	10.5	13.2
2012	50	118.9	11.0	11.3
2012	51	74.3	8.8	8.7
2012	52	96.1	3.0	6.8
2013	1	86.3	9.6	7.6
2013	2	92.5	7.0	11.7
2013	3	78.6	9.4	8.6
2013	4	47.5	7.0	9.8
2013	5	98.5	7.0	10.7
2013	6	87.0	5.2	9.0
2013	7	63.2	5.5	9.7
2013	8	48.2	6.3	7.1

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2013	9	38.5	4.6	6.0
2013	10	55.3	5.2	5.1
2013	11	5.6	5.0	5.0
2013	12	61.1	3.2	7.9
2013	13	84.3	5.1	7.5
2013	14	29.1	0.9	9.1
2013	15	22.7	7.9	5.6
2013	16	12.9	7.8	6.9
2013	17	38.2	6.3	13.2
2013	18	110.2	7.8	18.6
2013	19	165.9	27.3	26.0
2013	20	146.0	32.8	78.2
2013	21	287.4	30.5	105.0
2013	22	659.3	41.6	174.4
2013	23	581.7	41.8	66.0
2013	24	673.1	30.8	59.8
2013	25	806.3	22.8	46.3
2013	26	815.9	13.5	44.0
2013	27	589.8	15.2	40.3
2013	28	503.8	14.4	31.4
2013	29	586.0	36.1	33.6
2013	30	584.9	57.6	41.1
2013	31	634.9	41.8	23.3
2013	32	571.9	34.4	21.8
2013	33	604.0	20.7	27.8
2013	34	466.2	31.1	34.4
2013	35	512.7	11.5	21.8
2013	36	602.8	16.4	25.8
2013	37	538.5	20.8	38.5
2013	38	471.0	17.8	50.4
2013	39	379.7	18.6	54.2
2013	40	352.4	12.7	58.4
2013	41	294.5	13.7	56.5
2013	42	314.7	13.9	52.9
2013	43	314.6	7.3	49.8
2013	44	239.8	14.1	44.5
2013	45	174.1	6.0	7.5
2013	46	131.6	4.0	9.7
2013	47	157.3	3.8	9.1
2013	48	114.3	7.6	12.2
2013	49	152.4	7.7	9.1
2013	50	122.0	9.8	10.9
2013	51	117.5	7.4	8.9
2013	52	122.2	6.1	7.6

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2014	1	112.9	8.5	8.6
2014	2	114.3	3.7	8.1
2014	3	91.8	5.6	7.9
2014	4	90.1	9.0	7.0
2014	5	55.5	2.0	5.4
2014	6	60.4	4.0	6.2
2014	7	97.4	6.0	5.3
2014	8	48.1	3.5	5.1
2014	9	36.8	4.2	3.6
2014	10	89.9	2.0	4.3
2014	11	51.6	4.6	2.7
2014	12	18.0	4.0	3.6
2014	13	56.4	1.9	4.1
2014	14	54.2	4.1	4.3
2014	15	29.1	2.9	4.0
2014	16	69.0	2.1	5.3
2014	17	67.7	6.1	10.7
2014	18	96.9	14.1	50.9
2014	19	195.3	24.5	73.6
2014	20	376.9	30.7	68.3
2014	21	384.4	23.4	42.9
2014	22	358.9	19.3	39.3
2014	23	377.1	15.2	32.0
2014	24	393.2	8.0	54.7
2014	25	380.7	13.7	47.1
2014	26	435.2	16.0	36.7
2014	27	775.7	10.0	30.6
2014	28	693.6	13.5	23.4
2014	29	614.8	9.1	23.6
2014	30	513.3	13.2	21.7
2014	31	505.0	8.0	18.3
2014	32	498.9	4.4	45.8
2014	33	600.2	14.2	43.7
2014	34	546.1	5.1	50.5
2014	35	450.1	9.2	47.6
2014	36	526.2	15.2	35.9
2014	37	482.2	9.2	29.9
2014	38	481.0	19.7	36.0
2014	39	448.7	17.3	53.5
2014	40	448.0	8.1	66.7
2014	41	436.8	13.9	68.8
2014	42	396.7	12.2	62.1
2014	43	352.3	7.7	58.7
2014	44	298.7	9.1	52.9

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2014	45	253.7	4.8	50.2
2014	46	191.1	3.6	28.6
2014	47	182.6	7.0	21.4
2014	48	142.8	3.3	23.2
2014	49	162.5	5.9	24.4
2014	50	136.3	4.3	16.6
2014	51	123.7	4.6	11.0
2014	52	104.8	4.3	10.8
2015	1	100.9	3.0	18.8
2015	2	121.2	2.1	22.2
2015	3	96.2	7.6	16.5
2015	4	100.7	4.3	11.6
2015	5	67.5	1.7	14.0
2015	6	93.0	2.9	17.2
2015	7	104.8	3.7	16.0
2015	8	67.6	1.6	17.5
2015	9	63.4	2.2	15.8
2015	10	52.2	4.7	20.4
2015	11	67.5	4.3	21.3
2015	12	61.4	2.9	20.2
2015	13	60.5	6.1	19.9
2015	14	72.9	3.3	22.0
2015	15	73.9	3.4	20.7
2015	16	65.4	7.7	15.2
2015	17	57.5	5.9	18.6
2015	18	45.4	3.4	22.1
2015	19	94.2	11.7	82.7
2015	20	255.3	14.8	139.6
2015	21	566.7	15.1	106.3
2015	22	767.0	12.5	59.5
2015	23	566.5	18.6	35.6
2015	24	394.6	15.2	29.1
2015	25	547.0	8.0	23.2
2015	26	536.3	8.8	28.0
2015	27	519.3	15.4	31.2
2015	28	538.8	7.5	34.7
2015	29	505.0	14.6	33.7
2015	30	534.4	9.7	33.4
2015	31	538.8	9.3	41.7
2015	32	562.3	15.1	39.5
2015	33	542.8	9.9	44.2
2015	34	545.3	14.8	51.4
2015	35	501.9	17.6	71.6
2015	36	437.1	15.4	65.7

Year	Week	Inflows Available for Outflow (m^3/s)		
		Marsh	Aishihik	Mayo
2015	37	467.1	24.6	80.4
2015	38	369.4	27.8	72.0
2015	39	377.3	14.7	66.1
2015	40	362.5	21.2	51.2
2015	41	390.0	19.2	46.5
2015	42	353.5	18.5	43.2
2015	43	326.4	11.6	37.7
2015	44	266.5	7.3	23.9
2015	45	217.6	10.8	25.6
2015	46	167.4	4.1	23.1
2015	47	174.9	-0.1	20.6
2015	48	144.0	10.3	22.2
2015	49	136.8	7.4	18.5
2015	50	122.7	6.5	14.9
2015	51	119.5	6.4	17.2
2015	52	123.4	1.6	14.3