

Macroinvertebrate Stream Analysis Summary - Collapsed

Program: LW

Sample ID: 2009080020102

Total Species: 17

Location: LWO B

Date Analysis Complete: 3/1/2010

Total # Individuals: 132

Sample Date: 8/10/2009

No of Aliquot Used: 2.25 out of 72

SamplingMethod: DframeNet-SCI

Method Reference: FDEP Field SOPs 7000, LT7000

E/P/T Ratio: 36.4%

Biotic Index Summary

Class 1 # of Species:	3	17.6%	Class 1 # of Individuals:	7	5.3%
Class 2 # of Species:	2	11.8%	Class 2 # of Individuals:	26	19.7%
Class 3 # of Species:	2	11.8%	Class 3 # of Individuals:	16	12.1%
Class 5 # of Species:	10	58.8%	Class 5 # of Individuals:	83	62.9%

Taxa Summary

Class HIRUDINEA:	4	3.0%	Order TRICHOPTERA:	33	25.0%	Family VIVIPARIDAE:	2	1.5%
Class HEXAPODA:	77	58.3%	Order RHYNCHOBDELLIDA:	4	3.0%	Family TALITRIDAE:	45	34.1%
Class GASTROPODA:	6	4.5%	Order ODONATA:	1	0.8%	Family POLYCENTROPODIDAE:	2	1.5%
Class CRUSTACEA:	45	34.1%	Order NEOTAENIOGLOSSA:	4	3.0%	Family HYDROPTILIDAE:	6	4.5%
			Order EPHEMEROPTERA:	15	11.4%	Family HYDROPSYCHIDAE:	25	18.9%
			Order DIPTERA:	28	21.2%	Family HYDROBIIDAE:	4	3.0%
			Order ARCHITAENIOGLOSSA:	2	1.5%	Family GLOSSIPHONIIDAE:	4	3.0%
			Order AMPHIPODA:	45	34.1%	Family COENAGRIONIDAE:	1	0.8%
						Family CHIRONOMIDAE:	28	21.2%
						Family CAENIDAE:	15	11.4%

Functional Feeding Groups

Shredder:	16	12.1%
Scraper:	6	4.5%
Predator:	7	5.3%
Piercer:	6	4.5%
Gatherer:	70	53.0%
Filterer:	27	20.5%

Sensitivity Level

Very Tolerant:	12	9.1%
Sensitive:	15	11.4%
N/A:	105	79.5%

Life Cycle

N/A: 132 100.0%

Habit

Sprawler:	20	15.2%
N/A:	55	41.7%
Clinger:	51	38.6%
Climbers:	1	0.8%
Burrowers:	5	3.8%

Metric Summary

	Raw Data	Score		Raw Data	Score
SCI % Very Tolerant:	9	4.4	SCI Sensitive Taxa:	15	10.0
SCI % Tanytarsini:	2	3.3	SCI % Dominance:	34	4.5
SCI Clinger Taxa:	5	6.3	SCI Long-Lived Taxa:	0	0.0
SCI % Filterer:	20	4.9	SCI Trichoptera Taxa:	3	4.3
SCI Ephemeroptera Taxa:	1	2.0	SCI Total Taxa:	17	0.4

* Standing Crop only valid for MHD and PDredge Sampling Methods.

Macroinvertebrate Stream Bench Sheet - Collapsed

Program: LW
Location: LWO B
Sample Date: 8/10/2009
Sampling Method: DframeNet-SCI

Sample ID: 2009080020102
Date Analysis Complete: 3/1/2010
No of Aliquot Used: 2.25 out of 72
Method Reference: FDEP Field SOPs 7000, LT7000

(1) **(2)**
Taxomist: EFJ RR
Sort Tech: EFJ LD
Mount Tech: EFJ
Collected By: city of Orlando:
 ll,cw,efj
Metric: Poor

Phylum	Class	Order	Family	Sub Family	Genus Species	BI	Tally
ANNELIDA	HIRUDINEA	RHYNCHOBDELLIDA	GLOSSIPHONIIDAE	Z/A	Helobdella sp.	5	4
ARTHROPODA	CRUSTACEA	AMPHIPODA	TALITRIDAE	Z/A	Hyalella sp. cf. faxoni	5	45
ARTHROPODA	HEXAPODA	DIPTERA	CHIRONOMIDAE	C - CHIRONOMINI	Asheum beackae*	5	1
ARTHROPODA	HEXAPODA	DIPTERA	CHIRONOMIDAE	C - CHIRONOMINI	Dicrotendipes neomodestus	5	3
ARTHROPODA	HEXAPODA	DIPTERA	CHIRONOMIDAE	C - CHIRONOMINI	Glyptotendipes sp. B	3	1
ARTHROPODA	HEXAPODA	DIPTERA	CHIRONOMIDAE	C - CHIRONOMINI	Polypedilum flavum	5	15
ARTHROPODA	HEXAPODA	DIPTERA	CHIRONOMIDAE	C - TANYTARSINI	Rheotanytarsus exiguus grp.	1	3
ARTHROPODA	HEXAPODA	DIPTERA	CHIRONOMIDAE	ORTHOCLADIINAE	Thienemanniella sp.	1	3
ARTHROPODA	HEXAPODA	DIPTERA	CHIRONOMIDAE	TANYPODINAE	Ablabesmyia rhapshe grp.	2	1
ARTHROPODA	HEXAPODA	DIPTERA	CHIRONOMIDAE	TANYPODINAE	Pentaneura inconspicua	1	1
ARTHROPODA	HEXAPODA	EPHEMEROPTERA	CAENIDAE	Z/A	Caenis sp.	3	15
ARTHROPODA	HEXAPODA	ODONATA	COENAGRIONIDAE	Z/A	Enallagma sp.	5	1
ARTHROPODA	HEXAPODA	TRICHOPTERA	HYDROPSYCHIDAE	Z/A	Cheumatopsyche sp.	2	25
ARTHROPODA	HEXAPODA	TRICHOPTERA	HYDROPTILIDAE	Z/A	Orthotrichia sp.	5	6
ARTHROPODA	HEXAPODA	TRICHOPTERA	POLYCENTROPODIDAE	Z/A	Cyrnellus fraternus	5	2
MOLLUSCA	GASTROPODA	ARCHITAENIOGLOSSA	VIVIPARIDAE	VIVIPARINAE	Viviparus sp.	5	2
MOLLUSCA	GASTROPODA	NEOTAENIOGLOSSA	HYDROBIIDAE	LITTORIDININAE	Pyrgophorus platyrachis	5	4

Sample ID: 2009080020102			
SCI Score	45		F
# EPT Taxa	4		F
SW Diversity Index	3.028		F
HI Score	6		F
Total # Species	17		F