

TH & JC

Site name							Date
YMR 240	Merrill @ Sonerton						9/3/17

Groups/ pages	Names	raw count	1-2	3-5	6-10	11-20	>20	SIGNAL 2
1. Miscellaneous								
12	Phylum Nematomorpha, (gordian worms)							5
12	Phylum Nematoda, (roundworms)							1
12	Phylum Annelida, class Hirudinea, (leeches)	1						1
13	Phylum Annelida, class Oligochaeta, (worms)							1
13	Phylum Turbellaria, (flatworms)							1
13	Order Araneae (fishing and wolf spiders)							5
14	Order Acarina, (water mites)	1						5
14	Order Megaloptera, Family Corydalidae (toe-biters)							10
14	Order Neuroptera (lacewings)							8
2. freshwater snails and mussels (Mollusca)								
15	Family Hyriidae (freshwater mussels)							5
16	Family Ancyliidae (freshwater limpets)							4
16	Family Sphaeriidae and Family Corbiculidae (basket and pea shells)							4
17	Family Planorbidae, various genera (flat snails)							6
18	Family Hydrobiidae - <i>Potamopyrgus antipodarum</i> (species)							1
19	Family Lymnaeidae (limn. snails)							1
20	Family Physidae, Species <i>Physa acuta</i>	5						1
20	Family Planorbidae, various genera (planorbids)							2
21	Family Pomatiopsidae, Genus <i>Coxiella</i>							2
21	Family Hydrobiidae, Genus <i>Beddomeia</i>							8
21	Family Viviparidae, Genus <i>Notopala</i>							7
3. Crustaceans (Crustacea)								
23	Family Parastacidae (freshwater crayfish or yabbies)							4
24	Family Palaemonidae, Genus <i>Macrobrachium</i> (freshwater prawn)							4
24	Family Atyidae (glass shrimp)	100						4
25	Family Hymenosomatidae (five cent crab, false spider crab)							3
26	Order Isopoda, Family Phraetoicidae, (phraetoicids, cow shrimp)							4
27	Order Amphipoda (scuds, sideswimmers)	6						3
27	Order Isopoda, Family Janiridae (water slaters)							3
28	Order Anostraca (fairy shrimp and introduced sea monkeys)							1
29	Order Notostraca (shield shrimp, tadpole shrimp)							1
29	Order Conchostraca (clam shrimp)							1
4a. Adult Beetles (Coleoptera)								
31	Family Curculionidae (weevils)							2
32	Family Elmidae (riffle beetles)							7
33	Families Hydraenidae and Hydrochidae (crawling water beetle)							3.5
33	Family Hydrophilidae, Genus <i>Helochares</i>							2
34	Family Gyrinidae (whirligig beetles)	8						4
35	Family Hygrobiidae, Genus <i>Hygrobia</i> (screech beetles)							1
35	Family Hydrophilidae (water scavenger beetles)	6						2
36	Family Dytiscidae, Genus <i>Australphilus</i>							7
36	Family Dytiscidae, Genus <i>Carabhydrus</i> (waisted diving beetle)							7
36	Family Dytiscidae, various genera (little diving beetles)							1
37	Family Dytiscidae, various genera (mixed diving beetles)							1
37	Family Dytiscidae, various genera (stealth diving beetles)							1
38	Family Dytiscidae, Genus <i>Lancetes</i>							2
38	Family Dytiscidae, Genus <i>Eretes</i>							1
38	Family Dytiscidae, Genus <i>Rhantus</i>							1
39	Family Dytiscidae, Genus <i>Hyderodes</i>							2
39	Family Dytiscidae, Genus <i>Spencerhydrus</i>							5
39	Family Dytiscidae, Genus <i>Onychohydus</i>							5

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4b. Beetle Larvae (Coleoptera)								
41	Family Psephenidae, Genus <i>Sclerocyphon</i> (water pennies)							6
42	Family Scirtidae (marsh beetles)							6
42	Family Elmidae (riffle beetles)							7
42	Family Ptilodactylidae, Genus, <i>Byrrhocryptus</i> (ptilodactylids)							10
43	Family Gyrinidae (whirligig beetles)							4
44	Family Hydrophilidae Genus <i>Berosus</i> (water scavenger beetles)							2
44	Family Hydrophilidae Genus <i>Hydrophilus</i> (Ugly Bob)							2
45	Family Dytiscidae, (taper-tailed tigers)							2
45	Family Dytiscidae, (two-tailed tigers)							2
46	Family Dytiscidae, (nosey tigers)							2
47	Family Dytiscidae, (crawling water tigers)							2
47	Family Dytiscidae, (swimming water tigers)							2
48	Family Hygrobiidae, Genus <i>Hygrobia</i> (screech beetles)							1
48	Family Halplidae, Genus <i>Halplius</i> (tortoise beetle larvae)							4
5. True Fly Larvae								
50	Family Blephariceridae (bleffs)							10
51	Family Athericidae (tasselled maggots)							8
51	Families Tabanidae, Dolichopodidae, Empididae some Tipulidae							4
52	Family Simuliidae (black fly larvae)							5
53	Family Chironomidae, several genera (blood worms)							1
53	Family Ceratopogonidae (pogs)							4
54	Family Chironomidae (chironomids)							3
54	Family Tipulidae (crane fly larvae)							5
55	Family Stratiomyidae (soldier fly larvae)							2
55	Family Psychodidae (moth fly larvae)							3
56	Family Dixidae ('U' bent midges)							7
56	Family Culicidae (mosquito larvae, wrigglers)							1
57	Family Syrphidae (rat tailed maggot)							1
57	Family Ephydriidae and Sciomyzidae (wetland maggots)							2
58	Family Chironomidae, Genus <i>Symbiocladus</i> (backpack midge)							8
58	Family Chaoboridae (phantom midges)							2
6. Mayflies (Ephemeroptera)								
60	Family Caenidae (caenids)							4
60	Family Oniscigastridae, Genus <i>Tasmanophlebia</i> (oniscigastrids)							8
61	Family Coloburiscidae, Genus <i>Coloburiscoides</i> (stream horses)							8
61	Family Ameletopsidae, Genus <i>Mirawara</i>							7
62	Family Siphonuridae (siphonurids)							3
63	Family Baetidae (baetids)							5
64	Family Leptophlebiidae, Genus <i>Atalophlebia</i>							5
64	Family Leptophlebiidae, Genus <i>Jappa</i>							8
65	Family Leptophlebiidae (leptophlebs) various genera							8

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7. True Bugs (Hemiptera)								
67	Family Hydrometridae (water measurers)							3
68	Family Gerridae (water striders)							4
68	Families Veliidae/ Mesoveliidae/ Hebridae (water treaders)							3
69	Family Gelastocoridae (toad bugs)							5
70	Family Nepidae, Genus <i>Ranatra</i> (slender water scorpions/stick bug)							3
70	Family Nepidae, Genus <i>Laccotrephes</i> (leafy water scorpions)	2						3
71	Family Pleidae (pygmy backswimmers)							2
72	Family Notonectidae, Genus <i>Enithares</i> (robust backswimmers)	1						1
72	Family Notonectidae, Genus <i>Anisops</i> (slender backswimmers)							1
73	Family Naucoridae, Genus <i>Naucoris</i> (creeping water bugs)							2
73	Family Belostomatidae, Genus <i>Diplonychus</i> (giant water bugs)							2
75	Family Corixidae, Genus <i>Sigara</i> (striped boatman)							3
75	Family Corixidae, Genus <i>Micronecta</i> (little brindle boatman)	10						2
76	Family Corixidae, Species <i>Diaprepocoris</i> (Barry four-eyes)							6
76	Family Corixidae genus <i>Agraptocorixa</i> (static boatmen)							6
8. Dragonflies and Damselflies (Odonata)								
78	Family Megapodagrionidae							5
78	Family Synlestidae							3
79	Family Isostictidae							3
79	Family Diphlebiidae							2
80	Family Lestidae and Family Coenagrionidae	4						2
81	various families (spider mud eye)							5
81	Family Gomphidae (gomphids)							5
82	Family Telephlebiidae (teleflebs)							9
82	Family Aeshnidae (cousta mud eye)	2						5
9. Stoneflies (Plecoptera)								
84	Family Eustheniidae (U sthenids)							10
85	Family Austroperlidae, Species <i>Acruroperla atra</i>							10
85	Family Austroperlidae, all other species							10
86	Family Notonemouridae (noto nemoor ids)							6
87	Family Gripopterygidae, various genera (hairy sprawler)							10
87	Family Gripopterygidae, Genus <i>Illiesoperla</i> (blond sprawler)							10
88	Family Gripopterygidae, Genus <i>Riekoperla</i> (spiky reek o perla)							8
88	Family Gripopterygidae, various genera (gripops or fluffy bums)							7
10. Caddis Fly Larvae (Trichoptera)								
90	Family Hydropsychidae (net spinning caddis)							6
91	Family Ecnomidae, Genus <i>Ecnomus</i> (bandit caddis)							4
92	Family Hydrobiosidae (hunter caddis)							8
92	Families Philopotamidae / Polycentropodidae Ecnomidae (ginger nuts)							7.5
93	Family Hydroptilidae (micro caddis)							4
94	Family Atriplectididae, Genus <i>Atriplectides</i> (vulture caddis)							3
94	Family Glossosomatidae, Genus <i>Agapetus</i> (igloo caddis)							9
95	Family Helicopsychidae, Genus <i>Helicopsyche</i> (snail caddis)							8
96	Family Tasimiidae (tasimiids)							8
96	Family Philorheithridae (attack caddis - highlander)							8
96	Family Leptoceridae, Genus <i>Oecetis</i> (attack caddis - lowlander)							6
97	Family Calamoceratidae, <i>Anisocentropus</i> (sleeping bag caddis)	2						7
98	Family Calocidae, Species <i>Caenota plicata</i> (shingle caddis)							9
98	Family Leptoceridae, Species <i>Lectrides varians</i> (flat shack caddis)							4
99	Families Conoesucidae/ Calocidae/ Helicophidae (bullet caddis)							7
99	Family Leptoceridae Unidentified, various genera.	3						6
100	Family Leptoceridae, Genus <i>Triplectides</i> (stick caddis)	3						4
100	Family Leptoceridae, Genus <i>Oecetis</i> (log cabin caddis)							5
101	Family Leptoceridae, Genus <i>Symphitoneuria</i> (dart caddis)							6
101	Family Leptoceridae, Genus <i>Notalina</i> (Headbanger caddis)	1						6

ALT HABITAT SHEET

SITE (River and Location): ME-YMR240 Mem' Crk, Sorensen Rd

DATE: 9/3/17 at 10-10:30 am

COLLECTOR: TH & JC

SAMPLE:

FLOWING WATER HABITATS (use for rivers)		0% - 100 % (in 10% increments)
BOULDER, COBBLE, COARSE SUBSTRATE	40	
GRAVEL	0	
SAND/SILT DEPOSITIONAL AREAS	20	on edge
LEAF PACKS	0 0	
WOOD, SNAGS	10 0	
AQUATIC PLANTS	30	

STILLWATER HABITATS (use for wetlands/billabongs)	
OPEN WATER	
EDGE PLANTS, REEDS, RUSHES	
WATER PLANTS	
WOOD, SNAGS	
BARE AREAS, SILT, SAND, MUD	

WEATHER CONDITIONS (Tick - ✓)	FINE	BAD	REALLY BAD
	✓		Go home!
sample processed undercover? (circle)	mid breeze Y	N	
LIGHT CONDITIONS (Tick - ✓)	GOOD	PART SHADE	HEAVY SHADE
	✓		

Associated Photos (Site/Habitat):

Yes of reach of access

Associated Photos (Unknown waterbugs/QAQC):

NOTES:

Safety issues for access - refer to Site Safety checklist