Appendices 1-11

Appendix 1. Tonawanda Creek Watershed Survey Data (2004-2005). Also see maps 2b-c, and 2f-w.

X	Y	SN	Habitat Type	RM	RKM	MD	SS	AV	IW	BC	HR	Notes
Tonawanda Creek (Erie Canal) ONT-158-12 (DEC Fish Survey 905982) 6-2 to 7-8-05												
-78.82138	43.05156	**982-1**	narrow channel	5.1	8.2	4.6	silt gvl	none	None	some	**2**	near West Park Marina; margin AV growth later in season
-78.82629	43.05163	**982-2**	narrow channel	4.9	7.8	4.6	silt gvl	none	None	some	**2**	near RT 62 BR overpass; margin AV growth later in season
-78.88143	43.02341	**982-3**	narrow channel	0.0	0.0	4.6	gvl silt	none	None	some	**2**	canal mouth at Niagara River abandoned swing BR and wood in river
-78.74638	43.06914	**982-4**	narrow channel	9.8	15.7	2.0	silt	much	Some	some	**3**	first backwater slough by green day-board on LB down from TC confluence
-78.73393	43.08392	**982-5**	wide channel	11.1	17.9	5.0	silt gvl	some	Some	some	**3**	circle run at canal confluence after dark
-78.83127	43.05062	**982-6**	narrow channel	4.6	7.4	4.7	silt gvl	some	Some	some	**4**	circle run in canal at conflu with Bull Ck
-78.82430	43.03272	**982-7**	wide channel	3.5	5.7	2.4	silt gvl	some	some	none	**3**	back channel of Ellicott Ck Island Park on LB of main channel canal
-78.80694	43.06098	**982-8**	narrow channel	6.3	10.2	3.7	silt sand	much	some	none	**3**	side canal weeded edge off main channel on RB
Tonawanda Creek (Erie Canal) ONT-158-12 (No DEC Survey) 10-12 to 10-13-04												
-78.73774	43.07865	**4**	wide channel	10.7	17.1	4.6	silt	some	some	some	**3**	open water reach below TC conflu with rip-rap & submergents along margins
-78.73974	43.07721	**5**	wide channel	10.5	16.9	4.6	silt	some	some	some	**3**	open water reach below TC conflu with rip-rap & submergents along margins
Tonawanda Creek ONT-158-12 (DEC Fish Survey 905983) 6-7 to 9-23-05												
-78.69861	43.08655	**983-1**	riffle pool mix	13.4	21.4	1.0	gvl silt	some	some	none	**3**	long wide low gradient riffle with algae on hard SS area below RT78 BR
-78.67995	43.08289	**983-2**	narrow channel	14.7	23.7	3.0	silt sand	some	none	rocks	**2**	underground pipeline small rip-rap shoreline; no riparian; sampled twice
-78.69927	43.08675	**983-3**	wide pool	13.3	21.3	2.4	silt gvl	some	none	some	**3**	large round pool at base of long wide riffle below RT78 BR
-78.70718	43.08705	**983-4**	wide channel	12.9	20.7	3.4	silt	some	some	some	**3**	T8 Mud Ck confluence; silty with submergent veg and wood along shoreline
-78.72464	43.08558	**983-5**	pool riffle mix	11.7	18.7	1.5	gvl silt	some	some	trees	**3**	long reach with emergents on RB below first riffle area abv New Rd BR
-78.73117	43.08483	**983-6**	wide channel	11.3	18.1	3.0	silt gvl	some	some	some	**4**	semi shaded reach with steel pilings on RB above canal
-78.72203	43.08407	**983-7**	narrow channel	11.8	19.0	5.3	silt gvl	some	some	some	**3**	site just abv 1st riffle above canal on RB near emergents
-78.71850	43.08101	**983-8**	narrow channel	12.1	19.5	3.5	silt	some	some	some	**3**	narrows at lg down tree with more small logs in water on RB with clay
-78.70132	43.08669	**983-9**	long pool	13.2	21.2	1.1	silt	some	some	some	**4**	1st long narrow pool below lg round pool below RT 78 BR
-78.70515	43.08697	**983-10**	long pool	13.0	20.9	1.3	silt gvl	some	some	some	**3**	2nd long narrow pool below lg round pool below RT 78 BR
-78.70931	43.08260	**983-11**	narrow channel	12.6	20.2	2.8	silt gvl	some	none	some	**3**	long reach below Mud Ck start at lg willow on RB below
-78.72923	43.08537	**983-12**	narrow channel	11.3	18.3	3.0	silt	some	some	some	**3**	reach at New Rd BR down to steel pilings on RB abv canal conflu
-78.49772	43.08504	**983-13**	shallow run	37.0	59.5	2.0	silt sand	some	some	bridge	**3**	shallow run below BR with rocks on RB abv & wood in water blw

-78.50332	43.09149	**983-14**	corner pool	35.9	57.8	3.0	sand silt	some	none	some	**3**	deep corner pool abv Bob Brockers place off Foot Rd abv RT 93
-78.63635	43.09336	**983-15**	riffle run mix	19.0	30.6	1.7	gvl silt	some	none	some	**3**	slow lg rocky run blw Rapids Rd BR into low gradient riffle with wood on RB
-78.57655	43.08877	**983-16**	corner pool	27.1	43.6	3.0	silt sand	some	none	some	**2**	lg corner pool blw channel with mod inflow on LB with wood
-78.58266	43.07725	**983-17**	corner pool	24.7	39.7	3.0	silt sand	some	none	some	**3**	lg corner pool blw narrow channel with current n wood both ends
-78.52743	43.09063	**983-18**	channel run	33.3	53.5	2.5	sand silt	some	none	some	**3**	shallow sandy run with lg rocks & wood barn on RB
-78.53201	43.08757	**983-19**	pool run mix	32.7	52.6	2.5	silt sand	some	none	some	**3**	silty Murder CK conflu into just blw massive LJ complex with current below
-78.55487	43.09535	**983-20**	corner pool	28.8	46.3	3.0	silt	none	none	some	**2**	lg corner pool with house on RB narrow riffle blw
-78.59705	43.07206	**983-21**	wide channel	23.0	36.9	2.0	silt sand	some	some	none	**3**	deep clay sided with wood; Beeman Ck on LB very shallow 7 small inflow
-78.61628	43.07505	**983-22**	corner bend run	20.8	33.5	3.0	silt	some	some	some	**3**	rehab of LB NR with long rip rap area some wood on both banks of clay
-78.62266	43.08510	**983-23**	narrow channel	19.7	31.7	3.0	silt gvl	some	some	some	**3**	dock & gvl ruins on LB near houses with some wood n undercut banks
-78.64210	43.09650	**983-24**	narrow channel	18.5	29.8	3.0	silt gvl	some	none	some	**3**	rock n residential debris on RB near cove brush on LB some current in ctr
-78.67726	43.08448	**983-25**	narrow channel	15.0	24.1	1.5	gvl silt	some	some	some	**4**	shallow rocky flats on LB with wood and residences on RB lilies blw on LB
-78.68698	43.08395	**983-26**	riffle mix	14.1	22.7	1.5	gvl silt	some	some	some	**2**	shallow narrow riffle area mostly rock btm;mod flows; some emergent veg
-78.69669	43.08633	**983-27**	run pool mix	13.4	21.6	3.0	rock silt	none	some	some	**2**	rocks n steel ruins from old BR under RT78 BR with rip rap on both banks
-78.32970	42.71160	**983-28**	pool riffle mix	94.7	152.5	1.3	gvl sand	none	none	some	**2**	east west branches merge into shallow sandy pool down LGR split channel
-78.31854	42.79337	**983-29**	pool run mix	87.7	141.2	2.0	gvl sand	some	none	some	**3**	shallow abv BR into long run with rip rap on RB down to lg gvl pool blw
-78.31287	42.76484	**983-30**	pool run mix	90.0	144.8	1.3	gvl silt	some	none	none	**2**	shallow run with rip rap on RB at park into long wider pool blw at Town Park
-78.29886	42.82382	**983-32**	pool run mix	85.0	136.8	1.2	gvl silt	some	none	bridge	**3**	old steel BR into gvl runs down into long wide slow rocky pool to riffle at btm
Tonawanda Creek ONT-158-12 (DEC Fish Survey 805945) 7-8 to 9-23-05												
-78.40010	43.02632	**945-1**	pool run mix	48.1	77.4	2.5	gvl silt	none	some	some	**3**	lg pool and sm runs abv Indian Falls outlet existing fish barrier with rock walls
-78.41456	43.03195	**945-2**	pool riffle mix	47.2	76.0	1.2	gvl silt	none	none	some	**2**	long shallow pool over bdrk into long shallow rocky riffle reach with flow
-78.43764	43.05597	**945-3**	pool riffle mix	44.9	72.3	1.2	gvl silt	none	none	bridge	**2**	shallow rocky gvl pool at old RxR BR piling into rocky riffles n sm BW pools
-78.42322	43.04530	**945-4**	pool riffle mix	46.1	74.2	1.0	gvl silt	some	none	some	**3**	long shallow pool abv deeper pool with roots then riffle areas with flow
-78.44119	43.06135	**945-5**	pool run mix	44.4	71.5	1.0	gvl silt	some	none	some	**3**	shallow pool abv into split channel RB rocky main stem silty BW pools on LB
-78.45389	43.09135	**945-6**	riffle run mix	40.7	65.6	1.0	gvl silt	some	some	some	**4**	shallow run n BW pools on RB blw BR out into LGR at btm with AV on RB
-78.18993	42.99842	**945-7**	riffle pool mix	62.8	101.1	2.0	gvl sand	much	much	culvert	**3**	mod flow from SPDES outflow on LB from WWTP warm outflow at 23 C
-78.18877	42.99757	**945-8**	riffle pool mix	62.9	101.2	2.5	gvl silt	none	much	none	**4**	small riffles below concrete weir up into wide plunge pool of Batavia dam
-78.33582	43.02056	**945-9**	pool riffle mix	52.6	84.6	1.5	gvl sand	some	much	none	**3**	lg pools at old mill ruins with shallow riffles @ N Pembroke Rd RB
-78.39467	43.02581	**945-10**	pool run mix	48.5	78.0	2.0	gvl silt	some	none	none	**2**	long rocky run below shallow rocky pool above flats under RT77 BR
-78.20311	43.00435	**945-11**	riffle run mix	61.5	99.0	1.0	gvl silt	none	much	none	**2**	shallow rocky riffle at BR into slow weedy silty narrow flood channel run
-78.22766	43.00536	**945-12**	pool run mix	60.7	97.7	2.0	gvl silt	some	some	some	**4**	slow wide pool with wood into narrow rocky run with Elodea some flow

-78.25051	43.00341	**945-13**	pool riffle mix	59.5	95.8	1.2	gvl silt	none	some	some	**3**	deep wide pool into low gradient riffles and sm pool below with wood
-78.18843	42.99670	**945-14**	wide channel	63.0	101.3	2.1	silt gvl	some	none	some	**3**	silty banks abv Batavia dam rocky shoal on RB before concrete wall & veg
-78.19203	42.97547	**945-15**	corner pool	65.4	105.2	1.8	silt sand	some	none	some	**3**	way upstream of Kibbe Park deep corner pool into shallow silty wooded run
-78.25612	42.90126	**945-16**	pool run mix	76.9	123.7	1.2	sand gvl	some	none	some	**3**	shallow sandy reach with sm pool abv rocky dam under BR into sandy run
-78.27523	42.86959	**945-17**	riffle run mix	80.5	129.5	1.2	gvl sand	some	none	some	**3**	shallow gvl riffle with deeper pools on RB into long run abv WWTP outflow
-78.23436	42.92902	**945-18**	pool run mix	71.8	115.6	1.6	sand silt	some	none	some	**3**	wooded run with pools down to BR with sm LJ below n steep silty banks
Lower Tonawanda Creek ONT-158-12 (No DEC Survey) 6-4 to 7-30-04												
-78.68802	43.08698	**14**	riffle run mix	13.9	22.4	0.3	gvl rock	some	none	some	**3**	lg boulders in water with patches of water lilies & arrowheads along margins
-78.66858	43.08496	**17**	narrow pool	51.4	82.7	2.4	silt rock	some	none	some	**3**	deep mid channel with dock on RB; water lilies along margins
-78.65857	43.08514	**18**	narrow pool	16.0	25.7	2.4	silt rock	some	some	none	**3**	standing wood and water lilies abundant along margins
-78.64434	43.08842	**19**	narrow pool	17.8	28.6	2.1	silt sand	none	some	none	**2**	narrow reach with wood on RB; depths 3 to 7 ft with some shade
-78.61964	43.08756	**22**	long pool	20.0	32.1	3.0	na	none	some	some	**2**	long deep pool with wood on both banks some shade
-78.61290	43.08208	**23**	long pool	20.5	33.1	3.0	na	none	some	some	**2**	long deep pool with wood-brush on both sides & brush in water; some shade
-78.61076	43.07695	**25**	long pool	21.3	34.3	3.0	na	none	some	some	**2**	long calm pool with wood-trees on both sides
-78.60613	43.07255	**26**	pool run mix	22.3	35.9	3.0	na	none	some	some	**2**	lg pool with brush in water on RB; higher current below with good depth
-78.58624	43.07268	**28**	wide pool	24.2	38.9	1.5	sand gvl	none	some	culvert	**3**	large culvert on LB at trib mouth with brush; canoe access in high water
-78.55524	43.09232	**30**	corner pool	29.6	47.7	3.0	na	none	some	some	**2**	deep corner pool with tree over RB with wood at pool tail
-78.54954	43.09566	**31**	long pool	30.1	48.4	3.0	na	none	much	some	**2**	long reach with LJ on & farm field on LB
-78.54539	43.09805	**32**	long pool	30.4	48.9	3.0	na	none	some	some	**2**	slow long reach with wood on RB & corner pool below
-78.54248	43.08939	**33**	corner pool	31.3	50.4	3.0	na	none	some	some	**2**	deep corner pool with shade on LB & wood at head; mod current
-78.54028	43.08602	**34**	pool run mix	32.0	51.5	3.0	na	none	some	some	**2**	deep with mod current & wood on LB with shade
-78.53201	43.08757	**36**	logjam slough	32.8	52.8	3.0	sand	none	much	some	**3**	massive debris jam mostly wood with split channel below down to T11
-78.51624	43.09118	**38**	deep pool	34.4	55.4	3.0	na	none	some	some	**2**	deep slow turbid main channel with wood
-78.51316	43.09505	**39**	corner pool	34.8	55.9	3.0	silt sand	none	none	some	**2**	deep slow corner pool with shade on LB
-78.50988	43.09804	**40**	corner pool	35.1	56.4	3.0	sand	none	some	some	**3**	deep slow corner pool with wood cover
-78.50901	43.09300	**41**	corner pool	35.5	57.1	3.0	sand	none	some	some	**3**	deep slow corner pool with wood cover
-78.50477	43.09008	**43**	corner pools	36.1	58.0	3.0	na	none	some	some	**2**	multiple deep slow turbid corner pools with wood cover
-78.50300	43.08722	**44**	shallow pool	36.5	58.7	1.0	sand	none	some	some	**3**	shallow pool with brush-wood on banks
-78.49948	43.08341	**46**	pool run mix	37.1	59.7	2.0	silt sand	none	none	bridge	**2**	poor habitat & turbid water near BR with high current
-78.49003	43.08265	**47**	pool riffle mix	38.2	61.5	3.0	silt gvl	none	some	none	**2**	channelized pool with down tree & shallow gvl riffle
-78.47541	43.08613	**48**	wooded pool	39.3	63.3	3.0	na	none	much	some	**2**	logjam with turtles observed on LB

-78.47196	43.08417	**49**	wooded pool	39.8	64.1	3.0	na	none	some	some	**2**	down maple tree on RB stretching across creek with willow below
-78.47226	43.08156	**50**	wide pool	40.0	64.4	3.0	na	none	some	some	**2**	flat reach in deep water with overhead willow on RB
-78.46403	43.08859	**51**	pool riffle mix	40.3	64.9	3.0	na	none	much	some	**2**	long pool between riffles; LJ on RB at top; back channel on RB wood on LB
-78.46215	43.08804	**52**	pool riffle mix	40.4	65.0	3.0	na	none	some	some	**2**	corner pool with mod flow & maple on RB with riffle below
-78.45165	43.09050	**54**	riffle pool mix	40.9	65.8	3.0	silt gvl	none	some	some	**3**	deep slack pool with willows on LB & wood on RB; riffle below
-78.44787	43.08994	**55**	pool run mix	41.4	66.6	3.0	silt gvl	none	some	some	**2**	sm narrow pool with mod flow and feeder creek on LB; some riparian
-78.43778	43.07830	**56**	pool riffle mix	42.7	68.8	3.0	gvl	some	some	some	**4**	emergents along lg pool; wood on RB; willows at pool tail; gvl riffle at btm
-78.43732	43.07302	**57**	shallow pool	43.3	69.7	1.0	na	none	some	some	**2**	shallow slow pool in open area; some wood on LB & shade on RB
-78.44183	43.06750	**58**	slack pool	43.9	70.6	1.5	na	none	some	some	**2**	lg pool with wood on RB
-78.43718	43.05880	**60**	pool riffle mix	44.7	72.0	3.0	gvl bdrk	none	some	some	**2**	shallow pool with wood in center and RB with riffle below; some brush
-78.42540	43.04699	**61**	pool riffle mix	45.9	73.9	3.0	gvl rock	none	none	none	**2**	lg deep pool with slack water between riffles; no shade
Middle Tonawanda Creek ONT-158-12 (No DEC Survey) 6-4 to 6-30-04												
-78.36702	43.02122	**63**	deep pool	50.6	81.4	3.0	silt gvl	none	some	none	**2**	lg pool with some wood cover & red canoe on LB
-78.35363	43.02000	**64**	deep pool	51.3	82.5	3.0	silt gvl	none	none	some	**2**	lg open deep pool with some brush cover
-78.33509	43.02038	**66**	pool riffle mix	52.0	83.7	1.5	na	some	none	some	**3**	submergents in pool below riffle on RB; concrete wall-brush on LB above BR
-78.32630	43.01514	**67**	pool riffle mix	52.9	85.1	3.0	na	none	some	some	**2**	corner pool with some wood-brush below riffle
-78.32307	43.01291	**68**	deep pool	53.1	85.5	1.0	gvl	none	none	some	**2**	deeper area above BR then shallow below into slow water; rip-rap cover
-78.32768	43.00964	**69**	slack pool	53.3	85.8	3.0	na	none	some	some	**2**	slack water pool with brush; camp on RB & wood in center; bird houses on LB
-78.31753	43.00003	**70**	pool riffle mix	54.4	87.5	1.0	gvl rock	none	some	some	**3**	slow pool at base of riffle; wood-brush on RB
-78.30999	42.99929	**71**	shallow pool	55.2	88.8	1.0	silt rock	some	none	some	**3**	shallow stretch with rocks; submergent veg growth in area under BR
-78.29834	42.99751	**72**	deep pool	55.8	89.9	3.0	gvl rock	none	none	some	**2**	deep under BR; little cover; slow pool below with trees on LB
-78.29173	43.00165	**73**	deep pool	56.3	90.6	3.0	na	none	some	some	**2**	slack area with wood-tree cover
-78.29024	43.00207	**74**	deep pool	56.5	90.9	3.0	na	none	some	some	**2**	slack area with some wood-trees and scum debris line below
-78.28888	43.00330	**75**	corner pool	56.7	91.3	3.0	na	none	some	some	**2**	slack water area and oxbow lake along LB; tree cover
-78.28767	43.00549	**76**	split pool	56.9	91.5	3.0	na	some	none	some	**3**	emergent cattails on LB & ferns on raised island in mid split channel
-78.28176	43.00624	**77**	corner pool	57.1	91.9	3.0	na	none	much	some	**2**	deep wooded slack water pool
-78.27885	43.00687	**78**	corner pool	57.4	92.4	3.0	gvl silt	none	none	some	**2**	turbid with gvl on inside turn; backwater below slough on LB; brush cover
-78.27271	43.00477	**79**	corner pool	57.9	93.2	3.0	sand	some	some	none	**3**	slack flow area; deep in center with wood and submergent veg
-78.26767	43.00569	**80**	slack pool	58.3	93.7	3.0	na	some	some	none	**3**	slack water with some wood and submergent veg below
-78.25661	43.00154	**81**	corner pool	61.0	98.2	1.0	na	some	none	some	**2**	brush-bridge cover along margins with submergent veg
-78.23138	43.00621	**83**	shallow pool	60.5	97.4	1.0	rock	none	some	some	**2**	wood-brush over stream in shallow reach

-78.22330	43.00599	**85**	wier pool	60.9	98.1	0.5	gvl	some	none	some	**3**	submergent veg abv concrete block wier; good clarity and bruh cover
-78.21981	43.00650	**86**	wide pool	61.1	98.3	1.0	sand gvl	much	none	some	**3**	slack water with brush; good clarity and heavy submergent veg growth
-78.21536	43.00333	**87**	corner pool	61.4	98.8	1.0	gvl	much	some	some	**4**	good water clarity in lg slack area with brush; emergent & submergent veg
-78.20137	43.00397	**89**	wide pool	60.6	97.5	1.0	sand gvl	much	some	some	**4**	shallow with submergent veg before corner bend and BR; some brush
-78.19815	43.00094	**90**	shallow pool	62.3	100.3	0.5	sand gvl	much	none	none	**3**	good submergent veg - milfoil & pondweed beds but no depth
-78.19752	43.00018	**91**	shallow pool	62.4	100.4	1.0	gvl rock	none	none	bridge	**2**	cover limited to BR
-78.19279	42.99959	**92**	narrow pool	62.6	100.8	3.0	gvl bdrk	much	none	bridge	**3**	narrow reach with some fair water clarity & submergent veg growth
-78.19087	42.99889	**93**	pool	62.7	101.0	2.0	gvl	some	none	bridge	**3**	mid reach between BRs with submergent milfoil veg
Upper Tonawanda Creek ONT-158-12 (No DEC Survey) 6-4 to 7-27-04												
-78.19149	42.99450	**97**	narrow channel	63.2	101.7	3.0	silt	some	none	bridge	**3**	trib abv BR on LB with good water clarity; submergent veg and tree cover
-78.18841	42.98985	**98**	narrow channel	63.4	102.1	3.0	silt	none	some	bridge	**2**	open area; possible stream access at Law Rd BR
-78.18685	42.98557	**99**	narrow channel	63.7	102.6	3.0	silt	none	some	some	**2**	long deep stretch at Kibbe park; car top launch area along RB; some trees
-78.18169	42.98469	**100**	narrow channel	64.1	103.2	3.0	silt	none	some	some	**2**	some riparian cover above Kibbe park below RxR BR in deep reach
-78.18081	42.98399	**101**	narrow channel	64.2	103.3	3.0	silt	none	some	some	**2**	good riparian cover; small backwater bay on LB some 100m below RxR BR
-78.18256	42.98166	**102**	narrow channel	64.4	103.7	3.0	silt	some	some	none	**3**	deep in middle; submergent & emergent veg along margins; wood on LB
-78.18931	42.97612	**103**	wooded pool	65.1	104.8	3.0	silt sand	none	some	some	**2**	first wood jam above Batavia Falls; some margin shade
-78.19569	42.96840	**105**	corner pool	66.0	106.2	3.0	silt	none	some	some	**2**	deep & shaded banks with trib near pvt camp on LB
-78.19229	42.96898	**106**	wide pool	66.3	106.6	3.0	silt	none	some	some	**2**	slack water with willows shading both banks
-78.19276	42.96784	**107**	multi-pools	66.6	107.1	3.0	silt	none	some	some	**2**	wide area with many pools & willow trees providing shade
-78.19149	42.96633	**108**	narrow pool	66.7	107.3	3	silt	none	some	bridge	**2**	straight channel with steep banks and wood below
-78.19199	42.96471	**109**	wooded pool	66.8	107.5	3.0	silt sand	none	much	some	**3**	slack water between much wood debris
-78.19379	42.96125	**110**	narrow channel	67.4	108.5	3.0	silt sand	none	much	some	**3**	slow & deep with steep edge with some wood; bank full abv mud line
-78.19598	42.95925	**111**	narrow channel	67.6	108.7	3.0	silt	none	some	some	**2**	T32 on RB with tree down over trib; high turbidity
-78.20340	42.95390	**112**	narrow channel	68.5	110.2	3.0	silt sand	none	much	some	**3**	deep and shaded pool between LJs; down tree on LB
-78.20520	42.95277	**113**	narrow channel	68.7	110.6	3.0	silt sand	none	some	some	**3**	old RxR BR ruins at dead-end road; shaded pool with trees-wood
-78.20862	42.94587	**114**	slow pool	69.6	112.0	1.5	silt	none	some	some	**2**	down willow tree on RB with discarded old tires
-78.20958	42.94499	**115**	short pool	69.8	112.3	3.0	na	none	some	some	**2**	deep with down wood
-78.21296	42.94214	**116**	deep pool	70.0	112.7	1.5	na	none	some	tree	**2**	semi-deep ash tree down ash tree across narrow channel
-78.21645	42.94180	**117**	narrow pool	70.2	113.0	3.0	silt sand	none	none	bridge	**2**	shallow reach but deep above near RxR BR
-78.22566	42.93897	**118**	corner pool	70.6	113.6	3.0	silt sand	none	none	some	**2**	deep & shaded pool
-78.22556	42.93627	**119**	wooded pool	70.9	114.1	3.0	silt	none	much	some	**2**	deep pool with wood cover

-78.22723	42.93370	**120**	split pool	71.1	114.4	3.0	silt sand	none	much	some	**3**	at btm of split channel with wood debris on RB and secluded LB
-78.22760	42.93375	**121**	pool riffle mix	71.2	114.6	3.0	silt sand	none	some	some	**3**	deep corner & wooded with shade on RB; narrow channel & rapids below
-78.23103	42.93263	**122**	wooded pool	71.5	115.0	3.0	silt sand	none	much	some	**3**	slow & deep with LJ
-78.23397	42.92018	**124**	corner pool	73.2	117.7	3.0	silt sand	none	much	none	**2**	deep with little cover
-78.23628	42.91941	**125**	corner pool	73.5	118.3	3.0	silt sand	none	much	none	**2**	deep with little cover
-78.23541	42.91681	**126**	corner pool	73.9	118.9	3.0	silt sand	none	much	none	**2**	sm pool with little cover and LJ below
-78.23887	42.91297	**127**	wooded pool	74.5	119.9	3.0	silt sand	none	much	some	**3**	woody debris impedes navigation; deep in front with long stretch of debris
-78.24971	42.90362	**128**	deep pool	76.6	123.3	3.0	silt sand	none	some	bridge	**2**	good depth above BR
-78.25079	42.90285	**129**	deep pool	76.7	123.4	3.0	sand rock	none	some	none	**2**	small but deep with wood on RB
-78.25757	42.87725	**131**	riffle pool mix	79.0	127.1	3.0	silt sand	none	some	bridge	**3**	good access at BR; lg pool with shallow riffles abv; beavers observed
-78.25735	42.87699	**132**	run riffle mix	79.1	127.3	1.0	silt sand	none	much	none	**2**	slow water above BR then riffle into sm falls & rapids below into LJs
-78.26243	42.87763	**133**	wide pool	79.6	128.1	3.0	silt	none	some	some	**2**	lg pool with deep scouring under wood jam
-78.26580	42.87458	**134**	riffle pool mix	79.8	128.4	1.5	silt gvl	none	some	some	**3**	long narrow pool between riffles; deep under wood jam; high turbidity
-78.27957	42.86791	**135**	corner pool	80.6	129.8	3.0	silt sand	none	none	bridge	**2**	deep with artificial RB built in 1992; located before BR near Burger King
-78.28336	42.86407	**136**	long pool	81.3	130.8	1.0	silt sand	none	none	bridge	**2**	shallow silt pool at BR; steep concrete weir below into sm plunge pool
-78.27922	42.85649	**137**	corner pool	82.0	132.0	3.0	gvl rock	none	some	none	**2**	deep with willow tree on RB; Attica Rodeo field on RB; shallow area below
-78.28221	42.85630	**138**	split pool	82.2	132.2	3.0	silt rock	none	some	bridge	**2**	deep pool below long shallow pool & split channel rocky area
-78.27902	42.85249	**139**	corner pool	82.6	133.0	1.5	sand gvl	none	some	some	**3**	deep with wood on LB with some brush cover
-78.28222	42.84949	**140**	multi-pools	82.7	133.1	3.0	sand gvl	none	much	none	**2**	several deep wooded pools & narrow pool below with good water clarity
-78.28052	42.84540	**141**	multi-pools	82.9	133.5	3.0	silt sand	none	none	bridge	**2**	several pools above BR with eddy then deep slow rocky & wide pool below
-78.28242	42.84168	**142**	multi-pools	73.3	117.9	3.0	silt gvl	none	some	some	**3**	wooded corner pool with willow-ash trees; then deep pool into shallow tail
-78.28147	42.83916	**143**	multi-pools	83.4	134.3	2.0	gvl	none	much	some	**3**	clear water in slow wooded pool & corner pool with wood & cottonwood tree
-78.28493	42.83544	**144**	riffle pool mix	83.9	135.0	3.0	silt gvl	none	some	some	**3**	riffle above with wooded scour pool into narrow corner pool below
-78.29030	42.83162	**145**	pool riffle mix	84.4	135.9	3.0	na	none	much	some	**2**	slow deep corner pool below riffle; some trees
-78.29896	42.82676	**146**	narrow pool	84.8	136.5	1.0	sand gvl	none	none	bridge	**2**	pvt campground near white house off RT98
-78.30714	42.80709	**148**	pool riffle mix	86.6	139.3	2.0	gvl	none	some	none	**2**	deep corner pools with rip-rap on RB & some shade with riffles below
-78.31091	42.80184	**149**	pool riffle mix	86.9	139.8	3.0	silt gvl	none	some	some	**3**	multiple deep corner pools with some shade & riffles below with slack water
-78.31338	42.80081	**150**	wooded pool	87.0	140.0	1.5	silt	none	much	some	**2**	slack water pool with some wood cover
-78.31442	42.79813	**151**	corner pool	87.3	140.4	1.5	silt gvl	none	none	trees	**2**	slack water with some shade; roadway along RB
-78.31848	42.79419	**152**	multi-pools	87.7	141.1	1.0	silt	none	some	some	**2**	deep turbid pool into lg shallow pool with wood & rip rap along RB
-78.30564	42.74853	**154**	run pool mix	91.3	146.9	1.0	gvl rock	none	none	bridge	**2**	small water area with fast flows

-78.30820	42.73755	**155**	riffle pool mix	93.1	149.8	1.0	gvl rock	none	none	bridge	**2**	scour pool below RT98 BR between shallow riffle areas; good water clarity
Ellicott Creek ONT-158-12-1 (DEC Fish Survey 905984) 6-2 & 7-7-05												
-78.87307	43.01936	**984-1**	narrow channel	0.2	0.3	4.3	gvl silt	some	none	some	**3**	first run up lower reach past narrows with docks up to first BR
-78.81393	43.02292	**984-2**	narrow channel	3.7	6.0	2.6	silt gvl	some	some	bridge	**3**	above RT62 BR in stagnant water, green slime layer; near diversion canal
-78.84474	43.01281	**984-3**	narrow channel	1.8	2.9	2.4	silt	some	some	some	**3**	narrow channel with docks on LB & down wood on RB abv sm BR
Bull Creek ONT-158-12-3 (DEC Fish Survey 905985) 6-2 & 7-8-05												
-78.83086	43.05291	**985-1**	narrow channel	0.2	0.3	1.5	silt gvl	some	none	some	**3**	very turbid stretch with muck btm
-78.83376	43.05831	**985-2**	narrow channel	0.6	1.0	1.3	silt	some	some	none	**3**	shallow soft btm reach with high turbidity & stagnant green water
Ransom Creek ONT-158-12-6 (DEC Fish Survey 905986) 7-8-05												
-78.74677	43.06761	**986-1**	narrow channel	0.2	0.3	2.2	silt gvl	some	none	some	**3**	lower reach of creek with stagnant green water upstream
Mud Creek ONT-158-12-8 (No DEC Survey) 6-4 & 8-3-04												
-78.69714	43.09037	**2**	pool run mix	0.6	0.9	1.0	silt sand	none	none	bridge	**2**	shallow reach with higher current near BR area
-78.68821	43.09373	**3**	wooded pools	1.2	1.9	1.5	Na	none	much	some	**2**	deep with brush-wood above small LJ; long narrow below with LJ & shade
-78.67579	43.09780	**4**	narrow pool	2.0	3.2	3.0	Na	some	some	some	**3**	water lilies with some trees-brush cover; light current at high water
-78.66715	43.10026	**5**	wide pool	2.5	4.1	2.0	Na	none	some	some	**2**	flat flooded lawn on RB with tree-brush cover; swing rope back on RB
-78.65799	43.10117	**6**	pool riffle mix	3.0	4.9	3.0	Na	none	some	some	**2**	deep slow pool below riffle with shade & brush on LB in water
-78.64972	43.10079	**7**	slack pool	3.7	6.0	3.0	Na	some	some	some	**3**	open area with submergent veg along margins with willow trees-brush cover
-78.64607	43.10151	**8**	narrow pool	4.1	6.6	2.0	silt gvl	none	none	bridge	**2**	near BR with some brush cover
-78.64653	43.10258	**9**	wide pool	4.2	6.7	2.0	Na	much	some	some	**3**	above BR & split channel; trees-brush cover plus submergent & emergent veg
-78.64218	43.10139	**10**	riffle	4.5	7.2	1.5	gvl rock	none	some	none	**2**	pvt farm road crossing with down willow trees in water; brown house on LB
-78.63935	43.10352	**11**	narrow pool	4.8	7.7	1.5	Na	some	some	some	**3**	submergent veg and brush filled channel area
-78.63656	43.10511	**12**	narrow pool	5.1	8.2	3.0	Na	none	some	some	**2**	high water pool with wood-brush in flood zone & deep main channel
-78.63597	43.10759	**13**	narrow pool	5.3	8.5	2.2	Silt	some	none	some	**3**	launch at BR with submergent veg; very dark stained water with good riparian
Ledge Creek ONT-158-121-1 (No DEC Survey) 8-6-04												
-78.51950	43.08194	**1**	slack pool	1.3	2.1	2.0	silt sand	none	some	much	**2**	brush cover & slow flows
-78.51831	43.08129	**2**	slack pool	1.4	2.3	2.0	silt sand	none	some	much	**2**	open area with brush & slow flows
Murder Creek ONT-158-12-11-1 (DEC Fish Survey 905987) 8-18-05												
-78.51918	43.08012	**987-1**	pool run mix	0.1	0.1	2.0	silt gvl	some	some	bridge	**3**	silty pool below with beaver dam into slow weedy run above N TC Rd BR
-78.51773	43.06005	**987-2**	riffle pool mix	2.1	3.4	1.3	gvl silt	much	some	some	**4**	rocky shallow reach with sm deeper pools between riffles abv blw S.Mills BR
Murder Creek ONT-158-12-11-1 (No DEC Survey) 8-3 & 8-6-04												
-78.51837	43.07873	**4**	corner pool	0.1	0.1	1.0	silt sand	none	none	bridge	**2**	small but deep pool above BR with brush along margins

-78.52170	43.07806	**5**	long pool	0.2	0.3	2.0	silt sand	none	much	none	**2**	above split channel area with much wood in LJs
-78.52091	43.07238	**6**	corner pool	0.4	0.6	1.0	silt sand	none	much	none	**2**	long narrow stretch abv-blw corner pool with carp & LJ on RB
-78.52229	43.06945	**7**	shallow pool	1.1	1.8	0.5	silt sand	none	none	some	**2**	slack water above unmapped BR; some trees
-78.51783	43.06802	**8**	narrow pool	1.4	2.2	2.0	sand gvl	some	some	some	**4**	carp filled pool with wood-brush & overhang trees
-78.51656	43.06473	**9**	long pool	1.5	2.4	1.0	gvl rock	some	none	bridge	**3**	BR at pool tail with falls; pvt BR 200m below
-78.51730	43.06295	**10**	pool riffle mix	1.9	3.1	0.5	Gvl	none	some	some	**3**	shallow wide pool between riffles and wood cover
-78.51685	43.06122	**11**	narrow pool	2.1	3.3	0.5	gvl rock	none	none	some	**2**	shallow slow pool channel with some shade
-78.51971	43.05714	**13**	deep pool	2.4	3.8	3.0	Na	some	some	some	**3**	farm field road on RB & trees on LB and submergent veg at shallow pool tail
-78.52144	43.05322	**14**	shallow pool	2.8	4.5	0.5	Gvl	none	some	some	**3**	brush on banks with carp and LJ at pool tail
-78.51285	43.04694	**15**	slack pool	3.6	5.8	1.0	gvl rock	none	none	bridge	**2**	below high current area above BR; USGS gauging station on LB below BR
-78.50898	43.04078	**16**	pool riffle mix	4.2	6.7	0.5	Rock	none	none	some	**2**	sm waterfall abv walk-BR; riffle below into rocky area with shade
-78.50962	43.04124	**17**	narrow pool	4.3	6.8	2.0	Na	some	some	brush	**3**	shallow with LJ at tail; lg barn owl observed
-78.50875	43.03755	**18**	wide pool	4.6	7.4	3.0	silt	none	much	some	**2**	lg pool with wood on both banks & farm field road on LB between LJs
-78.50948	43.03637	**19**	pool complex	4.8	7.6	1.5	silt gvl	some	some	some	**4**	floodplain split channel with brush; submergent coontail veg; lg BWP below
-78.50883	43.03488	**20**	long pool	4.9	7.9	3.0	gvl silt	some	some	some	**4**	trib on RB at pool head with brush; submergent Elodea veg on RB
-78.50917	43.03088	**21**	shallow pool	5.2	8.4	1.0	sand gvl	none	some	none	**2**	LJ at top some wood on LB semi clear dark water shade
-78.50726	43.03041	**22**	shallow pool	5.3	8.6	0.5	sand gvl	none	some	none	**2**	dark slow water willow cover LJ below on RB center
-78.50708	43.02797	**23**	shallow pool	5.4	8.7	0.5	silt gvl	none	none	bridge	**2**	slow pool at BR some 100m above Akron WWTP discharge pipe
-78.50503	43.02224	**24**	shallow pool	5.9	9.5	1.5	Gvl	some	much	some	**4**	dark water color here with trees-brush & multiple LJs below
-78.50456	43.02061	**25**	shallow pool	6.0	9.7	1.0	gvl rock	some	none	some	**3**	good water clarity but stained with dark bottom; concrete wall on margin
Little Tonawanda Creek ONT-158-12-32 (DEC Fish Survey 805946) 9-14 & 9-17-05												
-78.18923	42.95389	**946-1**	pool run mix	1.0	1.6	3.0	silt gvl	some	some	some	**4**	slow weedy deep pool near BR into beaver dam and slow silty run with wood
-78.19171	42.92781	**946-2**	pool riffle mix	4.6	7.4	2.0	sand gvl	some	none	some	**3**	lg deep sandy pool at tall RxR BR into rocky swift riffle below slow on RB
Little Tonawanda Creek ONT-158-12-32 (No DEC Survey) 7-27-04												
-78.19598	42.95925	**1**	narrow run	0.0	0.0	3.0	silt sand	none	some	some	**2**	high water with some wood-brush over creek channel near mouth
-78.19552	42.95866	**2**	narrow run	0.1	0.2	3.0	silt sand	none	none	some	**2**	flood plain filled with water past riparian brush, deep channel
-78.19493	42.95771	**3**	narrow run	0.3	0.5	1.5	silt sand	none	some	some	**2**	slack water with wood; flood plain on LB; down willow in main channel
-78.19255	42.95643	**4**	narrow run	0.6	1.0	3.0	silt sand	none	none	some	**2**	slow narrow deep pool with brush along margins
-78.18776	42.95389	**6**	run pool mix	1.5	2.3	3.0	silt gvl	none	some	some	**2**	trees-brush along high water mark in mod current; shaded banks & pool below
-78.19258	42.92953	**7**	pool riffle mix	4.4	7.1	1.0	sand gvl	some	none	some	**3**	lg pool above-under BR with high velocity riffle below
-78.19269	42.92671	**8**	run pool mix	4.7	7.6	1.0	sand gvl	some	none	culvert	**3**	high flow thru dual culverts under BR then sm slack pools below

East Fork Tonawanda Creek ONT-158-12-77 (DEC Fish Survey 905988) 9-22-05

-78.31174	42.70484	**988-1**	pool riffle mix	1.3	2.1	1.2	gvl sand	some	none	some	**3**	sm shallow pools below rip-rap at BR into riffles with sm corner pools blw

Appendix 2. Johnson Creek Watershed Survey Data (2004-2005). Also see maps 3c, 3e-3w.

X	Y	SN	Habitat Type	RM	RKM	MD	SS	AV	IW	BC	HR	Notes
Johnson Creek ONT-139 (DEC Fish Survey 805943) 5-17 to 8-24-05												
-78.26451	43.36061	**943-1**	slow run	1.4	2.3	2.5	silt rock	none	some	some	**3**	LB above BR with fair water clarity sparse submergent veg
-78.28027	43.35443	**943-2**	run pool mix	2.6	4.1	1.5	gvl silt	none	some	some	**3**	shallow run abv BR and deeper silty pool run under and below BR
-78.38756	43.32227	**943-3**	slow channel	11.6	18.6	0.5	gvl sand	none	none	some	**2**	below dam past RT63 BR in shallow hard bottom flats
-78.38896	43.32191	**943-4**	pool riffle mix	11.6	18.7	2.0	gvl sand	some	none	some	**3**	some algae above RT63 BR below Lyndonville Dam with sm bubble curtain
-78.26942	43.35953	**943-5**	slow channel	1.7	2.8	1.1	gvl silt	much	some	some	**4**	***covers 2004 sites 14, 15:** deeper weedy right side of split channel area
-78.26584	43.36012	**943-6**	slow channel	1.5	2.5	1.1	gvl silt	much	some	some	**4**	***covers 2004 sites 11, 13:** weedy area with lg rocks above RT18 BR
-78.26416	43.36120	**943-7**	slow run	1.4	2.3	2.0	silt gvl	some	some	some	**4**	***covers 2004 sites 9, 10:** deep run below RT18 BR above shallow flats
-78.25821	43.36478	**943-8**	slow channel	1.0	1.6	1.2	gvl silt	some	some	some	**4**	***covers 2004 sites 6,7:** weedy flats above/below split channel - island area
-78.25768	43.37068	**943-9**	slow channel	0.6	1.0	1.1	Silt	some	some	some	**3**	cattail margins near mouth Syren Ck sampled at dusk into T1
-78.26745	43.37227	**943-10**	slow channel	0.1	0.1	2.4	gvl sand	some	none	some	**3**	***covers 2004 sites 1,2:** wide area at Lake mouth mostly gvl btm some riprap
-78.26562	43.37164	**943-11**	slow channel	0.2	0.3	2.1	silt sand	some	some	some	**3**	estuary region with shoreline of cattails between pvt docks
-78.26397	43.37133	**943-12**	slow channel	0.3	0.4	1.8	silt rock	some	some	some	**3**	wide slow shallow weedy reach above Lakeside Rd Steel BR
-78.26009	43.37147	**943-13**	slow channel	0.5	0.7	1.5	silt sand	some	some	some	**3**	shallow weedy reach above Lakeside Steel BR beyond overhead power lines
-78.27470	43.35763	**943-14**	riffle pool mix	2.1	3.3	0.5	gvl silt	some	some	some	**3**	some clay on LB in shallow area with small riffle above
-78.27150	43.35761	**943-15**	slow flats	1.9	3.1	1.5	silt gvl	much	some	some	**4**	weedy shallow area above first shallow riffle impassable by eboat
-78.30866	43.34536	**943-16**	slow channel	5.4	8.6	1.5	sand gvl	some	some	some	**4**	sandy turbid reach near Carlton Yates Townline Rd BR
-78.31013	43.34552	**943-17**	riffle pool mix	5.5	8.8	1.2	sand silt	some	some	some	**4**	mostly fines with some gravel and wood above BR
-78.38473	43.32587	**943-18**	Run pool mix	11.2	18.1	1.0	gvl sand	some	some	some	**4**	wide area with concrete weir under old RxR BR and SPDES site on LB
-78.38181	43.33219	**943-19**	slow run	10.6	17.0	1.0	gvl rock	some	some	some	**3**	pvt concrete farm road crossing stream with high current at built-in culverts
-78.33616	43.33619	**943-20**	slow channel	7.7	12.3	1.5	gvl silt	some	some	some	**4**	shaded slack water area with faster current at end of site
-78.32358	43.34121	**943-21**	pool riffle mix	6.6	10.5	1.5	gvl silt	some	some	some	**4**	varied site with wood snags at left bend corner pool shallow riffle below
-78.28472	43.35351	**943-22**	riffle pool mix	2.9	4.6	1.6	gvl sand	much	some	some	**4**	much eel grass and a clay ledge on RB at pool tail sandy LB gvl in center
-78.30146	43.34737	**943-23**	riffle pool mix	4.6	7.3	3.0	silt gvl	none	some	some	**3**	deep right bend corner pool with LJ below steep turbid LB with hard clay
-78.29147	43.35147	**943-24**	Run pool mix	3.6	5.8	1.5	gvl silt	some	some	some	**4**	left bend corner pool with sandy tail between slow runs and riffle above

-78.40390	43.31560	**943-25**	slow channel	12.6	20.3	1.8	silt	some	some	some	**3**	upper section of slow woody channel below down tree
-78.40169	43.31794	**943-26**	slow channel	12.4	20.0	1.8	silt	some	some	some	**3**	narrow slow channel reach with wood and some shade
-78.39133	43.32195	**943-27**	slow channel	11.8	18.9	1.2	silt	much	some	some	**3**	mouth of creek into Lyndonville Pond east to the dam
-78.39952	43.32032	**943-28**	slow channel	12.2	19.7	2.0	silt	some	some	some	**3**	narrow channel at first bend above silty weedy pond
-78.39526	43.32210	**943-29**	slow channel	12.0	19.3	2.5	silt	some	some	some	**3**	narrow long channel directly above pond with weedy margins
-78.45778	43.29288	**943-30**	riffle pool mix	17.5	28.1	1.5	gvl silt	some	some	much	**3**	at confluence with Jeddo in shallow riffle complex with sm pool mostly gvl
-78.44550	43.29567	**943-31**	riffle pool mix	16.4	26.4	3.0	silt gvl	none	some	some	**3**	third farm road BR below T9 with deep pools abv-blw steep riffle under BR
Johnson Creek ONT-139 (No DEC Survey) 6-4 to 7-8-04												
-78.27376	43.35743	**17**	pool run mix	2.0	3.1	1.5	silt rocks	some	some	some	**3**	above/below old steel BR with lg wide shallow weedy sandy flats below
-78.30225	43.34571	**22**	corner pool	4.3	7.0	3.0	silt sand	none	much	some	**3**	sharp left corner pool above T7b at water pump oil & lg logjam below
-78.30704	43.34902	**24**	corner pool	5.0	8.0	3.0	silt sand	none	some	some	**3**	deeper corner pool with some brush on banks
-78.33242	43.33817	**27**	Run pool mix	7.3	11.7	3.0	silt gvl	some	some	some	**4**	lg corner pool with long slow reach above; some shade on RB and submergents
-78.34856	43.33917	**29**	riffle pool mix	8.3	13.3	0.8	silt gvl	none	none	some	**2**	parking on LB at BR-out near shallow rocky reach into flats with riffle below
-78.35873	43.33410	**30**	Run pool mix	9.0	14.4	1.0	silt sand	none	none	some	**2**	pvt road on RB no parking at BR-out near shallow channel with some shade
-78.38070	43.32679	**32**	corner pool	10.8	17.3	3.0	gvl rock	none	some	some	**3**	lg down willow across creek near slack corner pool with rock gvl btm
-78.37445	43.32027	**35**	pond 171a	1.7	2.8	3.0	silt sand	much	none	some	**3**	lg pvt pond to T5 with dam near Platten Road with much shoreline veg
-78.39011	43.32124	**36**	pond 172	11.5	18.5	1.0	silt gvl	much	none	none	**2**	village boat ramp behind post office; steep bumpy slab at silt btm weedy area
-78.40419	43.31379	**42**	slow channel	12.6	20.3	2.0	Silt	some	some	much	**3**	narrow shaded reach with weedy shallow margins and patches of down wood
-78.40295	43.31234	**43**	slow channel	12.8	20.6	3.0	Silt	some	some	much	**3**	narrow shaded reach with weedy shallow margins and patches of down wood
-78.40532	43.31115	**44**	slow channel	12.9	20.8	3.0	Silt	some	some	much	**3**	narrow shaded reach with weedy shallow margins and patches of down wood
-78.40472	43.31049	**45**	slow channel	13.0	20.8	3.0	Silt	some	some	much	**3**	lg down tree impassable by eboat from pond; good riparian with much wood
-78.40751	43.30611	**46**	slow channel	13.4	21.6	3.0	Silt	some	some	much	**3**	long deep reach between T7 and T6 with silty clay banks on both sides
-78.41784	43.30642	**47**	slow channel	14.1	22.7	3.0	Silt	none	some	much	**2**	long deep shaded reach with silty clay banks on both sides
-78.43353	43.30238	**48**	slow channel	15.0	24.1	3.0	Silt	none	some	much	**2**	deep silty reach with much bank brush and wood above BR
-78.43887	43.29890	**49**	corner pool	15.4	24.8	3.0	Na	none	much	some	**2**	deep corner pool above T7b with various logjams
-78.44338	43.29637	**50**	corner pool	15.9	25.5	3.0	Na	none	much	some	**2**	deep corner pool below pvt farm road BR among various logjams
-78.45330	43.29814	**52**	corner pool	16.5	26.6	3.0	Na	none	some	some	**2**	back to back deep corner pools located above T8a on LB
-78.46561	43.29161	**54**	narrow pool	17.6	28.3	1.5	silt gvl	none	some	some	**3**	narrow reach with much shoreline brush and shallow under BR
Upper Johnson Creek ONT-139 (DEC Fish Survey 905980) 9-5 to 9-21-05												
-78.52292	43.24346	**980-1**	riffle pool mix	25.1	40.4	1.2	silt gvl	some	some	some	**3**	lg pool below closed BR with riffles abv & blw down tree at pool tail
-78.50908	43.21344	**980-2**	riffle pool mix	28.1	45.2	1.5	gvl silt	none	some	much	**3**	steep pool riffle area below canal outflow from lg culvert

-78.48892	43.28753	**980-3**	Run pool mix	19.7	31.8	1.0	silt gvl	some	none	some	**3**	silty with side pool near dry trib with lilies on LB livestock trampling on RB
-78.50375	43.28134	**980-4**	Run pool mix	20.8	33.5	1.2	sand silt	some	some	much	**3**	sandy wooded area between BRs with shade some fish in poor health
-78.52020	43.26028	**980-5**	pool run mix	23.6	38.0	0.8	silt gvl	much	some	some	**4**	silty eel grass filled stretch abv & blw BR with mod current after ppt
-78.51980	43.22730	**980-6**	riffle pool mix	26.8	43.2	1.0	gvl silt	none	some	some	**3**	shallow riffle abv BR with lg riprap blw into gvl run; trib on LB and sm pools
Upper Johnson Creek ONT-139 (No DEC Survey) 7-6 to 7-17-05												
-78.48340	43.28710	**55**	Run pool mix	18.9	30.4	3.0	silt gvl	none	some	some	**3**	slack water abv-blw pvt farm road crossing; plunge pool below 2 lg culverts
-78.48793	43.28821	**56**	corner pool	19.2	31.0	3.0	Na	some	some	some	**3**	deep corner pool below with water lilies n blue barn on RB
-78.49133	43.28534	**58**	Run pool mix	19.6	31.6	3.0	silt sand	none	some	none	**2**	deep corner pool with apple farm on LB and 4 junk cars on RB
-78.49236	43.28603	**59**	Run pool mix	19.7	31.7	2.0	Na	none	some	some	**2**	deep stretch with mod flow plus lg wt ash on LB with vines
-78.50237	43.28266	**60**	slow pool	20.4	32.9	1.5	silt sand	none	some	some	**3**	slack water below BR at mouth of T13 & brush on both banks
-78.50575	43.28046	**62**	corner pool	20.7	33.3	3.0	Na	some	some	some	**3**	first deep corner pool below a long shallow reach with some shade
-78.51706	43.27233	**63**	plunge pool	21.8	35.0	1.0	silt sand	none	some	some	**3**	wood choked pvt concrete passage 1m wide with deep plunge pool below
-78.52377	43.26008	**65**	plunge pool	23.2	37.3	3.0	silt sand	some	some	none	**3**	deep pool below sm steel BR & waterfall below log cabin on RB; emergent veg
-78.51733	43.24349	**67**	Run pool mix	24.7	39.8	0.5	Silt	some	some	some	**3**	riprap work at RT104 BR with some emergents in shallow reach
-78.51220	43.21622	**69**	riffle	26.9	43.3	0.5	silt sand	none	none	some	**2**	narrow reach with thick brush; short riparian corridor below canal culvert
-78.51436	43.20603	**70**	riffle	27.9	44.9	0.5	sand gvl	none	none	some	**2**	shallow gvl reach above canal culvert was wet in 2004 but dry in 2005
Jeddo Creek ONT-139-9 (DEC Fish Survey 805944) 8-30-05												
-78.45694	43.25540	944-1	pool riffle mix	3.1	5.0	1.3	gvl rock	none	some	some	**2**	wide pool below concrete BR with shallow rocky riffles abv & blw
Jeddo Creek ONT-139-9 (No DEC Survey) 6-7 to 6-21-04												
-78.45760	43.29269	**1**	shallow pool	0.0	0.1	1.0	sand gvl	none	some	some	**3**	shallow reach with undercut banks
-78.45809	43.29220	**2**	slack pool	0.1	0.1	2.0	sand gvl	none	none	some	**2**	deep slack water pool
-78.45584	43.27899	**3**	corner pool	1.3	2.1	3.0	sand gvl	none	none	some	**2**	deep corner pool above small BR in back of Campgrounds
-78.45398	43.27080	**4**	slack pool	1.9	3.0	3.0	sand gvl	none	some	none	**2**	deep slack water pool with some shade
-78.45593	43.26868	**5**	corner pool	2.1	3.3	3.0	sand gvl	none	none	some	**2**	deep slack water pool
-78.45681	43.26745	**6**	corner pool	2.2	3.5	3.0	sand gvl	none	none	some	**2**	deep slack water pool
-78.45611	43.25884	**7**	corner pool	2.9	4.7	3.0	sand gvl	none	some	none	**2**	deep shaded pool with good riparian
-78.45667	43.25714	**8**	riffle pool mix	3.0	4.9	2.0	sand gvl	none	none	some	**2**	pool at base of long riffle below RT104 BR
-78.43866	43.21641	**10**	riffle	6.8	10.9	0.5	rock gvl	none	none	some	**2**	small culvert below canal at Dublin Rd
-78.43557	43.21345	**11**	Run pool mix	7.1	11.4	1.5	rock gvl	none	none	some	**2**	above canal at RT31E BR west of Shelby Basin Rd
Jeddo Creek ONT-139-9-1 (DEC Fish Survey 905981) 7-15-05												
-78.47392	43.22851	**981-1**	pool riffle mix	6.1	9.8	0.5	gvl sand	some	none	some	**3**	shallow gvl reach below RT271 - Stone Rd Culvert

-78.47485	43.22765	**981-2**	pool riffle mix	6.2	9.9	1.2	silt rock	some	none	some	**2**	rocky deep reach near RT271 - Stone Rd culvert well below canal outflow
Jeddo Creek ONT-139-9-1 (NO DEC Survey) 6-7 to 6-21-04												
-78.45633	43.25493	**12**	slow channel	0.0	0.0	2.0	silt sand	some	none	some	**3**	above RT104 at T1 confluence at long open channel some riparian
-78.45355	43.24988	**13**	corner pool	0.5	0.8	3.0	Silt	none	some	some	**2**	deep shaded corner pool above confluence
-78.45453	43.24929	**14**	slack pool	0.6	0.9	3.0	Silt	none	some	some	**2**	deep slack water pool
-78.45631	43.24859	**15**	corner pool	0.7	1.1	3.0	Silt	none	some	some	**2**	deep shaded pool with good riparian
-78.45876	43.24700	**16**	corner pool	0.9	1.4	3.0	Silt	none	some	some	**2**	deep shaded pool with good riparian
-78.46019	43.24608	**17**	corner pool	1.0	1.5	3.0	Silt	none	some	some	**2**	deep shaded pool with good riparian
-78.46087	43.24596	**18**	plunge pool	1.0	1.6	3.0	Silt	none	some	some	**2**	scoured pool below culvert
-78.46209	43.24476	**19**	corner pool	1.0	1.6	2.0	silt rock	none	some	some	**2**	deep shaded pool with good riparian

Appendix 3. Oak Orchard Creek Watershed Survey Data (2004-2005). Also see maps 4c-4i.

X	Y	SN	Habitat Type	RM	RKM	MD	SS	AV	IW	BC	HR	Notes
Lower Oak Orchard Creek ONT-138 (No DEC Survey) 8-26-04												
-78.19274	43.37010	**1**	open channel	0.1	0.2	2.1	silt	much	some	some	**3**	much duckweed near shoreline with lg bowfin in thick veg above Lake
-78.19150	43.36165	**2**	open channel	0.7	1.1	2.0	silt	much	some	some	**3**	multiple marinas in narrow stretch & lg schools of gizzard shad
-78.19797	43.35657	**3**	open channel	1.2	2.0	2.5	gvl rock	much	some	some	**4**	more docks and steep shore on LB with many longnose gar near surface
-78.19619	43.35560	**4**	open channel	1.4	2.2	2.5	gvl rock	some	some	some	**4**	steep cliff on RB past marinas with deep outer veg edge & shallow flats below
-78.19248	43.35225	**5**	open channel	1.8	2.8	9.0	sand gvl	some	some	some	**4**	deep hole below RT18 BR above T1 & many docks with two boat ramps
-78.19318	43.35194	**6**	open channel	1.9	3.0	3.0	sand gvl	much	some	some	**4**	RT18 BR overpass with shallow gvl area on margins
-78.21496	43.34004	**7**	open channel	3.5	5.7	1.5	sand gvl	much	some	some	**4**	long narrow reach with much veg growth near shoreline
-78.22330	43.34135	**8**	open channel	3.8	6.2	1.0	sand gvl	much	some	some	**4**	suckers on RB & walleye under duckweed mats in thick veg on LB
-78.23310	43.33865	**9**	open channel	4.5	7.3	1.0	sand gvl	much	much	some	**4**	lg patch of submergent Elodea veg on LB with fallen wood in water
-78.23934	43.33589	**10**	shallow riffle	4.8	7.8	0.5	sand gvl	much	some	some	**4**	upper limit of eboat nav 1 km below Waterport Dam in open eel grass area
Marsh Creek ONT-138-1 (DEC Fish Survey 805940) 6-16-05												
-78.17746	43.35305	**940-1**	slow pool	0.9	1.4	1.5	sand gvl	some	some	some	**4**	first shallow flat area above cattails with little current flow
-78.17500	43.35316	**940-2**	slow pool	1.0	1.6	0.8	sand gvl	some	none	none	**2**	shallower area below riffle with many YOY fishes & moderate current flow
-78.17194	43.35287	**940-3**	pool riffle pool	1.2	1.9	2.0	gvl rock	some	some	some	**4**	shallow fast riffle & deeper pools abv & blw steep cliff on RB

Lake Alice ONT-138-P166 (DEC Fish Survey 805941) 6-8-05

-78.23631	43.32677	**941-1**	corner bay	5.6	9.0	3.7	sand silt	much	none	none	**2**	shallow far NE bay above dam along east shore to private camps
-78.30400	43.29843	**941-2**	backwater bay	9.6	15.4	1.1	sand gvl	some	some	none	**3**	inflow with moderate current soft bottom and scattered relic tree stumps
-78.26491	43.31365	**941-3**	open shoreline	7.4	11.8	4.0	silt rock	much	none	some	**2**	mid lake reach with good veg growth near shoreline near shoreline camps
-78.25460	43.32093	**941-4**	open shoreline	6.6	10.5	2.7	silt	much	none	some	**2**	extensive submergent veg along shoreline with docks
-78.23961	43.32593	**941-5**	open shoreline	5.7	9.1	5.8	sand gvl	much	none	some	**3**	veg growth and fish cover under floats near reservoir spillway outlet
-78.28110	43.30939	**941-6**	open shoreline	8.1	13.0	4.4	silt rock	much	none	some	**2**	first night run at Kenyonville BR with rip-rap and veg on both shores
-78.25069	43.32187	**941-7**	open shoreline	6.3	10.2	8.2	sand silt	much	none	some	**3**	second night run at deep Waterport BR most fishes crowded close to shore

Glenwood Lake ONT-138-P167 (DEC Fish Survey 805942) 7-21-05

-78.39157	43.23217	**942-1**	point into bay	19.4	31.2	3.1	gvl silt	some	some	some	**3**	firm silt bottom west from WWTP into southern most shallow backwater bay
-78.39290	43.23310	**942-2**	point into bay	19.3	31.1	6.1	gvl silt	some	some	some	**3**	second deeper shaded backwater bay farther N towards village boat ramp
-78.38524	43.22359	**942-3**	inlet channel	19.8	32.0	6.0	gvl rock	some	some	some	**3**	below Medina falls with flows over shallow rocky area with wooded shoreline
-78.38620	43.23125	**942-4**	point into bay	19.5	31.4	6.1	gvl silt	some	some	some	**3**	east shore of large point & shallow bay then N to hydro spillway barrier floats
-78.39080	43.23541	**942-5**	open shoreline	19.1	30.8	6.1	gvl silt	some	some	some	**3**	NE side of reservoir near hydro spillway with large barrier floats heading N
-78.39316	43.23786	**942-6**	open shoreline	19.0	30.6	6.1	gvl silt	some	some	some	**3**	far NE shore near Dam at lg floats around N end back to public boat ramp

X,Y = GPS lat/long coordinates in UTM NY 18 decimal.degrees (NAD 1983), SN = site no. listed in ascending order from mouth upstream, RM = river miles above stream mouth, RKM = river kilometers converted from RM, MD = max depth in meters, SS = dominant substrate composition, gvl = gravel, AV = aquatic veg, IW = instream wood, BC = bank cover, HR = habitat rating, RT = highway route, BR = bridge, RxR = railroad, CV = culvert, LB = left bank with current, RB = right bank with current, T or trib = tributary stream, lg = large, sm = small, pvt = private, LJ = logjam, SPDES = state pollution discharge elimination system, WWTP = wastewater treatment plant, nav = navigation, veg = vegetation, abv = above, blw = below, btm = bottom, YOY= young of year. See habitat table of descriptions and habitat rating information; NYSDEC fisheries database (on CD) for individual fish survey data.

Appendix 4. Bulk Fish Data for Tonawanda Creek Watershed- 2005

HYBRIDS EXCLUDED FROM REPORT

Gear: EFB = electro-fishing boat
BPS = backpack shocker
SNE = seine
Rep. = repetitions per site
L = total fish length in mm
Run = shocking runs or seine hauls

Location	Basin	Survey	Date	Site	Rep	Species	Catch	Min L	Max L	Gear	Run	Time
Erie Canal	west	905982	6/2/05	1	1	347	1	414		EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	365	1	400		EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	377	11	125	197	EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	381	115	42	65	EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	390	1	70		EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	400	7	58	95	EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	444	5	200	275	EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	591	4	129	192	EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	596	35	70	160	EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	598	11	71	175	EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	601	5	170	360	EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	617	1	127		EFB	one	900s
Erie Canal	west	905982	6/2/05	1	1	792	1	96		EFB	one	900s
Erie Canal	west	905982	6/2/05	2	1	365	1	450		EFB	two	900s
Erie Canal	west	905982	6/2/05	2	1	381	4	51	60	EFB	two	900s
Erie Canal	west	905982	6/2/05	2	1	400	1	58		EFB	two	900s
Erie Canal	west	905982	6/2/05	2	1	431	1	415		EFB	two	900s
Erie Canal	west	905982	6/2/05	2	1	591	16	84	221	EFB	two	900s
Erie Canal	west	905982	6/2/05	2	1	596	4	81	112	EFB	two	900s
Erie Canal	west	905982	6/2/05	2	1	598	2	132	149	EFB	two	900s
Erie Canal	west	905982	6/2/05	2	1	600	3	123	370	EFB	two	900s
Erie Canal	west	905982	6/2/05	2	1	601	7	301	396	EFB	two	900s
Erie Canal	west	905982	6/2/05	2	1	792	1	66		EFB	two	900s
Erie Canal	west	905982	6/2/05	3	1	381	45	51	85	EFB	three	900s
Erie Canal	west	905982	6/2/05	3	1	419	1	335		EFB	three	900s
Erie Canal	west	905982	6/2/05	3	1	428	1	445		EFB	three	900s
Erie Canal	west	905982	6/2/05	3	1	431	2	395	560	EFB	three	900s
Erie Canal	west	905982	6/2/05	3	1	433	2	380	710	EFB	three	900s
Erie Canal	west	905982	6/2/05	3	1	596	3	71	111	EFB	three	900s
Erie Canal	west	905982	6/2/05	3	1	600	10	312	392	EFB	three	900s
Erie Canal	west	905982	6/2/05	3	1	601	2	200	275	EFB	three	900s
Erie Canal	west	905982	6/27/05	4	1	347	4	357	520	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	365	8	420	670	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	377	24	70	123	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	394	1	79		EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	397	2	40	55	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	401	12	45	56	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	405	2	310	320	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	419	1	444		EFB	four	900s

Erie Canal	west	905982	6/27/05	4	1	431	3	360	400	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	432	1	360		EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	433	1	500		EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	444	10	250	280	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	595	3	56	80	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	596	31	60	120	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	598	23	51	163	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	601	12	167	360	EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	602	1	190		EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	603	1	225		EFB	four	900s
Erie Canal	west	905982	6/27/05	4	1	617	3	85	158	EFB	four	900s
Erie Canal	west	905982	6/27/05	5	1	347	3	410	470	EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	365	5	590	650	EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	381	1	85		EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	384	1	176		EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	394	12	55	90	EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	400	15	56	85	EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	431	1	300		EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	432	2	130	280	EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	444	1	270		EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	447	1	67		EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	591	8	78	175	EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	595	7	73	100	EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	596	4	68	139	EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	600	1	280		EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	601	3	210	380	EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	603	1	215		EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	613	1	40		EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	617	12	136	190	EFB	three	900s
Erie Canal	west	905982	6/27/05	5	1	792	1	95		EFB	three	900s
Erie Canal	west	905982	7/7/05	6	1	347	1	444		EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	365	6	470	625	EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	377	12	75	170	EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	381	2	52	61	EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	394	1	70		EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	400	8	45	60	EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	419	1	240		EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	431	2	210	400	EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	444	3	230	300	EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	591	4	54	175	EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	596	32	55	125	EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	598	11	50	180	EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	601	11	160	400	EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	602	1	180		EFB	one	900s
Erie Canal	west	905982	7/7/05	6	1	792	1	55		EFB	one	900s
Erie Canal	west	905982	7/7/05	7	1	361	1	605		EFB	two	900s
Erie Canal	west	905982	7/7/05	7	1	365	1	470		EFB	two	900s
Erie Canal	west	905982	7/7/05	7	1	377	2	70	122	EFB	two	900s
Erie Canal	west	905982	7/7/05	7	1	400	1	69		EFB	two	900s
Erie Canal	west	905982	7/7/05	7	1	444	6	240	310	EFB	two	900s
Erie Canal	west	905982	7/7/05	7	1	545	1	78		EFB	two	900s

Erie Canal	west	905982	7/7/05	7	1	596	52	45	142	EFB	two	900s
Erie Canal	west	905982	7/7/05	7	1	598	51	48	150	EFB	two	900s
Erie Canal	west	905982	7/7/05	7	1	601	3	200	270	EFB	two	900s
Erie Canal	west	905982	7/7/05	7	1	613	2	50	50	EFB	two	900s
Erie Canal	west	905982	7/7/05	7	1	617	3	95	162	EFB	two	900s
Erie Canal	west	905982	7/7/05	7	1	792	1	65		EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	340	1	86		EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	346	2	185	221	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	347	4	390	700	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	349	1	230		EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	365	10	400	850	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	377	62	90	163	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	394	10	50	60	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	400	95	40	70	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	405	6	310	382	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	419	3	270	425	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	431	11	380	390	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	432	1	410		EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	433	3	352	530	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	444	5	283	325	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	591	1	65		EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	596	25	80	130	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	598	10	91	143	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	600	1	32		EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	601	34	23	360	EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	603	1	244		EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	613	1	58		EFB	two	900s
Erie Canal	west	905982	7/8/05	8	1	792	1	60		EFB	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	381	3	55	58	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	384	12	45	125	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	394	2	50	65	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	397	10	50	62	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	400	16	50	75	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	401	1	48		BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	423	11	160	280	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	446	3	60	137	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	591	7	70	162	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	595	6	45	90	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	600	1	305		BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	606	3	55	75	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	607	2	65	70	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	613	2	50	50	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	618	7	90	126	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	1	792	8	55	65	BPS	one	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	381	1	50		BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	390	3	90	115	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	394	17	67	96	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	397	48	52	111	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	400	3	55	70	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	401	3	50	55	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	423	14	155	332	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	431	3	325	372	BPS	two	900s

Tonawanda Ck	lower	905983	6/7/05	1	2	432	4	170	280	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	444	2	119	185	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	446	3	73	135	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	591	8	82	178	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	595	1	76		BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	606	3	60	81	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	607	1	80		BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	613	2	38	40	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	618	9	90	120	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	1	2	792	32	52	82	BPS	two	900s
Tonawanda Ck	lower	905983	6/7/05	2	1	365	1	470		BPS	three	900s
Tonawanda Ck	lower	905983	6/7/05	2	1	400	6	53	80	BPS	three	900s
Tonawanda Ck	lower	905983	6/7/05	2	1	595	14	42	85	BPS	three	900s
Tonawanda Ck	lower	905983	6/7/05	2	1	596	2	75	106	BPS	three	900s
Tonawanda Ck	lower	905983	6/7/05	2	1	613	2	48	50	BPS	three	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	347	1	475		EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	365	2	450	620	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	381	6	60	69	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	384	3	50	52	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	394	43	62	100	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	397	70	54	65	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	400	13	75	96	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	401	5	48	56	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	406	1	47		EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	423	2	174	210	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	431	23	45	470	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	432	2	60	153	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	433	1	500		EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	445	1	410		EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	449	2	65	95	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	591	2	95	96	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	595	3	48	91	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	596	1	76		EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	600	1	179		EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	601	2	266	290	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	603	3	210	250	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	607	1	51		EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	613	2	44	48	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	618	5	33	97	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	3	1	626	3	312	463	EFB	one	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	340	1	65		EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	365	6	610	680	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	377	1	62		EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	381	10	60	66	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	394	42	70	94	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	397	20	54	64	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	400	24	36	48	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	401	3	45	50	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	428	1	270		EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	431	11	61	69	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	432	1	150		EFB	two	900s

Tonawanda Ck	lower	905983	6/23/05	4	1	433	1	440		EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	444	1	270		EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	591	6	82	135	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	595	34	45	84	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	596	15	68	126	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	598	1	153		EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	600	1	220		EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	601	1	300		EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	603	6	195	323	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	613	7	43	54	EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	617	1	150		EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	618	1	62		EFB	two	900s
Tonawanda Ck	lower	905983	6/23/05	4	1	622	2	55	80	EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	365	5	600	760	EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	394	3	76	84	EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	397	2	61	65	EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	400	6	50	71	EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	431	5	228	384	EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	449	2	64	100	EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	591	4	141	195	EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	598	2	150	155	EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	600	5	200	350	EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	601	3	280	361	EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	602	1	188		EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	606	1	70		EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	618	1	70		EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	5	1	700	1	275		EFB	one	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	340	1	57		EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	347	1	108		EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	365	26	480	600	EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	394	1	65		EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	397	2	57	60	EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	400	16	62	77	EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	432	1	155		EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	444	1	260		EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	595	2	45	50	EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	598	2	120	140	EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	601	3	270	365	EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	602	4	204	236	EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	613	1	54		EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	617	1	154		EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	622	1	70		EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	700	1	310		EFB	two	900s
Tonawanda Ck	lower	905983	6/27/05	6	1	792	2	61	65	EFB	two	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	361	1	340		EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	365	2	400	405	EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	381	1	70		EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	394	47	72	83	EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	397	24	46	60	EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	400	20	55	67	EFB	four	900s

Tonawanda Ck	lower	905983	7/8/05	7	1	428	1	444		EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	432	2	75	180	EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	449	1	78		EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	591	6	168	185	EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	595	2	75	95	EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	596	6	90	140	EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	598	1	180		EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	600	6	220	290	EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	601	1	300		EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	613	1	44		EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	618	1	72		EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	7	1	622	4	65	78	EFB	four	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	365	3	470	510	EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	381	2	55	60	EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	394	1	75		EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	397	9	50	58	EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	400	20	50	63	EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	401	2	36	50	EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	419	1	300		EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	432	1	280		EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	591	1	125		EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	596	4	70	102	EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	598	9	80	170	EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	600	3	50	372	EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	601	1	325		EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	622	1	60		EFB	five	900s
Tonawanda Ck	lower	905983	7/8/05	8	1	626	2	335	470	EFB	five	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	347	1	470		EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	365	5	420	660	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	394	4	75	100	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	397	3	45	59	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	400	9	60	110	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	428	5	280	380	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	431	10	93	400	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	433	1	530		EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	444	1	290		EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	591	2	97	196	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	595	7	56	71	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	596	7	63	125	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	600	2	50	400	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	601	1	330		EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	603	1	260		EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	613	6	45	56	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	9	1	618	5	50	110	EFB	one	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	340	1	55		EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	347	1	330		EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	397	9	45	63	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	400	12	20	50	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	419	4	35	52	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	428	2	240	315	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	431	1	395		EFB	two	900s

Tonawanda Ck	lower	905983	7/19/05	10	1	449	2	75	82	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	595	4	65	104	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	596	8	75	120	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	598	7	45	160	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	600	3	50	70	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	601	3	165	380	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	613	1	56		EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	10	1	622	1	42	45	EFB	two	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	340	1	60		EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	347	1	350		EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	365	7	480	540	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	394	6	45	74	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	397	4	50	55	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	400	5	50	82	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	431	6	96	400	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	432	1	230		EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	595	11	60	118	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	596	7	76	102	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	598	7	65	157	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	600	4	64	340	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	601	3	38	275	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	613	1	40		EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	11	1	622	2	45	70	EFB	three	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	340	1	65		EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	365	6	300	520	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	394	2	73	82	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	397	6	55	79	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	400	4	63	80	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	419	1	66		EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	591	7	43	178	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	595	10	80	107	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	596	4	85	120	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	598	14	105	160	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	600	9	60	284	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	601	15	25	273	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	613	5	45	54	EFB	four	900s
Tonawanda Ck	lower	905983	7/19/05	12	1	618	1	105		EFB	four	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	381	1	40		BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	394	2	65	65	BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	401	1	45		BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	423	2	75	180	BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	431	2	85	100	BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	432	1	317		BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	591	3	157	164	BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	595	7	76	102	BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	596	6	65	93	BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	600	1	65		BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	606	2	35	65	BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	607	1	54		BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	613	9	32	42	BPS	two	900s
Tonawanda Ck	lower	905983	7/28/05	13	1	622	9	45	85	BPS	two	900s

Tonawanda Ck	lower	905983	7/28/05	13	2	393	4	50	61	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	13	2	394	6	55	60	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	13	2	397	5	41	52	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	13	2	400	1	46		SNE	four	
Tonawanda Ck	lower	905983	7/28/05	13	2	596	3	60	90	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	13	2	600	2	50	65	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	13	2	613	26	41	63	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	13	2	622	13	45	51	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	14	1	346	1	140		BPS	three	900s
Tonawanda Ck	lower	905983	7/28/05	14	1	394	1	55		BPS	three	900s
Tonawanda Ck	lower	905983	7/28/05	14	1	428	1	350		BPS	three	900s
Tonawanda Ck	lower	905983	7/28/05	14	1	596	12	53	90	BPS	three	900s
Tonawanda Ck	lower	905983	7/28/05	14	1	600	2	58	60	BPS	three	900s
Tonawanda Ck	lower	905983	7/28/05	14	1	613	1	40		BPS	three	900s
Tonawanda Ck	lower	905983	7/28/05	14	1	622	10	32	40	BPS	three	900s
Tonawanda Ck	lower	905983	7/28/05	14	1	626	1	630		BPS	three	900s
Tonawanda Ck	lower	905983	7/28/05	14	2	384	4	38	83	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	14	2	394	1	55		SNE	four	
Tonawanda Ck	lower	905983	7/28/05	14	2	397	1	48		SNE	four	
Tonawanda Ck	lower	905983	7/28/05	14	2	400	3	52	78	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	14	2	423	3	50	55	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	14	2	431	5	52	82	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	14	2	596	12	46	75	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	14	2	600	3	49	61	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	14	2	613	6	32	60	SNE	four	
Tonawanda Ck	lower	905983	7/28/05	14	2	622	1	48		SNE	four	
Tonawanda Ck	lower	905983	7/29/05	15	1	384	1	30		BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	393	1	65		BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	394	14	49	73	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	400	17	21	68	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	428	1	560		BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	432	5	180	320	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	446	1	156		BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	449	1	85		BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	591	4	30	110	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	595	12	60	92	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	596	13	80	110	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	600	4	40	75	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	601	1	50		BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	606	2	45	70	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	613	9	22	50	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	618	3	64	140	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	1	622	13	43	75	BPS	one	900s
Tonawanda Ck	lower	905983	7/29/05	15	2	381	7	43	50	SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	384	7	36	41	SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	397	1	52		SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	400	15	42	76	SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	431	5	103	145	SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	432	1	140		SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	445	1	210		SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	449	1	25		SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	591	1	20		SNE	six	

Tonawanda Ck	lower	905983	7/29/05	15	2	600	3	52	64	SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	613	6	30	51	SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	618	5	36	100	SNE	six	
Tonawanda Ck	lower	905983	7/29/05	15	2	622	4	43	48	SNE	six	
Tonawanda Ck	lower	905983	8/2/05	16	1	365	1	530		BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	381	1	33		BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	394	2	50	80	BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	400	5	30	65	BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	401	1	45		BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	419	1	58		BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	431	1	41		BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	449	1	90		BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	591	2	30	142	BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	595	2	58	100	BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	596	2	48	55	BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	598	1	88		BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	600	2	43	49	BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	613	2	30	52	BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	622	13	44	65	BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	1	626	1	410		BPS	one	900s
Tonawanda Ck	lower	905983	8/2/05	16	2	394	1	60		SNE	five	
Tonawanda Ck	lower	905983	8/2/05	16	2	397	4	35	55	SNE	five	
Tonawanda Ck	lower	905983	8/2/05	16	2	400	8	10	66	SNE	five	
Tonawanda Ck	lower	905983	8/2/05	16	2	401	1	25		SNE	five	
Tonawanda Ck	lower	905983	8/2/05	16	2	419	4	40	60	SNE	five	
Tonawanda Ck	lower	905983	8/2/05	16	2	545	1	50		SNE	five	
Tonawanda Ck	lower	905983	8/2/05	16	2	596	4	45	85	SNE	five	
Tonawanda Ck	lower	905983	8/2/05	16	2	600	1	50		SNE	five	
Tonawanda Ck	lower	905983	8/2/05	16	2	613	6	30	50	SNE	five	
Tonawanda Ck	lower	905983	8/2/05	16	2	622	1	42		SNE	five	
Tonawanda Ck	lower	905983	8/2/05	17	1	365	2	510	600	BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	381	1	30		BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	394	7	45	66	BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	400	1	58		BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	419	1	47		BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	428	1	290		BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	595	4	59	74	BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	596	1	48		BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	600	2	40	50	BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	601	1	40		BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	613	8	30	47	BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	617	1	122		BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	1	622	5	60	62	BPS	two	900s
Tonawanda Ck	lower	905983	8/2/05	17	2	394	2	46	50	SNE	six	
Tonawanda Ck	lower	905983	8/2/05	17	2	400	12	25	58	SNE	six	
Tonawanda Ck	lower	905983	8/2/05	17	2	419	1	50		SNE	six	
Tonawanda Ck	lower	905983	8/2/05	17	2	428	1	235		SNE	six	
Tonawanda Ck	lower	905983	8/2/05	17	2	431	3	48	50	SNE	six	
Tonawanda Ck	lower	905983	8/2/05	17	2	449	4	35	55	SNE	six	
Tonawanda Ck	lower	905983	8/2/05	17	2	591	1	27		SNE	six	
Tonawanda Ck	lower	905983	8/2/05	17	2	596	1	46		SNE	six	
Tonawanda Ck	lower	905983	8/2/05	17	2	600	1	40		SNE	six	

Tonawanda Ck	lower	905983	8/2/05	17	2	601	4	35	40	SNE	six	
Tonawanda Ck	lower	905983	8/2/05	17	2	613	4	30	50	SNE	six	
Tonawanda Ck	lower	905983	8/2/05	17	2	622	1	30		SNE	six	
Tonawanda Ck	lower	905983	8/3/05	18	1	381	2	45	55	BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	394	14	59	66	BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	397	2	49	52	BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	419	1	56		BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	431	3	45	280	BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	444	1	280		BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	591	2	142	161	BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	595	3	72	110	BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	596	13	50	109	BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	600	3	55	74	BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	609	1	39		BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	1	618	1	120		BPS	one	900s
Tonawanda Ck	lower	905983	8/3/05	18	2	381	3	25	50	SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	394	1	53		SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	400	50	16	16	SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	419	3	45	70	SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	423	1	55		SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	431	2	88	170	SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	596	4	50	65	SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	600	1	52		SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	601	1	40		SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	606	1	30		SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	613	25	35	45	SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	18	2	622	5	45	45	SNE	seven	
Tonawanda Ck	lower	905983	8/3/05	19	1	365	2	400	510	BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	394	22	60	78	BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	401	1	50		BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	419	1	55		BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	423	2	185	190	BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	431	1	285		BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	446	1	210		BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	591	2	55	145	BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	600	1	68		BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	613	1	37		BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	618	1	105		BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	1	622	2	40	70	BPS	two	900s
Tonawanda Ck	lower	905983	8/3/05	19	2	381	2	48	60	SNE	four	
Tonawanda Ck	lower	905983	8/3/05	19	2	384	1	82		SNE	four	
Tonawanda Ck	lower	905983	8/3/05	19	2	394	34	45	78	SNE	four	
Tonawanda Ck	lower	905983	8/3/05	19	2	400	1	70		SNE	four	
Tonawanda Ck	lower	905983	8/3/05	19	2	431	5	90	310	SNE	four	
Tonawanda Ck	lower	905983	8/3/05	19	2	596	4	57	70	SNE	four	
Tonawanda Ck	lower	905983	8/3/05	19	2	600	3	50	60	SNE	four	
Tonawanda Ck	lower	905983	8/3/05	19	2	618	1	105		SNE	four	
Tonawanda Ck	lower	905983	8/3/05	20	1	346	1	250		BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	365	1	500		BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	381	1	58		BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	394	12	57	64	BPS	three	900s

Tonawanda Ck	lower	905983	8/3/05	20	1	400	1	68		BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	423	1	54		BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	428	1	300		BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	431	1	120		BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	595	2	82	92	BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	596	7	29	85	BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	600	4	66		BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	613	1	50		BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	1	622	3	60	65	BPS	three	900s
Tonawanda Ck	lower	905983	8/3/05	20	2	381	3	25	60	SNE	six	
Tonawanda Ck	lower	905983	8/3/05	20	2	394	14	62	75	SNE	six	
Tonawanda Ck	lower	905983	8/3/05	20	2	397	2	40	55	SNE	six	
Tonawanda Ck	lower	905983	8/3/05	20	2	400	1	50		SNE	six	
Tonawanda Ck	lower	905983	8/3/05	20	2	431	1	40		SNE	six	
Tonawanda Ck	lower	905983	8/3/05	20	2	446	1	105		SNE	six	
Tonawanda Ck	lower	905983	8/3/05	20	2	449	2	10	30	SNE	six	
Tonawanda Ck	lower	905983	8/3/05	20	2	601	2	50	61	SNE	six	
Tonawanda Ck	lower	905983	8/3/05	20	2	606	1	35		SNE	six	
Tonawanda Ck	lower	905983	8/3/05	20	2	613	7	30	42	SNE	six	
Tonawanda Ck	lower	905983	8/3/05	20	2	622	12	40	70	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	1	340	1	64		BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	377	2	50	72	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	394	3	50	62	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	400	39	20	75	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	419	5	40	335	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	428	2	285	310	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	431	3	39	285	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	591	2	90	126	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	595	33	44	85	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	596	8	45	103	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	600	7	50	280	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	609	1	25		BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	613	20	20	48	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	618	3	50	60	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	1	622	9	32	65	BPS	one	900s
Tonawanda Ck	lower	905983	8/4/05	21	2	377	2	35	55	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	381	8	35	43	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	384	2	30	45	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	394	12	57	60	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	397	6	35	50	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	400	50	20	75	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	419	70	30	65	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	431	18	50	120	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	600	5	45	90	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	601	1	40		SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	613	40	20	50	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	618	1	55		SNE	six	
Tonawanda Ck	lower	905983	8/4/05	21	2	622	19	31	55	SNE	six	
Tonawanda Ck	lower	905983	8/4/05	22	1	384	1	30		BPS	two	900s
Tonawanda Ck	lower	905983	8/4/05	22	1	400	7	32	60	BPS	two	900s
Tonawanda Ck	lower	905983	8/4/05	22	1	419	2	50	110	BPS	two	900s
Tonawanda Ck	lower	905983	8/4/05	22	1	591	1	180		BPS	two	900s

Tonawanda Ck	lower	905983	8/4/05	22	1	595	27	48	95	BPS	two	900s
Tonawanda Ck	lower	905983	8/4/05	22	1	596	19	55	120	BPS	two	900s
Tonawanda Ck	lower	905983	8/4/05	22	1	600	12	52	260	BPS	two	900s
Tonawanda Ck	lower	905983	8/4/05	22	1	601	4	48	63	BPS	two	900s
Tonawanda Ck	lower	905983	8/4/05	22	1	613	12	42	48	BPS	two	900s
Tonawanda Ck	lower	905983	8/4/05	22	1	622	6	43	55	BPS	two	900s
Tonawanda Ck	lower	905983	8/4/05	22	2	346	1	135		SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	22	2	394	5	45	70	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	22	2	397	3	45	50	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	22	2	400	46	30	50	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	22	2	419	6	40	61	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	22	2	545	1	55		SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	22	2	595	3	65	105	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	22	2	596	2	70	105	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	22	2	600	3	45	60	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	22	2	613	6	25	40	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	22	2	622	5	40	55	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	1	365	1	410		BPS	three	900s
Tonawanda Ck	lower	905983	8/4/05	23	1	444	1	186		BPS	three	900s
Tonawanda Ck	lower	905983	8/4/05	23	1	595	10	57	85	BPS	three	900s
Tonawanda Ck	lower	905983	8/4/05	23	1	596	2	73	87	BPS	three	900s
Tonawanda Ck	lower	905983	8/4/05	23	1	598	1	125		BPS	three	900s
Tonawanda Ck	lower	905983	8/4/05	23	1	600	2	50	54	BPS	three	900s
Tonawanda Ck	lower	905983	8/4/05	23	1	613	7	15	40	BPS	three	900s
Tonawanda Ck	lower	905983	8/4/05	23	1	622	5	50	61	BPS	three	900s
Tonawanda Ck	lower	905983	8/4/05	23	2	381	1	30		SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	384	1	70		SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	394	1	62		SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	400	63	10	64	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	431	4	40	82	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	591	1	133		SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	595	1	68		SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	600	4	42	62	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	601	3	46	110	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	613	43	20	45	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	618	1	44		SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	622	7	40	44	SNE	seven	
Tonawanda Ck	lower	905983	8/4/05	23	2	974	10	15	15	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	24	1	340	1	58		BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	365	1	600		BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	381	1	30		BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	431	2	120	260	BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	449	1	90		BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	591	11	42	130	BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	595	9	33	145	BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	600	1	65		BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	601	1	49		BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	613	10	40	63	BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	622	17	46	70	BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	1	626	2	490	680	BPS	one	900s
Tonawanda Ck	lower	905983	8/16/05	24	2	346	1	200		SNE	eight	
Tonawanda Ck	lower	905983	8/16/05	24	2	394	5	50	60	SNE	eight	

Tonawanda Ck	lower	905983	8/16/05	24	2	400	91	20	30	SNE	eight	
Tonawanda Ck	lower	905983	8/16/05	24	2	449	1	30		SNE	eight	
Tonawanda Ck	lower	905983	8/16/05	24	2	591	12	15	40	SNE	eight	
Tonawanda Ck	lower	905983	8/16/05	24	2	595	12	10	20	SNE	eight	
Tonawanda Ck	lower	905983	8/16/05	24	2	600	1	60		SNE	eight	
Tonawanda Ck	lower	905983	8/16/05	24	2	613	110	15	50	SNE	eight	
Tonawanda Ck	lower	905983	8/16/05	24	2	617	1	60		SNE	eight	
Tonawanda Ck	lower	905983	8/16/05	24	2	622	30	25	50	SNE	eight	
Tonawanda Ck	lower	905983	8/16/05	25	1	340	2	50	68	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	384	1	28		BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	400	22	25	56	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	545	2	60	60	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	591	2	42	72	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	595	22	26	105	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	596	5	80	105	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	598	2	78	95	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	601	3	50	90	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	613	12	20	65	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	618	4	50	64	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	622	3	47	74	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	792	2	35	76	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	1	974	7	10	12	BPS	two	900s
Tonawanda Ck	lower	905983	8/16/05	25	2	394	4	52	85	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	397	2	40	50	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	400	80	10	80	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	419	7	50	50	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	445	6	35	55	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	449	1	75		SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	591	2	40	45	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	595	3	15	95	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	596	3	100	130	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	600	1	70		SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	601	2	55	60	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	613	60	32	50	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	622	17	28	42	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	792	2	50	70	SNE	seven	
Tonawanda Ck	lower	905983	8/16/05	25	2	974	110	10	15	SNE	seven	
Tonawanda Ck	lower	905983	8/17/05	2	1	394	2	50	60	BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	400	34	16	50	BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	401	1	55		BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	446	1	90		BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	591	1	40		BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	595	24	20	110	BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	596	1	120		BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	600	7	40	84	BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	601	10	40	80	BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	613	40	14	50	BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	618	1	50		BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	622	14	35	70	BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	1	974	1	50		BPS	one	900s
Tonawanda Ck	lower	905983	8/17/05	2	2	400	58	10	58	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	419	1	58		SNE	five	

Tonawanda Ck	lower	905983	8/17/05	2	2	431	1	55		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	445	2	40	51	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	449	2	30	31	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	595	73	15	20	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	596	1	110		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	600	1	80		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	601	1	65		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	613	118	25	60	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	618	1	52		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	622	46	35	38	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	2	2	792	1	32		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	1	381	2	50	55	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	394	20	22	80	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	397	7	40	64	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	400	26	70	72	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	419	1	68		BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	423	7	210	300	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	431	2	135	150	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	432	3	130	131	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	445	1	60		BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	446	1	135		BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	591	8	45	170	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	595	22	28	105	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	600	2	80	100	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	601	1	55		BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	606	20	50	72	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	607	1	60		BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	613	76	18	56	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	618	11	65	110	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	622	40	68	70	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	626	1	155		BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	1	792	4	52	86	BPS	two	900s
Tonawanda Ck	lower	905983	8/17/05	26	2	381	24	34	55	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	384	57	35	108	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	394	32	20	75	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	397	22	24	60	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	400	37	28	70	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	401	1	45		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	419	1	75		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	423	1	260		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	445	1	57		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	591	3	110	155	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	595	12	25	30	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	600	5	70	117	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	601	1	70		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	613	14	32	50	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	622	7	34	50	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	792	1	88		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	26	2	974	10	12	12	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	1	397	1	54		BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	1	400	7	40	74	BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	1	444	1	54		BPS	three	900s

Tonawanda Ck	lower	905983	8/17/05	27	1	446	1	111		BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	1	591	11	48	185	BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	1	595	15	60	132	BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	1	600	11	76	101	BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	1	601	1	70		BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	1	606	1	43		BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	1	618	16	60	68	BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	1	622	8	44	51	BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	1	792	2	90	101	BPS	three	900s
Tonawanda Ck	lower	905983	8/17/05	27	2	381	5	45	52	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	384	23	40	120	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	394	25	38	60	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	397	4	42	60	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	400	26	25	80	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	401	1	55		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	419	1	80		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	445	1	45		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	595	4	25	103	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	600	5	70	103	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	606	1	45		SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	613	7	48	52	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	618	7	70	105	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	622	4	50	61	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	792	3	60	102	SNE	five	
Tonawanda Ck	lower	905983	8/17/05	27	2	974	2	10	10	SNE	five	
Tonawanda Ck	upper	905983	9/1/05	28	1	328	10	64	365	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	362	6	45	90	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	384	1	68		BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	397	2	58	64	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	401	1	65		BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	404	79	35	56	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	403	40	45	77	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	406	10	41	115	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	419	8	56	190	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	423	27	35	56	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	601	7	75	105	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	609	19	38	66	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	1	865	45	27	84	BPS	one	900s
Tonawanda Ck	upper	905983	9/1/05	28	2	362	4	43	50	SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	384	9	35	120	SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	397	19	33	67	SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	400	1	80		SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	404	39	32	67	SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	403	2	42	75	SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	406	5	48	76	SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	419	34	32	160	SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	423	4	62	67	SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	601	1	104		SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	609	4	30	50	SNE	seven	
Tonawanda Ck	upper	905983	9/1/05	28	2	865	6	32	75	SNE	seven	
Tonawanda Ck	upper	905983	9/17/05	29	1	360	42	60	104	BPS	two	900s

Tonawanda Ck	upper	905983	9/17/05	29	1	384	6	32	122	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	400	21	62	85	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	404	6	44	65	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	403	7	40	60	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	406	8	60	175	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	407	1	57		BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	419	5	200	320	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	423	17	43	320	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	591	3	36	44	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	595	4	32	38	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	600	3	82	95	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	609	42	44	64	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	1	613	15	42	55	BPS	two	900s
Tonawanda Ck	upper	905983	9/17/05	29	2	360	2	55	58	SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	384	16	45	430	SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	400	9	38	63	SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	404	2	40	43	SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	403	1	43		SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	406	3	52	160	SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	419	1	86		SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	423	3	100	180	SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	591	5	30	40	SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	600	8	60	88	SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	609	1	42		SNE	five	
Tonawanda Ck	upper	905983	9/17/05	29	2	613	1	50		SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	1	328	1	220		BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	360	6	55	100	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	407	3	54	63	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	384	5	40	74	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	397	17	58	60	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	400	72	35	84	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	401	3	56	65	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	404	16	32	70	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	403	2	36	70	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	406	1	65		BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	419	5	81	300	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	423	4	70	180	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	444	2	60	84	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	595	8	60	64	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	596	1	110		BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	600	12	65	98	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	601	2	58	122	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	609	7	30	61	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	613	5	48	64	BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	1	865	1	85		BPS	two	900s
Tonawanda Ck	upper	905983	9/18/05	30	2	360	4	60	64	SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	384	3	58	105	SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	397	150	35	68	SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	400	10	41	70	SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	401	1	57		SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	404	28	50	72	SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	403	1	67		SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	406	1	63		SNE	five	

Tonawanda Ck	upper	905983	9/18/05	30	2	407	4	45	55	SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	419	3	133	188	SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	423	3	115	132	SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	600	14	62	80	SNE	five	
Tonawanda Ck	upper	905983	9/18/05	30	2	613	9	33	58	SNE	five	
Tonawanda Ck	upper	905983	9/22/05	31	1	328	24	72	378	BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	360	1	115		BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	362	1	56		BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	384	16	81	125	BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	404	1100	32	75	BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	403	24	42	90	BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	406	27	50	180	BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	419	59	65	300	BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	423	22	60	245	BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	598	2	110	115	BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	600	1	91		BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	609	29	40	68	BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	1	865	25	31	98	BPS	one	900s
Tonawanda Ck	upper	905983	9/22/05	31	2	328	1	60		SNE	four	
Tonawanda Ck	upper	905983	9/22/05	31	2	362	4	56	100	SNE	four	
Tonawanda Ck	upper	905983	9/22/05	31	2	384	27	42	109	SNE	four	
Tonawanda Ck	upper	905983	9/22/05	31	2	397	3	32	68	SNE	four	
Tonawanda Ck	upper	905983	9/22/05	31	2	404	61	30	78	SNE	four	
Tonawanda Ck	upper	905983	9/22/05	31	2	406	16	48	90	SNE	four	
Tonawanda Ck	upper	905983	9/22/05	31	2	419	4	60	62	SNE	four	
Tonawanda Ck	upper	905983	9/22/05	31	2	423	1	65		SNE	four	
Tonawanda Ck	upper	905983	9/22/05	31	2	601	1	82		SNE	four	
Tonawanda Ck	upper	905983	9/23/05	32	1	360	95	55	105	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	384	8	62	130	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	400	3	60	70	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	404	12	65	70	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	406	10	58	188	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	407	1	68		BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	419	16	70	370	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	423	37	72	330	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	591	4	40	71	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	600	14	62	100	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	601	3	90	133	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	609	15	44	66	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	1	613	47	38	60	BPS	one	900s
Tonawanda Ck	upper	905983	9/23/05	32	2	360	15	52	70	SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	384	11	72	131	SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	397	29	48	70	SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	400	3	56	80	SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	401	1	60		SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	404	1	69		SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	406	4	58	107	SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	407	1	61		SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	419	3	68	195	SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	423	19	70	110	SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	591	1	149		SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	600	13	61	95	SNE	five	

Tonawanda Ck	upper	905983	9/23/05	32	2	601	1	63		SNE	five	
Tonawanda Ck	upper	905983	9/23/05	32	2	613	21	40	64	SNE	five	
Tonawanda Ck	lower	805985	7/28/05	1	1	365	1	610		BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	376	22	38	180	BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	384	2	40	132	BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	393	1	60		BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	400	2	25	62	BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	423	8	50	305	BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	446	1	168		BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	591	12	131	182	BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	595	5	75	115	BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	596	22	94	122	BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	600	13	83	251	BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	613	2	35	50	BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	1	974	2	110	125	BPS	one	900s
Tonawanda Ck	lower	805985	7/28/05	1	2	376	2	58	110	SNE	four	
Tonawanda Ck	lower	805985	7/28/05	1	2	384	1	130		SNE	four	
Tonawanda Ck	lower	805985	7/28/05	1	2	393	1	60		SNE	four	
Tonawanda Ck	lower	805985	7/28/05	1	2	596	7	110	120	SNE	four	
Tonawanda Ck	lower	805985	8/18/05	2	1	376	110	40	205	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	384	1	113		BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	393	10	64	75	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	397	8	52	60	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	400	7	51	80	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	423	3	82	165	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	444	1	200		BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	446	12	65	165	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	591	22	150	230	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	595	2	85	92	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	600	5	60	205	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	606	31	50	84	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	1	607	9	50	55	BPS	one	900s
Tonawanda Ck	lower	805985	8/18/05	2	2	376	34	50	82	SNE	seven	
Tonawanda Ck	lower	805985	8/18/05	2	2	384	6	40	65	SNE	seven	
Tonawanda Ck	lower	805985	8/18/05	2	2	393	38	35	75	SNE	seven	
Tonawanda Ck	lower	805985	8/18/05	2	2	397	32	52	60	SNE	seven	
Tonawanda Ck	lower	805985	8/18/05	2	2	400	9	55	60	SNE	seven	
Tonawanda Ck	lower	805985	8/18/05	2	2	423	5	78	90	SNE	seven	
Tonawanda Ck	lower	805985	8/18/05	2	2	446	2	170	170	SNE	seven	
Tonawanda Ck	lower	805985	8/18/05	2	2	600	2	60	60	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	1	360	1	70		BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	365	3	350	630	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	375	1	70		BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	384	10	50	118	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	393	15	63	72	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	397	7	50	55	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	400	26	25	80	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	419	3	105	130	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	423	9	66	320	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	431	1	290		BPS	one	900s

Tonawanda Ck	lower	805985	9/9/06	3	1	446	3	55	156	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	591	18	48	180	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	595	1	35		BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	596	2	92	106	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	600	9	80	110	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	606	12	51	75	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	607	9	36	55	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	613	12	42	67	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	622	16	50	75	BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	1	974	1	120		BPS	one	900s
Tonawanda Ck	lower	805985	9/9/06	3	2	347	2	560	680	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	375	2	58	60	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	376	3	44	170	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	384	74	46	125	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	393	73	15	82	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	394	1	66		SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	397	95	21	68	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	400	31	25	78	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	401	2	65	74	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	419	2	92	118	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	423	4	80	160	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	446	1	200		SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	591	2	112	130	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	595	1	35		SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	600	2	61	74	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	606	4	48	60	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	613	23	18	62	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	3	2	974	1	28		SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	1	360	2	82	108	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	375	7	55	120	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	376	1	52		BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	384	18	52	140	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	393	20	50	73	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	397	23	50	56	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	400	45	45	80	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	419	3	88	110	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	423	19	70	260	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	446	2	75	150	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	591	22	27	185	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	595	4	84	133	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	600	7	75	410	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	606	36	52	80	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	607	21	40	60	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	613	56	42	65	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	1	622	15	31	76	BPS	two	900s
Tonawanda Ck	lower	805985	9/9/06	4	2	347	1	700		SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	375	1	85		SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	384	11	52	75	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	393	57	29	70	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	394	4	30	66	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	397	22	50	62	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	400	29	42	82	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	401	1	62		SNE	seven	

Tonawanda Ck	lower	805985	9/9/06	4	2	419	9	80	120	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	423	4	80	320	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	431	1	133		SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	600	4	71	300	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	613	8	39	62	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	622	4	55	85	SNE	seven	
Tonawanda Ck	lower	805985	9/9/06	4	2	961	1	25		SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	5	1	365	3	500	600	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	384	5	102	123	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	393	106	30	66	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	394	1	94		BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	397	1	62		BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	400	2	60	80	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	419	2	86	98	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	423	5	95	145	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	431	11	170	420	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	444	1	203		BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	591	1	94		BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	595	1	94		BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	596	3	103	124	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	600	4	60	113	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	606	8	50	77	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	607	8	39	56	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	613	16	41	68	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	618	1	68		BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	622	16	67	85	BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	1	626	1	425		BPS	one	900s
Tonawanda Ck	lower	805985	9/10/05	5	2	384	23	35	112	SNE	six	
Tonawanda Ck	lower	805985	9/10/05	5	2	393	78	36	70	SNE	six	
Tonawanda Ck	lower	805985	9/10/05	5	2	394	18	38	75	SNE	six	
Tonawanda Ck	lower	805985	9/10/05	5	2	397	3	55	63	SNE	six	
Tonawanda Ck	lower	805985	9/10/05	5	2	400	4	80	88	SNE	six	
Tonawanda Ck	lower	805985	9/10/05	5	2	419	1	100		SNE	six	
Tonawanda Ck	lower	805985	9/10/05	5	2	423	1	90		SNE	six	
Tonawanda Ck	lower	805985	9/10/05	5	2	591	1	32		SNE	six	
Tonawanda Ck	lower	805985	9/10/05	5	2	600	4	60	80	SNE	six	
Tonawanda Ck	lower	805985	9/10/05	5	2	613	18	34	45	SNE	six	
Tonawanda Ck	lower	805985	9/10/05	6	1	365	6	500	610	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	384	6	55	89	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	393	13	61	76	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	397	2	57	68	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	400	4	49	73	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	419	7	85	103	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	423	5	74	80	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	431	1	315		BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	444	1	250		BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	446	1	196		BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	591	30	45	175	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	595	6	86	128	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	600	15	88	100	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	606	9	35	87	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	607	8	43	55	BPS	two	900s

Tonawanda Ck	lower	805985	9/10/05	6	1	613	41	42	65	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	618	1	131		BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	622	44	60	83	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	1	961	500	15	15	BPS	two	900s
Tonawanda Ck	lower	805985	9/10/05	6	2	384	3	32	87	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	393	50	41	65	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	394	2	49	87	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	397	1	50		SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	419	12	82	406	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	423	4	100	110	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	431	1	191		SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	531	1	42		SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	591	13	32	40	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	595	1	140		SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	596	2	110	110	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	600	6	80	85	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	606	3	48	53	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	613	16	47	67	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	622	1	64		SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	961	10	26	26	SNE	seven	
Tonawanda Ck	lower	805985	9/10/05	6	2	974	1	27		SNE	seven	
Tonawanda Ck	mid	805985	7/27/05	7	1	360	5	45	155	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	365	2	500	500	DO	one	
Tonawanda Ck	mid	805985	7/27/05	7	1	375	3	80	98	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	384	1	70	88	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	400	2	65	75	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	401	1000	44	67	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	419	100	40	155	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	591	22	50	155	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	595	32	67	112	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	596	6	76	145	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	598	2	110	175	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	600	7	32	75	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	601	2	50	85	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	613	300	28	52	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	1	618	7	105	130	BPS	one	900s
Tonawanda Ck	mid	805985	7/27/05	7	2	384	4	27	100	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	7	2	400	4	41	55	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	7	2	401	4	45	100	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	7	2	419	50	35	60	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	7	2	600	12	35	60	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	7	2	613	1	45		SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	1	347	1	160		BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	360	3	48	50	BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	384	17	70	115	BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	400	300	25	75	BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	401	55	50	60	BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	419	13	55	260	BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	423	8	135	180	BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	591	6	80	95	BPS	two	900s

Tonawanda Ck	mid	805985	7/27/05	8	1	595	12	55	137	BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	596	1	112		BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	600	14	25	55	BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	613	40	30	60	BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	1	618	22	60	120	BPS	two	900s
Tonawanda Ck	mid	805985	7/27/05	8	2	375	2	80	85	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	377	3	40	78	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	384	100	48	96	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	397	1	52		SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	400	10	70	74	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	401	1000	46	72	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	406	2	75	115	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	419	10	52	34	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	423	1	88		SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	591	4	30	38	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	600	12	36	160	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	601	1	58		SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	613	2	54	55	SNE	four	
Tonawanda Ck	mid	805985	7/27/05	8	2	618	1	60		SNE	four	
Tonawanda Ck	mid	805985	8/5/05	9	1	347	1	215		BPS	one	900s
Tonawanda Ck	mid	805985	8/5/05	9	1	347	1	700		BPS	one	900s
Tonawanda Ck	mid	805985	8/5/05	9	1	375	1000	80	168	BPS	one	900s
Tonawanda Ck	mid	805985	8/5/05	9	1	400	125	20	30	BPS	one	900s
Tonawanda Ck	mid	805985	8/5/05	9	1	423	24	225	332	BPS	one	900s
Tonawanda Ck	mid	805985	8/5/05	9	1	591	400	119	202	BPS	one	900s
Tonawanda Ck	mid	805985	8/5/05	9	1	595	1	85		BPS	one	900s
Tonawanda Ck	mid	805985	8/5/05	9	1	601	300	75	268	BPS	one	900s
Tonawanda Ck	mid	805985	8/5/05	9	1	613	28	32	59	BPS	one	900s
Tonawanda Ck	mid	805985	8/5/05	9	2	375	50	80	158	SNE	six	
Tonawanda Ck	mid	805985	8/5/05	9	2	384	26	40	50	SNE	six	
Tonawanda Ck	mid	805985	8/5/05	9	2	400	22	18	68	SNE	six	
Tonawanda Ck	mid	805985	8/5/05	9	2	419	1	400		SNE	six	
Tonawanda Ck	mid	805985	8/5/05	9	2	423	1	60		SNE	six	
Tonawanda Ck	mid	805985	8/5/05	9	2	591	9	12	120	SNE	six	
Tonawanda Ck	mid	805985	8/5/05	9	2	600	5	78	82	SNE	six	
Tonawanda Ck	mid	805985	8/5/05	9	2	613	7	38	47	SNE	six	
Tonawanda Ck	mid	805985	8/5/05	9	2	618	2	58	60	SNE	six	
Tonawanda Ck	mid	805985	8/5/05	9	2	974	12	20	25	SNE	six	
Tonawanda Ck	mid	805985	8/23/05	10	1	376	135	62	230	BPS	one	900s
Tonawanda Ck	mid	805985	8/23/05	10	1	400	5	43	50	BPS	one	900s
Tonawanda Ck	mid	805985	8/23/05	10	1	419	4	70	85	BPS	one	900s
Tonawanda Ck	mid	805985	8/23/05	10	1	591	14	65	70	BPS	one	900s
Tonawanda Ck	mid	805985	8/23/05	10	1	596	2	115	120	BPS	one	900s
Tonawanda Ck	mid	805985	8/23/05	10	1	600	35	60	210	BPS	one	900s
Tonawanda Ck	mid	805985	8/23/05	10	1	613	20	40	50	BPS	one	900s
Tonawanda Ck	mid	805985	8/23/05	10	2	376	40	20	160	SNE	four	
Tonawanda Ck	mid	805985	8/23/05	10	2	384	27	40	60	SNE	four	
Tonawanda Ck	mid	805985	8/23/05	10	2	400	1	48		SNE	four	
Tonawanda Ck	mid	805985	8/23/05	10	2	591	1	39		SNE	four	
Tonawanda Ck	mid	805985	8/23/05	10	2	596	2	24	27	SNE	four	
Tonawanda Ck	mid	805985	8/23/05	10	2	600	1	70		SNE	four	
Tonawanda Ck	mid	805985	8/23/05	10	2	618	1	58		SNE	four	

Tonawanda Ck	mid	805985	8/23/05	11	1	347	1	200		BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	1	365	15	55	700	BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	1	375	41	50	50	BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	1	400	37	10	75	BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	1	419	8	120	200	BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	1	423	53	65	200	BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	1	591	8	96	140	BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	1	596	7	30	126	BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	1	600	11	85	180	BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	1	613	60	26	37	BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	1	618	6	125	140	BPS	two	900s
Tonawanda Ck	mid	805985	8/23/05	11	2	360	1	59		SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	365	2	620	620	SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	375	61	15	60	SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	384	5	45	55	SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	400	40	30	62	SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	423	3	60	180	SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	591	4	30	50	SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	596	5	30	115	SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	600	1	80		SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	601	3	300	355	SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	613	32	30	45	SNE	six	
Tonawanda Ck	mid	805985	8/23/05	11	2	974	4	20	22	SNE	six	
Tonawanda Ck	mid	805985	8/25/05	12	1	347	1	640		BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	365	70	460	700	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	375	1	42		BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	384	200	35	55	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	400	50	32	40	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	419	4	67	460	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	423	3	300	340	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	591	42	52	195	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	595	5	41	80	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	596	36	35	110	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	601	25	100	310	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	613	40	25	55	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	618	51	85	135	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	1	974	60	15	30	BPS	one	900s
Tonawanda Ck	mid	805985	8/25/05	12	2	375	1	44		SNE	seven	
Tonawanda Ck	mid	805985	8/25/05	12	2	377	1	82		SNE	seven	
Tonawanda Ck	mid	805985	8/25/05	12	2	384	175	20	73	SNE	seven	
Tonawanda Ck	mid	805985	8/25/05	12	2	400	225	16	66	SNE	seven	
Tonawanda Ck	mid	805985	8/25/05	12	2	596	1	30		SNE	seven	
Tonawanda Ck	mid	805985	8/25/05	12	2	613	20	40	45	SNE	seven	
Tonawanda Ck	mid	805985	8/25/05	12	2	618	17	72	110	SNE	seven	
Tonawanda Ck	mid	805985	8/25/05	12	2	974	24	24	27	SNE	seven	
Tonawanda Ck	mid	805985	8/25/05	13	1	347	3	450	700	BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	365	1	80		BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	375	2	50	55	BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	376	9	95	140	BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	384	200	50	60	BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	400	140	10	80	BPS	two	900s

Tonawanda Ck	mid	805985	8/25/05	13	1	419	4	65	300	BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	423	60	70	210	BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	591	12	40	160	BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	596	1	30		BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	600	14	80	250	BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	613	42	24	60	BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	1	618	43	75	155	BPS	two	900s
Tonawanda Ck	mid	805985	8/25/05	13	2	376	3	120	140	SNE	eight	
Tonawanda Ck	mid	805985	8/25/05	13	2	384	225	45	63	SNE	eight	
Tonawanda Ck	mid	805985	8/25/05	13	2	400	18	13	70	SNE	eight	
Tonawanda Ck	mid	805985	8/25/05	13	2	419	1	240		SNE	eight	
Tonawanda Ck	mid	805985	8/25/05	13	2	423	90	65	300	SNE	eight	
Tonawanda Ck	mid	805985	8/25/05	13	2	596	7	37	45	SNE	eight	
Tonawanda Ck	mid	805985	8/25/05	13	2	600	2	80	100	SNE	eight	
Tonawanda Ck	mid	805985	8/25/05	13	2	613	1	50		SNE	eight	
Tonawanda Ck	mid	805985	8/25/05	13	2	618	8	75	140	SNE	eight	
Tonawanda Ck	mid	805985	8/25/05	13	2	974	12	25	25	SNE	eight	
Tonawanda Ck	mid	805985	8/22/05	14	1	347	1	200		BPS	one	900s
Tonawanda Ck	mid	805985	8/22/05	14	1	360	1	40		BPS	one	900s
Tonawanda Ck	mid	805985	8/22/05	14	1	384	5	20	35	BPS	one	900s
Tonawanda Ck	mid	805985	8/22/05	14	1	400	2	20	45	BPS	one	900s
Tonawanda Ck	mid	805985	8/22/05	14	1	419	1	275		BPS	one	900s
Tonawanda Ck	mid	805985	8/22/05	14	1	591	10	35	175	BPS	one	900s
Tonawanda Ck	mid	805985	8/22/05	14	1	596	44	15	160	BPS	one	900s
Tonawanda Ck	mid	805985	8/22/05	14	1	598	3	152	177	BPS	one	900s
Tonawanda Ck	mid	805985	8/22/05	14	1	600	2	53	85	BPS	one	900s
Tonawanda Ck	mid	805985	8/22/05	14	1	613	11	40	55	BPS	one	900s
Tonawanda Ck	mid	805985	8/22/05	14	2	347	1	160		SNE	six	
Tonawanda Ck	mid	805985	8/22/05	14	2	375	14	43	45	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	14	2	384	80	36	46	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	14	2	400	25	25	52	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	14	2	591	19	25	158	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	14	2	595	3	35	81	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	14	2	596	103	30	110	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	14	2	613	12	40	56	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	14	2	974	12	15	15	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	15	1	340	1	80		BPS	two	900s
Tonawanda Ck	mid	805985	8/22/05	15	1	375	2	25	45	BPS	two	900s
Tonawanda Ck	mid	805985	8/22/05	15	1	384	75	20	30	BPS	two	900s
Tonawanda Ck	mid	805985	8/22/05	15	1	400	2	30	75	BPS	two	900s
Tonawanda Ck	mid	805985	8/22/05	15	1	423	1	57		BPS	two	900s
Tonawanda Ck	mid	805985	8/22/05	15	1	591	2	25	170	BPS	two	900s
Tonawanda Ck	mid	805985	8/22/05	15	1	595	6	60	85	BPS	two	900s
Tonawanda Ck	mid	805985	8/22/05	15	1	596	2	60	68	BPS	two	900s
Tonawanda Ck	mid	805985	8/22/05	15	1	613	17	35	55	BPS	two	900s
Tonawanda Ck	mid	805985	8/22/05	15	2	360	1	46		SNE	six	
Tonawanda Ck	mid	805985	8/22/05	15	2	375	51	36	40	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	15	2	384	41	30	48	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	15	2	400	67	11	72	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	15	2	401	2	35	38	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	15	2	407	11	42	52	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	15	2	419	10	40	46	SNE	six	

Tonawanda Ck	mid	805985	8/22/05	15	2	423	1	55		SNE	six	
Tonawanda Ck	mid	805985	8/22/05	15	2	613	93	35	45	SNE	six	
Tonawanda Ck	mid	805985	8/22/05	15	2	618	2	55	60	SNE	six	
Tonawanda Ck	mid	805985	9/2/05	16	1	360	6	52	55	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	407	10	63	70	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	375	4	46	54	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	384	3	53	120	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	397	2	42	65	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	400	11	42	72	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	401	3	50	52	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	404	1	46		BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	403	4	37	53	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	406	1	95		BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	407	1	123		BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	419	2	60	61	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	423	37	65	300	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	591	11	31	181	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	595	2	46	50	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	600	7	55	250	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	609	10	35	40	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	1	613	52	40	60	BPS	one	900s
Tonawanda Ck	mid	805985	9/2/05	16	2	360	1	48		SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	375	2	49	90	SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	384	50	20	130	SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	397	15	44	50	SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	400	19	20	75	SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	401	1	53		SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	403	1	45		SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	407	32	55	61	SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	419	8	71	300	SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	423	5	58	120	SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	591	1	35		SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	600	8	58	65	SNE	eight	
Tonawanda Ck	mid	805985	9/2/05	16	2	613	9	45	50	SNE	eight	
Tonawanda Ck	upper	805985	9/18/05	17	1	360	57	50	70	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	384	2	70	74	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	400	6	22	58	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	401	1	60		BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	404	1	42		BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	403	7	45	70	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	406	8	53	130	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	407	7	55	69	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	419	7	85	121	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	423	9	85	280	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	591	4	32	47	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	600	5	55	114	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	609	12	38	57	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	613	19	47	65	BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	1	961	1	25		BPS	one	900s
Tonawanda Ck	upper	805985	9/18/05	17	2	360	13	40	79	SNE	six	
Tonawanda Ck	upper	805985	9/18/05	17	2	384	35	48	123	SNE	six	

Tonawanda Ck	upper	805985	9/18/05	17	2	397	7	49	72	SNE	six	
Tonawanda Ck	upper	805985	9/18/05	17	2	401	2	56	61	SNE	six	
Tonawanda Ck	upper	805985	9/18/05	17	2	404	1	46		SNE	six	
Tonawanda Ck	upper	805985	9/18/05	17	2	403	5	48	53	SNE	six	
Tonawanda Ck	upper	805985	9/18/05	17	2	406	24	42	108	SNE	six	
Tonawanda Ck	upper	805985	9/18/05	17	2	407	110	60	73	SNE	six	
Tonawanda Ck	upper	805985	9/18/05	17	2	419	3	76	300	SNE	six	
Tonawanda Ck	upper	805985	9/18/05	17	2	600	1	54		SNE	six	
Tonawanda Ck	upper	805985	9/18/05	17	2	609	1	50		SNE	six	
Tonawanda Ck	upper	805985	9/23/05	18	1	360	5	50	58	BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	375	5	42	68	BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	384	11	28	73	BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	400	8	33	54	BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	401	1	61		BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	403	1	45		BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	406	3	42	46	BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	407	11	36	60	BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	423	9	56	153	BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	591	2	38	38	BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	600	1	74		BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	609	1	54		BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	613	19	38	64	BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	1	618	1	105		BPS	two	900s
Tonawanda Ck	upper	805985	9/23/05	18	2	360	2	60	65	SNE	four	
Tonawanda Ck	upper	805985	9/23/05	18	2	375	3	40	108	SNE	four	
Tonawanda Ck	upper	805985	9/23/05	18	2	384	35	41	132	SNE	four	
Tonawanda Ck	upper	805985	9/23/05	18	2	400	1	30		SNE	four	
Tonawanda Ck	upper	805985	9/23/05	18	2	406	1	120		SNE	four	
Tonawanda Ck	upper	805985	9/23/05	18	2	407	8	45	60	SNE	four	
Tonawanda Ck	upper	805985	9/23/05	18	2	419	1	152		SNE	four	
Tonawanda Ck	upper	805985	9/23/05	18	2	423	3	45	112	SNE	four	
Tonawanda Ck	upper	805985	9/23/05	18	2	591	1	32		SNE	four	
Tonawanda Ck	upper	805985	9/23/05	18	2	613	2	35	58	SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	1	347	1	178		BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	360	2	36	40	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	375	8	45	55	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	384	13	25	90	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	400	12	15	57	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	406	4	42	45	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	419	10	45	120	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	423	7	96	160	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	591	2	41	118	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	595	5	62	70	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	596	15	72	160	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	598	1	85		BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	601	6	72	130	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	609	1	45		BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	1	613	34	25	58	BPS	one	900s
L Tonawanda Ck	upper	805986	9/14/05	1	2	360	1	45		SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	375	3	45	64	SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	377	4	62	90	SNE	four	

L Tonawanda Ck	upper	805986	9/14/05	1	2	384	175	25	115	SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	400	29	15	25	SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	407	1	310		SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	419	6	40	200	SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	423	2	100	120	SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	591	3	145	165	SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	596	6	78	110	SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	598	2	70	70	SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	601	4	110	140	SNE	four	
L Tonawanda Ck	upper	805986	9/14/05	1	2	613	14	30	60	SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	1	360	15	40	90	BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	384	9	37	80	BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	400	42	20	80	BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	404	13	28	65	BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	406	22	36	158	BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	419	1	310		BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	423	18	48	116	BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	591	9	30	118	BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	595	1	72		BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	596	1	128		BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	609	34	45	53	BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	1	613	13	36	55	BPS	one	900s
L Tonawanda Ck	upper	805986	9/17/05	2	2	347	1	600		SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	2	360	4	68	75	SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	2	384	22	52	90	SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	2	397	2	65	70	SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	2	400	17	45	75	SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	2	404	1	61		SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	2	406	6	40	100	SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	2	423	9	50	145	SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	2	591	1	35		SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	2	601	1	60		SNE	four	
L Tonawanda Ck	upper	805986	9/17/05	2	2	613	3	48	62	SNE	four	
Ellicott Ck	lower	905984	6/2/05	1	1	365	12	400	650	EFB	four	900s
Ellicott Ck	lower	905984	6/2/05	1	1	381	12	60	82	EFB	four	900s
Ellicott Ck	lower	905984	6/2/05	1	1	428	2	380	390	EFB	four	900s
Ellicott Ck	lower	905984	6/2/05	1	1	431	1	310		EFB	four	900s
Ellicott Ck	lower	905984	6/2/05	1	1	432	1	240		EFB	four	900s
Ellicott Ck	lower	905984	6/2/05	1	1	433	3	350	385	EFB	four	900s
Ellicott Ck	lower	905984	6/2/05	1	1	591	1	160		EFB	four	900s
Ellicott Ck	lower	905984	6/2/05	1	1	596	1	142		EFB	four	900s
Ellicott Ck	lower	905984	6/2/05	1	1	600	4	224	411	EFB	four	900s
Ellicott Ck	lower	905984	6/2/05	1	1	601	5	280	300	EFB	four	900s
Ellicott Ck	lower	905984	6/2/05	1	1	617	3	147	180	EFB	four	900s
Ellicott Ck	lower	905984	7/7/05	2	1	361	2	180	270	EFB	three	900s
Ellicott Ck	lower	905984	7/7/05	2	1	365	23	360	455	EFB	three	900s
Ellicott Ck	lower	905984	7/7/05	2	1	405	3	200	300	EFB	three	900s
Ellicott Ck	lower	905984	7/7/05	2	1	419	1	305		EFB	three	900s
Ellicott Ck	lower	905984	7/7/05	2	1	595	1	45		EFB	three	900s
Ellicott Ck	lower	905984	7/7/05	2	1	596	1	75		EFB	three	900s
Ellicott Ck	lower	905984	7/7/05	2	1	601	3	254	280	EFB	three	900s
Ellicott Ck	lower	905984	7/7/05	3	1	361	2	63	65	EFB	four	900s

Ellicott Ck	lower	905984	7/7/05	3	1	365	14	430	550	EFB	four	900s
Ellicott Ck	lower	905984	7/7/05	3	1	377	1	113		EFB	four	900s
Ellicott Ck	lower	905984	7/7/05	3	1	400	1	63		EFB	four	900s
Ellicott Ck	lower	905984	7/7/05	3	1	401	1	64		EFB	four	900s
Ellicott Ck	lower	905984	7/7/05	3	1	596	2	80	100	EFB	four	900s
Ellicott Ck	lower	905984	7/7/05	3	1	598	5	75	112	EFB	four	900s
Ellicott Ck	lower	905984	7/7/05	3	1	601	2	300	340	EFB	four	900s
Bull Ck	lower	905985	6/2/05	1	1	294	1	153		EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	335	1	144		EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	347	1	520		EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	365	12	400	600	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	377	12	62	205	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	381	78	62	86	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	394	3	70	80	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	400	4	50	90	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	405	2	300	310	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	431	1	355		EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	433	1	598		EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	591	4	145	205	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	596	8	100	170	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	598	3	43	170	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	600	3	350	365	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	601	13	220	400	EFB	five	900s
Bull Ck	lower	905985	6/2/05	1	1	603	2	210	237	EFB	five	900s
Bull Ck	lower	905985	7/8/05	2	1	365	5	430	570	EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	377	12	85	145	EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	419	1	230		EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	431	1	370		EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	444	2	255	275	EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	591	1	205		EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	596	11	80	120	EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	598	7	68	140	EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	601	3	265	320	EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	603	1	125		EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	613	1	50		EFB	one	900s
Bull Ck	lower	905985	7/8/05	2	1	361x5	1	432		EFB	one	900s
Ransom Ck	lower	905986	7/8/05	1	1	347	2	300	335	EFB	three	900s
Ransom Ck	lower	905986	7/8/05	1	1	365	8	400	500	EFB	three	900s
Ransom Ck	lower	905986	7/8/05	1	1	431	4	340	350	EFB	three	900s
Ransom Ck	lower	905986	7/8/05	1	1	591	2	120	130	EFB	three	900s
Ransom Ck	lower	905986	7/8/05	1	1	595	1	76		EFB	three	900s
Ransom Ck	lower	905986	7/8/05	1	1	596	10	65	135	EFB	three	900s
Ransom Ck	lower	905986	7/8/05	1	1	598	8	45	170	EFB	three	900s
Ransom Ck	lower	905986	7/8/05	1	1	601	3	40	350	EFB	three	900s
Ransom Ck	lower	905986	7/8/05	1	1	617	1	170		EFB	three	900s
Murder Ck	lower	905987	8/18/05	1	1	347	1	630		BPS	one	900s
Murder Ck	lower	905987	8/18/05	1	1	401	1	55		BPS	one	900s
Murder Ck	lower	905987	8/18/05	1	1	433	1	430		BPS	one	900s
Murder Ck	lower	905987	8/18/05	1	1	444	3	156	210	BPS	one	900s
Murder Ck	lower	905987	8/18/05	1	1	595	15	66	104	BPS	one	900s

Murder Ck	lower	905987	8/18/05	1	1	596	5	67	110	BPS	one	900s
Murder Ck	lower	905987	8/18/05	1	1	598	1	165		BPS	one	900s
Murder Ck	lower	905987	8/18/05	1	1	613	2	22	55	BPS	one	900s
Murder Ck	lower	905987	8/18/05	1	1	617	1	126		BPS	one	900s
Murder Ck	lower	905987	8/18/05	1	1	622	3	60	74	BPS	one	900s
Murder Ck	lower	905987	8/18/05	1	2	346	1	180		SNE	six	
Murder Ck	lower	905987	8/18/05	1	2	360	1	50		SNE	six	
Murder Ck	lower	905987	8/18/05	1	2	384	10	51	80	SNE	six	
Murder Ck	lower	905987	8/18/05	1	2	394	2	60	85	SNE	six	
Murder Ck	lower	905987	8/18/05	1	2	400	14	15	60	SNE	six	
Murder Ck	lower	905987	8/18/05	1	2	401	5	52	60	SNE	six	
Murder Ck	lower	905987	8/18/05	1	2	419	65	35	75	SNE	six	
Murder Ck	lower	905987	8/18/05	1	2	591	2	25	30	SNE	six	
Murder Ck	lower	905987	8/18/05	1	2	613	90	29	50	SNE	six	
Murder Ck	lower	905987	8/18/05	1	2	622	39	45	70	SNE	six	
Murder Ck	lower	905987	8/18/05	2	1	347	1	420		BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	360	2	98	100	BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	400	5	62	65	BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	401	2	57	63	BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	406	36	100	180	BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	419	27	112	280	BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	446	1	128		BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	591	62	102	210	BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	595	15	75	128	BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	606	1	74		BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	607	37	35	70	BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	613	52	40	62	BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	1	622	2	40	70	BPS	two	900s
Murder Ck	lower	905987	8/18/05	2	2	360	9	50	130	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	377	1	90		SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	384	12	70	190	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	394	10	60	87	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	400	14	50	82	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	401	10	65	75	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	404	3	70	85	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	406	22	51	195	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	419	32	45	250	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	423	3	125	170	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	591	2	60	210	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	606	5	50	72	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	607	10	38	68	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	613	29	40	65	SNE	six	
Murder Ck	lower	905987	8/18/05	2	2	622	11	50	78	SNE	six	

Appendix 5. Bulk Fish Data for Johnson Creek Watershed - 2005

HYBRIDS EXCLUDED FROM REPORT

Gear: EFB = electro-fishing boat
BPS = backpack shocker
SNE = seine
Rep. = repetitions per site
L = total fish length in mm
Run = shocking runs or seine hauls

Location	Basin	Survey	Date	Site	Rep	Species	Catch	Min L	Max L	Gear	Run	Time
Johnson Ck	Lower	805943	5/17/05	1	1	381	3	30	85	BPS	one	900s
Johnson Ck	lower	805943	5/17/05	1	1	591	3	62	75	BPS	one	900s
Johnson Ck	lower	805943	5/17/05	1	1	595	4	44	111	BPS	one	900s
Johnson Ck	lower	805943	5/17/05	1	1	617	1	76		BPS	one	900s
Johnson Ck	lower	805943	5/17/05	1	1	622	2	47	56	BPS	one	900s
Johnson Ck	lower	805943	5/17/05	1	2	377	1	60		BPS	two	900s
Johnson Ck	lower	805943	5/17/05	1	2	381	4	70	80	BPS	two	900s
Johnson Ck	lower	805943	5/17/05	1	2	400	1	66		BPS	two	900s
Johnson Ck	lower	805943	5/17/05	1	2	406	1	135		BPS	two	900s
Johnson Ck	lower	805943	5/17/05	1	2	591	20	64	200	BPS	two	900s
Johnson Ck	lower	805943	5/17/05	1	2	595	20	42	132	BPS	two	900s
Johnson Ck	lower	805943	5/17/05	1	2	596	2	50	75	BPS	two	900s
Johnson Ck	lower	805943	5/17/05	1	2	617	2	78	80	BPS	two	900s
Johnson Ck	lower	805943	5/17/05	1	2	618	1	126		BPS	two	900s
Johnson Ck	lower	805943	5/17/05	1	2	792	2	96	100	BPS	two	900s
Johnson Ck	lower	805943	5/18/05	1	1	377	1	68		SNE	three	
Johnson Ck	lower	805943	5/18/05	1	1	381	108	48	80	SNE	three	
Johnson Ck	lower	805943	5/18/05	1	1	613	1	40		SNE	three	
Johnson Ck	lower	805943	5/18/05	1	1	792	1	70		SNE	three	
Johnson Ck	lower	805943	5/18/05	2	1	400	2	90	91	BPS	one	900s
Johnson Ck	lower	805943	5/18/05	2	1	591	14	59	147	BPS	one	900s
Johnson Ck	lower	805943	5/18/05	2	1	595	1	42		BPS	one	900s
Johnson Ck	lower	805943	5/18/05	2	1	613	1	58		BPS	one	900s
Johnson Ck	lower	805943	5/18/05	2	1	618	2	117	128	BPS	one	900s
Johnson Ck	lower	805943	5/18/05	2	1	792	3	60	66	BPS	one	900s
Johnson Ck	lower	805943	5/18/05	2	2	400	7	52	97	BPS	two	900s
Johnson Ck	lower	805943	5/18/05	2	2	443	1	142		BPS	two	900s
Johnson Ck	lower	805943	5/18/05	2	2	591	13	68	182	BPS	two	900s
Johnson Ck	lower	805943	5/18/05	2	2	595	3	72	82	BPS	two	900s
Johnson Ck	lower	805943	5/18/05	2	2	613	2	40	55	BPS	two	900s
Johnson Ck	lower	805943	5/18/05	2	2	792	1	87		BPS	two	900s
Johnson Ck	lower	805943	5/18/05	2	3	377	1	68		SNE	four	
Johnson Ck	lower	805943	5/18/05	2	3	381	106	48	80	SNE	four	
Johnson Ck	lower	805943	5/18/05	2	3	613	1	40		SNE	four	
Johnson Ck	lower	805943	5/18/05	2	3	792	1	70		SNE	four	
Johnson Ck	lower	805943	6/3/05	3	1	326	1	30		BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	346	1	65		BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	365	2	500	600	BPS	one	900s

Johnson Ck	lower	805943	6/3/05	3	1	400	12	40	65	BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	446	5	106	190	BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	591	15	82	290	BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	595	3	85	96	BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	596	3	40	75	BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	600	1	380		BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	606	9	70	85	BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	613	1	55		BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	618	1	92		BPS	one	900s
Johnson Ck	lower	805943	6/3/05	3	1	622	2	80	100	BPS	one	900s
Johnson Ck	lower	805943	6/3/05	4	1	365	12	500	800	BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	377	2	100	135	BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	400	3	20	132	BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	419	3	160	336	BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	444	2	355	355	BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	446	1	156		BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	591	3	80	205	BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	595	1	120		BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	596	5	60	125	BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	598	1	140		BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	606	4	60	75	BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	613	1	65		BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	617	8	76	126	BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	1	618	1	88		BPS	two	900s
Johnson Ck	lower	805943	6/3/05	4	2	381	1	80		SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	396	11	45	62	SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	400	75	40	65	SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	401	11	46	60	SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	406	1	60		SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	419	2	80	85	SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	431	1	120		SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	444	1	325		SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	591	1	175		SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	596	7	85	125	SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	606	1	70		SNE	four	
Johnson Ck	lower	805943	6/3/05	4	2	617	40	80	135	SNE	four	
Johnson Ck	lower	805943	6/15/05	5	1	268	3	490	700	EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	365	17	620	660	EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	384	1	70		EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	394	4	50	70	EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	397	5	53	64	EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	400	14	50	72	EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	431	1	148		EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	596	1	135		EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	601	1	110		EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	613	5	50	60	EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	617	3	76	78	EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	618	1	120		EFB	one	900s

Johnson Ck	lower	805943	6/15/05	5	1	622	1	61		EFB	one	900s
Johnson Ck	lower	805943	6/15/05	5	1	700	3	480	510	EFB	one	900s
Johnson Ck	lower	805943	6/15/05	6	1	365	6	520	650	EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	381	5	60	66	EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	397	3	60	70	EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	400	4	66	76	EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	419	1	423		EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	591	4	110	225	EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	596	2	62	100	EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	600	2	145	265	EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	613	1	55		EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	617	4	115	170	EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	622	1	84		EFB	two	900s
Johnson Ck	lower	805943	6/15/05	6	1	700	1	588		EFB	two	900s
Johnson Ck	lower	805943	6/15/05	7	1	271	3	560	581	EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	365	3	400	610	EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	397	6	55	65	EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	400	4	55	68	EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	419	3	355	385	EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	444	2	330	350	EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	449	1	85		EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	591	4	73	185	EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	595	2	55	100	EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	596	1	138		EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	600	1	166		EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	613	3	50	60	EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	617	4	85	132	EFB	three	900s
Johnson Ck	lower	805943	6/15/05	7	1	700	1	455		EFB	three	900s
Johnson Ck	lower	805943	6/15/05	8	1	268	6	700	710	EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	365	17	660	730	EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	381	1	70		EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	384	4	62	75	EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	394	4	85	120	EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	397	3	54	60	EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	400	2	55	75	EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	444	1	130		EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	591	2	150	200	EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	595	1	60		EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	596	2	82	130	EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	598	1	56		EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	600	1	240		EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	601	1	385		EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	617	6	70	130	EFB	four	900s
Johnson Ck	lower	805943	6/15/05	8	1	700	3	500	540	EFB	four	900s
Johnson Ck	lower	805943	6/15/05	9	1	347	1	720		EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	365	15	470	740	EFB	five	900s

Johnson Ck	lower	805943	6/15/05	9	1	377	3	90	111	EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	384	4	70	100	EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	396	2	55	60	EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	400	7	60	65	EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	444	11	230	380	EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	591	1	196		EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	595	2	75	90	EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	596	6	73	175	EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	598	1	50		EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	600	1	300		EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	601	4	295	370	EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	613	2	50	62	EFB	five	900s
Johnson Ck	lower	805943	6/15/05	9	1	617	13	70	140	EFB	five	900s
		805943										
Johnson Ck	lower	805943	6/22/05	10	1	268	1	60		EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	289	24	70	75	EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	347	1	510		EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	365	3	580	642	EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	381	60	48	80	EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	394	11	55	79	EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	397	1	60		EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	400	9	59	75	EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	401	1	55		EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	423	1	230		EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	447	1	75		EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	591	3	55	100	EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	596	6	90	130	EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	600	4	250	330	EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	601	4	300	390	EFB	one	900s
Johnson Ck	lower	805943	6/22/05	10	1	617	12	70	140	EFB	one	900s
Johnson Ck	lower	805943	6/22/05	11	1	271	25	530	680	EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	347	3	450	620	EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	365	4	560	800	EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	381	12	55	60	EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	394	1	75		EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	400	3	56	80	EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	444	10	195	365	EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	596	7	100	170	EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	598	2	55	58	EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	600	1	155		EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	601	5	300	410	EFB	two	900s
Johnson Ck	lower	805943	6/22/05	11	1	617	3	70	150	EFB	two	900s
Johnson Ck	lower	805943	6/22/05	12	1	268	11	20	50	EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	271	2	450	620	EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	347	1	560		EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	365	8	350	600	EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	381	3	60	72	EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	400	3	60	80	EFB	three	900s

Johnson Ck	lower	805943	6/22/05	12	1	444	24	280	380	EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	575	1	108		EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	591	1	58		EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	596	18	70	100	EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	598	1	150		EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	601	3	200	380	EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	617	25	75	118	EFB	three	900s
Johnson Ck	lower	805943	6/22/05	12	1	700	4	350	400	EFB	three	900s
Johnson Ck	lower	805943	6/22/05	13	1	268	1	400		EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	271	3	440	500	EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	347	2	65	350	EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	365	22	660	800	EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	377	7	80	150	EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	381	32	65	70	EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	400	17	50	80	EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	431	4	280	340	EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	444	12	210	340	EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	591	1	155		EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	596	12	96	155	EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	598	1	123		EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	601	3	190	251	EFB	four	900s
Johnson Ck	lower	805943	6/22/05	13	1	617	37	85	190	EFB	four	900s
Johnson Ck	lower	805943	7/5/05	14	1	268	1	65		BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	365	4	520	600	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	397	13	55	62	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	400	7	55	70	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	401	1	50		BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	419	1	32		BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	591	8	20	132	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	595	12	55	102	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	596	1	75		BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	600	1	37		BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	601	2	47	50	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	613	7	30	66	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	617	1	95		BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	1	618	3	90	120	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	14	2	268	1	105		SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	397	2	55	62	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	396	1	45		SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	400	37	50	66	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	401	2	50	52	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	419	8	42	55	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	591	37	20	80	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	596	3	40	70	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	600	10	35	52	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	601	13	40	55	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	613	18	33	75	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	617	1	85		SNE	six	

Johnson Ck	lower	805943	7/5/05	14	2	618	4	100	125	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	622	7	69	86	SNE	six	
Johnson Ck	lower	805943	7/5/05	14	2	792	5	63	115	SNE	six	
Johnson Ck	lower	805943	7/5/05	15	1	400	8	50	92	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	15	1	449	1	85		BPS	one	900s
Johnson Ck	lower	805943	7/5/05	15	1	591	3	18	165	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	15	1	595	6	55	95	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	15	1	596	1	110		BPS	one	900s
Johnson Ck	lower	805943	7/5/05	15	1	600	1	40		BPS	one	900s
Johnson Ck	lower	805943	7/5/05	15	1	601	2	40	47	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	15	1	613	9	56	68	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	15	1	618	2	115	120	BPS	one	900s
Johnson Ck	lower	805943	7/5/05	15	1	622	1	68		BPS	one	900s
Johnson Ck	lower	805943	7/5/05	15	2	365	1	500		SNE	six	
Johnson Ck	lower	805943	7/5/05	15	2	400	7	45	80	SNE	six	
Johnson Ck	lower	805943	7/5/05	15	2	449	1	97		SNE	six	
Johnson Ck	lower	805943	7/5/05	15	2	591	2	90	140	SNE	six	
Johnson Ck	lower	805943	7/5/05	15	2	600	4	35	43	SNE	six	
Johnson Ck	lower	805943	7/5/05	15	2	601	1	35		SNE	six	
Johnson Ck	lower	805943	7/5/05	15	2	618	1	85		SNE	six	
Johnson Ck	lower	805943	7/5/05	15	2	622	1	90		SNE	six	
Johnson Ck	lower	805943	7/18/05	16	1	268	1	180		BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	365	1	435		BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	400	2	60	70	BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	419	5	50	120	BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	591	2	30	36	BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	595	5	68	85	BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	596	3	70	75	BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	600	1	55		BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	601	3	35	50	BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	606	1	60		BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	613	26	32	70	BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	617	2	110	140	BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	1	622	1	68		BPS	one	900s
Johnson Ck	lower	805943	7/18/05	16	2	381	6	40	50	SNE	five	
Johnson Ck	lower	805943	7/18/05	16	2	396	7	42	65	SNE	five	
Johnson Ck	lower	805943	7/18/05	16	2	400	2	52	54	SNE	five	
Johnson Ck	lower	805943	7/18/05	16	2	419	14	48	62	SNE	five	
Johnson Ck	lower	805943	7/18/05	16	2	600	2	62	65	SNE	five	
Johnson Ck	lower	805943	7/18/05	16	2	601	22	42	48	SNE	five	
Johnson Ck	lower	805943	7/18/05	16	2	613	8	25	50	SNE	five	
Johnson Ck	lower	805943	7/18/05	17	1	360	2	50	70	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	394	2	75	80	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	400	4	50	85	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	406	1	70		BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	419	4	51	290	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	423	2	55	240	BPS	two	900s

Johnson Ck	lower	805943	7/18/05	17	1	432	3	135	205	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	591	6	27	165	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	595	27	52	117	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	596	5	50	100	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	600	1	50		BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	601	30	37	45	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	606	1	60		BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	613	28	40	65	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	1	617	6	90	160	BPS	two	900s
Johnson Ck	lower	805943	7/18/05	17	2	381	2	35	42	SNE	six	
Johnson Ck	lower	805943	7/18/05	17	2	394	1	75		SNE	six	
Johnson Ck	lower	805943	7/18/05	17	2	396	10	42	65	SNE	six	
Johnson Ck	lower	805943	7/18/05	17	2	397	12	40	66	SNE	six	
Johnson Ck	lower	805943	7/18/05	17	2	400	9	23	65	SNE	six	
Johnson Ck	lower	805943	7/18/05	17	2	419	3	30	280	SNE	six	
Johnson Ck	lower	805943	7/18/05	17	2	595	1	75		SNE	six	
Johnson Ck	lower	805943	7/18/05	17	2	596	2	92	150	SNE	six	
Johnson Ck	lower	805943	7/18/05	17	2	601	1	42		SNE	six	
Johnson Ck	lower	805943	7/18/05	17	2	613	1	40		SNE	six	
Johnson Ck	lower	805943	7/18/05	17	2	617	2	88	95	SNE	six	
Johnson Ck	lower	805943	8/10/05	18	1	400	5	35	60	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	419	1	80		BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	423	5	230	280	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	431	1	320		BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	591	6	45	135	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	596	2	30	116	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	600	3	55	85	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	601	12	60	80	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	613	7	35	70	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	617	5	104	107	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	618	1	80		BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	1	622	3	50	85	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	18	2	384	12	45	50	SNE	five	
Johnson Ck	lower	805943	8/10/05	18	2	396	18	46	67	SNE	five	
Johnson Ck	lower	805943	8/10/05	18	2	400	25	25	75	SNE	five	
Johnson Ck	lower	805943	8/10/05	18	2	419	3	57	70	SNE	five	
Johnson Ck	lower	805943	8/10/05	18	2	423	17	60	80	SNE	five	
Johnson Ck	lower	805943	8/10/05	18	2	591	1	140		SNE	five	
Johnson Ck	lower	805943	8/10/05	18	2	600	4	60	85	SNE	five	
Johnson Ck	lower	805943	8/10/05	18	2	601	4	60	69	SNE	five	
Johnson Ck	lower	805943	8/10/05	18	2	613	10	50	62	SNE	five	
Johnson Ck	lower	805943	8/10/05	18	2	617	4	65	120	SNE	five	
Johnson Ck	lower	805943	8/10/05	18	2	622	5	50	65	SNE	five	
Johnson Ck	lower	805943	8/10/05	19	1	365	6	84	95	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	1	394	1	78		BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	1	400	37	50	75	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	1	419	100	75	215	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	1	423	1	230		BPS	one	900s

Johnson Ck	lower	805943	8/10/05	19	1	444	1	230		BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	1	591	14	50	170	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	1	595	12	70	172	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	1	596	1	95		BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	1	600	12	65	100	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	1	601	7	55	117	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	1	613	22	40	72	BPS	one	900s
Johnson Ck	lower	805943	8/10/05	19	2	360	1	53		SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	394	25	51	93	SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	400	10	35	64	SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	419	12	75	147	SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	423	2	70	80	SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	591	4	42	44	SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	596	1	68		SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	600	7	57	85	SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	601	13	52	63	SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	609	5	50	56	SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	613	12	45	56	SNE	eight	
Johnson Ck	lower	805943	8/10/05	19	2	622	3	53	62	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	1	365	14	430	630	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	20	1	394	1	80		BPS	one	900s
Johnson Ck	lower	805943	8/11/05	20	1	400	14	45	60	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	20	1	449	1	140		BPS	one	900s
Johnson Ck	lower	805943	8/11/05	20	1	591	10	30	175	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	20	1	595	6	100	140	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	20	1	596	4	25	90	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	20	1	613	6	50	70	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	20	1	622	1	75		BPS	one	900s
Johnson Ck	lower	805943	8/11/05	20	1	974	2	102	110	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	20	2	268	1	255		SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	381	2	64	65	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	384	10	45	52	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	394	100	20	72	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	397	2	63	66	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	396	2	42	59	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	400	145	10	70	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	419	2	72	92	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	423	6	70	75	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	431	1	60		SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	596	16	32	105	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	598	1	98		SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	600	7	72	120	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	601	1	60		SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	606	9	55	62	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	613	5	36	55	SNE	eight	
Johnson Ck	lower	805943	8/11/05	20	2	617	10	56	100	SNE	eight	
Johnson Ck	lower	805943	8/11/05	21	1	365	14	425	635	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	21	1	400	1	63		BPS	one	900s

Johnson Ck	lower	805943	8/11/05	21	1	591	2	35	175	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	21	1	595	14	70	115	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	21	1	596	2	80	102	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	21	1	600	2	100	110	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	21	1	601	5	50	108	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	21	1	613	15	35	55	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	21	1	617	3	105	150	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	21	1	622	12	70	90	BPS	one	900s
Johnson Ck	lower	805943	8/11/05	21	2	347	1	460		SNE	Seven	
Johnson Ck	lower	805943	8/11/05	21	2	400	12	25	60	SNE	Seven	
Johnson Ck	lower	805943	8/11/05	21	2	432	2	62	74	SNE	Seven	
Johnson Ck	lower	805943	8/11/05	21	2	596	2	75	86	SNE	Seven	
Johnson Ck	lower	805943	8/11/05	21	2	600	7	78	90	SNE	Seven	
Johnson Ck	lower	805943	8/11/05	21	2	601	4	40	52	SNE	Seven	
Johnson Ck	lower	805943	8/11/05	21	2	606	4	45	53	SNE	Seven	
Johnson Ck	lower	805943	8/11/05	21	2	613	22	35	44	SNE	Seven	
Johnson Ck	lower	805943	8/11/05	21	2	617	1	100		SNE	Seven	
Johnson Ck	lower	805943	8/11/05	21	2	622	1	90		SNE	Seven	
Johnson Ck	lower	805943	8/11/05	22	1	384	5	45	50	BPS	three	900s
Johnson Ck	lower	805943	8/11/05	22	1	400	15	26	75	BPS	three	900s
Johnson Ck	lower	805943	8/11/05	22	1	591	5	90	175	BPS	three	900s
Johnson Ck	lower	805943	8/11/05	22	1	595	8	65	100	BPS	three	900s
Johnson Ck	lower	805943	8/11/05	22	1	600	1	65		BPS	three	900s
Johnson Ck	lower	805943	8/11/05	22	1	601	2	55	63	BPS	three	900s
Johnson Ck	lower	805943	8/11/05	22	1	613	24	29	60	BPS	three	900s
Johnson Ck	lower	805943	8/11/05	22	1	617	1	140		BPS	three	900s
Johnson Ck	lower	805943	8/11/05	22	1	618	3	110	135	BPS	three	900s
Johnson Ck	lower	805943	8/11/05	22	1	622	8	41	95	BPS	three	900s
Johnson Ck	lower	805943	8/11/05	22	2	384	8	44	60	SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	397	3	50	59	SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	400	50	21	77	SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	419	1	61		SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	431	3	45	60	SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	449	1	110		SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	591	4	32	98	SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	600	1	70		SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	601	1	70		SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	613	50	32	50	SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	622	25	36	67	SNE	eight	
Johnson Ck	lower	805943	8/11/05	22	2	792	3	32	98	SNE	eight	
Johnson Ck	lower	805943	8/12/05	23	1	397	1	65		BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	400	9	23	60	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	401	1	55		BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	431	1	87		BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	446	1	135		BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	591	2	37	120	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	595	8	80	170	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	596	1	90		BPS	one	900s

Johnson Ck	lower	805943	8/12/05	23	1	600	1	122		BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	601	1	70		BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	606	1	70		BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	613	13	21	65	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	618	1	145		BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	1	622	4	77	90	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	23	2	384	2	99	160	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	394	13	47	80	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	397	1	58		SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	400	26	25	80	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	419	1	104		SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	545	2	60	62	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	591	4	20	216	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	596	1	72		SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	600	2	65	75	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	601	2	50	62	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	606	2	38	72	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	613	12	41	66	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	618	2	116	120	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	622	3	40	78	SNE	six	
Johnson Ck	lower	805943	8/12/05	23	2	792	4	33	99	SNE	six	
Johnson Ck	lower	805943	8/12/05	24	1	365	9	580	620	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	24	1	400	2	48	65	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	24	1	432	2	62	125	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	24	1	446	1	173		BPS	one	900s
Johnson Ck	lower	805943	8/12/05	24	1	591	1	150		BPS	one	900s
Johnson Ck	lower	805943	8/12/05	24	1	595	14	55	86	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	24	1	596	5	68	80	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	24	1	601	25	42	56	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	24	1	613	30	49	65	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	24	1	622	8	50	92	BPS	one	900s
Johnson Ck	lower	805943	8/12/05	24	2	400	5	32	70	SNE	five	
Johnson Ck	lower	805943	8/12/05	24	2	449	1	18		SNE	five	
Johnson Ck	lower	805943	8/12/05	24	2	596	3	80	80	SNE	five	
Johnson Ck	lower	805943	8/12/05	24	2	600	2	80	100	SNE	five	
Johnson Ck	lower	805943	8/12/05	24	2	601	1	60		SNE	five	
Johnson Ck	lower	805943	8/12/05	24	2	613	5	35	46	SNE	five	
Johnson Ck	lower	805943	8/12/05	24	2	617	1	165		SNE	five	
Johnson Ck	lower	805943	8/12/05	24	2	792	1	52		SNE	five	
Johnson Ck	upper	805943	7/13/05	25	1	365	3	510	740	EFB	one	900s
Johnson Ck	upper	805943	7/13/05	25	1	431	9	175	450	EFB	one	900s
Johnson Ck	upper	805943	7/13/05	25	1	591	5	105	245	EFB	one	900s
Johnson Ck	upper	805943	7/13/05	25	1	596	3	95	140	EFB	one	900s
Johnson Ck	upper	805943	7/13/05	25	1	600	1	35		EFB	one	900s
Johnson Ck	upper	805943	7/13/05	26	1	347	5	350	580	EFB	two	900s
Johnson Ck	upper	805943	7/13/05	26	1	365	1	650		EFB	two	900s
Johnson Ck	upper	805943	7/13/05	26	1	397	2	50	55	EFB	two	900s

Johnson Ck	upper	805943	7/13/05	26	1	400	1	42		EFB	two	900s
Johnson Ck	upper	805943	7/13/05	26	1	419	3	35	455	EFB	two	900s
Johnson Ck	upper	805943	7/13/05	26	1	431	1	416		EFB	two	900s
Johnson Ck	upper	805943	7/13/05	26	1	591	2	110	140	EFB	two	900s
Johnson Ck	upper	805943	7/13/05	26	1	595	1	90		EFB	two	900s
Johnson Ck	upper	805943	7/13/05	26	1	596	7	72	155	EFB	two	900s
Johnson Ck	upper	805943	7/13/05	27	1	365	10	43	73	EFB	three	900s
Johnson Ck	upper	805943	7/13/05	27	1	377	6	105	144	EFB	three	900s
Johnson Ck	upper	805943	7/13/05	27	1	444	1	350		EFB	three	900s
Johnson Ck	upper	805943	7/13/05	27	1	598	3	132	190	EFB	three	900s
Johnson Ck	upper	805943	7/13/05	27	1	601	5	66	400	EFB	three	900s
Johnson Ck	upper	805943	7/13/05	27	1	617	1	229		EFB	three	900s
Johnson Ck	upper	805943	7/13/05	27	1	622	1	63		EFB	three	900s
Johnson Ck	upper	805943	7/13/05	28	1	340	1	70		EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	365	1	112		EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	365	1	350		EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	377	7	70	98	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	384	1	68		EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	394	1	76		EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	397	3	55	62	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	396	5	32	50	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	400	12	43	62	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	419	6	42	500	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	431	6	63	460	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	444	1	260		EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	447	1	74		EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	591	11	28	202	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	595	1	80		EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	596	3	75	121	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	598	2	152	162	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	601	3	46	50	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	28	1	622	2	66	70	EFB	four	900s
Johnson Ck	upper	805943	7/13/05	29	1	347	1	700		EFB	five	900s
Johnson Ck	upper	805943	7/13/05	29	1	365	2	400	600	EFB	five	900s
Johnson Ck	upper	805943	7/13/05	29	1	384	1	63		EFB	five	900s
Johnson Ck	upper	805943	7/13/05	29	1	397	2	60	70	EFB	five	900s
Johnson Ck	upper	805943	7/13/05	29	1	396	1	60		EFB	five	900s
Johnson Ck	upper	805943	7/13/05	29	1	419	7	185	440	EFB	five	900s
Johnson Ck	upper	805943	7/13/05	29	1	444	1	253		EFB	five	900s
Johnson Ck	upper	805943	7/13/05	29	1	591	1	10		EFB	five	900s
Johnson Ck	upper	805943	7/13/05	29	1	598	6	170	255	EFB	five	900s
Johnson Ck	upper	805943	7/13/05	29	1	600	1	300		EFB	five	900s
Johnson Ck	upper	805943	7/13/05	29	1	601	5	36	400	EFB	five	900s
Johnson Ck	upper	805943	8/24/05	30	1	360	43	46	70	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	365	1	650		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	384	5	65	80	BPS	one	900s

Johnson Ck	upper	805943	8/24/05	30	1	394	1	90		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	400	45	30	80	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	406	74	26	85	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	419	7	35	310	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	423	144	45	280	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	431	3	260	310	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	432	1	320		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	446	1	180		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	591	2	96	175	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	595	1	100		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	596	1	78		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	606	14	35	60	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	613	50	25	60	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	618	1	106		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	1	622	6	47	70	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	30	2	360	6	32	50	SNE	eight	
Johnson Ck	upper	805943	8/24/05	30	2	400	30	35	70	SNE	eight	
Johnson Ck	upper	805943	8/24/05	30	2	406	60	30	70	SNE	eight	
Johnson Ck	upper	805943	8/24/05	30	2	419	12	38	42	SNE	eight	
Johnson Ck	upper	805943	8/24/05	30	2	423	36	32	40	SNE	eight	
Johnson Ck	upper	805943	8/24/05	30	2	600	1	88		SNE	eight	
Johnson Ck	upper	805943	8/24/05	30	2	606	12	37	65	SNE	eight	
Johnson Ck	upper	805943	8/24/05	30	2	613	40	25	60	SNE	eight	
Johnson Ck	upper	805943	8/24/05	30	2	618	1	62		SNE	eight	
Johnson Ck	upper	805943	8/24/05	30	2	622	5	32	65	SNE	eight	
Johnson Ck	upper	805943	8/24/05	31	1	400	1	82		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	31	1	406	1	40		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	31	1	419	1	57		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	31	1	423	1	240		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	31	1	431	1	300		BPS	one	900s
Johnson Ck	upper	805943	8/24/05	31	1	591	2	106	182	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	31	1	595	6	50	117	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	31	1	601	2	75	80	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	31	1	613	26	41	68	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	31	1	622	5	30	80	BPS	one	900s
Johnson Ck	upper	805943	8/24/05	31	2	347	1	430		SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	394	1	66		SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	400	1	64		SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	406	2	38	56	SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	419	2	52	60	SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	423	2	60	100	SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	431	5	47	120	SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	591	2	30	85	SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	600	1	80		SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	601	3	80	92	SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	613	2	30	52	SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	618	1	128		SNE	six	
Johnson Ck	upper	805943	8/24/05	31	2	622	2	45	68	SNE	six	

Johnson Ck	upper	905980	9/5/05	1	1	360	4	46	130	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	384	20	68	170	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	400	16	30	80	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	406	12	64	230	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	419	4	105	200	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	423	22	55	350	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	431	1	220		BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	591	4	122	170	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	595	5	80	130	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	600	2	215	255	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	601	2	84	122	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	606	1	52		BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	609	4	48	53	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	613	22	20	76	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	1	622	4	64	68	BPS	one	900s
Johnson Ck	upper	905980	9/5/05	1	2	61	200	30	35	SNE	five	
Johnson Ck	upper	905980	9/5/05	1	2	381	7	46	50	SNE	five	
Johnson Ck	upper	905980	9/5/05	1	2	384	5	30	46	SNE	five	
Johnson Ck	upper	905980	9/5/05	1	2	400	1	32		SNE	five	
Johnson Ck	upper	905980	9/5/05	1	2	406	4	35	80	SNE	five	
Johnson Ck	upper	905980	9/5/05	1	2	423	1	125		SNE	five	
Johnson Ck	upper	905980	9/5/05	1	2	591	1	200		SNE	five	
Johnson Ck	upper	905980	9/5/05	1	2	613	5	40	45	SNE	five	
Johnson Ck	upper	905980	9/5/05	1	2	622	1	75		SNE	five	
Johnson Ck	upper	905980	9/10/05	2	1	360	1	128		BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	375	3	55	130	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	384	27	45	132	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	394	5	42	104	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	402	3	65	72	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	406	48	50	140	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	419	4	100	270	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	446	1	171		BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	591	12	75	225	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	595	2	79	103	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	596	6	51	102	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	601	1	110		BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	606	2	58	91	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	609	3	72	81	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	617	2	116	127	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	618	1	100		BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	1	792	8	53	108	BPS	one	900s
Johnson Ck	upper	905980	9/10/05	2	2	381	29	35	62	SNE	six	
Johnson Ck	upper	905980	9/10/05	2	2	394	64	25	86	SNE	six	
Johnson Ck	upper	905980	9/10/05	2	2	591	6	102	194	SNE	six	
Johnson Ck	upper	905980	9/10/05	2	2	613	1	50		SNE	six	
Johnson Ck	upper	905980	9/10/05	2	2	792	7	48	67	SNE	six	
Johnson Ck	upper	905980	9/11/05	3	1	340	1	44		BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	347	1	270		BPS	one	900s

Johnson Ck	upper	905980	9/11/05	3	1	365	1	410		BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	400	12	52	75	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	406	6	30	90	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	419	17	58	290	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	431	2	55	111	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	591	1	130		BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	595	27	55	90	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	596	27	59	93	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	598	2	70	111	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	601	7	70	105	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	613	37	30	64	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	622	7	51	72	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	1	974	2	120	140	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	3	2	384	2	45	78	SNE	five	
Johnson Ck	upper	905980	9/11/05	3	2	400	54	20	76	SNE	five	
Johnson Ck	upper	905980	9/11/05	3	2	406	2	42	49	SNE	five	
Johnson Ck	upper	905980	9/11/05	3	2	419	22	56	76	SNE	five	
Johnson Ck	upper	905980	9/11/05	3	2	431	2	120	215	SNE	five	
Johnson Ck	upper	905980	9/11/05	3	2	596	1	55		SNE	five	
Johnson Ck	upper	905980	9/11/05	3	2	601	3	70	76	SNE	five	
Johnson Ck	upper	905980	9/11/05	3	2	613	72	22	65	SNE	five	
Johnson Ck	upper	905980	9/11/05	3	2	622	5	48	54	SNE	five	
Johnson Ck	upper	905980	9/11/05	4	1	347	1	440		BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	365	1	500		BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	381	4	62	65	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	384	2	70	85	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	400	6	40	75	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	406	7	56	86	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	419	5	53	200	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	431	10	48	400	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	591	9	40	190	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	595	12	62	86	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	596	4	61	130	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	598	1	141		BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	601	1	100		BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	613	114	31	68	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	622	6	52	80	BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	1	974	1	90		BPS	one	900s
Johnson Ck	upper	905980	9/11/05	4	2	381	4	50	63	SNE	five	
Johnson Ck	upper	905980	9/11/05	4	2	384	3	78	85	SNE	five	
Johnson Ck	upper	905980	9/11/05	4	2	394	1	56		SNE	five	
Johnson Ck	upper	905980	9/11/05	4	2	400	5	22	62	SNE	five	
Johnson Ck	upper	905980	9/11/05	4	2	406	2	50	82	SNE	five	
Johnson Ck	upper	905980	9/11/05	4	2	419	1	41		SNE	five	
Johnson Ck	upper	905980	9/11/05	4	2	431	1	180		SNE	five	
Johnson Ck	upper	905980	9/11/05	4	2	449	3	36	40	SNE	five	
Johnson Ck	upper	905980	9/11/05	4	2	596	1	105		SNE	five	
Johnson Ck	upper	905980	9/11/05	4	2	613	50	30	68	SNE	five	
Johnson Ck	upper	905980	9/11/05	4	2	622	2	68	72	SNE	five	

Johnson Ck	upper	905980	9/16/05	5	1	360	69	47	73	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	375	4	55	140	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	384	2	45	85	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	400	2	74	85	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	401	1	65		BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	406	52	40	205	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	419	6	53	290	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	423	1	180		BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	591	2	27	180	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	596	3	82	85	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	601	1	76		BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	606	2	42	61	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	609	10	40	66	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	613	27	36	78	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	1	622	3	76	80	BPS	one	900s
Johnson Ck	upper	905980	9/16/05	5	2	360	4	41	52	SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	375	3	60	120	SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	384	4	65	90	SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	400	2	65	80	SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	406	4	82	92	SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	419	1	133		SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	423	2	100	115	SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	431	1	102		SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	591	1	154		SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	606	3	36	44	SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	613	6	60	71	SNE	four	
Johnson Ck	upper	905980	9/16/05	5	2	622	1	78		SNE	four	
Johnson Ck	upper	905980	9/21/05	6	1	360	65	36	135	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	375	22	75	140	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	384	58	61	100	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	393	4	68	74	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	406	35	35	215	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	419	5	64	270	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	423	7	64	210	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	595	1	90		BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	601	2	113	135	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	606	2	36	50	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	609	9	32	72	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	613	8	30	54	BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	1	622	1	75		BPS	one	900s
Johnson Ck	upper	905980	9/21/05	6	2	406	3	40	104	SNE	four	
Johnson Ck	upper	905980	9/21/05	6	2	423	1	157		SNE	four	
Johnson Ck	upper	905980	9/21/05	6	2	606	2	68	73	SNE	four	
Johnson Ck	upper	905980	9/21/05	6	2	609	1	62		SNE	four	
Johnson Ck	upper	905980	9/21/05	6	2	613	1	47		SNE	four	
Jeddo Ck	upper	905981	7/15/05	1	1	360	22	40	125	BPS	one	900s
Jeddo Ck	upper	905981	7/15/05	1	1	365	2	380	400	BPS	one	900s

Jeddo Ck	upper	905981	7/15/05	1	1	406	42	36	154	BPS	one	900s
Jeddo Ck	upper	905981	7/15/05	1	1	419	13	38	154	BPS	one	900s
Jeddo Ck	upper	905981	7/15/05	1	1	423	5	195	240	BPS	one	900s
Jeddo Ck	upper	905981	7/15/05	1	1	447	1	85		BPS	one	900s
Jeddo Ck	upper	905981	7/15/05	1	1	591	14	70	110	BPS	one	900s
Jeddo Ck	upper	905981	7/15/05	1	1	595	1	85		BPS	one	900s
Jeddo Ck	upper	905981	7/15/05	1	1	606	3	72	82	BPS	one	900s
Jeddo Ck	upper	905981	7/15/05	1	1	613	5	35	85	BPS	one	900s
Jeddo Ck	upper	905981	7/15/05	1	2	360	17	35	143	SNE	Seven	
Jeddo Ck	upper	905981	7/15/05	1	2	406	35	33	180	SNE	Seven	
Jeddo Ck	upper	905981	7/15/05	1	2	419	2	40	55	SNE	Seven	
Jeddo Ck	upper	905981	7/15/05	1	2	423	1	240		SNE	Seven	
Jeddo Ck	upper	905981	7/15/05	1	2	595	1	92		SNE	Seven	
Jeddo Ck	upper	905981	7/15/05	2	1	360	39	55	125	BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	365	2	570	620	BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	406	42	36	180	BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	419	4	45	170	BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	423	3	152	290	BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	591	17	22	143	BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	595	3	75	78	BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	596	1	80		BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	598	1	95		BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	609	1	70		BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	613	2	65	65	BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	1	792	1	80		BPS	two	900s
Jeddo Ck	upper	905981	7/15/05	2	2	360	5	32	110	SNE	five	
Jeddo Ck	upper	905981	7/15/05	2	2	400	1	70		SNE	five	
Jeddo Ck	upper	905981	7/15/05	2	2	406	44	27	170	SNE	five	
Jeddo Ck	upper	905981	7/15/05	2	2	419	7	35	160	SNE	five	
Jeddo Ck	upper	905981	7/15/05	2	2	423	1	130		SNE	five	
Jeddo Ck	upper	905981	7/15/05	2	2	591	2	20	145	SNE	five	
Jeddo Ck	upper	905981	7/15/05	2	2	609	1	85		SNE	five	
Jeddo Ck	upper	905981	7/15/05	2	2	613	2	65	70	SNE	five	
Jeddo Ck	upper	805944	8/30/05	1	1	360	135	62	117	BPS	one	900s
Jeddo Ck	upper	805944	8/30/05	1	1	384	1	168		BPS	one	900s
Jeddo Ck	upper	805944	8/30/05	1	1	406	28	47	195	BPS	one	900s
Jeddo Ck	upper	805944	8/30/05	1	1	419	10	137	325	BPS	one	900s
Jeddo Ck	upper	805944	8/30/05	1	1	423	50	72	310	BPS	one	900s
Jeddo Ck	upper	805944	8/30/05	1	1	432	1	380		BPS	one	900s
Jeddo Ck	upper	805944	8/30/05	1	1	591	7	100	170	BPS	one	900s
Jeddo Ck	upper	805944	8/30/05	1	1	600	4	92	140	BPS	one	900s
Jeddo Ck	upper	805944	8/30/05	1	1	606	7	41	89	BPS	one	900s
Jeddo Ck	upper	805944	8/30/05	1	2	360	18	71	116	SNE	six	
Jeddo Ck	upper	805944	8/30/05	1	2	406	35	41	120	SNE	six	
Jeddo Ck	upper	805944	8/30/05	1	2	419	1	54		SNE	six	
Jeddo Ck	upper	805944	8/30/05	1	2	423	35	63	260	SNE	six	
Jeddo Ck	upper	805944	8/30/05	1	2	606	6	54	76	SNE	six	
Jeddo Ck	upper	805944	8/30/05	1	2	613	1	80		SNE	six	

Appendix 6. Bulk Fish Data for Oak Orchard Creek Watershed - 2005

HYBRIDS EXCLUDED FROM REPORT

Gear: EFB = electro-fishing boat
BPS = backpack shocker
SNE = seine
Rep. = repetitions per site
L = total fish length in mm
Run = shocking runs or seine hauls

Location	Basin	Survey	Date	Site	Rep	Species	Catch	Min L	Max L	Gear	Run	Time
Marsh Creek	lower	805940	6/16/05	1		384	56	46	62	SNE	one	600s
Marsh Creek	lower	805940	6/16/05	1		397	16	42	60	SNE	one	600s
Marsh Creek	lower	805940	6/16/05	1		400	36	25	60	SNE	one	600s
Marsh Creek	lower	805940	6/16/05	1		401	2	40	45	SNE	one	600s
Marsh Creek	lower	805940	6/16/05	1		431	7	18	30	SNE	one	600s
Marsh Creek	lower	805940	6/16/05	1		596	7	105	140	SNE	one	600s
Marsh Creek	lower	805940	6/16/05	1		601	13	20	20	SNE	one	600s
Marsh Creek	lower	805940	6/16/05	1		613	5	10	56	SNE	one	600s
Marsh Creek	lower	805940	6/16/05	1		618	11	85	105	SNE	one	600s
Marsh Creek	lower	805940	6/16/05	2		384	2	45	45	SNE	two	600s
Marsh Creek	lower	805940	6/16/05	2		431	7	31	31	SNE	two	600s
Marsh Creek	lower	805940	6/16/05	2		596	3	125	132	SNE	two	600s
Marsh Creek	lower	805940	6/16/05	2		601	22	23	28	SNE	two	600s
Marsh Creek	lower	805940	6/16/05	2		609	1	45		SNE	two	600s
Marsh Creek	lower	805940	6/16/05	2		613	2	15	20	SNE	two	600s
Marsh Creek	lower	805940	6/16/05	3		326	2	56	68	SNE	three	600s
Marsh Creek	lower	805940	6/16/05	3		384	250	45	160	SNE	three	600s
Marsh Creek	lower	805940	6/16/05	3		400	3	20	55	SNE	three	600s
Marsh Creek	lower	805940	6/16/05	3		401	4	46	60	SNE	three	600s
Marsh Creek	lower	805940	6/16/05	3		406	1	80		SNE	three	600s
Marsh Creek	lower	805940	6/16/05	3		609	2	40	41	SNE	three	600s
Marsh Creek	lower	805940	6/16/05	3		617	2	60	145	SNE	three	600s
Marsh Creek	lower	805940	6/16/05	3		618	1	86		SNE	three	600s
Marsh Creek	lower	805940	6/16/05	3		384	12	50	113	BPS	one	700s
Marsh Creek	lower	805940	6/16/05	3		397	2	64	66	BPS	one	700s
Marsh Creek	lower	805940	6/16/05	3		400	3	55	72	BPS	one	700s
Marsh Creek	lower	805940	6/16/05	3		419	3	88	108	BPS	one	700s
Marsh Creek	lower	805940	6/16/05	3		591	3	68	142	BPS	one	700s
Marsh Creek	lower	805940	6/16/05	3		596	1	85		BPS	one	700s
Marsh Creek	lower	805940	6/16/05	3		606	1	51		BPS	one	700s
Marsh Creek	lower	805940	6/16/05	3		607	13	36	53	BPS	one	700s
Marsh Creek	lower	805940	6/16/05	3		609	6	40	52	BPS	one	700s
Marsh Creek	lower	805940	6/16/05	3		613	3	55	67	BPS	one	700s
Lake Alice	upper	805941	6/8/05	4		365	10	470	540	EFB	one	900s
Lake Alice	upper	805941	6/8/05	4		431	18	260	465	EFB	one	900s
Lake Alice	upper	805941	6/8/05	4		433	1	600		EFB	one	900s
Lake Alice	upper	805941	6/8/05	4		444	10	285	370	EFB	one	900s
Lake Alice	upper	805941	6/8/05	4		591	8	155	180	EFB	one	900s
Lake Alice	upper	805941	6/8/05	4		596	3	150	155	EFB	one	900s

Lake Alice	upper	805941	6/8/05	4	598	17	115	160	EFB	one	900s
Lake Alice	upper	805941	6/8/05	4	600	4	200	260	EFB	one	900s
Lake Alice	upper	805941	6/8/05	4	601	4	205	220	EFB	one	900s
Lake Alice	upper	805941	6/8/05	4	603	1	215		EFB	one	900s
Lake Alice	upper	805941	6/8/05	5	365	16	630	700	EFB	two	600s
Lake Alice	upper	805941	6/8/05	5	431	93	225	265	EFB	two	600s
Lake Alice	upper	805941	6/8/05	5	433	1	300		EFB	two	600s
Lake Alice	upper	805941	6/8/05	5	575	39	182	230	EFB	two	600s
Lake Alice	upper	805941	6/8/05	5	591	2	150	165	EFB	two	600s
Lake Alice	upper	805941	6/8/05	5	596	4	95	150	EFB	two	600s
Lake Alice	upper	805941	6/8/05	5	598	13	100	175	EFB	two	600s
Lake Alice	upper	805941	6/8/05	5	617	1	201		EFB	two	600s
Lake Alice	upper	805941	6/8/05	5	618	1	85		EFB	two	600s
Lake Alice	upper	805941	6/8/05	6	365	30	520	750	EFB	three	600s
Lake Alice	upper	805941	6/8/05	6	591	1	125		EFB	three	600s
Lake Alice	upper	805941	6/8/05	6	596	2	105	120	EFB	three	600s
Lake Alice	upper	805941	6/8/05	6	598	26	147	175	EFB	three	600s
Lake Alice	upper	805941	6/8/05	6	600	4	96	194	EFB	three	600s
Lake Alice	upper	805941	6/8/05	6	601	6	400	450	EFB	three	600s
Lake Alice	upper	805941	6/8/05	6	617	1	200		EFB	three	600s
Lake Alice	upper	805941	6/8/05	7	347	1	700		EFB	four	600s
Lake Alice	upper	805941	6/8/05	7	365	10	580	800	EFB	four	600s
Lake Alice	upper	805941	6/8/05	7	431	7	250	310	EFB	four	600s
Lake Alice	upper	805941	6/8/05	7	433	1	380		EFB	four	600s
Lake Alice	upper	805941	6/8/05	7	444	3	290	300	EFB	four	600s
Lake Alice	upper	805941	6/8/05	7	575	1	150		EFB	four	600s
Lake Alice	upper	805941	6/8/05	7	596	1	120		EFB	four	600s
Lake Alice	upper	805941	6/8/05	7	598	1	140		EFB	four	600s
Lake Alice	upper	805941	6/8/05	7	617	1	205		EFB	four	600s
Lake Alice	upper	805941	6/8/05	7	700	1	386		EFB	four	600s
Lake Alice	upper	805941	6/8/05	8	365	17	500	700	EFB	five	600s
Lake Alice	upper	805941	6/8/05	8	431	16	350	420	EFB	five	600s
Lake Alice	upper	805941	6/8/05	8	433	1	650		EFB	five	600s
Lake Alice	upper	805941	6/8/05	8	598	7	40	158	EFB	five	600s
Lake Alice	upper	805941	6/8/05	8	601	3	250	430	EFB	five	600s
Lake Alice	upper	805941	6/8/05	8	617	1	215		EFB	five	600s
Lake Alice	upper	805941	6/8/05	8	626	2	540	580	EFB	five	600s
Lake Alice	upper	805941	6/8/05	9	431	7	250	375	EFB	six	600s
Lake Alice	upper	805941	6/8/05	9	433	1	450		EFB	six	600s
Lake Alice	upper	805941	6/8/05	9	444	3	185	280	EFB	six	600s
Lake Alice	upper	805941	6/8/05	9	575	1	170		EFB	six	600s
Lake Alice	upper	805941	6/8/05	9	591	9	45	160	EFB	six	600s
Lake Alice	upper	805941	6/8/05	9	595	1	108		EFB	six	600s
Lake Alice	upper	805941	6/8/05	9	596	2	70	90	EFB	six	600s
Lake Alice	upper	805941	6/8/05	9	598	77	45	150	EFB	six	600s
Lake Alice	upper	805941	6/8/05	9	600	5	100	250	EFB	six	600s
Lake Alice	upper	805941	6/8/05	9	601	11	200	360	EFB	six	600s
Lake Alice	upper	805941	6/8/05	9	603	1	180		EFB	six	600s
Lake Alice	upper	805941	6/8/05	10	365	5	470	750	EFB	seven	600s
Lake Alice	upper	805941	6/8/05	10	381	1	70		EFB	seven	600s

Lake Alice	upper	805941	6/8/05	10	431	5	280	390	EFB	seven	600s
Lake Alice	upper	805941	6/8/05	10	444	2	280	300	EFB	seven	600s
Lake Alice	upper	805941	6/8/05	10	591	27	100	200	EFB	seven	600s
Lake Alice	upper	805941	6/8/05	10	596	7	130	155	EFB	seven	600s
Lake Alice	upper	805941	6/8/05	10	598	49	70	175	EFB	seven	600s
Lake Alice	upper	805941	6/8/05	10	600	14	155	230	EFB	seven	600s
Lake Alice	upper	805941	6/8/05	10	601	12	150	310	EFB	seven	600s
Lake Alice	upper	805941	6/8/05	10	603	1	170		EFB	seven	600s
Lake Alice	upper	805941	6/8/05	10	618	1	82		EFB	seven	600s
Glenwood Lk	upper	805942	7/21/05	1	365	60	330	460	EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	1	384	1	70		EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	1	394	3	52	55	EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	1	400	2	55	56	EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	1	433	1	400		EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	1	444	1	240		EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	1	545	1	46		EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	1	598	5	70	120	EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	1	600	2	65	78	EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	1	601	10	60	60	EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	1	618	53	55	98	EFB	one	600s
Glenwood Lk	upper	805942	7/21/05	2	365	110	335	450	EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	381	300	16	30	EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	394	14	65	80	EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	423	1	150		EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	431	1	250		EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	432	1	340		EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	433	1	540		EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	444	1	200		EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	545	9	10	36	EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	596	1	70		EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	598	2	80	135	EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	600	1	70		EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	601	2	65	140	EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	2	618	42	55	105	EFB	two	600s
Glenwood Lk	upper	805942	7/21/05	3	365	2	450	530	EFB	three	600s
Glenwood Lk	upper	805942	7/21/05	3	394	33	45	91	EFB	three	600s
Glenwood Lk	upper	805942	7/21/05	3	397	5	52	55	EFB	three	600s
Glenwood Lk	upper	805942	7/21/05	3	400	2	65	70	EFB	three	600s
Glenwood Lk	upper	805942	7/21/05	3	431	10	310	395	EFB	three	600s
Glenwood Lk	upper	805942	7/21/05	3	591	1	145		EFB	three	600s
Glenwood Lk	upper	805942	7/21/05	3	598	1	65		EFB	three	600s
Glenwood Lk	upper	805942	7/21/05	3	600	2	350	375	EFB	three	600s
Glenwood Lk	upper	805942	7/21/05	3	601	1	250		EFB	three	600s
Glenwood Lk	upper	805942	7/21/05	4	365	35	320	540	EFB	four	200s
Glenwood Lk	upper	805942	7/21/05	4	394	1	70		EFB	four	200s
Glenwood Lk	upper	805942	7/21/05	4	618	5	55	65	EFB	four	200s
Glenwood Lk	upper	805942	7/21/05	5	365	110	320	540	EFB	five	200s
Glenwood Lk	upper	805942	7/21/05	5	431	1	350		EFB	five	200s
Glenwood Lk	upper	805942	7/21/05	6	365	75	320	540	EFB	six	200s

Glenwood Lk	upper	805942	7/21/05	6	591	1	180		EFB	six	200s
Glenwood Lk	upper	805942	7/21/05	6	598	2	150	170	EFB	six	200s

Appendix 7. Freshwater Fishes of New York State

NYSDEC fisheries database species codes

Listed numerically by code in Taxonomic - Evolutionary Order

#code	common name	latin name	NYS status
2	**LAMPREYs**	**PETROMYZONTIDAE**	
201	Ohio lamprey	*Ichthyomyzon bdellium*	**other concern**
202	chestnut lamprey	*Ichthyomyzon castaneus*	
203	northern brook lamprey	*Ichthyomyzon fossor*	**other concern**
204	mountain brook lamprey	*Ichthyomyzon greeleyi*	**special concern**
205	silver lamprey	*Ichthyomyzon unicuspis*	
206	American brook lamprey	*Lampetra appendix*	
207	sea lamprey	*Petromyzon marinus*	
24	**STURGEON**	**ACIPENSERIDAE**	
260	shortnose sturgeon	*Acipenser brevirostrum*	**endangered**
261	lake sturgeon	*Acipenser fulvescens*	**threatened**
262	Atlantic sturgeon	*Acipenser oxyrinchus*	
25	**PADDLEFISHES**	**POLYODONTIDAE**	
266	paddlefish	*Polyodon spathula*	**extirpated (re-introduced)**
26	**GARS**	**LEPISOSTEIDAE**	
268	longnose gar	*Lepisosteus osseus*	
27	**BOWFINS**	**AMIIDAE**	
271	bowfin	*Amia calva*	
30	**FRESHWATER EELS**	**ANGUILLIDAE**	
276	American eel	*Anguilla rostrata*	**other concern**
40	**HERRINGS**	**CLUPEIDAE**	
285	blueback herring	*Alosa aestivalis*	
289	alewife	*Alosa pseudoharengus*	
290	American shad	*Alosa sapidissima*	
294	gizzard shad	*Dorosoma cepedianum*	
42	**MOONEYES**	**HIODONTIDAE**	
306	mooneye	*Hiodon tergisus*	**threatened**
43	**TROUTS**	**SALMONIDAE**	
311	cisco	*Coregonus artedi*	
312	lake whitefish	*Coregonus clupeaformis*	
313	bloater	*Coregonus hoyi*	**extirpated**
315	kiyi	*Coregonus kiyi*	**extirpated**
317	shortnose cisco	*Coregonus reighardi*	**extirpated**
318	shortjaw cisco	*Coregonus zenithicus*	**extirpated**
319	pink salmon	*Oncorhynchus gorbuscha*	introduced (sport)

320	coho salmon	*Oncorhynchus kisutch*	introduced (sport)
321	kokanee	*Oncorhynchus nerka*	introduced (sport)
322	chinook salmon	*Oncorhynchus tshawytscha*	introduced (sport)
324	round whitefish	*Prosopium cylindraceum*	**endangered**
326	rainbow trout	*Oncorhynchus mykiss*	introduced (sport)
327	Atlantic salmon	*Salmo salar*	**hertiage (extirpated)**
328	brown trout	*Salmo trutta*	introduced (sport)
329	brook char	*Salvelinus fontinalis*	**hertiage (other concern)**
328x9	tiger trout	*S.trutta x S.fontinalis*	rare hybrid (also raised)
330	lake char	*Salvelinus namaycush*	
332	splake	*Salvelinus hybrid*	hybrid (stocked)
44	**SMELTS**	**OSMERIDAE**	
335	rainbow smelt	*Osmerus mordax*	
48	**MUDMINNOWS**	**UMBRIDAE**	
340	central mudminnow	*Umbra limi*	
341	eastern mudminnow	*Umbra pygmaea*	
49	**PIKES**	**ESOCIDAE**	
345	redfin pickerel	*Esox americanus americanus*	subspp
346	grass pickerel	*Esox americanus vermiculatus*	subspp
347	northern pike	*Esox lucius*	
348	muskellunge	*Esox masquinongy*	
349	chain pickerel	*Esox niger*	
350	tiger musky	*Esox lucius X E. masquinongy*	hybrid (stocked)
61	**MINNOWS AND CARPS**	**CYPRINIDAE**	
359	bitterling	*Rhodeus sericeus*	exotic (pest)
360	central stoneroller	*Campostoma anomalum*	
361	goldfish	*Carassius auratus*	exotic (pest)
362	redside dace	*Clinostomus elongatus*	
363	lake chub	*Couesius plumbeus*	
364	grass carp	*Ctenopharyngodon idella*	exotic (pest)
365	common carp	*Cyprinus carpio*	introduced exotic (pest)
361x5	hybrid carp/goldfish	*Carassius/Cyprinus*	natural exotic hybrid (pest)
366	tonguetied minnow	*Exoglossum laurae*	
367	cutlip minnow	*Exoglossum maxillingua*	
368	brassy minnow	*Hybognathus hankinsoni*	
369	eastern silvery minnow	*Hybognathus regis*	
370	bigeye chub	*Hybopsis amblops*	**other concern**
371	streamline chub	*Erimystax dissimilis*	**special concern**
373	silver chub	*Macrhybopsis storeriana*	**endangered**
374	gravel chub	*Erimystax x-punctatus*	**threatened**
375	hornyhead chub	*Nocomis biguttatus*	
376	river chub	*Nocomis micropogon*	
377	golden shiner	*Notemigonus crysoleucas*	
378	comely shiner	*Notropos amoenus*	
379	satinfin shiner	*Cyprinella analostana*	
380	pugnose shiner	*Notropis anogenus*	**endangered**
381	emerald shiner	*Notropis atherinoides*	

382	bridle shiner	*Notropis bifrenatus*	
383	ironcolor shiner	*Notropis chalybaeus*	**special concern**
384	striped shiner	*Luxilus chrysocephalus*	
385	common shiner	*Luxilus cornutus*	
386	bigmouth shiner	*Notropis dorsalis*	
388	blackchin shiner	*Notropis heterodon*	**other concern**
389	blacknose shiner	*Notropis heterolepis*	
390	spottail shiner	*Notropis hudsonius*	
391	silver shiner	*Notropis photogenis*	
392	swallowtail shiner	*Notropis procne*	**other concern**
393	rosyface shiner	*Notropis rubellus*	
394	spotfin shiner	*Cyprinella spiloptera*	
395	sand shiner	*Notropis stramineus*	
396	redfin shiner	*Lythrurus umbratilis*	**special concern**
397	mimic shiner	*Notropis volucellus*	
961	unknown shiner	*Notropis spp.*	*preserve to ID*
398	northern redbelly dace	*Phoxinus eos*	
399	finescale dace	*Phoxinus neogaeus*	
400	bluntnose minnow	*Pimephales notatus*	
401	fathead minnow	*Pimephales promelas*	
402	e. blacknose dace	*Rhinichthys atratulus*	
403	longnose dace	*Rhinichthys cataractae*	
404	w. blacknose dace	*Rhinichthys obtusus*	
405	European rudd	*Scardinius erythrophthalmus*	exotic (pest)
406	creek chub	*Semotilus atromaculatus*	
407	fallfish	*Semotilus corporalis*	
408	pearl dace	*Margariscus margarita*	
409	silverjaw minnow	*Notropis buccatus*	
410	Oriental weatherfish	*Migurnus anguillicaudatus*	exotic (pest)
411	tench	*Tinca tinca*	exotic (pest)
na	Ide	*Leuciscus idus*	exotic (pest)
62	**SUCKERS**	**CATOSTOMIDAE**	
416	quillback	*Carpiodes cyprinus*	
418	longnose sucker	*Catostomus catostomus*	
419	white sucker	*Catostomus commersonii*	
421	creek chubsucker	*Erimyzon oblongus*	
422	lake chubsucker	*Erimyzon sucetta*	**threatened**
423	northern hog sucker	*Hypentelium nigricans*	
424	smallmouth buffalo	*Ictiobus bubalus*	
425	bigmouth buffalo	*Ictiobus cyprinellus*	
428	silver redhorse	*Moxostoma anisurum*	
429	river redhorse	*Moxostoma carinatum*	**other concern**
430	black redhorse	*Moxostoma duquesnei*	**special concern**
431	golden redhorse	*Moxostoma erythrurum*	
432	shorthead redhorse	*Moxostoma macrolepidotum*	
433	greater redhorse	*Moxostoma valenciennesi*	
432	smallmouth redhorse	*Moxostoma breviceps*	

64	**N. AMERICAN CATFISHES**	**ICTALURIDAE**	
440	white catfish	*Ameiurus catus*	
442	black bullhead	*Ameiurus melas*	
443	yellow bullhead	*Ameiurus natalis*	
444	brown bullhead	*Ameiurus nebulosus*	
445	channel catfish	*Ictalurus punctatus*	
446	stonecat	*Noturus flavus*	
447	tadpole madtom	*Noturus gyrinus*	
448	margined madton	*Noturus insignis*	
449	brindled madtom	*Noturus miurus*	
69	**PIRATE PERCHES**	**APHREDODERIDAE**	
460	e. pirate perch	*Aphredoderus sayanus sayanus*	subspp
460	w. pirate perch	*Aphredoderus sayanus gibbosus*	**subspp (other concern)**
70	**TROUT-PERCHES**	**PERCOPSIDAE**	
461	trout-perch	*Percopsis omiscomaycus*	
79	**CODFISHES**	**GADIDAE**	
493	burbot	*Lota lota*	
496	Atlantic tomcod	*Microgadus tomcod*	
87	**TOPMINNOWS**	**FUNDULIDAE**	
531	banded killifish	*Fundulus diaphanus*	
532	mummichog	*Fundulus heteroclitus*	
89	**NEW WORLD SILVERSIDES**	**ATHERINOPSIDAE**	
545	brook silverside	*Labidesthes sicculus*	
99	**STICKLEBACKS**	**GASTEROSTEIDAE**	
560	fourspine stickleback	*Apeltes quadracus*	
561	brook stickleback	*Culaea inconstans*	
562	threespine stickleback	*Gasterosteus aculeatus*	
564	ninespine stickleback	*Pungitius pungitius*	
105	**TEMPERATE BASSES**	**MORONIDAE**	
575	white perch	*Morone americana*	
576	white bass	*Morone chrysops*	
577	striped bass	*Morone saxatilis*	
108	**SUNFISHES**	**CENTRARCHIDAE**	
590	mud sunfish	*Acantharchus pomotis*	**threatened**
591	rock bass	*Ambloplites rupestris*	
592	bluespotted sunfish	*Enneacanthus gloriosus*	
593	banded sunfish	*Enneacanthus obesus*	**threatened**
594	redbreast sunfish	*Lepomis auritus*	
595	green sunfish	*Lepomis cyanellus*	
596	pumpkinseed	*Lepomis gibbosus*	
597	warmouth	*Lepomis gulosus*	
598	bluegill	*Lepomis macrochirus*	
599	longear sunfish	*Lepomis megalotis*	**threatened (reintroduced)**
974	hybrid sunfish	*Lepomis spp. cross*	*natural hybrid*
600	smallmouth bass	*Micropterus dolomieu*	
601	largemouth bass	*Micropterus salmoides*	
602	white crappie	*Pomoxis annularis*	

603	black crappie	*Pomoxis nigromaculatus*	
109	**PERCHES**	**PERCIDAE**	
605	eastern sand darter	*Ammocrypta pellucida*	**threatened**
606	greenside darter	*Etheostoma blennioides*	
607	rainbow darter	*Etheostoma caeruleum*	
608	Iowa darter	*Etheostoma exile*	
609	fantail dater	*Etheostoma flabellare*	
610	swamp darter	*Etheostoma fusiforme*	**threatened**
611	spotted darter	*Etheostoma maculatum*	**threatened**
613	johnny darter	*Etheostoma nigrum*	
614	tessellated darter	*Etheostoma olmstedi*	
615	variegate darter	*Etheostoma variatum*	
616	banded darter	*Etheostoma zonale*	
617	yellow perch	*Perca flavescens*	
618	logperch	*Percina caprodes*	
619	channel darter	*Percina copelandi*	
621	longhead darter	*Percina macrocephala*	**threatened**
622	blackside darter	*Percina maculata*	
623	shield darter	*Percina peltata*	
620	gilt darter	*Percina evides*	**endangered**
628	bluebreast darter	*Etheostoma camurum*	**endangered**
977	unknown darter	*Etheostoma spp.*	*preserve to ID*
625	sauger	*Sander canadensis*	
626	walleye	*Sander vitreum vitreum*	
627	blue pike	*Sander vitreum glaucum*	**extirpated subspp. (extinct)**
125	**DRUM**	**SCIAENIDAE**	
700	freshwater drum	*Aplodinotus grunniens*	
159	**GOBIES**	**GOBIIDAE**	
792	round goby	*Neogobius melanostomus*	exotic (pest)
174	**SCULPIN**	**COTTIDAE**	
865	mottled sculpin	*Cottus bairdii*	
866	slimy sculpin	*Cottus cognatus*	
866	spoonhead sculpin	*Cottus ricei*	**endangered**
873	deepwater sculpin	*Myoxocephalus thompsonii*	**endangered**

Appendix 8

Action plan for sustaining longear sunfish in New York State: 2007 DRAFT

PURPOSE AND GOAL: Preserve and protect current self-sustaining populations and habitat of longear sunfish (*Lepomis megalotis*) and to re-establish longear sunfish back into historic watersheds of NYS so that there are at least three self-sustained populations in two watersheds.

BACKGROUND: Widespread throughout portions of the Mississippi River and Great Lakes basins, the longear sunfish in New York is at the extreme eastern edge of its US range. Historically, longear sunfish occurred in three watersheds, Oneida Lake's outlet to the Oswego River, tributaries and bays of southwestern Lake Ontario (Johnson Creek, Oak Orchard Creek, Braddock Bay and West Creek) and a tributary of the Niagara, Tonawanda Creek. Intensive sampling since 1999 throughout historic waters has shown that longear sunfish now have a sustained population in only one area, a 6 km section of Tonawanda Creek.

Longear sunfish inhabit small to mid-size warmwater streams and prefer shallow slow reaches with good water clarity and some cover. They prefer areas of dense vegetation and tend to avoid strong currents and silt. Use of lake habitats is less clear, but records also come from impoundments on Oak Orchard Creek, Braddock Bay of Lake Ontario and Oneida Lake. In streams, longear sunfish inhabited a wide range of habitats in less than 1m of water near gravel-rock and silt-clay substrates, woody debris and aquatic vegetation. They also endured high turbidity and extreme seasonal flows.

Continued suburban sprawl and intense agricultural practices promote deleterious effects upon longear sunfish habitat resulting in high silt loading, excess nutrients and the alteration of flow. A recent additional deleterious factor is the establishment of two invasive species, green sunfish and round goby, but confirmation of their decline will require further study.

I. IDENTIFY AND PROTECT ESSENTIAL HABITAT IN TONAWANDA CREEK

The **Tonawanda Stock** may be a Significant Genetic Unit. If so, it is unique, reproductively isolated, and the last functional population of longear sunfish in NYS and in the central-eastern Lake Erie basin. Therefore, the area of lower Tonawanda Creek where longear sunfish were found must be protected.

Recommendations for habitat:

- DEC Region 9 work with land-use planning organizations to assure protection of the riparian corridor of Tonawanda Creek that is upstream of Mud Creek (T8).
- DEC Region 9 ensure water quality regulations are met above this site and that water withdrawals for irrigation not cause stress due to low flows. This will require study.
- Identify other suitable habitats for longear sunfish in the Tonawanda sub-basin.
- Promote public awareness about the unique stream resource through the media.

II. SELECTIVE REINTRODUCTIONS

The **Tonawanda Stock** as we presently know it is too small for use in replenishing other historical waters in NYS. Its highly restricted range of only 6 km makes it vulnerable to catastrophic toxic spill and makes development of a refugia population important. For other recovery efforts, **brood stocks from outside New York** were chosen for propagation and reintroduction. By July 2006, two baitfish ponds at the Perch River WMA, Jefferson County had been supplied with about 100 northern longear sunfish, one pond with brood stock from the Huron River in Michigan (2005) and the other from the Moira River in Ontario (2006). Sampling in fall 2206, indicating successful reproduction in the pond with brood stock from Michigan.

Recommendations for stocking at five sites:

- **Primary sites for self-sustaining populations: Marsh Creek** (ONT 138-1) one mi. above the mouth at Oak Orchard Creek, Orleans County (DEC Region 8). **Johnson Creek** (ONT 139), Kuckville above Rte 18, Orleans County (DEC Region 8).
- **Supplemental site for a self-sustaining population: Cayuga Creek** (E-1-5), RM 2.5 by Slate Bottom Creek (T-2), Cheektowaga, Erie County, (DEC Region 9); Cayuga Creek is a good candidate to provide more foundation to the populations of the Erie watershed.
- S**ites for experimentation with fingerling survival: Oneida Lake** (ONT 66-11-P26) near Bridgeport, Oswego County (DEC Region 7). Any part of the lake shore zone would be suitable, like near Shackleton Point or Chittenango Creek. **Baitfish Ponds** at Perch Lake WMA, Jefferson County (DEC Region 6); There is another baitfish pond like those with brood stock, that is presently inhabited by baitfish but without gamefish. It was stocked in Oct 2006, and fingerling survival and later reproduction will be evaluated.

<u>Special considerations</u>

- NO STOCKING of any longear sunfish of other origin into the Tonawanda Creek subbasin to avoid possible genetic interference of the **Tonawanda Stock.**
- Use longear sunfish from Tonawanda Creek to develop a refugia population in captivity and for later use to stock other streams or stream sections when they become sufficiently abundant and genetically diverse to serve this purpose

III. RECOMMENDATIONS FOR BIOLOGICAL INVESTIGATIONS

- Develop a sampling protocol for finding and monitoring longear sunfish in NYS
- Collect biological data and estimate relative population abundance of longear sunfish from Tonawanda Creek and other stocked populations at intervals of no less than 5 years
- Also, thoroughly sample all prospective release sites and adjacent areas to confirm the absence of resident longear sunfish before stocking**.**
- Complete a genetic study in 2007 on fin tissue collected in 2005-06 that includes samples from New York (Tonawanda Creek), Michigan, Ohio and Ontario
- Plan for and find funding for a two-year study of life history and limiting factors of longear sunfish in this 6 km area

IV. RECOMMENDATIONS FOR INTERAGENCY COOPERATION

- Encourage academic institutions to acquire funds for studying habitat management
- Continue visits to Michigan and Ontario to understand the species and habitats
- Keep interested agencies like USFWS and Iroquois National Wildlife Refuge on Oak Orchard Creek up-to-date on project findings and ask for their assistance if necessary

Revised by D.M. Carlson, February 2007 from a version by S.M. Wells et al. 2006

Appendix 9. Distribution of sampling effort and summary results for fish community surveys conducted from May-September 2005. Primary watersheds of study are labeled in bold, main tributaries and reservoirs in italics. Richness and abundance counts exclude hybrids and unidentified fry. Species counts are listed in Appendix 10.

Table Footnotes:

A fish collected by electro-fishing (boat or backpack) and beach seines. Waterbodies in each watershed were defined by barriers to fish passage and tributary streams. [1]Multiple sites were often sampled on the same day. Boat electro-fishing was used exclusively in the reservoirs and lower stream basins due to large surface waters and time constraints. [2]Abundance of groups of fish too large to collect and count was estimated visually after a sample was captured to identify the species. [3]Erie (NYS Barge) Canal from the Pendleton Bridge west to the mouth of Little (Niagara) River. [4]Lower Tonawanda Creek from Indian Falls (Genesee Co.) downstream to Erie Canal confluence (Erie/Niagara Co.). [5]Middle Tonawanda Creek from the Batavia low-head dam (Genesee Co.) downstream to Indian Falls. [6]Upper Tonawanda Creek headwaters in Wyoming Co. south to the Batavia Dam. [7]Upper and Lower Johnson Creek are divided by the historic records for longear sunfish (LES) capture sites; lower = at and below Yates-Carlton Townline Bridge, Orleans Co. and upper = all main stem sites upstream of this area.

Appendix 9

WATERSHED Waterbody	**# Days Trips**	**# Sample Sites**[1]	**Fish Richness**	**# Rare (%)**	**# Exotic (%)**	**Total Fish Counts**[2]
ERIE-NIAGARA						
TONAWANDA CREEK	**29**	**68**	**61**	**2 (3%)**	**5 (8%)**	**21,301**
Erie Canal[3]	4	5	35	**1** (3 %)	3 (9 %)	1,034
Ellicott Creek	2	3	19	0	3 (16 %)	108
Bull Creek	2	2	21	0	1 (14 %)	183
Ransom Creek	1	1	9	0	1 (11 %)	39
Lower Main Stem[4]	14	29	50	**2** (4 %)	3 (6 %)	6,505
Murder Creek	1	2	24	0	0	679
Middle Main Stem[5]	8	14	26	0	1 (4 %)	8,067
Upper Main Stem[6]	6	7	25	0	3 (4 %)	4,061
Little Tonawanda Creek	2	2	19	0	0	616
SW LAKE ONTARIO						
JOHNSON CREEK	**19**	**40**	**46**	**1**	**3**	**6,232**
Lower Main Stem[7]	8	18	39	**1** (3 %)	3 (5 %)	2,086
Upper Main Stem[7]	9	16	40	**1** (3 %)	2 (5 %)	3,464
Jeddo Creek	2	3	18	0	1 (6 %)	682
OAK ORCHARD CREEK	**3**	**16**	**33**	**0**	**2**	**2,046**
Marsh Creek	1	3	17	0	1 (4 %)	502
Mid-Reach Impoundments						
Lake Alice	1	7	18	0	1 (14 %)	632
Glenwood Lake	1	6	18	0	1 (43 %)	912
2005 Summary Totals	**51 trips**	**124 sites**	**67 species**	**2 rare**	**6 exotic**	**29,579 fishes**

Appendix 10. Relative abundances of 67 fish species, excluding hybrids, collected in several water bodies from May-September 2005. Non-native introduced species labeled (I). NYS 'listed' species in upper case.

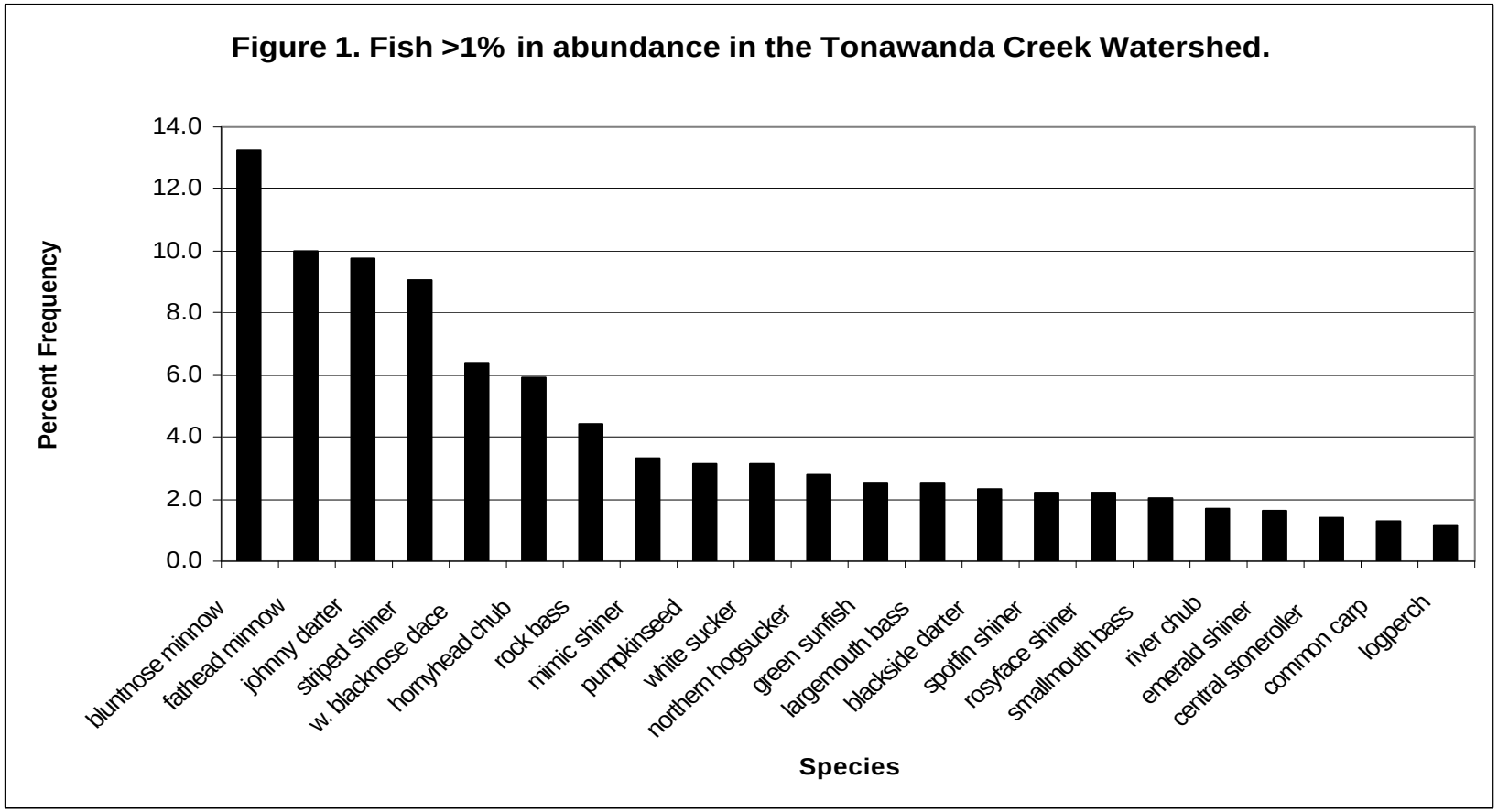
Common	----------TONAWANDA CREEK WATERSHED--- --------- -------									JOHNSON CREEK			OAK ORCHARD CREEK		
Name	Canal	Ellicott	Bull	Ransom	Lower	Murder	Middle	Little	Upper	Lower LES	Upper NO LES	Jeddo	Marsh	Alice	Glenwood
longnose gar										25	1				
bowfin										33					
alewife										24					
gizzard shad			1												
rainbow trout (I)											1		2		
brown trout (I)									36						
rainbow smelt			1												
central mudminnow	1				9		1				2				
grass pickerel	2				4	1					1				
northern pike	13		1	2	8	2	8	2		8	10			1	
chain pickerel	1														
central stoneroller						12	16	22	244	2	193	236			
goldfish (I)	1	4	1		1										
redside dace									15						
common carp (I)	32	49	5	8	83		90			110	69	4		88	372
hornyhead chub					11		1167	11	75		32				
river chub					172		187								
golden shiner	111	1	27		5	1	4	4		13	15				
emerald shiner	167	12	78		85					346	44			1	300
[1]striped shiner	1				273	22	1033	219	386	24	152	1	320		1
spottail shiner	1				3										
rosyface shiner					467						4				
spotfin shiner	24		3		436	12				36	203				51
REDFIN SHINER					6					*20*	*37*				
mimic shiner	2				461		18	2	227	50	9		18		5
bluntnose minnow	127	2	4		1014	33	1009	400	230	256	527	1	42		4

fathead minnow	12	1			24	18	2063		12	6	12		6		
longnose dace							5		90						
[2]w. blacknose dace						3	1	14	1346		3				
European rudd (I)	8	3	2												
creek chub					1	58	3	32	121	2	313	226	1		
fallfish							43	1	157						
white sucker	6	1	1		151	124	205	17	160	41	226	37	3		
northern hogsucker					111	3	285	36	160	3	248	95			1
silver redhorse	1	2			3										
golden redhorse	20	1	2	4	133					9	45		14	146	12
shorthead redhorse	4	1			35					5	3	1			1
greater redhorse	6	3	1		3	1								5	2
yellow bullhead										1					
brown bullhead	30		2		11	3			2	60	7			18	2
channel catfish					13										
stonecat					34	1				2	8				
tadpole madtom										1	1	1			
brindled madtom					21					5	4				
banded killifish					1										
brook silverside	1				4					2					10
white perch										1				41	
rock bass	33	1	5	2	233	66	534	15	51	144	118	40	3	47	1
green sunfish	10	1		1	415	31	52	6	21	114	92	5		1	
pumpkinseed	186	4	19	10	208	5	68	23	150	82	99	1	11	19	1
bluegill	108	5	10	8	47	1	2	3	5	6	16	1		190	9
LONGEAR SUNFISH	*1*				*22*										
smallmouth bass	15	4	3		205		129		74	37	49	4		27	5
largemouth bass	77	10	16	3	70		331	11	14	127	81		35	36	4
white crappie	2				5										
black crappie	3		3		10									3	
greenside darter					138	5				5	65	16	1		

rainbow darter					61	47							13		
fantail dater					2		10		131		32	2	7		
johnny darter	4		1		908	173	654	64	271	247	598	10	10		
yellow perch	19	3		1	4	1				124	76		2	4	
logperch					88		158		3	20	7		12	2	100
blackside darter					436	55				62	78				
walleye					11									2	
freshwater drum					2					12				1	
round goby (I)	5				57					21	15	1			
mottled sculpin									77						
TOTALS	1034	108	183	39	6505	678	8076	616	4061	2086	3464	682	500	632	881

Common names conform to Latin names reported by Robins et al. 1991. Fish collected by electro-fishing (boat, backpack) or beach seine. Assumptions were made for certain identifications of closely related species with regards to their habitat and ranges as follows:
[1]No common shiners were recorded in 2005, all similar individuals were identified as striped shiners. [2]Blacknose dace are listed as the newly recognized western species due to the capture area (D. M. Carlson, NYDEC, pers. comm.).

Appendix 11: Frequency distributions of fish caught in the Tonawanda, Johnson and Oak Orchard Creek watershed (Figures 1-3) and in association with longear sunfish (*Lepomis megalotis*) and redfin shiner (*Lythrurus umbratilis*) (Figures 4-7).



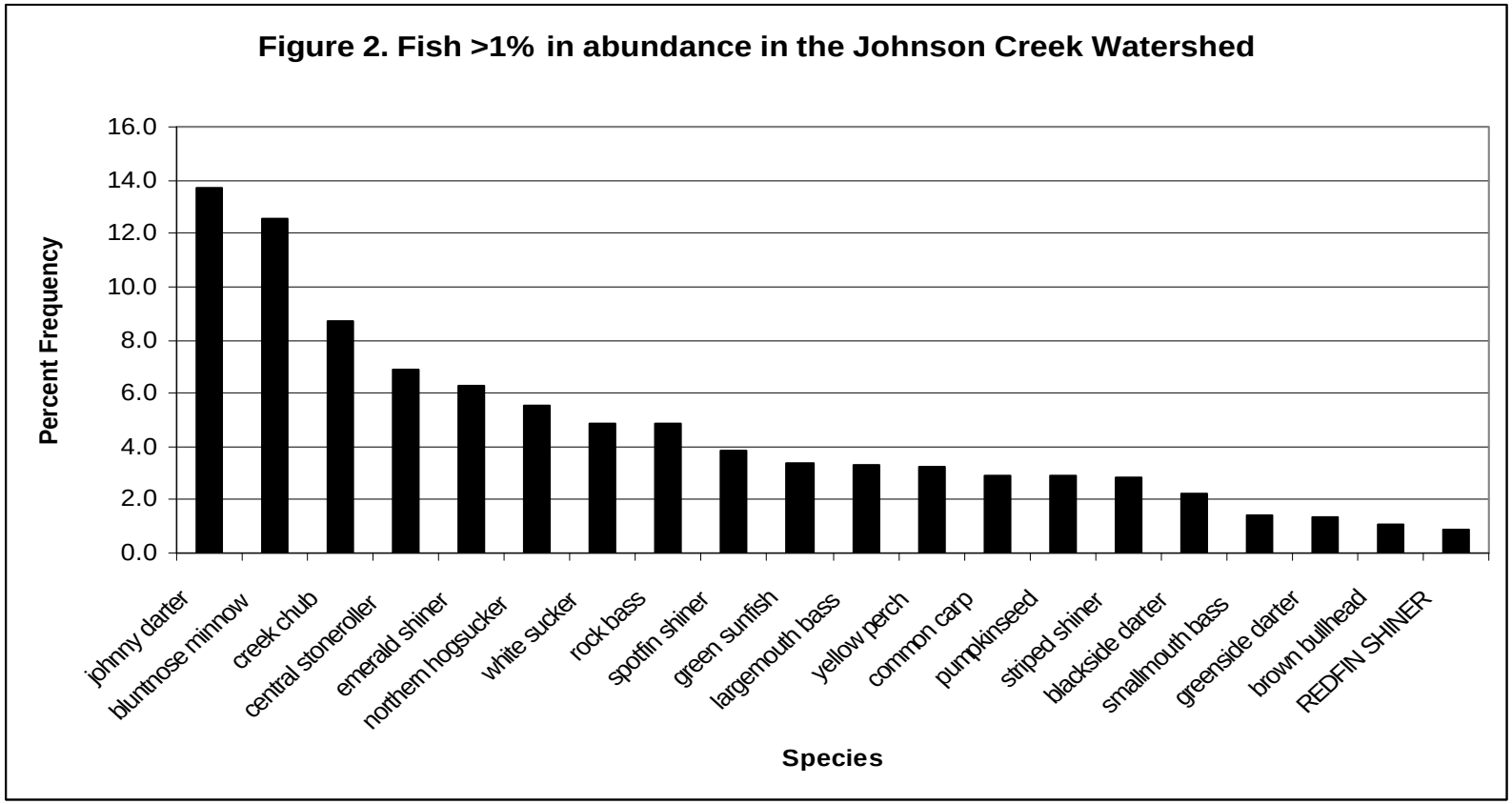


Figure 2. Fish >1% in abundance in the Johnson Creek Watershed
Percent Frequency
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
johnny darter
bluntnose minnow
creek chub
central stoneroller
emerald shiner
northern hogsucker
white sucker
rock bass
spotfin shiner
green sunfish
largemouth bass
yellow perch
common carp
pumpkinseed
striped shiner
blackside darter
smallmouth bass
greenside darter
brown bullhead
REDFIN SHINER
Species

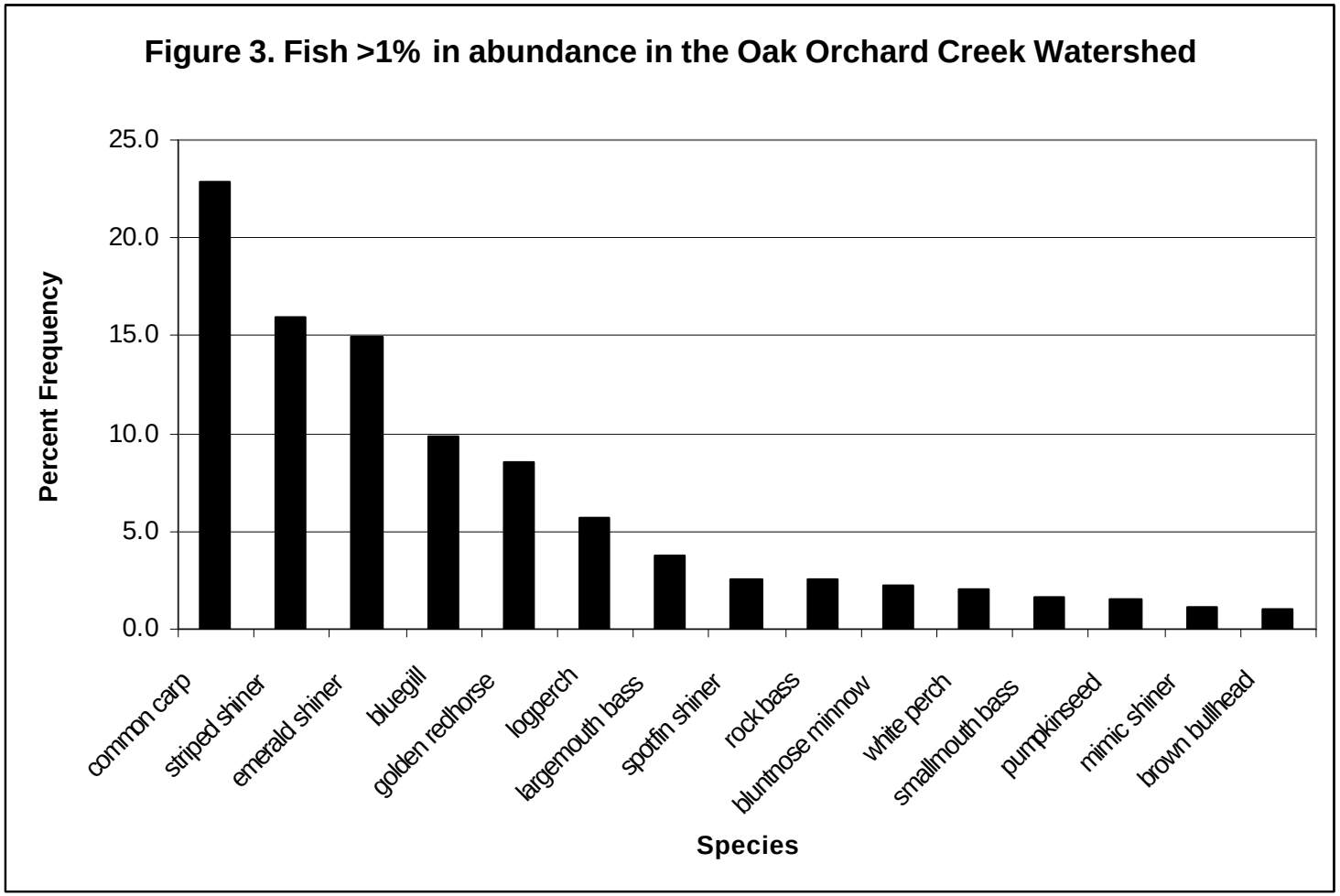


Figure 3. Fish >1% in abundance in the Oak Orchard Creek Watershed
Percent Frequency
25.0
20.0
15.0
10.0
5.0
0.0
common carp
striped shiner
emerald shiner
bluegill
golden redhorse
logperch
largemouth bass
spotfin shiner
rock bass
bluntnose minnow
white perch
smallmouth bass
pumpkinseed
mimic shiner
brown bullhead
Species

Figure 4. Fish abundance >1% at locations of redfin shiners in middle Tonawanda Creek.

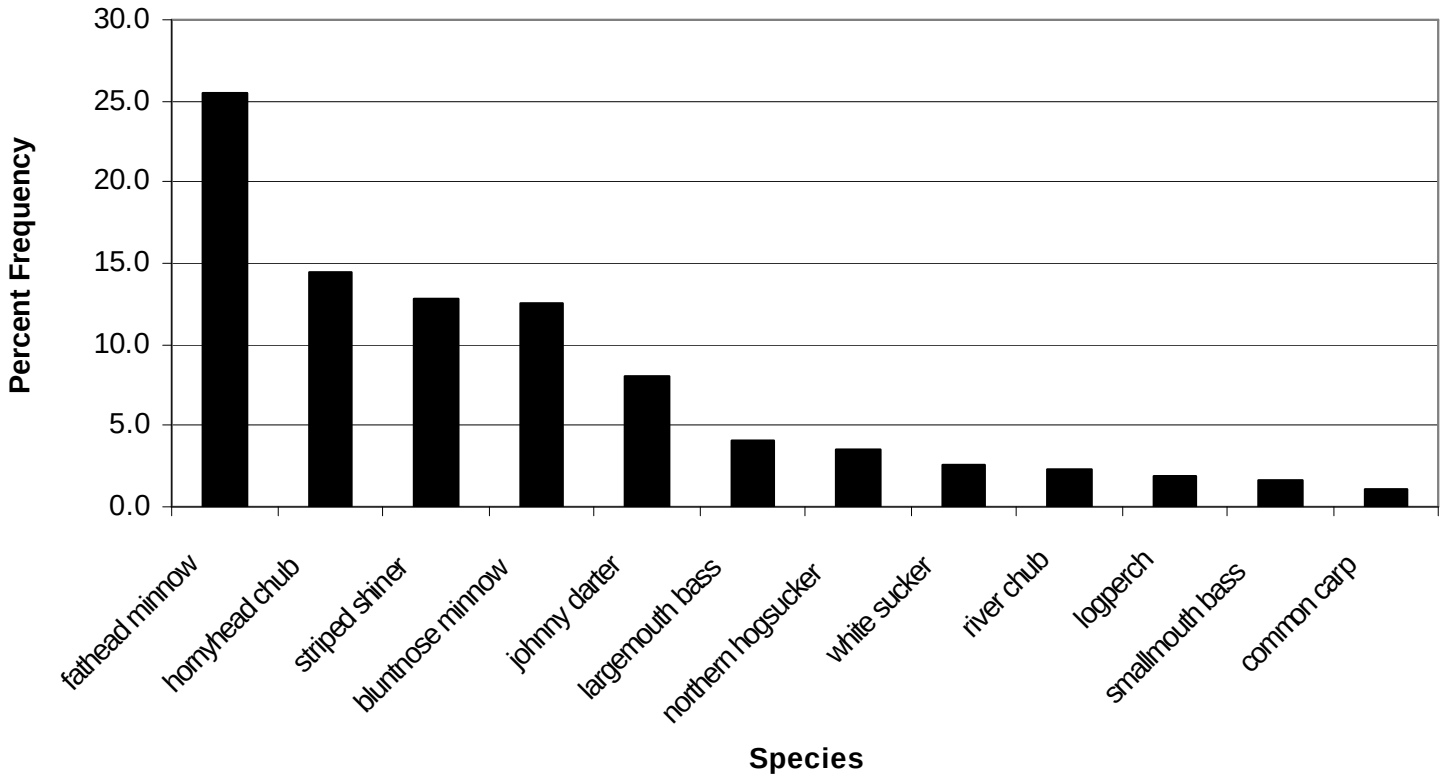


Figure 5. Fish >1% in abundance in the Erie Canal and Ellicott Creek sections of the Tonawanda Creek watershed near locations of longear sunfish.

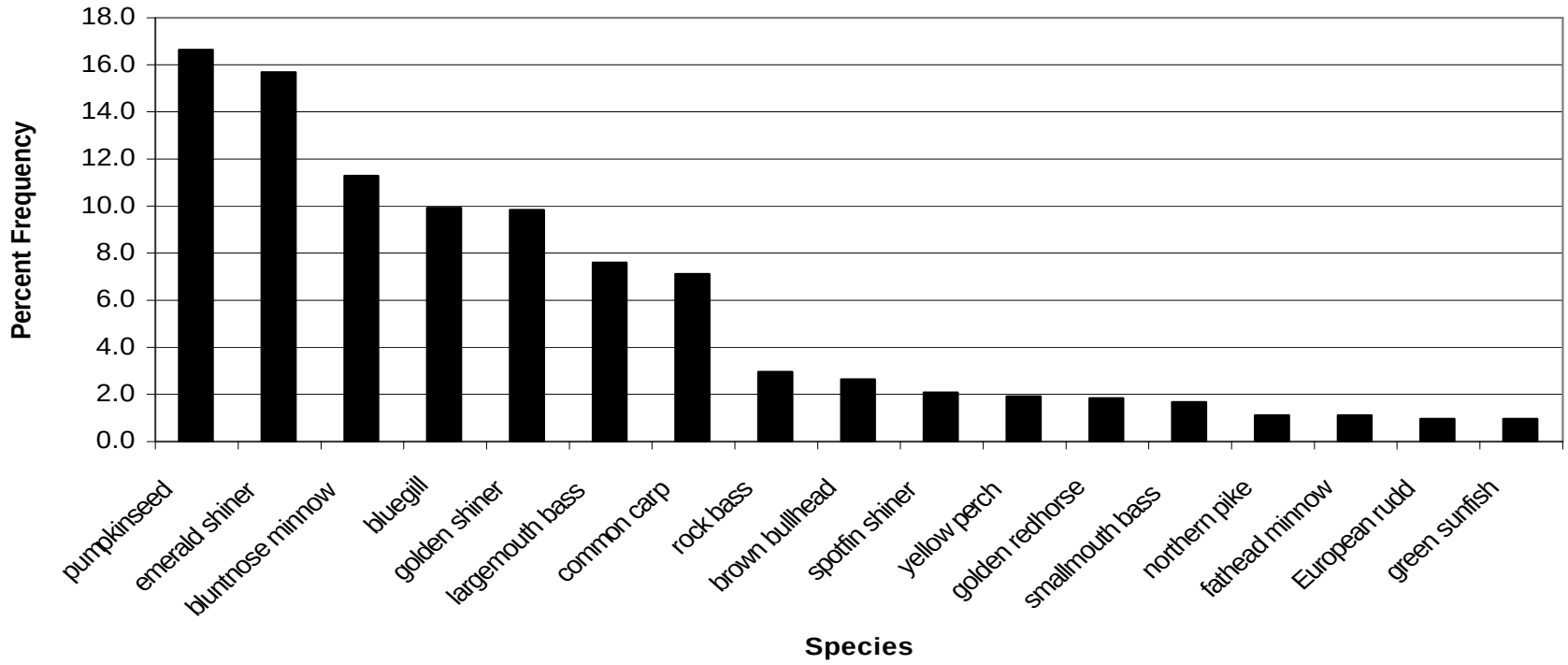


Figure 6. Fish >1% in abundance in lower Johnson Creek near historical locations of longear sunfish.

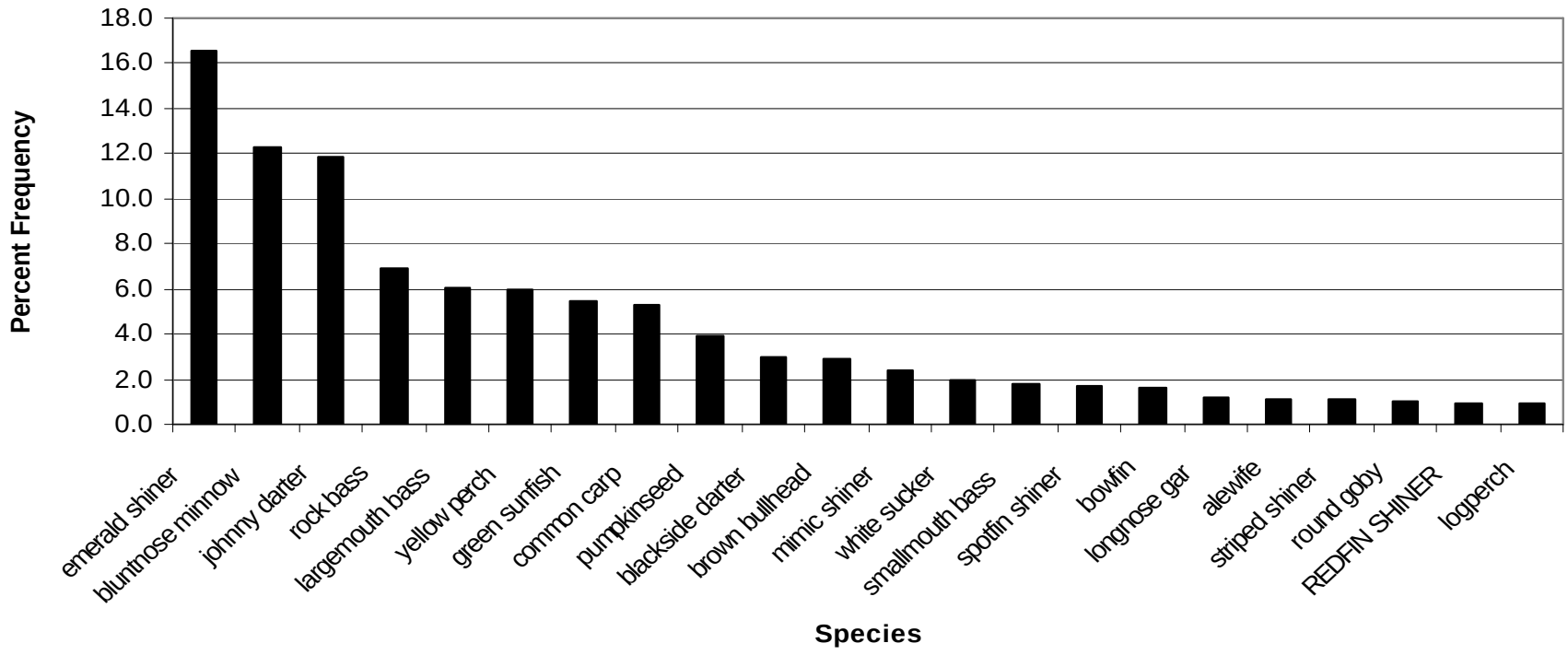
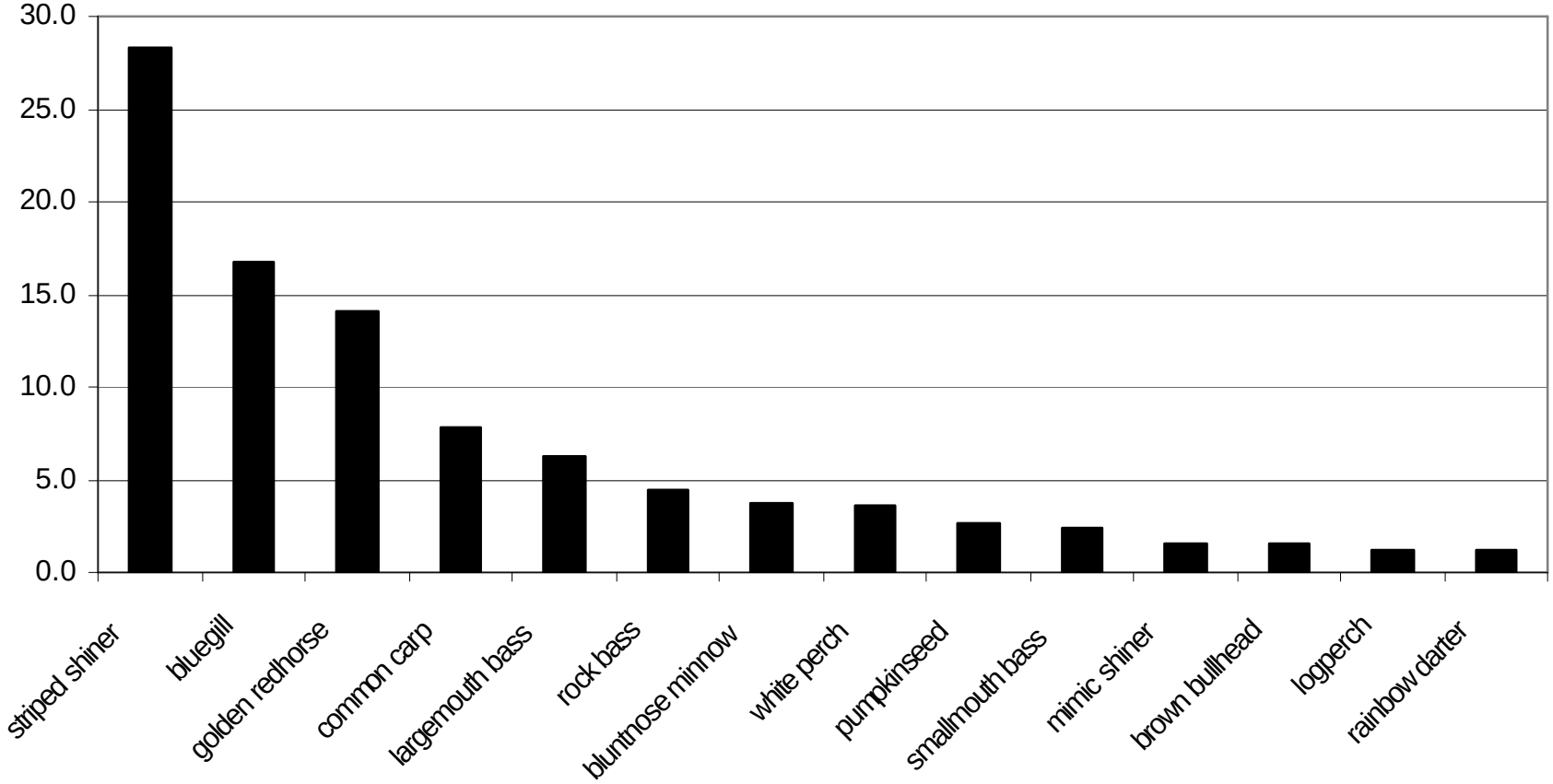
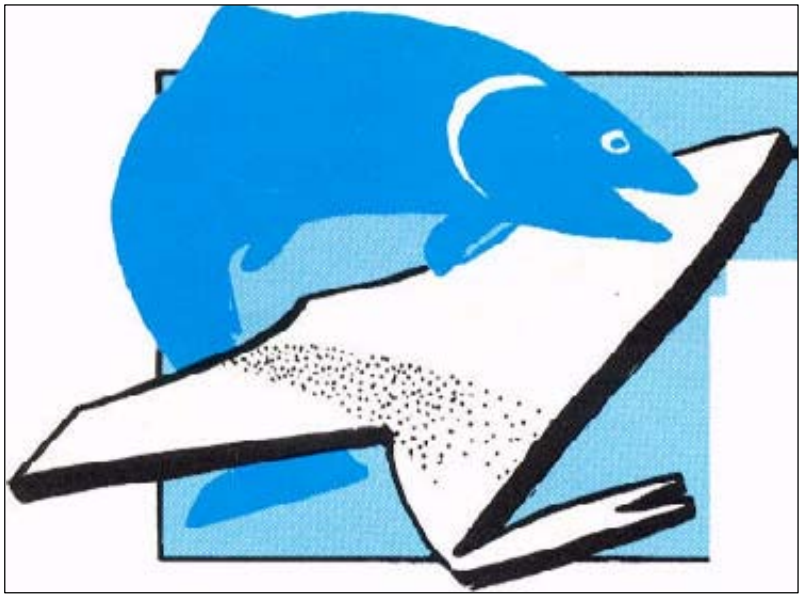


Figure 7. Fish >1% in abundance in the Oak Orchard watershed near historical locations of longear sunfish.





Final revision completed on 5-18-07 .