☞05hr_SSC-DNRRR_Misc_pt06m

☞ **Exhibits/comments submitted by Tilton. RE: DNR study regarding Lower St. Croix ordinary high water mark.**

(FORM UPDATED: 08/11/2010)

WISCONSIN STATE LEGISLATURE ...
PUBLIC HEARING - COMMITTEE RECORDS

2005-06

(session year)

Senate Select

(Assembly, Senate or Joint)

Committee on ... DNR (SSC-DNRRR)

COMMITTEE NOTICES ...

- Committee Reports ... **CR**
- Executive Sessions ... **ES**
- Public Hearings ... **PH**

INFORMATION COLLECTED BY COMMITTEE FOR AND AGAINST PROPOSAL

- Appointments ... **Appt** (w/Record of Comm. Proceedings)
- Clearinghouse Rules ... **CRule** (w/Record of Comm. Proceedings)
- Hearing Records ... bills and resolutions (w/Record of Comm. Proceedings)
  (**ab** = Assembly Bill) (**ar** = Assembly Resolution) (**ajr** = Assembly Joint Resolution)
  (**sb** = Senate Bill) (**sr** = Senate Resolution) (**sjr** = Senate Joint Resolution)
- Miscellaneous ... **Misc**

* Contents organized for archiving by: Mike Barman (LRB) (July/2012)

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1965 TO 2005 1% of values are missing ST.CROIX STLM5 ELEV

Percent of time at or above indicated elevation For period 1965 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
693.90				0.16										
693.80				0.16										
693.70				0.24										
693.60				0.24										
693.50				0.33										
693.40				0.33										
693.30				0.33										
693.20				0.33										
693.10				0.33										
693.00				0.41										
692.90				0.41										
692.80				0.49										
692.70				0.49										
692.60				0.49										
692.50				0.49										
692.40				0.57										
692.30				0.57										
692.20				0.73										0.10
692.10				0.73										0.10
692.00				0.73										0.10
691.90				0.73										0.10
691.80				0.89										0.13
691.70				0.98										0.14
691.60				1.06										0.15
691.50				1.06										0.15
691.40				1.22									0.10	0.17
691.30				1.38									0.12	0.20
691.20				1.38									0.12	0.20
691.10				1.38									0.12	0.20
691.00				1.79									0.15	0.25
690.90				1.79									0.15	0.25
690.80				2.03									0.17	0.29
690.70				2.11									0.18	0.30
690.60				2.20									0.18	0.31
690.50				2.20									0.19	0.32
690.40				2.36									0.20	0.35
690.30				2.60									0.22	0.38
690.20				2.68									0.23	0.39

U.S. Army Corps of Engineers St. Paul District Water Control Center

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Percent of time at or above indicated elevation For period 1965 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
690.10				2.85	0.16								0.25	0.43
690.00				3.01	0.16								0.27	0.45
689.90				3.01	0.16								0.27	0.45
689.80				3.25	0.16								0.29	0.48
689.70				3.41	0.16								0.30	0.51
689.60				3.41	0.16								0.30	0.51
689.50				3.50	0.24								0.31	0.53
689.40				3.50	0.24								0.31	0.53
689.30				3.66	0.24								0.33	0.55
689.20				3.74	0.24								0.33	0.56
689.10				3.98	0.24								0.35	0.60
689.00				4.07	0.24								0.36	0.61
688.90				4.07	0.31								0.37	0.62
688.80				4.07	0.31								0.37	0.62
688.70				4.07	0.31								0.37	0.62
688.60				4.15	0.31								0.37	0.63
688.50				4.31	0.31								0.39	0.66
688.40				4.39	0.31								0.39	0.67
688.30				4.55	0.39								0.41	0.70
688.20				4.63	0.39								0.42	0.71
688.10				4.63	0.39								0.42	0.71
688.00				4.72	0.39								0.43	0.73
687.90				4.72	0.39								0.43	0.73
687.80				4.72	0.39								0.44	0.74
687.70				4.80	0.39	0.16							0.45	0.76
687.60				4.88	0.39	0.24							0.46	0.78
687.50				5.12	0.39	0.24							0.48	0.82
687.40				5.20	0.39	0.24							0.49	0.83
687.30				5.28	0.39	0.33							0.50	0.85
687.20				5.53	0.47	0.41							0.54	0.91
687.10				5.53	0.63	0.41							0.55	0.93
687.00				5.61	0.87	0.41							0.58	0.98
686.90				5.93	1.02	0.41							0.63	1.06
686.80				5.93	1.02	0.41							0.63	1.06
686.70				6.10	1.10	0.41							0.65	1.09
686.60				6.26	1.26	0.41							0.67	1.14
686.50				6.26	1.26	0.41	0.16						0.68	1.15
686.40				6.42	1.42	0.49	0.31						0.73	1.23

U.S. Army Corps of Engineers St. Paul District Water Control Center

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Percent of time at or above indicated elevation For period 1965 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
686.30				6.67	1.49	0.49	0.31						0.75	1.28
686.20				6.83	1.73	0.49	0.31						0.79	1.34
686.10				6.99	1.89	0.49	0.55						0.84	1.42
686.00				7.32	2.05	0.49	0.71						0.89	1.51
685.90				7.40	2.12	0.49	0.79						0.91	1.54
685.80				7.48	2.36	0.49	0.87						0.94	1.60
685.70				7.80	2.44	0.49	0.94						0.99	1.67
685.60				8.29	2.60	0.49	1.10						1.05	1.79
685.50				8.70	2.68	0.73	1.34						1.14	1.92
685.40				8.94	2.68	0.81	1.57						1.18	2.01
685.30				9.35	2.83	0.89	1.57						1.24	2.10
685.20				9.59	3.07	0.98	1.57						1.28	2.18
685.10				9.92	3.30	0.98	1.65						1.34	2.27
685.00				10.33	3.30	1.06	1.65						1.38	2.34
684.90			0.24	10.65	3.46	1.14	1.73		0.17				1.47	2.45
684.80			0.31	10.89	3.62	1.38	1.81		0.42				1.56	2.59
684.70			0.31	11.30	3.70	1.63	1.81		0.50				1.62	2.71
684.60			0.39	11.95	4.01	1.63	1.81		0.50				1.72	2.86
684.50			0.47	12.36	4.01	1.63	1.89		0.50				1.77	2.93
684.40			0.71	12.60	4.41	1.71	1.89		0.50	0.16			1.86	3.04
684.30			0.94	12.93	4.41	1.87	1.89		0.50	0.16			1.92	3.12
684.20			1.02	13.50	4.48	2.03	1.97		0.50	0.16			2.01	3.25
684.10			1.34	13.82	4.80	2.11	1.97		0.58	0.49			2.13	3.41
684.00			1.42	14.63	5.04	2.44	2.05		0.58	0.49			2.26	3.62
683.90			1.42	15.20	5.35	2.52	2.12		0.58	0.73			2.37	3.80
683.80			1.57	15.69	5.82	2.60	2.20		0.58	0.89			2.49	3.99
683.70			1.73	16.26	5.98	2.68	2.20		0.58	0.89			2.57	4.10
683.60			1.81	17.24	6.37	2.76	2.28	0.16	0.58	0.97			2.72	4.34
683.50			1.89	18.21	6.92	3.01	2.44	0.16	0.58	1.05			2.90	4.63
683.40			2.12	19.67	7.40	3.01	2.44	0.16	0.67	1.14			3.09	4.93
683.30			2.44	20.98	8.03	3.41	2.68	0.16	0.67	1.22			3.34	5.31
683.20			2.75	22.20	8.65	3.82	2.83	0.16	0.67	1.22			3.58	5.66
683.10			3.15	22.60	9.52	3.82	2.99	0.16	0.67	1.30			3.74	5.88
683.00			3.38	23.66	10.15	4.07	3.15	0.16	0.67	1.30			3.94	6.18
682.90			3.78	24.88	10.31	4.23	3.38	0.16	0.67	1.38			4.13	6.44
682.80			4.25	25.85	10.94	4.55	3.54	0.24	0.67	1.38			4.35	6.75
682.70			4.56	26.75	11.33	4.80	3.70	0.24	0.67	1.46			4.53	7.01
682.60			4.88	28.05	12.59	5.04	3.78	0.24	0.67	1.46			4.80	7.42

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Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
682.50			5.04	28.70	13.38	5.37	3.86	0.24	0.67	1.46			4.97	7.69
682.40			5.27	29.27	14.32	5.53	4.01	0.24	0.75	1.54			5.17	7.97
682.30			5.66	29.92	14.95	6.18	4.17	0.24	0.75	1.62			5.38	8.29
682.20			5.74	31.14	16.05	6.34	4.33	0.32	0.75	1.87			5.64	8.71
682.10			6.06	32.28	16.84	6.83	4.33	0.48	0.75	2.11			5.91	9.12
682.00			6.61	33.17	17.86	6.99	4.41	0.48	0.75	2.11	0.17		6.15	9.43
681.90			6.77	34.23	19.04	7.15	4.64	0.56	0.75	2.11	0.43		6.41	9.82
681.80			6.92	35.61	20.38	8.13	4.96	0.72	0.75	2.19	0.43		6.78	10.43
681.70			7.08	36.42	21.64	8.70	5.11	0.72	0.75	2.27	0.43		7.04	10.84
681.60			7.32	37.97	22.50	9.35	5.59	0.80	0.75	2.35	0.51		7.38	11.37
681.50			7.47	39.51	23.21	10.08	5.98	0.88	0.75	2.43	0.60		7.70	11.88
681.40			7.55	40.73	24.08	10.73	6.06	1.37	0.83	2.51	0.60		8.00	12.38
681.30			7.71	42.11	24.86	11.46	6.14	1.45	0.83	2.60	0.68		8.29	12.83
681.20			7.95	42.60	25.73	12.11	6.53	1.45	0.83	2.92	0.68		8.54	13.22
681.10			8.10	44.07	26.44	13.01	6.85	1.61	0.83	3.41	0.77		8.90	13.79
681.00			8.26	44.96	27.38	13.74	7.16	1.77	0.83	3.65	0.77		9.19	14.27
680.90			8.26	46.18	28.32	14.39	7.47	1.85	0.83	3.81	0.85		9.48	14.75
680.80			8.42	47.15	29.98	14.80	7.87	2.17	0.83	4.14	0.94		9.85	15.34
680.70			8.50	47.89	31.00	15.28	8.34	2.41	0.83	4.38	1.03		10.14	15.80
680.60			8.65	48.86	31.47	16.02	8.97	2.41	0.83	4.46	1.03		10.39	16.21
680.50			8.73	49.59	32.42	16.34	9.21	2.57	0.92	5.03	1.20		10.67	16.65
680.40			9.21	50.49	33.28	16.99	9.68	2.65	1.00	5.27	1.37		11.01	17.12
680.30			9.60	51.30	34.70	17.48	9.99	2.65	1.00	5.52	1.71		11.35	17.60
680.20		0.17	10.15	52.36	36.03	18.05	10.46	2.82	1.08	5.84	2.05		11.77	18.17
680.10		0.26	10.39	53.33	36.66	18.46	10.94	2.98	1.08	6.08	2.22		12.06	18.59
680.00		0.26	10.78	54.72	37.45	19.27	11.72	3.14	1.25	6.33	2.48		12.48	19.21
679.90		0.26	11.17	55.69	38.39	20.08	12.12	3.54	1.50	6.57	2.74		12.88	19.79
679.80		0.35	11.57	56.59	39.65	20.98	12.82	3.78	1.58	6.81	3.08		13.31	20.41
679.70		0.43	11.72	57.48	41.07	22.85	13.45	4.02	1.75	6.89	3.16		13.79	21.17
679.60		0.87	12.43	58.13	42.56	24.63	14.24	4.26	1.92	7.46	3.42		14.38	21.99
679.50		0.87	12.82	59.02	43.98	25.53	15.03	4.26	2.17	8.11	3.59		14.85	22.69
679.40		0.96	13.45	60.16	44.93	27.40	15.97	4.34	2.50	8.84	3.76		15.43	23.55
679.30		1.13	13.69	60.81	45.71	28.29	17.15	4.51	2.75	9.25	3.93		15.85	24.18
679.20		1.22	14.00	61.71	47.29	29.59	18.41	4.51	3.17	9.65	4.10		16.39	25.02
679.10		1.30	14.56	62.44	48.31	30.98	19.35	4.83	3.42	9.98	4.62		16.91	25.73
679.00		1.30	14.95	63.41	49.33	32.52	20.14	5.39	4.00	10.54	4.87		17.48	26.60
678.90		1.39	15.58	63.90	50.35	33.74	20.46	5.71	4.50	10.79	5.04	0.25	17.91	27.18
678.80		1.48	16.21	64.80	51.38	34.72	21.64	6.11	5.00	11.35	5.56	0.33	18.49	27.98

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Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
678.70		1.48	16.68	65.28	52.40	35.28	22.03	6.68	5.92	11.68	5.73	0.42	18.91	28.59
678.60		1.56	17.07	65.61	53.11	36.10	23.21	7.32	6.17	12.33	6.32	0.42	19.39	29.25
678.50		1.74	17.62	66.42	54.05	37.48	24.70	7.88	6.92	12.81	6.84	0.50	20.04	30.17
678.40		1.74	17.78	66.99	55.23	38.37	25.26	8.61	7.58	13.54	7.09	0.50	20.52	30.93
678.30		1.82	18.17	67.97	56.18	40.00	26.36	9.33	7.75	14.11	7.52	0.50	21.11	31.80
678.20		1.82	18.96	68.78	57.51	42.20	27.30	9.81	8.08	14.84	7.86	0.58	21.79	32.78
678.10		2.00	19.67	69.35	58.62	43.66	28.32	10.14	8.42	15.17	8.63	0.58	22.37	33.52
678.00		2.00	19.75	70.24	59.72	44.96	29.90	10.78	8.92	16.06	9.49	1.00	23.06	34.51
677.90		2.00	20.61	70.65	60.50	45.85	31.08	11.10	9.50	16.38	10.51	1.00	23.60	35.16
677.80		2.17	21.16	71.14	61.61	47.80	32.49	11.67	10.00	16.95	11.28	1.08	24.28	36.10
677.70		2.17	21.64	72.11	62.79	48.86	33.99	12.39	10.42	17.44	11.79	1.25	24.92	37.01
677.60		2.26	22.58	73.09	63.57	49.92	34.78	12.71	11.25	17.76	12.65	1.33	25.51	37.74
677.50		2.35	22.90	74.15	64.67	52.36	35.88	12.87	12.42	18.33	13.59	1.50	26.27	38.82
677.40		2.35	23.60	75.28	65.77	54.31	36.90	13.68	13.42	19.06	14.53	2.08	27.10	39.93
677.30		2.35	24.47	75.93	66.64	55.77	38.00	14.08	14.00	19.30	15.38	2.67	27.74	40.69
677.20		2.52	25.26	76.34	67.82	57.56	38.87	14.96	14.67	19.71	16.50	3.58	28.51	41.58
677.10		2.69	25.73	76.75	68.61	59.59	40.20	16.09	15.33	20.52	17.09	4.25	29.28	42.60
677.00	0.40	2.87	27.14	77.07	69.24	61.22	40.99	17.38	16.25	21.09	18.03	5.92	30.17	43.48
676.90	0.56	3.04	28.32	77.72	70.50	62.44	43.19	18.50	17.25	21.98	19.74	7.00	31.23	44.68
676.80	1.13	3.30	29.50	78.13	71.13	63.66	44.69	19.95	17.83	22.47	20.94	8.92	32.18	45.58
676.70	1.37	3.56	30.61	78.86	71.60	63.90	46.18	21.08	18.42	23.28	23.59	10.67	33.13	46.36
676.60	1.85	4.00	31.63	79.59	72.70	65.69	47.29	22.37	19.25	24.17	25.38	12.67	34.26	47.46
676.50	2.82	4.60	32.65	80.24	73.80	67.48	49.49	23.49	19.83	24.98	27.61	15.67	35.59	48.65
676.40	4.35	5.56	34.93	80.89	74.74	69.19	51.22	24.70	20.42	26.68	30.17	17.25	37.05	49.87
676.30	6.69	6.26	36.59	81.63	75.85	71.06	52.71	25.74	21.17	27.58	32.14	19.92	38.48	51.00
676.20	9.35	6.95	37.45	82.11	77.42	72.52	55.23	26.95	22.58	28.87	35.13	22.33	40.12	52.43
676.10	12.18	7.65	38.79	82.93	79.46	74.15	57.51	28.16	24.08	30.41	38.80	25.67	42.02	54.01
676.00	15.89	9.30	40.52	83.98	80.96	76.26	59.80	30.33	26.17	33.33	42.48	29.67	44.42	56.03
675.90	20.08	10.69	42.56	84.96	82.14	78.13	61.37	32.90	28.42	35.60	46.24	33.33	46.72	57.84
675.80	24.52	12.25	45.24	86.99	83.40	79.92	63.89	35.72	30.33	37.63	49.66	38.17	49.33	59.89
675.70	29.35	14.86	48.23	88.54	85.13	81.46	66.09	39.26	33.75	41.12	54.19	41.92	52.33	62.38
675.60	36.45	19.81	52.64	90.24	86.94	83.17	68.21	43.93	40.67	44.77	59.74	46.17	56.38	65.58
675.50	44.19	27.54	58.46	91.87	88.83	86.18	73.01	52.37	48.00	52.80	65.04	53.08	62.07	70.58
675.40	52.90	38.05	65.15	94.47	91.19	89.19	80.88	62.67	59.00	65.94	75.98	61.83	70.01	77.74
675.30	65.81	55.26	74.11	96.50	94.18	92.36	86.86	76.43	75.08	80.78	85.81	71.75	79.74	86.09
675.20	82.10	73.68	85.92	97.97	96.93	95.69	92.68	87.29	86.67	92.78	92.91	82.17	89.00	92.89
675.10	95.24	89.49	92.68	99.02	98.51	97.80	97.25	94.85	95.33	98.22	96.24	89.75	95.41	97.29
675.00	98.79	96.18	97.25	99.59	99.13	99.27	98.35	98.47	98.33	99.68	98.46	95.25	98.25	98.97

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Percent of time at or above indicated elevation For period 1965 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
674.90	100.00	99.22	98.66	99.76	99.61	100.00	99.53	99.68	99.42	100.00	99.32	97.92	99.43	99.71
674.80	100.00	99.91	99.45	99.84	99.92	100.00	99.92	99.92	99.75	100.00	99.83	99.42	99.83	99.91
674.70	100.00	100.00	100.00	99.84	99.92	100.00	100.00	100.00	100.00	100.00	100.00	99.75	99.96	99.97
674.60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1950 TO 2005 1% of values are missing ST.CROIX STLM5 ELEV

Percent of time at or above indicated elevation For period 1950 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
693.90				0.12										
693.80				0.12										
693.70				0.18										
693.60				0.18										
693.50				0.24										
693.40				0.24										
693.30				0.24										
693.20				0.24										
693.10				0.24										
693.00				0.30										
692.90				0.30										
692.80				0.36										
692.70				0.36										
692.60				0.36										
692.50				0.36										
692.40				0.42										
692.30				0.42										
692.20				0.54										
692.10				0.54										
692.00				0.54										
691.90				0.54										
691.80				0.65										
691.70				0.71										0.10
691.60				0.77										0.11
691.50				0.77										0.11
691.40				0.89										0.13
691.30				1.01										0.14
691.20				1.01										0.14
691.10				1.01										0.14
691.00				1.31									0.11	0.19
690.90				1.31									0.11	0.19
690.80				1.49									0.12	0.21
690.70				1.55									0.13	0.22
690.60				1.61									0.13	0.23
690.50				1.61									0.14	0.24
690.40				1.73									0.15	0.25
690.30				1.90									0.16	0.28
690.20				1.96									0.17	0.29
690.10				2.08	0.12								0.18	0.31
690.00				2.20	0.12								0.19	0.33

000576

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1950 TO 2005 1% of values are missing ST.CROIX STLM5 ELEV

Percent of time at or above indicated elevation For period 1950 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
689.90				2.20	0.12								0.19	0.33
689.80				2.38	0.12								0.21	0.35
689.70				2.56	0.12								0.22	0.38
689.60				2.62	0.12								0.23	0.39
689.50				2.80	0.17								0.25	0.42
689.40				2.86	0.17								0.25	0.43
689.30				2.98	0.17								0.26	0.45
689.20				3.10	0.17								0.27	0.46
689.10				3.27	0.17								0.29	0.49
689.00				3.39	0.17								0.30	0.50
688.90				3.39	0.23								0.30	0.51
688.80				3.45	0.23								0.31	0.52
688.70				3.45	0.23								0.31	0.52
688.60				3.51	0.23								0.31	0.53
688.50				3.69	0.23								0.33	0.56
688.40				3.75	0.23								0.33	0.56
688.30				3.93	0.29								0.35	0.60
688.20				4.11	0.29								0.37	0.62
688.10				4.17	0.29								0.37	0.63
688.00				4.29	0.29								0.38	0.65
687.90				4.29	0.29								0.38	0.65
687.80				4.35	0.29								0.39	0.66
687.70				4.40	0.29	0.12							0.40	0.68
687.60				4.52	0.29	0.18							0.42	0.71
687.50				4.76	0.29	0.18							0.44	0.74
687.40				4.94	0.35	0.18							0.46	0.77
687.30				5.00	0.40	0.24							0.47	0.80
687.20				5.18	0.46	0.30							0.50	0.84
687.10				5.24	0.58	0.30							0.51	0.87
687.00				5.30	0.81	0.30							0.54	0.91
686.90				5.54	0.92	0.30							0.57	0.97
686.80				5.60	0.92	0.30							0.57	0.98
686.70				5.77	1.04	0.30							0.60	1.02
686.60				5.95	1.15	0.30							0.62	1.06
686.50				5.95	1.15	0.30	0.12						0.63	1.07
686.40				6.19	1.27	0.36	0.23						0.67	1.14
686.30				6.37	1.38	0.36	0.23						0.70	1.19
686.20				6.55	1.56	0.36	0.23						0.73	1.24
686.10				6.67	1.73	0.36	0.40						0.77	1.30
686.00				6.90	1.84	0.36	0.52						0.81	1.37

000377

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1950 TO 2005 1% of values are missing ST.CROIX STLM5 ELEV

Percent of time at or above indicated elevation For period 1950 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
685.90				7.08	2.02	0.36	0.58						0.84	1.43
685.80				7.14	2.25	0.36	0.63						0.87	1.48
685.70				7.44	2.36	0.36	0.81						0.92	1.56
685.60				7.86	2.48	0.36	0.92						0.98	1.66
685.50				8.27	2.59	0.54	1.09						1.05	1.78
685.40				8.45	2.59	0.65	1.32						1.09	1.86
685.30				8.81	2.76	0.71	1.32						1.14	1.94
685.20				9.05	3.00	0.83	1.38						1.20	2.04
685.10				9.40	3.17	0.83	1.50						1.25	2.13
685.00				9.94	3.17	0.89	1.56						1.31	2.22
684.90			0.17	10.18	3.28	1.01	1.67		0.12				1.38	2.32
684.80			0.23	10.36	3.46	1.19	1.73		0.30				1.45	2.43
684.70			0.23	10.71	3.57	1.37	1.73		0.36				1.51	2.53
684.60			0.29	11.19	3.86	1.37	1.73		0.36				1.59	2.65
684.50			0.35	11.61	3.97	1.43	1.79		0.36				1.64	2.74
684.40			0.52	11.85	4.26	1.49	1.84		0.36	0.12			1.72	2.84
684.30			0.69	12.08	4.38	1.61	1.90		0.36	0.12			1.78	2.93
684.20			0.75	12.56	4.49	1.73	1.96		0.36	0.12			1.85	3.04
684.10			0.98	12.80	4.84	1.85	1.96		0.42	0.35			1.96	3.18
684.00			1.04	13.51	5.01	2.08	2.02		0.42	0.35			2.06	3.35
683.90			1.04	13.99	5.30	2.14	2.13		0.42	0.53			2.15	3.51
683.80			1.15	14.46	5.65	2.26	2.19		0.42	0.65			2.26	3.67
683.70			1.27	15.06	5.93	2.44	2.30		0.42	0.65			2.37	3.84
683.60			1.32	15.89	6.34	2.50	2.36	0.12	0.42	0.71			2.50	4.05
683.50			1.38	16.85	6.80	2.74	2.48	0.12	0.42	0.77			2.66	4.31
683.40			1.56	18.10	7.14	2.80	2.48	0.12	0.48	0.82			2.82	4.56
683.30			1.79	19.29	7.66	3.15	2.71	0.12	0.48	0.88			3.04	4.90
683.20			2.02	20.24	8.29	3.51	2.82	0.12	0.48	0.88			3.23	5.19
683.10			2.30	20.60	8.93	3.63	3.00	0.12	0.48	0.94			3.37	5.38
683.00			2.48	21.43	9.62	3.87	3.11	0.12	0.48	0.94			3.54	5.65
682.90			2.76	22.50	9.85	4.05	3.34	0.12	0.48	1.00			3.72	5.90
682.80			3.11	23.33	10.37	4.40	3.46	0.35	0.48	1.00			3.92	6.20
682.70			3.34	23.99	10.89	4.58	3.57	0.41	0.48	1.06			4.07	6.43
682.60			3.57	24.94	12.10	4.76	3.69	0.53	0.48	1.06			4.31	6.80
682.50			3.69	25.54	12.79	5.00	3.80	0.59	0.48	1.06			4.46	7.04
682.40			3.86	26.01	13.77	5.12	3.97	0.59	0.55	1.12			4.64	7.31
682.30			4.15	26.49	14.34	5.71	4.09	0.70	0.55	1.18			4.83	7.59
682.20			4.21	27.56	15.50	5.89	4.21	0.76	0.55	1.35			5.07	7.98
682.10			4.44	28.51	16.19	6.25	4.32	0.94	0.55	1.53			5.30	8.34
682.00			4.84	29.17	17.28	6.43	4.38	0.94	0.55	1.53	0.12		5.50	8.62

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1950 TO 2005 1% of values are missing ST.CROIX STLM5 ELEV

Percent of time at or above indicated elevation For period 1950 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
681.90			4.95	30.12	18.49	6.55	4.67	0.99	0.55	1.53	0.31		5.75	9.00
681.80			5.13	31.19	19.76	7.38	5.01	1.23	0.55	1.59	0.31		6.09	9.55
681.70			5.36	31.79	20.79	7.86	5.24	1.23	0.55	1.65	0.31		6.31	9.89
681.60			5.59	32.98	21.49	8.39	5.65	1.29	0.55	1.71	0.37		6.58	10.31
681.50			5.76	34.11	22.52	9.17	5.99	1.40	0.55	1.77	0.43		6.90	10.81
681.40			5.82	35.30	23.21	9.88	6.22	1.76	0.67	1.83	0.43		7.18	11.29
681.30			5.93	36.49	23.96	10.71	6.34	1.87	0.79	1.88	0.49		7.47	11.74
681.20			6.11	36.96	24.65	11.49	6.68	1.99	0.79	2.12	0.49		7.70	12.12
681.10			6.22	38.51	25.29	12.20	6.97	2.11	0.85	2.47	0.56		8.03	12.65
681.00			6.39	39.82	26.21	12.80	7.55	2.22	0.85	2.65	0.56		8.36	13.18
680.90			6.39	41.25	26.96	13.33	7.83	2.28	0.91	2.77	0.62		8.63	13.64
680.80			6.51	42.20	28.17	13.81	8.35	2.57	0.97	3.00	0.68		8.97	14.18
680.70			6.57	42.98	28.92	14.17	8.93	2.81	0.97	3.18	0.74		9.22	14.59
680.60			6.68	43.93	29.55	14.70	9.45	2.81	0.97	3.24	0.74		9.46	14.98
680.50			6.74	44.88	30.30	15.30	9.97	2.93	1.09	3.65	0.86		9.76	15.48
680.40			7.14	45.83	31.11	16.01	10.48	3.10	1.21	3.83	1.05		10.11	15.97
680.30			7.43	46.55	32.32	16.55	10.89	3.10	1.21	4.00	1.36		10.42	16.41
680.20		0.13	7.83	47.68	33.53	17.20	11.41	3.28	1.27	4.24	1.60		10.81	16.98
680.10		0.19	8.01	48.57	34.22	17.92	12.04	3.39	1.33	4.42	1.79		11.13	17.45
680.00		0.19	8.29	49.76	35.08	18.81	13.02	3.51	1.45	4.59	1.98		11.53	18.08
679.90		0.19	8.58	50.71	36.06	19.46	13.42	3.86	1.64	4.77	2.16		11.88	18.61
679.80		0.25	8.87	51.61	37.15	20.36	14.17	4.10	1.70	4.95	2.41		12.28	19.19
679.70		0.32	9.04	52.26	38.42	21.85	14.80	4.27	1.88	5.01	2.47		12.68	19.83
679.60		0.63	9.56	53.10	39.80	23.33	15.55	4.45	2.00	5.42	2.65		13.20	20.57
679.50		0.63	9.85	54.05	41.13	24.05	16.30	4.51	2.24	5.89	2.78		13.62	21.22
679.40		0.70	10.31	55.06	42.05	25.65	17.17	4.68	2.48	6.42	2.90		14.12	21.99
679.30		0.83	10.48	55.65	42.97	26.61	18.20	4.80	2.73	6.71	3.09		14.52	22.58
679.20		0.89	10.71	56.67	44.35	27.62	19.35	4.92	3.03	7.01	3.27		15.00	23.34
679.10		0.95	11.12	57.32	45.33	28.81	20.16	5.21	3.21	7.24	3.64		15.44	23.96
679.00		0.95	11.41	58.21	46.20	30.06	20.79	5.68	3.70	7.66	3.83		15.90	24.68
678.90		1.02	11.87	58.93	47.24	31.19	21.31	5.97	4.06	7.83	3.95	0.18	16.32	25.28
678.80		1.08	12.38	60.00	48.21	32.08	22.29	6.44	4.42	8.24	4.32	0.24	16.84	26.02
678.70		1.08	12.73	60.77	49.14	32.62	22.64	7.02	5.15	8.48	4.51	0.30	17.24	26.61
678.60		1.14	13.02	61.49	49.83	33.21	23.68	7.49	5.33	8.95	5.00	0.30	17.66	27.21
678.50		1.27	13.48	62.50	50.86	34.40	24.94	8.02	5.94	9.31	5.43	0.36	18.26	28.07
678.40		1.27	13.65	63.15	51.84	35.30	25.69	8.66	6.55	9.84	5.62	0.36	18.71	28.79
678.30		1.33	14.00	64.05	52.82	36.55	26.79	9.19	6.79	10.25	5.93	0.36	19.23	29.57
678.20		1.33	14.57	64.82	53.97	38.45	27.82	9.65	7.09	10.78	6.23	0.42	19.83	30.45
678.10		1.46	15.15	65.36	55.13	39.76	28.97	10.01	7.39	11.01	6.79	0.54	20.37	31.17
678.00		1.46	15.32	66.31	56.11	41.01	30.41	10.53	7.82	11.66	7.41	0.84	20.98	32.06

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1950 TO 2005 1% of values are missing ST.CROIX STLM5 ELEV

Percent of time at or above indicated elevation For period 1950 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
677.90		1.46	15.96	67.02	56.74	41.96	31.39	10.94	8.30	11.90	8.15	0.96	21.48	32.69
677.80		1.59	16.36	67.74	57.89	43.57	32.55	11.59	8.73	12.31	8.70	1.02	22.08	33.57
677.70		1.59	16.76	68.81	58.81	44.46	33.81	12.17	9.15	12.66	9.14	1.20	22.63	34.36
677.60		1.65	17.57	69.64	59.85	45.60	34.50	12.58	9.94	12.90	9.75	1.26	23.19	35.09
677.50		1.71	17.80	70.60	60.89	47.74	35.66	12.87	10.91	13.37	10.43	1.38	23.87	36.09
677.40		1.71	18.38	72.02	62.04	49.52	36.69	13.58	11.70	14.02	11.11	1.87	24.65	37.17
677.30		1.71	19.07	72.98	63.25	50.95	37.56	13.93	12.18	14.25	11.85	2.29	25.27	37.96
677.20		1.84	19.93	73.39	64.46	52.44	38.25	14.80	12.91	14.66	12.78	2.95	25.97	38.79
677.10		1.97	20.45	73.93	65.21	54.23	39.29	15.80	13.58	15.25	13.21	3.49	26.65	39.70
677.00	0.29	2.10	21.54	74.52	66.01	55.65	39.98	17.14	14.36	16.02	13.89	4.70	27.46	40.62
676.90	0.41	2.22	22.58	75.24	67.22	56.67	41.71	18.20	15.39	16.96	15.12	5.54	28.39	41.72
676.80	0.82	2.41	23.50	75.83	67.80	58.15	43.03	19.49	15.94	17.43	15.99	7.10	29.25	42.62
676.70	1.00	2.67	24.37	76.67	68.55	58.69	44.24	20.48	16.36	18.08	18.02	8.43	30.09	43.39
676.60	1.35	3.05	25.17	77.38	69.87	60.36	45.16	21.53	17.15	18.85	19.44	9.87	31.06	44.43
676.50	2.05	3.56	25.98	78.27	70.97	61.96	46.89	22.59	17.70	19.43	21.11	12.34	32.20	45.50
676.40	3.17	4.32	27.94	79.23	72.06	63.45	48.21	23.82	18.36	20.73	23.02	13.79	33.47	46.66
676.30	4.87	4.83	29.15	80.18	73.27	65.12	49.37	24.93	19.33	21.44	24.51	16.13	34.72	47.77
676.20	6.98	5.33	29.95	80.71	74.83	66.55	51.38	26.27	20.73	22.50	26.79	18.00	36.13	49.10
676.10	9.09	5.90	31.05	81.61	76.84	67.98	53.17	27.85	22.30	23.73	29.51	20.41	37.75	50.61
676.00	11.96	7.17	32.49	82.80	78.23	69.70	55.13	29.84	24.30	25.97	32.16	23.30	39.72	52.39
675.90	15.48	8.25	34.22	83.87	79.61	71.49	56.34	32.18	26.36	27.74	35.06	25.95	41.68	54.05
675.80	19.35	9.52	36.46	85.71	81.39	73.63	58.53	34.58	28.24	29.51	37.90	29.44	43.99	56.05
675.70	23.11	11.68	38.77	87.20	83.41	76.07	60.60	37.51	31.27	32.74	42.22	32.45	46.72	58.51
675.60	28.33	15.68	42.17	88.99	85.83	78.15	62.85	41.95	37.58	36.40	47.28	36.06	50.39	61.77
675.50	34.08	21.59	47.29	90.71	88.19	81.49	67.45	49.44	44.67	44.05	53.46	41.66	55.61	66.66
675.40	41.99	30.22	53.40	93.10	90.55	85.60	75.00	59.04	56.12	57.36	66.42	49.91	63.45	73.89
675.30	55.84	44.76	62.85	95.12	93.55	89.76	82.26	72.26	72.12	74.97	79.26	60.26	73.76	82.90
675.20	73.61	63.11	75.69	97.38	96.37	94.05	89.34	84.44	84.91	90.52	88.95	74.35	84.51	91.02
675.10	90.09	81.65	84.85	98.81	98.04	96.73	94.59	94.32	94.24	97.35	94.14	84.83	92.53	96.30
675.00	95.60	90.73	91.01	99.40	99.08	98.39	96.49	98.71	98.18	99.59	97.28	93.08	96.49	98.54
674.90	97.48	95.30	95.05	99.70	99.71	99.40	98.10	99.71	99.45	100.00	98.95	96.63	98.30	99.44
674.80	97.65	97.33	96.95	99.82	99.94	99.70	98.85	99.94	99.76	100.00	99.63	98.80	99.03	99.71
674.70	97.77	97.84	98.68	99.88	99.94	99.82	99.48	100.00	100.00	100.00	99.94	99.40	99.40	99.87
674.60	97.95	98.16	98.96	100.00	100.00	100.00	99.77	100.00	100.00	100.00	100.00	99.58	99.54	99.97
674.50	98.36	99.24	99.25	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.70	99.71	100.00
674.40	98.71	99.56	99.77	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.76	99.82	100.00
674.30	99.06	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.94	99.92	100.00
674.20	99.82	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.99	100.00
674.10	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1940 TO 2005 0% of values are missing PREW3 ELEV

Percent of time at or above indicated elevation For period 1940 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
692.80				0.10										
692.70				0.15										
692.60				0.15										
692.50				0.15										
692.40				0.20										
692.30				0.20										
692.20				0.25										
692.10				0.30										
692.00				0.30										
691.90				0.30										
691.80				0.30										
691.70				0.30										
691.60				0.30										
691.50				0.30										
691.40				0.35										
691.30				0.51										
691.20				0.51										
691.10				0.51										
691.00				0.56										
690.90				0.61										
690.80				0.71										
690.70				0.71										
690.60				0.81										0.11
690.50				0.86										0.12
690.40				1.01										0.14
690.30				1.06										0.15
690.20				1.16										0.16
690.10				1.16										0.16
690.00				1.26									0.11	0.19
689.90				1.41									0.12	0.21
689.80				1.57									0.13	0.23
689.70				1.62									0.14	0.24
689.60				1.72									0.15	0.25
689.50				1.77									0.16	0.26
689.40				1.87									0.16	0.28
689.30				1.87									0.16	0.28
689.20				1.97									0.17	0.29
689.10				1.97									0.17	0.29
689.00				2.12									0.18	0.31
688.90				2.22	0.15								0.20	0.34
688.80				2.53	0.15								0.22	0.38
688.70				2.58	0.15								0.23	0.39
688.60				2.63	0.15								0.23	0.39
688.50				2.73	0.15								0.24	0.41
688.40				2.73	0.15								0.24	0.41
688.30				2.83	0.15								0.25	0.42
688.20				2.88	0.20								0.26	0.44
688.10				2.93	0.20								0.26	0.44
688.00				2.98	0.20								0.26	0.45
687.90				3.08	0.20								0.27	0.46

687.80		3.13	0.20						0.28	0.47
687.70		3.18	0.20						0.28	0.48
687.60		3.23	0.20	0.10					0.29	0.50
687.50		3.23	0.24	0.10					0.30	0.51
687.40		3.43	0.24	0.15					0.32	0.54
687.30		3.54	0.24	0.15					0.33	0.56
687.20		3.64	0.24	0.20					0.34	0.58
687.10		3.79	0.24	0.25					0.36	0.61
687.00		3.79	0.24	0.25					0.36	0.61
686.90		3.89	0.29	0.25					0.37	0.63
686.80		3.94	0.29	0.25					0.37	0.63
686.70		3.99	0.29	0.25					0.38	0.65
686.60		3.99	0.29	0.25					0.38	0.65
686.50		4.14	0.29	0.25					0.39	0.67
686.40		4.24	0.34	0.25					0.41	0.70
686.30		4.44	0.39	0.30					0.44	0.74
686.20		4.60	0.54	0.30					0.46	0.78
686.10		4.75	0.59	0.30					0.48	0.81
686.00		4.95	0.68	0.30	0.20				0.51	0.87
685.90		5.00	0.83	0.30	0.29				0.54	0.91
685.80		5.10	0.98	0.30	0.29				0.56	0.95
685.70		5.25	1.08	0.30	0.39				0.59	1.00
685.60		5.40	1.12	0.30	0.44				0.61	1.03
685.50		5.45	1.22	0.30	0.54				0.63	1.07
685.40		5.56	1.37	0.35	0.69				0.67	1.13
685.30		5.81	1.42	0.35	0.74				0.70	1.18
685.20		5.91	1.71	0.35	0.74				0.73	1.24
685.10		6.11	1.91	0.35	0.74				0.76	1.30
685.00		6.31	2.00	0.40	0.88				0.80	1.37
684.90		6.41	2.10	0.40	0.98				0.83	1.41
684.80		6.62	2.10	0.45	1.03				0.85	1.45
684.70		6.82	2.20	0.45	1.08				0.88	1.50
684.60		6.87	2.39	0.56	1.08				0.91	1.55
684.50		7.22	2.39	0.66	1.18				0.96	1.63
684.40		7.68	2.44	0.86	1.23		0.21		1.04	1.78
684.30		8.03	2.49	1.06	1.23		0.26		1.11	1.87
684.20	0.20	8.18	2.69	1.21	1.32		0.26		1.17	1.96
684.10	0.29	8.38	2.79	1.31	1.37		0.26		1.22	2.03
684.00	0.39	8.74	2.93	1.36	1.52		0.31	0.15	1.29	2.14
683.90	0.49	9.04	3.03	1.62	1.57		0.31	0.15	1.36	2.24
683.80	0.64	9.55	3.23	1.77	1.62		0.31	0.15	1.45	2.37
683.70	0.69	9.85	3.62	1.97	1.72		0.31	0.20	1.54	2.52
683.60	0.83	10.45	3.76	2.17	1.72		0.36	0.30	1.64	2.67
683.50	1.08	10.76	4.25	2.32	1.91		0.36	0.40	1.77	2.86
683.40	1.13	11.41	4.69	2.42	1.96		0.36	0.40	1.88	3.04
683.30	1.32	12.27	5.03	2.58	2.01		0.36	0.55	2.03	3.26
683.20	1.42	13.08	5.52	2.93	2.06		0.36	0.55	2.18	3.50
683.10	1.52	13.84	6.11	3.08	2.11		0.36	0.60	2.32	3.73
683.00	1.62	14.44	6.45	3.23	2.21		0.36	0.69	2.44	3.92
682.90	1.76	15.40	6.94	3.79	2.31		0.41	0.74	2.64	4.24
682.80	2.01	16.36	7.77	4.09	2.31		0.41	0.74	2.84	4.54
682.70	2.25	17.17	8.21	4.49	2.35		0.41	0.74	3.00	4.78
682.60	2.55	18.08	8.94	4.80	2.50		0.41	0.84	3.21	5.09
682.50	2.79	18.99	9.43	5.20	2.70		0.41	0.84	3.40	5.38
682.40	3.09	20.30	10.12	5.40	2.89		0.41	0.84	3.62	5.72
682.30	3.68	21.16	10.56	6.01	3.04	0.15	0.41	0.89	3.86	6.03
682.20	3.73	21.82	11.14	6.31	3.33	0.40	0.41	0.94	4.04	6.33
682.10	4.12	22.83	12.07	6.67	3.38	0.50	0.46	0.94	4.28	6.69
682.00	4.31	23.69	12.85	7.17	3.68	0.59	0.46	0.99	4.52	7.06

681.90			4.71	24.70	14.08	7.58	3.87	0.64	0.46	0.99			4.80	7.47
681.80			4.85	25.76	14.81	7.83	4.07	0.74	0.46	0.99			5.01	7.81
681.70			5.20	26.87	15.79	8.18	4.32	0.89	0.46	0.99			5.28	8.22
681.60			5.29	27.88	16.91	8.89	4.46	0.94	0.46	0.99			5.54	8.65
681.50			5.44	28.79	18.04	9.39	4.71	0.99	0.46	1.24	0.10		5.82	9.09
681.40			5.54	29.75	19.11	9.70	4.90	1.24	0.46	1.24	0.10		6.06	9.49
681.30			5.64	30.96	19.70	10.30	5.15	1.39	0.46	1.34	0.10		6.31	9.91
681.20			5.74	32.12	20.63	10.81	5.44	1.49	0.46	1.39	0.21		6.58	10.34
681.10			6.08	33.38	21.21	11.41	5.69	1.54	0.46	1.49	0.26		6.86	10.75
681.00			6.27	34.24	22.09	12.17	6.13	1.69	0.46	1.54	0.31		7.14	11.20
680.90			6.32	34.85	22.87	12.98	6.72	1.78	0.46	1.59	0.31		7.39	11.62
680.80			6.47	35.91	23.51	13.38	7.16	1.93	0.51	1.64	0.36		7.64	12.02
680.70			6.57	37.07	24.39	13.79	7.55	2.03	0.51	1.69	0.41		7.91	12.44
680.60			6.72	37.93	25.17	14.49	7.90	2.23	0.51	1.99	0.41		8.19	12.90
680.50			6.81	39.19	25.90	15.05	8.19	2.33	0.62	2.18	0.46		8.47	13.36
680.40			6.86	40.66	26.64	15.71	8.68	2.48	0.72	2.58	0.51		8.82	13.94
680.30			7.06	42.02	27.57	16.21	9.42	2.53	0.72	2.73	0.51		9.15	14.47
680.20			7.06	43.54	28.25	16.77	9.86	2.63	0.82	2.93	0.56		9.45	14.98
680.10			7.35	44.44	29.23	17.32	10.20	2.68	0.93	3.08	0.77		9.75	15.43
680.00			7.79	46.01	30.21	18.13	10.50	2.78	0.93	3.18	0.97		10.13	15.97
679.90			8.09	47.32	30.99	18.69	11.28	2.88	1.13	3.42	1.03		10.50	16.55
679.80		0.16	8.33	48.33	31.92	19.65	12.02	2.97	1.23	3.62	1.13		10.88	17.12
679.70		0.16	8.53	49.29	32.50	20.35	12.65	3.22	1.29	3.77	1.28		11.19	17.60
679.60		0.16	8.77	50.25	33.48	21.06	13.39	3.27	1.39	3.87	1.44		11.53	18.12
679.50		0.16	9.02	51.31	34.90	22.07	13.98	3.47	1.59	3.92	1.64		11.95	18.77
679.40		0.16	9.12	52.07	36.12	23.18	15.06	3.57	1.70	4.07	1.85		12.35	19.42
679.30		0.32	9.41	52.93	37.19	24.19	15.74	3.67	1.80	4.27	2.05		12.75	20.00
679.20		0.54	9.66	53.64	38.42	25.45	16.72	3.82	1.90	4.52	2.15		13.19	20.67
679.10		0.54	10.00	54.34	39.44	26.97	17.46	3.87	2.11	4.91	2.26		13.61	21.33
679.00		0.59	10.10	55.15	40.76	28.38	18.00	3.97	2.26	5.21	2.46		14.03	21.99
678.90		0.65	10.54	56.16	41.74	29.09	18.59	4.07	2.57	5.51	2.51		14.41	22.56
678.80		0.65	10.98	56.87	42.57	30.35	19.13	4.21	2.83	5.91	2.72		14.82	23.16
678.70		0.76	11.37	57.63	43.50	31.06	19.86	4.46	3.24	6.05	2.77		15.19	23.72
678.60		0.76	11.62	58.43	44.28	32.12	20.50	4.96	3.50	6.45	3.03		15.61	24.35
678.50		0.81	12.16	59.04	45.16	33.13	21.19	5.30	3.86	6.75	3.13		16.02	24.95
678.40		0.87	12.50	59.90	46.14	34.49	21.68	5.60	4.37	6.95	3.18	0.20	16.47	25.62
678.30		0.97	12.84	60.66	47.12	35.40	22.66	6.05	4.73	7.39	3.44	0.25	16.94	26.32
678.20		0.97	13.19	61.77	47.80	36.21	23.69	6.45	5.14	7.79	3.90	0.25	17.41	27.01
678.10		1.08	13.43	62.53	48.68	37.32	24.42	6.99	5.60	8.29	4.26	0.25	17.89	27.73
678.00		1.08	13.77	63.59	49.90	38.38	25.50	7.29	6.07	8.64	4.62	0.30	18.42	28.52
677.90		1.08	14.22	64.49	50.93	39.75	26.92	7.93	6.48	8.78	4.97	0.45	19.00	29.37
677.80		1.19	14.75	65.10	51.96	41.36	28.45	8.43	6.79	9.08	5.33	0.55	19.59	30.21
677.70		1.30	15.15	66.01	53.08	43.13	29.62	9.12	7.25	9.33	5.85	0.75	20.22	31.12
677.60		1.30	15.49	66.92	54.35	44.24	30.60	9.67	7.76	9.58	6.51	0.90	20.79	31.92
677.50		1.30	15.88	67.63	56.01	45.35	31.63	9.97	8.38	10.02	6.92	0.96	21.35	32.76
677.40		1.35	16.52	68.59	56.94	46.52	32.66	10.31	9.15	10.22	7.44	1.01	21.91	33.53
677.30		1.41	17.21	69.55	58.21	47.58	33.84	10.61	9.67	10.42	8.05	1.16	22.50	34.32
677.20		1.41	17.55	70.40	59.19	49.04	34.87	11.16	10.39	11.02	8.46	1.26	23.09	35.20
677.10		1.51	18.14	71.26	60.22	50.61	36.29	11.80	10.90	11.46	8.97	1.56	23.76	36.13
677.00		1.51	18.53	72.32	61.34	52.32	36.93	12.59	11.47	11.91	9.69	1.66	24.39	37.03
676.90		1.51	19.22	72.93	62.22	53.89	37.52	13.53	12.08	12.31	10.15	2.01	24.99	37.83
676.80		1.73	20.29	73.48	63.20	55.35	38.70	14.58	12.70	12.85	10.87	2.41	25.72	38.75
676.70		1.89	21.23	74.14	64.22	56.57	39.33	15.47	13.42	13.15	11.54	3.67	26.44	39.52
676.60	0.20	1.95	22.16	75.10	65.20	57.88	40.46	16.56	14.29	13.80	12.41	4.47	27.26	40.52
676.50	0.50	2.11	23.04	75.71	66.37	59.04	41.83	17.35	15.12	14.54	13.85	5.48	28.13	41.48
676.40	0.60	2.33	23.97	76.36	67.50	60.20	42.86	18.05	15.63	15.33	15.59	6.44	28.96	42.33
676.30	0.84	2.54	24.80	77.37	68.72	61.67	44.19	19.04	16.35	16.13	17.28	8.14	29.99	43.41
676.20	1.54	2.60	25.64	77.88	70.04	63.13	45.86	19.73	17.22	17.57	18.77	10.26	31.09	44.55
676.10	2.83	3.03	27.16	78.74	71.07	64.60	47.28	20.97	17.79	18.76	21.08	11.81	32.33	45.66

676.00	4.67	3.57	28.19	79.70	72.83	65.86	48.90	22.41	18.87	20.40	23.64	13.47	33.79	47.06
675.90	6.95	4.43	29.56	80.61	73.90	67.17	50.12	23.90	20.00	22.18	26.05	15.03	35.24	48.34
675.80	9.08	4.87	30.74	81.87	74.83	68.59	52.08	24.89	21.59	23.67	28.21	17.70	36.76	49.71
675.70	10.97	5.46	32.06	82.98	76.00	69.75	53.56	26.92	23.03	25.51	30.72	20.21	38.35	51.18
675.60	13.45	6.44	33.73	84.09	77.32	71.01	55.22	28.90	24.94	27.59	34.00	23.23	40.25	52.80
675.50	15.73	8.22	36.23	85.51	79.47	72.78	57.18	31.58	27.66	29.98	37.79	26.40	42.64	54.95
675.40	19.85	10.55	39.66	87.22	81.43	74.75	59.69	36.29	31.83	33.90	40.97	30.22	45.79	57.94
675.30	26.30	14.76	43.63	89.44	84.36	77.12	62.92	42.29	37.58	40.25	47.08	36.40	50.44	62.06
675.20	35.88	24.39	47.94	92.02	87.15	80.30	66.94	50.02	47.46	50.17	56.05	42.23	56.94	67.77
675.10	43.72	35.59	55.59	93.33	91.10	85.20	74.25	60.68	59.18	63.72	66.62	49.42	65.06	75.40
675.00	52.90	47.21	63.43	95.15	94.48	91.57	82.74	73.53	74.34	80.15	77.28	58.87	74.47	84.59
674.90	69.13	60.25	72.21	97.58	97.07	96.21	90.09	86.86	89.36	92.56	88.77	72.15	84.48	92.82
674.80	83.28	75.99	81.81	98.74	98.78	98.64	96.52	94.50	96.20	98.21	94.97	84.31	91.91	97.37
674.70	89.78	85.99	88.28	99.29	99.36	99.65	98.77	97.82	99.02	99.21	97.38	91.96	95.59	99.02
674.60	91.66	89.51	92.30	99.60	99.90	99.85	99.51	98.51	99.49	99.35	98.36	96.28	97.06	99.46
674.50	92.11	91.29	94.75	99.65	100.00	99.95	99.85	98.81	99.79	99.60	98.97	98.04	97.77	99.66
674.40	92.36	92.05	96.03	99.70	100.00	100.00	99.90	98.86	100.00	99.70	99.44	98.99	98.11	99.74
674.30	92.56	92.32	96.86	99.75	100.00	100.00	99.95	99.31	100.00	100.00	99.69	99.45	98.35	99.86
674.20	93.20	93.40	97.35	99.75	100.00	100.00	100.00	99.95	100.00	100.00	99.69	99.60	98.60	99.96
674.10	93.70	93.94	97.70	99.75	100.00	100.00	100.00	100.00	100.00	100.00	99.69	99.75	98.73	99.96
674.00	94.44	93.94	97.70	99.75	100.00	100.00	100.00	100.00	100.00	100.00	99.69	99.90	98.81	99.96
673.90	94.64	94.00	97.75	99.80	100.00	100.00	100.00	100.00	100.00	100.00	99.79	99.90	98.85	99.97
673.80	94.69	94.05	97.75	99.80	100.00	100.00	100.00	100.00	100.00	100.00	99.79	99.95	98.86	99.97
673.70	94.79	94.27	97.75	99.80	100.00	100.00	100.00	100.00	100.00	100.00	99.79	100.00	98.89	99.97
673.60	94.84	94.32	97.75	99.90	100.00	100.00	100.00	100.00	100.00	100.00	99.85	100.00	98.91	99.99
673.50	94.94	94.38	97.79	99.90	100.00	100.00	100.00	100.00	100.00	100.00	99.90	100.00	98.93	99.99
673.40	95.14	94.48	97.89	99.90	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	98.97	99.99
673.30	95.29	94.70	97.89	99.90	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.00	99.99
673.20	95.38	95.02	97.89	99.90	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.04	99.99
673.10	95.48	95.40	97.94	99.95	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.08	99.99
673.00	95.48	95.84	98.04	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.13	100.00
672.90	95.68	96.59	98.19	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.22	100.00
672.80	95.68	96.81	98.38	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.25	100.00
672.70	95.78	97.03	98.43	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.28	100.00
672.60	95.98	97.13	98.53	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.31	100.00
672.51	96.13	97.19	98.53	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.33	100.00
672.41	96.43	97.40	98.53	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.37	100.00
672.31	96.72	97.57	98.58	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.41	100.00
672.21	97.12	97.94	98.58	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.48	100.00
672.11	98.21	98.49	98.87	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.64	100.00
672.01	98.86	99.51	99.36	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.81	100.00
671.91	99.40	99.68	99.95	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.92	100.00
671.81	99.90	99.78	99.95	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.97	100.00
671.71	100.00	99.95	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
671.61	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1985 TO 2005 3% of values are missing PREW3 ELEV

Percent of time at or above indicated elevation For period 1985 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
690.80				0.32										
690.70				0.32										
690.60				0.48										
690.50				0.48										
690.40				0.79										0.11
690.30				0.95										0.14
690.20				1.27									0.11	0.18
690.10				1.27									0.11	0.18
690.00				1.43	0.15								0.13	0.23
689.90				1.75	0.15								0.16	0.27
689.80				2.22	0.15								0.20	0.34
689.70				2.38	0.15								0.22	0.36
689.60				2.54	0.15								0.23	0.39
689.50				2.54	0.31								0.24	0.41
689.40				2.86	0.31								0.27	0.46
689.30				2.86	0.31								0.27	0.46
689.20				3.02	0.31								0.28	0.48
689.10				3.02	0.31								0.28	0.48
689.00				3.17	0.31								0.30	0.50
688.90				3.49	0.46								0.34	0.57
688.80				3.97	0.46								0.38	0.64
688.70				3.97	0.46								0.38	0.64
688.60				3.97	0.46								0.38	0.64
688.50				3.97	0.46								0.38	0.64
688.40				3.97	0.46								0.38	0.64
688.30				4.13	0.46								0.39	0.66
688.20				4.29	0.61								0.42	0.71
688.10				4.44	0.61								0.43	0.73
688.00				4.44	0.61								0.43	0.73
687.90				4.44	0.61								0.43	0.73
687.80				4.44	0.61								0.43	0.73
687.70				4.44	0.61								0.43	0.73
687.60				4.60	0.61	0.32							0.47	0.80
687.50				4.60	0.77	0.32							0.48	0.82
687.40				4.60	0.77	0.48							0.50	0.84
687.30				4.76	0.77	0.48							0.51	0.87
687.20				4.92	0.77	0.63							0.54	0.91
687.10				5.08	0.77	0.79							0.56	0.96
687.00				5.08	0.77	0.79							0.56	0.96
686.90				5.08	0.92	0.79							0.58	0.98
686.80				5.08	0.92	0.79							0.58	0.98
686.70				5.08	0.92	0.79	0.16						0.59	1.00
686.60				5.08	0.92	0.79	0.16						0.59	1.00
686.50				5.40	0.92	0.79	0.16						0.62	1.05
686.40				5.56	1.08	0.79	0.31						0.66	1.12
686.30				5.71	1.08	0.95	0.31						0.69	1.16

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686.20		6.03	1.08	0.95	0.31				0.71	1.21
686.10		6.19	1.08	0.95	0.31				0.73	1.23
686.00		6.51	1.38	0.95	0.62				0.81	1.37
685.90		6.67	1.84	0.95	0.93				0.89	1.50
685.80		6.67	2.15	0.95	0.93				0.91	1.55
685.70		6.67	2.46	0.95	1.24				0.97	1.64
685.60		6.98	2.61	0.95	1.40				1.02	1.73
685.50		6.98	2.76	0.95	1.71				1.06	1.80
685.40		7.30	3.23	1.11	2.17				1.18	2.00
685.30		7.46	3.38	1.11	2.33				1.22	2.07
685.20		7.46	3.84	1.11	2.33				1.26	2.14
685.10		7.78	4.15	1.11	2.33				1.32	2.23
685.00		7.94	4.45	1.11	2.48				1.37	2.32
684.90		8.10	4.61	1.11	2.48				1.40	2.37
684.80		8.25	4.61	1.11	2.64				1.42	2.41
684.70		8.57	4.76	1.11	2.64				1.47	2.48
684.60		8.57	4.92	1.11	2.64				1.48	2.50
684.50		8.89	4.92	1.11	2.80				1.52	2.57
684.40		9.68	5.07	1.27	2.80		0.67	0.16	1.68	2.85
684.30		10.16	5.07	1.27	2.80		0.84	0.16	1.73	2.94
684.20		10.16	5.38	1.27	2.95		0.84	0.32	1.79	3.03
684.10		10.16	5.38	1.59	2.95		0.84	0.32	1.81	3.07
684.00		10.79	5.53	1.59	2.95		1.01	0.48	1.91	3.23
683.90		11.11	5.53	1.90	3.11		1.01	0.48	1.98	3.35
683.80		11.59	5.68	2.06	3.11		1.01	0.48	2.04	3.46
683.70		12.06	5.84	2.06	3.26		1.01	0.65	2.12	3.60
683.60		12.54	5.84	2.06	3.26		1.18	0.65	2.18	3.69
683.50		12.86	6.30	2.38	3.42		1.18	0.65	2.29	3.87
683.40		13.49	7.53	2.38	3.42		1.18	0.65	2.45	4.14
683.30	0.16	14.76	7.83	2.38	3.42		1.18	0.81	2.61	4.39
683.20	0.16	15.87	8.76	2.54	3.57		1.18	0.81	2.81	4.74
683.10	0.16	16.51	9.52	2.70	3.57		1.18	0.81	2.94	4.96
683.00	0.31	17.62	10.14	2.70	3.73		1.18	0.97	3.13	5.26
682.90	0.62	18.10	10.60	2.86	3.88		1.34	0.97	3.28	5.46
682.80	1.09	18.41	11.52	2.86	3.88		1.34	0.97	3.43	5.65
682.70	1.71	19.05	11.67	3.02	3.88		1.34	0.97	3.56	5.78
682.60	1.86	20.16	13.06	3.17	4.04		1.34	1.13	3.83	6.22
682.50	2.33	20.95	13.52	3.17	4.04		1.34	1.13	3.98	6.40
682.40	2.64	21.59	14.44	3.33	4.19		1.34	1.13	4.17	6.67
682.30	3.57	22.22	14.75	3.65	4.19		1.34	1.29	4.37	6.88
682.20	3.57	22.70	15.51	3.97	4.19		1.34	1.29	4.50	7.10
682.10	3.72	23.81	16.13	4.13	4.35		1.51	1.29	4.70	7.42
682.00	4.19	24.29	17.05	4.13	4.35	0.32	1.51	1.45	4.91	7.70
681.90	4.81	24.92	18.28	4.44	4.50	0.32	1.51	1.45	5.16	8.04
681.80	4.96	25.40	18.74	5.24	4.50	0.64	1.51	1.45	5.35	8.33
681.70	5.43	26.67	20.12	6.19	4.50	0.64	1.51	1.45	5.70	8.86
681.60	5.58	27.78	21.20	7.78	4.66	0.80	1.51	1.45	6.06	9.45
681.50	5.74	29.05	21.97	8.89	4.81	0.80	1.51	1.61	6.37	9.95
681.40	5.89	30.48	23.20	9.21	4.97	1.61	1.51	1.61	6.72	10.52
681.30	6.05	32.38	23.50	10.63	5.28	2.09	1.51	1.61	7.11	11.16
681.20	6.20	34.13	25.35	11.90	5.59	2.09	1.51	1.77	7.58	11.93
681.10	6.36	35.71	26.27	12.86	5.90	2.09	1.51	1.94	7.93	12.50
681.00	6.36	36.67	27.50	14.13	6.52	2.41	1.51	1.94	8.31	13.14
680.90	6.51	37.46	28.88	15.87	6.68	2.57	1.51	1.94	8.68	13.75
680.80	6.67	38.10	29.65	16.51	7.61	3.05	1.68	2.10	9.02	14.30

680.70			6.82	39.84	31.49	17.30	8.07	3.38	1.68	2.10			9.48	15.05
680.60			6.98	40.00	32.57	18.10	8.39	3.86	1.68	2.90			9.80	15.57
680.50			6.98	41.43	33.49	18.89	8.85	3.86	1.68	3.39			10.15	16.17
680.40			7.13	42.70	34.25	19.84	9.16	4.18	1.68	4.52			10.57	16.85
680.30			7.44	43.65	35.64	20.48	10.09	4.34	1.68	4.52			10.94	17.44
680.20			7.44	44.76	37.17	21.59	10.40	4.50	1.85	5.00			11.36	18.15
680.10			8.06	45.56	38.56	22.54	10.56	4.66	2.02	5.16	0.33		11.76	18.69
680.00			9.15	47.14	39.78	23.17	11.18	4.66	2.02	5.16	0.83		12.25	19.29
679.90			9.61	48.89	41.01	23.65	12.27	4.82	2.52	5.81	1.00		12.80	20.13
679.80			10.08	49.68	41.63	24.92	13.20	4.98	2.86	6.29	1.00		13.23	20.79
679.70			10.39	50.63	41.94	26.03	14.29	5.47	3.03	6.77	1.17		13.66	21.45
679.60			10.85	51.43	42.86	27.46	15.22	5.47	3.36	6.94	1.50		14.11	22.11
679.50			11.16	52.54	44.09	29.05	15.84	5.63	3.70	6.94	1.50		14.57	22.84
679.40			11.32	53.49	45.62	30.32	17.86	5.79	3.87	7.42	1.67		15.16	23.79
679.30			11.94	54.76	46.39	31.90	18.79	5.95	4.03	7.90	2.00		15.70	24.57
679.20			12.25	55.08	47.00	33.97	20.50	5.95	4.37	8.55	2.17		16.23	25.39
679.10			12.71	55.87	48.08	35.87	22.20	6.11	4.87	9.19	2.17		16.84	26.37
679.00			12.71	57.14	48.39	38.10	22.98	6.27	5.21	10.00	2.33		17.35	27.21
678.90			13.18	57.78	49.31	39.37	23.91	6.43	5.88	10.32	2.50		17.82	27.91
678.80			13.95	58.41	49.31	40.63	24.53	6.59	6.22	11.29	2.50		18.23	28.48
678.70			14.88	59.37	50.23	41.43	25.93	6.91	7.06	11.61	2.50		18.78	29.28
678.60			15.19	59.84	50.84	42.86	27.02	7.88	7.73	12.10	2.83		19.32	30.10
678.50			16.43	60.63	51.15	43.49	27.48	8.36	8.40	12.42	2.83		19.73	30.62
678.40			17.05	61.43	51.61	44.92	28.88	9.00	9.92	12.90	2.83		20.35	31.58
678.30		0.17	17.52	62.38	52.53	45.56	30.59	10.29	10.92	14.19	3.17		21.09	32.70
678.20		0.17	17.98	63.49	53.46	46.35	31.99	10.93	12.27	14.84	3.33		21.72	33.67
678.10		0.17	18.14	63.81	54.07	47.78	32.92	11.90	13.11	15.65	3.33		22.23	34.52
678.00		0.17	18.76	64.60	55.61	48.73	34.63	12.38	14.12	16.29	3.67		22.92	35.54
677.90		0.17	19.22	65.08	56.53	49.52	36.34	13.67	14.79	16.77	4.00	0.50	23.56	36.45
677.80		0.17	20.00	65.40	58.22	51.43	38.98	14.63	14.96	17.10	4.67	0.66	24.38	37.61
677.70		0.35	20.47	66.67	58.83	52.54	41.46	16.40	15.46	17.42	5.00	0.83	25.16	38.78
677.60		0.35	20.93	67.78	60.22	54.13	43.17	17.68	15.80	17.58	6.17	0.99	25.96	39.87
677.50		0.35	21.40	68.57	61.75	54.92	44.72	17.85	17.14	18.06	6.83	0.99	26.62	40.82
677.40		0.35	22.95	69.68	62.67	55.71	46.74	18.49	18.66	18.23	7.50	1.16	27.42	41.85
677.30		0.35	23.41	71.11	64.21	56.98	48.14	18.97	20.00	18.23	8.50	1.49	28.20	42.92
677.20		0.35	23.88	72.22	65.28	58.57	48.76	19.94	21.68	18.71	9.33	1.82	28.97	43.99
677.10		0.52	24.65	72.86	66.05	60.00	51.40	21.38	22.18	19.19	9.83	2.48	29.82	45.13
677.00		0.52	24.96	73.49	67.28	61.75	52.64	22.51	22.86	19.35	11.33	2.64	30.56	46.11
676.90		0.52	25.89	74.44	68.20	63.17	54.04	24.28	23.87	19.84	11.83	3.47	31.42	47.24
676.80		0.69	27.13	74.92	68.97	64.60	56.06	27.01	24.71	20.48	12.67	3.80	32.38	48.52
676.70	0.32	0.87	28.37	74.92	70.20	65.71	56.83	27.97	25.71	20.97	13.83	4.96	33.19	49.32
676.60	0.48	0.87	29.61	76.35	71.12	67.14	57.92	29.74	26.22	22.10	15.17	5.95	34.20	50.50
676.50	0.65	1.04	31.16	76.98	72.35	68.25	59.78	30.87	26.55	22.58	17.67	7.11	35.23	51.48
676.40	0.81	1.04	33.02	77.94	74.35	70.00	61.02	32.48	27.39	23.55	20.33	9.26	36.59	52.82
676.30	1.13	1.21	34.73	79.37	75.58	71.11	63.20	33.76	27.90	24.84	23.17	12.73	38.06	54.12
676.20	2.42	1.21	36.43	79.84	77.73	73.33	65.68	34.41	29.08	27.10	25.33	16.03	39.72	55.76
676.10	5.32	1.56	38.14	80.79	79.57	75.08	67.55	35.69	29.41	28.55	29.50	18.18	41.46	57.13
676.00	8.87	2.25	40.00	81.59	81.87	76.67	70.19	37.46	30.76	31.13	34.67	20.99	43.72	58.99
675.90	12.26	4.51	42.48	82.70	83.41	78.57	71.43	39.39	31.93	34.19	39.83	22.81	45.96	60.70
675.80	15.97	5.55	44.96	83.49	84.79	80.32	73.91	40.19	33.95	36.13	44.00	26.94	48.18	62.30
675.70	18.87	6.76	47.29	84.92	85.71	81.43	75.78	42.60	35.63	38.71	48.00	31.24	50.40	64.00
675.60	22.26	8.15	50.54	86.67	86.94	82.70	77.33	44.86	38.15	41.45	53.17	37.52	53.11	65.89
675.50	26.13	12.13	55.97	88.41	88.79	84.29	79.35	49.36	42.18	45.16	58.83	43.14	56.75	68.65
675.40	32.90	17.33	62.33	90.00	90.32	85.87	83.70	55.95	49.08	53.39	64.00	51.07	61.90	73.00
675.30	45.48	26.69	71.01	93.65	92.32	86.83	87.42	64.63	58.15	64.52	74.50	62.98	69.51	78.53

675.20	66.13	48.53	77.52	96.83	94.93	89.52	90.99	75.24	73.61	78.87	85.83	72.40	79.53	85.91
675.10	80.81	70.02	89.15	97.94	96.47	92.54	94.88	86.66	86.55	92.10	92.67	80.83	88.57	92.53
675.00	89.35	84.40	93.80	98.41	97.85	96.67	97.98	93.73	95.63	97.58	95.33	87.44	94.11	96.86
674.90	97.10	94.80	97.67	99.21	98.77	99.05	99.84	97.43	98.82	100.00	98.33	93.06	97.88	99.02
674.80	98.87	98.27	99.38	99.52	99.39	99.84	100.00	99.84	99.66	100.00	99.67	96.36	99.25	99.75
674.70	99.68	99.65	100.00	99.68	99.54	100.00	100.00	100.00	99.83	100.00	100.00	98.68	99.76	99.86
674.60	100.00	100.00	100.00	100.00	99.85	100.00	100.00	100.00	100.00	100.00	100.00	99.17	99.92	99.98
674.50	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1965 TO 2005 1% of values are missing PREW3 ELEV

Percent of time at or above indicated elevation For period 1965 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
692.80				0.16										
692.70				0.24										
692.60				0.24										
692.50				0.24										
692.40				0.33										
692.30				0.33										
692.20				0.41										
692.10				0.49										
692.00				0.49										
691.90				0.49										
691.80				0.49										
691.70				0.49										
691.60				0.49										
691.50				0.49										
691.40				0.57										
691.30				0.81										0.12
691.20				0.81										0.12
691.10				0.81										0.12
691.00				0.89										0.13
690.90				0.98										0.14
690.80				1.14										0.16
690.70				1.14										0.16
690.60				1.30									0.11	0.18
690.50				1.38									0.12	0.20
690.40				1.63									0.14	0.23
690.30				1.71									0.14	0.24
690.20				1.87									0.16	0.27
690.10				1.87									0.16	0.27
690.00				2.03									0.18	0.30
689.90				2.28									0.20	0.33
689.80				2.52									0.22	0.37
689.70				2.60									0.22	0.38
689.60				2.76									0.24	0.40
689.50				2.85	0.16								0.25	0.43
689.40				3.01	0.16								0.26	0.45
689.30				3.01	0.16								0.26	0.45
689.20				3.17	0.16								0.28	0.47
689.10				3.17	0.16								0.28	0.47
689.00				3.25	0.16								0.28	0.48
688.90				3.41	0.24								0.31	0.52
688.80				3.74	0.24								0.33	0.57
688.70				3.82	0.24								0.34	0.58
688.60				3.82	0.24								0.34	0.58
688.50				3.90	0.24								0.35	0.59
688.40				3.90	0.24								0.35	0.59
688.30				3.98	0.24								0.35	0.60
688.20				4.07	0.31								0.37	0.62
688.10				4.15	0.31								0.37	0.63
688.00				4.15	0.31								0.37	0.63
687.90				4.31	0.31								0.39	0.66

687.80		4.31	0.31						0.39	0.66
687.70		4.39	0.31						0.39	0.67
687.60		4.47	0.31	0.16					0.41	0.70
687.50		4.47	0.39	0.16					0.42	0.71
687.40		4.55	0.39	0.24					0.43	0.74
687.30		4.63	0.39	0.24					0.44	0.75
687.20		4.72	0.39	0.33					0.45	0.77
687.10		4.88	0.39	0.41					0.47	0.81
687.00		4.88	0.39	0.41					0.47	0.81
686.90		4.96	0.47	0.41					0.49	0.83
686.80		4.96	0.47	0.41					0.49	0.83
686.70		4.96	0.47	0.41					0.50	0.84
686.60		4.96	0.47	0.41					0.50	0.84
686.50		5.12	0.47	0.41					0.51	0.86
686.40		5.28	0.55	0.41	0.16				0.54	0.91
686.30		5.45	0.63	0.49	0.16				0.56	0.96
686.20		5.69	0.87	0.49	0.16				0.60	1.03
686.10		5.85	0.94	0.49	0.16				0.62	1.06
686.00		6.18	1.10	0.49	0.32				0.68	1.15
685.90		6.26	1.34	0.49	0.47				0.72	1.22
685.80		6.26	1.57	0.49	0.47				0.74	1.26
685.70		6.42	1.73	0.49	0.63				0.78	1.33
685.60		6.67	1.81	0.49	0.71				0.81	1.38
685.50		6.75	1.97	0.49	0.87				0.85	1.44
685.40		6.91	2.20	0.57	1.11				0.91	1.55
685.30		7.15	2.28	0.57	1.19				0.94	1.60
685.20		7.24	2.68	0.57	1.19				0.98	1.67
685.10		7.56	2.83	0.57	1.19				1.02	1.74
685.00		7.80	2.99	0.57	1.34				1.07	1.82
684.90		7.89	3.07	0.57	1.42				1.09	1.86
684.80		8.21	3.07	0.57	1.50				1.13	1.91
684.70		8.54	3.23	0.57	1.58				1.17	1.99
684.60		8.54	3.38	0.73	1.58				1.20	2.04
684.50		9.11	3.38	0.89	1.66				1.27	2.16
684.40		9.76	3.46	1.22	1.74		0.33		1.40	2.38
684.30	0.16	10.24	3.46	1.46	1.74		0.42		1.48	2.49
684.20	0.32	10.41	3.62	1.71	1.82		0.42	0.16	1.55	2.59
684.10	0.32	10.73	3.78	1.87	1.82		0.42	0.16	1.61	2.69
684.00	0.47	11.22	3.93	1.95	1.90		0.50	0.24	1.70	2.83
683.90	0.47	11.54	4.01	2.20	1.98		0.50	0.24	1.76	2.93
683.80	0.71	12.03	4.25	2.36	2.06		0.50	0.24	1.87	3.07
683.70	0.79	12.36	4.72	2.44	2.22		0.50	0.32	1.97	3.23
683.60	0.95	13.25	4.80	2.44	2.22		0.59	0.48	2.08	3.40
683.50	1.34	13.50	5.19	2.60	2.37		0.59	0.65	2.22	3.57
683.40	1.42	14.39	5.90	2.60	2.37		0.59	0.65	2.36	3.81
683.30	1.66	15.53	6.29	2.60	2.45		0.59	0.89	2.54	4.07
683.20	1.74	16.50	6.92	2.68	2.53		0.59	0.89	2.69	4.32
683.10	1.90	17.64	7.47	2.76	2.53		0.59	0.97	2.86	4.59
683.00	1.98	18.54	7.79	2.76	2.61		0.59	1.13	2.99	4.80
682.90	2.21	19.76	8.26	3.17	2.77	0.16	0.67	1.21	3.22	5.15
682.80	2.61	20.98	9.44	3.33	2.77	0.16	0.67	1.21	3.47	5.52
682.70	2.92	21.87	9.91	3.74	2.85	0.16	0.67	1.21	3.66	5.79
682.60	3.32	23.17	10.86	3.90	3.01	0.16	0.67	1.37	3.92	6.18
682.50	3.72	24.31	11.41	4.23	3.24	0.16	0.67	1.37	4.15	6.50
682.40	4.03	25.61	12.20	4.47	3.48	0.16	0.67	1.37	4.39	6.87
682.30	4.74	26.67	12.59	4.96	3.56	0.24	0.67	1.45	4.63	7.18
682.20	4.74	27.64	13.14	5.28	3.80	0.24	0.67	1.53	4.82	7.50
682.10	5.22	28.62	14.08	5.61	3.88	0.24	0.75	1.53	5.06	7.84
682.00	5.45	29.19	14.95	5.93	4.03	0.40	0.75	1.61	5.27	8.15

681.90			6.01	30.08	16.29	6.26	4.27	0.40	0.75	1.61			5.56	8.56
681.80			6.09	30.89	16.84	6.67	4.35	0.56	0.75	1.61			5.73	8.84
681.70			6.56	31.95	17.86	7.15	4.51	0.64	0.75	1.61			6.01	9.25
681.60			6.72	32.93	19.04	8.13	4.59	0.72	0.75	1.61			6.30	9.72
681.50			6.88	34.07	20.30	8.86	4.75	0.72	0.75	2.02	0.17		6.64	10.25
681.40			7.04	35.45	21.48	9.11	4.91	1.13	0.75	2.02	0.17		6.93	10.74
681.30			7.11	36.83	22.27	9.84	5.14	1.37	0.75	2.18	0.17		7.24	11.24
681.20			7.19	38.46	23.37	10.49	5.46	1.45	0.75	2.26	0.33		7.59	11.80
681.10			7.51	40.08	24.08	11.14	5.70	1.45	0.75	2.42	0.42		7.90	12.28
681.00			7.59	41.06	25.26	11.95	6.25	1.61	0.75	2.50	0.50		8.24	12.82
680.90			7.67	41.71	26.28	12.93	6.41	1.69	0.75	2.58	0.50		8.49	13.25
680.80			7.91	42.76	27.07	13.25	7.04	1.93	0.84	2.66	0.58		8.79	13.71
680.70			7.98	44.31	28.25	13.74	7.44	2.09	0.84	2.74	0.67		9.13	14.26
680.60			8.22	44.88	29.19	14.55	7.75	2.33	0.84	3.23	0.67		9.44	14.75
680.50			8.38	46.34	29.98	15.20	7.99	2.42	0.84	3.55	0.75		9.76	15.26
680.40			8.46	47.24	30.53	15.85	8.39	2.58	0.84	4.19	0.83		10.05	15.73
680.30			8.62	48.29	31.71	16.18	9.02	2.66	0.84	4.44	0.83		10.36	16.24
680.20			8.62	49.51	32.57	16.91	9.34	2.82	0.92	4.76	0.92		10.68	16.77
680.10			9.01	50.16	33.67	17.56	9.57	2.90	1.00	5.00	1.25		11.00	17.20
680.00			9.64	51.38	34.62	17.89	9.97	2.90	1.00	5.16	1.58		11.34	17.64
679.90			10.12	52.44	35.72	18.29	10.60	2.98	1.26	5.56	1.67		11.72	18.21
679.80		0.26	10.43	52.93	36.59	19.11	11.31	3.14	1.42	5.89	1.83		12.08	18.72
679.70		0.26	10.75	53.98	37.06	19.92	12.03	3.54	1.51	6.13	2.08		12.44	19.26
679.60		0.26	11.15	55.12	38.08	20.65	12.82	3.54	1.67	6.29	2.25		12.83	19.83
679.50		0.26	11.46	56.26	39.58	21.87	13.29	3.78	1.84	6.37	2.50		13.28	20.53
679.40		0.26	11.54	56.99	40.99	22.85	14.64	3.95	1.92	6.61	2.83		13.74	21.24
679.30		0.53	12.02	58.05	42.25	24.15	15.43	4.11	2.01	6.94	3.08		14.24	21.96
679.20		0.88	12.41	58.94	43.67	25.85	16.61	4.11	2.18	7.34	3.25		14.80	22.79
679.10		0.88	12.89	59.59	44.69	27.89	17.48	4.19	2.43	7.98	3.42		15.33	23.58
679.00		0.96	13.04	60.41	46.26	29.59	18.04	4.35	2.59	8.47	3.75		15.84	24.37
678.90		1.05	13.60	61.22	47.21	30.57	18.83	4.43	2.93	8.95	3.83		16.27	25.00
678.80		1.05	14.31	61.79	48.15	32.03	19.22	4.51	3.18	9.60	4.17		16.72	25.62
678.70		1.23	14.94	62.68	49.41	32.76	20.25	4.83	3.85	9.84	4.25		17.23	26.36
678.60		1.23	15.26	63.25	50.12	33.98	21.04	5.31	4.27	10.48	4.50		17.69	27.05
678.50		1.31	16.13	63.90	51.30	34.88	21.60	5.72	4.69	10.97	4.67		18.18	27.71
678.40		1.40	16.60	64.39	52.24	36.18	22.31	6.12	5.52	11.29	4.75	0.33	18.67	28.42
678.30		1.58	17.00	65.20	53.19	37.15	23.50	6.84	6.03	12.02	5.17	0.41	19.26	29.27
678.20		1.58	17.55	66.02	53.74	37.89	24.76	7.41	6.69	12.66	5.92	0.41	19.80	30.02
678.10		1.75	17.79	66.59	54.45	39.11	25.63	8.29	7.28	13.47	6.50	0.41	20.36	30.82
678.00		1.75	18.34	67.24	56.02	40.49	26.66	8.62	7.78	14.03	6.83	0.49	20.95	31.69
677.90		1.75	18.97	68.05	57.12	42.20	28.16	9.58	8.28	14.27	7.42	0.74	21.65	32.67
677.80		1.93	19.68	68.54	58.30	44.31	29.83	10.31	8.45	14.76	8.00	0.90	22.36	33.65
677.70		2.10	20.24	69.43	59.40	45.77	31.49	11.27	8.95	15.16	8.83	1.07	23.10	34.65
677.60		2.10	20.63	70.49	60.58	47.32	32.59	11.92	9.29	15.56	9.83	1.23	23.75	35.55
677.50		2.10	21.11	71.14	62.16	48.62	33.54	12.08	10.29	16.29	10.50	1.23	24.38	36.46
677.40		2.19	22.13	72.03	63.02	49.92	34.89	12.40	11.21	16.61	11.33	1.31	25.06	37.32
677.30		2.28	22.85	73.25	64.28	50.98	36.16	12.72	11.88	16.94	12.33	1.48	25.73	38.19
677.20		2.28	23.32	74.15	65.07	52.68	36.87	13.29	12.80	17.90	13.00	1.64	26.39	39.13
677.10		2.45	24.11	74.80	65.93	54.72	38.69	14.01	13.22	18.47	13.75	2.05	27.17	40.14
677.00		2.45	24.74	75.53	67.19	56.75	39.40	14.90	13.72	19.11	14.92	2.21	27.90	41.11
676.90		2.45	25.69	76.10	67.90	58.54	40.27	16.18	14.56	19.44	15.58	2.79	28.62	42.02
676.80		2.80	27.19	76.50	68.76	60.41	41.77	17.63	15.15	20.24	16.58	3.44	29.54	43.09
676.70	0.16	2.89	28.14	76.67	69.94	61.71	42.64	18.52	15.98	20.65	17.58	5.41	30.36	43.90
676.60	0.32	2.89	29.33	77.64	70.73	63.17	43.67	19.89	16.82	21.45	18.83	6.64	31.29	44.94
676.50	0.81	3.15	30.43	78.13	71.83	64.31	45.73	20.85	17.66	22.18	21.00	8.20	32.37	45.99
676.40	0.97	3.42	31.78	78.78	73.01	65.37	47.23	21.82	18.33	22.90	23.50	9.51	33.40	46.96
676.30	1.37	3.77	32.73	79.76	74.04	66.83	48.89	22.95	19.08	24.03	25.83	11.80	34.61	48.12
676.20	2.42	3.85	33.99	80.24	75.45	68.70	51.03	23.75	20.08	25.73	28.00	15.16	36.06	49.47
676.10	4.35	4.38	35.97	80.73	76.63	70.41	52.93	24.88	20.50	26.85	31.08	17.54	37.55	50.61

676.00	7.34	5.25	37.23	81.46	78.13	72.03	55.14	26.09	21.51	28.63	34.83	20.08	39.34	52.05
675.90	10.89	6.65	39.05	82.20	79.07	73.58	56.88	27.46	22.85	30.97	38.50	22.62	41.26	53.48
675.80	13.95	7.27	40.71	83.09	80.02	75.28	59.49	28.26	24.85	32.42	41.75	26.80	43.19	54.97
675.70	16.69	8.23	42.29	84.23	81.04	76.99	61.71	30.35	26.53	34.68	45.67	30.66	45.29	56.70
675.60	19.84	9.72	44.58	85.69	82.06	78.54	63.61	32.61	28.70	37.42	50.58	35.41	47.76	58.57
675.50	23.39	12.52	48.30	87.24	84.26	80.65	66.14	36.47	32.22	40.40	55.75	40.33	50.99	61.24
675.40	30.00	15.85	53.04	89.11	85.84	82.28	69.70	42.51	37.66	45.73	59.83	46.31	55.17	64.86
675.30	40.48	22.15	58.74	91.95	88.12	84.31	73.73	50.89	44.94	54.11	67.33	55.00	61.31	69.88
675.20	55.56	36.60	64.03	94.55	90.32	87.89	78.40	60.23	58.41	66.85	75.42	62.54	69.50	76.78
675.10	66.21	53.77	73.68	95.45	93.39	92.20	85.84	73.83	71.88	79.11	83.75	70.82	78.52	84.61
675.00	75.32	68.56	81.11	96.50	96.07	96.83	92.48	85.19	84.77	89.11	89.33	79.26	86.34	91.61
674.90	88.15	80.65	87.59	98.21	98.03	98.86	96.20	93.32	93.64	97.34	95.50	89.43	93.15	96.53
674.80	96.29	91.59	94.31	99.35	99.37	99.59	98.50	97.50	96.90	99.44	98.17	94.75	97.18	98.67
674.70	99.44	97.11	97.00	99.67	99.53	99.92	99.21	99.44	99.00	99.76	99.25	98.11	98.96	99.50
674.60	99.84	99.47	98.81	100.00	99.92	99.92	99.60	100.00	99.50	99.76	99.58	99.26	99.64	99.82
674.50	100.00	100.00	99.60	100.00	100.00	100.00	99.92	100.00	99.75	99.92	99.92	99.84	99.91	99.94
674.40	100.00	100.00	99.92	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.92	100.00	99.99	100.00
674.30	100.00	100.00	99.92	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.99	100.00
674.20	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1950 TO 2005 1% of values are missing ST.CROIX STLM5 ELEV

Percent of time at or above indicated elevation For period 1950 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
693.90				0.12										
693.80				0.12										
693.70				0.18										
693.60				0.18										
693.50				0.24										
693.40				0.24										
693.30				0.24										
693.20				0.24										
693.10				0.24										
693.00				0.30										
692.90				0.30										
692.80				0.36										
692.70				0.36										
692.60				0.36										
692.50				0.36										
692.40				0.42										
692.30				0.42										
692.20				0.54										
692.10				0.54										
692.00				0.54										
691.90				0.54										
691.80				0.65										
691.70				0.71										0.10
691.60				0.77										0.11
691.50				0.77										0.11
691.40				0.89										0.13
691.30				1.01										0.14
691.20				1.01										0.14
691.10				1.01										0.14
691.00				1.31									0.11	0.19
690.90				1.31									0.11	0.19
690.80				1.49									0.12	0.21
690.70				1.55									0.13	0.22
690.60				1.61									0.13	0.23
690.50				1.61									0.14	0.24
690.40				1.73									0.15	0.25
690.30				1.90									0.16	0.28
690.20				1.96									0.17	0.29
690.10				2.08	0.12								0.18	0.31
690.00				2.20	0.12								0.19	0.33
689.90				2.20	0.12								0.19	0.33
689.80				2.38	0.12								0.21	0.35
689.70				2.56	0.12								0.22	0.38
689.60				2.62	0.12								0.23	0.39
689.50				2.80	0.17								0.25	0.42
689.40				2.86	0.17								0.25	0.43
689.30				2.98	0.17								0.26	0.45
689.20				3.10	0.17								0.27	0.46
689.10				3.27	0.17								0.29	0.49
689.00				3.39	0.17								0.30	0.50

688.90		3.39	0.23						0.30	0.51
688.80		3.45	0.23						0.31	0.52
688.70		3.45	0.23						0.31	0.52
688.60		3.51	0.23						0.31	0.53
688.50		3.69	0.23						0.33	0.56
688.40		3.75	0.23						0.33	0.56
688.30		3.93	0.29						0.35	0.60
688.20		4.11	0.29						0.37	0.62
688.10		4.17	0.29						0.37	0.63
688.00		4.29	0.29						0.38	0.65
687.90		4.29	0.29						0.38	0.65
687.80		4.35	0.29						0.39	0.66
687.70		4.40	0.29	0.12					0.40	0.68
687.60		4.52	0.29	0.18					0.42	0.71
687.50		4.76	0.29	0.18					0.44	0.74
687.40		4.94	0.35	0.18					0.46	0.77
687.30		5.00	0.40	0.24					0.47	0.80
687.20		5.18	0.46	0.30					0.50	0.84
687.10		5.24	0.58	0.30					0.51	0.87
687.00		5.30	0.81	0.30					0.54	0.91
686.90		5.54	0.92	0.30					0.57	0.97
686.80		5.60	0.92	0.30					0.57	0.98
686.70		5.77	1.04	0.30					0.60	1.02
686.60		5.95	1.15	0.30					0.62	1.06
686.50		5.95	1.15	0.30	0.12				0.63	1.07
686.40		6.19	1.27	0.36	0.23				0.67	1.14
686.30		6.37	1.38	0.36	0.23				0.70	1.19
686.20		6.55	1.56	0.36	0.23				0.73	1.24
686.10		6.67	1.73	0.36	0.40				0.77	1.30
686.00		6.90	1.84	0.36	0.52				0.81	1.37
685.90		7.08	2.02	0.36	0.58				0.84	1.43
685.80		7.14	2.25	0.36	0.63				0.87	1.48
685.70		7.44	2.36	0.36	0.81				0.92	1.56
685.60		7.86	2.48	0.36	0.92				0.98	1.66
685.50		8.27	2.59	0.54	1.09				1.05	1.78
685.40		8.45	2.59	0.65	1.32				1.09	1.86
685.30		8.81	2.76	0.71	1.32				1.14	1.94
685.20		9.05	3.00	0.83	1.38				1.20	2.04
685.10		9.40	3.17	0.83	1.50				1.25	2.13
685.00		9.94	3.17	0.89	1.56				1.31	2.22
684.90	0.17	10.18	3.28	1.01	1.67		0.12		1.38	2.32
684.80	0.23	10.36	3.46	1.19	1.73		0.30		1.45	2.43
684.70	0.23	10.71	3.57	1.37	1.73		0.36		1.51	2.53
684.60	0.29	11.19	3.86	1.37	1.73		0.36		1.59	2.65
684.50	0.35	11.61	3.97	1.43	1.79		0.36		1.64	2.74
684.40	0.52	11.85	4.26	1.49	1.84		0.36	0.12	1.72	2.84
684.30	0.69	12.08	4.38	1.61	1.90		0.36	0.12	1.78	2.93
684.20	0.75	12.56	4.49	1.73	1.96		0.36	0.12	1.85	3.04
684.10	0.98	12.80	4.84	1.85	1.96		0.42	0.35	1.96	3.18
684.00	1.04	13.51	5.01	2.08	2.02		0.42	0.35	2.06	3.35
683.90	1.04	13.99	5.30	2.14	2.13		0.42	0.53	2.15	3.51
683.80	1.15	14.46	5.65	2.26	2.19		0.42	0.65	2.26	3.67
683.70	1.27	15.06	5.93	2.44	2.30		0.42	0.65	2.37	3.84
683.60	1.32	15.89	6.34	2.50	2.36	0.12	0.42	0.71	2.50	4.05
683.50	1.38	16.85	6.80	2.74	2.48	0.12	0.42	0.77	2.66	4.31
683.40	1.56	18.10	7.14	2.80	2.48	0.12	0.48	0.82	2.82	4.56
683.30	1.79	19.29	7.66	3.15	2.71	0.12	0.48	0.88	3.04	4.90
683.20	2.02	20.24	8.29	3.51	2.82	0.12	0.48	0.88	3.23	5.19
683.10	2.30	20.60	8.93	3.63	3.00	0.12	0.48	0.94	3.37	5.38

683.00		2.48	21.43	9.62	3.87	3.11	0.12	0.48	0.94			3.54	5.65
682.90		2.76	22.50	9.85	4.05	3.34	0.12	0.48	1.00			3.72	5.90
682.80		3.11	23.33	10.37	4.40	3.46	0.35	0.48	1.00			3.92	6.20
682.70		3.34	23.99	10.89	4.58	3.57	0.41	0.48	1.06			4.07	6.43
682.60		3.57	24.94	12.10	4.76	3.69	0.53	0.48	1.06			4.31	6.80
682.50		3.69	25.54	12.79	5.00	3.80	0.59	0.48	1.06			4.46	7.04
682.40		3.86	26.01	13.77	5.12	3.97	0.59	0.55	1.12			4.64	7.31
682.30		4.15	26.49	14.34	5.71	4.09	0.70	0.55	1.18			4.83	7.59
682.20		4.21	27.56	15.50	5.89	4.21	0.76	0.55	1.35			5.07	7.98
682.10		4.44	28.51	16.19	6.25	4.32	0.94	0.55	1.53			5.30	8.34
682.00		4.84	29.17	17.28	6.43	4.38	0.94	0.55	1.53	0.12		5.50	8.62
681.90		4.95	30.12	18.49	6.55	4.67	0.99	0.55	1.53	0.31		5.75	9.00
681.80		5.13	31.19	19.76	7.38	5.01	1.23	0.55	1.59	0.31		6.09	9.55
681.70		5.36	31.79	20.79	7.86	5.24	1.23	0.55	1.65	0.31		6.31	9.89
681.60		5.59	32.98	21.49	8.39	5.65	1.29	0.55	1.71	0.37		6.58	10.31
681.50		5.76	34.11	22.52	9.17	5.99	1.40	0.55	1.77	0.43		6.90	10.81
681.40		5.82	35.30	23.21	9.88	6.22	1.76	0.67	1.83	0.43		7.18	11.29
681.30		5.93	36.49	23.96	10.71	6.34	1.87	0.79	1.88	0.49		7.47	11.74
681.20		6.11	36.96	24.65	11.49	6.68	1.99	0.79	2.12	0.49		7.70	12.12
681.10		6.22	38.51	25.29	12.20	6.97	2.11	0.85	2.47	0.56		8.03	12.65
681.00		6.39	39.82	26.21	12.80	7.55	2.22	0.85	2.65	0.56		8.36	13.18
680.90		6.39	41.25	26.96	13.33	7.83	2.28	0.91	2.77	0.62		8.63	13.64
680.80		6.51	42.20	28.17	13.81	8.35	2.57	0.97	3.00	0.68		8.97	14.18
680.70		6.57	42.98	28.92	14.17	8.93	2.81	0.97	3.18	0.74		9.22	14.59
680.60		6.68	43.93	29.55	14.70	9.45	2.81	0.97	3.24	0.74		9.46	14.98
680.50		6.74	44.88	30.30	15.30	9.97	2.93	1.09	3.65	0.86		9.76	15.48
680.40		7.14	45.83	31.11	16.01	10.48	3.10	1.21	3.83	1.05		10.11	15.97
680.30		7.43	46.55	32.32	16.55	10.89	3.10	1.21	4.00	1.36		10.42	16.41
680.20	0.13	7.83	47.68	33.53	17.20	11.41	3.28	1.27	4.24	1.60		10.81	16.98
680.10	0.19	8.01	48.57	34.22	17.92	12.04	3.39	1.33	4.42	1.79		11.13	17.45
680.00	0.19	8.29	49.76	35.08	18.81	13.02	3.51	1.45	4.59	1.98		11.53	18.08
679.90	0.19	8.58	50.71	36.06	19.46	13.42	3.86	1.64	4.77	2.16		11.88	18.61
679.80	0.25	8.87	51.61	37.15	20.36	14.17	4.10	1.70	4.95	2.41		12.28	19.19
679.70	0.32	9.04	52.26	38.42	21.85	14.80	4.27	1.88	5.01	2.47		12.68	19.83
679.60	0.63	9.56	53.10	39.80	23.33	15.55	4.45	2.00	5.42	2.65		13.20	20.57
679.50	0.63	9.85	54.05	41.13	24.05	16.30	4.51	2.24	5.89	2.78		13.62	21.22
679.40	0.70	10.31	55.06	42.05	25.65	17.17	4.68	2.48	6.42	2.90		14.12	21.99
679.30	0.83	10.48	55.65	42.97	26.61	18.20	4.80	2.73	6.71	3.09		14.52	22.58
679.20	0.89	10.71	56.67	44.35	27.62	19.35	4.92	3.03	7.01	3.27		15.00	23.34
679.10	0.95	11.12	57.32	45.33	28.81	20.16	5.21	3.21	7.24	3.64		15.44	23.96
679.00	0.95	11.41	58.21	46.20	30.06	20.79	5.68	3.70	7.66	3.83		15.90	24.68
678.90	1.02	11.87	58.93	47.24	31.19	21.31	5.97	4.06	7.83	3.95	0.18	16.32	25.28
678.80	1.08	12.38	60.00	48.21	32.08	22.29	6.44	4.42	8.24	4.32	0.24	16.84	26.02
678.70	1.08	12.73	60.77	49.14	32.62	22.64	7.02	5.15	8.48	4.51	0.30	17.24	26.61
678.60	1.14	13.02	61.49	49.83	33.21	23.68	7.49	5.33	8.95	5.00	0.30	17.66	27.21
678.50	1.27	13.48	62.50	50.86	34.40	24.94	8.02	5.94	9.31	5.43	0.36	18.26	28.07
678.40	1.27	13.65	63.15	51.84	35.30	25.69	8.66	6.55	9.84	5.62	0.36	18.71	28.79
678.30	1.33	14.00	64.05	52.82	36.55	26.79	9.19	6.79	10.25	5.93	0.36	19.23	29.57
678.20	1.33	14.57	64.82	53.97	38.45	27.82	9.65	7.09	10.78	6.23	0.42	19.83	30.45
678.10	1.46	15.15	65.36	55.13	39.76	28.97	10.01	7.39	11.01	6.79	0.54	20.37	31.17
678.00	1.46	15.32	66.31	56.11	41.01	30.41	10.53	7.82	11.66	7.41	0.84	20.98	32.06
677.90	1.46	15.96	67.02	56.74	41.96	31.39	10.94	8.30	11.90	8.15	0.96	21.48	32.69
677.80	1.59	16.36	67.74	57.89	43.57	32.55	11.59	8.73	12.31	8.70	1.02	22.08	33.57
677.70	1.59	16.76	68.81	58.81	44.46	33.81	12.17	9.15	12.66	9.14	1.20	22.63	34.36
677.60	1.65	17.57	69.64	59.85	45.60	34.50	12.58	9.94	12.90	9.75	1.26	23.19	35.09
677.50	1.71	17.80	70.60	60.89	47.74	35.66	12.87	10.91	13.37	10.43	1.38	23.87	36.09
677.40	1.71	18.38	72.02	62.04	49.52	36.69	13.58	11.70	14.02	11.11	1.87	24.65	37.17
677.30	1.71	19.07	72.98	63.25	50.95	37.56	13.93	12.18	14.25	11.85	2.29	25.27	37.96
677.20	1.84	19.93	73.39	64.46	52.44	38.25	14.80	12.91	14.66	12.78	2.95	25.97	38.79

677.10		1.97	20.45	73.93	65.21	54.23	39.29	15.80	13.58	15.25	13.21	3.49	26.65	39.70
677.00	0.29	2.10	21.54	74.52	66.01	55.65	39.98	17.14	14.36	16.02	13.89	4.70	27.46	40.62
676.90	0.41	2.22	22.58	75.24	67.22	56.67	41.71	18.20	15.39	16.96	15.12	5.54	28.39	41.72
676.80	0.82	2.41	23.50	75.83	67.80	58.15	43.03	19.49	15.94	17.43	15.99	7.10	29.25	42.62
676.70	1.00	2.67	24.37	76.67	68.55	58.69	44.24	20.48	16.36	18.08	18.02	8.43	30.09	43.39
676.60	1.35	3.05	25.17	77.38	69.87	60.36	45.16	21.53	17.15	18.85	19.44	9.87	31.06	44.43
676.50	2.05	3.56	25.98	78.27	70.97	61.96	46.89	22.59	17.70	19.43	21.11	12.34	32.20	45.50
676.40	3.17	4.32	27.94	79.23	72.06	63.45	48.21	23.82	18.36	20.73	23.02	13.79	33.47	46.66
676.30	4.87	4.83	29.15	80.18	73.27	65.12	49.37	24.93	19.33	21.44	24.51	16.13	34.72	47.77
676.20	6.98	5.33	29.95	80.71	74.83	66.55	51.38	26.27	20.73	22.50	26.79	18.00	36.13	49.10
676.10	9.09	5.90	31.05	81.61	76.84	67.98	53.17	27.85	22.30	23.73	29.51	20.41	37.75	50.61
676.00	11.96	7.17	32.49	82.80	78.23	69.70	55.13	29.84	24.30	25.97	32.16	23.30	39.72	52.39
675.90	15.48	8.25	34.22	83.87	79.61	71.49	56.34	32.18	26.36	27.74	35.06	25.95	41.68	54.05
675.80	19.35	9.52	36.46	85.71	81.39	73.63	58.53	34.58	28.24	29.51	37.90	29.44	43.99	56.05
675.70	23.11	11.68	38.77	87.20	83.41	76.07	60.60	37.51	31.27	32.74	42.22	32.45	46.72	58.51
675.60	28.33	15.68	42.17	88.99	85.83	78.15	62.85	41.95	37.58	36.40	47.28	36.06	50.39	61.77
675.50	34.08	21.59	47.29	90.71	88.19	81.49	67.45	49.44	44.67	44.05	53.46	41.66	55.61	66.66
675.40	41.99	30.22	53.40	93.10	90.55	85.60	75.00	59.04	56.12	57.36	66.42	49.91	63.45	73.89
675.30	55.84	44.76	62.85	95.12	93.55	89.76	82.26	72.26	72.12	74.97	79.26	60.26	73.76	82.90
675.20	73.61	63.11	75.69	97.38	96.37	94.05	89.34	84.44	84.91	90.52	88.95	74.35	84.51	91.02
675.10	90.09	81.65	84.85	98.81	98.04	96.73	94.59	94.32	94.24	97.35	94.14	84.83	92.53	96.30
675.00	95.60	90.73	91.01	99.40	99.08	98.39	96.49	98.71	98.18	99.59	97.28	93.08	96.49	98.54
674.90	97.48	95.30	95.05	99.70	99.71	99.40	98.10	99.71	99.45	100.00	98.95	96.63	98.30	99.44
674.80	97.65	97.33	96.95	99.82	99.94	99.70	98.85	99.94	99.76	100.00	99.63	98.80	99.03	99.71
674.70	97.77	97.84	98.68	99.88	99.94	99.82	99.48	100.00	100.00	100.00	99.94	99.40	99.40	99.87
674.60	97.95	98.16	98.96	100.00	100.00	100.00	99.77	100.00	100.00	100.00	100.00	99.58	99.54	99.97
674.50	98.36	99.24	99.25	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.70	99.71	100.00
674.40	98.71	99.56	99.77	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.76	99.82	100.00
674.30	99.06	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.94	99.92	100.00
674.20	99.82	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.99	100.00
674.10	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1937 TO 2005 1% of values are missing ST.CROIX STLM5 ELEV

Percent of time at or above indicated elevation For period 1937 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
693.70				0.14										
693.60				0.14										
693.50				0.19										
693.40				0.19										
693.30				0.19										
693.20				0.19										
693.10				0.19										
693.00				0.24										
692.90				0.24										
692.80				0.29										
692.70				0.29										
692.60				0.29										
692.50				0.29										
692.40				0.34										
692.30				0.34										
692.20				0.43										
692.10				0.43										
692.00				0.43										
691.90				0.43										
691.80				0.53										
691.70				0.58										
691.60				0.63										
691.50				0.63										
691.40				0.72										0.10
691.30				0.82										0.12
691.20				0.82										0.12
691.10				0.82										0.12
691.00				1.06										0.15
690.90				1.06										0.15
690.80				1.21									0.10	0.17
690.70				1.26									0.10	0.18
690.60				1.30									0.11	0.18
690.50				1.30									0.11	0.19
690.40				1.40									0.12	0.20
690.30				1.55									0.13	0.22
690.20				1.59									0.14	0.23
690.10				1.69									0.15	0.25
690.00				1.79									0.16	0.27
689.90				1.79									0.16	0.27
689.80				1.93									0.17	0.29
689.70				2.08									0.18	0.31
689.60				2.13									0.18	0.31
689.50				2.27	0.14								0.20	0.34
689.40				2.32	0.14								0.20	0.35
689.30				2.42	0.14								0.21	0.36
689.20				2.51	0.14								0.22	0.37

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689.10		2.66	0.14					0.23	0.40
689.00		2.75	0.14					0.24	0.41
688.90		2.75	0.19					0.24	0.42
688.80		2.80	0.19					0.25	0.42
688.70		2.80	0.19					0.25	0.42
688.60		2.85	0.19					0.25	0.43
688.50		3.00	0.19					0.26	0.45
688.40		3.04	0.19					0.27	0.46
688.30		3.19	0.23					0.28	0.48
688.20		3.33	0.23					0.30	0.50
688.10		3.38	0.23					0.30	0.51
688.00		3.48	0.23					0.31	0.52
687.90		3.48	0.23					0.31	0.52
687.80		3.53	0.23					0.32	0.54
687.70		3.57	0.23					0.32	0.55
687.60		3.67	0.23	0.14				0.34	0.57
687.50		3.86	0.23	0.14				0.35	0.60
687.40		4.01	0.28	0.14				0.37	0.63
687.30		4.06	0.33	0.19				0.38	0.65
687.20		4.20	0.37	0.24				0.40	0.68
687.10		4.25	0.47	0.24				0.41	0.70
687.00		4.30	0.65	0.24				0.43	0.74
686.90		4.49	0.75	0.24				0.46	0.78
686.80		4.54	0.75	0.24				0.47	0.79
686.70		4.69	0.84	0.24				0.49	0.82
686.60		4.83	0.94	0.24				0.51	0.86
686.50		4.83	0.94	0.24				0.51	0.87
686.40		5.02	1.03	0.29	0.19			0.55	0.93
686.30		5.17	1.12	0.29	0.19			0.57	0.96
686.20		5.31	1.26	0.29	0.19			0.59	1.00
686.10		5.41	1.40	0.29	0.33			0.62	1.06
686.00		5.60	1.50	0.29	0.42			0.65	1.11
685.90		5.75	1.64	0.29	0.47			0.68	1.16
685.80		5.80	1.82	0.29	0.51			0.71	1.20
685.70		6.04	1.92	0.29	0.65			0.75	1.27
685.60		6.38	2.01	0.29	0.75			0.79	1.34
685.50		6.71	2.10	0.43	0.89			0.85	1.45
685.40		6.86	2.10	0.53	1.08			0.89	1.51
685.30		7.15	2.24	0.63	1.08			0.94	1.58
685.20		7.34	2.43	0.77	1.12			0.99	1.66
685.10	0.14	7.63	2.57	0.77	1.22			1.03	1.74
685.00	0.14	8.07	2.57	0.87	1.26			1.08	1.82
684.90	0.33	8.26	2.66	0.97	1.36			1.15	1.90
684.80	0.37	8.41	2.81	1.16	1.40	0.25		1.21	2.00
684.70	0.42	8.74	2.90	1.30	1.40	0.29		1.26	2.09
684.60	0.51	9.13	3.13	1.35	1.40	0.29		1.33	2.19
684.50	0.56	9.47	3.23	1.55	1.45	0.29		1.39	2.28
684.40	0.70	9.76	3.46	1.59	1.50	0.29		1.46	2.38
684.30	0.84	9.95	3.55	1.79	1.54	0.29		1.52	2.46
684.20	0.94	10.34	3.65	1.98	1.59	0.29		1.59	2.56
684.10	1.12	10.58	3.93	2.13	1.59	0.34	0.29	1.68	2.69
684.00	1.17	11.21	4.07	2.32	1.64	0.34	0.29	1.77	2.84
683.90	1.22	11.69	4.39	2.46	1.73	0.34	0.43	1.87	3.01
683.80	1.31	12.13	4.86	2.61	1.78	0.34	0.52	1.98	3.18
683.70	1.40	12.61	5.28	3.09	1.87	0.34	0.52	2.11	3.39

683.60		1.50	13.43	5.70	3.29	1.92		0.34	0.57			2.25	3.61
683.50		1.54	14.25	6.08	3.62	2.01		0.34	0.62			2.40	3.85
683.40		1.73	15.27	6.36	3.82	2.01		0.39	0.67			2.55	4.08
683.30		1.92	16.28	6.78	4.15	2.20		0.39	0.71			2.73	4.36
683.20		2.10	17.29	7.43	4.44	2.34		0.39	0.71			2.92	4.66
683.10		2.57	17.63	7.95	4.59	2.52		0.39	0.76			3.07	4.84
683.00		2.76	18.36	8.65	5.02	2.62		0.39	0.76			3.25	5.12
682.90		2.99	19.52	8.93	5.22	2.85		0.39	0.81			3.43	5.39
682.80		3.32	20.39	9.40	5.56	2.95	0.28	0.39	0.81			3.62	5.67
682.70		3.55	21.06	10.00	5.80	3.09	0.33	0.39	0.86			3.79	5.92
682.60		3.83	22.17	10.99	6.09	3.18	0.43	0.39	0.86			4.03	6.29
682.50		4.02	23.00	11.69	6.43	3.27	0.47	0.39	0.86			4.22	6.58
682.40		4.21	23.67	12.76	6.81	3.55	0.47	0.44	0.90			4.45	6.94
682.30		4.49	24.35	13.51	7.34	3.69	0.57	0.44	0.95			4.66	7.26
682.20		4.58	25.41	14.82	7.49	3.88	0.62	0.44	1.09			4.91	7.68
682.10		4.82	26.57	15.38	7.78	3.97	0.76	0.44	1.24			5.13	8.02
682.00		5.19	27.20	16.41	7.92	4.02	0.76	0.44	1.24			5.33	8.28
681.90		5.28	28.26	17.48	8.12	4.35	0.81	0.44	1.24	0.25		5.58	8.67
681.80		5.47	29.37	18.56	8.94	4.63	0.99	0.44	1.29	0.25		5.89	9.18
681.70		5.70	30.00	19.50	9.47	4.96	0.99	0.44	1.33	0.25		6.12	9.53
681.60		5.98	31.11	20.10	9.95	5.28	1.04	0.44	1.38	0.30		6.37	9.90
681.50		6.12	32.17	20.94	10.68	5.66	1.14	0.44	1.43	0.35		6.65	10.35
681.40		6.17	33.19	21.51	11.30	6.22	1.42	0.54	1.48	0.35		6.92	10.81
681.30		6.26	34.49	22.25	12.17	6.31	1.52	0.64	1.52	0.40		7.20	11.27
681.20		6.45	35.02	22.86	12.85	6.59	1.61	0.64	1.71	0.40		7.42	11.62
681.10		6.55	36.47	23.47	13.43	6.87	1.71	0.69	2.00	0.45		7.71	12.09
681.00		6.69	37.63	24.36	13.91	7.34	1.80	0.69	2.14	0.45		8.00	12.56
680.90		6.69	39.03	25.15	14.49	7.67	1.85	0.74	2.24	0.50		8.28	13.03
680.80		6.78	40.10	26.32	15.17	8.18	2.08	0.78	2.43	0.55		8.62	13.59
680.70		6.87	40.97	27.07	15.51	8.70	2.27	0.78	2.57	0.60		8.87	13.99
680.60		7.01	41.98	27.68	16.04	9.16	2.27	0.78	2.62	0.60		9.11	14.37
680.50		7.06	43.19	28.52	16.52	9.63	2.37	0.88	2.95	0.70		9.41	14.87
680.40		7.43	44.40	29.36	17.39	10.10	2.51	1.03	3.09	0.85		9.78	15.42
680.30		7.67	45.46	30.48	17.92	10.52	2.51	1.13	3.24	1.09		10.11	15.90
680.20	0.10	7.99	46.86	31.56	18.55	10.99	2.65	1.18	3.43	1.29		10.49	16.47
680.10	0.15	8.13	47.87	32.21	19.28	11.50	2.75	1.23	3.57	1.44		10.79	16.93
680.00	0.15	8.42	48.89	33.05	20.10	12.39	2.84	1.32	3.71	1.59		11.15	17.48
679.90	0.15	8.70	49.71	34.03	20.77	12.76	3.13	1.47	3.86	1.74		11.48	17.98
679.80	0.21	8.93	50.68	35.02	21.55	13.37	3.32	1.57	4.00	1.94		11.83	18.51
679.70	0.26	9.07	51.30	36.14	22.90	13.93	3.46	1.72	4.05	1.99		12.19	19.09
679.60	0.51	9.49	52.13	37.35	24.25	14.59	3.60	1.86	4.38	2.14		12.65	19.75
679.50	0.51	9.72	53.09	38.57	24.93	15.24	3.65	2.06	4.76	2.24		13.03	20.35
679.40	0.57	10.10	54.01	39.41	26.38	15.94	3.79	2.25	5.19	2.34		13.47	21.02
679.30	0.67	10.29	54.69	40.35	27.20	16.88	3.88	2.45	5.43	2.49		13.83	21.57
679.20	0.72	10.52	55.80	41.51	28.12	17.86	3.98	2.75	5.66	2.64		14.27	22.26
679.10	0.77	10.89	56.38	42.45	29.32	18.51	4.22	2.89	5.85	2.94		14.67	22.83
679.00	0.77	11.13	57.25	43.34	30.72	19.03	4.59	3.33	6.19	3.08		15.11	23.52
678.90	0.82	11.55	58.02	44.32	31.74	19.54	4.83	3.68	6.33	3.18	0.15	15.50	24.09
678.80	0.88	11.97	58.94	45.44	32.85	20.43	5.21	4.02	6.66	3.48	0.19	16.00	24.82
678.70	0.88	12.25	59.90	46.56	33.43	20.71	5.68	4.61	6.85	3.63	0.24	16.39	25.42
678.60	0.93	12.62	60.72	47.22	34.15	21.69	6.06	4.85	7.23	4.03	0.24	16.81	26.02
678.50	1.03	13.09	61.64	48.25	35.41	22.81	6.49	5.44	7.52	4.38	0.29	17.36	26.82
678.40	1.03	13.23	62.46	49.09	36.28	23.47	7.01	5.93	7.95	4.53	0.29	17.78	27.48
678.30	1.08	13.56	63.48	49.98	37.29	24.54	7.44	6.13	8.28	4.78	0.29	18.25	28.19
678.20	1.08	14.21	64.35	51.24	39.08	25.48	7.82	6.57	8.71	5.02	0.34	18.84	29.07

678.10		1.18	14.68	64.88	52.50	40.34	26.60	8.10	6.91	8.90	5.47	0.44	19.35	29.78
678.00		1.18	14.91	65.80	53.53	41.50	27.86	8.53	7.30	9.42	5.97	0.68	19.92	30.60
677.90		1.18	15.57	66.57	54.56	42.37	28.80	8.86	7.89	9.61	6.57	0.78	20.43	31.27
677.80		1.29	15.90	67.20	55.77	43.72	29.92	9.38	8.33	9.95	7.01	0.82	20.97	32.08
677.70		1.29	16.32	68.26	56.80	44.78	31.04	9.85	8.77	10.23	7.36	0.97	21.51	32.86
677.60		1.34	17.11	69.23	57.83	45.89	31.74	10.23	9.61	10.42	7.86	1.02	22.07	33.61
677.50		1.39	17.30	70.05	58.91	47.92	33.01	10.61	10.39	10.80	8.41	1.12	22.70	34.57
677.40		1.39	17.77	71.30	60.12	49.47	33.99	11.27	11.18	11.38	8.96	1.50	23.41	35.57
677.30		1.39	18.37	72.13	61.24	50.87	34.74	11.61	11.62	11.57	9.55	1.84	23.96	36.29
677.20		1.49	19.12	72.66	62.41	52.42	35.34	12.32	12.21	11.99	10.30	2.38	24.61	37.09
677.10		1.60	19.68	73.43	63.72	53.91	36.28	13.17	12.84	12.52	10.65	2.81	25.28	38.02
677.00	0.24	1.70	20.66	74.11	64.61	55.36	36.93	14.26	13.73	13.14	11.29	3.78	26.05	38.92
676.90	0.33	1.80	21.65	74.88	65.83	56.38	38.38	15.16	14.61	13.90	12.44	4.46	26.89	39.92
676.80	0.66	1.96	22.53	75.41	66.67	57.78	39.55	16.20	15.29	14.37	13.23	5.73	27.69	40.80
676.70	0.81	2.16	23.24	76.18	67.70	58.36	40.58	17.05	15.69	15.09	15.17	6.79	28.48	41.57
676.60	1.09	2.47	24.12	76.96	68.91	59.95	41.51	17.91	16.37	16.04	16.52	7.96	29.39	42.57
676.50	1.66	2.88	24.92	77.92	70.03	61.35	43.06	19.00	16.96	16.90	18.11	9.95	30.47	43.65
676.40	2.56	3.50	26.55	78.84	71.06	62.66	44.32	20.04	17.70	18.28	19.80	11.11	31.62	44.75
676.30	3.94	3.91	27.54	79.90	72.28	64.15	45.49	21.17	18.63	19.32	21.00	13.00	32.78	45.90
676.20	5.65	4.33	28.28	80.43	73.87	65.31	47.22	22.55	19.85	20.42	22.94	14.51	34.04	47.15
676.10	7.35	4.79	29.17	81.30	75.74	66.67	48.76	23.87	21.37	21.75	25.12	16.45	35.46	48.55
676.00	9.68	5.82	30.39	82.42	77.14	68.12	50.49	25.77	23.04	24.04	27.36	18.78	37.18	50.20
675.90	12.52	6.69	32.02	83.33	78.82	69.71	51.66	28.04	24.95	25.70	29.85	20.96	38.95	51.81
675.80	15.65	7.72	33.94	85.17	80.41	71.69	53.62	30.13	26.67	27.27	32.29	23.87	40.97	53.63
675.70	18.69	9.47	36.09	86.52	82.28	73.82	55.54	33.06	29.71	30.22	36.12	26.49	43.43	55.94
675.60	22.91	12.72	39.13	88.55	84.85	75.75	57.92	37.23	35.44	33.70	40.80	29.55	46.80	59.11
675.50	27.61	17.66	43.71	90.19	87.19	78.99	62.37	43.87	42.35	40.93	46.62	34.45	51.58	63.74
675.40	34.39	25.03	49.18	92.56	89.67	83.29	69.33	53.24	53.53	53.74	59.35	41.87	58.99	70.80
675.30	47.01	37.85	58.49	94.30	93.36	87.78	76.76	66.70	69.07	71.35	72.44	52.06	69.11	79.92
675.20	64.23	55.56	71.25	96.38	96.40	92.85	85.18	79.87	82.75	87.34	82.89	66.72	80.26	88.68
675.10	80.88	73.33	80.22	97.68	98.13	95.80	91.96	90.95	92.79	94.91	90.00	78.31	88.83	94.60
675.00	87.33	83.01	86.49	98.16	99.21	97.58	94.58	95.50	96.86	97.43	93.23	87.19	93.10	97.04
674.90	89.28	87.28	90.51	98.50	99.77	98.70	96.03	96.31	97.99	98.00	95.22	91.95	95.00	97.89
674.80	89.61	89.08	92.33	98.65	99.95	99.03	96.68	96.59	98.33	98.10	96.17	95.05	95.83	98.19
674.70	89.75	89.50	94.02	98.70	99.95	99.32	97.24	96.78	98.53	98.19	96.77	96.07	96.27	98.38
674.60	89.99	89.75	94.48	98.89	100.00	99.52	97.52	97.06	98.53	98.24	97.01	96.56	96.49	98.53
674.50	90.46	90.68	94.81	98.94	100.00	99.52	97.71	97.30	98.53	98.48	97.16	96.70	96.72	98.64
674.40	90.84	90.99	95.28	99.03	100.00	99.66	97.76	97.92	98.53	98.52	97.26	96.75	96.91	98.77
674.30	91.13	91.35	95.47	99.08	100.00	99.76	97.80	98.01	98.53	98.52	97.36	96.94	97.02	98.81
674.20	91.84	91.40	95.47	99.18	100.00	99.81	97.85	98.11	98.53	98.52	97.41	96.99	97.12	98.85
674.10	92.08	91.45	95.56	99.23	100.00	99.90	97.94	98.11	98.53	98.52	97.41	96.99	97.17	98.89
674.00	92.13	91.61	95.56	99.32	100.00	99.95	98.04	98.15	98.53	98.52	97.46	96.99	97.22	98.93
673.90	92.13	91.71	95.56	99.32	100.00	99.95	98.08	98.15	98.53	98.52	97.51	96.99	97.23	98.94
673.80	92.27	91.76	95.61	99.32	100.00	99.95	98.08	98.15	98.53	98.52	97.56	96.99	97.26	98.94
673.70	92.41	92.07	95.65	99.32	100.00	100.00	98.08	98.20	98.53	98.52	97.61	96.99	97.31	98.95
673.60	92.60	92.17	95.65	99.42	100.00	100.00	98.13	98.20	98.53	98.52	97.66	96.99	97.35	98.97
673.51	92.65	92.38	95.70	99.47	100.00	100.00	98.13	98.20	98.53	98.52	97.76	96.99	97.38	98.98
673.41	92.69	92.58	95.70	99.47	100.00	100.00	98.22	98.20	98.53	98.52	97.86	96.99	97.42	98.99
673.31	92.84	92.89	95.84	99.57	100.00	100.00	98.32	98.25	98.53	98.52	97.96	96.99	97.50	99.03
673.21	92.98	93.46	95.93	99.57	100.00	100.00	98.41	98.39	98.53	98.52	98.06	96.99	97.59	99.06
673.11	93.07	93.87	96.26	99.66	100.00	100.00	98.41	98.44	98.53	98.52	98.06	96.99	97.67	99.08
673.01	93.17	94.13	96.35	99.66	100.00	100.00	98.55	98.48	98.53	98.52	98.11	96.99	97.73	99.11
672.91	93.26	94.18	96.35	99.66	100.00	100.00	98.64	98.53	98.53	98.52	98.16	96.99	97.75	99.13
672.81	93.41	94.23	96.35	99.66	100.00	100.00	98.64	98.53	98.53	98.52	98.21	96.99	97.77	99.13
672.71	93.55	94.59	96.35	99.71	100.00	100.00	98.69	98.53	98.53	98.52	98.21	96.99	97.82	99.14

672.61	94.02	95.01	96.35	99.71	100.00	100.00	98.83	98.53	98.53	98.52	98.21	96.99	97.91	99.16
672.51	94.59	95.11	96.40	99.71	100.00	100.00	98.83	98.53	98.53	98.52	98.21	96.99	97.97	99.16
672.41	95.02	95.42	96.45	99.71	100.00	100.00	98.83	98.53	98.53	98.52	98.36	97.09	98.05	99.16
672.31	95.78	96.29	96.77	99.71	100.00	100.00	98.83	98.53	98.53	98.52	98.41	97.43	98.24	99.16
672.21	96.30	96.86	97.43	99.71	100.00	100.00	98.88	98.53	98.53	98.52	98.46	97.96	98.44	99.17
672.11	96.82	97.01	97.76	99.76	100.00	100.00	98.88	98.53	98.53	98.52	98.46	98.30	98.56	99.18
672.01	97.01	97.12	97.80	99.76	100.00	100.00	98.88	98.53	98.53	98.52	98.51	98.50	98.60	99.18
671.91	97.06	97.12	97.80	99.76	100.00	100.00	98.88	98.53	98.53	98.52	98.51	98.50	98.61	99.18
671.81	97.06	97.12	97.80	99.81	100.00	100.00	98.88	98.53	98.53	98.52	98.51	98.50	98.61	99.18
671.71	97.06	97.12	97.80	99.81	100.00	100.00	98.88	98.53	98.53	98.52	98.51	98.50	98.61	99.18
671.61	97.06	97.12	97.80	99.81	100.00	100.00	98.88	98.53	98.53	98.52	98.51	98.50	98.61	99.18
671.51	97.06	97.12	97.80	99.81	100.00	100.00	98.88	98.53	98.53	98.52	98.51	98.50	98.61	99.18
671.41	97.06	97.12	97.80	99.81	100.00	100.00	98.92	98.53	98.53	98.52	98.51	98.50	98.62	99.19
671.31	97.06	97.12	97.80	99.86	100.00	100.00	98.92	98.53	98.53	98.52	98.51	98.50	98.62	99.20
671.21	97.06	97.12	97.80	99.86	100.00	100.00	98.97	98.53	98.53	98.52	98.51	98.50	98.62	99.20
671.11	97.06	97.12	97.85	99.86	100.00	100.00	99.02	98.53	98.53	98.52	98.51	98.50	98.63	99.21
671.01	97.06	97.12	98.36	99.86	100.00	100.00	99.02	98.58	98.53	98.52	98.51	98.50	98.68	99.22
670.91	97.06	97.12	98.41	99.90	100.00	100.00	99.02	98.63	98.53	98.52	98.51	98.50	98.69	99.23
670.81	97.06	97.12	98.41	99.95	100.00	100.00	99.02	98.67	98.53	98.52	98.51	98.50	98.70	99.24
670.71	97.06	97.12	98.50	99.95	100.00	100.00	99.02	98.72	98.53	98.52	98.51	98.50	98.71	99.25
670.61	97.06	97.12	98.60	100.00	100.00	100.00	99.02	98.72	98.58	98.52	98.51	98.50	98.73	99.26
670.51	97.06	97.12	98.74	100.00	100.00	100.00	99.02	98.82	98.58	98.52	98.51	98.50	98.75	99.28
670.41	97.06	97.12	98.92	100.00	100.00	100.00	99.02	98.82	98.63	98.52	98.51	98.50	98.77	99.28
670.31	97.06	97.12	98.97	100.00	100.00	100.00	99.02	98.91	98.73	98.52	98.51	98.50	98.79	99.31
670.21	97.06	97.12	99.11	100.00	100.00	100.00	99.02	98.91	98.73	98.52	98.51	98.50	98.80	99.31
670.11	97.06	97.12	99.11	100.00	100.00	100.00	99.16	99.01	98.77	98.52	98.51	98.50	98.82	99.35
670.01	97.15	97.27	99.25	100.00	100.00	100.00	99.30	99.10	98.77	98.52	98.51	98.50	98.88	99.39
669.91	97.20	97.27	99.35	100.00	100.00	100.00	99.35	99.19	98.77	98.52	98.51	98.50	98.90	99.41
669.81	97.20	97.27	99.35	100.00	100.00	100.00	99.53	99.29	98.82	98.57	98.51	98.50	98.93	99.46
669.71	97.39	98.87	99.72	100.00	100.00	100.00	99.58	99.43	99.17	98.62	98.51	98.50	99.15	99.54
669.61	97.49	99.07	99.95	100.00	100.00	100.00	99.81	99.53	99.36	98.76	98.56	98.50	99.26	99.64
669.51	97.49	99.38	100.00	100.00	100.00	100.00	99.86	99.53	99.66	99.00	98.56	98.50	99.33	99.72
669.41	97.49	99.69	100.00	100.00	100.00	100.00	99.95	99.57	99.75	99.14	98.61	98.50	99.39	99.78
669.31	97.82	100.00	100.00	100.00	100.00	100.00	99.95	99.67	99.95	99.33	98.91	98.50	99.51	99.84
669.21	98.62	100.00	100.00	100.00	100.00	100.00	100.00	99.72	100.00	99.43	99.10	98.59	99.62	99.88
669.11	98.72	100.00	100.00	100.00	100.00	100.00	100.00	99.81	100.00	99.52	99.40	98.84	99.69	99.90
669.01	99.38	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.71	99.65	99.13	99.82	99.96
668.91	99.38	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.76	99.75	99.37	99.86	99.97
668.81	99.48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.81	99.85	99.76	99.91	99.97
668.71	99.48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.90	99.85	100.00	99.94	99.99
668.61	99.57	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.85	100.00	99.95	100.00
668.51	99.57	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.95	100.00	99.96	100.00
668.41	99.62	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.97	100.00
668.31	99.62	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.97	100.00
668.21	99.67	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.97	100.00
668.11	99.67	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.97	100.00
668.01	99.81	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.98	100.00
667.91	99.81	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.98	100.00
667.81	99.81	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.98	100.00
667.71	99.86	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.99	100.00
667.61	99.91	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.99	100.00
667.51	99.91	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.99	100.00
667.41	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1965 TO 2005 1% of values are missing ST.CROIX STLM5 ELEV

Percent of time at or above indicated elevation For period 1965 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
693.90				0.16										
693.80				0.16										
693.70				0.24										
693.60				0.24										
693.50				0.33										
693.40				0.33										
693.30				0.33										
693.20				0.33										
693.10				0.33										
693.00				0.41										
692.90				0.41										
692.80				0.49										
692.70				0.49										
692.60				0.49										
692.50				0.49										
692.40				0.57										
692.30				0.57										
692.20				0.73										0.10
692.10				0.73										0.10
692.00				0.73										0.10
691.90				0.73										0.10
691.80				0.89										0.13
691.70				0.98										0.14
691.60				1.06										0.15
691.50				1.06										0.15
691.40				1.22									0.10	0.17
691.30				1.38									0.12	0.20
691.20				1.38									0.12	0.20
691.10				1.38									0.12	0.20
691.00				1.79									0.15	0.25
690.90				1.79									0.15	0.25
690.80				2.03									0.17	0.29
690.70				2.11									0.18	0.30
690.60				2.20									0.18	0.31
690.50				2.20									0.19	0.32
690.40				2.36									0.20	0.35
690.30				2.60									0.22	0.38
690.20				2.68									0.23	0.39
690.10				2.85	0.16								0.25	0.43
690.00				3.01	0.16								0.27	0.45
689.90				3.01	0.16								0.27	0.45
689.80				3.25	0.16								0.29	0.48
689.70				3.41	0.16								0.30	0.51
689.60				3.41	0.16								0.30	0.51
689.50				3.50	0.24								0.31	0.53
689.40				3.50	0.24								0.31	0.53
689.30				3.66	0.24								0.33	0.55
689.20				3.74	0.24								0.33	0.56
689.10				3.98	0.24								0.35	0.60
689.00				4.07	0.24								0.36	0.61

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688.90		4.07	0.31						0.37	0.62
688.80		4.07	0.31						0.37	0.62
688.70		4.07	0.31						0.37	0.62
688.60		4.15	0.31						0.37	0.63
688.50		4.31	0.31						0.39	0.66
688.40		4.39	0.31						0.39	0.67
688.30		4.55	0.39						0.41	0.70
688.20		4.63	0.39						0.42	0.71
688.10		4.63	0.39						0.42	0.71
688.00		4.72	0.39						0.43	0.73
687.90		4.72	0.39						0.43	0.73
687.80		4.72	0.39						0.44	0.74
687.70		4.80	0.39	0.16					0.45	0.76
687.60		4.88	0.39	0.24					0.46	0.78
687.50		5.12	0.39	0.24					0.48	0.82
687.40		5.20	0.39	0.24					0.49	0.83
687.30		5.28	0.39	0.33					0.50	0.85
687.20		5.53	0.47	0.41					0.54	0.91
687.10		5.53	0.63	0.41					0.55	0.93
687.00		5.61	0.87	0.41					0.58	0.98
686.90		5.93	1.02	0.41					0.63	1.06
686.80		5.93	1.02	0.41					0.63	1.06
686.70		6.10	1.10	0.41					0.65	1.09
686.60		6.26	1.26	0.41					0.67	1.14
686.50		6.26	1.26	0.41	0.16				0.68	1.15
686.40		6.42	1.42	0.49	0.31				0.73	1.23
686.30		6.67	1.49	0.49	0.31				0.75	1.28
686.20		6.83	1.73	0.49	0.31				0.79	1.34
686.10		6.99	1.89	0.49	0.55				0.84	1.42
686.00		7.32	2.05	0.49	0.71				0.89	1.51
685.90		7.40	2.12	0.49	0.79				0.91	1.54
685.80		7.48	2.36	0.49	0.87				0.94	1.60
685.70		7.80	2.44	0.49	0.94				0.99	1.67
685.60		8.29	2.60	0.49	1.10				1.05	1.79
685.50		8.70	2.68	0.73	1.34				1.14	1.92
685.40		8.94	2.68	0.81	1.57				1.18	2.01
685.30		9.35	2.83	0.89	1.57				1.24	2.10
685.20		9.59	3.07	0.98	1.57				1.28	2.18
685.10		9.92	3.30	0.98	1.65				1.34	2.27
685.00		10.33	3.30	1.06	1.65				1.38	2.34
684.90	0.24	10.65	3.46	1.14	1.73		0.17		1.47	2.45
684.80	0.31	10.89	3.62	1.38	1.81		0.42		1.56	2.59
684.70	0.31	11.30	3.70	1.63	1.81		0.50		1.62	2.71
684.60	0.39	11.95	4.01	1.63	1.81		0.50		1.72	2.86
684.50	0.47	12.36	4.01	1.63	1.89		0.50		1.77	2.93
684.40	0.71	12.60	4.41	1.71	1.89		0.50	0.16	1.86	3.04
684.30	0.94	12.93	4.41	1.87	1.89		0.50	0.16	1.92	3.12
684.20	1.02	13.50	4.48	2.03	1.97		0.50	0.16	2.01	3.25
684.10	1.34	13.82	4.80	2.11	1.97		0.58	0.49	2.13	3.41
684.00	1.42	14.63	5.04	2.44	2.05		0.58	0.49	2.26	3.62
683.90	1.42	15.20	5.35	2.52	2.12		0.58	0.73	2.37	3.80
683.80	1.57	15.69	5.82	2.60	2.20		0.58	0.89	2.49	3.99
683.70	1.73	16.26	5.98	2.68	2.20		0.58	0.89	2.57	4.10
683.60	1.81	17.24	6.37	2.76	2.28	0.16	0.58	0.97	2.72	4.34
683.50	1.89	18.21	6.92	3.01	2.44	0.16	0.58	1.05	2.90	4.63
683.40	2.12	19.67	7.40	3.01	2.44	0.16	0.67	1.14	3.09	4.93
683.30	2.44	20.98	8.03	3.41	2.68	0.16	0.67	1.22	3.34	5.31
683.20	2.75	22.20	8.65	3.82	2.83	0.16	0.67	1.22	3.58	5.66
683.10	3.15	22.60	9.52	3.82	2.99	0.16	0.67	1.30	3.74	5.88

683.00		3.38	23.66	10.15	4.07	3.15	0.16	0.67	1.30			3.94	6.18
682.90		3.78	24.88	10.31	4.23	3.38	0.16	0.67	1.38			4.13	6.44
682.80		4.25	25.85	10.94	4.55	3.54	0.24	0.67	1.38			4.35	6.75
682.70		4.56	26.75	11.33	4.80	3.70	0.24	0.67	1.46			4.53	7.01
682.60		4.88	28.05	12.59	5.04	3.78	0.24	0.67	1.46			4.80	7.42
682.50		5.04	28.70	13.38	5.37	3.86	0.24	0.67	1.46			4.97	7.69
682.40		5.27	29.27	14.32	5.53	4.01	0.24	0.75	1.54			5.17	7.97
682.30		5.66	29.92	14.95	6.18	4.17	0.24	0.75	1.62			5.38	8.29
682.20		5.74	31.14	16.05	6.34	4.33	0.32	0.75	1.87			5.64	8.71
682.10		6.06	32.28	16.84	6.83	4.33	0.48	0.75	2.11			5.91	9.12
682.00		6.61	33.17	17.86	6.99	4.41	0.48	0.75	2.11	0.17		6.15	9.43
681.90		6.77	34.23	19.04	7.15	4.64	0.56	0.75	2.11	0.43		6.41	9.82
681.80		6.92	35.61	20.38	8.13	4.96	0.72	0.75	2.19	0.43		6.78	10.43
681.70		7.08	36.42	21.64	8.70	5.11	0.72	0.75	2.27	0.43		7.04	10.84
681.60		7.32	37.97	22.50	9.35	5.59	0.80	0.75	2.35	0.51		7.38	11.37
681.50		7.47	39.51	23.21	10.08	5.98	0.88	0.75	2.43	0.60		7.70	11.88
681.40		7.55	40.73	24.08	10.73	6.06	1.37	0.83	2.51	0.60		8.00	12.38
681.30		7.71	42.11	24.86	11.46	6.14	1.45	0.83	2.60	0.68		8.29	12.83
681.20		7.95	42.60	25.73	12.11	6.53	1.45	0.83	2.92	0.68		8.54	13.22
681.10		8.10	44.07	26.44	13.01	6.85	1.61	0.83	3.41	0.77		8.90	13.79
681.00		8.26	44.96	27.38	13.74	7.16	1.77	0.83	3.65	0.77		9.19	14.27
680.90		8.26	46.18	28.32	14.39	7.47	1.85	0.83	3.81	0.85		9.48	14.75
680.80		8.42	47.15	29.98	14.80	7.87	2.17	0.83	4.14	0.94		9.85	15.34
680.70		8.50	47.89	31.00	15.28	8.34	2.41	0.83	4.38	1.03		10.14	15.80
680.60		8.65	48.86	31.47	16.02	8.97	2.41	0.83	4.46	1.03		10.39	16.21
680.50		8.73	49.59	32.42	16.34	9.21	2.57	0.92	5.03	1.20		10.67	16.65
680.40		9.21	50.49	33.28	16.99	9.68	2.65	1.00	5.27	1.37		11.01	17.12
680.30		9.60	51.30	34.70	17.48	9.99	2.65	1.00	5.52	1.71		11.35	17.60
680.20	0.17	10.15	52.36	36.03	18.05	10.46	2.82	1.08	5.84	2.05		11.77	18.17
680.10	0.26	10.39	53.33	36.66	18.46	10.94	2.98	1.08	6.08	2.22		12.06	18.59
680.00	0.26	10.78	54.72	37.45	19.27	11.72	3.14	1.25	6.33	2.48		12.48	19.21
679.90	0.26	11.17	55.69	38.39	20.08	12.12	3.54	1.50	6.57	2.74		12.88	19.79
679.80	0.35	11.57	56.59	39.65	20.98	12.82	3.78	1.58	6.81	3.08		13.31	20.41
679.70	0.43	11.72	57.48	41.07	22.85	13.45	4.02	1.75	6.89	3.16		13.79	21.17
679.60	0.87	12.43	58.13	42.56	24.63	14.24	4.26	1.92	7.46	3.42		14.38	21.99
679.50	0.87	12.82	59.02	43.98	25.53	15.03	4.26	2.17	8.11	3.59		14.85	22.69
679.40	0.96	13.45	60.16	44.93	27.40	15.97	4.34	2.50	8.84	3.76		15.43	23.55
679.30	1.13	13.69	60.81	45.71	28.29	17.15	4.51	2.75	9.25	3.93		15.85	24.18
679.20	1.22	14.00	61.71	47.29	29.59	18.41	4.51	3.17	9.65	4.10		16.39	25.02
679.10	1.30	14.56	62.44	48.31	30.98	19.35	4.83	3.42	9.98	4.62		16.91	25.73
679.00	1.30	14.95	63.41	49.33	32.52	20.14	5.39	4.00	10.54	4.87		17.48	26.60
678.90	1.39	15.58	63.90	50.35	33.74	20.46	5.71	4.50	10.79	5.04	0.25	17.91	27.18
678.80	1.48	16.21	64.80	51.38	34.72	21.64	6.11	5.00	11.35	5.56	0.33	18.49	27.98
678.70	1.48	16.68	65.28	52.40	35.28	22.03	6.68	5.92	11.68	5.73	0.42	18.91	28.59
678.60	1.56	17.07	65.61	53.11	36.10	23.21	7.32	6.17	12.33	6.32	0.42	19.39	29.25
678.50	1.74	17.62	66.42	54.05	37.48	24.70	7.88	6.92	12.81	6.84	0.50	20.04	30.17
678.40	1.74	17.78	66.99	55.23	38.37	25.26	8.61	7.58	13.54	7.09	0.50	20.52	30.93
678.30	1.82	18.17	67.97	56.18	40.00	26.36	9.33	7.75	14.11	7.52	0.50	21.11	31.80
678.20	1.82	18.96	68.78	57.51	42.20	27.30	9.81	8.08	14.84	7.86	0.58	21.79	32.78
678.10	2.00	19.67	69.35	58.62	43.66	28.32	10.14	8.42	15.17	8.63	0.58	22.37	33.52
678.00	2.00	19.75	70.24	59.72	44.96	29.90	10.78	8.92	16.06	9.49	1.00	23.06	34.51
677.90	2.00	20.61	70.65	60.50	45.85	31.08	11.10	9.50	16.38	10.51	1.00	23.60	35.16
677.80	2.17	21.16	71.14	61.61	47.80	32.49	11.67	10.00	16.95	11.28	1.08	24.28	36.10
677.70	2.17	21.64	72.11	62.79	48.86	33.99	12.39	10.42	17.44	11.79	1.25	24.92	37.01
677.60	2.26	22.58	73.09	63.57	49.92	34.78	12.71	11.25	17.76	12.65	1.33	25.51	37.74
677.50	2.35	22.90	74.15	64.67	52.36	35.88	12.87	12.42	18.33	13.59	1.50	26.27	38.82
677.40	2.35	23.60	75.28	65.77	54.31	36.90	13.68	13.42	19.06	14.53	2.08	27.10	39.93
677.30	2.35	24.47	75.93	66.64	55.77	38.00	14.08	14.00	19.30	15.38	2.67	27.74	40.69
677.20	2.52	25.26	76.34	67.82	57.56	38.87	14.96	14.67	19.71	16.50	3.58	28.51	41.58

677.10		2.69	25.73	76.75	68.61	59.59	40.20	16.09	15.33	20.52	17.09	4.25	29.28	42.60
677.00	0.40	2.87	27.14	77.07	69.24	61.22	40.99	17.38	16.25	21.09	18.03	5.92	30.17	43.48
676.90	0.56	3.04	28.32	77.72	70.50	62.44	43.19	18.50	17.25	21.98	19.74	7.00	31.23	44.68
676.80	1.13	3.30	29.50	78.13	71.13	63.66	44.69	19.95	17.83	22.47	20.94	8.92	32.18	45.58
676.70	1.37	3.56	30.61	78.86	71.60	63.90	46.18	21.08	18.42	23.28	23.59	10.67	33.13	46.36
676.60	1.85	4.00	31.63	79.59	72.70	65.69	47.29	22.37	19.25	24.17	25.38	12.67	34.26	47.46
676.50	2.82	4.60	32.65	80.24	73.80	67.48	49.49	23.49	19.83	24.98	27.61	15.67	35.59	48.65
676.40	4.35	5.56	34.93	80.89	74.74	69.19	51.22	24.70	20.42	26.68	30.17	17.25	37.05	49.87
676.30	6.69	6.26	36.59	81.63	75.85	71.06	52.71	25.74	21.17	27.58	32.14	19.92	38.48	51.00
676.20	9.35	6.95	37.45	82.11	77.42	72.52	55.23	26.95	22.58	28.87	35.13	22.33	40.12	52.43
676.10	12.18	7.65	38.79	82.93	79.46	74.15	57.51	28.16	24.08	30.41	38.80	25.67	42.02	54.01
676.00	15.89	9.30	40.52	83.98	80.96	76.26	59.80	30.33	26.17	33.33	42.48	29.67	44.42	56.03
675.90	20.08	10.69	42.56	84.96	82.14	78.13	61.37	32.90	28.42	35.60	46.24	33.33	46.72	57.84
675.80	24.52	12.25	45.24	86.99	83.40	79.92	63.89	35.72	30.33	37.63	49.66	38.17	49.33	59.89
675.70	29.35	14.86	48.23	88.54	85.13	81.46	66.09	39.26	33.75	41.12	54.19	41.92	52.33	62.38
675.60	36.45	19.81	52.64	90.24	86.94	83.17	68.21	43.93	40.67	44.77	59.74	46.17	56.38	65.58
675.50	44.19	27.54	58.46	91.87	88.83	86.18	73.01	52.37	48.00	52.80	65.04	53.08	62.07	70.58
675.40	52.90	38.05	65.15	94.47	91.19	89.19	80.88	62.67	59.00	65.94	75.98	61.83	70.01	77.74
675.30	65.81	55.26	74.11	96.50	94.18	92.36	86.86	76.43	75.08	80.78	85.81	71.75	79.74	86.09
675.20	82.10	73.68	85.92	97.97	96.93	95.69	92.68	87.29	86.67	92.78	92.91	82.17	89.00	92.89
675.10	95.24	89.49	92.68	99.02	98.51	97.80	97.25	94.85	95.33	98.22	96.24	89.75	95.41	97.29
675.00	98.79	96.18	97.25	99.59	99.13	99.27	98.35	98.47	98.33	99.68	98.46	95.25	98.25	98.97
674.90	100.00	99.22	98.66	99.76	99.61	100.00	99.53	99.68	99.42	100.00	99.32	97.92	99.43	99.71
674.80	100.00	99.91	99.45	99.84	99.92	100.00	99.92	99.92	99.75	100.00	99.83	99.42	99.83	99.91
674.70	100.00	100.00	100.00	99.84	99.92	100.00	100.00	100.00	100.00	100.00	100.00	99.75	99.96	99.97
674.60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1985 TO 2005 3% of values are missing ST.CROIX STLM5 ELEV

Percent of time at or above indicated elevation For period 1985 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
691.40				0.32										
691.30				0.48										
691.20				0.48										
691.10				0.48										
691.00				1.11										0.16
690.90				1.11										0.16
690.80				1.27									0.11	0.18
690.70				1.43									0.12	0.20
690.60				1.59									0.13	0.23
690.50				1.59	0.15								0.15	0.25
690.40				1.90	0.15								0.18	0.30
690.30				2.38	0.15								0.22	0.36
690.20				2.54	0.15								0.23	0.39
690.10				2.70	0.31								0.26	0.43
690.00				2.86	0.31								0.27	0.45
689.90				2.86	0.31								0.27	0.45
689.80				3.17	0.31								0.30	0.50
689.70				3.33	0.31								0.31	0.52
689.60				3.33	0.31								0.31	0.52
689.50				3.49	0.46								0.34	0.57
689.40				3.49	0.46								0.34	0.57
689.30				3.65	0.46								0.35	0.59
689.20				3.81	0.46								0.36	0.61
689.10				4.13	0.46								0.39	0.66
689.00				4.29	0.46								0.40	0.68
688.90				4.29	0.61								0.42	0.70
688.80				4.29	0.61								0.42	0.70
688.70				4.29	0.61								0.42	0.70
688.60				4.44	0.61								0.43	0.73
688.50				4.60	0.61								0.45	0.75
688.40				4.60	0.61								0.45	0.75
688.30				4.60	0.77								0.46	0.77
688.20				4.76	0.77								0.47	0.80
688.10				4.76	0.77								0.47	0.80
688.00				4.92	0.77								0.49	0.82
687.90				4.92	0.77								0.49	0.82
687.80				4.92	0.77	0.16							0.50	0.84
687.70				4.92	0.77	0.32							0.51	0.86
687.60				5.08	0.77	0.48							0.54	0.91
687.50				5.40	0.77	0.48							0.57	0.95
687.40				5.56	0.77	0.48							0.58	0.98
687.30				5.71	0.77	0.63							0.61	1.02
687.20				5.87	0.92	0.79							0.65	1.09
687.10				5.87	0.92	0.79							0.65	1.09
687.00				5.87	1.08	0.79							0.66	1.11
686.90				6.19	1.38	0.79	0.15						0.73	1.23

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686.80		6.19	1.38	0.79	0.15				0.73	1.23
686.70		6.35	1.38	0.79	0.15				0.74	1.25
686.60		6.67	1.69	0.79	0.15				0.80	1.34
686.50		6.67	1.69	0.79	0.31				0.81	1.36
686.40		6.83	1.84	0.95	0.31				0.85	1.43
686.30		6.98	2.00	0.95	0.31				0.88	1.48
686.20		7.14	2.46	0.95	0.31				0.93	1.57
686.10		7.14	2.76	0.95	0.61				0.99	1.66
686.00		7.30	2.92	0.95	0.92				1.04	1.75
685.90		7.46	3.07	0.95	1.08				1.08	1.82
685.80		7.46	3.53	0.95	1.23				1.13	1.91
685.70		7.78	3.53	0.95	1.38				1.17	1.98
685.60		8.25	3.69	0.95	1.69				1.26	2.11
685.50		8.57	3.84	1.11	2.00				1.34	2.25
685.40		8.73	3.84	1.11	2.30				1.38	2.32
685.30		9.05	4.15	1.11	2.30				1.43	2.41
685.20		9.21	4.61	1.11	2.30				1.48	2.50
685.10		9.52	4.76	1.11	2.46				1.54	2.59
685.00		9.68	4.76	1.11	2.46				1.55	2.61
684.90		10.00	4.92	1.11	2.46		0.33		1.62	2.73
684.80		10.16	5.07	1.11	2.61		0.83		1.70	2.86
684.70		10.16	5.07	1.11	2.61		1.00		1.71	2.89
684.60		10.63	5.22	1.11	2.61		1.00	0.16	1.78	3.00
684.50		11.27	5.22	1.11	2.76		1.00	0.16	1.85	3.12
684.40		11.59	5.53	1.27	2.76		1.00	0.33	1.93	3.25
684.30		11.90	5.53	1.27	2.76		1.00	0.33	1.96	3.30
684.20		12.22	5.53	1.59	2.92		1.00	0.33	2.02	3.41
684.10		12.70	5.68	1.59	2.92		1.17	0.49	2.11	3.55
684.00		13.49	5.99	2.06	2.92		1.17	0.49	2.24	3.77
683.90		13.97	6.45	2.06	3.07		1.17	0.49	2.33	3.93
683.80	0.15	14.29	7.07	2.06	3.07		1.17	0.65	2.44	4.09
683.70	0.15	14.60	7.37	2.06	3.07		1.17	0.65	2.50	4.18
683.60	0.15	15.24	7.83	2.06	3.23		1.17	0.65	2.60	4.37
683.50	0.15	15.87	8.60	2.38	3.38		1.17	0.82	2.78	4.66
683.40	0.15	16.67	9.37	2.38	3.38		1.33	0.82	2.93	4.91
683.30	0.61	17.78	9.52	2.38	3.53		1.33	0.82	3.09	5.12
683.20	1.23	18.57	9.98	2.70	3.53		1.33	0.82	3.28	5.34
683.10	1.69	19.05	10.91	2.70	3.53		1.33	0.98	3.45	5.57
683.00	2.15	19.68	11.67	2.70	3.69		1.33	0.98	3.63	5.80
682.90	2.30	20.48	11.83	2.70	3.84		1.33	0.98	3.74	5.96
682.80	2.61	20.79	12.44	2.86	3.84		1.33	0.98	3.86	6.12
682.70	3.07	21.59	12.90	3.17	3.99		1.33	1.14	4.06	6.39
682.60	3.38	22.38	14.13	3.17	3.99		1.33	1.14	4.26	6.68
682.50	3.53	22.70	14.75	3.33	3.99		1.33	1.14	4.37	6.84
682.40	3.53	23.17	15.51	3.49	4.15		1.50	1.31	4.53	7.12
682.30	3.84	24.13	16.59	4.44	4.15		1.50	1.31	4.82	7.55
682.20	3.99	25.08	17.51	4.60	4.30		1.50	1.31	5.02	7.87
682.10	4.61	26.19	18.13	5.08	4.30	0.32	1.50	1.47	5.30	8.25
682.00	5.38	26.83	18.74	5.24	4.30	0.32	1.50	1.47	5.49	8.46
681.90	5.53	28.25	19.97	5.56	4.61	0.48	1.50	1.47	5.80	8.96
681.80	5.68	30.16	21.81	7.46	4.76	0.80	1.50	1.63	6.36	9.87
681.70	5.68	30.63	22.89	8.41	4.76	0.80	1.50	1.63	6.57	10.23
681.60	5.99	32.38	23.81	9.37	5.38	0.80	1.50	1.79	6.98	10.87
681.50	6.14	34.44	24.58	10.63	5.68	0.96	1.50	1.79	7.38	11.53
681.40	6.14	35.56	25.81	11.43	5.84	1.93	1.67	1.96	7.77	12.19

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681.30			6.30	36.98	26.27	12.86	5.84	2.09	1.67	1.96			8.08	12.69
681.20			6.45	37.46	27.34	13.97	6.45	2.09	1.67	2.28			8.41	13.21
681.10			6.76	38.73	28.11	15.71	6.91	2.41	1.67	3.10			8.89	13.98
681.00			6.76	40.00	29.65	16.51	7.07	2.57	1.67	3.26			9.24	14.57
680.90			6.76	41.11	30.41	17.30	7.68	2.73	1.67	3.43			9.55	15.10
680.80			7.07	41.75	33.03	17.78	8.29	3.37	1.67	3.92			10.05	15.89
680.70			7.07	42.54	34.41	18.57	9.06	3.85	1.67	4.24			10.45	16.55
680.60			7.22	43.49	35.02	19.68	9.52	3.85	1.67	4.24			10.73	17.01
680.50			7.37	44.29	36.10	20.00	9.83	4.01	1.83	5.06	0.35		11.08	17.53
680.40			7.99	45.24	37.48	20.79	10.60	4.17	2.00	5.38	0.35		11.52	18.19
680.30			8.45	46.67	39.32	21.75	10.91	4.17	2.00	5.71	0.88		12.02	18.89
680.20			9.22	47.78	40.40	22.70	11.67	4.49	2.17	6.20	1.05		12.52	19.60
680.10			9.68	48.89	41.17	23.33	12.29	4.65	2.17	6.53	1.05		12.87	20.12
680.00			9.98	50.32	41.63	24.13	13.21	4.65	2.50	6.85	1.23		13.28	20.74
679.90			10.45	51.43	42.55	25.08	13.67	5.30	3.00	7.01	1.58		13.75	21.42
679.80			10.91	52.38	42.70	26.35	14.44	5.46	3.17	7.18	1.93		14.13	21.94
679.70			11.21	53.17	43.93	29.05	15.36	5.94	3.50	7.18	1.93		14.71	22.87
679.60			12.14	53.81	45.78	30.48	16.13	6.26	3.83	7.83	1.93		15.30	23.74
679.50			12.75	54.60	46.85	31.43	17.05	6.26	4.33	8.65	1.93		15.79	24.47
679.40			13.36	56.19	47.31	33.49	18.59	6.42	5.00	9.30	2.11		16.46	25.49
679.30			13.52	56.98	47.47	34.76	20.58	6.58	5.50	9.95	2.46		16.98	26.28
679.20			13.67	58.10	48.54	35.87	22.58	6.58	6.33	10.77	2.46		17.58	27.29
679.10			14.13	58.57	49.31	37.94	23.96	7.06	6.50	11.09	2.98		18.15	28.10
679.00			14.75	59.52	49.92	39.52	25.04	8.03	7.50	11.75	3.16		18.80	29.08
678.90			15.51	60.16	50.38	40.95	25.35	8.67	8.33	11.91	3.16		19.24	29.72
678.80			16.13	60.95	50.84	41.59	26.88	9.15	9.00	12.40	3.68		19.77	30.45
678.70			16.74	61.59	51.61	42.06	27.50	9.95	10.50	12.89	3.68		20.27	31.20
678.60			17.20	62.06	52.38	43.02	28.73	10.75	11.00	13.21	3.86		20.76	31.92
678.50		0.17	17.82	63.17	52.84	44.44	30.57	11.24	12.17	13.87	4.04		21.44	32.95
678.40		0.17	17.82	63.65	53.76	45.40	31.18	12.20	13.17	15.17	4.21		21.98	33.83
678.30		0.17	18.13	64.60	54.99	46.67	32.26	12.68	13.50	15.82	4.39		22.54	34.70
678.20		0.17	19.05	65.40	55.91	48.25	33.79	13.64	13.67	16.64	4.56		23.21	35.68
678.10		0.17	19.51	66.03	57.14	49.68	35.18	14.29	14.33	16.97	5.09		23.83	36.58
678.00		0.17	19.51	66.98	58.37	50.32	37.48	15.41	15.17	17.46	5.44	0.51	24.55	37.68
677.90		0.17	20.28	67.46	59.60	50.95	39.48	16.05	16.00	17.78	6.67	0.51	25.24	38.56
677.80		0.34	21.04	68.10	60.83	52.22	41.47	16.85	16.67	17.94	7.37	0.68	25.96	39.54
677.70		0.34	21.51	69.05	62.06	53.33	43.78	18.30	17.17	17.94	7.89	0.85	26.71	40.63
677.60		0.34	22.43	70.32	62.52	54.13	45.01	18.94	18.33	18.27	8.77	1.03	27.37	41.47
677.50		0.34	22.73	71.59	64.21	56.03	46.24	19.26	20.33	18.60	9.82	1.20	28.23	42.72
677.40		0.34	23.50	72.86	64.98	57.14	47.47	20.22	21.67	18.92	10.70	1.54	28.99	43.72
677.30		0.34	24.42	73.81	65.75	58.89	49.46	20.87	22.50	19.09	11.75	2.05	29.80	44.75
677.20		0.51	25.04	74.29	66.82	60.79	50.38	21.83	23.50	19.41	12.63	2.74	30.55	45.70
677.10		0.51	25.35	74.92	67.74	62.70	52.23	23.60	24.17	20.07	13.16	3.25	31.38	46.91
677.00		0.68	26.73	75.08	67.90	64.29	53.30	26.16	25.00	20.39	14.21	3.93	32.21	47.86
676.90	0.32	0.68	27.96	76.03	69.43	65.56	55.45	27.29	25.83	21.37	15.61	5.47	33.33	49.14
676.80	0.81	0.85	29.19	76.51	69.89	66.35	56.84	29.70	26.00	21.86	16.67	7.52	34.26	50.02
676.70	0.97	0.85	30.57	77.78	70.66	66.51	58.53	30.82	26.33	22.51	19.30	9.74	35.29	50.89
676.60	1.29	1.37	32.26	79.05	72.20	68.57	59.45	32.42	27.50	23.33	21.40	11.62	36.61	52.23
676.50	2.10	2.05	33.49	80.00	73.89	70.63	61.60	33.87	27.83	24.14	24.39	14.87	38.14	53.59
676.40	3.55	3.24	36.25	80.32	75.42	71.75	63.13	35.15	28.17	26.43	27.19	16.58	39.66	54.80
676.30	6.45	3.58	37.94	80.95	76.65	74.13	64.52	36.28	28.83	27.57	29.30	19.32	41.19	56.03
676.20	9.03	4.44	39.17	81.59	78.65	75.40	67.13	37.72	30.17	29.04	32.98	21.03	42.91	57.57
676.10	12.10	4.95	41.47	82.22	82.18	76.98	69.28	39.33	31.00	30.83	37.54	24.27	45.06	59.32
676.00	16.77	7.17	43.93	83.65	83.87	78.57	71.12	41.57	32.33	34.42	40.53	27.86	47.52	61.28
675.90	21.77	8.53	46.24	84.44	85.10	80.48	72.35	43.98	34.17	37.03	44.04	31.97	49.85	62.98

090608

675.80	27.10	10.58	49.77	86.19	86.48	81.43	74.04	45.59	36.33	38.99	47.37	37.26	52.42	64.62
675.70	30.97	14.33	53.00	87.62	87.71	82.86	75.42	47.67	38.67	42.25	53.33	40.68	55.16	66.48
675.60	35.81	20.65	58.68	89.84	89.71	83.97	76.65	51.85	45.33	45.84	59.30	45.98	59.19	69.44
675.50	42.58	28.50	64.36	91.59	91.24	85.56	79.57	58.91	50.83	53.18	65.44	52.48	64.18	73.35
675.40	52.58	38.91	69.74	94.76	92.78	87.62	85.56	65.65	60.50	65.42	77.02	62.22	71.44	79.20
675.30	72.74	59.73	81.26	96.98	95.55	88.89	88.48	76.73	76.33	80.26	87.02	73.68	81.70	86.33
675.20	86.77	80.89	91.40	97.94	97.08	92.54	93.24	86.84	87.67	92.01	93.68	81.03	90.22	92.54
675.10	96.13	93.17	96.31	98.57	98.00	96.19	97.39	94.38	96.17	97.23	96.14	86.67	95.60	96.86
675.00	98.87	98.29	98.77	99.21	98.62	99.05	98.77	97.75	98.83	99.84	98.95	93.16	98.37	98.86
674.90	100.00	99.83	99.54	99.52	99.39	100.00	100.00	99.36	99.67	100.00	99.65	96.58	99.47	99.70
674.80	100.00	100.00	100.00	99.68	99.85	100.00	100.00	99.84	99.67	100.00	100.00	99.15	99.85	99.86
674.70	100.00	100.00	100.00	99.68	99.85	100.00	100.00	100.00	100.00	100.00	100.00	99.49	99.92	99.93
674.60	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

U.S. Army Corps of Engineers St. Paul District Water Control Center

For Period 1950 TO 2005 1% of values are missing PREW3 ELEV

Percent of time at or above indicated elevation For period 1950 to 2005

Elev	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All-Year	Apr-Oct
692.80				0.12										
692.70				0.18										
692.60				0.18										
692.50				0.18										
692.40				0.24										
692.30				0.24										
692.20				0.30										
692.10				0.36										
692.00				0.36										
691.90				0.36										
691.80				0.36										
691.70				0.36										
691.60				0.36										
691.50				0.36										
691.40				0.42										
691.30				0.60										
691.20				0.60										
691.10				0.60										
691.00				0.65										
690.90				0.71										0.10
690.80				0.83										0.12
690.70				0.83										0.12
690.60				0.95										0.13
690.50				1.01										0.14
690.40				1.19										0.17
690.30				1.25									0.10	0.18
690.20				1.37									0.11	0.19
690.10				1.37									0.11	0.19
690.00				1.49									0.13	0.22
689.90				1.67									0.14	0.24
689.80				1.85									0.16	0.27
689.70				1.90									0.16	0.28
689.60				2.02									0.17	0.29
689.50				2.08	0.12								0.18	0.31
689.40				2.20	0.12								0.19	0.33
689.30				2.20	0.12								0.19	0.33
689.20				2.32	0.12								0.20	0.35
689.10				2.32	0.12								0.20	0.35
689.00				2.50	0.12								0.22	0.37
688.90				2.62	0.17								0.23	0.40
688.80				2.98	0.17								0.26	0.45
688.70				3.04	0.17								0.27	0.45
688.60				3.10	0.17								0.27	0.46
688.50				3.21	0.17								0.28	0.48
688.40				3.21	0.17								0.28	0.48
688.30				3.33	0.17								0.29	0.50

688.20		3.39	0.23						0.30	0.51
688.10		3.45	0.23						0.31	0.52
688.00		3.51	0.23						0.31	0.53
687.90		3.63	0.23						0.32	0.55
687.80		3.69	0.23						0.33	0.56
687.70		3.75	0.23						0.33	0.56
687.60		3.81	0.23	0.12					0.35	0.59
687.50		3.81	0.29	0.12					0.35	0.60
687.40		4.05	0.29	0.18					0.38	0.64
687.30		4.17	0.29	0.18					0.39	0.66
687.20		4.29	0.29	0.24					0.40	0.68
687.10		4.46	0.29	0.30					0.42	0.72
687.00		4.46	0.29	0.30					0.42	0.72
686.90		4.58	0.35	0.30					0.44	0.74
686.80		4.64	0.35	0.30					0.44	0.75
686.70		4.70	0.35	0.30					0.45	0.77
686.60		4.70	0.35	0.30					0.45	0.77
686.50		4.88	0.35	0.30					0.47	0.79
686.40		5.00	0.40	0.30	0.12				0.48	0.82
686.30		5.24	0.46	0.36	0.12				0.51	0.88
686.20		5.42	0.63	0.36	0.12				0.54	0.93
686.10		5.60	0.69	0.36	0.12				0.56	0.96
686.00		5.83	0.81	0.36	0.23				0.60	1.03
685.90		5.89	0.98	0.36	0.35				0.63	1.08
685.80		6.01	1.15	0.36	0.35				0.66	1.12
685.70		6.19	1.27	0.36	0.46				0.69	1.18
685.60		6.37	1.32	0.36	0.52				0.72	1.22
685.50		6.43	1.44	0.36	0.64				0.74	1.26
685.40		6.55	1.61	0.42	0.81				0.79	1.34
685.30		6.85	1.67	0.42	0.87				0.82	1.40
685.20		6.96	2.02	0.42	0.87				0.86	1.46
685.10		7.20	2.25	0.42	0.87				0.90	1.53
685.00		7.44	2.36	0.48	1.04				0.95	1.62
684.90		7.56	2.48	0.48	1.16				0.98	1.67
684.80		7.80	2.48	0.54	1.21				1.01	1.72
684.70		8.04	2.59	0.54	1.27				1.04	1.78
684.60		8.10	2.82	0.65	1.27				1.08	1.83
684.50		8.51	2.82	0.77	1.39				1.13	1.93
684.40		9.05	2.88	1.01	1.45		0.24		1.23	2.10
684.30	0.12	9.46	2.94	1.25	1.45		0.30		1.31	2.20
684.20	0.23	9.64	3.17	1.43	1.56		0.30	0.12	1.38	2.31
684.10	0.23	9.88	3.28	1.55	1.62		0.30	0.12	1.42	2.39
684.00	0.35	10.30	3.46	1.61	1.79		0.36	0.18	1.51	2.52
683.90	0.35	10.65	3.57	1.79	1.85		0.36	0.18	1.57	2.63
683.80	0.52	11.19	3.80	1.96	1.91		0.36	0.18	1.67	2.77
683.70	0.58	11.49	4.26	2.02	2.02		0.36	0.23	1.76	2.91
683.60	0.69	12.14	4.44	2.02	2.02		0.43	0.35	1.86	3.05
683.50	0.98	12.44	5.01	2.14	2.26		0.43	0.47	2.00	3.26
683.40	1.04	13.21	5.53	2.14	2.31		0.43	0.47	2.12	3.45
683.30	1.21	14.17	5.93	2.20	2.37		0.43	0.65	2.27	3.69
683.20	1.27	15.06	6.51	2.32	2.43		0.43	0.65	2.41	3.92
683.10	1.39	15.95	6.91	2.38	2.49		0.43	0.70	2.55	4.13
683.00	1.45	16.61	7.20	2.44	2.60		0.43	0.82	2.66	4.31
682.90	1.62	17.68	7.66	2.86	2.72	0.12	0.49	0.88	2.86	4.63
682.80	1.91	18.69	8.58	3.10	2.72	0.12	0.49	0.88	3.07	4.94

000611

682.70		2.14	19.40	8.99	3.45	2.78	0.12	0.49	0.88			3.22	5.16
682.60		2.43	20.48	9.85	3.69	2.95	0.12	0.49	1.00			3.45	5.51
682.50		2.72	21.49	10.37	4.05	3.18	0.12	0.49	1.00			3.65	5.82
682.40		2.95	22.68	11.06	4.23	3.41	0.12	0.49	1.00			3.86	6.14
682.30		3.47	23.57	11.52	4.64	3.59	0.18	0.49	1.06			4.08	6.44
682.20		3.47	24.35	12.04	4.94	3.76	0.47	0.49	1.11			4.26	6.74
682.10		3.82	25.24	12.85	5.18	3.82	0.59	0.55	1.11			4.47	7.05
682.00		3.99	25.65	13.59	5.42	4.05	0.70	0.55	1.17			4.65	7.31
681.90		4.39	26.37	14.86	5.71	4.22	0.76	0.55	1.17			4.89	7.67
681.80		4.45	27.20	15.55	6.01	4.34	0.88	0.55	1.17			5.07	7.97
681.70		4.80	27.98	16.59	6.43	4.51	1.05	0.55	1.17			5.32	8.34
681.60		4.91	28.93	17.86	7.20	4.68	1.11	0.55	1.17			5.60	8.80
681.50		5.03	29.76	19.18	7.74	4.86	1.17	0.55	1.47	0.12		5.89	9.27
681.40		5.14	30.83	20.39	8.04	5.09	1.46	0.55	1.47	0.12		6.16	9.71
681.30		5.20	31.90	21.03	8.69	5.26	1.64	0.55	1.58	0.12		6.40	10.12
681.20		5.26	33.15	22.12	9.11	5.55	1.76	0.55	1.64	0.24		6.69	10.58
681.10		5.61	34.40	22.75	9.76	5.78	1.81	0.55	1.76	0.30		6.97	11.00
681.00		5.78	35.24	23.79	10.48	6.19	1.99	0.55	1.82	0.36		7.26	11.46
680.90		5.84	35.77	24.71	11.37	6.48	2.11	0.55	1.88	0.36		7.50	11.87
680.80		6.01	36.79	25.40	11.79	6.94	2.28	0.61	1.94	0.42		7.77	12.28
680.70		6.13	37.98	26.32	12.20	7.35	2.40	0.61	1.99	0.48		8.04	12.72
680.60		6.30	38.63	27.13	12.92	7.75	2.63	0.61	2.35	0.48		8.33	13.18
680.50		6.42	40.00	27.82	13.57	8.04	2.75	0.73	2.58	0.55		8.63	13.67
680.40		6.47	41.43	28.46	14.29	8.56	2.93	0.85	3.05	0.61		8.98	14.26
680.30		6.65	42.80	29.49	14.82	9.37	2.99	0.85	3.23	0.61		9.33	14.83
680.20		6.65	44.11	30.13	15.48	9.77	3.10	0.97	3.46	0.67		9.63	15.32
680.10		6.94	44.88	31.11	16.07	10.12	3.16	1.09	3.64	0.91		9.93	15.76
680.00		7.40	46.13	31.97	16.61	10.47	3.28	1.09	3.75	1.15		10.26	16.22
679.90		7.75	47.20	32.83	17.02	11.28	3.40	1.34	4.05	1.21		10.63	16.77
679.80	0.19	8.03	47.98	33.76	17.92	12.03	3.51	1.46	4.28	1.33		10.99	17.32
679.70	0.19	8.27	48.87	34.27	18.69	12.78	3.81	1.52	4.46	1.52		11.32	17.82
679.60	0.19	8.55	49.94	35.25	19.46	13.53	3.86	1.64	4.57	1.70		11.68	18.37
679.50	0.19	8.79	50.95	36.69	20.48	14.17	4.10	1.88	4.63	1.94		12.11	19.04
679.40	0.19	8.84	51.61	37.96	21.61	15.44	4.22	1.95	4.81	2.18		12.54	19.71
679.30	0.38	9.19	52.56	39.06	22.68	16.19	4.33	2.01	5.04	2.42		12.96	20.32
679.20	0.64	9.48	53.33	40.38	24.11	17.29	4.51	2.13	5.34	2.55		13.46	21.07
679.10	0.64	9.88	54.05	41.47	25.77	18.10	4.57	2.31	5.81	2.67		13.92	21.79
679.00	0.70	10.00	54.82	42.91	27.26	18.74	4.68	2.49	6.16	2.91		14.38	22.50
678.90	0.77	10.40	55.83	43.95	28.04	19.38	4.80	2.80	6.51	2.97		14.78	23.11
678.80	0.77	10.92	56.49	44.87	29.29	19.90	4.98	3.04	6.98	3.21		15.20	23.71
678.70	0.89	11.39	57.32	45.97	29.88	20.76	5.27	3.53	7.16	3.27		15.62	24.34
678.60	0.89	11.62	57.92	46.77	30.89	21.46	5.85	3.83	7.62	3.58		16.04	24.98
678.50	0.96	12.25	58.51	47.64	31.67	22.15	6.26	4.19	7.98	3.70		16.45	25.56
678.40	1.02	12.60	59.35	48.73	32.92	22.73	6.62	4.80	8.21	3.76	0.24	16.92	26.26
678.30	1.15	12.95	60.12	49.65	33.81	23.77	7.14	5.17	8.74	4.06	0.30	17.42	26.99
678.20	1.15	13.35	61.31	50.23	34.52	24.87	7.61	5.65	9.21	4.61	0.30	17.92	27.70
678.10	1.28	13.58	61.96	51.09	35.48	25.62	8.26	6.20	9.79	5.03	0.30	18.40	28.42
678.00	1.28	13.99	62.98	52.42	36.61	26.72	8.61	6.63	10.21	5.45	0.36	18.96	29.24
677.90	1.28	14.51	63.81	53.46	38.10	28.22	9.37	7.11	10.38	5.88	0.54	19.58	30.14
677.80	1.40	15.09	64.35	54.49	39.88	29.90	9.95	7.29	10.73	6.30	0.65	20.21	31.03
677.70	1.53	15.49	65.30	55.53	41.49	31.23	10.77	7.72	11.03	6.91	0.89	20.87	31.95
677.60	1.53	15.84	66.19	56.62	42.74	32.27	11.42	8.09	11.32	7.70	1.07	21.44	32.75
677.50	1.53	16.24	67.02	58.06	43.99	33.26	11.77	8.75	11.85	8.18	1.13	22.03	33.62
677.40	1.60	16.99	68.04	58.81	45.12	34.24	12.18	9.67	12.08	8.79	1.19	22.61	34.39
677.30	1.66	17.69	69.11	59.91	46.13	35.34	12.53	10.15	12.32	9.52	1.37	23.20	35.16

677.20		1.66	18.09	70.00	60.83	47.68	36.03	13.11	10.94	13.02	10.00	1.49	23.80	36.03
677.10		1.79	18.67	70.89	61.75	49.35	37.65	13.70	11.37	13.49	10.61	1.84	24.49	36.98
677.00		1.79	19.08	71.90	62.96	51.19	38.35	14.52	11.98	14.02	11.45	1.96	25.17	37.94
676.90		1.79	19.94	72.62	63.82	52.86	38.98	15.57	12.64	14.37	12.00	2.38	25.82	38.79
676.80		2.04	21.10	73.10	64.80	54.52	40.25	16.74	13.25	15.01	12.85	2.86	26.62	39.76
676.70	0.12	2.23	22.02	73.75	65.90	55.77	40.95	17.80	13.98	15.31	13.58	4.34	27.40	40.59
676.60	0.23	2.30	23.06	74.70	66.94	57.08	42.05	19.09	14.95	16.07	14.55	5.29	28.28	41.65
676.50	0.59	2.49	24.05	75.24	68.03	58.27	43.55	20.02	15.62	16.95	16.12	6.48	29.21	42.62
676.40	0.70	2.75	25.09	75.89	69.18	59.40	44.71	20.78	16.17	17.71	18.00	7.61	30.10	43.51
676.30	1.00	3.00	25.95	76.90	70.28	60.83	46.15	21.84	16.96	18.59	19.82	9.64	31.18	44.61
676.20	1.82	3.07	26.88	77.44	71.72	62.44	47.83	22.60	17.87	19.88	21.39	12.14	32.36	45.79
676.10	3.34	3.58	28.50	78.27	72.87	64.11	49.33	23.83	18.42	20.82	23.70	13.98	33.67	46.92
676.00	5.51	4.21	29.54	79.23	74.48	65.54	50.95	25.06	19.39	22.17	26.48	15.94	35.16	48.23
675.90	8.21	5.24	31.10	80.18	75.52	67.08	52.34	26.52	20.73	23.93	29.33	17.79	36.78	49.58
675.80	10.73	5.75	32.43	81.55	76.44	68.69	54.48	27.63	22.55	25.16	31.82	20.94	38.47	51.04
675.70	12.96	6.45	33.76	82.74	77.53	70.00	56.10	29.68	24.13	26.92	34.67	23.91	40.19	52.55
675.60	15.89	7.60	35.61	83.93	78.69	71.37	57.72	31.73	26.26	29.03	38.30	27.48	42.26	54.21
675.50	18.59	9.71	38.50	85.42	80.88	73.39	59.92	34.66	29.18	31.44	42.73	31.17	44.92	56.52
675.40	23.46	12.45	42.20	87.26	82.55	75.60	62.75	39.58	33.50	35.66	46.18	35.69	48.36	59.66
675.30	31.09	17.24	46.76	89.52	85.71	78.39	66.17	46.25	39.70	42.46	52.61	42.65	53.49	64.13
675.20	42.17	28.42	51.10	92.08	88.36	81.85	70.56	54.63	50.40	53.31	61.39	48.90	60.50	70.24
675.10	50.67	41.38	59.25	93.33	91.88	86.96	77.91	66.16	62.49	66.74	71.94	56.57	68.97	77.99
675.00	60.23	53.90	66.47	95.18	95.22	92.74	85.77	78.40	77.02	82.05	81.33	65.56	77.98	86.66
674.90	76.72	66.03	74.80	97.62	97.52	97.02	92.08	89.46	89.97	93.72	91.15	77.69	87.10	93.92
674.80	89.50	81.23	84.39	98.87	98.91	98.93	96.76	96.08	96.05	98.71	96.42	87.98	93.72	97.76
674.70	95.60	91.19	90.58	99.52	99.37	99.76	98.84	99.30	98.97	99.71	98.42	95.06	97.22	99.35
674.60	97.24	95.08	94.62	99.88	99.88	99.88	99.48	100.00	99.45	99.82	99.21	97.92	98.56	99.77
674.50	97.60	97.00	97.17	99.94	100.00	99.94	99.83	100.00	99.76	99.94	99.82	99.11	99.18	99.92
674.40	97.83	97.89	98.50	100.00	100.00	100.00	99.88	100.00	100.00	100.00	99.94	99.46	99.47	99.98
674.30	98.01	98.15	99.19	100.00	100.00	100.00	99.94	100.00	100.00	100.00	100.00	99.70	99.59	99.99
674.20	98.65	99.43	99.65	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.70	99.79	100.00
674.10	99.06	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.82	99.91	100.00
674.00	99.77	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.98	100.00

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