

----- Original Message -----

From: "Dnes, Walter [Ontario]" <Walter.Dnes@ec.gc.ca>

To: "Bob Long" <longrj.longenv@rogers.com>

Sent: Tuesday, July 06, 2004 10:55 AM

Subject: RE: Lowndes Quarry, Flamborough/Hamilton

Here's the output for Milton Kelso. Due to a couple of missing months, I've patched in May 1977 data from 6153545 Hornby, and February 1983 from 6159127 Valens. For water-holding-capacity I used 130 mm, based on your description of the soil. This is between the standard values of 150 mm for loam and 100 mm for sand.

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Milton Kelso, ON.
DC20492

WATER BUDGET MEANS FOR THE PERIOD 1971-1986

LAT.... 43.50 WATER HOLDING CAPACITY...130 MM HEAT INDEX... 35.90
LONG... 79.95 LOWER ZONE..... 78 MM A..... 1.068

DATE	TEMP (C)	PCPN	RAIN	MELT	PE	AE	DEF	SURP	SNOW	SOIL	ACC P
31- 1	-7.4	65	13	17	1	1	0	29	61	126	322
28- 2	-6.1	62	25	39	2	2	0	61	60	127	388
31- 3	-.9	79	53	70	8	8	0	115	16	127	473
30- 4	6.0	74	70	20	33	33	0	59	0	125	552
31- 5	12.6	79	79	0	77	75	-2	17	0	111	636
30- 6	17.0	82	82	0	107	100	-7	6	0	86	723
31- 7	20.4	67	67	0	131	118	-13	1	0	34	794
31- 8	19.4	94	94	0	115	92	-23	0	0	36	895
30- 9	14.9	94	94	0	76	65	-11	12	0	53	995
31-10	8.7	70	70	0	39	37	-2	9	0	77	72
30-11	2.8	86	77	5	13	13	0	35	4	111	161
31-12	-3.3	94	43	27	2	2	0	51	27	128	253
AVE	7.1 TTL	946	767	178	604	546	-58	395			

Milton Kelso, ON.
DC20492

STANDARD DEVIATIONS FOR THE PERIOD 1971-1986

DATE	TEMP (C)	PCPN	RAIN	MELT	PE	AE	DEF	SURP	SNOW	SOIL	ACC P
31- 1	2.4	33	14	18	1	1	0	28	55	13	66
28- 2	2.9	32	21	44	2	2	0	56	54	13	54
31- 3	2.3	33	32	51	6	6	0	63	37	14	49
30- 4	1.7	31	31	37	8	8	0	48	0	21	55
31- 5	1.8	35	35	0	12	14	8	28	0	34	78
30- 6	1.2	37	37	0	8	28	26	13	0	37	90
31- 7	.7	40	40	0	5	33	33	5	0	35	80
31- 8	1.1	50	50	0	7	34	36	0	0	46	65
30- 9	.9	55	55	0	5	20	20	37	0	53	87
31-10	1.8	35	35	0	8	7	4	22	0	48	36
30-11	1.5	43	42	7	5	5	0	51	8	29	57
31-12	2.4	23	24	16	3	3	0	41	23	4	62

Milton Kelso, ON.
DC20492

WATER BUDGET VALUES FOR THE PERIOD 1971-1986

YR	MO	TEMP(C)	PCPN	RAIN	MELT	PE	AE	DEF	SURP	SNOW	SOIL	ACC P
1971-	1	-7.4	.0	.0	.0	.0	.0	.0	.0	.0	78.0	.0
1971-	2	-6.1	.0	.0	.0	.0	.0	.0	.0	.0	78.0	.0
1971-	3	-.9	.0	.0	.0	2.2	2.2	.0	.0	.0	75.8	.0
1971-	4	6.0	.0	.0	.0	31.0	30.1	-.9	.0	.0	45.6	.0
1971-	5	12.6	.0	.0	.0	76.5	44.7	-31.7	.0	.0	.9	.0
1971-	6	17.0	.0	.0	.0	106.5	.9	-105.6	.0	.0	.0	.0
1971-	7	20.3	.0	.0	.0	130.6	.0	-130.6	.0	.0	.0	.0
1971-	8	19.4	.0	.0	.0	115.1	.0	-115.1	.0	.0	.0	.0
1971-	9	14.8	.0	.0	.0	75.5	.0	-75.5	.0	.0	.0	.0
1971-	10	12.8	48.6	48.6	.0	58.7	48.6	-10.1	.0	.0	.0	48.6
1971-	11	2.6	42.4	36.1	6.3	12.6	12.6	.0	.0	.0	29.8	91.0
1971-	12	-1.3	110.5	62.0	30.7	4.4	4.4	.0	.0	17.8	118.1	201.5
1972-	1	-5.9	63.4	22.1	32.0	.7	.7	.0	41.5	27.1	130.0	264.9
1972-	2	-8.1	73.1	33.0	2.3	.0	.0	.0	35.3	64.9	130.0	338.0
1972-	3	-4.0	100.0	61.8	49.1	1.6	1.6	.0	109.3	54.1	130.0	438.0
1972-	4	3.0	65.0	54.3	64.8	21.0	21.0	.0	98.0	.0	130.0	503.0
1972-	5	13.4	68.8	68.8	.0	82.0	82.0	.0	.0	.0	116.8	571.8
1972-	6	15.6	142.4	142.4	.0	97.3	97.3	.0	31.9	.0	130.0	714.2
1972-	7	19.8	62.6	62.6	.0	127.3	127.3	.0	.0	.0	65.3	776.8
1972-	8	18.7	86.3	86.3	.0	110.3	106.4	-3.9	.0	.0	45.2	863.1
1972-	9	15.6	75.9	75.9	.0	79.8	78.2	-1.6	.0	.0	42.9	939.0
1972-	10	6.4	96.6	96.6	.0	29.2	29.2	.0	.0	.0	110.3	96.6
1972-	11	.7	64.0	55.6	7.6	8.1	8.1	.0	35.5	.8	130.0	160.6
1972-	12	-2.8	95.8	26.8	36.3	.9	.9	.0	62.3	33.5	130.0	256.4
1973-	1	-4.4	33.6	7.9	53.8	2.5	2.5	.0	59.1	5.4	130.0	290.0
1973-	2	-7.5	66.0	16.7	21.1	.6	.6	.0	37.2	33.6	130.0	356.0
1973-	3	2.9	143.6	143.6	33.6	17.0	17.0	.0	160.2	.0	130.0	499.6
1973-	4	6.3	46.1	46.1	.0	33.6	33.6	.0	12.5	.0	130.0	545.7
1973-	5	10.7	79.9	79.9	.0	64.4	64.4	.0	15.5	.0	130.0	625.6
1973-	6	18.4	78.0	78.0	.0	115.7	115.7	.0	.0	.0	92.3	703.6
1973-	7	20.8	51.7	51.7	.0	134.2	134.2	.0	.0	.0	9.8	755.3
1973-	8	21.4	37.4	37.4	.0	128.2	47.2	-81.0	.0	.0	.0	792.7
1973-	9	15.4	62.5	62.5	.0	79.5	62.5	-17.0	.0	.0	.0	855.2
1973-	10	10.9	152.2	152.2	.0	49.6	49.6	.0	.0	.0	102.6	152.2
1973-	11	3.6	107.7	105.2	2.5	14.2	14.2	.0	66.1	.0	130.0	259.9
1973-	12	-4.2	99.0	32.6	21.9	2.8	2.8	.0	51.7	44.5	130.0	358.9
1974-	1	-5.9	90.8	43.8	55.2	1.4	1.4	.0	97.6	36.3	130.0	449.7
1974-	2	-8.0	64.0	10.9	33.3	1.1	1.1	.0	43.1	56.1	130.0	513.7
1974-	3	-.9	62.8	45.8	69.4	5.3	5.3	.0	109.9	3.7	130.0	576.5
1974-	4	7.2	100.0	100.0	3.7	39.2	39.2	.0	64.5	.0	130.0	676.5
1974-	5	10.3	149.9	149.9	.0	62.6	62.6	.0	87.3	.0	130.0	826.4
1974-	6	16.7	143.6	143.6	.0	104.3	104.3	.0	39.3	.0	130.0	970.0
1974-	7	20.2	20.1	20.1	.0	129.7	129.7	.0	.0	.0	20.4	990.1
1974-	8	19.9	22.1	22.1	.0	118.1	42.5	-75.6	.0	.0	.0	1012.2
1974-	9	13.7	49.3	49.3	.0	69.5	49.3	-20.2	.0	.0	.0	1061.5
1974-	10	7.5	23.5	23.5	.0	34.1	23.5	-10.6	.0	.0	.0	23.5
1974-	11	3.3	104.6	102.6	.0	15.5	15.5	.0	.0	2.0	87.1	128.1
1974-	12	-1.3	55.7	18.1	35.5	1.6	1.6	.0	9.0	4.1	130.0	183.8
1975-	1	-3.4	62.6	32.0	20.6	2.3	2.3	.0	50.4	14.1	130.0	246.4
1975-	2	-3.9	104.6	57.2	39.8	1.2	1.2	.0	95.8	21.7	130.0	351.0
1975-	3	-2.7	79.9	59.7	37.0	2.4	2.4	.0	94.3	4.9	130.0	430.9
1975-	4	2.6	82.8	62.5	25.2	18.6	18.6	.0	69.1	.0	130.0	513.7
1975-	5	15.6	71.6	71.6	.0	96.7	96.7	.0	.0	.0	104.9	585.3
1975-	6	18.2	69.5	69.5	.0	114.5	114.5	.0	.0	.0	59.9	654.8
1975-	7	20.9	44.6	44.6	.0	134.4	104.5	-29.9	.0	.0	.0	699.4
1975-	8	19.6	139.2	139.2	.0	116.9	116.9	.0	.0	.0	22.3	838.6

1975- 9	13.2	78.8	78.8	.0	66.5	66.5	.0	.0	.0	34.5	917.4
1975-10	10.1	28.3	28.3	.0	46.0	36.2	-9.9	.0	.0	26.7	28.3
1975-11	6.2	68.0	54.8	13.2	24.5	24.5	.0	.0	.0	70.2	96.3
1975-12	-4.9	105.5	23.4	30.4	1.3	1.3	.0	.0	51.7	122.6	201.8
1976- 1	-9.6	91.8	.0	.0	.0	.0	.0	.0	143.5	122.6	293.6
1976- 2	-2.2	69.0	33.9	133.6	4.6	4.6	.0	155.5	45.0	130.0	362.6
1976- 3	.5	113.6	48.1	110.5	13.1	13.1	.0	145.5	.0	130.0	476.2
1976- 4	7.9	88.6	88.6	.0	42.8	42.8	.0	45.8	.0	130.0	564.8
1976- 5	10.8	82.2	82.2	.0	65.4	65.4	.0	16.8	.0	130.0	647.0
1976- 6	18.8	90.3	90.3	.0	118.6	118.6	.0	.0	.0	101.7	737.3
1976- 7	19.0	80.3	80.3	.0	121.5	121.5	.0	.0	.0	60.5	817.6
1976- 8	18.6	48.8	48.8	.0	110.1	96.3	-13.7	.0	.0	13.0	866.4
1976- 9	14.6	116.9	116.9	.0	74.4	74.4	.0	.0	.0	55.5	983.3
1976-10	6.1	56.8	56.8	.0	28.2	28.2	.0	.0	.0	84.1	56.8
1976-11	-.4	26.9	19.1	7.8	4.0	4.0	.0	.0	.0	106.9	83.7
1976-12	-7.5	79.3	5.0	6.3	.1	.1	.0	.0	68.0	118.1	163.0
1977- 1	-12.0	93.4	.0	.0	.0	.0	.0	.0	161.4	118.1	256.4
1977- 2	-6.3	57.9	35.4	20.8	.5	.5	.0	43.7	163.2	130.0	314.3
1977- 3	1.9	97.0	74.6	185.6	15.0	15.0	.0	245.2	.0	130.0	411.3
1977- 4	7.7	107.2	105.5	1.7	43.3	43.3	.0	63.9	.0	130.0	518.5
1977- 5	15.0	33.2	33.2	.0	92.7	92.7	.0	.0	.0	70.5	551.7
1977- 6	16.7	82.4	82.4	.0	104.8	102.6	-2.2	.0	.0	50.2	634.1
1977- 7	21.0	92.8	92.8	.0	135.5	120.3	-15.2	.0	.0	22.7	726.9
1977- 8	18.5	116.6	116.6	.0	109.8	109.8	.0	.0	.0	29.5	843.5
1977- 9	15.4	197.4	197.4	.0	78.6	78.6	.0	18.3	.0	130.0	1040.9
1977-10	8.2	56.2	56.2	.0	36.6	36.6	.0	19.6	.0	130.0	56.2
1977-11	3.8	131.2	102.4	.0	17.5	17.5	.0	84.9	28.8	130.0	187.4
1977-12	-4.5	116.3	57.0	55.2	1.4	1.4	.0	110.8	32.9	130.0	303.7
1978- 1	-8.8	129.5	25.0	4.2	.1	.1	.0	29.1	133.2	130.0	433.2
1978- 2	-10.6	33.9	.0	.0	.0	.0	.0	.0	167.1	130.0	467.1
1978- 3	-4.0	51.7	18.5	58.2	2.0	2.0	.0	74.7	142.1	130.0	518.8
1978- 4	4.3	70.4	70.0	142.5	23.0	23.0	.0	189.5	.0	130.0	589.2
1978- 5	13.0	87.0	87.0	.0	80.3	80.3	.0	6.7	.0	130.0	676.2
1978- 6	17.8	33.8	33.8	.0	112.1	112.1	.0	.0	.0	51.7	710.0
1978- 7	20.3	55.7	55.7	.0	130.7	105.4	-25.3	.0	.0	2.0	765.7
1978- 8	19.8	79.5	79.5	.0	118.0	80.5	-37.5	.0	.0	1.0	845.2
1978- 9	14.9	116.9	116.9	.0	76.2	76.2	.0	.0	.0	41.7	962.1
1978-10	8.2	53.5	53.5	.0	37.1	37.1	.0	.0	.0	58.0	53.5
1978-11	2.7	70.2	60.8	.0	14.7	14.7	.0	.0	9.4	104.1	123.7
1978-12	-2.9	92.2	45.6	38.8	1.0	1.0	.0	57.5	17.2	130.0	215.9
1979- 1	-8.1	95.4	10.0	10.9	.2	.2	.0	20.7	91.7	130.0	311.3
1979- 2	-11.1	36.4	11.2	21.8	.6	.6	.0	32.4	95.1	130.0	347.7
1979- 3	1.4	76.4	71.8	99.7	12.9	12.9	.0	158.5	.0	130.0	424.1
1979- 4	5.3	110.6	93.6	17.0	31.3	31.3	.0	79.3	.0	130.0	534.7
1979- 5	11.8	96.6	96.6	.0	71.5	71.5	.0	25.1	.0	130.0	631.3
1979- 6	17.4	66.4	66.4	.0	109.1	109.1	.0	.0	.0	87.3	697.7
1979- 7	20.7	34.8	34.8	.0	132.8	122.1	-10.7	.0	.0	.0	732.5
1979- 8	18.7	110.0	110.0	.0	111.1	110.0	-1.1	.0	.0	.0	842.5
1979- 9	15.3	55.6	55.6	.0	78.0	55.6	-22.4	.0	.0	.0	898.1
1979-10	8.0	82.1	82.1	.0	35.7	35.7	.0	.0	.0	46.4	82.1
1979-11	3.8	108.8	106.4	.0	15.1	15.1	.0	7.7	2.4	130.0	190.9
1979-12	-1.2	132.7	92.4	42.7	4.5	4.5	.0	130.6	.0	130.0	323.6
1980- 1	-5.0	54.1	25.4	21.2	1.0	1.0	.0	45.6	7.5	130.0	377.7
1980- 2	-7.2	37.6	2.2	14.7	.4	.4	.0	16.5	28.2	130.0	415.3
1980- 3	-2.6	90.0	57.2	61.0	5.3	5.3	.0	112.9	.0	130.0	505.3
1980- 4	6.1	125.0	125.0	.0	32.0	32.0	.0	93.0	.0	130.0	630.3
1980- 5	14.1	70.2	70.2	.0	86.8	86.8	.0	.0	.0	113.4	700.5
1980- 6	15.3	88.2	88.2	.0	95.5	95.5	.0	.0	.0	106.1	788.7
1980- 7	20.8	72.2	72.2	.0	134.1	134.1	.0	.0	.0	44.3	860.9
1980- 8	21.1	57.0	57.0	.0	125.8	96.1	-29.8	.0	.0	5.2	917.9

1980- 9	15.1	58.4	58.4	.0	77.3	59.7	-17.6	.0	.0	3.9	976.3
1980-10	6.8	93.2	93.2	.0	30.4	30.4	.0	.0	.0	66.8	93.2
1980-11	1.9	47.2	39.4	7.8	9.4	9.4	.0	.0	.0	104.6	140.4
1980-12	-6.3	76.6	49.4	.4	2.3	2.3	.0	22.2	26.8	130.0	217.0
1981- 1	-10.0	35.0	1.4	5.7	.1	.1	.0	6.9	54.7	130.0	252.0
1981- 2	-2.3	99.6	40.8	113.5	6.7	6.7	.0	147.7	.0	130.0	351.6
1981- 3	.2	37.4	18.0	19.4	11.9	11.9	.0	25.5	.0	130.0	389.0
1981- 4	7.4	62.4	62.4	.0	38.3	38.3	.0	24.1	.0	130.0	451.4
1981- 5	11.9	47.0	47.0	.0	72.4	72.4	.0	.0	.0	104.6	498.4
1981- 6	17.8	65.5	65.5	.0	111.8	111.8	.0	.0	.0	58.3	563.9
1981- 7	20.5	126.6	126.6	.0	132.1	130.7	-1.4	.0	.0	54.2	690.5
1981- 8	19.3	160.4	160.4	.0	115.0	115.0	.0	.0	.0	99.6	850.9
1981- 9	14.7	102.6	102.6	.0	75.3	75.3	.0	.0	.0	126.9	953.5
1981-10	6.8	118.0	118.0	.0	30.1	30.1	.0	84.8	.0	130.0	118.0
1981-11	3.5	59.6	59.6	.0	14.1	14.1	.0	45.5	.0	130.0	177.6
1981-12	-2.9	58.1	30.6	4.7	.7	.7	.0	34.5	22.8	130.0	235.7
1982- 1	-9.9	104.2	4.0	14.3	.4	.4	.0	17.9	108.7	130.0	339.9
1982- 2	-7.2	42.2	7.8	14.9	.3	.3	.0	22.4	128.2	130.0	382.1
1982- 3	-1.8	78.8	56.6	144.7	5.4	5.4	.0	195.9	5.7	130.0	460.9
1982- 4	4.8	59.4	46.0	19.1	31.1	31.1	.0	34.0	.0	130.0	520.3
1982- 5	14.5	82.8	82.8	.0	89.2	89.2	.0	.0	.0	123.6	603.1
1982- 6	15.5	127.2	127.2	.0	96.7	96.7	.0	24.1	.0	130.0	730.3
1982- 7	20.5	40.8	40.8	.0	131.6	131.6	.0	.0	.0	39.2	771.1
1982- 8	17.7	159.4	159.4	.0	104.8	104.8	.0	.0	.0	93.8	930.5
1982- 9	14.7	139.7	139.7	.0	74.6	74.6	.0	28.9	.0	130.0	1070.2
1982-10	9.6	48.2	48.2	.0	43.7	43.7	.0	4.5	.0	130.0	48.2
1982-11	4.2	108.3	93.3	15.0	17.3	17.3	.0	91.0	.0	130.0	156.5
1982-12	.7	116.4	87.8	28.6	10.7	10.7	.0	105.7	.0	130.0	272.9
1983- 1	-4.6	44.3	26.8	15.7	.7	.7	.0	41.8	1.8	130.0	317.2
1983- 2	-3.1	52.7	40.7	13.8	2.6	2.6	.0	51.8	.0	130.0	369.9
1983- 3	.1	84.0	50.0	9.8	9.7	9.7	.0	50.0	24.2	130.0	453.9
1983- 4	5.3	94.6	94.6	24.2	27.6	27.6	.0	91.2	.0	130.0	548.5
1983- 5	9.9	123.2	123.2	.0	59.1	59.1	.0	64.1	.0	130.0	671.7
1983- 6	17.7	66.8	66.8	.0	111.6	111.6	.0	.0	.0	85.2	738.5
1983- 7	21.9	60.0	60.0	.0	141.5	141.5	.0	.0	.0	3.7	798.5
1983- 8	20.8	125.1	125.1	.0	124.4	124.4	.0	.0	.0	4.4	923.6
1983- 9	16.4	62.6	62.6	.0	84.2	63.8	-20.4	.0	.0	3.2	986.2
1983-10	9.1	90.0	90.0	.0	41.6	41.6	.0	.0	.0	51.6	90.0
1983-11	3.2	94.8	91.8	.0	13.5	13.5	.0	.0	3.0	129.9	184.8
1983-12	-6.3	118.3	37.0	17.8	.3	.3	.0	54.4	66.5	130.0	303.1
1984- 1	-9.3	46.0	.0	8.0	.2	.2	.0	7.8	104.5	130.0	349.1
1984- 2	-1.3	86.6	46.2	118.5	5.8	5.8	.0	158.9	26.4	130.0	435.7
1984- 3	-5.2	80.2	40.6	47.1	1.6	1.6	.0	86.1	18.9	130.0	515.9
1984- 4	6.8	79.0	79.0	18.9	35.8	35.8	.0	62.1	.0	130.0	594.9
1984- 5	10.4	118.0	118.0	.0	62.8	62.8	.0	55.2	.0	130.0	712.9
1984- 6	18.2	81.0	81.0	.0	114.5	114.5	.0	.0	.0	96.5	793.9
1984- 7	19.4	60.2	60.2	.0	124.2	124.2	.0	.0	.0	32.5	854.1
1984- 8	20.7	102.2	102.2	.0	124.2	111.3	-12.8	.0	.0	23.3	956.3
1984- 9	13.6	91.4	91.4	.0	69.2	69.2	.0	.0	.0	45.5	1047.7
1984-10	10.6	27.2	27.2	.0	47.8	39.2	-8.6	.0	.0	33.5	27.2
1984-11	2.4	79.3	79.3	.0	11.5	11.5	.0	.0	.0	101.3	106.5
1984-12	-.5	91.8	40.4	45.4	4.8	4.8	.0	52.2	6.0	130.0	198.3
1985- 1	-8.2	62.3	.0	.0	.0	.0	.0	.0	68.3	130.0	260.6
1985- 2	-6.0	128.2	63.8	61.2	2.1	2.1	.0	122.9	71.5	130.0	388.8
1985- 3	-.3	108.0	65.2	114.3	7.0	7.0	.0	172.6	.0	130.0	496.8
1985- 4	7.8	40.6	40.6	.0	43.2	43.2	.0	.0	.0	127.4	537.4
1985- 5	13.5	60.4	60.4	.0	82.6	82.6	.0	.0	.0	105.3	597.8
1985- 6	15.5	61.0	61.0	.0	96.3	96.3	.0	.0	.0	70.0	658.8
1985- 7	19.5	118.2	118.2	.0	125.0	124.3	-.7	.0	.0	63.9	777.0
1985- 8	18.5	161.6	161.6	.0	109.9	109.9	.0	.0	.0	115.5	938.6

1985- 9	16.4	73.1	73.1	.0	84.2	84.2	.0	.0	.0	104.5	1011.7
1985-10	9.2	82.5	82.5	.0	41.6	41.6	.0	15.4	.0	130.0	82.5
1985-11	2.6	205.2	191.4	.0	12.0	12.0	.0	179.4	13.8	130.0	287.7
1985-12	-5.7	62.6	25.0	13.8	.7	.7	.0	38.1	37.6	130.0	350.3
1986- 1	-6.2	35.4	15.0	36.9	1.1	1.1	.0	50.8	21.1	130.0	385.7
1986- 2	-7.0	41.0	.0	7.6	.2	.2	.0	7.4	54.5	130.0	426.7
1986- 3	.4	64.0	31.8	86.7	15.2	15.2	.0	103.3	.0	130.0	490.7
1986- 4	7.4	58.5	58.5	.0	39.5	39.5	.0	19.0	.0	130.0	549.2
1986- 5	14.1	85.4	85.4	.0	87.1	87.1	.0	.0	.0	128.3	634.6
1986- 6	16.2	109.7	109.7	.0	101.2	101.2	.0	6.8	.0	130.0	744.3
1986- 7	20.4	150.6	150.6	.0	131.2	131.2	.0	19.4	.0	130.0	894.9
1986- 8	17.8	106.2	106.2	.0	105.8	105.8	.0	.4	.0	130.0	1001.1
1986- 9	14.1	217.1	217.1	.0	71.2	71.2	.0	145.9	.0	130.0	1218.2
1986-10	8.8	67.0	67.0	.0	39.5	39.5	.0	27.5	.0	130.0	67.0
1986-11	1.0	59.6	37.6	22.0	8.1	8.1	.0	51.5	.0	130.0	126.6
1986-12	-1.9	90.8	59.8	31.0	.9	.9	.0	89.9	.0	130.0	217.4