Appendix I

Benthic Macroinvertebrate Data
Summer 2006

Terrebonne Basin 2006
EcoAnalysts, Inc.
Data are NOT adjusted for subsampling

857-1 Terrebonne Basin 2006 C-11 Trawl

TAXON	COUNT
Panopeus herbstii	1
Penaeus seiferus	3
Lolliguncula brevis	1
Crassostrea virginica	4
Ischadium recurvum	1
Balanomorpha	10

857-2 Terrebonne Basin 2006 C-12 Trawl

TAXON	COUNT
Penaeus setiferus	4
Lolliguncula brevis	2
Crassostrea virginica	2
Penaeus aztecus	1
Callinectes sapidus	1
Panopeus herbstii	1

Terrebonne Basin 2006
EcoAnalysts, Inc.
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(Ostracods removed from data)

	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-11**	**C-11**	**C-12**	**C-12**	**C-13**	**C-13**	**C-14**	**C-14**
	Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**
	Date	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-09-2006**	**08-08-2006**	**08-08-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Ephemeroptera	Caenis diminuta	0	0	0	0	0	0	0	0
	Caenis sp.	0	0	0	0	0	0	0	0
	Callibaetis sp.	0	0	0	0	0	0	0	0
	Ephemeroptera	0	0	0	0	0	0	0	0
	Hexagenia sp.	0	0	0	0	0	0	0	0
	Stenacron interpunctatum	0	0	0	0	0	0	0	0
Odonata	Coenagrion/Enallagma sp.	0	0	0	0	0	0	0	0
	Coenagrionidae	0	0	0	0	0	0	0	0
	Enallagma sp.	0	0	0	0	0	0	0	0
	Erythemis simplicicollis	0	0	0	0	0	0	0	0
	Gomphidae	0	0	0	0	0	0	0	0
	Libellulidae	0	0	0	0	0	0	0	0
Ephemeroptera	Campsurus decoloratus	0	0	0	0	0	0	0	0
Hemiptera	Belostoma sp.	0	0	0	0	0	0	0	0
	Belostomatidae	0	0	0	0	0	0	0	0
	Corisella sp.	0	0	0	0	0	0	0	0
	Corixidae	0	0	0	0	0	0	0	0
	Naucoridae	0	0	0	0	0	0	0	0
	Pelocoris sp.	0	0	0	0	0	0	0	0
	Ranatra sp.	0	0	0	0	0	0	0	0
Coleoptera	Berosus sp.	0	0	0	0	0	0	0	0
	Desmopachria sp.	0	0	0	0	0	0	0	0
	Dubiraphia sp.	0	0	0	0	0	0	0	0
	Hydraena sp.	0	0	0	0	0	0	0	0
	Hydrocanthus sp.	0	0	0	0	0	0	0	0
	Hydrochus sp.	0	0	0	0	0	0	0	0
	Hydrophilidae	0	0	0	0	0	0	0	0
	Noteridae	0	0	0	0	0	0	0	0
	Peltodytes sp.	0	0	0	0	0	0	0	0
	Suphis sp.	0	0	0	0	0	0	0	0
	Suphisellus sp.	0	0	0	0	0	0	0	0
	Tropisternus sp.	0	0	0	0	0	0	0	0
Diptera-Chironomidae	Ablabesmyia annulata	0	0	0	0	0	0	0	0
	Ablabesmyia peleensis	0	0	0	0	0	0	0	0
	Ablabesmyia rhamphe gr.	0	0	0	0	0	0	0	0
	Chironomini	0	0	0	0	0	0	0	0
	Chironomus sp.	0	0	0	0	0	0	0	1
	Cladopelma sp.	0	0	0	0	0	0	0	0
	Cladotanytarsus sp.	0	0	0	0	0	0	0	0
	Clinotanypus sp.	0	0	0	0	0	0	0	0
	Coelotanypus sp.	0	0	0	0	0	0	0	0
	Cryptochironomus sp.	0	0	0	0	0	0	0	0
	Dicrotendipes lobus	0	0	0	0	1	0	7	0
	Dicrotendipes lucifer	0	0	0	0	0	0	0	0
	Dicrotendipes simpsoni	0	0	0	0	0	0	0	0

Terrebonne Basin 2006
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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-11**	**C-11**	**C-12**	**C-12**	**C-13**	**C-13**	**C-14**	**C-14**
	Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**
	Date	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-09-2006**	**08-08-2006**	**08-08-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
	Dicrotendipes sp.	0	0	0	0	0	0	0	0
	Einfeldia sp.	0	0	0	0	0	0	0	0
	Endochironomus sp.	0	0	0	0	0	0	0	0
	Endotribelos sp.	0	0	0	0	0	0	0	0
	Glyptotendipes sp.	0	0	0	0	0	0	0	0
	Goeldichironomus sp.	0	0	0	0	0	0	0	0
	Labrundinia sp.	0	0	0	0	0	0	0	0
	Larsia sp.	0	0	0	0	0	0	0	0
	Monopelopia sp.	0	0	0	0	0	0	0	0
	Nanocladius sp.	0	0	0	0	0	0	0	0
	Parachironomus sp.	0	0	0	0	0	0	0	0
	Polypedilum fallax gr.	0	0	0	0	0	0	0	0
	Polypedilum halterale gr.	0	0	0	0	0	0	0	0
	Polypedilum sp.	0	0	0	0	0	0	0	0
	Polypedilum trigonus	0	0	0	0	0	0	0	0
	Procladius sp.	0	0	0	0	0	0	0	0
	Pseudochironomus sp.	0	0	0	0	0	0	0	0
	Pseudosmittia sp.	0	0	0	0	0	0	2	0
	Tanypus sp.	0	0	0	1	0	6	0	4
	Tanytarsus sp.	0	0	0	0	0	0	0	0
	Xenochironomus xenolabis	0	0	0	0	0	0	0	0
	Zavreliella sp.	0	0	0	0	0	0	0	0
Diptera	Bezzia/Palpomyia sp.	0	0	0	0	0	0	0	0
	Ceratopogoninae	0	0	0	0	0	0	0	0
	Chaoborus sp.	0	0	0	0	0	0	0	0
	Coelopidae	16	0	5	0	3	0	0	0
	Culex sp.	0	0	0	0	0	0	0	0
	Culicidae	0	0	0	0	0	0	0	0
	Dasyhelea sp.	0	0	0	0	0	0	0	0
	Dolichopodidae	0	0	0	0	0	0	0	0
	Hedriodiscus/Odontomyia sp.	0	0	0	0	0	0	0	0
	Odontomyia sp	0	0	0	0	0	0	0	0
	Probezzia sp.	0	0	0	0	0	0	0	0
	Sphaeromias sp.	0	0	0	0	0	0	0	0
	Stratiomyidae	0	0	0	0	0	0	0	0
Trichoptera	Oecetis sp.	0	0	0	0	0	0	0	0
	Orthotrichia sp.	0	0	0	0	0	0	0	0
Lepidoptera	Lepidoptera	0	0	0	0	0	0	0	0
Other Insecta	Climacia sp.	0	0	0	0	0	0	0	0
Gastropoda	Ancylidae	0	0	0	0	0	0	0	0
	Detracia floridana	0	0	0	0	1	0	1	0
	Ferrissia sp.	0	0	0	0	0	0	0	0
	Gastropoda	11	0	4	0	0	0	1	0
	Gyraulus sp.	0	0	0	0	0	0	0	0
	Hydrobiidae	0	0	0	0	94	0	79	1

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	Site	**C-11**	**C-11**	**C-12**	**C-12**	**C-13**	**C-13**	**C-14**	**C-14**
	Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**
	Date	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-09-2006**	**08-08-2006**	**08-08-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
	Laevapex sp.	0	0	0	0	0	0	0	0
	Littorina sp.	0	0	34	7	1	0	1	0
	Micromenetus sp.	0	0	0	0	0	0	0	0
	Neritina sp.	0	0	0	0	1	0	0	0
	Olividae	0	0	0	1	0	0	0	0
	Physa sp.	0	0	0	0	0	0	0	0
	Planorbidae	0	0	0	0	0	0	0	0
	Pseudosuccinea columella	0	0	0	0	0	0	0	0
Bivalvia	Anodonta imbecillis	0	0	0	0	0	0	0	0
	Bivalvia	15	0	0	7	3	0	0	0
	Dreissena polymorpha	0	0	0	0	0	0	0	0
	Eupera cubensis	0	0	0	0	0	0	0	0
	Musculium transversum	0	0	0	0	0	0	0	0
	Sphaeriidae	0	0	0	0	0	0	0	0
	Unionidae	0	0	0	0	0	0	0	0
Annelida	Actinobdella sp.	0	0	0	0	0	0	0	0
	Aulodrilus pigueti	0	0	0	0	0	0	0	0
	Bratislavia unidentata	0	0	0	0	0	0	0	0
	Chaetogaster sp.	0	0	0	0	0	0	0	0
	Dero furcata	0	0	0	0	0	0	0	0
	Dero sp.	0	0	0	0	0	0	0	0
	Dorvilleidae	0	0	0	2	0	0	0	0
	Enchytraeidae	6	0	13	14	6	0	11	0
	Glossiphoniidae	0	0	0	0	0	0	0	0
	Glyceridae	0	0	0	1	0	0	0	0
	Helobdella elongata	0	0	0	0	0	0	0	0
	Helobdella stagnalis	0	0	0	0	0	0	0	0
	Hirudinea	0	0	0	0	0	0	0	0
	Limnodrilus cervix	0	0	0	0	0	0	0	0
	Limnodrilus hoffmeisteri	0	0	0	0	0	0	0	0
	Lumbricina	0	0	0	0	0	0	0	0
	Lumbriculidae	0	0	1	4	0	0	0	0
	Nais pardalis	0	0	0	0	0	0	0	0
	Nais sp.	0	0	0	1	0	0	0	0
	Nais variabilis	0	0	0	0	0	0	0	0
	Nereididae	0	0	1	0	0	0	0	0
	Polychaeta	3	0	0	5	4	3	0	0
	Pristina leidyi	0	0	0	0	0	0	0	0
	Pristina osborni	0	0	0	0	0	0	0	0
	Pristina sp.	0	0	0	0	0	0	0	0
	Rhyacodrilus sp.	0	0	0	0	0	0	0	0
	Tubificidae w/ cap setae	0	0	0	0	0	0	0	0
	Tubificidae w/o cap setae	1	0	1	3	0	2	2	0
Acari	Acari	1	0	0	0	3	0	0	0
	Arrenurus sp.	0	0	0	0	0	0	0	0

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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-11**	**C-11**	**C-12**	**C-12**	**C-13**	**C-13**	**C-14**	**C-14**
	Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**
	Date	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-09-2006**	**08-08-2006**	**08-08-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
	Hydrachna sp.	0	0	0	0	0	0	0	0
	Limnesia sp.	0	0	0	0	0	0	0	0
	Mideopsis sp.	0	0	0	0	0	0	0	0
	Neumania sp.	0	0	0	0	0	0	0	0
	Oribatei	0	0	0	0	0	0	0	0
	Sperchon sp.	0	0	0	0	0	0	0	0
	Unionicola sp.	0	0	0	0	0	0	0	0
Crustacea	Americamysis bahia	8	0	4	1	0	0	0	0
	Ampelisca sp.	0	3	0	0	0	0	0	0
	Amphipoda	0	0	1	0	0	0	0	0
	Apocorophium louisianum	22	0	0	0	2	0	4	0
	Balanomorpha	3	0	0	0	0	0	0	0
	Brachyura	4	0	7	0	0	0	2	0
	Cambaridae	0	0	0	0	0	0	0	0
	Caridea	0	0	0	0	0	0	0	0
	Cerapus cudjoe	0	1	0	0	0	0	0	0
	Cumacea	0	0	0	2	0	0	0	0
	Decapoda	1	0	1	0	0	0	0	0
	Gammarus sp.	0	0	0	0	0	0	7	0
	Grapsidae	0	0	4	0	0	0	0	0
	Hargeria rapax	19	0	0	0	0	0	0	0
	Hyalella sp.	0	0	0	0	0	0	0	0
	Leptocheliidae	0	1	0	0	2	0	0	0
	Lirceus sp.	0	0	0	0	0	0	0	0
	Melita sp.	0	0	0	0	1	0	0	0
	Palaemonetes kadiakensis	0	0	0	0	0	0	0	0
	Palaemonetes pugio	23	0	0	0	121	0	17	1
	Palaemonetes sp.	0	0	2	1	0	0	0	0
	Penaeidae	2	0	0	0	0	0	0	0
	Porcellanidae	0	0	1	0	0	0	0	0
	Portunidae	5	0	1	1	12	0	0	0
	Probopyrus sp.	0	0	0	0	1	0	0	0
	Sesarma sp.	0	0	0	0	0	0	0	0
	Sessilia	0	0	1	0	0	0	0	0
	Sphaeroma sp.	6	0	0	0	25	0	16	0
	Talitridae	0	0	0	0	4	0	2	0
	Uca sp.	0	0	3	0	0	0	0	0
Other Organisms	Hydra sp.	0	0	0	0	0	0	0	0
	Nematoda	1	0	0	1	0	0	0	0
	Ophiuroidea	0	0	2	3	0	0	0	0
	Turbellaria	0	0	0	0	0	0	0	0
		147	**5**	**86**	**55**	**285**	**11**	**152**	**7**

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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-15**	**C-15**	**C-6**	**C-6**	**C-7**	**C-7**	**C-8**
	Rep	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**
	Date	**08-08-2006**	**08-08-2006**	**08-02-2006**	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-02-2006**
	Percent Subsampled	**100.00**	**100.00**	**6.25**	**100.00**	**5.95**	**100.00**	**1.49**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
	EcoAnalysts Sample ID	**11**	**12**	**13**	**14**	**15**	**16**	**17**
Ephemeroptera	Caenis diminuta	0	0	26	0	4	11	2
	Caenis sp.	0	0	0	3	0	0	0
	Callibaetis sp.	0	0	1	0	0	0	0
	Ephemeroptera	0	0	0	0	0	0	0
	Hexagenia sp.	0	0	0	0	0	0	0
	Stenacron interpunctatum	0	0	0	0	0	0	0
Odonata	Coenagrion/Enallagma sp.	0	0	0	0	3	0	0
	Coenagrionidae	0	0	9	3	0	5	0
	Enallagma sp.	0	0	0	0	0	0	0
	Erythemis simplicicollis	0	0	0	0	4	0	0
	Gomphidae	0	0	0	0	0	0	0
	Libellulidae	0	0	1	0	0	0	0
Ephemeroptera	Campsurus decoloratus	0	0	0	0	0	0	0
Hemiptera	Belostoma sp.	0	0	0	0	1	0	1
	Belostomatidae	0	0	0	0	0	1	0
	Corisella sp.	0	0	0	0	0	0	0
	Corixidae	1	0	0	0	0	1	0
	Naucoridae	0	0	1	0	0	0	0
	Pelocoris sp.	0	0	0	0	2	3	0
	Ranatra sp.	0	0	0	0	0	0	0
Coleoptera	Berosus sp.	0	0	0	0	0	0	0
	Desmopachria sp.	0	0	0	0	0	0	0
	Dubiraphia sp.	0	0	0	0	0	0	0
	Hydraena sp.	0	0	0	0	0	0	0
	Hydrocanthus sp.	0	0	0	0	0	1	0
	Hydrochus sp.	0	0	0	0	0	0	0
	Hydrophilidae	0	0	0	0	0	0	0
	Noteridae	0	0	0	0	0	1	0
	Peltodytes sp.	0	0	4	0	0	0	0
	Suphis sp.	0	0	0	0	1	0	0
	Suphisellus sp.	0	0	1	0	0	0	0
	Tropisternus sp.	0	0	0	0	1	1	0
Diptera-Chironomidae	Ablabesmyia annulata	0	0	0	0	0	0	0
	Ablabesmyia peleensis	0	0	1	0	0	0	0
	Ablabesmyia rhamphe gr.	0	0	0	0	0	0	0
	Chironomini	0	0	0	0	0	0	0
	Chironomus sp.	0	0	0	0	0	0	0
	Cladopelma sp.	0	0	0	0	0	1	0
	Cladotanytarsus sp.	0	0	0	0	0	0	0
	Clinotanypus sp.	0	0	0	0	0	0	0
	Coelotanypus sp.	0	0	0	0	0	39	0
	Cryptochironomus sp.	0	0	0	0	0	0	0
	Dicrotendipes lobus	3	0	0	0	0	0	0
	Dicrotendipes lucifer	0	0	0	0	0	0	0
	Dicrotendipes simpsoni	0	0	1	0	0	0	0

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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-15**	**C-15**	**C-6**	**C-6**	**C-7**	**C-7**	**C-8**
	Rep	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**
	Date	**08-08-2006**	**08-08-2006**	**08-02-2006**	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-02-2006**
	Percent Subsampled	**100.00**	**100.00**	**6.25**	**100.00**	**5.95**	**100.00**	**1.49**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
	EcoAnalysts Sample ID	**11**	**12**	**13**	**14**	**15**	**16**	**17**
	Dicrotendipes sp.	0	0	13	0	0	0	0
	Einfeldia sp.	0	0	3	0	0	0	0
	Endochironomus sp.	0	0	0	0	0	0	0
	Endotribelos sp.	0	0	0	0	0	0	0
	Glyptotendipes sp.	0	0	12	0	30	110	175
	Goeldichironomus sp.	0	0	0	0	0	3	0
	Labrundinia sp.	0	0	6	0	6	0	0
	Larsia sp.	0	0	10	0	0	0	0
	Monopelopia sp.	0	0	0	0	11	4	7
	Nanocladius sp.	0	0	2	0	0	0	0
	Parachironomus sp.	0	0	37	0	39	7	9
	Polypedilum fallax gr.	0	0	0	0	0	0	0
	Polypedilum halterale gr.	0	0	0	0	0	0	0
	Polypedilum sp.	0	0	1	0	0	0	0
	Polypedilum trigonus	0	0	4	0	0	0	0
	Procladius sp.	0	0	0	0	0	0	0
	Pseudochironomus sp.	0	0	0	0	0	0	0
	Pseudosmittia sp.	0	0	0	0	0	0	0
	Tanypus sp.	0	0	1	0	0	0	0
	Tanytarsus sp.	0	0	3	0	1	1	0
	Xenochironomus xenolabis	0	0	2	0	0	0	0
	Zavreliella sp.	0	0	0	0	0	0	0
Diptera	Bezzia/Palpomyia sp.	0	0	4	1	0	1	0
	Ceratopogoninae	0	0	1	19	0	5	1
	Chaoborus sp.	0	0	0	0	0	0	0
	Coelopidae	12	1	0	0	0	0	0
	Culex sp.	0	0	0	0	0	0	1
	Culicidae	0	0	0	0	0	0	0
	Dasyhelea sp.	0	0	1	0	0	0	0
	Dolichopodidae	0	1	0	0	0	0	0
	Hedriodiscus/Odontomyia sp.	0	0	0	0	0	0	0
	Odontomyia sp	0	0	4	0	0	0	0
	Probezzia sp.	0	0	0	0	0	0	0
	Sphaeromias sp.	0	0	1	34	0	0	0
	Stratiomyidae	0	0	0	0	0	0	0
Trichoptera	Oecetis sp.	0	0	1	0	0	1	0
	Orthotrichia sp.	0	0	2	0	0	0	0
Lepidoptera	Lepidoptera	0	0	0	0	0	0	0
Other Insecta	Climacia sp.	0	0	0	0	0	0	0
Gastropoda	Ancylidae	0	0	0	0	0	0	0
	Detracia floridana	0	0	0	0	0	0	0
	Ferrissia sp.	0	0	11	0	0	0	0
	Gastropoda	0	0	0	0	0	1	0
	Gyraulus sp.	0	0	4	0	0	2	0
	Hydrobiidae	18	0	4	17	2	1	0

Terrebonne Basin 2006
EcoAnalysts, Inc.
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(Ostracods removed from data)

	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-15**	**C-15**	**C-6**	**C-6**	**C-7**	**C-7**	**C-8**
	Rep	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**
	Date	**08-08-2006**	**08-08-2006**	**08-02-2006**	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-02-2006**
	Percent Subsampled	**100.00**	**100.00**	**6.25**	**100.00**	**5.95**	**100.00**	**1.49**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
	EcoAnalysts Sample ID	**11**	**12**	**13**	**14**	**15**	**16**	**17**
	Laevapex sp.	0	0	0	0	2	0	0
	Littorina sp.	3	0	0	0	0	0	0
	Micromenetus sp.	0	0	4	1	0	0	0
	Neritina sp.	0	0	0	0	0	0	0
	Olividae	0	0	0	0	0	0	0
	Physa sp.	0	0	24	3	8	0	0
	Planorbidae	0	0	3	0	2	0	0
	Pseudosuccinea columella	0	0	0	0	1	0	0
Bivalvia	Anodonta imbecillis	0	0	0	0	0	0	0
	Bivalvia	2	0	0	0	0	0	0
	Dreissena polymorpha	0	0	0	0	0	0	0
	Eupera cubensis	0	0	0	0	0	0	0
	Musculium transversum	0	0	0	0	0	0	0
	Sphaeriidae	0	0	0	6	0	3	0
	Unionidae	0	0	0	0	0	0	0
Annelida	Actinobdella sp.	0	0	0	0	0	0	0
	Aulodrilus pigueti	0	0	0	1	0	0	0
	Bratislavia unidentata	0	0	4	0	0	0	0
	Chaetogaster sp.	0	0	1	0	0	0	0
	Dero furcata	0	0	1	0	1	0	0
	Dero sp.	0	0	65	0	14	0	3
	Dorvilleidae	0	0	0	0	0	0	0
	Enchytraeidae	1	0	0	0	0	0	0
	Glossiphoniidae	0	0	0	6	0	8	0
	Glyceridae	0	0	0	0	0	0	0
	Helobdella elongata	0	0	0	0	0	10	0
	Helobdella stagnalis	0	0	0	0	0	0	0
	Hirudinea	0	0	0	0	1	0	0
	Limnodrilus cervix	0	0	0	0	0	0	0
	Limnodrilus hoffmeisteri	0	0	0	0	0	0	0
	Lumbricina	0	0	0	0	0	1	0
	Lumbriculidae	0	0	0	0	0	0	0
	Nais pardalis	0	0	0	0	0	0	0
	Nais sp.	0	0	0	0	0	0	0
	Nais variabilis	0	0	0	0	0	0	0
	Nereididae	0	0	0	0	0	0	0
	Polychaeta	0	0	0	0	0	0	0
	Pristina leidyi	0	0	30	0	0	0	0
	Pristina osborni	0	0	0	0	0	0	0
	Pristina sp.	0	0	0	0	1	0	0
	Rhyacodrilus sp.	0	0	0	0	0	0	0
	Tubificidae w/ cap setae	0	0	0	0	2	0	0
	Tubificidae w/o cap setae	0	0	22	4	0	30	0
Acari	Acari	1	0	0	0	2	4	2
	Arrenurus sp.	0	0	0	0	6	2	0

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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-15**	**C-15**	**C-6**	**C-6**	**C-7**	**C-7**	**C-8**
	Rep	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**
	Date	**08-08-2006**	**08-08-2006**	**08-02-2006**	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-02-2006**
	Percent Subsampled	**100.00**	**100.00**	**6.25**	**100.00**	**5.95**	**100.00**	**1.49**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
	EcoAnalysts Sample ID	**11**	**12**	**13**	**14**	**15**	**16**	**17**
	Hydrachna sp.	0	0	0	0	0	0	0
	Limnesia sp.	0	0	0	0	9	1	0
	Mideopsis sp.	0	0	0	0	0	0	0
	Neumania sp.	0	0	0	0	0	0	0
	Oribatei	0	0	0	0	1	0	0
	Sperchon sp.	0	0	0	0	0	0	0
	Unionicola sp.	0	0	0	0	0	0	0
Crustacea	Americamysis bahia	0	0	0	0	0	0	0
	Ampelisca sp.	2	0	0	0	0	0	0
	Amphipoda	0	0	0	0	0	0	0
	Apocorophium louisianum	0	0	0	0	0	0	0
	Balanomorpha	0	0	0	0	0	0	0
	Brachyura	0	0	0	0	0	0	0
	Cambaridae	0	0	0	0	0	0	0
	Caridea	1	0	0	0	0	0	0
	Cerapus cudjoe	0	0	0	0	0	0	0
	Cumacea	0	0	0	0	0	0	0
	Decapoda	0	0	0	0	0	0	0
	Gammarus sp.	0	0	0	0	0	19	0
	Grapsidae	0	0	0	0	0	0	0
	Hargeria rapax	0	0	0	0	0	0	0
	Hyalella sp.	0	0	4	0	121	89	18
	Leptocheliidae	0	0	0	0	0	0	0
	Lirceus sp.	0	0	0	0	1	0	0
	Melita sp.	0	0	0	0	0	0	0
	Palaemonetes kadiakensis	0	0	3	0	3	4	1
	Palaemonetes pugio	0	0	0	0	0	0	0
	Palaemonetes sp.	0	0	0	0	0	0	0
	Penaeidae	0	0	0	0	0	0	0
	Porcellanidae	0	0	0	0	0	0	0
	Portunidae	1	0	0	0	0	0	0
	Probopyrus sp.	0	0	0	0	0	0	0
	Sesarma sp.	1	0	0	0	0	0	0
	Sessilia	0	0	0	0	0	0	0
	Sphaeroma sp.	1	0	0	0	0	0	0
	Talitridae	2	0	0	0	0	0	0
	Uca sp.	0	0	0	0	0	0	0
Other Organisms	Hydra sp.	0	0	0	0	2	0	0
	Nematoda	0	0	0	0	4	0	0
	Ophiuroidea	0	0	0	0	0	0	0
	Turbellaria	0	0	4	0	23	0	0
		49	**2**	**337**	**98**	**309**	**371**	**220**

Terrebonne Basin 2006
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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-8**	**C-9**	**C-9**	**C-10**	**C-10**	**C-1**	**C-1**
	Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**
	Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**
	Percent Subsampled	**100.00**	**10.42**	**100.00**	**7.14**	**100.00**	**100.00**	**100.00**
	Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Ephemeroptera	Caenis diminuta	3	3	0	18	6	0	1
	Caenis sp.	0	0	0	0	0	1	0
	Callibaetis sp.	0	1	0	3	0	0	0
	Ephemeroptera	0	0	0	0	0	0	0
	Hexagenia sp.	0	0	0	0	0	0	0
	Stenacron interpunctatum	0	0	0	0	0	0	0
Odonata	Coenagrion/Enallagma sp.	0	0	0	0	0	0	0
	Coenagrionidae	0	0	0	9	0	0	0
	Enallagma sp.	0	0	0	0	0	0	0
	Erythemis simplicicollis	0	0	0	1	0	0	0
	Gomphidae	0	0	0	0	0	0	0
	Libellulidae	0	0	0	1	2	1	0
Ephemeroptera	Campsurus decoloratus	0	0	0	0	0	0	0
Hemiptera	Belostoma sp.	0	0	0	0	0	0	0
	Belostomatidae	0	0	0	0	0	0	0
	Corisella sp.	0	17	0	0	0	0	0
	Corixidae	0	0	1	0	0	6	0
	Naucoridae	0	0	0	0	0	0	0
	Pelocoris sp.	0	1	1	4	0	0	0
	Ranatra sp.	0	0	0	0	0	0	0
Coleoptera	Berosus sp.	0	4	0	0	0	1	0
	Desmopachria sp.	0	0	0	1	0	0	0
	Dubiraphia sp.	0	0	0	0	0	0	3
	Hydraena sp.	0	0	0	0	0	0	0
	Hydrocanthus sp.	0	0	0	0	0	0	0
	Hydrochus sp.	0	0	0	0	0	1	0
	Hydrophilidae	0	0	0	0	0	0	0
	Noteridae	0	0	0	0	0	0	0
	Peltodytes sp.	1	1	0	0	0	0	0
	Suphis sp.	0	0	0	0	0	0	0
	Suphisellus sp.	0	1	0	2	0	0	0
	Tropisternus sp.	0	0	0	0	0	0	0
Diptera-Chironomidae	Ablabesmyia annulata	0	0	0	0	0	0	0
	Ablabesmyia peleensis	0	0	0	1	0	0	0
	Ablabesmyia rhamphe gr.	0	0	0	0	0	4	0
	Chironomini	0	0	0	0	0	0	0
	Chironomus sp.	8	0	0	0	0	0	0
	Cladopelma sp.	0	0	0	0	0	0	9
	Cladotanytarsus sp.	0	0	0	0	0	0	8
	Clinotanypus sp.	0	0	0	0	0	1	0
	Coelotanypus sp.	13	0	1	0	0	0	0
	Cryptochironomus sp.	1	0	0	0	2	0	1
	Dicrotendipes lobus	0	0	0	0	0	0	0
	Dicrotendipes lucifer	0	0	0	0	0	1	0
	Dicrotendipes simpsoni	0	0	0	0	0	0	0

Terrebonne Basin 2006
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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-8**	**C-9**	**C-9**	**C-10**	**C-10**	**C-1**	**C-1**
	Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**
	Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**
	Percent Subsampled	**100.00**	**10.42**	**100.00**	**7.14**	**100.00**	**100.00**	**100.00**
	Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**18**	**19**	**20**	**21**	**22**	**23**	**24**
	Dicrotendipes sp.	0	0	0	2	0	0	0
	Einfeldia sp.	0	0	0	0	0	0	0
	Endochironomus sp.	0	0	0	2	0	0	0
	Endotribelos sp.	0	0	0	0	0	0	0
	Glyptotendipes sp.	43	80	0	3	0	19	0
	Goeldichironomus sp.	0	0	0	0	0	3	0
	Labrundinia sp.	0	0	0	12	0	0	0
	Larsia sp.	0	0	0	0	0	0	0
	Monopelopia sp.	0	1	1	17	0	0	0
	Nanocladius sp.	0	0	0	6	0	0	0
	Parachironomus sp.	3	3	0	59	4	0	0
	Polypedilum fallax gr.	0	0	0	0	0	0	0
	Polypedilum halterale gr.	0	0	0	0	0	0	5
	Polypedilum sp.	0	0	0	0	0	0	0
	Polypedilum trigonus	0	0	0	1	0	0	0
	Procladius sp.	3	0	0	0	1	0	0
	Pseudochironomus sp.	0	0	0	0	0	0	0
	Pseudosmittia sp.	0	0	0	0	0	0	0
	Tanypus sp.	8	0	1	0	0	0	0
	Tanytarsus sp.	1	0	0	1	1	3	3
	Xenochironomus xenolabis	0	0	0	2	0	0	0
	Zavreliella sp.	0	0	0	0	0	1	0
Diptera	Bezzia/Palpomyia sp.	0	2	1	19	3	0	1
	Ceratopogoninae	34	1	0	0	0	0	2
	Chaoborus sp.	0	0	0	0	0	0	0
	Coelopidae	0	0	0	0	0	0	0
	Culex sp.	0	0	0	0	0	0	0
	Culicidae	0	0	0	1	0	0	0
	Dasyhelea sp.	0	4	0	16	0	0	0
	Dolichopodidae	0	0	0	0	0	0	0
	Hedriodiscus/Odontomyia sp.	0	1	0	0	0	0	0
	Odontomyia sp	0	0	0	0	0	0	0
	Probezzia sp.	0	0	0	0	0	0	0
	Sphaeromias sp.	29	0	0	0	0	0	0
	Stratiomyidae	0	0	0	4	0	0	0
Trichoptera	Oecetis sp.	0	0	0	0	0	0	1
	Orthotrichia sp.	0	0	0	2	0	0	0
Lepidoptera	Lepidoptera	0	0	0	0	0	0	0
Other Insecta	Climacia sp.	0	0	0	0	0	0	0
Gastropoda	Ancylidae	0	0	1	0	0	0	0
	Detracia floridana	0	0	0	0	0	0	0
	Ferrissia sp.	0	0	0	5	0	0	0
	Gastropoda	0	0	0	0	1	0	0
	Gyraulus sp.	0	0	0	0	0	0	0
	Hydrobiidae	1	4	1	3	0	0	1

Terrebonne Basin 2006
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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-8**	**C-9**	**C-9**	**C-10**	**C-10**	**C-1**	**C-1**
	Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**
	Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**
	Percent Subsampled	**100.00**	**10.42**	**100.00**	**7.14**	**100.00**	**100.00**	**100.00**
	Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**18**	**19**	**20**	**21**	**22**	**23**	**24**
	Laevapex sp.	0	0	0	0	0	0	1
	Littorina sp.	0	0	0	0	0	0	0
	Micromenetus sp.	0	0	0	0	0	0	0
	Neritina sp.	0	0	0	0	0	0	0
	Olividae	0	0	0	0	0	0	0
	Physa sp.	1	0	0	32	0	1	0
	Planorbidae	0	2	0	3	0	1	0
	Pseudosuccinea columella	0	1	0	3	0	0	0
Bivalvia	Anodonta imbecillis	0	0	0	0	0	0	0
	Bivalvia	0	0	0	0	0	0	0
	Dreissena polymorpha	0	0	0	0	0	0	0
	Eupera cubensis	0	0	0	0	0	0	0
	Musculium transversum	0	0	0	0	0	0	0
	Sphaeriidae	1	0	0	0	0	0	0
	Unionidae	0	0	0	0	0	0	0
Annelida	Actinobdella sp.	0	0	0	0	0	0	0
	Aulodrilus pigueti	14	0	0	0	0	0	0
	Bratislavia unidentata	0	4	0	0	0	1	0
	Chaetogaster sp.	0	2	0	0	0	0	0
	Dero furcata	0	0	0	0	0	0	0
	Dero sp.	4	39	0	15	1	0	0
	Dorvilleidae	0	0	0	0	0	0	0
	Enchytraeidae	0	0	0	0	0	0	0
	Glossiphoniidae	0	0	0	0	0	0	0
	Glyceridae	0	0	0	0	0	0	0
	Helobdella elongata	0	0	0	0	0	0	0
	Helobdella stagnalis	2	0	0	0	0	0	0
	Hirudinea	0	0	0	0	0	0	0
	Limnodrilus cervix	0	0	46	0	0	0	0
	Limnodrilus hoffmeisteri	0	0	0	5	0	0	0
	Lumbricina	0	0	0	0	0	0	0
	Lumbriculidae	0	0	0	0	0	0	0
	Nais pardalis	0	0	0	0	0	0	1
	Nais sp.	0	0	0	0	0	0	2
	Nais variabilis	0	4	0	0	0	0	0
	Nereididae	0	0	0	0	0	0	0
	Polychaeta	0	0	0	0	0	0	0
	Pristina leidyi	0	35	0	6	0	0	1
	Pristina osborni	0	3	0	0	0	0	0
	Pristina sp.	0	0	0	0	0	0	0
	Rhyacodrilus sp.	0	7	0	0	0	0	0
	Tubificidae w/ cap setae	1	0	0	0	0	0	0
	Tubificidae w/o cap setae	58	4	0	0	2	0	46
Acari	Acari	1	0	0	4	0	0	0
	Arrenurus sp.	0	0	0	9	0	2	0

Terrebonne Basin 2006
EcoAnalysts, Inc.
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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-8**	**C-9**	**C-9**	**C-10**	**C-10**	**C-1**	**C-1**
	Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**
	Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**
	Percent Subsampled	**100.00**	**10.42**	**100.00**	**7.14**	**100.00**	**100.00**	**100.00**
	Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**18**	**19**	**20**	**21**	**22**	**23**	**24**
	Hydrachna sp.	0	1	0	0	0	0	0
	Limnesia sp.	0	3	0	0	0	0	0
	Mideopsis sp.	0	0	0	0	0	0	0
	Neumania sp.	0	0	0	0	0	0	1
	Oribatei	0	2	0	2	0	0	0
	Sperchon sp.	0	0	0	0	0	0	0
	Unionicola sp.	0	0	0	0	0	0	0
Crustacea	Americamysis bahia	0	0	0	0	0	0	0
	Ampelisca sp.	0	0	0	0	0	0	0
	Amphipoda	0	0	0	0	0	0	0
	Apocorophium louisianum	0	0	0	0	0	0	0
	Balanomorpha	0	0	0	0	0	0	0
	Brachyura	0	0	0	0	0	0	0
	Cambaridae	0	0	0	0	1	0	0
	Caridea	0	0	0	0	0	0	0
	Cerapus cudjoe	0	0	0	0	0	0	0
	Cumacea	0	0	0	0	0	0	0
	Decapoda	0	0	0	0	0	0	0
	Gammarus sp.	0	0	0	0	6	0	0
	Grapsidae	0	0	0	0	0	0	0
	Hargeria rapax	0	0	0	0	0	0	0
	Hyalella sp.	5	5	0	51	1	6	0
	Leptocheliidae	0	0	0	0	0	0	0
	Lirceus sp.	0	0	0	0	0	0	0
	Melita sp.	0	0	0	0	0	0	0
	Palaemonetes kadiakensis	0	0	0	4	1	4	0
	Palaemonetes pugio	0	0	0	0	0	0	0
	Palaemonetes sp.	0	0	0	0	0	0	0
	Penaeidae	0	0	0	0	0	0	0
	Porcellanidae	0	0	0	0	0	0	0
	Portunidae	0	0	0	0	0	0	0
	Probopyrus sp.	0	0	0	0	0	0	0
	Sesarma sp.	0	0	0	0	0	0	0
	Sessilia	0	0	0	0	0	0	0
	Sphaeroma sp.	0	0	0	0	0	0	0
	Talitridae	0	0	0	0	0	0	0
	Uca sp.	0	0	0	0	0	0	0
Other Organisms	Hydra sp.	0	0	0	0	0	0	0
	Nematoda	4	8	0	7	0	0	4
	Ophiuroidea	0	0	0	0	0	0	0
	Turbellaria	0	3	0	1	0	0	0
		239	**247**	**54**	**337**	**32**	**57**	**91**

Terrebonne Basin 2006
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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-2**	**C-2**	**C-3**	**C-3**	**C-4**	**C-4**	**C-5**	**C-5**
	Rep	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
	Date	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**	**08-02-2006**
	Percent Subsampled	**45.87**	**100.00**	**19.80**	**100.00**	**87.72**	**100.00**	**5.36**	**83.33**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Ephemeroptera	Caenis diminuta	28	0	39	7	79	41	17	3
	Caenis sp.	0	1	0	0	0	0	0	0
	Callibaetis sp.	2	0	4	0	0	0	11	2
	Ephemeroptera	0	0	3	0	0	0	0	0
	Hexagenia sp.	0	0	0	0	0	1	0	0
	Stenacron interpunctatum	0	0	0	0	1	0	0	0
Odonata	Coenagrion/Enallagma sp.	0	0	1	0	0	0	0	0
	Coenagrionidae	3	1	0	0	0	0	0	0
	Enallagma sp.	0	0	15	0	0	0	7	5
	Erythemis simplicicollis	0	0	0	0	0	0	0	0
	Gomphidae	0	0	0	0	0	1	0	0
	Libellulidae	0	0	1	0	1	0	1	0
Ephemeroptera	Campsurus decoloratus	3	35	0	12	0	20	0	160
Hemiptera	Belostoma sp.	0	0	0	0	0	0	0	0
	Belostomatidae	0	0	0	0	0	0	0	0
	Corisella sp.	0	0	0	0	0	8	0	0
	Corixidae	1	0	0	1	0	0	0	0
	Naucoridae	0	0	0	0	0	0	0	0
	Pelocoris sp.	2	0	0	0	0	0	0	2
	Ranatra sp.	2	0	0	0	0	0	0	0
Coleoptera	Berosus sp.	1	0	0	0	0	1	0	0
	Desmopachria sp.	0	0	0	0	0	0	0	0
	Dubiraphia sp.	0	0	0	1	1	0	0	0
	Hydraena sp.	1	0	0	0	0	0	0	0
	Hydrocanthus sp.	1	0	1	0	0	0	0	0
	Hydrochus sp.	0	0	1	0	6	0	0	0
	Hydrophilidae	0	0	0	0	0	0	1	0
	Noteridae	0	0	0	0	0	0	0	0
	Peltodytes sp.	0	1	1	0	0	0	0	0
	Suphis sp.	0	0	0	0	0	0	0	0
	Suphisellus sp.	0	0	0	0	0	0	0	0
	Tropisternus sp.	0	1	0	0	0	0	0	0
Diptera-Chironomidae	Ablabesmyia annulata	0	2	0	0	0	4	0	2
	Ablabesmyia peleensis	0	0	0	0	0	0	0	0
	Ablabesmyia rhamphe gr.	0	0	0	0	0	0	0	0
	Chironomini	0	0	1	0	0	0	2	0
	Chironomus sp.	0	0	0	0	0	0	0	0
	Cladopelma sp.	0	0	0	0	0	0	0	0
	Cladotanytarsus sp.	0	0	0	0	0	0	0	0
	Clinotanypus sp.	0	0	0	0	0	0	0	0
	Coelotanypus sp.	0	1	0	0	0	1	0	1
	Cryptochironomus sp.	0	1	0	0	2	1	0	1
	Dicrotendipes lobus	0	0	0	0	0	0	0	0
	Dicrotendipes lucifer	0	0	0	0	0	0	0	0
	Dicrotendipes simpsoni	0	0	0	0	0	0	0	0

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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-2**	**C-2**	**C-3**	**C-3**	**C-4**	**C-4**	**C-5**	**C-5**
	Rep	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
	Date	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**	**08-02-2006**
	Percent Subsampled	**45.87**	**100.00**	**19.80**	**100.00**	**87.72**	**100.00**	**5.36**	**83.33**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
	Dicrotendipes sp.	0	0	0	0	1	0	0	0
	Einfeldia sp.	0	0	0	0	0	0	0	0
	Endochironomus sp.	9	0	0	0	0	0	3	0
	Endotribelos sp.	0	0	0	0	0	0	10	0
	Glyptotendipes sp.	9	0	3	0	2	0	8	1
	Goeldichironomus sp.	0	0	0	0	1	0	0	0
	Labrundinia sp.	20	1	40	2	0	0	6	0
	Larsia sp.	21	0	4	0	0	0	23	0
	Monopelopia sp.	0	0	0	0	0	0	0	0
	Nanocladius sp.	0	0	2	0	0	0	2	0
	Parachironomus sp.	91	0	99	0	1	0	70	0
	Polypedilum fallax gr.	1	0	0	0	0	0	0	0
	Polypedilum halterale gr.	0	0	0	0	0	0	0	0
	Polypedilum sp.	0	0	0	0	0	0	0	0
	Polypedilum trigonus	1	0	4	0	0	0	14	0
	Procladius sp.	0	1	0	0	0	0	0	5
	Pseudochironomus sp.	1	0	0	0	0	0	0	0
	Pseudosmittia sp.	0	0	0	0	0	0	0	0
	Tanypus sp.	0	0	0	0	0	0	0	0
	Tanytarsus sp.	0	0	0	0	0	0	27	1
	Xenochironomus xenolabis	0	0	0	0	0	0	5	0
	Zavreliella sp.	1	0	0	0	0	0	0	0
Diptera	Bezzia/Palpomyia sp.	2	0	17	2	10	0	8	1
	Ceratopogoninae	5	15	0	4	0	33	0	0
	Chaoborus sp.	0	2	0	7	0	0	0	2
	Coelopidae	0	0	0	0	0	0	0	0
	Culex sp.	0	0	0	0	0	0	0	0
	Culicidae	0	0	0	0	0	0	0	0
	Dasyhelea sp.	17	0	2	0	0	0	17	13
	Dolichopodidae	0	0	0	0	0	0	0	0
	Hedriodiscus/Odontomyia sp.	0	0	0	0	0	0	0	0
	Odontomyia sp	0	0	0	0	0	0	0	0
	Probezzia sp.	0	2	0	5	0	4	0	0
	Sphaeromias sp.	0	4	0	0	0	12	0	13
	Stratiomyidae	0	0	1	0	0	0	2	0
Trichoptera	Oecetis sp.	0	0	0	0	2	1	4	0
	Orthotrichia sp.	1	0	1	0	4	0	0	0
Lepidoptera	Lepidoptera	0	0	1	0	0	0	4	0
Other Insecta	Climacia sp.	1	0	0	0	6	0	0	0
Gastropoda	Ancylidae	0	0	0	0	0	0	0	0
	Detracia floridana	0	0	0	0	0	0	0	0
	Ferrissia sp.	0	0	3	0	0	0	0	0
	Gastropoda	0	0	0	0	0	0	0	0
	Gyraulus sp.	0	0	0	0	0	0	0	0
	Hydrobiidae	0	0	6	4	1	1	21	5

Terrebonne Basin 2006
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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-2**	**C-2**	**C-3**	**C-3**	**C-4**	**C-4**	**C-5**	**C-5**
	Rep	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
	Date	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**	**08-02-2006**
	Percent Subsampled	**45.87**	**100.00**	**19.80**	**100.00**	**87.72**	**100.00**	**5.36**	**83.33**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
	Laevapex sp.	4	0	0	0	0	1	0	0
	Littorina sp.	0	0	0	0	0	0	0	0
	Micromenetus sp.	0	0	0	0	0	0	0	0
	Neritina sp.	0	0	0	0	0	0	0	0
	Olividae	0	0	0	0	0	0	0	0
	Physa sp.	1	0	5	1	3	1	21	4
	Planorbidae	1	0	2	1	0	0	6	0
	Pseudosuccinea columella	0	0	0	0	0	0	0	0
Bivalvia	Anodonta imbecillis	0	0	1	0	0	0	0	0
	Bivalvia	0	0	0	0	0	0	0	0
	Dreissena polymorpha	0	0	0	0	0	0	3	0
	Eupera cubensis	0	0	0	0	0	0	8	0
	Musculium transversum	0	0	0	0	0	26	0	34
	Sphaeriidae	0	0	0	5	1	0	0	0
	Unionidae	0	0	0	0	0	1	0	0
Annelida	Actinobdella sp.	0	0	0	0	0	0	0	1
	Aulodrilus pigueti	0	0	0	0	0	0	0	1
	Bratislavia unidentata	0	0	0	0	66	0	0	0
	Chaetogaster sp.	0	0	0	0	0	0	0	0
	Dero furcata	0	0	0	0	1	0	0	0
	Dero sp.	34	0	40	0	103	6	40	0
	Dorvilleidae	0	0	0	0	0	0	0	0
	Enchytraeidae	0	0	0	0	0	0	0	0
	Glossiphoniidae	0	0	0	0	0	1	0	0
	Glyceridae	0	0	0	0	0	0	0	0
	Helobdella elongata	0	0	0	0	0	3	0	5
	Helobdella stagnalis	0	0	0	0	0	0	0	1
	Hirudinea	0	0	0	0	0	0	0	1
	Limnodrilus cervix	0	0	0	0	0	0	0	0
	Limnodrilus hoffmeisteri	0	5	0	0	0	0	0	47
	Lumbricina	0	0	0	0	0	0	0	0
	Lumbriculidae	0	0	0	0	0	0	0	0
	Nais pardalis	0	0	0	0	8	0	0	0
	Nais sp.	2	0	0	0	1	0	0	0
	Nais variabilis	0	0	0	0	0	0	0	0
	Nereididae	0	0	0	0	0	0	0	0
	Polychaeta	0	0	0	0	0	0	0	0
	Pristina leidyi	5	0	6	0	0	0	15	0
	Pristina osborni	0	0	0	0	0	0	0	0
	Pristina sp.	0	0	0	0	0	0	0	0
	Rhyacodrilus sp.	0	0	0	0	0	0	0	0
	Tubificidae w/ cap setae	0	0	0	0	0	0	0	1
	Tubificidae w/o cap setae	0	0	0	12	5	60	0	0
Acari	Acari	0	1	0	1	1	1	4	1
	Arrenurus sp.	1	0	0	0	0	0	3	0

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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-2**	**C-2**	**C-3**	**C-3**	**C-4**	**C-4**	**C-5**	**C-5**
	Rep	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
	Date	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**	**08-02-2006**
	Percent Subsampled	**45.87**	**100.00**	**19.80**	**100.00**	**87.72**	**100.00**	**5.36**	**83.33**
	Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
	Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
	EcoAnalysts Sample ID	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
	Hydrachna sp.	1	0	0	0	0	0	1	0
	Limnesia sp.	9	0	5	0	1	0	0	0
	Mideopsis sp.	2	0	1	0	0	0	1	0
	Neumania sp.	0	0	0	0	0	0	0	0
	Oribatei	2	0	0	0	0	0	0	0
	Sperchon sp.	0	0	0	1	0	0	0	0
	Unionicola sp.	0	0	0	2	0	0	0	1
Crustacea	Americamysis bahia	0	0	0	0	0	0	0	0
	Ampelisca sp.	0	0	0	0	0	0	0	0
	Amphipoda	0	0	0	0	0	0	0	0
	Apocorophium louisianum	0	0	0	0	0	0	0	0
	Balanomorpha	0	0	0	0	0	0	0	0
	Brachyura	0	0	0	0	0	0	0	0
	Cambaridae	0	0	0	0	0	0	0	0
	Caridea	0	0	2	0	0	0	0	0
	Cerapus cudjoe	0	0	0	0	0	0	0	0
	Cumacea	0	0	0	0	0	0	0	0
	Decapoda	0	0	0	0	0	0	0	0
	Gammarus sp.	0	0	0	0	2	1	1	4
	Grapsidae	0	0	0	0	0	0	0	0
	Hargeria rapax	0	0	0	0	0	0	0	0
	Hyalella sp.	19	1	5	2	16	0	5	0
	Leptocheliidae	0	0	0	0	0	0	0	0
	Lirceus sp.	0	0	0	0	0	0	0	0
	Melita sp.	0	0	0	0	0	0	0	0
	Palaemonetes kadiakensis	20	4	0	0	6	0	3	0
	Palaemonetes pugio	0	0	0	0	0	0	0	0
	Palaemonetes sp.	0	0	0	0	0	0	0	0
	Penaeidae	0	0	0	0	0	0	0	0
	Porcellanidae	0	0	0	0	0	0	0	0
	Portunidae	0	0	0	0	0	0	0	0
	Probopyrus sp.	0	0	0	0	0	0	0	0
	Sesarma sp.	0	0	0	0	0	0	0	0
	Sessilia	0	0	0	0	0	0	0	0
	Sphaeroma sp.	0	0	0	0	0	0	0	0
	Talitridae	0	0	0	0	0	0	0	0
	Uca sp.	0	0	0	0	0	0	0	0
Other Organisms	Hydra sp.	0	0	0	0	0	0	0	0
	Nematoda	4	0	0	0	1	8	1	8
	Ophiuroidea	0	0	0	0	0	0	0	0
	Turbellaria	0	0	2	0	2	0	22	0
		329	**79**	**319**	**70**	**335**	**238**	**397**	**326**

Terrebonne Basin 2006
EcoAnalysts, Inc.
Data are adjusted for subsampling
(Ostracods removed from data)

Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
Site	**C-11**	**C-11**	**C-12**	**C-12**	**C-13**	**C-13**	**C-14**
Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**
Date	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-09-2006**	**08-08-2006**
Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
EcoAnalysts Sample ID	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Abundance Measures							
Corrected Abundance	147.00	5.00	86.00	55.00	285.00	11.00	152.00
EPT Abundance	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dominance Measures							
Dominant Taxon	Palaemonetes pugio	Ampelisca sp.	Littorina sp.	Enchytraeidae	Palaemonetes pugio	Tanypus sp.	Hydrobiidae
Dominant Abundance	23.00	3.00	34.00	14.00	121.00	6.00	79.00
2nd Dominant Taxon	Apocorophium louisianum	Leptocheliidae	Enchytraeidae	Littorina sp.	Hydrobiidae	Polychaeta	Palaemonetes pugio
2nd Dominant Abundance	22.00	1.00	13.00	7.00	94.00	3.00	17.00
3rd Dominant Taxon	Hargeria rapax	Cerapus cudjoe	Brachyura	Bivalvia	Sphaeroma sp.	Tubificidae w/o cap setae	Sphaeroma sp.
3rd Dominant Abundance	19.00	1.00	7.00	7.00	25.00	2.00	16.00
% Dominant Taxon	15.65	60.00	39.53	25.45	42.46	54.55	51.97
% 2 Dominant Taxa	30.61	80.00	54.65	38.18	75.44	81.82	63.16
% 3 Dominant Taxa	43.54	100.00	62.79	50.91	84.21	100.00	73.68
Richness Measures							
Species Richness	18.00	3.00	18.00	17.00	18.00	4.00	14.00
EPT Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ephemeroptera Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plecoptera Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trichoptera Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chironomidae Richness	0.00	0.00	0.00	1.00	1.00	1.00	2.00
Oligochaeta Richness	2.00	0.00	3.00	4.00	1.00	1.00	2.00
Non-Chiro. Non-Olig. Richness	16.00	3.00	15.00	12.00	16.00	2.00	10.00
Rhyacophila Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Community Composition							
% Ephemeroptera	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Plecoptera	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Trichoptera	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% EPT	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Coleoptera	0.00	0.00	1.16	0.00	0.00	0.00	0.00
% Diptera	0.00	0.00	0.00	1.82	0.35	54.55	5.92
% Oligochaeta	4.76	0.00	17.44	40.00	2.11	18.18	8.55
% Baetidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Brachycentridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Chironomidae	0.00	0.00	0.00	1.82	0.35	54.55	5.92
% Ephemerellidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Hydropsychidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Odonata	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Perlidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Pteronarcyidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Simuliidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
Site	**C-11**	**C-11**	**C-12**	**C-12**	**C-13**	**C-13**	**C-14**
Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**
Date	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-09-2006**	**08-08-2006**
Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
EcoAnalysts Sample ID	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Functional Group Composition							
% Filterers	10.20	0.00	0.00	12.73	1.05	0.00	0.00
% Gatherers	6.80	0.00	18.60	49.09	4.91	45.45	15.79
% Predators	1.36	0.00	0.00	3.64	1.05	54.55	0.00
% Scrapers	0.00	0.00	0.00	0.00	32.98	0.00	51.97
% Shredders	0.68	0.00	1.16	0.00	0.00	0.00	0.00
% Piercer-Herbivores	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Unclassified	80.95	100.00	80.23	34.55	60.00	0.00	32.24
Filterer Richness	1.00	0.00	0.00	1.00	1.00	0.00	0.00
Gatherer Richness	3.00	0.00	4.00	5.00	3.00	2.00	5.00
Predator Richness	2.00	0.00	0.00	2.00	1.00	1.00	0.00
Scraper Richness	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Shredder Richness	1.00	0.00	1.00	0.00	0.00	0.00	0.00
Piercer-Herbivore Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unclassified	11.00	3.00	13.00	9.00	12.00	1.00	8.00
Diversity/Evenness Measures							
Shannon-Weaver H' (log 10)	1.08	0.41	0.94	1.05	0.70	0.43	0.75
Shannon-Weaver H' (log 2)	3.60	1.37	3.11	3.50	2.32	1.44	2.48
Shannon-Weaver H' (log e)	2.49	0.95	2.16	2.42	1.61	0.99	1.72
Margalef's Richness	3.41	1.24	3.82	3.99	3.01	1.25	2.59
Pielou's J'	0.86	0.86	0.75	0.86	0.56	0.72	0.65
Simpson's Heterogeneity	0.91	0.70	0.81	0.89	0.70	0.65	0.70
Biotic Indices							
% Indiv. w/ HBI Value	6.80	0.00	19.77	43.64	37.54	72.73	67.76
Hilsenhoff Biotic Index	8.90	N/A	9.41	9.38	5.42	10.00	5.78
% Indiv. w/ MTI Value	5.44	0.00	16.28	34.55	3.16	0.00	11.84
Metals Tolerance Index	2.00	N/A	1.00	1.21	2.33	N/A	1.00
% Indiv. w/ FSBI Value	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Indiv. w/ TPM Value	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temp. Pref. Metric - average	-99.00	-99.00	-99.00	-99.00	-99.00	-99.00	-99.00
TPM - weighted average	-99.00	-99.00	-99.00	-99.00	-99.00	-99.00	-99.00

Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
Site	**C-11**	**C-11**	**C-12**	**C-12**	**C-13**	**C-13**	**C-14**
Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**
Date	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-09-2006**	**08-08-2006**
Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
Device	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
Habitat	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
EcoAnalysts Sample ID	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Karr BIBI Metrics							
Long-Lived Taxa Richness	1.00	0.00	0.00	1.00	1.00	0.00	0.00
Clinger Richness	1.00	0.00	0.00	0.00	2.00	0.00	1.00
% Clingers	0.68	0.00	0.00	0.00	34.04	0.00	51.97
Intolerant Taxa Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Tolerant Individuals	80.00	0.17	94.12	91.67	9.35	25.00	14.56
% Tolerant Taxa	16.67	0.00	22.22	29.41	11.11	50.00	21.43
Coleoptera Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lake Metrics							
% Orthocladiinae	0.00	0.00	0.00	0.00	0.00	0.00	1.32
Orthocladiinae Richness	0.00	0.00	0.00	0.00	0.00	0.00	1.00
% Chironomini	0.00	0.00	0.00	0.00	0.35	0.00	4.61
Chironomini Richness	0.00	0.00	0.00	0.00	1.00	0.00	1.00
% Tanytarsini	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Chironomus	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Tanytarsus	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Dicrotendipes	0.00	0.00	0.00	0.00	0.35	0.00	4.61
% Dicrotendipes + Chironomus	0.00	0.00	0.00	0.00	0.35	0.00	4.61
% Corbicula	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Manayunkia speciosa	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Intolerant	0.00	N/A	0.00	0.00	0.00	0.00	0.00
% Intolerant Taxa (S.CA)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Individuals w/ CAHBI value	1.36	0.00	0.00	1.82	1.05	0.00	0.00
% Intolerant Taxa (CAHBI)	0.00	N/A	N/A	0.00	0.00	N/A	N/A
% Sensitive EPT (CAHBI)	0.00	N/A	N/A	0.00	0.00	N/A	N/A
% Non-Insect Individuals	89.12	100.00	94.19	98.18	98.60	45.45	94.08
% Non-Insect Taxa	94.44	100.00	94.44	94.12	88.89	75.00	85.71
% Crustacea + Mollusca	80.95	100.00	73.26	36.36	94.04	0.00	85.53
Average Abundance (per taxon)	8.17	1.67	4.78	3.24	15.83	2.75	10.86
UIN	857-3	857-4	857-5	857-6	857-7	857-8	857-9

Terrebonne Basin 2006
EcoAnalysts, Inc.
Data are adjusted for subsampling
(Ostracods removed from data)

Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
Site	**C-14**	**C-15**	**C-15**	**C-6**	**C-6**	**C-7**	**C-7**	**C-8**
Rep	**Marine**	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**
Date	**08-08-2006**	**08-08-2006**	**08-08-2006**	**08-02-2006**	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-02-2006**
Percent Subsampled	**100.00**	**100.00**	**100.00**	**6.25**	**100.00**	**5.95**	**100.00**	**1.49**
Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
EcoAnalysts Sample ID	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**
Abundance Measures								
Corrected Abundance	7.00	49.00	2.00	5392.00	98.00	5191.20	371.00	14716.80
EPT Abundance	0.00	0.00	0.00	480.00	3.00	67.20	12.00	134.40
Dominance Measures								
Dominant Taxon	Tanypus sp.	Hydrobiidae	Dolichopodidae	Dero sp.	Sphaeromias sp.	Hyalella sp.	Glyptotendipes sp.	Glyptotendipes sp.
Dominant Abundance	4.00	18.00	1.00	1040.00	34.00	2032.80	110.00	11760.00
2nd Dominant Taxon	Chironomus sp.	Coelopidae	Coelopidae	Parachironomus sp.	Ceratopogoninae	Parachironomus sp.	Hyalella sp.	Hyalella sp.
2nd Dominant Abundance	1.00	12.00	1.00	592.00	19.00	655.20	89.00	1209.60
3rd Dominant Taxon	Hydrobiidae	Dicrotendipes lobus		Pristina leidyi	Hydrobiidae	Glyptotendipes sp.	Coelotanypus sp.	Parachironomus sp.
3rd Dominant Abundance	1.00	3.00	0.00	480.00	17.00	504.00	39.00	604.80
% Dominant Taxon	57.14	36.73	50.00	19.29	34.69	39.16	29.65	79.91
% 2 Dominant Taxa	71.43	61.22	100.00	30.27	54.08	51.78	53.64	88.13
% 3 Dominant Taxa	85.71	67.35	100.00	39.17	71.43	61.49	64.15	92.24
Richness Measures								
Species Richness	4.00	14.00	2.00	43.00	12.00	32.00	32.00	10.00
EPT Richness	0.00	0.00	0.00	4.00	1.00	1.00	2.00	1.00
Ephemeroptera Richness	0.00	0.00	0.00	2.00	1.00	1.00	1.00	1.00
Plecoptera Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trichoptera Richness	0.00	0.00	0.00	2.00	0.00	0.00	1.00	0.00
Chironomidae Richness	2.00	1.00	0.00	14.00	0.00	5.00	7.00	3.00
Oligochaeta Richness	0.00	1.00	0.00	6.00	2.00	4.00	2.00	1.00
Non-Chiro. Non-Olig. Richness	2.00	12.00	2.00	23.00	10.00	23.00	23.00	6.00
Rhyacophila Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Community Composition								
% Ephemeroptera	0.00	0.00	0.00	8.01	3.06	1.29	2.96	0.91
% Plecoptera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Trichoptera	0.00	0.00	0.00	0.89	0.00	0.00	0.27	0.00
% EPT	0.00	0.00	0.00	8.90	3.06	1.29	3.23	0.91
% Coleoptera	0.00	0.00	0.00	1.48	0.00	0.65	0.81	0.00
% Diptera	71.43	6.12	50.00	31.75	55.10	28.16	46.09	88.13
% Oligochaeta	0.00	2.04	0.00	36.50	5.10	5.83	8.36	1.37
% Baetidae	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00
% Brachycentridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Chironomidae	71.43	6.12	0.00	28.49	0.00	28.16	44.47	87.21
% Ephemerellidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Hydropsychidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Odonata	0.00	0.00	0.00	2.97	3.06	2.27	1.35	0.00
% Perlidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Pteronarcyidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Simuliidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Stream	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin
Site	**C-14**	**C-15**	**C-15**	**C-6**	**C-6**	**C-7**	**C-7**	**C-8**
Rep	**Marine**	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**
Date	**08-08-2006**	**08-08-2006**	**08-08-2006**	**08-02-2006**	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-02-2006**
Percent Subsampled	**100.00**	**100.00**	**100.00**	**6.25**	**100.00**	**5.95**	**100.00**	**1.49**
Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
EcoAnalysts Sample ID	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**
Functional Group Composition								
% Filterers	0.00	4.08	0.00	0.89	6.12	0.32	1.08	0.46
% Gatherers	14.29	6.12	0.00	59.35	8.16	67.96	70.35	93.61
% Predators	57.14	2.04	50.00	12.17	29.59	22.33	21.83	4.57
% Scrapers	14.29	36.73	0.00	13.65	20.41	3.88	0.81	0.00
% Shredders	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00
% Piercer-Herbivores	0.00	2.04	0.00	0.59	0.00	0.00	0.27	0.00
% Unclassified	14.29	48.98	50.00	10.68	34.69	4.85	5.66	1.37
Filterer Richness	0.00	1.00	0.00	1.00	1.00	1.00	2.00	1.00
Gatherer Richness	1.00	2.00	0.00	15.00	3.00	9.00	9.00	4.00
Predator Richness	1.00	1.00	1.00	12.00	4.00	12.00	12.00	3.00
Scraper Richness	1.00	1.00	0.00	5.00	2.00	3.00	2.00	0.00
Shredder Richness	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
Piercer-Herbivore Richness	0.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00
Unclassified	1.00	8.00	1.00	6.00	1.00	6.00	6.00	2.00
Diversity/Evenness Measures								
Shannon-Weaver H' (log 10)	0.50	0.87	0.30	1.30	0.83	1.01	1.00	0.37
Shannon-Weaver H' (log 2)	1.66	2.89	1.00	4.32	2.77	3.36	3.31	1.22
Shannon-Weaver H' (log e)	1.15	2.00	0.69	3.00	1.92	2.33	2.30	0.84
Margalef's Richness	1.54	3.34	1.44	4.89	2.40	3.62	5.24	0.94
Pielou's J'	0.83	0.76	1.00	0.80	0.77	0.67	0.66	0.37
Simpson's Heterogeneity	0.71	0.81	1.00	0.92	0.81	0.81	0.83	0.35
Biotic Indices								
% Indiv. w/ HBI Value	85.71	46.94	50.00	85.46	63.27	89.32	93.26	98.17
Hilsenhoff Biotic Index	9.17	5.65	4.00	8.38	6.50	7.85	7.53	8.02
% Indiv. w/ MTI Value	14.29	6.12	50.00	31.45	37.76	23.62	15.36	5.48
Metals Tolerance Index	4.00	3.67	4.00	3.48	3.68	4.01	2.82	4.17
% Indiv. w/ FSBI Value	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Indiv. w/ TPM Value	0.00	2.04	0.00	3.56	1.02	43.04	25.61	11.42
Temp. Pref. Metric - average	-99.00	0.07	-99.00	0.14	-99.00	0.19	0.22	0.40
TPM - weighted average	-99.00	1.00	-99.00	1.33	-99.00	2.00	1.99	2.00

Stream	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin
Site	**C-14**	**C-15**	**C-15**	**C-6**	**C-6**	**C-7**	**C-7**	**C-8**
Rep	**Marine**	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**
Date	**08-08-2006**	**08-08-2006**	**08-08-2006**	**08-02-2006**	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-02-2006**
Percent Subsampled	**100.00**	**100.00**	**100.00**	**6.25**	**100.00**	**5.95**	**100.00**	**1.49**
Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
EcoAnalysts Sample ID	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**
Karr BIBI Metrics								
Long-Lived Taxa Richness	0.00	2.00	0.00	0.00	1.00	0.00	2.00	0.00
Clinger Richness	1.00	2.00	0.00	12.00	2.00	8.00	7.00	2.00
% Clingers	14.29	38.78	0.00	20.77	20.41	15.21	32.35	80.82
Intolerant Taxa Richness	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
% Tolerant Individuals	0.00	17.39	0.00	3.49	27.42	3.26	39.88	0.15
% Tolerant Taxa	50.00	21.43	0.00	37.21	41.67	31.25	40.63	40.00
Coleoptera Richness	0.00	0.00	0.00	2.00	0.00	2.00	3.00	0.00
Lake Metrics								
% Orthocladiinae	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00
Orthocladiinae Richness	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
% Chironomini	14.29	6.12	0.00	21.66	0.00	22.33	32.61	84.02
Chironomini Richness	1.00	1.00	0.00	8.00	0.00	2.00	4.00	2.00
% Tanytarsini	0.00	0.00	0.00	0.89	0.00	0.32	0.27	0.00
% Chironomus	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Tanytarsus	0.00	0.00	0.00	0.89	0.00	0.32	0.27	0.00
% Dicrotendipes	0.00	6.12	0.00	4.15	0.00	0.00	0.00	0.00
% Dicrotendipes + Chironomus	14.29	6.12	0.00	4.15	0.00	0.00	0.00	0.00
% Corbicula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Manayunkia speciosa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Intolerant	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00
% Intolerant Taxa (S.CA)	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00
% Individuals w/ CAHBI value	0.00	2.04	0.00	5.64	26.53	2.91	4.31	1.37
% Intolerant Taxa (CAHBI)	N/A	0.00	N/A	0.00	0.00	0.00	0.00	0.00
% Sensitive EPT (CAHBI)	N/A	0.00	N/A	0.00	0.00	0.00	0.00	0.00
% Non-Insect Individuals	28.57	67.35	0.00	54.60	38.78	66.67	47.17	10.96
% Non-Insect Taxa	50.00	78.57	0.00	34.88	58.33	62.50	43.75	40.00
% Crustacea + Mollusca	28.57	63.27	0.00	16.91	27.55	45.31	32.08	8.68
Average Abundance (per taxon)	1.75	3.50	1.00	125.40	8.17	162.20	11.59	1472.00
UIN	857-10	857-11	857-12	857-13	857-14	857-15	857-16	857-17

Terrebonne Basin 2006
EcoAnalysts, Inc.
Data are adjusted for subsampling
(Ostracods removed from data)

Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
Site	**C-8**	**C-9**	**C-9**	**C-10**	**C-10**	**C-1**	**C-1**	**C-2**
Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**	**Freshwater**
Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**
Percent Subsampled	**100.00**	**10.42**	**100.00**	**7.14**	**100.00**	**100.00**	**100.00**	**45.87**
Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
EcoAnalysts Sample ID	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**
Abundance Measures								
Corrected Abundance	239.00	2371.20	54.00	4718.00	32.00	57.00	91.00	717.22
EPT Abundance	3.00	38.40	0.00	322.00	6.00	1.00	2.00	74.12
Dominance Measures								
Dominant Taxon	Tubificidae w/o cap setae	Glyptotendipes sp.	Limnodrilus cervix	Parachironomus sp.	Gammarus sp.	Glyptotendipes sp.	Tubificidae w/o cap setae	Parachironomus sp.
Dominant Abundance	58.00	768.00	46.00	826.00	6.00	19.00	46.00	198.38
2nd Dominant Taxon	Glyptotendipes sp.	Dero sp.	Tanypus sp.	Hyalella sp.	Caenis diminuta	Hyalella sp.	Cladopelma sp.	Dero sp.
2nd Dominant Abundance	43.00	374.40	1.00	714.00	6.00	6.00	9.00	74.12
3rd Dominant Taxon	Ceratopogoninae	Pristina leidyi	Coelotanypus sp.	Physa sp.	Parachironomus sp.	Corixidae	Cladotanytarsus sp.	Caenis diminuta
3rd Dominant Abundance	34.00	336.00	1.00	448.00	4.00	6.00	8.00	61.04
% Dominant Taxon	24.27	32.39	85.19	17.51	18.75	33.33	50.55	27.66
% 2 Dominant Taxa	42.26	48.18	87.04	32.64	37.50	43.86	60.44	37.99
% 3 Dominant Taxa	56.49	62.35	88.89	42.14	50.00	54.39	69.23	46.50
Richness Measures								
Species Richness	23.00	31.00	9.00	39.00	14.00	18.00	18.00	38.00
EPT Richness	1.00	2.00	0.00	3.00	1.00	1.00	2.00	4.00
Ephemeroptera Richness	1.00	2.00	0.00	2.00	1.00	1.00	1.00	3.00
Plecoptera Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trichoptera Richness	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00
Chironomidae Richness	8.00	3.00	3.00	11.00	4.00	7.00	5.00	9.00
Oligochaeta Richness	4.00	8.00	1.00	3.00	2.00	1.00	4.00	3.00
Non-Chiro. Non-Olig. Richness	11.00	20.00	5.00	25.00	8.00	10.00	9.00	26.00
Rhyacophila Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Community Composition								
% Ephemeroptera	1.26	1.62	0.00	6.23	18.75	1.75	1.10	10.03
% Plecoptera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Trichoptera	0.00	0.00	0.00	0.59	0.00	0.00	1.10	0.30
% EPT	1.26	1.62	0.00	6.82	18.75	1.75	2.20	10.33
% Coleoptera	0.42	2.43	0.00	0.89	0.00	3.51	3.30	0.91
% Diptera	59.83	37.25	7.41	43.32	34.38	56.14	31.87	54.10
% Oligochaeta	32.22	39.68	85.19	7.72	9.38	1.75	54.95	12.46
% Baetidae	0.00	0.40	0.00	0.89	0.00	0.00	0.00	0.61
% Brachycentridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Chironomidae	33.47	34.01	5.56	31.45	25.00	56.14	28.57	46.81
% Ephemerellidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Hydropsychidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Odonata	0.00	0.00	0.00	3.26	6.25	1.75	0.00	0.91
% Perlidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Pteronarcyidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Simuliidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Stream	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin	Terrebonne Basin
Site	**C-8**	**C-9**	**C-9**	**C-10**	**C-10**	**C-1**	**C-1**	**C-2**
Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**	**Freshwater**
Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**
Percent Subsampled	**100.00**	**10.42**	**100.00**	**7.14**	**100.00**	**100.00**	**100.00**	**45.87**
Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
EcoAnalysts Sample ID	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**
Functional Group Composition								
% Filterers	0.84	0.00	0.00	0.30	3.13	5.26	3.30	0.00
% Gatherers	56.90	77.33	85.19	51.63	46.88	54.39	76.92	54.71
% Predators	27.62	16.19	7.41	24.63	25.00	7.02	10.99	21.58
% Scrapers	0.84	2.43	3.70	12.76	0.00	3.51	1.10	0.61
% Shredders	0.42	2.02	0.00	0.59	0.00	1.75	0.00	3.34
% Piercer-Herbivores	0.00	0.00	1.85	0.59	0.00	10.53	0.00	0.61
% Unclassified	13.39	2.02	1.85	9.50	25.00	15.79	6.59	17.93
Filterer Richness	2.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00
Gatherer Richness	8.00	14.00	1.00	13.00	6.00	6.00	7.00	9.00
Predator Richness	8.00	10.00	4.00	11.00	4.00	3.00	6.00	12.00
Scraper Richness	2.00	2.00	2.00	4.00	0.00	2.00	1.00	2.00
Shredder Richness	1.00	2.00	0.00	1.00	0.00	1.00	0.00	3.00
Piercer-Herbivore Richness	0.00	0.00	1.00	1.00	0.00	1.00	0.00	2.00
Unclassified	2.00	3.00	1.00	8.00	3.00	3.00	2.00	9.00
Diversity/Evenness Measures								
Shannon-Weaver H' (log 10)	1.02	1.06	0.32	1.29	1.04	1.02	0.84	1.18
Shannon-Weaver H' (log 2)	3.38	3.51	1.05	4.28	3.44	3.39	2.77	3.91
Shannon-Weaver H' (log e)	2.34	2.43	0.73	2.97	2.39	2.35	1.92	2.71
Margalef's Richness	4.02	3.86	2.01	4.49	3.75	4.20	3.77	5.63
Pielou's J'	0.75	0.71	0.33	0.81	0.90	0.81	0.67	0.75
Simpson's Heterogeneity	0.87	0.84	0.28	0.92	0.92	0.86	0.73	0.89
Biotic Indices								
% Indiv. w/ HBI Value	86.61	88.26	96.30	76.85	65.63	77.19	90.11	70.52
Hilsenhoff Biotic Index	8.10	8.17	9.60	8.02	7.38	7.64	8.76	8.76
% Indiv. w/ MTI Value	24.27	7.29	3.70	30.86	43.75	19.30	24.18	42.25
Metals Tolerance Index	4.10	4.17	3.00	3.79	2.71	4.09	3.64	3.94
% Indiv. w/ FSBI Value	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Indiv. w/ TPM Value	2.51	2.43	3.70	20.47	6.25	26.32	6.59	6.38
Temp. Pref. Metric - average	0.17	0.13	0.33	0.15	0.29	0.28	0.17	0.13
TPM - weighted average	2.00	2.00	1.50	2.00	2.00	1.60	1.50	1.95

Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
Site	**C-8**	**C-9**	**C-9**	**C-10**	**C-10**	**C-1**	**C-1**	**C-2**
Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**	**Freshwater**
Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**
Percent Subsampled	**100.00**	**10.42**	**100.00**	**7.14**	**100.00**	**100.00**	**100.00**	**45.87**
Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**
Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**
EcoAnalysts Sample ID	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**
Karr BIBI Metrics								
Long-Lived Taxa Richness	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Clinger Richness	6.00	5.00	1.00	10.00	1.00	4.00	5.00	7.00
% Clingers	20.08	35.63	1.85	17.21	3.13	42.11	17.58	6.99
Intolerant Taxa Richness	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00
% Tolerant Individuals	40.10	5.16	90.38	3.47	19.05	29.55	62.20	13.25
% Tolerant Taxa	52.17	32.26	33.33	33.33	42.86	38.89	38.89	28.95
Coleoptera Richness	1.00	3.00	0.00	2.00	0.00	2.00	1.00	3.00
Lake Metrics								
% Orthocladiinae	0.00	0.00	0.00	1.78	0.00	0.00	0.00	0.00
Orthocladiinae Richness	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
% Chironomini	23.01	33.60	0.00	20.47	18.75	40.35	16.48	33.74
Chironomini Richness	4.00	2.00	0.00	6.00	2.00	3.00	3.00	5.00
% Tanytarsini	0.42	0.00	0.00	0.30	3.13	7.02	12.09	0.30
% Chironomus	3.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Tanytarsus	0.42	0.00	0.00	0.30	3.13	5.26	3.30	0.00
% Dicrotendipes	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.00
% Dicrotendipes + Chironomus	3.35	0.00	0.00	0.59	0.00	0.00	0.00	0.00
% Corbicula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Manayunkia speciosa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Intolerant	0.00	0.00	0.00	1.16	9.52	2.27	0.00	0.00
% Intolerant Taxa (S.CA)	0.00	0.00	0.00	0.89	6.25	1.75	0.00	0.00
% Individuals w/ CAHBI value	17.15	6.88	1.85	16.62	12.50	7.02	10.99	9.73
% Intolerant Taxa (CAHBI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Sensitive EPT (CAHBI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Non-Insect Individuals	38.49	51.42	88.89	44.51	40.63	26.32	62.64	31.91
% Non-Insect Taxa	47.83	54.84	33.33	38.46	50.00	33.33	44.44	36.84
% Crustacea + Mollusca	3.35	4.86	3.70	29.97	31.25	21.05	2.20	13.68
Average Abundance (per taxon)	10.39	76.49	6.00	121.00	2.29	3.17	5.06	18.87
UIN	857-18	857-19	857-20	857-21	857-22	857-23	857-24	857-25

Terrebonne Basin 2006
EcoAnalysts, Inc.
Data are adjusted for subsampling
(Ostracods removed from data)

Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
Site	**C-2**	**C-3**	**C-3**	**C-4**	**C-4**	**C-5**	**C-5**
Rep	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
Date	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**	**08-02-2006**
Percent Subsampled	**100.00**	**19.80**	**100.00**	**87.72**	**100.00**	**5.36**	**83.33**
Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
EcoAnalysts Sample ID	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Abundance Measures							
Corrected Abundance	79.00	1605.90	70.00	381.90	238.00	7411.99	391.20
EPT Abundance	36.00	237.35	19.00	98.04	63.00	597.44	198.00
Dominance Measures							
Dominant Taxon	Campsurus decoloratus	Parachironomus sp.	Tubificidae w/o cap setae	Dero sp.	Tubificidae w/o cap setae	Parachironomus sp.	Campsurus decoloratus
Dominant Abundance	35.00	499.95	12.00	117.42	60.00	1306.90	192.00
2nd Dominant Taxon	Ceratopogoninae	Dero sp.	Campsurus decoloratus	Caenis diminuta	Caenis diminuta	Dero sp.	Limnodrilus hoffmeisteri
2nd Dominant Abundance	15.00	202.00	12.00	90.06	41.00	746.80	56.40
3rd Dominant Taxon	Limnodrilus hoffmeisteri	Labrundinia sp.	Caenis diminuta	Bratislavia unidentata	Ceratopogoninae	Tanytarsus sp.	Musculium transversum
3rd Dominant Abundance	5.00	202.00	7.00	75.24	33.00	504.09	40.80
% Dominant Taxon	44.30	31.13	17.14	30.75	25.21	17.63	49.08
% 2 Dominant Taxa	63.29	43.71	34.29	54.33	42.44	27.71	63.50
% 3 Dominant Taxa	69.62	56.29	44.29	74.03	56.30	34.51	73.93
Richness Measures							
Species Richness	18.00	32.00	18.00	30.00	25.00	37.00	29.00
EPT Richness	2.00	4.00	2.00	4.00	4.00	3.00	3.00
Ephemeroptera Richness	2.00	3.00	2.00	2.00	3.00	2.00	3.00
Plecoptera Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trichoptera Richness	0.00	1.00	0.00	2.00	1.00	1.00	0.00
Chironomidae Richness	5.00	7.00	1.00	5.00	3.00	11.00	6.00
Oligochaeta Richness	1.00	2.00	1.00	6.00	2.00	2.00	3.00
Non-Chiro. Non-Olig. Richness	12.00	23.00	16.00	19.00	20.00	24.00	20.00
Rhyacophila Richness	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Community Composition							
% Ephemeroptera	45.57	14.47	27.14	23.88	26.05	7.05	50.61
% Plecoptera	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Trichoptera	0.00	0.31	0.00	1.79	0.42	1.01	0.00
% EPT	45.57	14.78	27.14	25.67	26.47	8.06	50.61
% Coleoptera	2.53	0.94	1.43	2.09	0.42	0.25	0.00
% Diptera	36.71	54.40	28.57	5.07	23.11	49.62	12.27
% Oligochaeta	6.33	14.47	17.14	54.93	27.73	13.85	15.03
% Baetidae	0.00	1.26	0.00	0.00	0.00	2.77	0.61
% Brachycentridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Chironomidae	7.59	48.11	2.86	2.09	2.52	42.82	3.37
% Ephemerellidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Hydropsychidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Odonata	1.27	5.35	0.00	0.30	0.42	2.02	1.53
% Perlidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Pteronarcyidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Simuliidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
Site	**C-2**	**C-3**	**C-3**	**C-4**	**C-4**	**C-5**	**C-5**
Rep	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
Date	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**	**08-02-2006**
Percent Subsampled	**100.00**	**19.80**	**100.00**	**87.72**	**100.00**	**5.36**	**83.33**
Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
EcoAnalysts Sample ID	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Functional Group Composition							
% Filterers	0.00	0.00	7.14	0.30	0.42	9.57	0.31
% Gatherers	10.13	51.26	21.43	62.09	28.57	43.58	21.17
% Predators	31.65	27.04	24.29	5.97	27.73	21.91	9.82
% Scrapers	0.00	5.03	8.57	1.49	0.84	12.09	2.76
% Shredders	1.27	0.63	0.00	0.00	0.42	1.76	0.00
% Piercer-Herbivores	0.00	0.31	1.43	1.19	0.00	0.00	0.00
% Unclassified	56.96	15.41	37.14	27.16	41.60	11.08	65.95
Filterer Richness	0.00	0.00	1.00	1.00	1.00	3.00	1.00
Gatherer Richness	4.00	10.00	3.00	13.00	4.00	11.00	7.00
Predator Richness	9.00	9.00	7.00	8.00	12.00	14.00	12.00
Scraper Richness	0.00	4.00	3.00	3.00	2.00	3.00	2.00
Shredder Richness	1.00	2.00	0.00	0.00	1.00	2.00	0.00
Piercer-Herbivore Richness	0.00	1.00	1.00	1.00	0.00	0.00	0.00
Unclassified	4.00	5.00	3.00	3.00	4.00	4.00	7.00
Diversity/Evenness Measures							
Shannon-Weaver H' (log 10)	0.86	1.05	1.10	0.92	1.02	1.33	0.85
Shannon-Weaver H' (log 2)	2.86	3.50	3.66	3.05	3.37	4.42	2.82
Shannon-Weaver H' (log e)	1.99	2.43	2.54	2.12	2.34	3.06	1.96
Margalef's Richness	3.89	4.20	4.00	4.88	4.39	4.04	4.69
Pielou's J'	0.69	0.70	0.88	0.62	0.73	0.85	0.58
Simpson's Heterogeneity	0.76	0.85	0.91	0.81	0.87	0.93	0.72
Biotic Indices							
% Indiv. w/ HBI Value	40.51	76.42	48.57	48.06	56.30	78.59	29.45
Hilsenhoff Biotic Index	7.06	8.71	7.59	9.12	8.12	7.62	8.43
% Indiv. w/ MTI Value	25.32	41.51	18.57	5.37	19.33	45.84	8.59
Metals Tolerance Index	4.00	3.67	3.69	3.44	4.11	3.51	3.64
% Indiv. w/ FSBI Value	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Indiv. w/ TPM Value	1.27	1.57	5.71	5.07	0.00	8.31	0.31
Temp. Pref. Metric - average	0.11	0.06	0.22	0.10	-99.00	0.19	0.07
TPM - weighted average	2.00	2.00	1.50	1.94	-99.00	2.03	2.00

Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
Site	**C-2**	**C-3**	**C-3**	**C-4**	**C-4**	**C-5**	**C-5**
Rep	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
Date	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**	**08-02-2006**
Percent Subsampled	**100.00**	**19.80**	**100.00**	**87.72**	**100.00**	**5.36**	**83.33**
Device	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**	**Dipnet**	**Ponar**
Habitat	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**	**Vegetation**	**Sediment**
EcoAnalysts Sample ID	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Karr BIBI Metrics							
Long-Lived Taxa Richness	1.00	1.00	3.00	1.00	2.00	3.00	2.00
Clinger Richness	3.00	7.00	5.00	7.00	4.00	9.00	5.00
% Clingers	3.80	6.60	11.43	4.18	1.68	23.93	3.68
Intolerant Taxa Richness	0.00	1.00	0.00	1.00	1.00	1.00	0.00
% Tolerant Individuals	21.88	6.27	47.06	75.73	57.46	1.80	52.08
% Tolerant Taxa	33.33	31.25	22.22	43.33	32.00	29.73	34.48
Coleoptera Richness	2.00	3.00	1.00	2.00	1.00	1.00	0.00
Lake Metrics							
% Orthocladiinae	0.00	0.63	0.00	0.00	0.00	0.50	0.00
Orthocladiinae Richness	0.00	1.00	0.00	0.00	0.00	1.00	0.00
% Chironomini	1.27	33.65	0.00	2.09	0.42	28.21	0.61
Chironomini Richness	1.00	4.00	0.00	5.00	1.00	7.00	2.00
% Tanytarsini	0.00	0.00	0.00	0.00	0.00	6.80	0.31
% Chironomus	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Tanytarsus	0.00	0.00	0.00	0.00	0.00	6.80	0.31
% Dicrotendipes	0.00	0.00	0.00	0.30	0.00	0.00	0.00
% Dicrotendipes + Chironomus	0.00	0.00	0.00	0.30	0.00	0.00	0.00
% Corbicula	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Manayunkia speciosa	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Intolerant	0.00	0.41	0.00	0.62	0.75	1.92	0.00
% Intolerant Taxa (S.CA)	0.00	0.31	0.00	0.30	0.42	1.51	0.00
% Individuals w/ CAHBI value	20.25	7.86	20.00	3.88	18.07	17.38	7.36
% Intolerant Taxa (CAHBI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Sensitive EPT (CAHBI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% Non-Insect Individuals	13.92	24.21	41.43	65.07	46.22	39.04	34.97
% Non-Insect Taxa	22.22	34.38	50.00	53.33	48.00	43.24	48.28
% Crustacea + Mollusca	6.33	7.23	18.57	8.66	13.03	17.13	14.42
Average Abundance (per taxon)	4.39	50.18	3.89	12.73	9.52	200.30	13.49
UIN	857-26	857-27	857-28	857-29	857-30	857-31	857-32

Terrebonne Basin 2006
EcoAnalysts, Inc.
Total Density
***Ponar Samples only**

	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-11**	**C-12**	**C-13**	**C-14**	**C-15**	**C-6**	**C-7**
	Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**
	Date	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-08-2006**	**08-08-2006**	**08-02-2006**	**07-31-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
	Subsampling Correction	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
	Sample Area (m^2)	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**
	Device	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**
	Habitat	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	EcoAnalysts Sample ID	**4**	**6**	**8**	**10**	**12**	**14**	**16**
Ephemeroptera	Caenis diminuta	0.00	0.00	0.00	0.00	0.00	0.00	474.14
	Caenis sp.	0.00	0.00	0.00	0.00	0.00	129.31	0.00
	Callibaetis sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Ephemeroptera	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hexagenia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Stenacron interpunctatum	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Odonata	Coenagrion/Enallagma sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Coenagrionidae	0.00	0.00	0.00	0.00	0.00	129.31	215.52
	Enallagma sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Erythemis simplicicollis	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Gomphidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Libellulidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plecoptera	Campsurus decoloratus	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hemiptera	Belostoma sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Belostomatidae	0.00	0.00	0.00	0.00	0.00	0.00	43.10
	Corisella sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Corixidae	0.00	0.00	0.00	0.00	0.00	0.00	43.10
	Naucoridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pelocoris sp.	0.00	0.00	0.00	0.00	0.00	0.00	129.31
	Ranatra sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coleoptera	Berosus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Desmopachria sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dubiraphia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hydraena sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hydrocanthus sp.	0.00	0.00	0.00	0.00	0.00	0.00	43.10
	Hydrochus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hydrophilidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Noteridae	0.00	0.00	0.00	0.00	0.00	0.00	43.10
	Peltodytes sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Suphis sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Suphisellus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Tropisternus sp.	0.00	0.00	0.00	0.00	0.00	0.00	43.10

Terrebonne Basin 2006
EcoAnalysts, Inc.
Total Density
***Ponar Samples only**

	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-11**	**C-12**	**C-13**	**C-14**	**C-15**	**C-6**	**C-7**
	Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**
	Date	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-08-2006**	**08-08-2006**	**08-02-2006**	**07-31-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
	Subsampling Correction	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
	Sample Area (m^2)	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**
	Device	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**
	Habitat	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	EcoAnalysts Sample ID	**4**	**6**	**8**	**10**	**12**	**14**	**16**
Diptera-Chironomidae	Ablabesmyia annulata	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Ablabesmyia peleensis	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Ablabesmyia rhamphe gr.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Chironomini	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Chironomus sp.	0.00	0.00	0.00	43.10	0.00	0.00	0.00
	Cladopelma sp.	0.00	0.00	0.00	0.00	0.00	0.00	43.10
	Cladotanytarsus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Clinotanypus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Coelotanypus sp.	0.00	0.00	0.00	0.00	0.00	0.00	1,681.03
	Cryptochironomus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dicrotendipes lobus	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dicrotendipes lucifer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dicrotendipes simpsoni	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dicrotendipes sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Einfeldia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Endochironomus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Endotribelos sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Glyptotendipes sp.	0.00	0.00	0.00	0.00	0.00	0.00	4,741.38
	Goeldichironomus sp.	0.00	0.00	0.00	0.00	0.00	0.00	129.31
	Labrundinia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Larsia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Monopelopia sp.	0.00	0.00	0.00	0.00	0.00	0.00	172.41
	Nanocladius sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Parachironomus sp.	0.00	0.00	0.00	0.00	0.00	0.00	301.72
	Polypedilum fallax gr.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Polypedilum halterale gr.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Polypedilum sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Polypedilum trigonus	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Procladius sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pseudochironomus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pseudosmittia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Tanypus sp.	0.00	43.10	258.62	172.41	0.00	0.00	0.00
	Tanytarsus sp.	0.00	0.00	0.00	0.00	0.00	0.00	43.10
	Xenochironomus xenolabis	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Zavreliella sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Terrebonne Basin 2006
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Total Density
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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-11**	**C-12**	**C-13**	**C-14**	**C-15**	**C-6**	**C-7**
	Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**
	Date	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-08-2006**	**08-08-2006**	**08-02-2006**	**07-31-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
	Subsampling Correction	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
	Sample Area (m^2)	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**
	Device	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**
	Habitat	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	EcoAnalysts Sample ID	**4**	**6**	**8**	**10**	**12**	**14**	**16**
Diptera	Bezzia/Palpomyia sp.	0.00	0.00	0.00	0.00	0.00	43.10	43.10
	Ceratopogoninae	0.00	0.00	0.00	0.00	0.00	818.97	215.52
	Chaoborus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Coelopidae	0.00	0.00	0.00	0.00	43.10	0.00	0.00
	Culex sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Culicidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dasyhelea sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dolichopodidae	0.00	0.00	0.00	0.00	43.10	0.00	0.00
	Hedriodiscus/Odontomyia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Odontomyia sp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Probezzia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sphaeromias sp.	0.00	0.00	0.00	0.00	0.00	1,465.52	0.00
	Stratiomyidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trichoptera	Oecetis sp.	0.00	0.00	0.00	0.00	0.00	0.00	43.10
	Orthotrichia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lepidoptera	Lepidoptera	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Insecta	Climacia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda	Ancylidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Detracia floridana	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Ferrissia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Gastropoda	0.00	0.00	0.00	0.00	0.00	0.00	43.10
	Gyraulus sp.	0.00	0.00	0.00	0.00	0.00	0.00	86.21
	Hydrobiidae	0.00	0.00	0.00	43.10	0.00	732.76	43.10
	Laevapex sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Littorina sp.	0.00	301.72	0.00	0.00	0.00	0.00	0.00
	Micromenetus sp.	0.00	0.00	0.00	0.00	0.00	43.10	0.00
	Neritina sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Olividae	0.00	43.10	0.00	0.00	0.00	0.00	0.00
	Physa sp.	0.00	0.00	0.00	0.00	0.00	129.31	0.00
	Planorbidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pseudosuccinea columella	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	Anodonta imbecillis	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Bivalvia	0.00	301.72	0.00	0.00	0.00	0.00	0.00
	Dreissena polymorpha	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Eupera cubensis	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Musculium transversum	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sphaeriidae	0.00	0.00	0.00	0.00	0.00	258.62	129.31
	Unionidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Terrebonne Basin 2006
EcoAnalysts, Inc.
Total Density
***Ponar Samples only**

	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-11**	**C-12**	**C-13**	**C-14**	**C-15**	**C-6**	**C-7**
	Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**
	Date	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-08-2006**	**08-08-2006**	**08-02-2006**	**07-31-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
	Subsampling Correction	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
	Sample Area (m^2)	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**
	Device	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**
	Habitat	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	EcoAnalysts Sample ID	**4**	**6**	**8**	**10**	**12**	**14**	**16**
Annelida	Actinobdella sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Aulodrilus pigueti	0.00	0.00	0.00	0.00	0.00	43.10	0.00
	Bratislavia unidentata	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Chaetogaster sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dero furcata	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dero sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dorvilleidae	0.00	86.21	0.00	0.00	0.00	0.00	0.00
	Enchytraeidae	0.00	603.45	0.00	0.00	0.00	0.00	0.00
	Glossiphoniidae	0.00	0.00	0.00	0.00	0.00	258.62	344.83
	Glyceridae	0.00	43.10	0.00	0.00	0.00	0.00	0.00
	Helobdella elongata	0.00	0.00	0.00	0.00	0.00	0.00	431.03
	Helobdella stagnalis	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hirudinea	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Limnodrilus cervix	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Limnodrilus hoffmeisteri	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lumbricina	0.00	0.00	0.00	0.00	0.00	0.00	43.10
	Lumbriculidae	0.00	172.41	0.00	0.00	0.00	0.00	0.00
	Nais pardalis	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Nais sp.	0.00	43.10	0.00	0.00	0.00	0.00	0.00
	Nais variabilis	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Nereididae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Polychaeta	0.00	215.52	129.31	0.00	0.00	0.00	0.00
	Pristina leidyi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pristina osborni	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pristina sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Rhyacodrilus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Tubificidae w/ cap setae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Tubificidae w/o cap setae	0.00	129.31	86.21	0.00	0.00	172.41	1,293.10
Acari	Acari	0.00	0.00	0.00	0.00	0.00	0.00	172.41
	Arrenurus sp.	0.00	0.00	0.00	0.00	0.00	0.00	86.21
	Hydrachna sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Limnesia sp.	0.00	0.00	0.00	0.00	0.00	0.00	43.10
	Mideopsis sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Neumania sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Oribatei	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sperchon sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Unionicola sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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EcoAnalysts, Inc.
Total Density
***Ponar Samples only**

	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-11**	**C-12**	**C-13**	**C-14**	**C-15**	**C-6**	**C-7**
	Rep	**Marine**	**Marine**	**Marine**	**Marine**	**Marine**	**Freshwater/Marine**	**Freshwater/Marine**
	Date	**08-07-2006**	**08-07-2006**	**08-09-2006**	**08-08-2006**	**08-08-2006**	**08-02-2006**	**07-31-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**
	Subsampling Correction	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
	Sample Area (m^2)	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**
	Device	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**
	Habitat	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	EcoAnalysts Sample ID	**4**	**6**	**8**	**10**	**12**	**14**	**16**
Crustacea	Americamysis bahia	0.00	43.10	0.00	0.00	0.00	0.00	0.00
	Ampelisca sp.	129.31	0.00	0.00	0.00	0.00	0.00	0.00
	Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Apocorophium louisianum	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Balanomorpha	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Brachyura	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Cambaridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Caridea	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Cerapus cudjoe	43.10	0.00	0.00	0.00	0.00	0.00	0.00
	Cumacea	0.00	86.21	0.00	0.00	0.00	0.00	0.00
	Decapoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Gammarus sp.	0.00	0.00	0.00	0.00	0.00	0.00	818.97
	Grapsidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hargeria rapax	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hyalella sp.	0.00	0.00	0.00	0.00	0.00	0.00	3,836.21
	Leptocheliidae	43.10	0.00	0.00	0.00	0.00	0.00	0.00
	Lirceus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Melita sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Palaemonetes kadiakensis	0.00	0.00	0.00	0.00	0.00	0.00	172.41
	Palaemonetes pugio	0.00	0.00	0.00	43.10	0.00	0.00	0.00
	Palaemonetes sp.	0.00	43.10	0.00	0.00	0.00	0.00	0.00
	Penaeidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Porcellanidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Portunidae	0.00	43.10	0.00	0.00	0.00	0.00	0.00
	Probopyrus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sesarma sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sessilia	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sphaeroma sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Talitridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Uca sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Organisms	Hydra sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Nematoda	0.00	43.10	0.00	0.00	0.00	0.00	0.00
	Ophiuroidea	0.00	129.31	0.00	0.00	0.00	0.00	0.00
	Turbellaria	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		215.52	**2,370.69**	**474.14**	**301.72**	**86.21**	**4,224.14**	**15,991.38**

Terrebonne Basin 2006
EcoAnalysts, Inc.
Total Density
***Ponar Samples only**

	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-8**	**C-9**	**C-10**	**C-1**	**C-2**	**C-3**	**C-4**	**C-5**
	Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
	Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**83.33**
	Subsampling Correction	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.20**
	Sample Area (m^2)	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**
	Device	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**
	Habitat	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	EcoAnalysts Sample ID	**18**	**20**	**22**	**24**	**26**	**28**	**30**	**32**
Ephemeroptera	Caenis diminuta	129.31	0.00	258.62	43.10	0.00	301.72	1,767.24	155.18
	Caenis sp.	0.00	0.00	0.00	0.00	43.10	0.00	0.00	0.00
	Callibaetis sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.45
	Ephemeroptera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hexagenia sp.	0.00	0.00	0.00	0.00	0.00	0.00	43.10	0.00
	Stenacron interpunctatum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Odonata	Coenagrion/Enallagma sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Coenagrionidae	0.00	0.00	0.00	0.00	43.10	0.00	0.00	0.00
	Enallagma sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	258.63
	Erythemis simplicicollis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Gomphidae	0.00	0.00	0.00	0.00	0.00	0.00	43.10	0.00
	Libellulidae	0.00	0.00	86.21	0.00	0.00	0.00	0.00	0.00
Plecoptera	Campsurus decoloratus	0.00	0.00	0.00	0.00	1,508.62	517.24	862.07	8,276.19
Hemiptera	Belostoma sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Belostomatidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Corisella sp.	0.00	0.00	0.00	0.00	0.00	0.00	344.83	0.00
	Corixidae	0.00	43.10	0.00	0.00	0.00	43.10	0.00	0.00
	Naucoridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pelocoris sp.	0.00	43.10	0.00	0.00	0.00	0.00	0.00	103.45
	Ranatra sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coleoptera	Berosus sp.	0.00	0.00	0.00	0.00	0.00	0.00	43.10	0.00
	Desmopachria sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dubiraphia sp.	0.00	0.00	0.00	129.31	0.00	43.10	0.00	0.00
	Hydraena sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hydrocanthus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hydrochus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hydrophilidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Noteridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Peltodytes sp.	43.10	0.00	0.00	0.00	43.10	0.00	0.00	0.00
	Suphis sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Suphisellus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Tropisternus sp.	0.00	0.00	0.00	0.00	43.10	0.00	0.00	0.00

Terrebonne Basin 2006
EcoAnalysts, Inc.
Total Density
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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-8**	**C-9**	**C-10**	**C-1**	**C-2**	**C-3**	**C-4**	**C-5**
	Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
	Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**83.33**
	Subsampling Correction	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.20**
	Sample Area (m^2)	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**
	Device	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**
	Habitat	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	EcoAnalysts Sample ID	**18**	**20**	**22**	**24**	**26**	**28**	**30**	**32**
Diptera-Chironomidae	Ablabesmyia annulata	0.00	0.00	0.00	0.00	86.21	0.00	172.41	103.45
	Ablabesmyia peleensis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Ablabesmyia rhamphe gr.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Chironomini	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Chironomus sp.	344.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Cladopelma sp.	0.00	0.00	0.00	387.93	0.00	0.00	0.00	0.00
	Cladotanytarsus sp.	0.00	0.00	0.00	344.83	0.00	0.00	0.00	0.00
	Clinotanypus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Coelotanypus sp.	560.34	43.10	0.00	0.00	43.10	0.00	43.10	51.73
	Cryptochironomus sp.	43.10	0.00	86.21	43.10	43.10	0.00	43.10	51.73
	Dicrotendipes lobus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dicrotendipes lucifer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dicrotendipes simpsoni	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dicrotendipes sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Einfeldia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Endochironomus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Endotribelos sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Glyptotendipes sp.	1,853.45	0.00	0.00	0.00	0.00	0.00	0.00	51.73
	Goeldichironomus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Labrundinia sp.	0.00	0.00	0.00	0.00	43.10	86.21	0.00	0.00
	Larsia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Monopelopia sp.	0.00	43.10	0.00	0.00	0.00	0.00	0.00	0.00
	Nanocladius sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Parachironomus sp.	129.31	0.00	172.41	0.00	0.00	0.00	0.00	0.00
	Polypedilum fallax gr.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Polypedilum halterale gr.	0.00	0.00	0.00	215.52	0.00	0.00	0.00	0.00
	Polypedilum sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Polypedilum trigonus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Procladius sp.	129.31	0.00	43.10	0.00	43.10	0.00	0.00	258.63
	Pseudochironomus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pseudosmittia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Tanypus sp.	344.83	43.10	0.00	0.00	0.00	0.00	0.00	0.00
	Tanytarsus sp.	43.10	0.00	43.10	129.31	0.00	0.00	0.00	51.73
	Xenochironomus xenolabis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Zavreliella sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Terrebonne Basin 2006
EcoAnalysts, Inc.
Total Density
***Ponar Samples only**

	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-8**	**C-9**	**C-10**	**C-1**	**C-2**	**C-3**	**C-4**	**C-5**
	Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
	Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**83.33**
	Subsampling Correction	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.20**
	Sample Area (m^2)	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**
	Device	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**
	Habitat	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	EcoAnalysts Sample ID	**18**	**20**	**22**	**24**	**26**	**28**	**30**	**32**
Diptera	Bezzia/Palpomyia sp.	0.00	43.10	129.31	43.10	0.00	86.21	0.00	51.73
	Ceratopogoninae	1,465.52	0.00	0.00	86.21	646.55	172.41	1,422.41	0.00
	Chaoborus sp.	0.00	0.00	0.00	0.00	86.21	301.72	0.00	103.45
	Coelopidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Culex sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Culicidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dasyhelea sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.44
	Dolichopodidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hedriodiscus/Odontomyia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Odontomyia sp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Probezzia sp.	0.00	0.00	0.00	0.00	86.21	215.52	172.41	0.00
	Sphaeromias sp.	1,250.00	0.00	0.00	0.00	172.41	0.00	517.24	672.44
	Stratiomyidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trichoptera	Oecetis sp.	0.00	0.00	0.00	43.10	0.00	0.00	43.10	0.00
	Orthotrichia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lepidoptera	Lepidoptera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Insecta	Climacia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda	Ancylidae	0.00	43.10	0.00	0.00	0.00	0.00	0.00	0.00
	Detracia floridana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Ferrissia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Gastropoda	0.00	0.00	43.10	0.00	0.00	0.00	0.00	0.00
	Gyraulus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hydrobiidae	43.10	43.10	0.00	43.10	0.00	172.41	43.10	258.63
	Laevapex sp.	0.00	0.00	0.00	43.10	0.00	0.00	43.10	0.00
	Littorina sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Micromenetus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Neritina sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Olividae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Physa sp.	43.10	0.00	0.00	0.00	0.00	43.10	43.10	206.90
	Planorbidae	0.00	0.00	0.00	0.00	0.00	43.10	0.00	0.00
	Pseudosuccinea columella	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia	Anodonta imbecillis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Bivalvia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dreissena polymorpha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Eupera cubensis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Musculium transversum	0.00	0.00	0.00	0.00	0.00	0.00	1,120.69	1,758.69
	Sphaeriidae	43.10	0.00	0.00	0.00	0.00	215.52	0.00	0.00
	Unionidae	0.00	0.00	0.00	0.00	0.00	0.00	43.10	0.00

Terrebonne Basin 2006
EcoAnalysts, Inc.
Total Density
***Ponar Samples only**

	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-8**	**C-9**	**C-10**	**C-1**	**C-2**	**C-3**	**C-4**	**C-5**
	Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
	Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**83.33**
	Subsampling Correction	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.20**
	Sample Area (m^2)	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**
	Device	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**
	Habitat	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	EcoAnalysts Sample ID	**18**	**20**	**22**	**24**	**26**	**28**	**30**	**32**
Annelida	Actinobdella sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.73
	Aulodrilus pigueti	603.45	0.00	0.00	0.00	0.00	0.00	0.00	51.73
	Bratislavia unidentata	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Chaetogaster sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dero furcata	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Dero sp.	172.41	0.00	43.10	0.00	0.00	0.00	258.62	0.00
	Dorvilleidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Enchytraeidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Glossiphoniidae	0.00	0.00	0.00	0.00	0.00	0.00	43.10	0.00
	Glyceridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Helobdella elongata	0.00	0.00	0.00	0.00	0.00	0.00	129.31	258.63
	Helobdella stagnalis	86.21	0.00	0.00	0.00	0.00	0.00	0.00	51.73
	Hirudinea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.73
	Limnodrilus cervix	0.00	1,982.76	0.00	0.00	0.00	0.00	0.00	0.00
	Limnodrilus hoffmeisteri	0.00	0.00	0.00	0.00	215.52	0.00	0.00	2,431.13
	Lumbricina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lumbriculidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Nais pardalis	0.00	0.00	0.00	43.10	0.00	0.00	0.00	0.00
	Nais sp.	0.00	0.00	0.00	86.21	0.00	0.00	0.00	0.00
	Nais variabilis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Nereididae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Polychaeta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pristina leidyi	0.00	0.00	0.00	43.10	0.00	0.00	0.00	0.00
	Pristina osborni	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pristina sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Rhyacodrilus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Tubificidae w/ cap setae	43.10	0.00	0.00	0.00	0.00	0.00	0.00	51.73
	Tubificidae w/o cap setae	2,500.00	0.00	86.21	1,982.76	0.00	517.24	2,586.21	0.00
Acari	Acari	43.10	0.00	0.00	0.00	43.10	43.10	43.10	51.73
	Arrenurus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hydrachna sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Limnesia sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Mideopsis sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Neumania sp.	0.00	0.00	0.00	43.10	0.00	0.00	0.00	0.00
	Oribatei	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sperchon sp.	0.00	0.00	0.00	0.00	0.00	43.10	0.00	0.00
	Unionicola sp.	0.00	0.00	0.00	0.00	0.00	86.21	0.00	51.73

Terrebonne Basin 2006
EcoAnalysts, Inc.
Total Density
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	Stream	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**	**Terrebonne Basin**
	Site	**C-8**	**C-9**	**C-10**	**C-1**	**C-2**	**C-3**	**C-4**	**C-5**
	Rep	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater/Marine**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**	**Freshwater**
	Date	**08-02-2006**	**07-31-2006**	**07-31-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-01-2006**	**08-02-2006**
	Percent Subsampled	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	**83.33**
	Subsampling Correction	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.20**
	Sample Area (m^2)	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**	**0.0232**
	Device	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**	**Ponar**
	Habitat	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	EcoAnalysts Sample ID	**18**	**20**	**22**	**24**	**26**	**28**	**30**	**32**
Crustacea	Americamysis bahia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Ampelisca sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Amphipoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Apocorophium louisianum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Balanomorpha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Brachyura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Cambaridae	0.00	0.00	43.10	0.00	0.00	0.00	0.00	0.00
	Caridea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Cerapus cudjoe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Cumacea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Decapoda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Gammarus sp.	0.00	0.00	258.62	0.00	0.00	0.00	43.10	206.90
	Grapsidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hargeria rapax	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Hyalella sp.	215.52	0.00	43.10	0.00	43.10	86.21	0.00	0.00
	Leptocheliidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Lirceus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Melita sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Palaemonetes kadiakensis	0.00	0.00	43.10	0.00	172.41	0.00	0.00	0.00
	Palaemonetes pugio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Palaemonetes sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Penaeidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Porcellanidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Portunidae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Probopyrus sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sesarma sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sessilia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sphaeroma sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Talitridae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Uca sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Organisms	Hydra sp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Nematoda	172.41	0.00	0.00	172.41	0.00	0.00	344.83	413.81
	Ophiuroidea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Turbellaria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		10,301.72	**2,327.59**	**1,379.31**	**3,922.41**	**3,405.17**	**3,017.24**	**10,258.62**	**16,862.74**

Terrebonne Basin 2006
EcoAnalysts, Inc.
Sorting Efficacy

Sample ID	Site	Rep	Sorter	Sort Date	Sorted Grids	Total Grids	Sort Count	Total Sort Time	QC Sorter	QC Date	QC Count	QC Time	Efficacy 1	Efficacy 2	Efficacy 3	Total Time	Matrix	Pre-Rinse Volume (L)	Post-Rinse Volume (L)
857-3	C-11	Marine	Debra Tamosauskas	09/21/06	6.00	6.00	179	12.00	Kristy Decker	09/27/06	2	1.00	94.91	N/A	N/A	13.00	coarse organic	0.40	0.40
857-4	C-11	Marine	Lori Robinson	09/22/06	42.00	42.00	5	15.50	Kristy Decker	09/27/06	0	2.25	100.00	N/A	N/A	17.75	fine organic	2.00	1.70
857-5	C-12	Marine	Chuck Gross	09/26/06	12.00	12.00	81	9.00	Kristy Decker	09/27/06	0	0.75	100.00	N/A	N/A	9.75	vegetation	1.00	1.00
857-6	C-12	Marine	Susie Yount	09/25/06	42.00	42.00	32	10.25	Kristy Decker	09/27/06	3	1.50	68.97	100.00	N/A	21.25	fine organic	1.50	1.50
857-7	C-13	Marine	Jacob Howell	09/22/06	12.00	12.00	299	5.00	Kristy Decker	09/27/06	1	0.75	98.42	N/A	N/A	5.75	vegetation	0.70	0.70
857-8	C-13	Marine	Rachel Bockmier	09/25/06	42.00	42.00	3	7.75	Lori Robinson	09/28/06	2	1.75	23.29	37.78	100.00	17.00	fine organic	2.00	2.00
857-9	C-14	Marine	Jacob Howell	09/23/06	12.00	12.00	150	4.00	Kristy Decker	09/27/06	2	0.75	93.98	95.00	N/A	5.50	vegetation	0.50	0.50
857-10	C-14	Marine	Rachel Bockmier	09/25/06	42.00	42.00	7	4.50	Lori Robinson	09/29/06	0	2.25	100.00	N/A	N/A	6.75	fine organic	1.00	1.00
857-11	C-15	Marine	Jacob Howell	09/24/06	6.00	6.00	47	3.00	Kristy Decker	09/28/06	0	0.50	100.00	N/A	N/A	3.50	vegetation	0.20	0.20
857-12	C-15	Marine	Debra Tamosauskas	09/27/06	42.00	42.00	2	20.75	Kristy Decker	09/28/06	0	1.25	100.00	N/A	N/A	22.00	vegetation	1.20	1.20
857-13	C-6	Freshwater/Marine	Jacob Howell	09/27/06	5.25	84.00	352	10.00	Kristy Decker	09/28/06	6	0.75	92.44	95.20	N/A	14.00	filamentous algae	2.75	2.75
857-14	C-6	Freshwater/Marine	Lori Robinson	09/27/06	42.00	42.00	96	11.00	Kristy Decker	09/28/06	5	2.50	79.53	76.33	100.00	30.00	fine organic	1.50	1.40
857-15	C-7	Freshwater/Marine	Susie Yount	09/26/06	2.50	42.00	365	3.25	Lori Robinson	09/28/06	27	0.75	77.17	99.07	N/A	5.75	vegetation	3.00	3.00
857-16	C-7	Freshwater/Marine	Susie Yount	09/28/06	42.00	42.00	355	17.50	Lori Robinson	09/29/06	10	3.25	87.78	97.55	N/A	30.25	fine organic	2.00	2.00
857-17	C-8	Freshwater/Marine	Chuck Gross	09/28/06	0.63	42.00	386	6.00	Lori Robinson	09/29/06	1	0.50	98.97	N/A	N/A	6.50	vegetation	3.00	3.00
857-18	C-8	Freshwater/Marine	Rachel Bockmier	09/28/06	42.00	42.00	133	11.25	Lori Robinson	10/02/06	5	1.50	84.33	86.63	100.00	26.75	fine organic	1.00	1.00
857-19	**C-9**	**Freshwater/Marine**	**Susie Yount**	**09/28/06**	**2.50**	**24.00**	**366**	**3.50**	**Lori Robinson**	**09/28/06**	**10**	**1.50**	**90.15**	**100.00**	**N/A**	**6.00**	**vegetation**	**1.00**	**1.00**
857-20	C-9	Freshwater/Marine	Lori Robinson	09/28/06	4.00	4.00	59	3.75	Kristy Decker	09/29/06	1	0.25	93.65	N/A	N/A	4.25	fine organic	0.20	0.10
857-21	C-10	Freshwater/Marine	Susie Yount	09/28/06	3.00	42.00	357	6.00	Kristy Decker	09/29/06	25	1.00	78.12	95.04	N/A	8.00	vegetation	2.50	2.50
857-22	**C-10**	**Freshwater/Marine**	**Rachel Bockmier**	**10/01/06**	**84.00**	**84.00**	**28**	**9.50**	**Lori Robinson**	**10/03/06**	**1**	**3.50**	**85.00**	**N/A**	**N/A**	**13.00**	**fine organic**	**5.00**	**5.00**
857-23	C-1	Freshwater	Chuck Gross	10/03/06	4.00	4.00	156	4.25	Lori Robinson	10/03/06	1	0.50	99.36	N/A	N/A	4.75	vegetation	0.05	0.05
857-24	C-1	Freshwater	Susie Yount	09/29/06	24.00	24.00	77	5.25	Lori Robinson	10/02/06	4	1.00	80.04	95.24	N/A	9.75	fine organic	1.00	1.00
857-25	C-2	Freshwater	Susie Yount	09/30/06	11.00	24.00	327	7.00	Lori Robinson	10/02/06	5	0.50	94.24	98.71	N/A	10.50	vegetation	1.00	1.00
857-26	C-2	Freshwater	Susie Yount	10/02/06	24.00	24.00	93	5.00	Lori Robinson	10/03/06	1	0.75	95.88	N/A	N/A	5.75	coarse organic	1.00	1.00
857-27	C-3	Freshwater	Jacob Howell	10/04/06	9.50	48.00	591	11.75	Lori Robinson	10/05/06	48	2.00	71.95	98.86	N/A	19.50	vegetation	1.00	1.00
857-28	C-3	Freshwater	Debra Tamosauskas	10/02/06	6.00	6.00	66	3.00	Lori Robinson	10/03/06	2	0.50	89.19	100.00	N/A	5.25	fine organic	0.40	0.20
857-29	C-4	Freshwater	Jacob Howell	10/02/06	5.25	6.00	327	6.00	Lori Robinson	10/03/06	7	0.75	92.11	95.79	N/A	8.50	filamentous algae	0.40	0.40
857-30	C-4	Freshwater	Susie Yount	10/02/06	12.00	12.00	216	5.25	Lori Robinson	10/03/06	6	0.75	90.00	96.83	N/A	8.25	fine organic	0.30	0.20
857-31	C-5	Freshwater	Debra Tamosauskas	10/03/06	2.25	42.00	326	9.25	Lori Robinson	10/03/06	23	1.00	77.99	94.62	N/A	13.50	vegetation	0.00	0.00
857-32	C-5	Freshwater	Susie Yount	10/03/06	10.00	12.00	326	6.00	Lori Robinson	10/03/06	2	0.50	97.60	N/A	N/A	6.50	fine organic	0.30	0.30

Terrebonne Basin 2006
EcoAnalysts, Inc.
General Identification Quality Check

857-9-QC		TIN	Original (mhill)	QC (jpfeiffer)
Amphipoda		116	0	1
Apocorophium louisianum		3948	4	0
Apocorophium sp.		3955	0	4
Brachyura		3885	2	2
Detracia floridana		3950	1	0
Detracia sp.		3954	0	2
Flabellifera		3903	0	17
Gammarus sp.		118	6	7
Gastropoda		77	1	0
Hydrobiidae		80	79	79
Littorina sp.		3939	1	1
Palaemonetes pugio		3952	0	17
Sphaeroma sp.		3944	16	0
Talitridae		119	2	0
Percent Similarity:	**68.43**	**Total**	**112**	**130**

857-20-QC		TIN	Original (cfishel)	QC (jpfeiffer)
Ancylidae		78	0	1
Bezzia/Palpomyia sp.		3034	0	1
Corixidae		290	1	1
Gastropoda		77	1	0
Hydrobiidae		80	1	1
Ostracoda		121	3	3
Pelocoris sp.		1685	1	1
Percent Similarity:	**75.00**	**Total**	**7**	**8**

857-23-QC		TIN	Original (cfishel)	QC (jpfeiffer)
Berosus sp.		490	1	1
Caenis sp.		153	1	1
Corisella sp.		295	6	0
Corixidae		290	0	6
Hyalella sp.		1157	6	4
Hydrochus sp.		1237	1	1
Libellulidae		284	1	1
Ostracoda		121	105	99
Palaemonetes kadiakensis		2694	4	4
Physa sp.		93	1	1
Planorbidae		95	1	1
Percent Similarity:	**93.91**	**Total**	**127**	**119**

Terrebonne Basin 2006
EcoAnalysts, Inc.
Chironomidae Identification Quality Check

857-9-QC		TIN	Original (whoiland)	QC (bkrestian)
Dicrotendipes lobus			4	0
Dicrotendipes modestus		942	0	4
Percent Similarity:	**0.00**	**Total**	**4**	**4**

857-20-QC		TIN	Original (whoiland)	QC (bkrestian)
Coelotanypus sp.		775	1	1
Monopelopia sp.		792	1	1
Tanypus sp.		802	1	1
Percent Similarity:	**100.00**	**Total**	**3**	**3**

857-23-QC		TIN	Original (whoiland)	QC (bkrestian)
Ablabesmyia peleensis		3685	4	0
Ablabesmyia rhamphe gr.		3883	0	4
Dicrotendipes modestus		942	0	1
Glyptotendipes sp.		950	20	19
Goeldichironomus sp.		951	3	3
Tanytarsus sp.		1029	3	3
Percent Similarity:	**83.33**	**Total**	**30**	**30**

Terrebonne Basin 2006
EcoAnalysts, Inc.
Chironomidae Identification Quality Check

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
126	1	Acari				3	857	857-3	1 in ref. coll.	mhill	10/16/2006
3946	8	Americamysis bahia				3	857	857-3	5 aggregated, 1 in ref. coll.	mhill	10/16/2006
3948	22	Apocorophium louisianum				3	857	857-3	9 aggregated, 3 retained by EI, 1 in ref. coll.	mhill	10/16/2006
3931	3	Balanomorpha				3	857	857-3	1 in ref. coll.	mhill	10/20/2006
1401	15	Bivalvia				3	857	857-3	immature,, 1 in ref. coll.	mhill	10/16/2006
3885	4	Brachyura				3	857	857-3	immature, condition, 1 in ref. coll.	mhill	10/16/2006
3932	16	Coelopidae	9	7	0	3	857	857-3	indeterminate, 1 in ref. coll.	mhill	10/16/2006
122	1	Decapoda				3	857	857-3	immature, 1 in ref. coll.	mhill	10/16/2006
9	6	Enchytraeidae				3	857	857-3		Larry Abele	11/3/2006
77	11	Gastropoda				3	857	857-3	1 in ref. coll., immature	mhill	10/16/2006
3951	19	Hargeria rapax				3	857	857-3	4 in ref. coll., 18 aggregated	mhill	10/16/2006
67	1	Nematoda				3	857	857-3	1 in ref. coll.	mhill	10/16/2006
121	1	Ostracoda				3	857	857-3	1 in ref. coll.	mhill	10/16/2006
3952	23	Palaemonetes pugio				3	857	857-3	1 in ref. coll., 1 retained by EI	mhill	10/17/2006
3925	2	Penaeidae				3	857	857-3	immature, 1 aggregated, 1 in ref. coll.	mhill	10/16/2006
3236	3	Polychaeta				3	857	857-3		Larry Abele	11/3/2006
3936	5	Portunidae				3	857	857-3	immature, 1 in ref. coll.	mhill	10/16/2006
3944	6	Sphaeroma sp.				3	857	857-3	1 in ref. coll.	mhill	10/20/2006
1348	1	Tubificidae w/o cap setae				3	857	857-3		Larry Abele	11/3/2006
3938	3	Ampelisca sp.				4	857	857-4	condition, 1 in ref. coll.	mhill	10/17/2006
3949	1	Cerapus cudjoe				4	857	857-4	1 in ref. coll.	mhill	10/17/2006
3937	1	Leptocheliidae				4	857	857-4	immature, 1 in ref. coll.	mhill	10/17/2006
3946	4	Americamysis bahia				5	857	857-5	3 aggregated	mhill	10/19/2006
116	1	Amphipoda				5	857	857-5	immature, 1 in ref. coll.	mhill	10/19/2006
3885	7	Brachyura				5	857	857-5	immature,	mhill	10/19/2006
3932	5	Coelopidae	2	3	0	5	857	857-5		mhill	10/19/2006
122	1	Decapoda				5	857	857-5	condition,	mhill	10/19/2006
9	13	Enchytraeidae				5	857	857-5		Larry Abele	11/3/2006
77	4	Gastropoda				5	857	857-5	immature	mhill	10/19/2006
3934	4	Grapsidae				5	857	857-5	immature, 1 in ref. coll.	mhill	10/19/2006
3939	34	Littorina sp.				5	857	857-5	1 in ref. coll.	mhill	10/19/2006
6	1	Lumbriculidae				5	857	857-5		Larry Abele	11/3/2006
3554	1	Nereididae				5	857	857-5	1 in ref. coll.	mhill	10/19/2006
3930	2	Ophiuroidea				5	857	857-5	immature, 1 in ref. coll.	mhill	10/19/2006
2366	2	Palaemonetes sp.				5	857	857-5	condition, 1 in ref. coll.	mhill	10/19/2006
3926	1	Porcellanidae				5	857	857-5	immature, 1 in ref. coll.	mhill	10/19/2006
3936	1	Portunidae				5	857	857-5	immature	mhill	10/19/2006
3924	1	Sessilia				5	857	857-5	condition, 1 in ref. coll.	mhill	10/19/2006
1348	1	Tubificidae w/o cap setae				5	857	857-5		Larry Abele	11/3/2006
3945	3	Uca sp.				5	857	857-5	2 aggregated, 1 in ref. coll.	mhill	10/19/2006
3946	1	Americamysis bahia				6	857	857-6		mhill	10/19/2006
1401	7	Bivalvia				6	857	857-6	immature	mhill	10/19/2006
3871	2	Cumacea				6	857	857-6	condition, 1 in ref. coll.	mhill	10/19/2006
3899	2	Dorvilleidae				6	857	857-6	1 in ref. coll.	mhill	10/19/2006
9	14	Enchytraeidae				6	857	857-6		Larry Abele	11/3/2006
3933	1	Glyceridae				6	857	857-6	1 in ref. coll.	mhill	10/19/2006
3939	7	Littorina sp.				6	857	857-6	1 aggregated	mhill	10/19/2006
6	4	Lumbriculidae				6	857	857-6		Larry Abele	11/3/2006
51	1	Nais sp.				6	857	857-6		Larry Abele	11/3/2006
67	1	Nematoda				6	857	857-6		mhill	10/19/2006
3935	1	Olividae				6	857	857-6	immature, 1 in ref. coll.	mhill	10/19/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
3930	3	Ophiuroidea				6	857	857-6	immature	mhill	10/19/2006
2366	1	Palaemonetes sp.				6	857	857-6	immature,	mhill	10/19/2006
3236	5	Polychaeta				6	857	857-6		Larry Abele	11/3/2006
3936	1	Portunidae				6	857	857-6	immature	mhill	10/19/2006
802	1	Tanypus sp.	1	0	0	6	857	857-6		whoiland	10/17/2006
1348	3	Tubificidae w/o cap setae				6	857	857-6		Larry Abele	11/3/2006
126	3	Acari				7	857	857-7		mhill	10/19/2006
3948	2	Apocorophium louisianum				7	857	857-7		mhill	10/19/2006
1401	3	Bivalvia				7	857	857-7	immature	mhill	10/19/2006
3932	3	Coelopidae	1	2	0	7	857	857-7		mhill	10/19/2006
3950	1	Detracia floridana				7	857	857-7	1 in ref. coll.	mhill	10/19/2006
9	6	Enchytraeidae				7	857	857-7		Larry Abele	11/3/2006
80	94	Hydrobiidae				7	857	857-7	1 in ref. coll.	mhill	10/19/2006
3937	2	Leptocheliidae				7	857	857-7	condition	mhill	10/19/2006
3939	1	Littorina sp.				7	857	857-7		mhill	10/19/2006
3940	1	Melita sp.				7	857	857-7	1 in ref. coll.	mhill	10/19/2006
3941	1	Neritina sp.				7	857	857-7	1 in ref. coll.	mhill	10/19/2006
3956	1	Not on list.	1	0	0	7	857	857-7	Dicrotendipes lobus, 1 in ref. coll.	whoiland	10/13/2006
3952	121	Palaemonetes pugio				7	857	857-7	110 aggregated	mhill	10/19/2006
3236	4	Polychaeta				7	857	857-7		Larry Abele	11/3/2006
3936	12	Portunidae				7	857	857-7	immature	mhill	10/19/2006
3942	1	Probopyrus sp.				7	857	857-7	1 in ref. coll.	mhill	10/19/2006
3944	25	Sphaeroma sp.				7	857	857-7		mhill	10/20/2006
119	4	Talitridae				7	857	857-7	1 in ref. coll.	mhill	10/19/2006
3236	3	Polychaeta				8	857	857-8		Larry Abele	11/3/2006
802	6	Tanypus sp.	6	0	0	8	857	857-8	2 in ref. coll.	whoiland	10/13/2006
1348	2	Tubificidae w/o cap setae				8	857	857-8		Larry Abele	11/3/2006
3948	4	Apocorophium louisianum				9	857	857-9		mhill	10/19/2006
3885	2	Brachyura				9	857	857-9	immature	mhill	10/19/2006
3950	1	Detracia floridana				9	857	857-9		mhill	10/19/2006
9	11	Enchytraeidae				9	857	857-9		Larry Abele	11/3/2006
118	7	Gammarus sp.				9	857	857-9	4 aggregated, 1 in ref. coll.	mhill	10/19/2006
77	1	Gastropoda				9	857	857-9	condition	mhill	10/19/2006
80	79	Hydrobiidae				9	857	857-9		mhill	10/20/2006
3939	1	Littorina sp.				9	857	857-9		mhill	10/19/2006
3956	7	Not on list.	6	1	0	9	857	857-9	Dicrotendipes lobes.3 in ref. coll.	whoiland	10/13/2006
3952	17	Palaemonetes pugio				9	857	857-9		mhill	10/19/2006
906	2	Pseudosmittia sp.	2	0	0	9	857	857-9	2 in ref. coll.	whoiland	10/13/2006
3944	16	Sphaeroma sp.				9	857	857-9		mhill	10/20/2006
119	2	Talitridae				9	857	857-9		mhill	10/19/2006
1348	2	Tubificidae w/o cap setae				9	857	857-9		Larry Abele	11/3/2006
930	1	Chironomus sp.	1	0	0	10	857	857-10	1 in ref. coll.	whoiland	10/13/2006
80	1	Hydrobiidae				10	857	857-10		mhill	10/19/2006
3952	1	Palaemonetes pugio				10	857	857-10		mhill	10/19/2006
802	4	Tanypus sp.	4	0	0	10	857	857-10		whoiland	10/13/2006
126	1	Acari				11	857	857-11		mhill	10/19/2006
3938	2	Ampelisca sp.				11	857	857-11		mhill	10/19/2006
1401	2	Bivalvia				11	857	857-11	immature	mhill	10/19/2006
3901	1	Caridea				11	857	857-11	condition	mhill	10/19/2006
3932	12	Coelopidae	9	3	0	11	857	857-11		mhill	10/19/2006
290	1	Corixidae	1	0	0	11	857	857-11	condition, 1 in ref. coll.	mhill	10/19/2006
9	1	Enchytraeidae				11	857	857-11		Larry Abele	11/3/2006
80	18	Hydrobiidae				11	857	857-11		mhill	10/19/2006
3939	3	Littorina sp.				11	857	857-11		mhill	10/19/2006
3956	3	Not on list.	3	0	0	11	857	857-11	Dicrotendipes lobus	whoiland	10/13/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
3936	1	Portunidae				11	857	857-11	immature	mhill	10/19/2006
3943	1	Sesarma sp.				11	857	857-11	1 in ref. coll.	mhill	10/19/2006
3944	1	Sphaeroma sp.				11	857	857-11		mhill	10/20/2006
119	2	Talitridae				11	857	857-11		mhill	10/19/2006
3932	1	Coelopidae	1	0	0	12	857	857-12	1 in ref. coll.	mhill	10/20/2006
1149	1	Dolichopodidae	1	0	0	12	857	857-12	1 in ref. coll.	mhill	10/20/2006
3685	1	Ablabesmyia peleensis	1	0	0	13	857	857-13		whoiland	10/17/2006
3034	4	Bezzia/Palpomyia sp.	4	0	0	13	857	857-13	1 in ref. coll.	mhill	10/20/2006
2419	4	Bratislavia unidentata				13	857	857-13		Larry Abele	11/3/2006
1425	26	Caenis diminuta	26	0	0	13	857	857-13	20 aggregated, 1 in ref. coll.	mhill	10/20/2006
146	1	Callibaetis sp.	1	0	0	13	857	857-13	1 in ref. coll.	mhill	10/20/2006
1032	1	Ceratopogoninae	1	0	0	13	857	857-13	1 in ref. coll.	mhill	10/20/2006
35	1	Chaetogaster sp.				13	857	857-13		Larry Abele	11/3/2006
271	9	Coenagrionidae	9	0	0	13	857	857-13	condition, 1 in ref. coll.	mhill	10/20/2006
1962	1	Dasyhelea sp.	1	0	0	13	857	857-13	1 in ref. coll.	mhill	10/20/2006
37	1	Dero furcata				13	857	857-13		Larry Abele	11/3/2006
41	65	Dero sp.				13	857	857-13		Larry Abele	11/3/2006
943	1	Dicrotendipes simpsoni	1	0	0	13	857	857-13	1 in ref. coll.	whoiland	10/17/2006
944	13	Dicrotendipes sp.	13	0	0	13	857	857-13	immature,	whoiland	10/17/2006
945	3	Einfeldia sp.	3	0	0	13	857	857-13	2 in ref. coll.	whoiland	10/17/2006
79	11	Ferrissia sp.				13	857	857-13	3 aggregated, 1 in ref. coll.	mhill	10/20/2006
950	12	Glyptotendipes sp.	12	0	0	13	857	857-13		whoiland	10/17/2006
96	4	Gyraulus sp.				13	857	857-13	1 in ref. coll.	mhill	10/20/2006
1157	4	Hyalella sp.				13	857	857-13	1 in ref. coll.	mhill	10/20/2006
80	4	Hydrobiidae				13	857	857-13		mhill	10/20/2006
788	6	Labrundinia sp.	5	1	0	13	857	857-13	1 aggregated	whoiland	10/17/2006
789	10	Larsia sp.	10	0	0	13	857	857-13	5 aggregated	whoiland	10/17/2006
284	1	Libellulidae	1	0	0	13	857	857-13	immature, 1 in ref. coll.	mhill	10/20/2006
3781	4	Micromenetus sp.				13	857	857-13	1 in ref. coll.	mhill	10/20/2006
878	2	Nanocladius sp.	2	0	0	13	857	857-13		whoiland	10/17/2006
306	1	Naucoridae	1	0	0	13	857	857-13	immature, 1 in ref. coll.	mhill	10/20/2006
1063	4	Odontomyia sp	4	0	0	13	857	857-13	1 in ref. coll.	mhill	10/20/2006
597	1	Oecetis sp.	1	0	0	13	857	857-13	condition, 1 in ref. coll.	mhill	10/20/2006
579	2	Orthotrichia sp.	2	0	0	13	857	857-13	1 in ref. coll.	mhill	10/20/2006
121	10	Ostracoda				13	857	857-13		mhill	10/20/2006
2694	3	Palaemonetes kadiakensis				13	857	857-13	1 in ref. coll.	mhill	10/20/2006
964	37	Parachironomus sp.	31	6	0	13	857	857-13	2 aggregated	whoiland	10/17/2006
487	4	Peltodytes sp.	4	0	0	13	857	857-13	1 in ref. coll.	mhill	10/20/2006
93	24	Physa sp.				13	857	857-13	1 in ref. coll.	mhill	10/20/2006
95	3	Planorbidae				13	857	857-13	immature, 1 in ref. coll.	mhill	10/20/2006
988	1	Polypedilum sp.	1	0	0	13	857	857-13	immature, 1 in ref. coll.	whoiland	10/17/2006
3747	4	Polypedilum trigonus	4	0	0	13	857	857-13		whoiland	10/17/2006
55	30	Pristina leidyi				13	857	857-13		Larry Abele	11/3/2006
1974	1	Sphaeromias sp.	1	0	0	13	857	857-13	1 in ref. coll.	mhill	10/20/2006
1859	1	Suphisellus sp.	1	0	0	13	857	857-13	1 in ref. coll.	mhill	10/20/2006
802	1	Tanypus sp.	1	0	0	13	857	857-13		whoiland	10/17/2006
1029	3	Tanytarsus sp.	3	0	0	13	857	857-13		whoiland	10/17/2006
1348	22	Tubificidae w/o cap setae				13	857	857-13		Larry Abele	11/3/2006
2	4	Turbellaria				13	857	857-13	1 in ref. coll.	mhill	10/20/2006
1001	2	Xenochironomus xenolabis	2	0	0	13	857	857-13		whoiland	10/17/2006
13	1	Aulodrilus pigueti				14	857	857-14		Larry Abele	11/3/2006
3034	1	Bezzia/Palpomyia sp.	1	0	0	14	857	857-14		cfishel	10/20/2006
153	3	Caenis sp.	3	0	0	14	857	857-14	immature,	cfishel	10/20/2006
1032	19	Ceratopogoninae	19	0	0	14	857	857-14	immature, indeterminate, unique	cfishel	10/20/2006
271	3	Coenagrionidae	3	0	0	14	857	857-14	immature, condition	cfishel	10/20/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
70	6	Glossiphoniidae				14	857	857-14	indeterminate	cfishel	10/20/2006
80	17	Hydrobiidae				14	857	857-14		cfishel	10/20/2006
3781	1	Micromenetus sp.				14	857	857-14	1 in ref. coll.	cfishel	10/20/2006
121	1	Ostracoda				14	857	857-14		cfishel	10/20/2006
93	3	Physa sp.				14	857	857-14	1 aggregated	cfishel	10/20/2006
101	6	Sphaeriidae				14	857	857-14	immature	cfishel	10/20/2006
1974	34	Sphaeromias sp.	34	0	0	14	857	857-14		cfishel	10/20/2006
1348	4	Tubificidae w/o cap setae				14	857	857-14		Larry Abele	11/3/2006
126	2	Acari				15	857	857-15		cfishel	10/20/2006
3080	6	Arrenurus sp.				15	857	857-15		cfishel	10/20/2006
1065	1	Belostoma sp.	1	0	0	15	857	857-15		cfishel	10/20/2006
1425	4	Caenis diminuta	4	0	0	15	857	857-15	2 aggregated	cfishel	10/20/2006
2433	3	Coenagrion/Enallagma sp.	3	0	0	15	857	857-15	2 aggregated	cfishel	10/20/2006
37	1	Dero furcata				15	857	857-15		Larry Abele	11/3/2006
41	14	Dero sp.				15	857	857-15		Larry Abele	11/3/2006
3882	4	Erythemis simplicicollis	4	0	0	15	857	857-15	3 aggregated,	cfishel	10/20/2006
950	30	Glyptotendipes sp.	30	0	0	15	857	857-15	5 aggregated, 2 retained by EI	whoiland	10/13/2006
1047	1	Hirudinea				15	857	857-15	immature, 1 in ref. coll.	cfishel	10/20/2006
1157	121	Hyalella sp.				15	857	857-15		cfishel	10/20/2006
1	2	Hydra sp.				15	857	857-15	2 in ref. coll.	cfishel	10/20/2006
80	2	Hydrobiidae				15	857	857-15		cfishel	10/20/2006
788	6	Labrundinia sp.	6	0	0	15	857	857-15	2 in ref. coll.	whoiland	10/13/2006
3822	2	Laevapex sp.				15	857	857-15	1 aggregated	cfishel	10/20/2006
3132	9	Limnesia sp.				15	857	857-15	4 aggregated	cfishel	10/20/2006
1182	1	Lirceus sp.				15	857	857-15	1 in ref. coll.	cfishel	10/20/2006
792	11	Monopelopia sp.	11	0	0	15	857	857-15	1 lost,	whoiland	10/13/2006
67	4	Nematoda				15	857	857-15		cfishel	10/20/2006
3229	1	Oribatei				15	857	857-15		cfishel	10/20/2006
121	103	Ostracoda				15	857	857-15		cfishel	10/20/2006
2694	3	Palaemonetes kadiakensis				15	857	857-15	2 aggregated	cfishel	10/24/2006
964	39	Parachironomus sp.	37	2	0	15	857	857-15		whoiland	10/13/2006
1685	2	Pelocoris sp.	2	0	0	15	857	857-15		cfishel	10/20/2006
93	8	Physa sp.				15	857	857-15		cfishel	10/20/2006
95	2	Planorbidae				15	857	857-15	immature	cfishel	10/20/2006
60	1	Pristina sp.				15	857	857-15		Larry Abele	11/3/2006
3510	1	Pseudosuccinea columella				15	857	857-15		cfishel	10/20/2006
1858	1	Suphis sp.	0	0	1	15	857	857-15	1 in ref. coll., 1 retained by EI	cfishel	10/20/2006
1029	1	Tanytarsus sp.	1	0	0	15	857	857-15		whoiland	10/13/2006
494	1	Tropisternus sp.	1	0	0	15	857	857-15		cfishel	10/20/2006
1347	2	Tubificidae w/ cap setae				15	857	857-15		Larry Abele	11/3/2006
2	23	Turbellaria				15	857	857-15		cfishel	10/20/2006
126	4	Acari				16	857	857-16	indeterminate	cfishel	10/20/2006
3080	2	Arrenurus sp.				16	857	857-16		cfishel	10/20/2006
288	1	Belostomatidae	1	0	0	16	857	857-16	immature, 1 in ref. coll.	cfishel	10/20/2006
3034	1	Bezzia/Palpomyia sp.	1	0	0	16	857	857-16		cfishel	10/20/2006
1425	11	Caenis diminuta	11	0	0	16	857	857-16	7 aggregated	cfishel	10/20/2006
1032	5	Ceratopogoninae	5	0	0	16	857	857-16	indeterminate, unique	cfishel	10/20/2006
931	1	Cladopelma sp.	1	0	0	16	857	857-16	1 in ref. coll.	whoiland	10/13/2006
775	39	Coelotanypus sp.	39	0	0	16	857	857-16	3 in ref. coll.	whoiland	10/13/2006
271	5	Coenagrionidae	5	0	0	16	857	857-16	condition	cfishel	10/20/2006
290	1	Corixidae	1	0	0	16	857	857-16	immature,	cfishel	10/20/2006
118	19	Gammarus sp.				16	857	857-16		cfishel	10/20/2006
77	1	Gastropoda				16	857	857-16	indeterminate, 1 in ref. coll.,	cfishel	10/20/2006
70	8	Glossiphoniidae				16	857	857-16	indeterminate	cfishel	10/20/2006
950	110	Glyptotendipes sp.	109	1	0	16	857	857-16	2 in ref. coll.	whoiland	10/13/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
951	3	Goeldichironomus sp.	3	0	0	16	857	857-16	1 in ref. coll.	whoiland	10/13/2006
96	2	Gyraulus sp.				16	857	857-16		cfishel	10/20/2006
73	10	Helobdella elongata				16	857	857-16		cfishel	10/24/2006
1157	89	Hyalella sp.				16	857	857-16		cfishel	10/20/2006
80	1	Hydrobiidae				16	857	857-16		cfishel	10/24/2006
1855	1	Hydrocanthus sp.	0	0	1	16	857	857-16		cfishel	10/20/2006
3132	1	Limnesia sp.				16	857	857-16		cfishel	10/20/2006
5	1	Lumbricina				16	857	857-16		Larry Abele	11/3/2006
792	4	Monopelopia sp.	4	0	0	16	857	857-16	3 in ref. coll.	whoiland	10/13/2006
1854	1	Noteridae	1	0	0	16	857	857-16	condition, 1 in ref. coll., 1 retained by EI	cfishel	10/20/2006
597	1	Oecetis sp.	1	0	0	16	857	857-16		cfishel	10/20/2006
121	16	Ostracoda				16	857	857-16		cfishel	10/20/2006
2694	4	Palaemonetes kadiakensis				16	857	857-16	3 aggregated	cfishel	10/24/2006
964	7	Parachironomus sp.	7	0	0	16	857	857-16	2 in ref. coll.	whoiland	10/13/2006
1685	3	Pelocoris sp.	3	0	0	16	857	857-16		cfishel	10/20/2006
101	3	Sphaeriidae				16	857	857-16	immature	cfishel	10/20/2006
1029	1	Tanytarsus sp.	1	0	0	16	857	857-16	1 in ref. coll.	whoiland	10/13/2006
494	1	Tropisternus sp.	1	0	0	16	857	857-16		cfishel	10/20/2006
1348	30	Tubificidae w/o cap setae				16	857	857-16		Larry Abele	11/3/2006
126	2	Acari				17	857	857-17		cfishel	10/19/2006
1065	1	Belostoma sp.	1	0	0	17	857	857-17	Large\Rare, 1 in ref. coll.	cfishel	10/20/2006
1425	2	Caenis diminuta	2	0	0	17	857	857-17	1 aggregated	cfishel	10/19/2006
1032	1	Ceratopogoninae	1	0	0	17	857	857-17	condition	cfishel	10/19/2006
2190	1	Culex sp.	1	0	0	17	857	857-17	1 in ref. coll.	cfishel	10/19/2006
41	3	Dero sp.				17	857	857-17		Larry Abele	11/3/2006
950	175	Glyptotendipes sp.	175	0	0	17	857	857-17		whoiland	10/16/2006
1157	18	Hyalella sp.				17	857	857-17		cfishel	10/19/2006
792	7	Monopelopia sp.	7	0	0	17	857	857-17		whoiland	10/16/2006
121	127	Ostracoda				17	857	857-17		cfishel	10/19/2006
2694	1	Palaemonetes kadiakensis				17	857	857-17		cfishel	10/24/2006
964	9	Parachironomus sp.	9	0	0	17	857	857-17		whoiland	10/16/2006
126	1	Acari				18	857	857-18		cfishel	10/19/2006
13	14	Aulodrilus pigueti				18	857	857-18		Larry Abele	11/3/2006
1425	3	Caenis diminuta	3	0	0	18	857	857-18	2 aggregated	cfishel	10/19/2006
1032	34	Ceratopogoninae	34	0	0	18	857	857-18	immature, indeterminate, unique	cfishel	10/19/2006
930	8	Chironomus sp.	8	0	0	18	857	857-18		whoiland	10/16/2006
775	13	Coelotanypus sp.	13	0	0	18	857	857-18		whoiland	10/16/2006
934	1	Cryptochironomus sp.	1	0	0	18	857	857-18	1 in ref. coll.	whoiland	10/16/2006
41	4	Dero sp.				18	857	857-18		Larry Abele	11/3/2006
950	43	Glyptotendipes sp.	42	1	0	18	857	857-18		whoiland	10/16/2006
74	2	Helobdella stagnalis				18	857	857-18		cfishel	10/19/2006
1157	5	Hyalella sp.				18	857	857-18	3 aggregated	cfishel	10/19/2006
80	1	Hydrobiidae				18	857	857-18		cfishel	10/24/2006
67	4	Nematoda				18	857	857-18		cfishel	10/19/2006
121	5	Ostracoda				18	857	857-18		cfishel	10/19/2006
964	3	Parachironomus sp.	3	0	0	18	857	857-18		whoiland	10/16/2006
487	1	Peltodytes sp.	1	0	0	18	857	857-18		cfishel	10/19/2006
93	1	Physa sp.				18	857	857-18		cfishel	10/19/2006
799	3	Procladius sp.	3	0	0	18	857	857-18	2 in ref. coll.	whoiland	10/16/2006
101	1	Sphaeriidae				18	857	857-18	immature	cfishel	10/19/2006
1974	29	Sphaeromias sp.	29	0	0	18	857	857-18	4 aggregated	cfishel	10/19/2006
802	8	Tanypus sp.	8	0	0	18	857	857-18	2 aggregated, 1 lost	whoiland	10/16/2006
1029	1	Tanytarsus sp.	1	0	0	18	857	857-18		whoiland	10/16/2006
1347	1	Tubificidae w/ cap setae				18	857	857-18		Larry Abele	11/3/2006
1348	58	Tubificidae w/o cap setae				18	857	857-18		Larry Abele	11/3/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
490	4	Berosus sp.	1	0	3	19	857	857-19		cfishel	10/19/2006
3034	2	Bezzia/Palpomyia sp.	2	0	0	19	857	857-19		cfishel	10/19/2006
2419	4	Bratislavia unidentata				19	857	857-19		Larry Abele	11/3/2006
1425	3	Caenis diminuta	3	0	0	19	857	857-19	1 aggregated	cfishel	10/19/2006
146	1	Callibaetis sp.	1	0	0	19	857	857-19		cfishel	10/19/2006
1032	1	Ceratopogoninae	1	0	0	19	857	857-19	immature, unique	cfishel	10/19/2006
35	2	Chaetogaster sp.				19	857	857-19		Larry Abele	11/3/2006
295	17	Corisella sp.	17	0	0	19	857	857-19	12 aggregated	cfishel	10/19/2006
1962	4	Dasyhelea sp.	3	1	0	19	857	857-19	1 aggregated	cfishel	10/19/2006
41	39	Dero sp.				19	857	857-19		Larry Abele	11/3/2006
950	80	Glyptotendipes sp.	80	0	0	19	857	857-19		whoiland	10/16/2006
1064	1	Hedriodiscus/Odontomyia sp.	1	0	0	19	857	857-19	1 in ref. coll.	cfishel	10/19/2006
1157	5	Hyalella sp.				19	857	857-19		cfishel	10/19/2006
3096	1	Hydrachna sp.				19	857	857-19	1 retained by EI,	cfishel	10/19/2006
80	4	Hydrobiidae				19	857	857-19		cfishel	10/19/2006
3132	3	Limnesia sp.				19	857	857-19		cfishel	10/19/2006
792	1	Monopelopia sp.	1	0	0	19	857	857-19		whoiland	10/16/2006
50	4	Nais variabilis				19	857	857-19		Larry Abele	11/3/2006
67	8	Nematoda				19	857	857-19		cfishel	10/19/2006
3229	2	Oribatei				19	857	857-19		cfishel	10/19/2006
121	134	Ostracoda				19	857	857-19		cfishel	10/19/2006
964	3	Parachironomus sp.	3	0	0	19	857	857-19		whoiland	10/16/2006
1685	1	Pelocoris sp.	1	0	0	19	857	857-19		cfishel	10/19/2006
487	1	Peltodytes sp.	0	0	1	19	857	857-19		cfishel	10/19/2006
95	2	Planorbidae				19	857	857-19	immature	cfishel	10/19/2006
55	35	Pristina leidyi				19	857	857-19		Larry Abele	11/3/2006
59	3	Pristina osborni				19	857	857-19		Larry Abele	11/3/2006
3510	1	Pseudosuccinea columella				19	857	857-19		cfishel	10/19/2006
2695	7	Rhyacodrilus sp.				19	857	857-19		Larry Abele	11/3/2006
1859	1	Suphisellus sp.	0	0	1	19	857	857-19	1 in ref. coll.	cfishel	10/19/2006
1348	4	Tubificidae w/o cap setae				19	857	857-19		Larry Abele	11/3/2006
2	3	Turbellaria				19	857	857-19		cfishel	10/19/2006
78	1	Ancylidae				20	857	857-20	condition,	cfishel	10/19/2006
3034	1	Bezzia/Palpomyia sp.	1	0	0	20	857	857-20		cfishel	10/19/2006
775	1	Coelotanypus sp.	1	0	0	20	857	857-20		whoiland	10/16/2006
290	1	Corixidae	1	0	0	20	857	857-20	condition,	cfishel	10/19/2006
80	1	Hydrobiidae				20	857	857-20		cfishel	10/19/2006
19	46	Limnodrilus cervix				20	857	857-20		Larry Abele	11/3/2006
792	1	Monopelopia sp.	1	0	0	20	857	857-20		whoiland	10/16/2006
121	3	Ostracoda				20	857	857-20		cfishel	10/19/2006
1685	1	Pelocoris sp.	1	0	0	20	857	857-20		cfishel	10/19/2006
802	1	Tanypus sp.	1	0	0	20	857	857-20		whoiland	10/16/2006
3685	1	Ablabesmyia peleensis	1	0	0	21	857	857-21	1 in ref. coll.	whoiland	10/16/2006
126	4	Acari				21	857	857-21	immature, indeterminate	cfishel	10/19/2006
3080	9	Arrenurus sp.				21	857	857-21	2 aggregated, 9 retained by EI	cfishel	10/19/2006
3034	19	Bezzia/Palpomyia sp.	19	0	0	21	857	857-21	10 aggregated	cfishel	10/19/2006
1425	18	Caenis diminuta	18	0	0	21	857	857-21		cfishel	10/24/2006
146	3	Callibaetis sp.	3	0	0	21	857	857-21		cfishel	10/19/2006
271	9	Coenagrionidae	9	0	0	21	857	857-21	condition, immature,	cfishel	10/19/2006
702	1	Culicidae	1	0	0	21	857	857-21	condition, 1 in ref. coll.	cfishel	10/20/2006
1962	16	Dasyhelea sp.	9	7	0	21	857	857-21	7 aggregated	cfishel	10/19/2006
41	15	Dero sp.				21	857	857-21		Larry Abele	11/3/2006
1833	1	Desmopachria sp.	1	0	0	21	857	857-21	1 in ref. coll.	cfishel	10/19/2006
944	2	Dicrotendipes sp.	2	0	0	21	857	857-21	1 in ref. coll.	whoiland	10/16/2006
948	2	Endochironomus sp.	2	0	0	21	857	857-21	1 in ref. coll.	whoiland	10/16/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
3882	1	Erythemis simplicicollis	1	0	0	21	857	857-21	1 in ref. coll.	cfishel	10/19/2006
79	5	Ferrissia sp.				21	857	857-21		cfishel	10/19/2006
950	3	Glyptotendipes sp.	3	0	0	21	857	857-21		whoiland	10/16/2006
1157	51	Hyalella sp.				21	857	857-21		cfishel	10/19/2006
80	3	Hydrobiidae				21	857	857-21		cfishel	10/19/2006
788	12	Labrundinia sp.	11	1	0	21	857	857-21	1 aggregated	whoiland	10/16/2006
284	1	Libellulidae	1	0	0	21	857	857-21	immature	cfishel	10/19/2006
21	5	Limnodrilus hoffmeisteri				21	857	857-21		Larry Abele	11/3/2006
792	17	Monopelopia sp.	17	0	0	21	857	857-21	2 aggregated	whoiland	10/16/2006
878	6	Nanocladius sp.	6	0	0	21	857	857-21	2 in ref. coll.	whoiland	10/16/2006
67	7	Nematoda				21	857	857-21		cfishel	10/19/2006
3229	2	Oribatei				21	857	857-21		cfishel	10/19/2006
579	2	Orthotrichia sp.	2	0	0	21	857	857-21	1 aggregated	cfishel	10/19/2006
121	3	Ostracoda				21	857	857-21		cfishel	10/19/2006
2694	4	Palaemonetes kadiakensis				21	857	857-21	3 aggregated	cfishel	10/24/2006
964	59	Parachironomus sp.	59	0	0	21	857	857-21	1 retained by EI	whoiland	10/16/2006
1685	4	Pelocoris sp.	4	0	0	21	857	857-21		cfishel	10/19/2006
93	32	Physa sp.				21	857	857-21	2 aggregated	cfishel	10/19/2006
95	3	Planorbidae				21	857	857-21	immature	cfishel	10/19/2006
3747	1	Polypedilum trigonus	1	0	0	21	857	857-21	1 in ref. coll.	whoiland	10/17/2006
55	6	Pristina leidyi				21	857	857-21		Larry Abele	11/3/2006
3510	3	Pseudosuccinea columella				21	857	857-21	1 aggregated, 2 in ref. coll.	cfishel	10/19/2006
740	4	Stratiomyidae	4	0	0	21	857	857-21	immature,	cfishel	10/19/2006
1859	2	Suphisellus sp.	2	0	0	21	857	857-21	2 in ref. coll.,2 retained by EI	cfishel	10/19/2006
1029	1	Tanytarsus sp.	1	0	0	21	857	857-21		whoiland	10/16/2006
2	1	Turbellaria				21	857	857-21		cfishel	10/19/2006
1001	2	Xenochironomus xenolabis	2	0	0	21	857	857-21	1 in ref. coll.	whoiland	10/16/2006
3034	3	Bezzia/Palpomyia sp.	3	0	0	22	857	857-22		cfishel	10/19/2006
1425	6	Caenis diminuta	6	0	0	22	857	857-22	2 aggregated	cfishel	10/19/2006
125	1	Cambaridae				22	857	857-22	immature, condition, 1 in ref. coll.	cfishel	10/19/2006
934	2	Cryptochironomus sp.	2	0	0	22	857	857-22		whoiland	10/16/2006
41	1	Dero sp.				22	857	857-22		Larry Abele	11/3/2006
118	6	Gammarus sp.				22	857	857-22		cfishel	10/19/2006
77	1	Gastropoda				22	857	857-22	condition, 1 in ref. coll.	cfishel	10/19/2006
1157	1	Hyalella sp.				22	857	857-22		cfishel	10/19/2006
284	2	Libellulidae	2	0	0	22	857	857-22	immature, condition,	cfishel	10/19/2006
121	1	Ostracoda				22	857	857-22		cfishel	10/19/2006
2694	1	Palaemonetes kadiakensis				22	857	857-22		cfishel	10/24/2006
964	4	Parachironomus sp.	4	0	0	22	857	857-22		whoiland	10/16/2006
799	1	Procladius sp.	1	0	0	22	857	857-22		whoiland	10/16/2006
1029	1	Tanytarsus sp.	1	0	0	22	857	857-22		whoiland	10/16/2006
1348	2	Tubificidae w/o cap setae				22	857	857-22		Larry Abele	11/3/2006
3883	4	Ablabesmyia rhamphe gr.	4	0	0	23	857	857-23		whoiland	10/16/2006
3080	2	Arrenurus sp.				23	857	857-23	2 retained by EI	cfishel	10/19/2006
490	1	Berosus sp.	1	0	0	23	857	857-23		cfishel	10/19/2006
2419	1	Bratislavia unidentata				23	857	857-23		Larry Abele	11/3/2006
153	1	Caenis sp.	1	0	0	23	857	857-23	immature	cfishel	10/19/2006
774	1	Clinotanypus sp.	1	0	0	23	857	857-23	1 in ref. coll.	whoiland	10/16/2006
290	6	Corixidae	6	0	0	23	857	857-23	condition	cfishel	10/19/2006
941	1	Dicrotendipes lucifer	1	0	0	23	857	857-23	1 in ref. coll.	whoiland	10/17/2006
950	19	Glyptotendipes sp.	19	0	0	23	857	857-23		whoiland	10/16/2006
951	3	Goeldichironomus sp.	3	0	0	23	857	857-23		whoiland	10/16/2006
1157	6	Hyalella sp.				23	857	857-23		cfishel	10/19/2006
1237	1	Hydrochus sp.	0	0	1	23	857	857-23		cfishel	10/19/2006
284	1	Libellulidae	1	0	0	23	857	857-23	immature,	cfishel	10/19/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
121	105	Ostracoda				23	857	857-23		cfishel	10/19/2006
2694	4	Palaemonetes kadiakensis				23	857	857-23	1 aggregated	cfishel	10/24/2006
93	1	Physa sp.				23	857	857-23		cfishel	10/19/2006
95	1	Planorbidae				23	857	857-23	immature,	cfishel	10/19/2006
1029	3	Tanytarsus sp.	3	0	0	23	857	857-23		whoiland	10/16/2006
2296	1	Zavreliella sp.	1	0	0	23	857	857-23	1 in ref. coll.	whoiland	10/17/2006
3034	1	Bezzia/Palpomyia sp.	1	0	0	24	857	857-24		cfishel	10/19/2006
1425	1	Caenis diminuta	1	0	0	24	857	857-24		cfishel	10/19/2006
1032	2	Ceratopogoninae	2	0	0	24	857	857-24	immature, unique	cfishel	10/19/2006
931	9	Cladopelma sp.	8	1	0	24	857	857-24		whoiland	10/18/2006
1006	8	Cladotanytarsus sp.	5	3	0	24	857	857-24	2 in ref. coll.	whoiland	10/18/2006
934	1	Cryptochironomus sp.	1	0	0	24	857	857-24		whoiland	10/18/2006
447	3	Dubiraphia sp.	3	0	0	24	857	857-24		cfishel	10/19/2006
80	1	Hydrobiidae				24	857	857-24		cfishel	10/19/2006
3822	1	Laevapex sp.				24	857	857-24		cfishel	10/19/2006
48	1	Nais pardalis				24	857	857-24		Larry Abele	11/3/2006
51	2	Nais sp.				24	857	857-24		Larry Abele	11/3/2006
67	4	Nematoda				24	857	857-24		cfishel	10/19/2006
3225	1	Neumania sp.				24	857	857-24	1 in ref. coll.	cfishel	10/19/2006
597	1	Oecetis sp.	1	0	0	24	857	857-24		cfishel	10/19/2006
3320	5	Polypedilum halterale gr.	5	0	0	24	857	857-24	1 aggregated, 2 in ref. coll.	whoiland	10/18/2006
55	1	Pristina leidyi				24	857	857-24		Larry Abele	11/3/2006
1029	3	Tanytarsus sp.	3	0	0	24	857	857-24		whoiland	10/18/2006
1348	46	Tubificidae w/o cap setae				24	857	857-24		Larry Abele	11/3/2006
3080	1	Arrenurus sp.				25	857	857-25	1 retained by EI,	cfishel	10/19/2006
490	1	Berosus sp.	1	0	0	25	857	857-25		cfishel	10/19/2006
3034	2	Bezzia/Palpomyia sp.	2	0	0	25	857	857-25		cfishel	10/19/2006
1425	28	Caenis diminuta	28	0	0	25	857	857-25	18 aggregated	cfishel	10/19/2006
146	2	Callibaetis sp.	2	0	0	25	857	857-25		cfishel	10/19/2006
3953	3	Campsurus decoloratus	3	0	0	25	857	857-25	2 aggregated	cfishel	10/19/2006
1032	5	Ceratopogoninae	5	0	0	25	857	857-25	indeterminate, immature, unique	cfishel	10/19/2006
2305	1	Climacia sp.	1	0	0	25	857	857-25		cfishel	10/19/2006
271	3	Coenagrionidae	3	0	0	25	857	857-25	condition,	cfishel	10/19/2006
290	1	Corixidae	1	0	0	25	857	857-25	immature,	cfishel	10/19/2006
1962	17	Dasyhelea sp.	13	4	0	25	857	857-25	10 aggregated	cfishel	10/20/2006
41	34	Dero sp.				25	857	857-25		Larry Abele	11/3/2006
948	9	Endochironomus sp.	9	0	0	25	857	857-25		whoiland	10/17/2006
950	9	Glyptotendipes sp.	9	0	0	25	857	857-25		whoiland	10/17/2006
1157	19	Hyalella sp.				25	857	857-25		cfishel	10/19/2006
3096	1	Hydrachna sp.				25	857	857-25	1 retained by EI	cfishel	10/19/2006
1266	1	Hydraena sp.	0	0	1	25	857	857-25	1 in ref. coll.	cfishel	10/19/2006
1855	1	Hydrocanthus sp.	0	0	1	25	857	857-25		cfishel	10/19/2006
788	20	Labrundinia sp.	12	8	0	25	857	857-25	7 aggregated	whoiland	10/17/2006
3822	4	Laevapex sp.				25	857	857-25	1 aggregated	cfishel	10/19/2006
789	21	Larsia sp.	19	2	0	25	857	857-25	8 aggregated, 2 in ref. coll.	whoiland	10/17/2006
3132	9	Limnesia sp.				25	857	857-25	4 aggregated	cfishel	10/19/2006
3143	2	Mideopsis sp.				25	857	857-25		cfishel	10/19/2006
51	2	Nais sp.				25	857	857-25		Larry Abele	11/3/2006
67	4	Nematoda				25	857	857-25		cfishel	10/19/2006
3229	2	Oribatei				25	857	857-25	2 in ref. coll.	cfishel	10/19/2006
579	1	Orthotrichia sp.	1	0	0	25	857	857-25		cfishel	10/19/2006
121	4	Ostracoda				25	857	857-25		cfishel	10/19/2006
2694	20	Palaemonetes kadiakensis				25	857	857-25	11 aggregated	cfishel	10/24/2006
964	91	Parachironomus sp.	90	1	0	25	857	857-25	1 retained by EI	whoiland	10/17/2006
1685	2	Pelocoris sp.	2	0	0	25	857	857-25	1 aggregated,	cfishel	10/19/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
93	1	Physa sp.				25	857	857-25		cfishel	10/19/2006
95	1	Planorbidae				25	857	857-25	immature,	cfishel	10/19/2006
977	1	Polypedilum fallax gr.	1	0	0	25	857	857-25	1 in ref. coll.	whoiland	10/17/2006
3747	1	Polypedilum trigonus	1	0	0	25	857	857-25	1 in ref. coll.	whoiland	10/17/2006
55	5	Pristina leidyi				25	857	857-25		Larry Abele	11/3/2006
989	1	Pseudochironomus sp.	1	0	0	25	857	857-25	1 in ref. coll.	whoiland	10/17/2006
1679	2	Ranatra sp.	2	0	0	25	857	857-25	1 in ref. coll.	cfishel	10/19/2006
2296	1	Zavreliella sp.	1	0	0	25	857	857-25		whoiland	10/17/2006
767	2	Ablabesmyia annulata	2	0	0	26	857	857-26	2 in ref. coll.	whoiland	10/17/2006
126	1	Acari				26	857	857-26	indeterminate	cfishel	10/19/2006
153	1	Caenis sp.	1	0	0	26	857	857-26	immature, 1 in ref. coll.	cfishel	10/19/2006
3953	35	Campsurus decoloratus	35	0	0	26	857	857-26	11 retained by EI	cfishel	10/19/2006
1032	15	Ceratopogoninae	15	0	0	26	857	857-26	indeterminate, unique	cfishel	10/19/2006
1201	2	Chaoborus sp.	2	0	0	26	857	857-26		cfishel	10/19/2006
775	1	Coelotanypus sp.	1	0	0	26	857	857-26		whoiland	10/17/2006
271	1	Coenagrionidae	1	0	0	26	857	857-26	condition, 1 in ref. coll.	cfishel	10/19/2006
934	1	Cryptochironomus sp.	1	0	0	26	857	857-26		whoiland	10/17/2006
1157	1	Hyalella sp.				26	857	857-26		cfishel	10/19/2006
788	1	Labrundinia sp.	1	0	0	26	857	857-26		whoiland	10/17/2006
21	5	Limnodrilus hoffmeisteri				26	857	857-26		Larry Abele	11/3/2006
2694	4	Palaemonetes kadiakensis				26	857	857-26		cfishel	10/24/2006
487	1	Peltodytes sp.	0	0	1	26	857	857-26	1 in ref. coll.	cfishel	10/19/2006
1204	2	Probezzia sp.	2	0	0	26	857	857-26		cfishel	10/19/2006
799	1	Procladius sp.	1	0	0	26	857	857-26		whoiland	10/17/2006
1974	4	Sphaeromias sp.	4	0	0	26	857	857-26		cfishel	10/19/2006
494	1	Tropisternus sp.	0	0	1	26	857	857-26	1 in ref. coll.	cfishel	10/19/2006
3947	1	Anodonta imbecillis				27	857	857-27	Large\Rare, 1 in ref. coll.	cfishel	10/19/2006
3034	17	Bezzia/Palpomyia sp.	15	2	0	27	857	857-27	9 aggregated, 1 retained by EI	cfishel	10/19/2006
1425	39	Caenis diminuta	39	0	0	27	857	857-27	23 aggregated	cfishel	10/19/2006
146	4	Callibaetis sp.	4	0	0	27	857	857-27		cfishel	10/19/2006
3901	2	Caridea				27	857	857-27	immature, 2 in ref. coll.	cfishel	10/19/2006
926	1	Chironomini	1	0	0	27	857	857-27	immature,	whoiland	10/17/2006
2433	1	Coenagrion/Enallagma sp.	1	0	0	27	857	857-27	1 in ref. coll.	cfishel	10/19/2006
1962	2	Dasyhelea sp.	2	0	0	27	857	857-27		cfishel	10/19/2006
41	40	Dero sp.				27	857	857-27		Larry Abele	11/3/2006
273	15	Enallagma sp.	15	0	0	27	857	857-27	11 aggregated	cfishel	10/19/2006
128	3	Ephemeroptera	3	0	0	27	857	857-27	immature, immature, Ephemeridae or Polymitarcyidae, 3 in ref. coll.	cfishel	10/19/2006
79	3	Ferrissia sp.				27	857	857-27	2 in ref. coll., 1 aggregated	cfishel	10/19/2006
950	3	Glyptotendipes sp.	3	0	0	27	857	857-27		whoiland	10/17/2006
1157	5	Hyalella sp.				27	857	857-27	1 aggregated	cfishel	10/19/2006
80	6	Hydrobiidae				27	857	857-27		cfishel	10/19/2006
1855	1	Hydrocanthus sp.	0	0	1	27	857	857-27	1 in ref. coll.	cfishel	10/19/2006
1237	1	Hydrochus sp.	0	0	1	27	857	857-27		cfishel	10/19/2006
788	40	Labrundinia sp.	33	7	0	27	857	857-27	7 aggregated	whoiland	10/17/2006
789	4	Larsia sp.	4	0	0	27	857	857-27	2 aggregated	whoiland	10/17/2006
690	1	Lepidoptera	1	0	0	27	857	857-27	indeterminate,	cfishel	10/19/2006
284	1	Libellulidae	1	0	0	27	857	857-27	immature,	cfishel	10/19/2006
3132	5	Limnesia sp.				27	857	857-27	1 aggregated,	cfishel	10/19/2006
3143	1	Mideopsis sp.				27	857	857-27		cfishel	10/19/2006
878	2	Nanocladius sp.	2	0	0	27	857	857-27		whoiland	10/17/2006
579	1	Orthotrichia sp.	1	0	0	27	857	857-27		cfishel	10/19/2006
964	99	Parachironomus sp.	96	3	0	27	857	857-27	1 retained by EI	whoiland	10/17/2006
487	1	Peltodytes sp.	1	0	0	27	857	857-27	1 in ref. coll.	cfishel	10/19/2006
93	5	Physa sp.				27	857	857-27		cfishel	10/19/2006
95	2	Planorbidae				27	857	857-27	immature,	cfishel	10/19/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
3747	4	Polypedilum trigonus	4	0	0	27	857	857-27	1 aggregated,	whoiland	10/17/2006
55	6	Pristina leidyi				27	857	857-27		Larry Abele	11/3/2006
740	1	Stratiomyidae	1	0	0	27	857	857-27	immature,	cfishel	10/19/2006
2	2	Turbellaria				27	857	857-27		cfishel	10/19/2006
126	1	Acari				28	857	857-28	indeterminate	cfishel	10/18/2006
3034	2	Bezzia/Palpomyia sp.	2	0	0	28	857	857-28		cfishel	10/18/2006
1425	7	Caenis diminuta	7	0	0	28	857	857-28	6 aggregated	cfishel	10/18/2006
3953	12	Campsurus decoloratus	12	0	0	28	857	857-28	12 retained by EI	cfishel	10/18/2006
1032	4	Ceratopogoninae	4	0	0	28	857	857-28	indeterminate, unique	cfishel	10/18/2006
1201	7	Chaoborus sp.	7	0	0	28	857	857-28		cfishel	10/18/2006
290	1	Corixidae	1	0	0	28	857	857-28	immature, 1 in ref. coll.	cfishel	10/18/2006
447	1	Dubiraphia sp.	0	0	1	28	857	857-28		cfishel	10/18/2006
1157	2	Hyalella sp.				28	857	857-28		cfishel	10/18/2006
80	4	Hydrobiidae				28	857	857-28		cfishel	10/18/2006
788	2	Labrundinia sp.	2	0	0	28	857	857-28		whoiland	10/17/2006
93	1	Physa sp.				28	857	857-28		cfishel	10/18/2006
95	1	Planorbidae				28	857	857-28	immature, 1 in ref. coll.	cfishel	10/18/2006
1204	5	Probezzia sp.	5	0	0	28	857	857-28		cfishel	10/18/2006
3002	1	Sperchon sp.				28	857	857-28	1 in ref. coll.	cfishel	10/18/2006
101	5	Sphaeriidae				28	857	857-28	immature,	cfishel	10/18/2006
1348	12	Tubificidae w/o cap setae				28	857	857-28		Larry Abele	11/3/2006
3126	2	Unionicola sp.				28	857	857-28	1 retained by EI	cfishel	10/18/2006
126	1	Acari				29	857	857-29	1 retained by EI	cfishel	10/18/2006
3034	10	Bezzia/Palpomyia sp.	10	0	0	29	857	857-29		cfishel	10/18/2006
2419	66	Bratislavia unidentata				29	857	857-29		Larry Abele	11/3/2006
1425	79	Caenis diminuta	79	0	0	29	857	857-29	48 aggregated, 13 retained by EI	cfishel	10/18/2006
2305	6	Climacia sp.	6	0	0	29	857	857-29	6 in ref. coll.	cfishel	10/18/2006
934	2	Cryptochironomus sp.	2	0	0	29	857	857-29		whoiland	10/17/2006
37	1	Dero furcata				29	857	857-29		Larry Abele	11/3/2006
41	103	Dero sp.				29	857	857-29		Larry Abele	11/3/2006
944	1	Dicrotendipes sp.	1	0	0	29	857	857-29	immature,	whoiland	10/17/2006
447	1	Dubiraphia sp.	0	0	1	29	857	857-29	1 in ref. coll.	cfishel	10/18/2006
118	2	Gammarus sp.				29	857	857-29		cfishel	10/18/2006
950	2	Glyptotendipes sp.	2	0	0	29	857	857-29		whoiland	10/17/2006
951	1	Goeldichironomus sp.	1	0	0	29	857	857-29		whoiland	10/17/2006
1157	16	Hyalella sp.				29	857	857-29		cfishel	10/18/2006
80	1	Hydrobiidae				29	857	857-29		cfishel	10/18/2006
1237	6	Hydrochus sp.	0	0	6	29	857	857-29	2 in ref. coll.	cfishel	10/18/2006
284	1	Libellulidae	1	0	0	29	857	857-29	immature,	cfishel	10/18/2006
3132	1	Limnesia sp.				29	857	857-29	1 in ref. coll.	cfishel	10/18/2006
48	8	Nais pardalis				29	857	857-29		Larry Abele	11/3/2006
51	1	Nais sp.				29	857	857-29		Larry Abele	11/3/2006
67	1	Nematoda				29	857	857-29		cfishel	10/18/2006
597	2	Oecetis sp.	2	0	0	29	857	857-29		cfishel	10/18/2006
579	4	Orthotrichia sp.	4	0	0	29	857	857-29	4 in ref. coll.	cfishel	10/18/2006
121	14	Ostracoda				29	857	857-29		cfishel	10/18/2006
2694	6	Palaemonetes kadiakensis				29	857	857-29	5 aggregated	cfishel	10/24/2006
964	1	Parachironomus sp.	1	0	0	29	857	857-29		whoiland	10/17/2006
93	3	Physa sp.				29	857	857-29		cfishel	10/18/2006
101	1	Sphaeriidae				29	857	857-29	immature, 1 in ref. coll.	cfishel	10/18/2006
225	1	Stenacron interpunctatum	1	0	0	29	857	857-29	1 in ref. coll.	cfishel	10/18/2006
1348	5	Tubificidae w/o cap setae				29	857	857-29		Larry Abele	11/3/2006
2	2	Turbellaria				29	857	857-29		cfishel	10/18/2006
767	4	Ablabesmyia annulata	4	0	0	30	857	857-30		whoiland	10/18/2006
126	1	Acari				30	857	857-30	indeterminate, 1 retained by EI	cfishel	10/18/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
490	1	Berosus sp.	1	0	0	30	857	857-30	1 in ref. coll.	cfishel	10/18/2006
1425	41	Caenis diminuta	41	0	0	30	857	857-30	27 aggregated, 7 retained by EI	cfishel	10/18/2006
3953	20	Campsurus decoloratus	20	0	0	30	857	857-30	12 retained by EI	cfishel	10/18/2006
1032	33	Ceratopogoninae	33	0	0	30	857	857-30	indeterminate, unique, 4 in ref. coll.	cfishel	10/18/2006
775	1	Coelotanypus sp.	1	0	0	30	857	857-30		whoiland	10/18/2006
295	8	Corisella sp.	8	0	0	30	857	857-30	1 aggregated, 7 in ref. coll.	cfishel	10/18/2006
934	1	Cryptochironomus sp.	1	0	0	30	857	857-30		whoiland	10/18/2006
41	6	Dero sp.				30	857	857-30		Larry Abele	11/3/2006
118	1	Gammarus sp.				30	857	857-30		cfishel	10/18/2006
70	1	Glossiphoniidae				30	857	857-30	immature, condition	cfishel	10/18/2006
277	1	Gomphidae	1	0	0	30	857	857-30	immature, 1 in ref. coll.	cfishel	10/18/2006
73	3	Helobdella elongata				30	857	857-30	3 in ref. coll.	cfishel	10/24/2006
200	1	Hexagenia sp.	1	0	0	30	857	857-30	condition, 1 in ref. coll.	cfishel	10/18/2006
80	1	Hydrobiidae				30	857	857-30		cfishel	10/18/2006
3822	1	Laevapex sp.				30	857	857-30	condition, 1 in ref. coll.	cfishel	10/18/2006
3329	26	Musculium transversum				30	857	857-30	20 aggregated	cfishel	10/18/2006
67	8	Nematoda				30	857	857-30		cfishel	10/18/2006
597	1	Oecetis sp.	1	0	0	30	857	857-30		cfishel	10/18/2006
121	1	Ostracoda				30	857	857-30		cfishel	10/18/2006
93	1	Physa sp.				30	857	857-30		cfishel	10/18/2006
1204	4	Probezzia sp.	4	0	0	30	857	857-30	4 in ref. coll.	cfishel	10/18/2006
1974	12	Sphaeromias sp.	12	0	0	30	857	857-30	4 in ref. coll.	cfishel	10/18/2006
1348	60	Tubificidae w/o cap setae				30	857	857-30		Larry Abele	11/3/2006
105	1	Unionidae				30	857	857-30	immature, 1 in ref. coll.	cfishel	10/18/2006
126	4	Acari				31	857	857-31	indeterminate, 4 in ref. coll.	cfishel	10/18/2006
3080	3	Arrenurus sp.				31	857	857-31	3 in ref. coll.	cfishel	10/18/2006
3034	8	Bezzia/Palpomyia sp.	8	0	0	31	857	857-31	4 aggregated, 2 in ref. coll.	cfishel	10/18/2006
1425	17	Caenis diminuta	17	0	0	31	857	857-31	12 aggregated, 2 in ref. coll.	cfishel	10/17/2006
146	11	Callibaetis sp.	11	0	0	31	857	857-31	2 in ref. coll.	cfishel	10/17/2006
926	2	Chironomini	2	0	0	31	857	857-31		whoiland	10/17/2006
1962	17	Dasyhelea sp.	16	1	0	31	857	857-31	2 in ref. coll.	cfishel	10/18/2006
41	40	Dero sp.				31	857	857-31		Larry Abele	11/3/2006
1173	3	Dreissena polymorpha				31	857	857-31	3 in ref. coll.	cfishel	10/18/2006
273	7	Enallagma sp.	7	0	0	31	857	857-31	6 aggregated, 1 in ref. coll.	cfishel	10/17/2006
948	3	Endochironomus sp.	2	1	0	31	857	857-31		whoiland	10/17/2006
2284	10	Endotribelos sp.	10	0	0	31	857	857-31	2 in ref. coll.	whoiland	10/17/2006
2982	8	Eupera cubensis				31	857	857-31	2 in ref. coll.	cfishel	10/18/2006
118	1	Gammarus sp.				31	857	857-31	1 in ref. coll.	cfishel	10/18/2006
950	8	Glyptotendipes sp.	8	0	0	31	857	857-31		whoiland	10/17/2006
1157	5	Hyalella sp.				31	857	857-31	2 in ref. coll.	cfishel	10/18/2006
3096	1	Hydrachna sp.				31	857	857-31	1 in re. coll.	cfishel	10/18/2006
80	21	Hydrobiidae				31	857	857-31	2 in ref. coll.	cfishel	10/18/2006
489	1	Hydrophilidae	0	0	1	31	857	857-31	condition, 1 in ref. coll.	cfishel	10/17/2006
788	6	Labrundinia sp.	5	1	0	31	857	857-31		whoiland	10/17/2006
789	23	Larsia sp.	23	0	0	31	857	857-31		whoiland	10/17/2006
690	4	Lepidoptera	4	0	0	31	857	857-31	indeterminate, 3 in ref. coll.	cfishel	10/18/2006
284	1	Libellulidae	1	0	0	31	857	857-31	immature, 1 in ref. coll.	cfishel	10/17/2006
3143	1	Mideopsis sp.				31	857	857-31	1 in ref. coll.	cfishel	10/18/2006
878	2	Nanocladius sp.	1	1	0	31	857	857-31		whoiland	10/17/2006
67	1	Nematoda				31	857	857-31	1 in ref. coll.	cfishel	10/18/2006
597	4	Oecetis sp.	4	0	0	31	857	857-31	2 in ref. coll.	cfishel	10/17/2006
2694	3	Palaemonetes kadiakensis				31	857	857-31	2 aggregated, 1 in ref. coll.	cfishel	10/24/2006
964	70	Parachironomus sp.	69	1	0	31	857	857-31		whoiland	10/17/2006
93	21	Physa sp.				31	857	857-31	10 aggregated, 2 in ref. coll.	cfishel	10/18/2006
95	6	Planorbidae				31	857	857-31	immature, 2 in ref coll	cfishel	10/24/2006

EcoA Taxonomic ID	Abundance	Taxon	Larvae	Pupae	Adults	EcoA Sample ID	EcoA Project ID	EcoA Unique ID	Note	Taxonomist	ID Date
3747	14	Polypedilum trigonus	13	1	0	31	857	857-31	4 aggregated	whoiland	10/17/2006
55	15	Pristina leidyi				31	857	857-31		Larry Abele	11/3/2006
740	2	Stratiomyidae	2	0	0	31	857	857-31	immature, 2 in ref. coll.	cfishel	10/18/2006
1029	27	Tanytarsus sp.	25	2	0	31	857	857-31	1 aggregated	whoiland	10/17/2006
2	22	Turbellaria				31	857	857-31	2 in ref. coll.	cfishel	10/18/2006
1001	5	Xenochironomus xenolabis	5	0	0	31	857	857-31		whoiland	10/17/2006
767	2	Ablabesmyia annulata	2	0	0	32	857	857-32		whoiland	10/17/2006
126	1	Acari				32	857	857-32	indeterminate,	cfishel	10/18/2006
1383	1	Actinobdella sp.				32	857	857-32	1 in ref. coll.	cfishel	10/18/2006
13	1	Aulodrilus pigueti				32	857	857-32		Larry Abele	11/3/2006
3034	1	Bezzia/Palpomyia sp.	1	0	0	32	857	857-32		cfishel	10/18/2006
1425	3	Caenis diminuta	3	0	0	32	857	857-32	2 aggregated	cfishel	10/18/2006
146	2	Callibaetis sp.	2	0	0	32	857	857-32		cfishel	10/18/2006
3953	160	Campsurus decoloratus	160	0	0	32	857	857-32	25 retained by EI, 1 in ref. coll.	cfishel	10/18/2006
1201	2	Chaoborus sp.	2	0	0	32	857	857-32	2 in ref. coll.	cfishel	10/18/2006
775	1	Coelotanypus sp.	1	0	0	32	857	857-32		whoiland	10/17/2006
934	1	Cryptochironomus sp.	1	0	0	32	857	857-32		whoiland	10/17/2006
1962	13	Dasyhelea sp.	13	0	0	32	857	857-32	6 aggregated	cfishel	10/18/2006
273	5	Enallagma sp.	5	0	0	32	857	857-32	2 aggregated	cfishel	10/18/2006
118	4	Gammarus sp.				32	857	857-32		cfishel	10/18/2006
950	1	Glyptotendipes sp.	1	0	0	32	857	857-32		whoiland	10/17/2006
73	5	Helobdella elongata				32	857	857-32	5 in ref. coll.	cfishel	10/24/2006
74	1	Helobdella stagnalis				32	857	857-32	1 in ref. coll.	cfishel	10/18/2006
1047	1	Hirudinea				32	857	857-32		Larry Abele	11/3/2006
80	5	Hydrobiidae				32	857	857-32		cfishel	10/18/2006
21	47	Limnodrilus hoffmeisteri				32	857	857-32		Larry Abele	11/3/2006
3329	34	Musculium transversum				32	857	857-32	3 in ref. coll., 24 aggregated	cfishel	10/18/2006
67	8	Nematoda				32	857	857-32		cfishel	10/18/2006
121	1	Ostracoda				32	857	857-32	1 in ref. coll.	cfishel	10/18/2006
1685	2	Pelocoris sp.	2	0	0	32	857	857-32	2 in ref. coll.	cfishel	10/18/2006
93	4	Physa sp.				32	857	857-32		cfishel	10/18/2006
799	5	Procladius sp.	4	1	0	32	857	857-32	1 aggregated	whoiland	10/17/2006
1974	13	Sphaeromias sp.	13	0	0	32	857	857-32	9 aggregated,	cfishel	10/18/2006
1029	1	Tanytarsus sp.	1	0	0	32	857	857-32		whoiland	10/17/2006
1347	1	Tubificidae w/ cap setae				32	857	857-32		Larry Abele	11/3/2006
3126	1	Unionicola sp.				32	857	857-32	1 in ref. coll.	cfishel	10/18/2006

Project 857 Terrebonne Basin 2006
General Taxonomic Quality Check Summary
November 2, 2006

Terrebonne Basin C-14 Dipnet EI# 857-09 Percent Similarity- 68.43

Seventeen specimens of *Palaemonetes pugio*, not entered by the original taxonomist were added to the final data set.

The Q.C. taxonomist incorrectly left the Talitridae at order, the *Sphaeroma* sp. at Flabellifera, the *Apocorophium louisianum* at genus, and the *Detracia floridana* at genus and class.

Terrebonne Basin C-09 Ponar EI# 857-20 Percent Similarity- 75.00

The original taxonomist left one specimen of Ancylidae at Gastropoda and did not enter one specimen of *Bezzia/Palpomyia* sp. in the original data. This has since been corrected.

Terrebonne Basin C-01 Dipnet EI# 857-23 Percent Similarity- 93.91

Eight specimens were lost during the Q.C. process. The original taxonomist identified six specimens of Corixidae as *Corisella* sp. After further examination, these specimens were left at family due to condition.

Project 857 Terrebonne Basin 2006
Chironomidae Taxonomic Quality Check Summaries
October 19, 2006

Terrebonne Basin C-14 Dipnet EI# 857-09 Percent Similarity- 0.00

No changes were made to the original data.

The Q.C. taxonomist incorrectly identified the *Dicrotendipes lobus* as *D. modestus*.

Terrebonne Basin C-09 Ponar EI# 857-20 Percent Similarity- 100.00

No changes were made to the original data.

Terrebonne Basin C-01 Dipnet EI# 857-23 Percent Similarity- 83.33

The original taxonomist incorrectly identified four *Ablabesmyia rhamphe* gr. as *A. peleensis* and one *Dicrotendipes lucifer* as *Glyptotendipes* sp. These errors were corrected in the original data.

The QC taxonomist incorrectly identified one *Dicrotendipes lucifer* as *D. modestus*.

TAXON	NOTE	Notes from Gaston; Yes = verified the identification
Acari	1 in ref. coll.	Yes; poor specimen (anterior half only)
Americamysis bahia	5 aggregated, 1 in ref. coll.	Yes; telson and uropod characteristics fit description
Ampelisca sp.	condition, 1 in ref. coll.	Yes; looks much like Ampelisca abdita (not certain)
Amphipoda	immature, 1 in ref. coll.	Yes; might be in Talitridae (not certain)
Apocorophium louisianum	9 aggregated, 3 retained by EI , 1 in ref. coll.	Yes; good specimen; has tooth on the dorsoventral margin of 4th segment of 2nd antenna
Balanomorpha	1 in ref. coll.	Yes; more like Balanus than Cthamalus
Bivalvia	immature, , 1 in ref. coll.	Yes; newly settled specimen; Mytilidae (not certain)
Brachyura	immature, condition, 1 in ref. coll.	Yes; poor condition
Cerapus cudjoe	1 in ref. coll.	Maybe; This specimen is a closer fit to Cerapus cudjoe than anything else I've seen, but it lacks some key characteristics, such as the distinctive black bands on peduncles 1 & 2; also, the ganthopods are not quite identical; telson is cleft, which fits C. cudjoe; most importantly, C. cudjoe occurs in strong currents on corals and hydroids in the Florida Keys and Venezuela (not likely a habitat in Terrebone Bay). I suggest specimen go to Jim Thomas for verification or description. I suspect it is undescribed. Suggest identifying it as Cerapus cf. cudjoe.
Coelopidae	indeterminate, 1 in ref. coll.	Maybe; too poorly preserved to be certain
Cumacea	condition, 1 in ref. coll.	Yes, but no posterior so cannot identify to genus
Decapoda	immature, 1 in ref. coll.	Maybe; condition to porr to be certain.
Detracia floridana	1 in ref. coll.	No; not Detracia but same family; looks like Melampus; spire is too low for Detracia, too broad anteriorly, and columella plicae wrong.
Diptera		Yes; pupa only
Dolichopodidae	1 in ref. coll.	Yes; Spiracle pit present; Diptera
Dorvilleidae	1 in ref. coll.	No; this is Streblospio benedicti (Spionidae); anterior end only; Note: This is probably not S. gynobranchiata (poor specimen so cannot be certain), newly reported in Gulf of Mexico; see Rice, S. A. and L. A. Levin. Streblospio gynobranchiata, a new spionid polychaete species (Annelida:Polychaeta) from Florida and the Gulf of Mexcio with an analysis of phylogenetic relationships within the genus Streblospio. Proc. Biol. Soc. Washington 111: 694-707 (1998).
Gammarus sp.	4 aggregated, 1 in ref. coll.	Yes, but new genus is Mucrogammarus mucronatus (Phillips 1984)
Gastropoda	1 in ref. coll., immature	Yes, but very poor condition; shell crushed
Glyceridae	1 in ref. coll.	No; this is a Goniadidae (see 2 macrognaths and many micrognaths viewed through body wall); likely species = Glycinde solitaria
Grapsidae	immature, 1 in ref. coll.	Yes; also looks like Sesarma cinereum (see Sesarma sp below)
Hargeria rapax	4 in ref. coll., 18 aggregated	Yes, good specimen
Hydrobiidae	1 in ref. coll.	Yes
Leptochelidae	immature, 1 in ref. coll.	Yes; looks like a female Hargeria rapax
Littorina sp.	1 in ref. coll.	Yes, Littorina irrorata
Melita sp.	1 in ref. coll.	Yes, but antennae are missing so difficult to identify further
Nematoda	1 in ref. coll.	Yes; usually dismissed in macrofauna surveys because is meiofaunal in size.
Nereididae	1 in ref. coll.	Yes; anterior only so cannot identify to genus with certainty
Neritina sp.	1 in ref. coll.	Yes; Neritina usnea (was called N. reclivata)
Olividae	immature, 1 in ref. coll.	No? Empty shell? Looks like Acteocinidae with a broken outer lip where the lip turns inward
Ophiuroidea	immature, 1 in ref. coll.	Yes; likely Hemipholis elongata but too immature to be certain
Ostracoda	1 in ref. coll.	Yes; looks like the specimen dried before preservation. Could this specimen have been contamination from previous sampling (dried in sampler)?
Palaemonetes pugio	1 in ref. coll., 1 retained by EI	Yes
Palaemonetes sp.	condition, 1 in ref. coll.	Yes; likely P. vulgaris
Penaeidae	immature, 1 aggregated , 1 in ref. coll.	Yes; likely Penaeus aztecus but too immature to be certain
Porcellanidae	immature, 1 in ref. coll.	Maybe; too immature to be certain, but origins of antennae fits.
Portunidae	immature, 1 in ref. coll.	Yes; immature, so cannot provide further identification
Probopyrus sp.	1 in ref. coll.	Yes; Probopyrus pandalicola
Sesarma sp.	1 in ref. coll.	Yes; likely S. cinereum
Sessilia	condition, 1 in ref. coll.	Maybe; poor condition; Balanomorpha
Sphaeroma sp.	1 in ref. coll.	No; Sphaeromidae, but is Cassidinidea ovalis
Talitridae	1 in ref. coll.	Yes, Orchestia sp.
Uca sp.	2 aggregated, 1 in ref. coll.	Yes

Sorting Narratives: EcoAnalysts, Inc. Project 857-Terrebonne Basin 2006

For detailed sorting lab methods, please refer to the EcoAnalysts, Inc. Sorting Standard Operating Procedures sent to Arcadis G&M.

Sorting Specific to Terrebonne Basin 2006 samples.

The tables below are a summary of the sorting data for the 2006 samples.

EcoAnalysts' sample numbers 857-1 and 857-2, Trawl samples, contained a select number of larger organisms for spot identification in the field and further identification by our taxonomists and, therefore, did not require sorting.

ECOANALYSTS LAB ID	SITE	HABITAT	DEVICE	PRE-ELUTRIATION VOLUME (L)	POST-ELUTRIATION VOLUME(L)	SORT1 COUNT	%SORTED	QC1 COUNT	%QC'D (QC1)	%EFFICACY 1	RESORT1 COUNT	QC2 COUNT	%QC'D (QC2)	%EFFICACY2	RESORT2COUNT	QC3 COUNT	%QC'D (QC3)	%EFFICACY 3	%SUBSAMPLE OF A SUBSAMPLE	TOTAL #BUGS GIVEN TO TAXONOMY
857-3	C-11	Marine	Dipnet	0.400	0.400	179	100.00	2	20.83	94.91	na	na	na	na	na	na	na	na	na	181
857-4	C-11	Marine	Ponar	2.000	1.700	5	100.00	0	20.24	100.00	na	na	na	na	na	na	na	na	na	5
857-5	C-12	Marine	Dipnet	1.000	1.000	81	100.00	0	20.83	100.00	na	na	na	na	na	na	na	na	na	81
857-6	C-12	Marine	Ponar	1.500	1.500	32	100.00	3	20.83	68.97	13	0	20.83	100.00	na	na	na	na	na	48
857-7	C-13	Marine	Dipnet	0.700	0.700	299	100.00	1	20.83	98.42	na	na	na	na	na	na	na	na	na	300
857-8	C-13	Marine	Ponar	2.000	2.000	3	100.00	2	20.24	23.29	1	2	20.24	37.78	2	0	20.24	100.00	na	10
857-9	C-14	Marine	Dipnet	0.500	0.500	150	100.00	2	20.83	93.98	0	2	25.00	95.00	na	na	na	na	na	154
857-10	C-14	Marine	Ponar	1.000	1.000	7	100.00	0	20.24	100.00	na	na	na	na	na	na	na	na	na	7
857-11	C-15	Marine	Dipnet	0.200	0.200	47	100.00	0	20.83	100.00	na	na	na	na	na	na	na	na	na	47
857-12	C-15	Marine	Ponar	1.200	1.200	2	100.00	0	20.83	100.00	na	na	na	na	na	na	na	na	na	2

EcoAnalysts' sample numbers 857-3 through 857-12 were from marine sites C-11 through C-15. All of these were fully sorted as none had at least 300 organisms found during the original sort. Three samples - 857-6, 857-8, and 857-9 - failed to meet the required 95% sorting efficacy after the first sorts and were re-sorted. Sample 857-8 failed to meet the 95% sorting efficacy again and was re-sorted a second time. A third QC found the sort to be at a 100% efficacy.

ECOANALYSTS LAB ID	SITE	HABITAT	DEVICE	PRE-ELUTRIATION VOLUME (L)	POST-ELUTRIATION VOLUME(L)	SORT1 COUNT	%SORTED	QC1 COUNT	%QC'D (QC1)	%EFFICACY 1	RESORT1 COUNT	QC2 COUNT	%QC'D (QC2)	%EFFICACY2	RESORT2COUNT	QC3 COUNT	%QC'D (QC3)	%EFFICACY 3	%SUBSAMPLE OF A SUBSAMPLE	TOTAL #BUGS GIVEN TO TAXONOMY
857-13	C-6	Freshwater/Marine	Dipnet	2.750	2.750	352	6.25	6	20.83	92.44	23	4	20.83	95.20	na	na	na	na	na	385
857-14	C-6	Freshwater/Marine	Ponar	1.500	1.400	96	100.00	5	20.24	79.53	28	8	20.00	76.33	23	0	20.00	100.00	na	160
857-15	C-7	Freshwater/Marine	Dipnet	3.000	3.000	365	5.95	27	25.00	77.17	32	1	25.00	99.07	na	na	na	na	na	425
857-16	C-7	Freshwater/Marine	Ponar	2.000	2.000	355	100.00	10	20.24	87.78	29	2	20.24	97.55	na	na	na	na	na	396
857-17	C-8	Freshwater/Marine	Dipnet	3.000	3.000	386	1.49	1	25.00	98.97	na	na	na	na	na	na	na	na	na	387
857-18	C-8	Freshwater/Marine	Ponar	1.000	1.000	133	100.00	5	20.24	84.33	24	5	20.00	86.63	43	0	20.83	100.00	na	210
857-19	C-9	Freshwater/Marine	Dipnet	1.000	1.000	366	10.42	10	25.00	90.15	12	0	25.00	100.00	na	na	na	na	na	388
857-20	C-9	Freshwater/Marine	Ponar	0.200	0.100	59	100.00	1	25.00	93.65	0	0	25.00	100.00	na	na	na	na	na	60
857-21	C-10	Freshwater/Marine	Dipnet	2.500	2.500	357	7.14	25	25.00	78.12	1	5	25.00	95.04	na	na	na	na	na	388
857-22	C-10	Freshwater/Marine	Ponar	5.000	5.000	28	100.00	1	20.24	85.00	na	na	na	na	na	na	na	na	na	29

EcoAnalysts' sample numbers 857-13 through 857-22 were from the mixed freshwater/marine sites C-6 through C-10.

Our sorters were instructed to pick close to 20% more organisms than the target count to ensure at least 300 identifiable organisms were picked.

All of the Ponar samples were fully sorted. Only one of the Ponar samples contained at least 300 organisms - EcoAnalysts' sample number 857-16, site C-7, was fully sorted and the original sorter found 355 organisms.

None of the Dipnet samples were fully sorted as each had at least 300 organisms found in a random subsample of the matrix.

Seven of these ten samples failed to meet a 95% sorting efficacy during the first round of sorting. They were re-sorted and checked again. Two of the seven re-sorted samples, 857-14 and 857-18, failed to meet the 95% sorting efficacy again and were re-sorted a second time. A third QC found the both sorts to be at a 100% efficacy.

ECOANALYSTS LAB ID	SITE	HABITAT	DEVICE	PRE-ELUTRIATION VOLUME (L)	POST-ELUTRIATION VOLUME(L)	SORT1 COUNT	%SORTED	QC1 COUNT	%QC'D (QC1)	%EFFICACY 1	RESORT1 COUNT	QC2 COUNT	%QC'D (QC2)	%EFFICACY2	RESORT2COUNT	QC3 COUNT	%QC'D (QC3)	%EFFICACY 3	%SUBSAMPLE OF A SUBSAMPLE	TOTAL #BUGS GIVEN TO TAXONOMY
857-23	C-1	Freshwater	Dipnet	0.050	0.050	156	100.00	1	100.00	99.36	na	na	na	na	na	na	na	na	na	157
857-24	C-1	Freshwater	Ponar	1.000	1.000	77	100.00	4	20.83	80.04	15	1	20.83	95.24	na	na	na	na	na	97
857-25	C-2	Freshwater	Dipnet	1.000	1.000	327	45.83	5	25.00	94.24	36	1	20.83	98.71	na	na	na	na	na	369
857-26	C-2	Freshwater	Ponar	1.000	1.000	93	100.00	1	25.00	95.88	na	na	na	na	na	na	na	na	na	94
857-27	C-3	Freshwater	Dipnet	1.000	1.000	591	19.79	48	20.83	71.95	197	2	20.83	98.86	na	na	na	na	37.50	332
857-28	C-3	Freshwater	Ponar	0.400	0.200	66	100.00	2	25.00	89.19	2	0	25.00	100.00	na	na	na	na	na	70
857-29	C-4	Freshwater	Dipnet	0.400	0.400	327	87.50	7	25.00	92.11	30	4	25.00	95.79	na	na	na	na	na	368
857-30	C-4	Freshwater	Ponar	0.300	0.200	216	100.00	6	25.00	90.00	22	2	25.00	96.83	na	na	na	na	na	246
857-31	C-5	Freshwater	Dipnet	0.000	0.000	326	5.36	23	25.00	77.99	73	6	25.00	94.62	na	na	na	na	na	428
857-32	C-5	Freshwater	Ponar	0.300	0.300	326	83.33	2	25.00	97.60	na	na	na	na	na	na	na	na	na	328

EcoAnalysts' sample numbers 857-23 through 857-32 were from the freshwater sites C-1 through C-5.

Our sorters were instructed to pick close to 10% more organisms than the target count to ensure at least 300 identifiable organisms were picked.

All but one of the Ponar samples was fully sorted as they did not contain at least 300 organisms. EcoAnalysts' sample number 857-32, site C-5, had 326 organisms within 83.33% of the sample.

All but one of the Dipnet samples contained at least 300 organisms in a random subsample of the matrix. Sample 857-23, site C-1, was fully sorted and only 156 organisms were found during the original sort.

Seven of these ten samples failed to meet a 95% sorting efficacy during the first round of sorting. They were re-sorted and checked again. A second QC found all seven sorts to be at a 95% efficacy or better.

Sample 857-27, the Dipnet from site C-3, was collected in the field into two jars. The original sorter only sorted through one of the jars of material to reach the target count (4.50 grids were sorted out of 24.00 total grids). Before the first quality check began on the sorted material, and because of the internal checks and balances in place in the sorting lab, the QC technician identified the mistake. The original sorter was instructed to sort the same percentage material from the second jar adding any organisms found from the second jar to the organisms found from the first jar of the sample. The sorted material from the second jar was combined with the sorted material from the first jar and staged for a quality check. The first QC found the sorting efficacy to be insufficient and the sorted material was re-sorted. The second QC found the sorting efficacy to meet the requirement of at least 95%. As a result of these circumstances, 838 organisms were picked from the sample (excluding Large/Rare organisms). A senior technician carefully distributed these organisms into a gridded Petri dish in preparation for subsampling these down to the target count of 300-330 organisms (we refer to this as a "Subsample of a Subsample). Randomly chosen, 37.5% grids of the dish were used to extract 332 organisms.

METRIC OUTPUT GUIDANCE DOCUMENT

Provided by:

EcoAnalysts, Inc.

The Leader in Freshwater Taxonomic Services

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INTRODUCTION

The purpose of this document is to provide the basic explanations for metrics presented in the data summary provided to you, our valued client. This document is not intended to present an interpretation of your data. Should you need assistance with interpreting macroinvertebrate community data, EcoAnalysts, Inc. trained biologists are available to assist you. Please contact us for current hourly consulting fees for this service.

As part of our service to you, EcoAnalysts has provided you with taxa lists and counts, in addition to a selection of macroinvertebrate community indices. We calculate nearly 100 metrics and regional IBIs and have tailored your output to address the habitats and geographic region in which you have sampled. Therefore, you may see more metrics listed in the Guidance Document than in your Metric Output. If you wish to customize your output, or perform additional data analyses, EcoAnalysts can assist you. Please contact us for the current hourly consulting fees for this service.

Metric Output and Descriptions

The standard output is a single Excel 2000 file consisting of two worksheets. **The first worksheet includes the taxa list and counts for all samples processed**. The format is as follows:

Rows

- Rows 5-8 are the sample information provided to us by the client.
- Row 9 is the % of the sample that was picked to get the target count of invertebrates.
- Row 10 is the habitat the sample was collected in (some studies collect more than one habitat at a site).
- Row 11 is a sample identification number used internally by EcoAnalysts to track each sample through our lab.
- Invertebrate taxa are listed beginning in Row 12.
- The last row is the total number of invertebrate that were actually examined and identified in the sample or subsample. ***These counts are not adjusted for any subsampling that may have taken place.*** If the value in Row 9 is 100, then the entire sample was completely processed, and all invertebrates therein have been accounted for.

Columns

- Column A lists the major taxonomic groups found within the samples. The group name appears next to the first taxon in each group and all subsequent rows down to the next major group are included. ***Full phylogeny for each taxon is available, but is not part of the Standard Output.***
- Column B lists the name of each taxon found in the sample. Every effort is made to keep current with taxonomic updates; however, there may be instances where

we are not aware of a change or have not yet incorporated a recent change in nomenclature.

- Columns C and higher are the actual samples.
- Cells include the raw count for each taxon in the sample.

The second worksheet, "Metrics," presents the data summary for each of the samples. The format is as follows:

Rows

- Rows 5-8 are the sample information provided to us by the client.
- Row 9 is the % of the sample that was picked to get the target count of invertebrates.
- Row 10 is the habitat the sample was collected in (some studies collect more than one habitat at a site).
- Row 11 is a sample identification number used internally by EcoAnalysts to track each sample through our lab.
- Row 13 and higher are the summary metrics that were calculated from the raw data presented in the "Taxa" worksheet.

Columns

- Column A lists the summary metric names.
- Column B and higher are the actual samples.
- Cells include the values for each metric for a sample. ***Values have been corrected for subsampling.***

LIST OF METRICS

ABUNDANCE MEASURES

Corrected Abundance: This is the estimated total number of invertebrates present in the sample. ***It is not a density measurement***.

EPT Abundance: The estimated total number of individuals in the insect orders Ephemeroptera, Plecoptera and Trichoptera (EPT) in the sample.

DOMINANCE MEASURES:

1st Dominant Taxon: The most abundant taxon in the sample.
1st Dominant Abundance: Estimated total number of the most abundant taxon in the sample.
2nd Dominant Taxon: The second most abundant taxon in the sample.
2nd Dominant Abundance: Estimated total number of the second most abundant taxon in the sample.
3rd Dominant Taxon: The third most abundant taxon in the sample.
3rd Dominant Abundance: Estimated total number of the third most abundant taxon in the sample.
% 1 Dominant Taxon: Relative occurrence of the most abundant taxon expressed as a percent of the total number of individuals in the sample.

% 2 Dominant Taxa: Relative occurrence of the two most abundant taxa combined, expressed as a percent of the total number of individuals in the sample.
% 3 Dominant Taxa: Relative occurrence of the three most abundant taxa combined, expressed as a percent of the total number of individuals in the sample.

RICHNESS MEASURES

Species Richness: Total number of identifiably distinct taxa in a sample.
EPT Richness: Total number of identifiably distinct taxa in the insect orders Ephemeroptera, Plecoptera, and Trichoptera.
Ephemeroptera Richness: Total number of identifiably distinct taxa in the insect order Ephemeroptera.
Plecoptera Richness: Total number of identifiably distinct taxa in the insect order Plecoptera.
Trichoptera Richness: Total number of identifiably distinct taxa in the insect order Trichoptera.
Chironomidae Richness: Total number of identifiably distinct taxa in the insect family Chironomidae (Order = Diptera).
Oligochaeta Richness: Total number of identifiably distinct taxa in the class Oligochaeta.
Non-Chironomidae + Non-Oligochaeta Richness: All identifiably distinct taxa in the sample minus Chironomidae and Oligochaeta.
Rhyacophila Richness: Total number of identifiably distinct taxa within the genus *Rhyacophila sp*. (Trichoptera: Rhyacophilidae).

COMMUNITY COMPOSITION

% Ephemeroptera: Relative abundance of all individuals in the insect order Ephemeroptera, expressed as a percent of the total number of individuals in the sample.
% Plecoptera: Relative abundance of all individuals in the insect order Plecoptera, expressed as a percent of the total number of individuals in the sample.
% Trichoptera: Relative abundance of all individuals in the insect order Trichoptera, expressed as a percent of the total number of individuals in the sample.
% EPT: Relative abundance of all individuals in the insect orders Ephemeroptera, Plecoptera, and Trichoptera, expressed as a percent of the total number of individuals in the sample.
% Baetidae: Relative abundance of all individuals in the insect family Baetidae (Order = Ephemeroptera), expressed as a percent of the total number of individuals in the sample.
% Ephemerellidae: Relative abundance of all individuals in the insect family Ephemerellidae (Order = Ephemeroptera), expressed as a percent of the total number of individuals in the sample.
% Perlidae: Relative abundance of all individuals in the insect family Perlidae (Order = Plecoptera), expressed as a percent of the total number of individuals in the sample.

% Pteronarcyidae: Relative abundance of all individuals in the insect family Pteronarcyidae (Order = Plecoptera), expressed as a percent of the total number of individuals in the sample.
% Brachycentridae: Relative abundance of all individuals in the insect family Brachycentridae (Order = Trichoptera), expressed as a percent of the total number of individuals in the sample.
% Hydropsychidae: Relative abundance of all individuals in the insect family Hydropsychidae (Order = Trichoptera), expressed as a percent of the total number of individuals in the sample.
% Diptera: Relative abundance of all individuals in the insect order Diptera, expressed as a percent of the total number of individuals in the sample.
% Chironomidae: Relative abundance of all individuals in the insect family Chironomidae (Order = Diptera), expressed as a percent of the total number of individuals in the sample.
% Simuliidae: Relative abundance of all individuals in the insect family Simuliidae (Order = Diptera), expressed as a percent of the total number of individuals in the sample.
% Odonata: Relative abundance of all individuals in the insect order Odonata, expressed as a percent of the total number of individuals in the sample.
% Coleoptera: Relative abundance of all individuals in the insect order Coleoptera, expressed as a percent of the total number of individuals in the sample.
% Oligochaeta: Relative abundance of all individuals in the class Oligochaeta, expressed as a percent of the total number of individuals in the sample.

FUNCTIONAL GROUP COMPOSITION

% Filterers: The relative abundance of all individuals in a sample whose ***primary*** feeding mechanism is to filter suspended fine particulates, expressed as a percentage of the total number of individuals in the sample.
% Gatherers: The relative abundance of all individuals in a sample whose ***primary*** feeding mechanism is to gather deposited fine particulates, expressed as a percentage of the total number of individuals in the sample.
% Predators: The relative abundance of all individuals in a sample whose ***primary*** feeding mechanism is to pierce or engulf other invertebrates, expressed as a percentage of the total number of individuals in the sample.
% Scrapers: The relative abundance of all individuals in a sample whose ***primary*** feeding strategy is to scrape attached periphyton and other particulates, expressed as a percentage of the total number of individuals in the sample.
% Shredders: The relative abundance of all individuals in a sample whose ***primary*** feeding mechanism is to shred coarse particulate organic matter (CPOM), expressed as a percentage of the total number of individuals in the sample.
% Piercer-Herbivore: The relative abundance of all individuals in a sample whose ***primary*** feeding mechanism is to pierce vegetation (filamentous algae and other), expressed as a percentage of the total number of individuals in the sample.
% Unclassified: The relative abundance of all individuals in a sample whose ***primary*** feeding mechanism is unknown or unclassified, expressed as a percentage of the total number of individuals in the sample.

Filterer Richness: The total number of distinctly identifiable taxa in a sample whose ***primary*** feeding mechanism is to filter suspended fine particulates.
Gatherer Richness: The total number of distinctly identifiable taxa in a sample whose ***primary*** feeding mechanism is to gather deposited fine particulates.
Predator Richness: The total number of distinctly identifiable taxa in a sample whose ***primary*** feeding mechanism is to pierce or engulf other invertebrates.
Scraper Richness: The total number of distinctly identifiable taxa in a sample whose ***primary*** feeding strategy is to scrape attached periphyton and other particulates.
Shredder Richness: The total number of distinctly identifiable taxa in a sample whose ***primary*** feeding mechanism is to shred CPOM.
Piercer-Herbivore Richness: The total number of distinctly identifiable taxa in a sample whose ***primary*** feeding mechanism is to pierce vegetation (filamentous algae and other).
Unclassified: The total number of distinctly identifiable taxa in a sample whose ***primary*** feeding mechanism is unknown or unclassified.

DIVERSITY/EVENNESS MEASURES

Shannon-Wiener H' (log2): A classic community diversity index, calculated using log base 2.
Shannon-Wiener H' (log e): The same classic community diversity index, calculated using log base e.
Shannon-Wiener H' (log 10): The same classic community diversity index, calculated using log base 10.
Margalef's Richness: An index of community diversity.
Pielou's J': An index of community evenness. Values range up to 1.0. Higher values indicate a more even community.
Simpson's Heterogeneity: A measure of the concentration of taxa. The simplest of diversity measures, this give the probability that two individuals randomly sampled from a community will be of the same taxon.

STRESSOR IDENTIFICATION INDICES

Hilsenhoff Biotic Index (HBI): An index of community tolerance to organic pollution. Values range from 0–10, with higher values indicating more organic influence at a site. The index is influenced primarily by organic enrichment, but other factors including temperature and sediment also have an influence. It is a weighted average of values assigned to each species present in a sample. Different agencies may use different values for each species. ***EcoAnalysts' default values are those currently (2001) in use in USEPA Region 10. If you wish to have your local values used, you should contact us to re-run the Metric Output using your preferred tolerance values.***

Metals Tolerance Index (MTI): An index of community tolerance to metal contamination, primarily copper and similar acting metals. As with the HBI, values range from 0-10, with higher values indicating a possible effect due to metal

contaminants. Values used for this calculation are those currently in use by Montana DEQ.

Fine Sediment Biotic Index (Summed): An index of fine sediment impact at a site. Developed for nearly 100 wide-ranging taxa in the western USA (Relyea et al. 2000). Each taxon is assigned a tolerance value, and the summed value for all taxa present in a sample is compared to….
Fine Sediment Biotic Index (Averaged): The values used by Relyea et al. (2000) are averaged for the sample. This is a modification of Relyea's index and is included for evaluation purposes only.
Fine Sediment Biotic Index (Weighted Average): A weighted average of the sediment tolerance values is calculated in a manner identical to the HBI and MTI. This is another modification of Relyea's index and is included for evaluation purposes only.
Temperature Preference Metric (Average): According to work recently done by Darren Brandt of Idaho DEQ (Brandt 2001), nearly 200 of the most common taxa in Idaho have been rated according to their preferred temperature. An average value is calculated for all taxa in a sample that have been assigned ratings (unrated taxa are not included). This value can then be used to reliably predict average summertime stream temperature within 1.5 degrees Celsius.
Temperature Preference Metric (Weighted Average): This is a modification of Brandt's temperature metric, whereby a weighted average is calculated in a manner identical to HBI and MTI. It is included for evaluation purposes only.
DEQ MBI: This is a multimetric index calculated by Idaho DEQ that may be applicable to neighboring streams outside Idaho. The index is ecoregion-specific. The MBI is not the same as the Stream Macroinvertebrate Index (SMI) that has recently been developed by Idaho DEQ.

KARR IBI

This is a multimetric index of biotic integrity developed for streams in the Puget Lowlands area. EcoAnalysts provides this index calculation for those contracts that specifically request it. The index consists of 10 biological metric components. Raw values for each metric are ranked to a 1,3,5 scale and the ranks are summed. The total IBI score can range from a low of 10 to a high of 50. Component metrics include: total taxa richness, Ephemeroptera richness, Plecoptera richness, Trichoptera richness, intolerant taxa richness, clinger taxa richness, long-lived taxa richness, percent tolerant individuals, percent predator, and percent dominant 3 taxa. This section of the Metric Output lists only those component metrics not previously listed. They are:

Long-lived Taxa Richness: The total number of taxa in a sample that require more than one year to complete their life cycle. These taxa must overwinter in the stream and are exposed to any effects of human disturbance that may occur during the winter season. They are not usually found in ephemeral streams or streams prone to severe flooding.

Clinger Taxa Richness: The total number of taxa in a sample having morphological adaptations allowing them to hold on to ("cling to") smooth, stable substrates in flowing

water. Clinger taxa are sensitive to sediment deposition, which can fill in their preferred habitat found in the crevices between rocks in the streambed.
Intolerant Taxa Richness: The number of taxa in a sample identified as intolerant to disturbance. Usually this represents 5-10% of all the taxa in a region, as the remainder are either moderately or very tolerant. Typically this includes those taxa with HBI values of 8 or higher. Increased disturbance will decrease the number of tolerant taxa present at a site.
% Tolerant Individuals: The relative abundance of all individuals in a sample having HBI values of 8 or greater, expressed as a percentage of the total number of individuals in the sample. Although tolerant taxa may be found in many sites, they do not usually become dominant unless a disturbance removes intolerant taxa. The tolerant taxa can then dominate a community and fill in the niches left as intolerant taxa disappear.

LAKE METRICS

If your samples were from a lake, or other lentic environment, EcoAnalysts will include the following metrics in your data output:

% Orthocladiinae: Relative abundance of all individuals in the subfamily Orthocladiinae (Family = Chironomidae), expressed as a percent of the total number of individuals in the sample.
Orthocladiinae Richness: Total number of identifiably distinct taxa in the subfamily Orthocladiinae.
% Chironomini: Relative abundance of all individuals in the tribe Chironomini (Family = Chironomidae), expressed as a percent of the total number of individuals in the sample.
Chironomini Richness: Total number of identifiably distinct taxa in the tribe Chironomini.
%Tanytarsini: Relative abundance of all individuals in the tribe Tanytarsini (Family = Chironomidae), expressed as a percent of the total number of individuals in the sample.
%Tanytarsus: Relative abundance of all individuals in the genus *Tanytarsus* sp. (Family = Chironomidae), expressed as a percent of the total number of individuals in the sample.
%Chironomus: Relative abundance of all individuals in the genus *Chironomus* sp. (Family = Chironomidae), expressed as a percent of the total number of individuals in the sample.
%Dicrotendipes: Relative abundance of all individuals in the genus *Dicrotendipes* sp. (Family = Chironomidae), expressed as a percent of the total number of individuals in the sample.
%Dicrotendipes+Chironomus: Combined relative abundance of all individuals in the genera *Dicrotendipes* sp. and *Chironomus* sp., expressed as a percent of the total number of individuals in the sample.
%Corbicula: Relative abundance of all individuals in the genus *Corbicula* sp. (Bivalvia: Corbiculidae), expressed as a percent of the total number of individuals in the sample.
%Manayunka speciosa: Relative abundance of all individuals of the species *Manayunkia speciosa* (Polychaeta: Sabellidae), expressed as a percent of the total number of individuals in the sample.

Average Abundance Per Taxon: The total number of individuals in a sample divided by the total number of taxa in the sample.
% Intolerant: Relative abundance of all individuals in the sample that have a tolerance value of 2 or less.
%Non-Insect: Relative abundance of all individuals in the sample that are not in the class Insecta, expressed as a percent of the total number of individuals in the sample.
%Crustacea: Relative abundance of all individuals in the sample that are crustaceans, expressed as a percent of the total number of individuals in the sample.
%Mollusca: Relative abundance of all individuals in the sample that are mollusks, expressed as a percent of the total number of individuals in the sample.
%Crustacea+Mollusca: Combined relative abundance of all individuals in the sample that are either crustaceans or mollusks, expressed as a percent of the total number of individuals in the sample.
%Non-Chironomidae: Relative abundance of all individuals in the sample that are not in the insect family Chironomidae, expressed as a percent of the total number of individuals in the sample.

LITERATURE CITED

Brandt, D. 2001. Temperature response regressions for 162 common macroinvertebrate taxa and supporting documentation. Idaho DEQ, Boise, ID. 90pp.

Relyae, C.D., G.W. Minshall, R.J.Danehy. 2000. Stream insects as bioindicators of fine sediment. Watershed Management 2000 Conference.

EI_TIN	TAXON	KINGDOM	PHYLUM	SUBPHYLUM	CLASS	SUBCLASS	INFRACLASS	DIVISION	ORDER	SUBORDER	SUPERFAM	FAMILY	SUBFAMILY	TRIBE
3899	Dorvilleidae	Animalia	Annelida		Polychaeta				Aciculata	Eunicida		Dorvilleidae		
3933	Glyceridae	Animalia	Annelida		Polychaeta				Aciculata	Phyllodocida		Glyceridae		
3938	Ampelisca sp.	Animalia	Arthropoda	Crustacea	Malacostraca				Amphipoda	Gammaridea		Ampeliscidae		
116	Amphipoda	Animalia	Arthropoda	Crustacea	Malacostraca				Amphipoda					
3948	Apocorophium louisianum	Animalia	Arthropoda	Crustacea	Malacostraca	Eumalacostraca			Amphipoda	Gammaridea		Corophiidae		
3949	Cerapus cudjoe	Animalia	Arthropoda	Crustacea	Malacostraca	Eumalacostraca			Amphipoda	Gammaridea		Ischyroceridae		
118	Gammarus sp.	Animalia	Arthropoda	Crustacea	Malacostraca				Amphipoda			Gammaridae		
1157	Hyalella sp.	Animalia	Arthropoda	Crustacea	Malacostraca				Amphipoda			Talitridae		
3940	Melita sp.	Animalia	Arthropoda	Crustacea	Malacostraca				Amphipoda	Gammaridea		Melitidae		
119	Talitridae	Animalia	Arthropoda	Crustacea	Malacostraca				Amphipoda			Talitridae		
126	Acari	Animalia	Arthropoda	Chelicerata	Arachnida	Acari (=Acarina)			Arachnida (class)					
3950	Detracia floridana	Animalia	Mollusca		Gastropoda				Archaeopulmonata			Ellobiidae		
78	Ancylidae	Animalia	Mollusca		Gastropoda				Basommatophora			Ancylidae		
79	Ferrissia sp.	Animalia	Mollusca		Gastropoda				Basommatophora			Ancylidae		
96	Gyraulus sp.	Animalia	Mollusca		Gastropoda				Basommatophora			Planorbidae		
3822	Laevapex sp.	Animalia	Mollusca		Gastropoda				Basommatophora			Ancylidae		
3781	Micromenetus sp.	Animalia	Mollusca		Gastropoda				Basommatophora			Planorbidae		
93	Physa sp.	Animalia	Mollusca		Gastropoda				Basommatophora			Physidae		
95	Planorbidae	Animalia	Mollusca		Gastropoda				Basommatophora			Planorbidae		
3510	Pseudosuccinea columella	Animalia	Mollusca		Gastropoda				Basommatophora			Lymnaeidae		
1401	Bivalvia	Animalia	Mollusca		Bivalvia				Bivalvia (class)					
490	Berosus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Hydrophilidae		
1833	Desmopachria sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Dytiscidae		
447	Dubiraphia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Elmidae		
1266	Hydraena sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Hydraenidae		
1855	Hydrocanthus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Noteridae		
1237	Hydrochus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Hydrochidae		
489	Hydrophilidae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Hydrophilidae		
1854	Noteridae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Noteridae		
487	Peltodytes sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Haliplidae		
1858	Suphis sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Noteridae		
1859	Suphisellus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Noteridae		
494	Tropisternus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Coleoptera			Hydrophilidae		
3871	Cumacea	Animalia	Arthropoda	Crustacea	Malacostraca				Cumacea					
3885	Brachyura	Animalia	Arthropoda	Crustacea	Malacostraca				Decapoda	Brachyura				
125	Cambaridae	Animalia	Arthropoda	Crustacea	Malacostraca				Decapoda			Cambaridae		
3901	Caridea	Animalia	Arthropoda	Crustacea	Malacostraca				Decapoda	Caridea				
122	Decapoda	Animalia	Arthropoda	Crustacea	Malacostraca				Decapoda					
3934	Grapsidae	Animalia	Arthropoda	Crustacea	Malacostraca				Decapoda	Pleocyemata	Grapsoidea	Grapsidae		
2694	Palaemonetes kadiakensis	Animalia	Arthropoda	Crustacea	Malacostraca				Decapoda			Palaemotidae		
3952	Palaemonetes pugio	Animalia	Arthropoda	Crustacea	Malacostraca	Eumalacostraca			Decapoda		Palaemonoidea	Palaemonidae	Palaemoninae	
2366	Palaemonetes sp.	Animalia	Arthropoda	Crustacea	Malacostraca				Decapoda			Palaemonidae		
3925	Penaeidae	Animalia	Arthropoda	Crustacea	Malacostraca	Eumalacostraca			Decapoda	Dendrobranchiata	Penaeoidea	Penaeidae		
3926	Porcellanidae	Animalia	Arthropoda	Crustacea	Malacostraca	Eumalacostraca			Decapoda	Pleocyemata	Galatheoidea	Porcellanidae		
3936	Portunidae	Animalia	Arthropoda	Crustacea	Malacostraca				Decapoda	Pleocyemata	Portunoidea	Portunidae		
3943	Sesarma sp.	Animalia	Arthropoda	Crustacea	Malacostraca				Decapoda	Pleocyemata	Grapsoidea	Sesarmidae		
3945	Uca sp.	Animalia	Arthropoda	Crustacea	Malacostraca				Decapoda	Pleocyemata	Ocypodoidea	Ocypodidae		
3034	Bezzia/Palpomyia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Ceratopogonidae		
1032	Ceratopogoninae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Ceratopogonidae	Ceratopogoninae	
1201	Chaoborus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Chaoboridae		
3932	Coelopidae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera	Brachycera		Coelopidae		
2190	Culex sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Culicidae		
702	Culicidae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Culicidae		
1962	Dasyhelea sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Ceratopogonidae		
1149	Dolichopodidae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Dolichopodidae		
1064	Hedriodiscus/Odontomyia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Stratiomyidae		
1063	Odontomyia sp	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Stratiomyidae		
1204	Probezzia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Ceratopogonidae		
1974	Sphaeromias sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Ceratopogonidae		
740	Stratiomyidae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera			Stratiomyidae		

EI_TIN	TAXON	KINGDOM	PHYLUM	SUBPHYLUM	CLASS	SUBCLASS	INFRACLASS	DIVISION	ORDER	SUBORDER	SUPERFAM	FAMILY	SUBFAMILY	TRIBE
767	Ablabesmyia annulata	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Tanypodinae	Pentaneurini
3685	Ablabesmyia peleensis	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Tanypodinae	Pentaneurini
3883	Ablabesmyia rhamphe gr.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Tanypodinae	Pentaneurini
926	Chironomini	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
930	Chironomus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
931	Cladopelma sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
1006	Cladotanytarsus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Tanytarsini
774	Clinotanypus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Tanypodinae	Coelotanypodini
775	Coelotanypus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Tanypodinae	Coelotanypodini
934	Cryptochironomus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
941	Dicrotendipes lucifer	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
943	Dicrotendipes simpsoni	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
944	Dicrotendipes sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
945	Einfeldia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
948	Endochironomus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
2284	Endotribelos sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
950	Glyptotendipes sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
951	Goeldichironomus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
788	Labrundinia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Tanypodinae	Pentaneurini
789	Larsia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Tanypodinae	Pentaneurini
792	Monopelopia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Tanypodinae	Pentaneurini
878	Nanocladius sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Orthocladiinae	
3956	Not on list.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
964	Parachironomus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
977	Polypedilum fallax gr.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
3320	Polypedilum halterale gr.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
988	Polypedilum sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
3747	Polypedilum trigonus	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
799	Procladius sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Tanypodinae	Procladiini
989	Pseudochironomus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Pseudochironomini
906	Pseudosmittia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Orthocladiinae	
802	Tanypus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Tanypodinae	Tanypodini
1029	Tanytarsus sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Tanytarsini
1001	Xenochironomus xenolabis	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Chironomini
2296	Zavreliella sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Diptera-Chironomidae			Chironomidae	Chironominae	Tanytarsini
1425	Caenis diminuta	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Ephemeroptera			Caenidae		
153	Caenis sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Ephemeroptera			Caenidae		
146	Callibaetis sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Ephemeroptera			Baetidae		
3953	Campsurus decoloratus	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Ephemeroptera	Furcatergalia	Ephemeroidea	Polymitarcyidae		
128	Ephemeroptera	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Ephemeroptera					
200	Hexagenia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Ephemeroptera			Ephemeridae		
225	Stenacron interpunctatum	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Ephemeroptera			Heptageniidae		
77	Gastropoda	Animalia	Mollusca		Gastropoda				Gastropoda (class)					
1065	Belostoma sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Exopterygota	Hemiptera			Belostomatidae		
288	Belostomatidae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Exopterygota	Hemiptera			Belostomatidae		
295	Corisella sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Exopterygota	Hemiptera			Corixidae		
290	Corixidae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Exopterygota	Hemiptera			Corixidae		
306	Naucoridae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Exopterygota	Hemiptera			Naucoridae		
1685	Pelocoris sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Exopterygota	Hemiptera			Naucoridae		
1679	Ranatra sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Exopterygota	Hemiptera			Nepidae		
1047	Hirudinea	Animalia	Annelida		Hirudinea				Hirudinea (class)					
1	Hydra sp.	Animalia	Coelenterata		Hydrozoa				Hydroida			Hydridae		
1182	Lirceus sp.	Animalia	Arthropoda	Crustacea					Isopoda			Asellidae		
3942	Probopyrus sp.	Animalia	Arthropoda	Crustacea					Isopoda	Epicaridea	Bopyroidea	Bopyridae		
3944	Sphaeroma sp.	Animalia	Arthropoda	Crustacea					Isopoda	Flabellifera		Sphaeromatidae		
690	Lepidoptera	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Lepidoptera					
5	Lumbricina	Animalia	Annelida		Oligochaeta				Lumbricina					
3946	Americamysis bahia	Animalia	Arthropoda	Crustacea	Malacostraca				Mysidacea			Mysidae		
67	Nematoda	Animalia	Nematoda						Nematoda (phylum)					
3935	Olividae	Animalia	Mollusca		Gastropoda	Prosobranchia			Neogastropoda			Olividae		
80	Hydrobiidae	Animalia	Mollusca		Gastropoda				Neotaenioglossa			Hydrobiidae		
3939	Littorina sp.	Animalia	Mollusca		Gastropoda				Neotaenioglossa			Littorinidae		

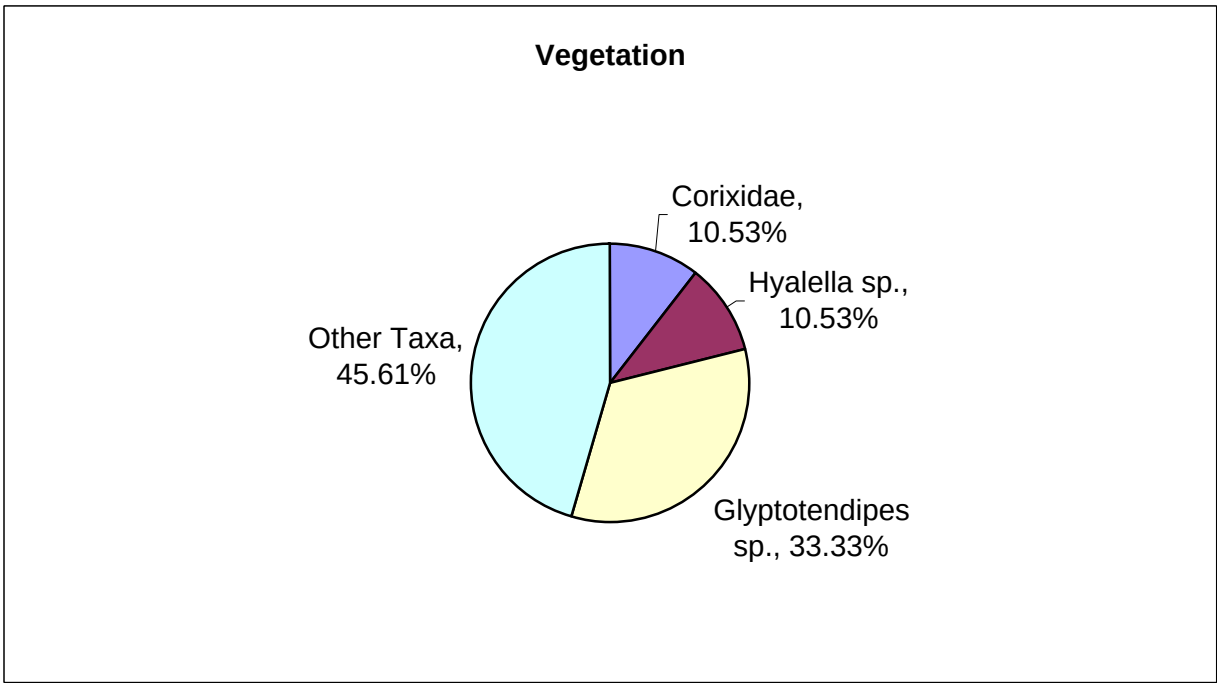
EI_TIN	TAXON	KINGDOM	PHYLUM	SUBPHYLUM	CLASS	SUBCLASS	INFRACLASS	DIVISION	ORDER	SUBORDER	SUPERFAM	FAMILY	SUBFAMILY	TRIBE
3941	Neritina sp.	Animalia	Mollusca		Gastropoda				Neritopsina			Neritidae		
2305	Climacia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Neuroptera			Sisyridae		
2433	Coenagrion/Enallagma sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Odonata	Zygoptera		Coenagrionidae		
271	Coenagrionidae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Odonata	Zygoptera		Coenagrionidae		
273	Enallagma sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Odonata	Zygoptera		Coenagrionidae		
3882	Erythemis simplicicollis	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Odonata	Anisoptera		Libellulidae		
277	Gomphidae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Odonata	Anisoptera		Gomphidae		
284	Libellulidae	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Paleoptera		Odonata	Anisoptera		Libellulidae		
13	Aulodrilus pigueti	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Tubificidae		
2419	Bratislavia unidentata	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Tubificidae		
35	Chaetogaster sp.	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Naididae		
37	Dero furcata	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Naididae		
41	Dero sp.	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Naididae		
9	Enchytraeidae	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Enchytraeidae		
19	Limnodrilus cervix	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Tubificidae		
21	Limnodrilus hoffmeisteri	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Tubificidae		
6	Lumbriculidae	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Lumbriculidae		
48	Nais pardalis	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Naididae		
51	Nais sp.	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Naididae		
50	Nais variabilis	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Naididae		
55	Pristina leidyi	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Naididae		
59	Pristina osborni	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Naididae		
60	Pristina sp.	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Naididae		
2695	Rhyacodrilus sp.	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Tubificidae		
1347	Tubificidae w/ cap setae	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Tubificidae		
1348	Tubificidae w/o cap setae	Animalia	Annelida		Oligochaeta				Oligochaeta (class)			Tubificidae		
121	Ostracoda	Animalia	Arthropoda	Crustacea	Ostracoda				Ostracoda (class)					
3554	Nereididae		Annelida		Polychaeta				Polychaeta (class)			Nereididae		
3236	Polychaeta	Animalia	Annelida		Polychaeta				Polychaeta (class)					
1383	Actinobdella sp.	Animalia	Annelida		Hirudinea				Rhynchobdellida			Glossiphoniidae		
70	Glossiphoniidae	Animalia	Annelida		Hirudinea				Rhynchobdellida			Glossiphoniidae		
73	Helobdella elongata	Animalia	Annelida		Hirudinea				Rhynchobdellida			Glossiphoniidae		
74	Helobdella stagnalis	Animalia	Annelida		Hirudinea				Rhynchobdellida			Glossiphoniidae		
3229	Oribatei	Animalia	Arthropoda	Chelicerata	Arachnida	Acari (=Acarina)			Sarcoptiformes	Oribatei				
3931	Balanomorpha	Animalia	Arthropoda	Crustacea	Maxillopoda	Thecostraca	Cirripedia		Sessilia	Balanomorpha				
3924	Sessilia	Animalia	Arthropoda	Crustacea	Maxillopoda	Thecostraca			Sessilia					
3951	Hargeria rapax	Animalia	Arthropoda	Crustacea	Malacostraca	Eumalacostraca			Tanaidacea	Tanaidomorpha	Paratanaoidea	Leptocheliidae		
3937	Leptocheliidae	Animalia	Arthropoda	Crustacea	Malacostraca	Eumalacostraca			Tanaidacea	Tanaidomorpha	Paratanaoidea	Leptocheliidae		
597	Oecetis sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Trichoptera			Leptoceridae		
579	Orthotrichia sp.	Animalia	Arthropoda	Uniramia	Insecta	Pterygota	Neoptera	Endopterygota	Trichoptera			Hydroptilidae		
3080	Arrenurus sp.	Animalia	Arthropoda	Chelicerata	Arachnida	Acari (=Acarina)			Trombidiformes	Prostigmata		Arrenuridae		
3096	Hydrachna sp.	Animalia	Arthropoda	Chelicerata	Arachnida	Acari (=Acarina)			Trombidiformes	Prostigmata		Hydrachnidae		
3132	Limnesia sp.	Animalia	Arthropoda	Chelicerata	Arachnida	Acari (=Acarina)			Trombidiformes	Prostigmata		Limnesiidae		
3143	Mideopsis sp.	Animalia	Arthropoda	Chelicerata	Arachnida	Acari (=Acarina)			Trombidiformes	Prostigmata		Mideopsidae		
3225	Neumania sp.	Animalia	Arthropoda	Chelicerata	Arachnida	Acari (=Acarina)			Trombidiformes	Prostigmata		Unionicolidae		
3002	Sperchon sp.	Animalia	Arthropoda	Chelicerata	Arachnida	Acari (=Acarina)			Trombidiformes	Prostigmata		Sperchontidae		
3126	Unionicola sp.	Animalia	Arthropoda	Chelicerata	Arachnida	Acari (=Acarina)			Trombidiformes	Prostigmata		Unionicolidae		
2	Turbellaria	Animalia	Platyhelminthes		Turbellaria				Turbellaria (class)					
3947	Anodonta imbecillis	Animalia	Mollusca		Bivalvia	Paeloheterodonta			Unionoida			Unionidae		
105	Unionidae	Animalia	Mollusca		Bivalvia	Paeloheterodonta			Unionoida			Unionidae		
1173	Dreissena polymorpha	Animalia	Mollusca		Bivalvia	Heterodonta			Veneroida		Dreissenoidea	Dreisseniidae		
2982	Eupera cubensis	Animalia	Mollusca		Bivalvia	Lamellibranchia			Veneroida		Corbiculoidea	Sphaeriidae		
3329	Musculium transversum	Animalia	Mollusca		Bivalvia	Lamellibranchia			Veneroida		Corbiculoidea	Sphaeriidae		
101	Sphaeriidae	Animalia	Mollusca		Bivalvia	Lamellibranchia			Veneroida		Corbiculoidea	Sphaeriidae		
3930	Ophiuroidea	Animalia	Echinodermata	Eleutherozoa	Ophiuroidea									

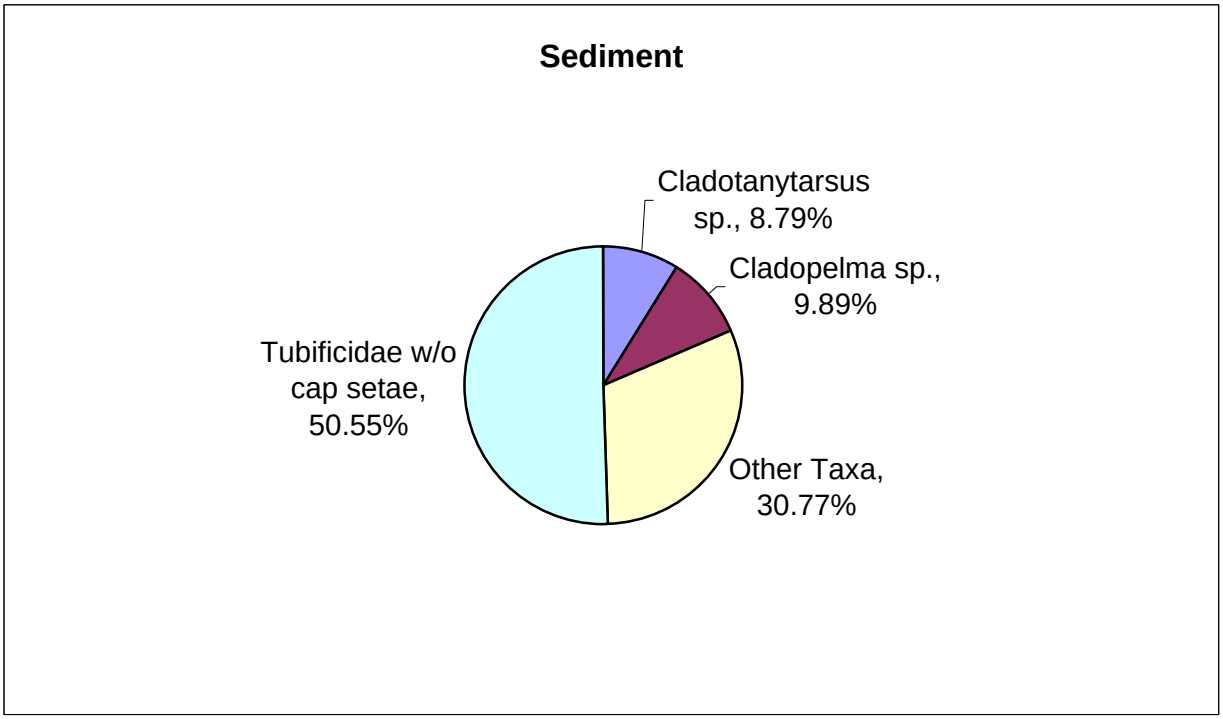
EI_TIN	TAXON	GENUS	SUBGENUS	GROUP	SPECIES	SUBSPECIES	ADDITIONS	FFG	FFGREF	HBI	HBIREF	HABIT	VOLTINISM	ITISCODE
3899	Dorvilleidae							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	66478
3933	Glyceridae							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	66101
3938	Ampelisca sp.	Ampelisca			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	93321
116	Amphipoda							Gatherers		4		Swimmer/50%, Sprawler/50	Facultative Multivoltine	93294
3948	Apocorophium louisianum	Apocorophium			louisianum			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	656750
3949	Cerapus cudjoe	Cerapus			cudjoe			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	656938
118	Gammarus sp.	Gammarus			sp.			Gatherers		6		SW/50%, SP/50%	Facultative Multivoltine	93773
1157	Hyalella sp.	Hyalella			sp.			Gatherers		8		Swimmer/Sprawler	Facultative Multivoltine	94025
3940	Melita sp.	Melita			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	93806
119	Talitridae							Gatherers		8		Burrower	Unclassified by EI	95032
126	Acari							Predators	Smith et al 2001	6		Clinger	Univoltine	82754
3950	Detracia floridana	Detracia			floridana			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	76463
78	Ancylidae							Scrapers		6		Unclassified by EI	Unclassified by EI	76568
79	Ferrissia sp.	Ferrissia			sp.			Scrapers		6		Clingers	Unclassified by EI	76569
96	Gyraulus sp.	Gyraulus			sp.			Scrapers		8		Clingers	Unclassified by EI	76592
3822	Laevapex sp.	Laevapex			sp.			Unclassified by EI		-99				76576
3781	Micromenetus sp.	Micromenetus			sp.			Unclassified by EI		-99				76643
93	Physa sp.	Physa			sp.			Scrapers		8		Clingers	Unclassified by EI	76677
95	Planorbidae							Scrapers		6		Clingers	Unclassified by EI	76591
3510	Pseudosuccinea columella	Pseudosuccinea			columella			Gatherers		6	Bode et al 1991	Clinger	Unclassified by EI	76529
1401	Bivalvia							Filterers		-99		Unclassified by EI	Long-lived	79118
490	Berosus sp.	Berosus			sp.			Shredders		7		Climber	Facultative Multivoltine	112812
1833	Desmopachria sp.	Desmopachria			sp.			Unclassified by EI		-99		CM (la), DI, SW (ad)	Facultative Multivoltine	112145
447	Dubiraphia sp.	Dubiraphia			sp.			Gatherers		6		Clinger/50%, Burrower/50%	Univoltine	114126
1266	Hydraena sp.	Hydraena			sp.			Predators		5		Clinger	Unclassified by EI	112757
1855	Hydrocanthus sp.	Hydrocanthus			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	112623
1237	Hydrochus sp.	Hydrochus			sp.			Herbivores		-99		Climbers (L ,A)	Unclassified by EI	113166
489	Hydrophilidae							Predators		5		Clinger,SP,CM,BU(la) DI, SW(a	Facultative Multivoltine	112811
1854	Noteridae							Unclassified by EI		-99		CM,BU (la), CM (ad)	Univoltine	112606
487	Peltodytes sp.	Peltodytes			sp.			Shredders		5		Clinger,CM (la), SW,CM (ad)	Facultative Multivoltine	111923
1858	Suphis sp.	Suphis			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	112636
1859	Suphisellus sp.	Suphisellus			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	112607
494	Tropisternus sp.	Tropisternus			sp.			Gatherers		7		Clinger,SP,CM(la), DI,SW(ad)	Facultative Multivoltine	112938
3871	Cumacea							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	90745
3885	Brachyura							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	98276
125	Cambaridae							Gatherers		6		Unclassified by EI	Unclassified by EI	97336
3901	Caridea							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	96106
122	Decapoda							Shredders		8		SW/50%, SP/50%	Unclassified by EI	95599
3934	Grapsidae							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	99033
2694	Palaemonetes kadiakensis	Palaemonetes			kadiakensi			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	96396
3952	Palaemonetes pugio	Palaemonetes			pugio			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	96390
2366	Palaemonetes sp.	Palaemonetes			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	96383
3925	Penaeidae							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	95602
3926	Porcellanidae							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	98058
3936	Portunidae							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	98689
3943	Sesarma sp.	Sesarma			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	99037
3945	Uca sp.	Uca			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	99084
3034	Bezzia/Palpomyia sp.	Bezzia/Palpomyia			sp.			Predators	Merritt et al 1996	-98	Unclassified by	Burrower	Univoltine	
1032	Ceratopogoninae							Predators	Meritt et al 1996	6		Burrower	Facultative Multivoltine	127076
1201	Chaoborus sp.	Chaoborus			sp.			Unclassified by EI		-99		Swimmer	Facultative Semivoltine	125904
3932	Coelopidae							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	144610
2190	Culex sp.	Culex			sp.			Filterers	Walker & Mewson 1996	-99	Unclassified by EI	Swimmer	Multivoltine	126455
702	Culicidae							Gatherers		8		Swimmer	Facultative Semivoltine	125930
1962	Dasyhelea sp.	Dasyhelea			sp.			Gatherers	Courtney et al 1996	-99	Unclassified by	Sprawler	Unclassified by EI	127278
1149	Dolichopodidae							Predators		4		Sprawler	Univoltine	136824
1064	Hedriodiscus/Odontomyia sp.	Hedriodiscus/Odontomyia			sp.			Gatherers		-99		Unclassified by EI	Unclassified by EI	
1063	Odontomyia sp	Odontomyia			sp			Gatherers		5		Sprawler	Univoltine	130573
1204	Probezzia sp.	Probezzia			sp.			Predators	Courtney et al 1996	-99		Burrower	Unclassified by EI	127729
1974	Sphaeromias sp.	Sphaeromias			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	127761
740	Stratiomyidae							Gatherers		8		Sprawler	Univoltine	130150

EI_TIN	TAXON	GENUS	SUBGENUS	GROUP	SPECIES	SUBSPECIES	ADDITIONS	FFG	FFGREF	HBI	HBIREF	HABIT	VOLTINISM	ITISCODE
767	Ablabesmyia annulata	Ablabesmyia			annulata			Predators		8		Unclassified by EI	Unclassified by EI	128081
3685	Ablabesmyia peleensis	Ablabesmyia			peleensis			Unclassified by EI		-99	HBIREF	Predators		128113
3883	Ablabesmyia rhamphe gr.	Ablabesmyia			rhamphe gr.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	0
926	Chironomini							Gatherers		6		Burrower	Univoltine, Bivoltine, Multivo	129229
930	Chironomus sp.	Chironomus			sp.			Gatherers		10		Burrower	Obligate Multivoltine	129254
931	Cladopelma sp.	Cladopelma			sp.			Gatherers		9		Burrower	Unclassified by EI	129350
1006	Cladotanytarsus sp.	Cladotanytarsus			sp.			Gatherers		7		Clinger	Univoltine	129873
774	Clinotanypus sp.	Clinotanypus			sp.			Predators	Coffman and Ferrington 1996	8		Sprawler 50% / Burower 50%	Multivoltine	127996
775	Coelotanypus sp.	Coelotanypus			sp.			Predators		4		Unclassified by EI	Unclassified by EI	128010
934	Cryptochironomus sp.	Cryptochironomus			sp.			Predators		8		Burrower/Sprawler	Bivoltine	129368
941	Dicrotendipes lucifer	Dicrotendiptes			lucifer			Gatherers		8		Unclassified by EI	Unclassified by EI	129458
943	Dicrotendipes simpsoni	Dicrotendipes			simpsoni			Gatherers		8		Unclassified by EI	Unclassified by EI	193743
944	Dicrotendipes sp.	Dicrotendipes			sp.			Gatherers		8		Burrower	Obligate Multivoltine	129428
945	Einfeldia sp.	Einfeldia			sp.			Gatherers		9		Burrower	Univoltine, Bivoltine	129459
948	Endochironomus sp.	Endochironomus			sp.			Shredders		10		Clinger	Univoltine, Bivoltine	129470
2284	Endotribelos sp.	Endotribelos			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	130046
950	Glyptotendipes sp.	Glyptotendipes			sp.			Gatherers		8		Burrower/Clinger	Bivoltine	129483
951	Goeldichironomus sp.	Goeldichironomus			sp.			Gatherers		8		Unclassified by EI	Unclassified by EI	129506
788	Labrundinia sp.	Labrundinia			sp.			Predators		7		Sprawler	Unclassified by EI	128173
789	Larsia sp.	Larsia			sp.			Predators		6		Sprawler	Univoltine, Bivoltine	128183
792	Monopelopia sp.	Monopelopia			sp.			Predators		6		Sprawler	Univoltine	128199
878	Nanocladius sp.	Nanocladius			sp.			Gatherers		3		Sprawler	Univoltine, Bivoltine, Multivo	128844
3956	Not on list.	Dicrotendipes			lobus			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	129445
964	Parachironomus sp.	Parachironomus			sp.			Gatherers		10		Sprawler	Unclassified by EI	129564
977	Polypedilum fallax gr.	Polypedilum			fallax		grp.	Shredders		6		Clinger	Univoltine	
3320	Polypedilum halterale gr.	Polypedilum			halterale grp.			Unclassified by EI		-99		Unclassified by EI		
988	Polypedilum sp.	Polypedilum			sp.			Shredders		6		Clinger	Bivoltine	129657
3747	Polypedilum trigonus	Polypedilum			trigonus			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	
799	Procladius sp.	Procladius			sp.			Predators		9		Sprawler	Bivoltine	128277
989	Pseudochironomus sp.	Pseudochironomus			sp.			Gatherers		5		Burrower	Univoltine	129851
906	Pseudosmittia sp.	Pseudosmittia			sp.			Gatherers		6		Unclassified by EI	Unclassified by EI	129071
802	Tanypus sp.	Tanypus			sp.			Predators		10		Sprawler	Unclassified by EI	128324
1029	Tanytarsus sp.	Tanytarsus			sp.			Filterers		6		Clinger	Univoltine, Bivoltine, Multivo	129978
1001	Xenochironomus xenolabis	Xenochironomus			xenolabis			Predators	Coffman & Ferrington 1996	0	Bode et al 1991	Burrowers	Unclassified by EI	129838
2296	Zavreliella sp.	Zavreliella			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	130040
1425	Caenis diminuta	Caenis			diminuta			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	101483
153	Caenis sp.	Caenis			sp.			Gatherers		7		Sprawler/75%, CM/25%	Facultative Multivoltine	101478
146	Callibaetis sp.	Callibaetis			sp.			Gatherers	Edmunds and Waltz 1996	9		Swimmer	Facultative Multivoltine	100903
3953	Campsurus decoloratus	Campsurus			decoloratus			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	101575
128	Ephemeroptera							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	100502
200	Hexagenia sp.	Hexagenia			sp.			Gatherers		6		Burrower	Unclassified by EI	101537
225	Stenacron interpunctatum	Stenacron			interpunctatum			Scrapers		7		Unclassified by EI	Unclassified by EI	100714
77	Gastropoda							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	69459
1065	Belostoma sp.	Belostoma			sp.			Predators		8		Climber	Unclassified by EI	103684
288	Belostomatidae							Predators	Polhemus 1996	8		Climber	Unclassified by EI	103683
295	Corisella sp.	Corisella			sp.			Predators		8		Swimmer	Facultative Semivoltine	103484
290	Corixidae							Piercer-Herbivore	Polhemus 1996	8		Swimmer	Facultative Semivoltine	103364
306	Naucoridae							Predators		5		Clinger	Facultative Multivoltine	103613
1685	Pelocoris sp.	Pelocoris			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	103665
1679	Ranatra sp.	Ranatra			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	103748
1047	Hirudinea							Predators		7		Unclassified by EI	Unclassified by EI	69290
1	Hydra sp.	Hydra			sp.			Predators		5		PL/25%, AT/75%	Facultative Multivoltine	50845
1182	Lirceus sp.	Lirceus			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	92666
3942	Probopyrus sp.	Probopyrus			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	542384
3944	Sphaeroma sp.	Sphaeroma			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	92337
690	Lepidoptera							Shredders	Lange 1996	5		Climber	Unclassified by EI	117232
5	Lumbricina							Gatherers		8		Unclassified by EI	Unclassified by EI	69069
3946	Americamysis bahia	Americamysis			bahia			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	682617
67	Nematoda							Predators	Poiner 2001	5		Burrower	Facultative Multivoltine	59490
3935	Olividae							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	74222
80	Hydrobiidae							Scrapers		5		Clingers	Unclassified by EI	70493
3939	Littorina sp.	Littorina			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	70395

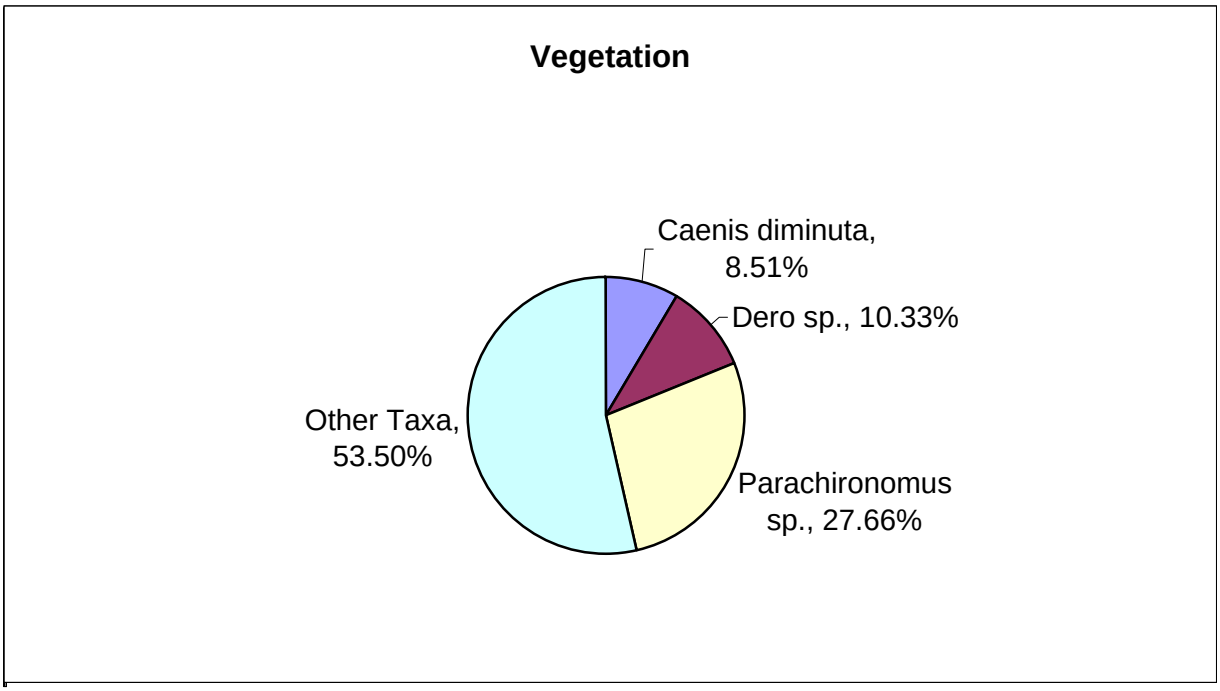
EI_TIN	TAXON	GENUS	SUBGENUS	GROUP	SPECIES	SUBSPECIES	ADDITIONS	FFG	FFGREF	HBI	HBIREF	HABIT	VOLTINISM	ITISCODE
3941	Neritina sp.	Neritina			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	70160
2305	Climacia sp.	Climacia			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	115086
2433	Coenagrion/Enallagma sp.	Coenagrion/Enallagma			sp.			Predators		9		Unclassified by EI	Unclassified by EI	
271	Coenagrionidae							Predators		9		Climber	Unclassified by EI	102077
273	Enallagma sp.	Enallagma			sp.			Predators		8		Climber	Facultative Semivoltine	102102
3882	Erythemis simplicicollis	Erythemis			simplicicollis			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	101866
277	Gomphidae							Predators		1		Burrower	Unclassified by EI	101664
284	Libellulidae							Predators	Westfall and Tennessen 199	2		Sprawler	Unclassified by EI	101797
13	Aulodrilus pigueti	Aulodrilus			piqueti			Gatherers		8		Sprawler	Unclassified by EI	68680
2419	Bratislavia unidentata	Bratislavia			unidentata			Gatherers		-99		Unclassified by EI	Unclassified by EI	69023
35	Chaetogaster sp.	Chaetogaster			sp.			Predators		6		Unclassified by EI	Unclassified by EI	68934
37	Dero furcata	Dero			furcata			Gatherers	Bode et al 1991	10		Unclassified by EI	Unclassified by EI	68912
41	Dero sp.	Dero			sp.			Gatherers		10		Sprawler	Unclassified by EI	68898
9	Enchytraeidae							Gatherers	NYDEC	10	NYDEC	Unclassified by EI	Unclassified by EI	68510
19	Limnodrilus cervix	Limnodrilus			cervix			Gatherers		10		Unclassified by EI	Unclassified by EI	68652
21	Limnodrilus hoffmeisteri	Limnodrilus			hoffmeisteri			Gatherers		10		Sprawler	Unclassified by EI	68639
6	Lumbriculidae							Gatherers		8		Unclassified by EI	Unclassified by EI	68440
48	Nais pardalis	Nais			pardalis			Gatherers		8		Sprawler	Unclassified by EI	68954
51	Nais sp.	Nais			sp.			Gatherers		8		Unclassified by EI	Unclassified by EI	68946
50	Nais variabilis	Nais			variabilis			Gatherers		10		Unclassified by EI	Unclassified by EI	68959
55	Pristina leidyi	Pristina			leidyi			Gatherers		8		Unclassified by EI	Unclassified by EI	68894
59	Pristina osborni	Pristinella			osborni			Gatherers		10		Unclassified by EI	Unclassified by EI	69026
60	Pristina sp.	Pristina/Pristinella			sp.			Gatherers		10		Unclassified by EI	Unclassified by EI	69024
2695	Rhyacodrilus sp.	Rhyacodrilus			sp.			Gatherers		-99		Unclassified by EI	Unclassified by EI	68839
1347	Tubificidae w/ cap setae						w/ cap setae	Gatherers		10		Unclassified by EI	Unclassified by EI	68585
1348	Tubificidae w/o cap setae						w/o cap setae	Gatherers		10		Unclassified by EI	Unclassified by EI	68585
121	Ostracoda							Gatherers	Delorme 2001	8		Sprawler	Facultative Multivoltine	84195
3554	Nereididae							Unclassified by EI		-99		Unclassified by EI		65870
3236	Polychaeta							Gatherers		-98		Unclassified by EI	Unclassified by EI	64358
1383	Actinobdella sp.	Actinobdella			sp.			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	69384
70	Glossiphoniidae							Predators		8		Unclassified by EI	Unclassified by EI	69357
73	Helobdella elongata	Helobdella			elongata			Predators		7		Unclassified by EI	Unclassified by EI	69397
74	Helobdella stagnalis	Helobdella			stagnalis			Predators		7		Unclassified by EI	Univoltine	69398
3229	Oribatei						Oribatei	Predators		-99		Unclassified by EI	Unclassified by EI	83544
3931	Balanomorpha							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	89589
3924	Sessilia							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	621154
3951	Hargeria rapax	Hargeria			rapax			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	92068
3937	Leptocheliidae							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	91554
597	Oecetis sp.	Oecetis			sp.			Predators		8		Clinger	Facultative Multivoltine	116607
579	Orthotrichia sp.	Orthotrichia			sp.			Piercer-Herbivore		6		Clinger	Unclassified by EI	115828
3080	Arrenurus sp.	Arrenurus			sp.			Predators		-99		Unclassified by EI	Unclassified by EI	82862
3096	Hydrachna sp.	Hydrachna			sp.			Predators		-99		Unclassified by EI	Unclassified by EI	83123
3132	Limnesia sp.	Limnesia			sp.			Predators		-99		Unclassified by EI	Unclassified by EI	83051
3143	Mideopsis sp.	Mideopsis			sp.			Predators		-98		Unclassified by EI	Unclassified by EI	83479
3225	Neumania sp.	Neumania			sp.			Predators	McCafferty&Waltz,1995	-98		Unclassified by EI	Unclassified by EI	83103
3002	Sperchon sp.	Sperchon			sp.			Predators		-99		Unclassified by EI	Unclassified by EI	83006
3126	Unionicola sp.	Unionicola			sp.			Predators		-99		Unclassified by EI	Unclassified by EI	83073
2	Turbellaria							Predators		4		Sprawler	Facultative Multivoltine	53964
3947	Anodonta imbecillis	Anodonta			imbecillis			Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	79940
105	Unionidae							Filterers		6		Unclassified by EI	Long-lived	79913
1173	Dreissena polymorpha	Dreissena			polymorpha			Filterers		-99		Unclassified by EI	Long-lived	81339
2982	Eupera cubensis	Eupera			cubensis			Filterers		-98		Unclassified by EI	Long-lived	81438
3329	Musculium transversum	Musculium			transversum			Unclassified by EI		-99		Unclassified by EI		81428
101	Sphaeriidae							Filterers		6		Burrower	Long-lived	112737
3930	Ophiuroidea							Unclassified by EI		-99		Unclassified by EI	Unclassified by EI	157325

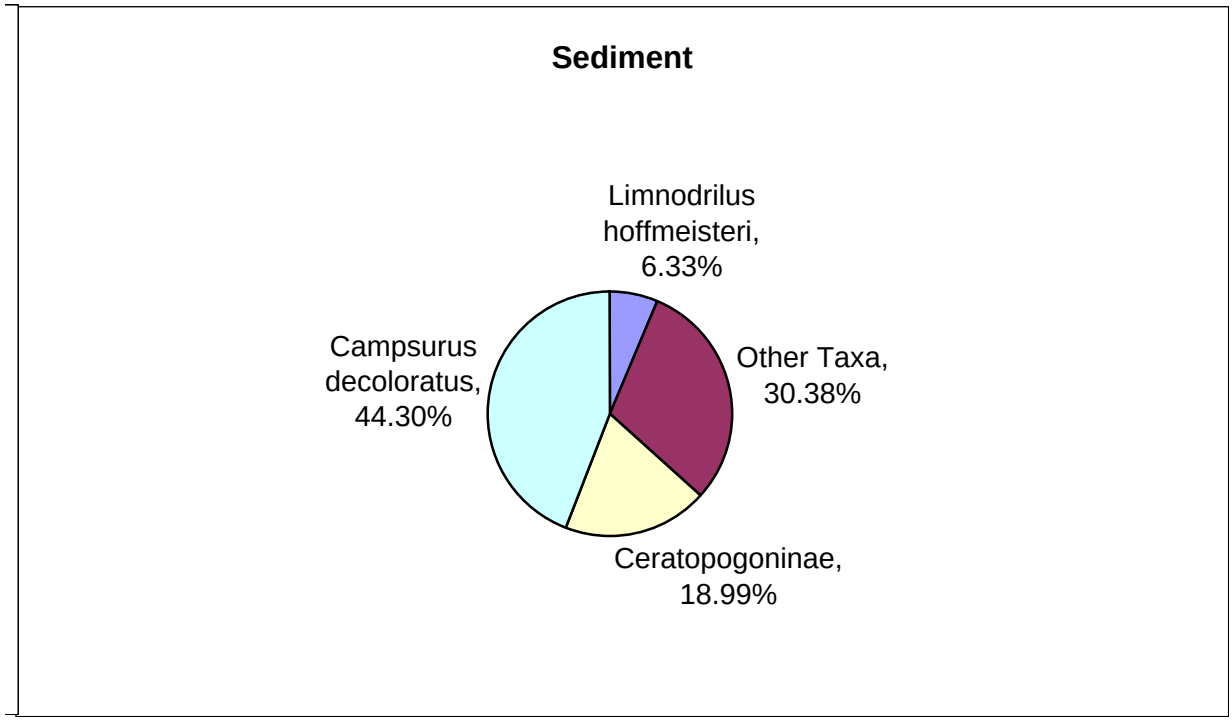
Top Three Taxa, Terrebonne Basin, C-1



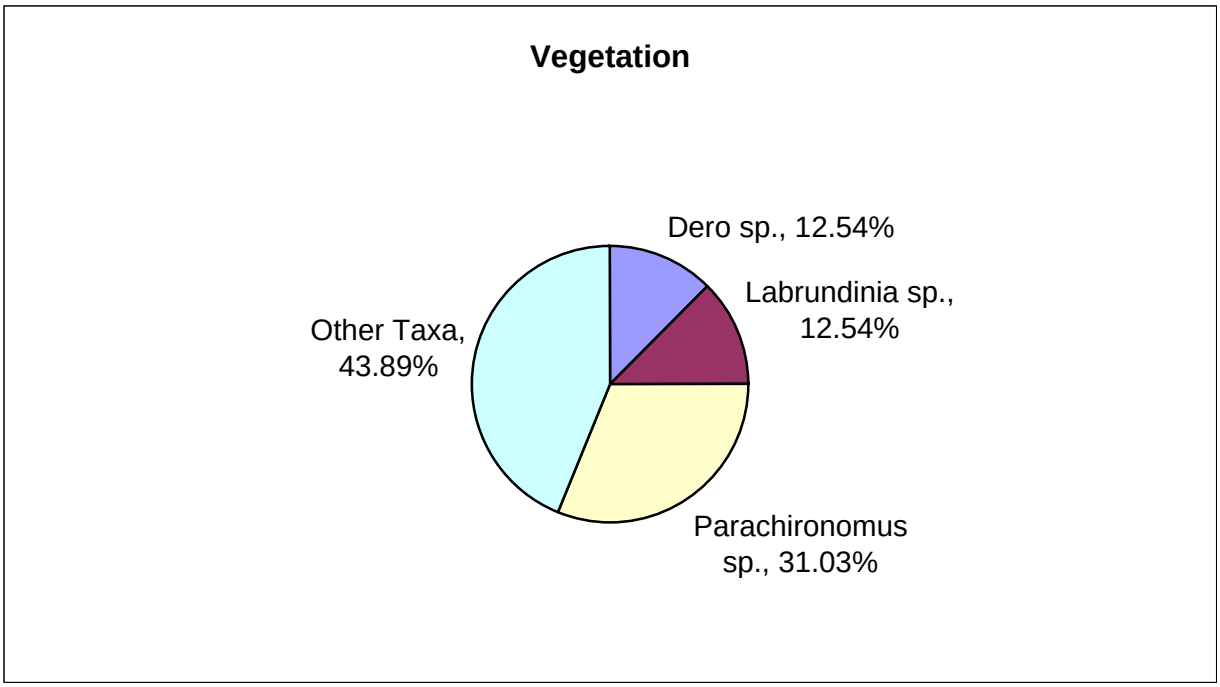


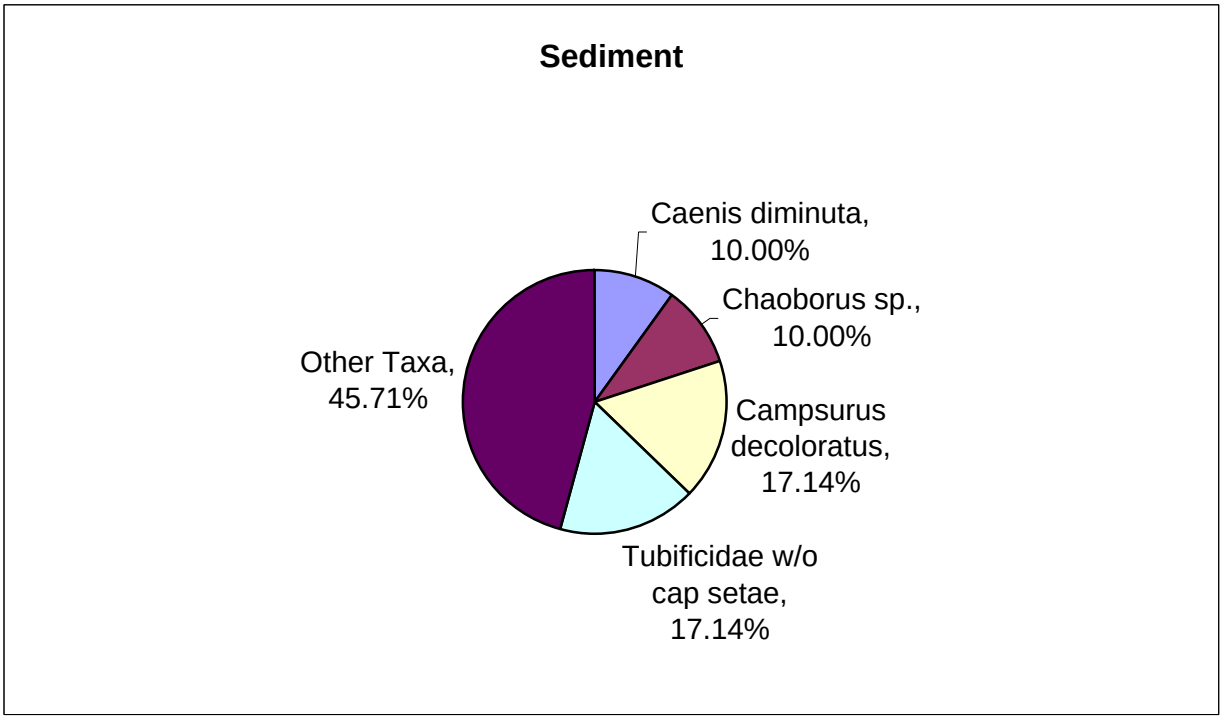
Top Three Taxa, Terrebonne Basin, C-2



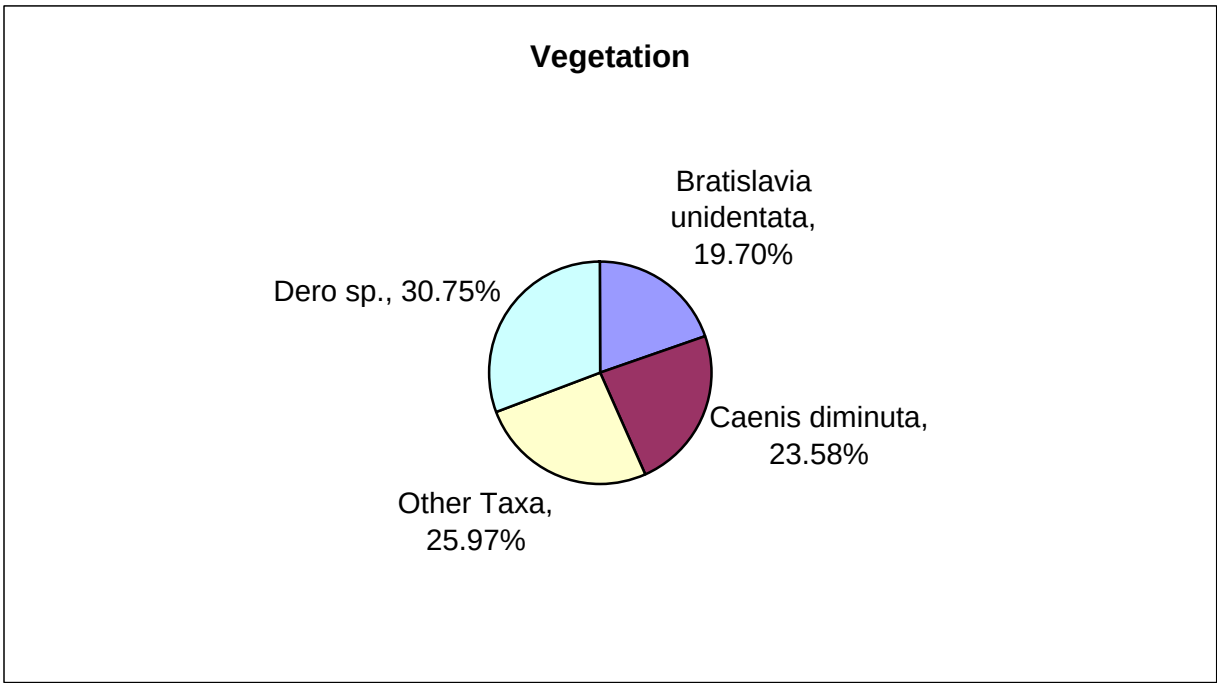


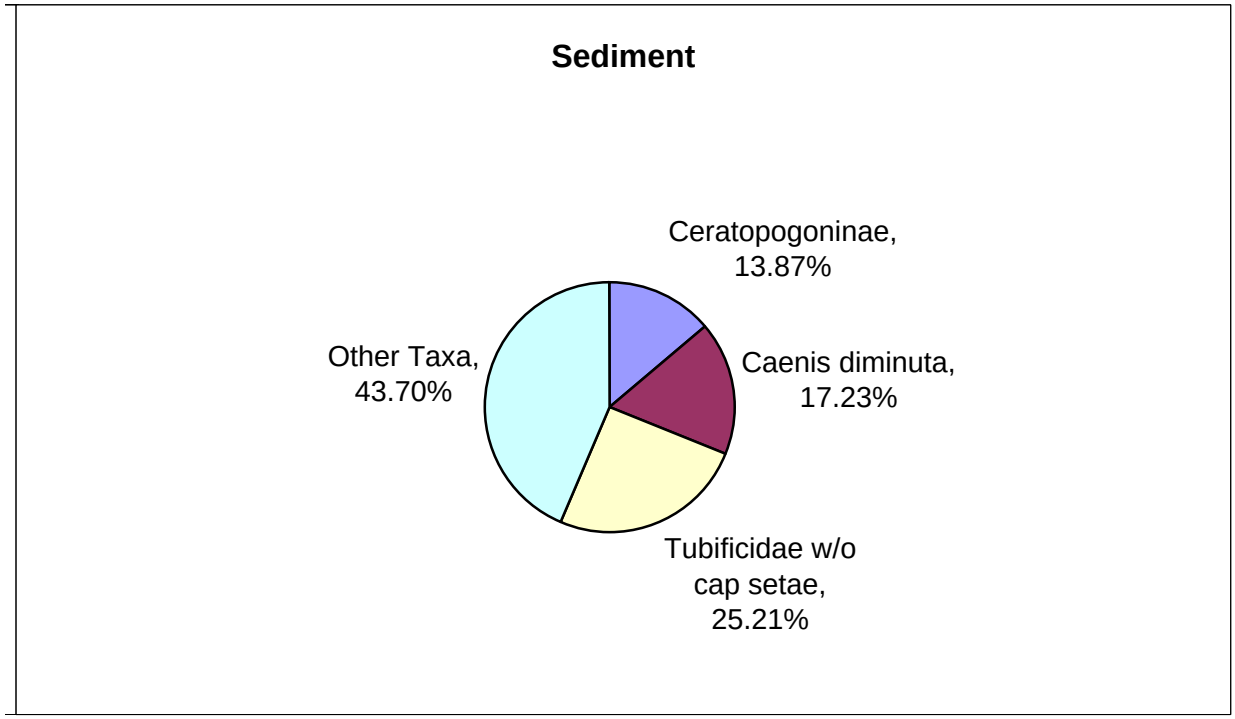
Top Three Taxa, Terrebonne Basin, C-3



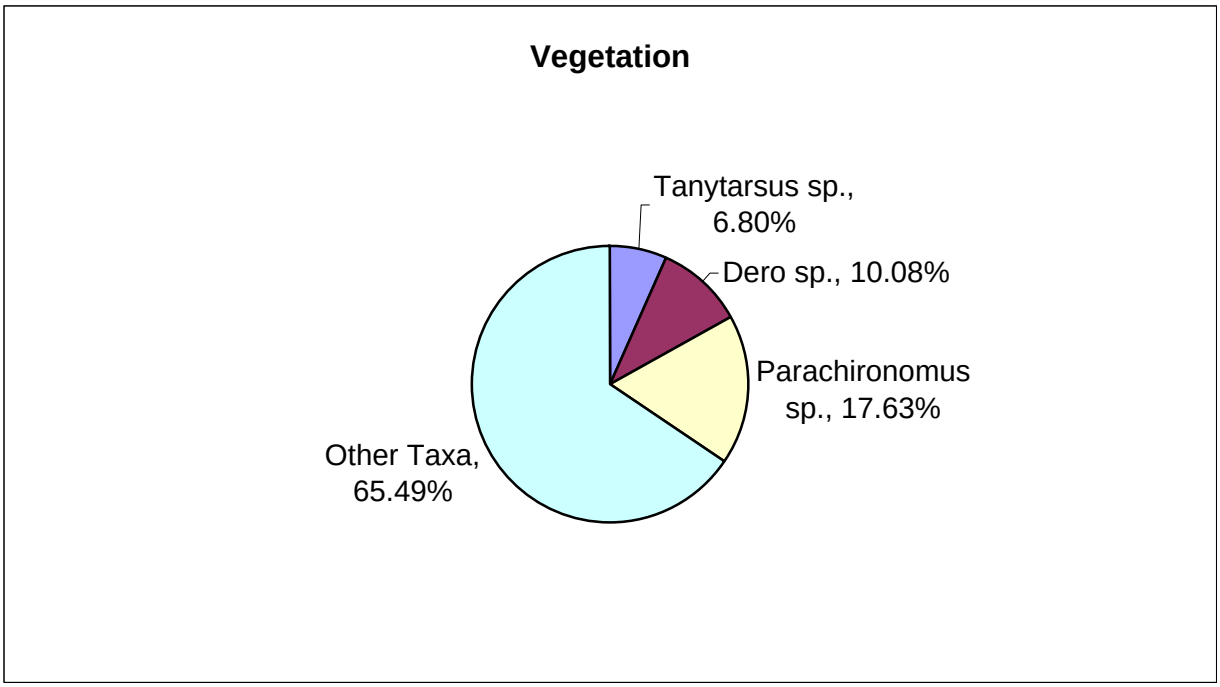


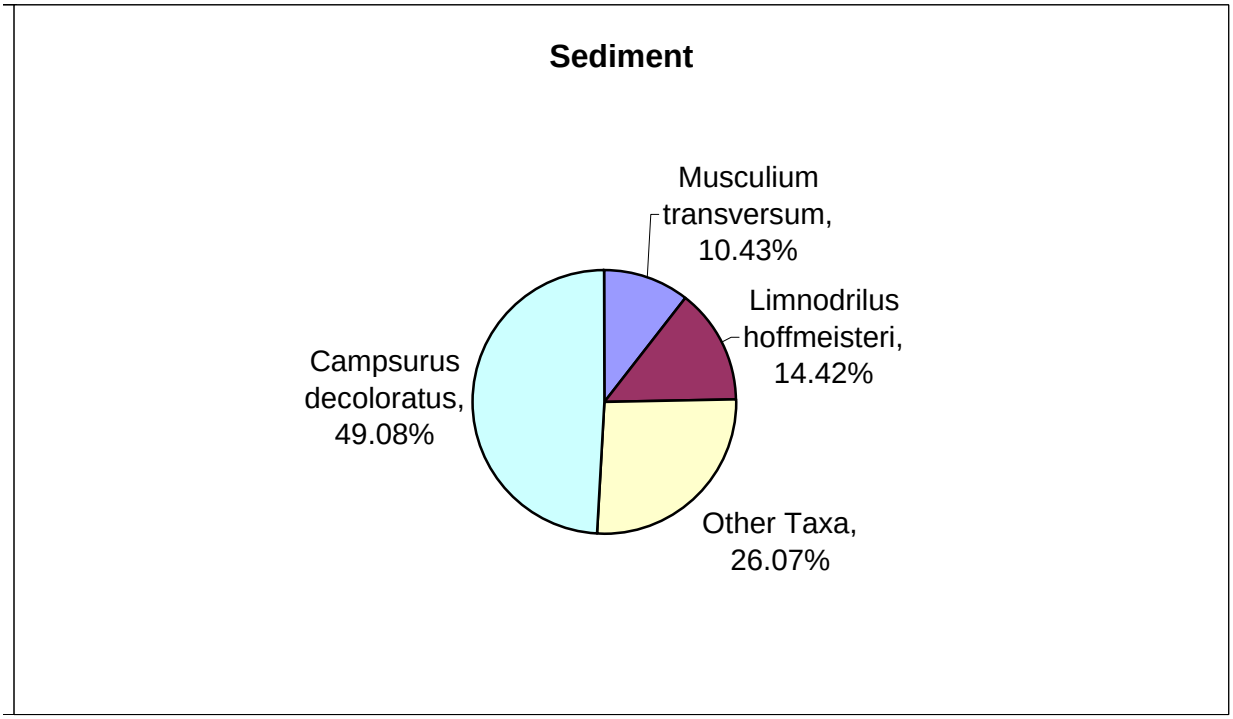
Top Three Taxa, Terrebonne Basin, C-4



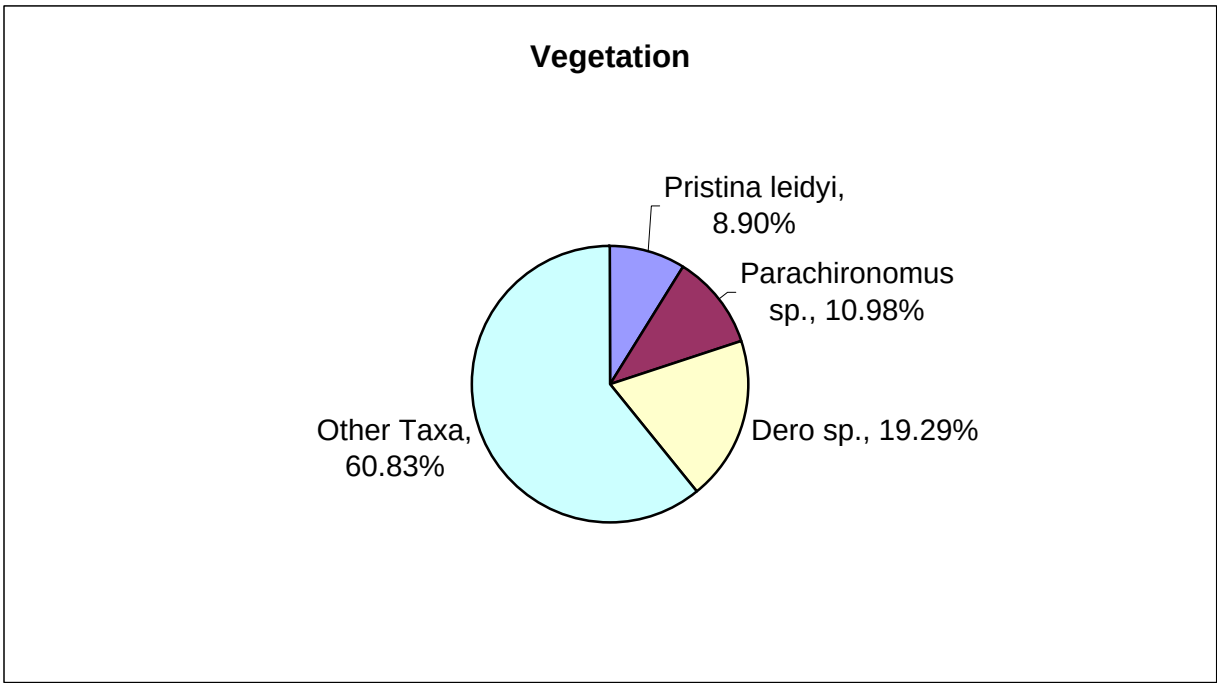


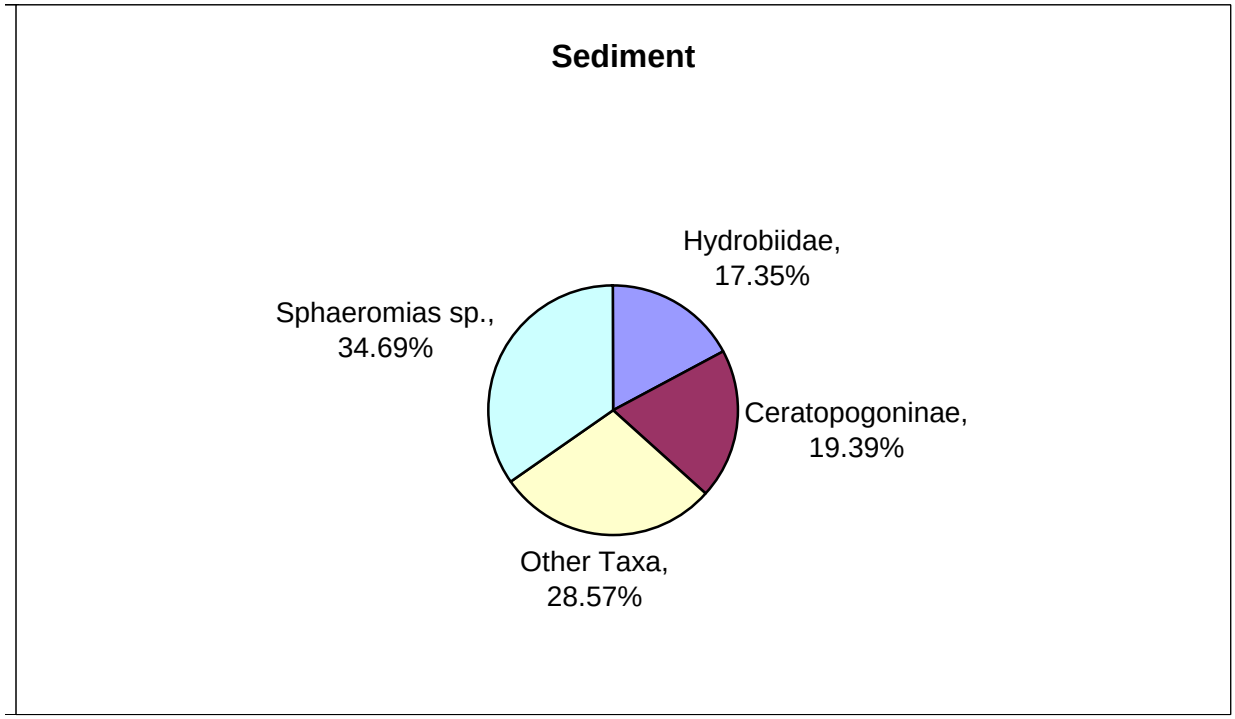
Top Three Taxa, Terrebonne Basin, C-5



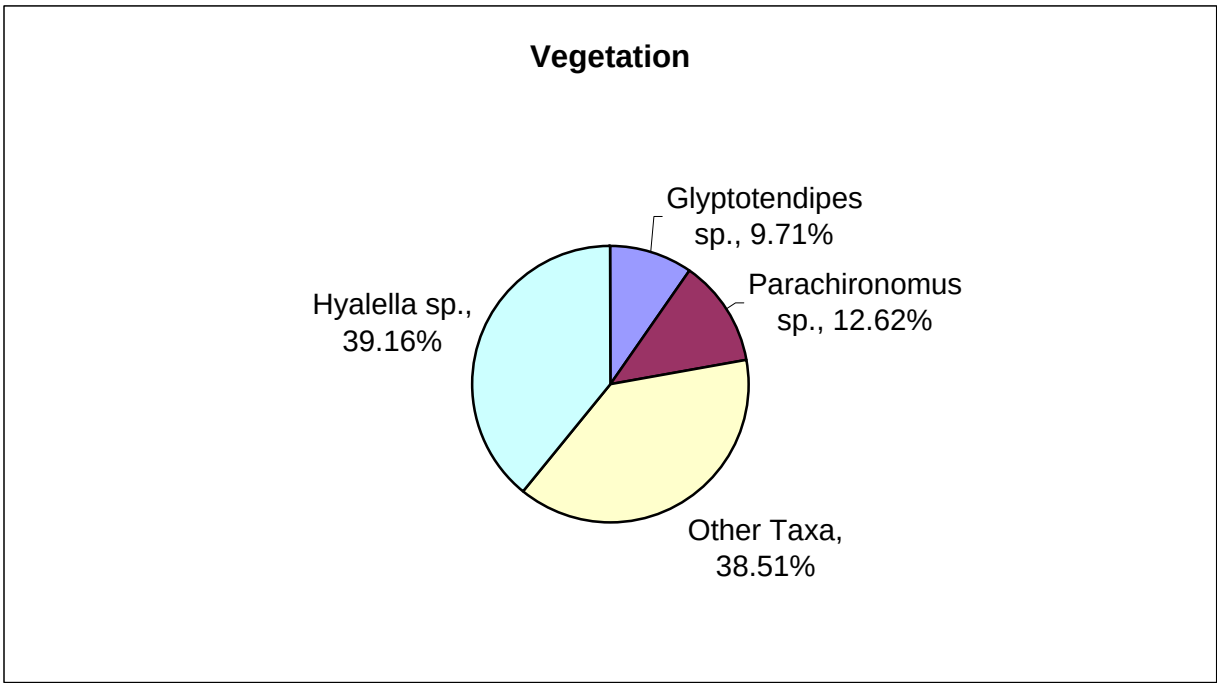


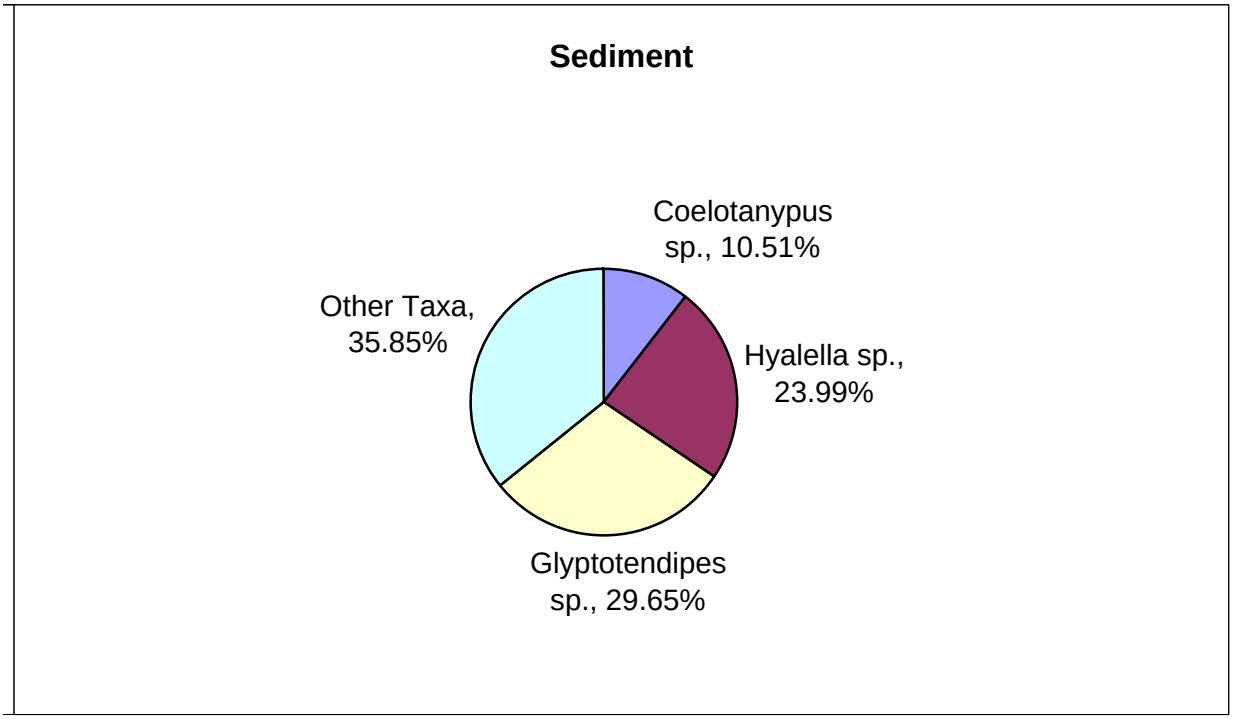
Top Three Taxa, Terrebonne Basin, C-6



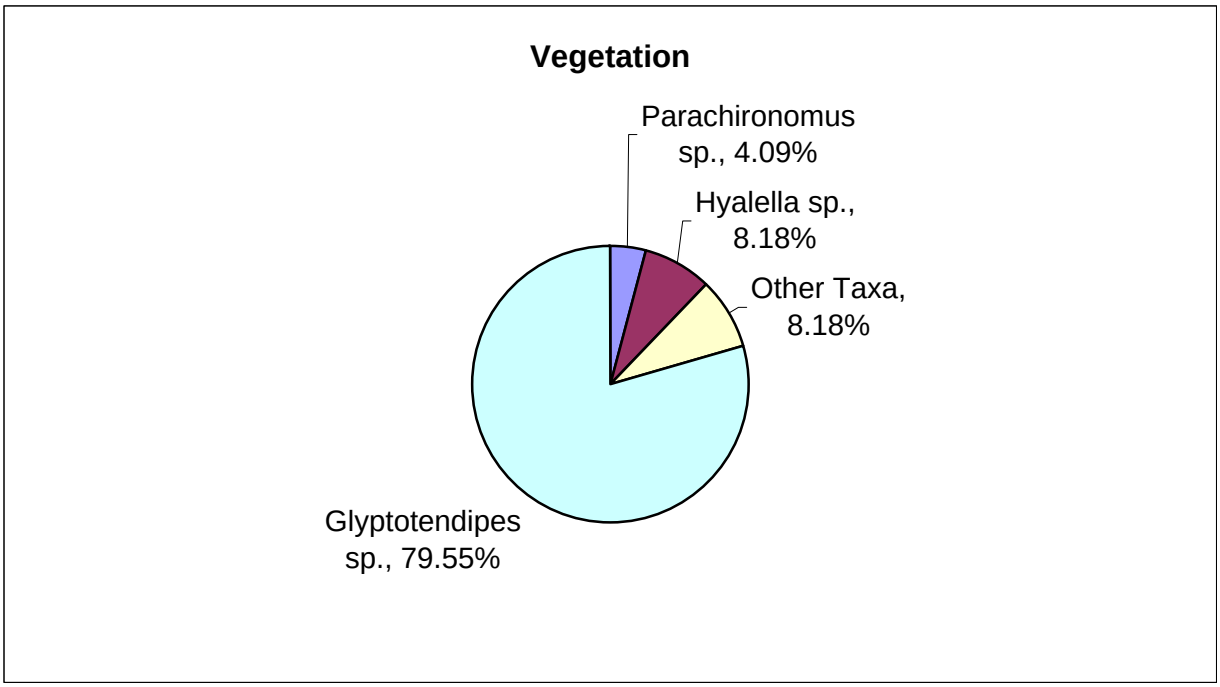


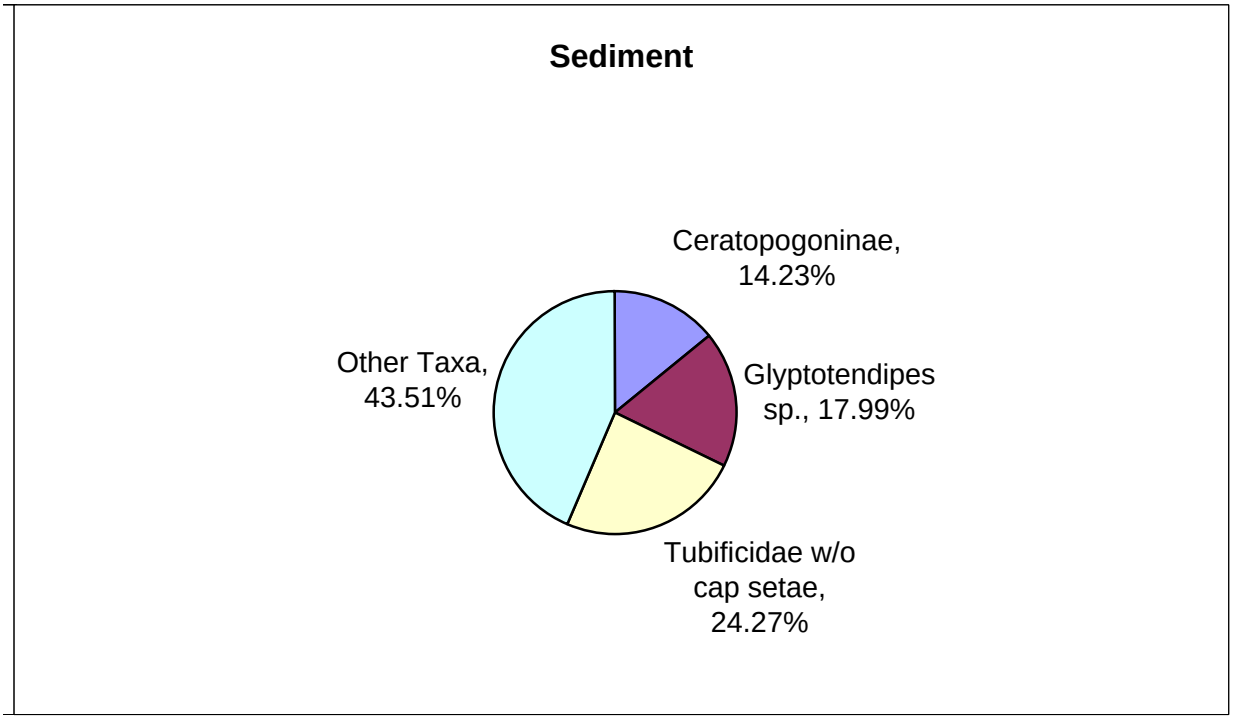
Top Three Taxa, Terrebonne Basin, C-7



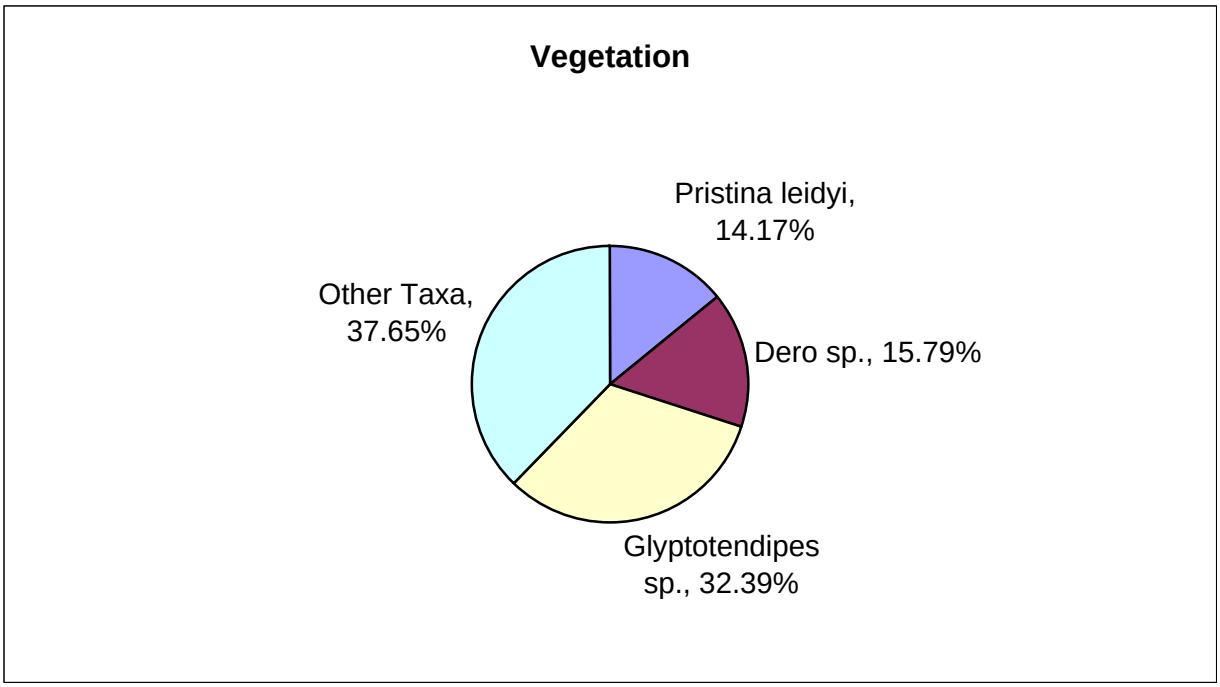


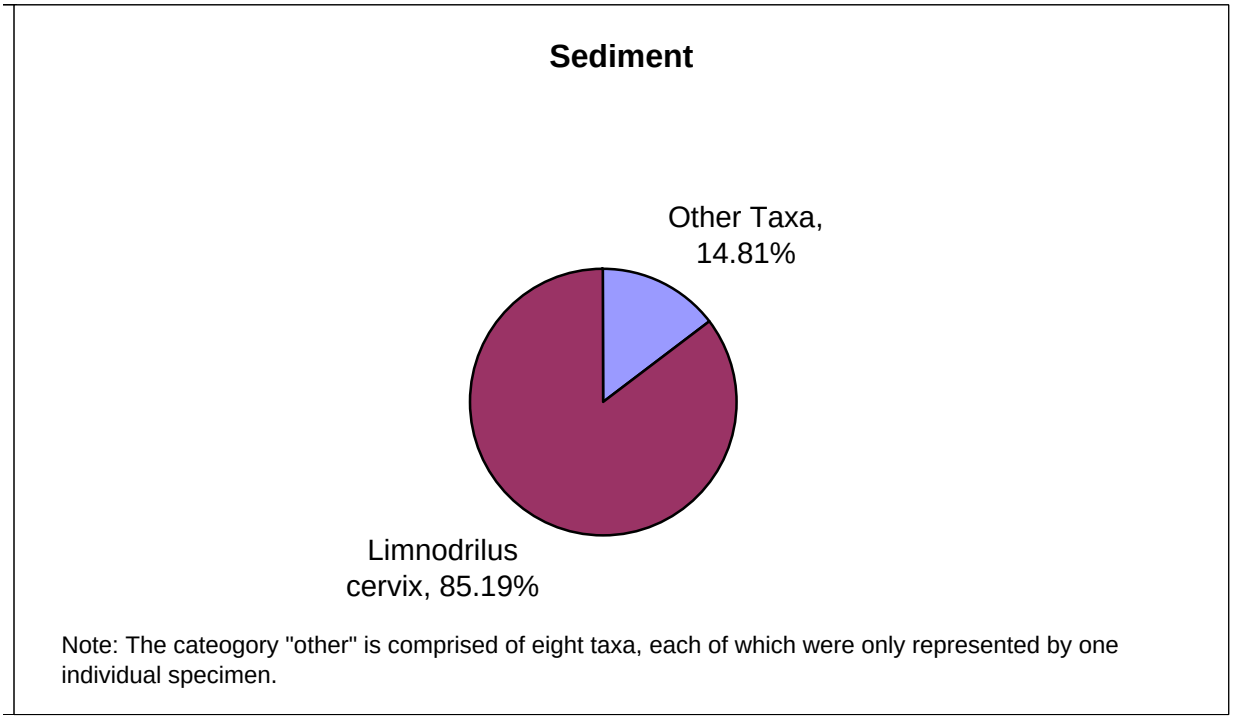
Top Three Taxa, Terrebonne Basin, C-8





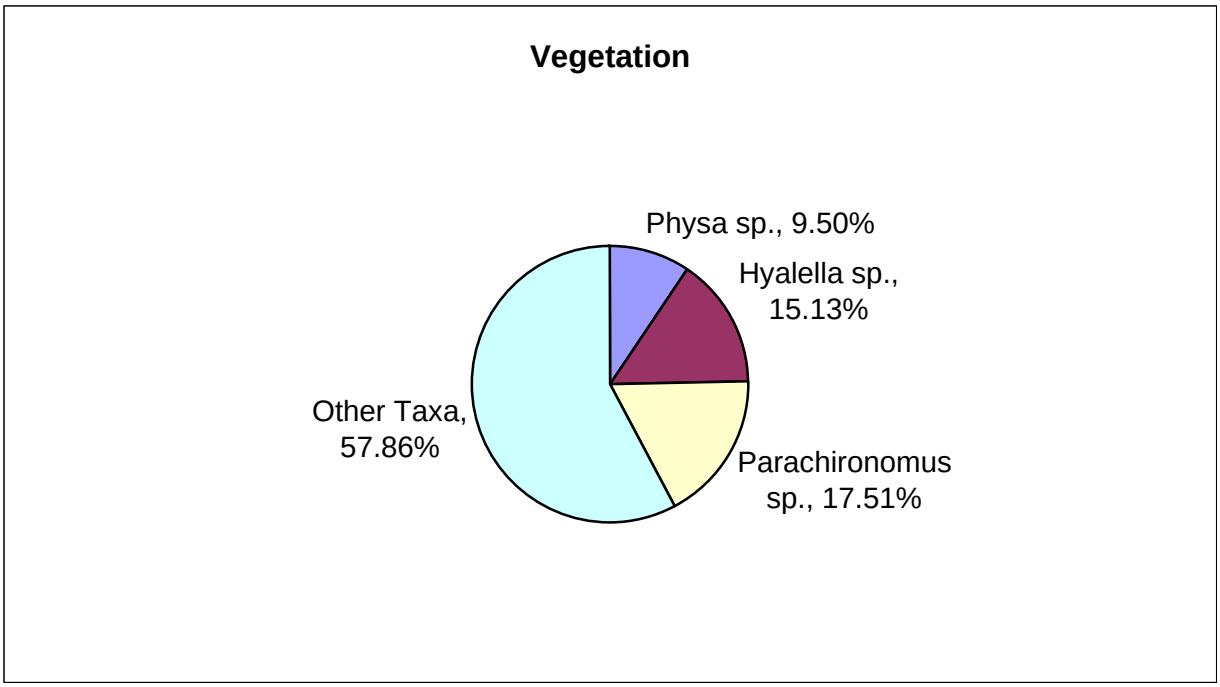
Top Three Taxa, Terrebonne Basin, C-9

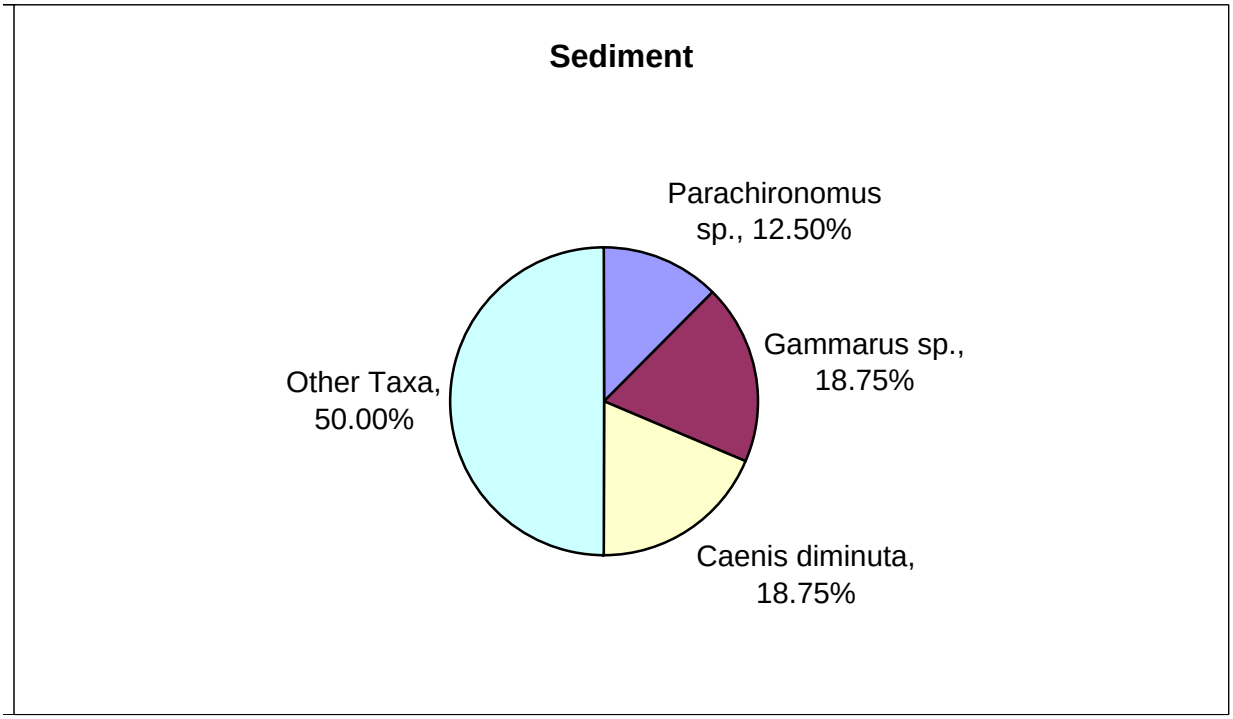




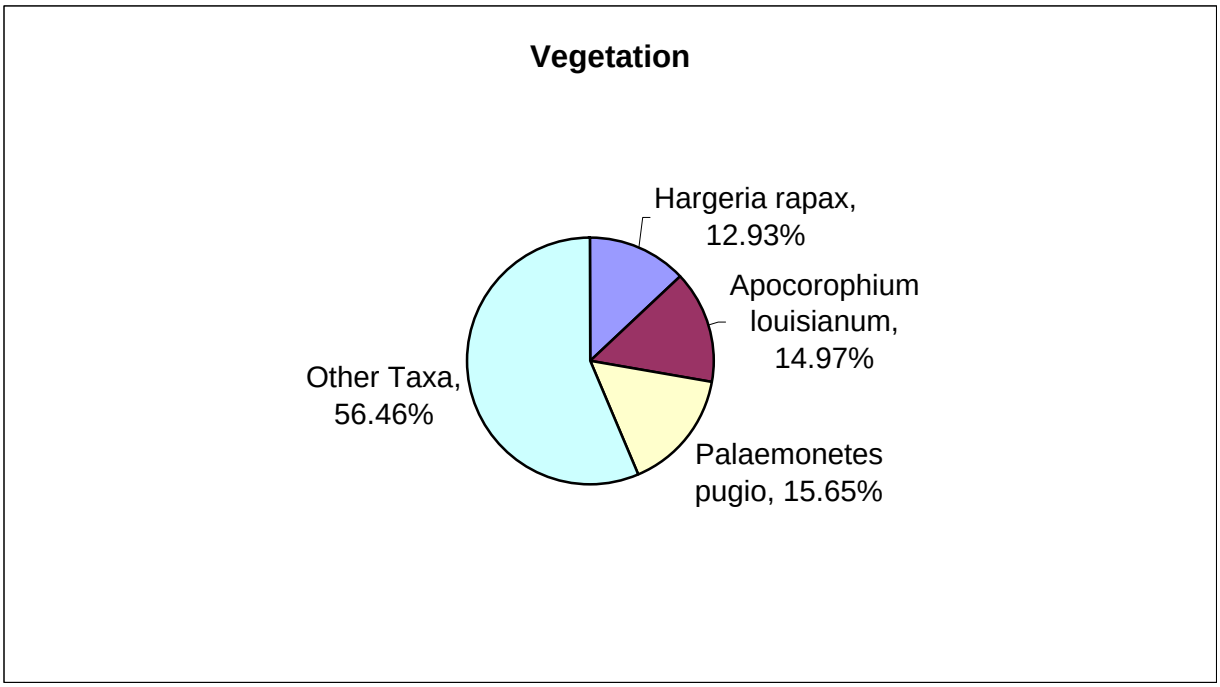
Note: The cateogory "other" is comprised of eight taxa, each of which were only represented by one individual specimen.

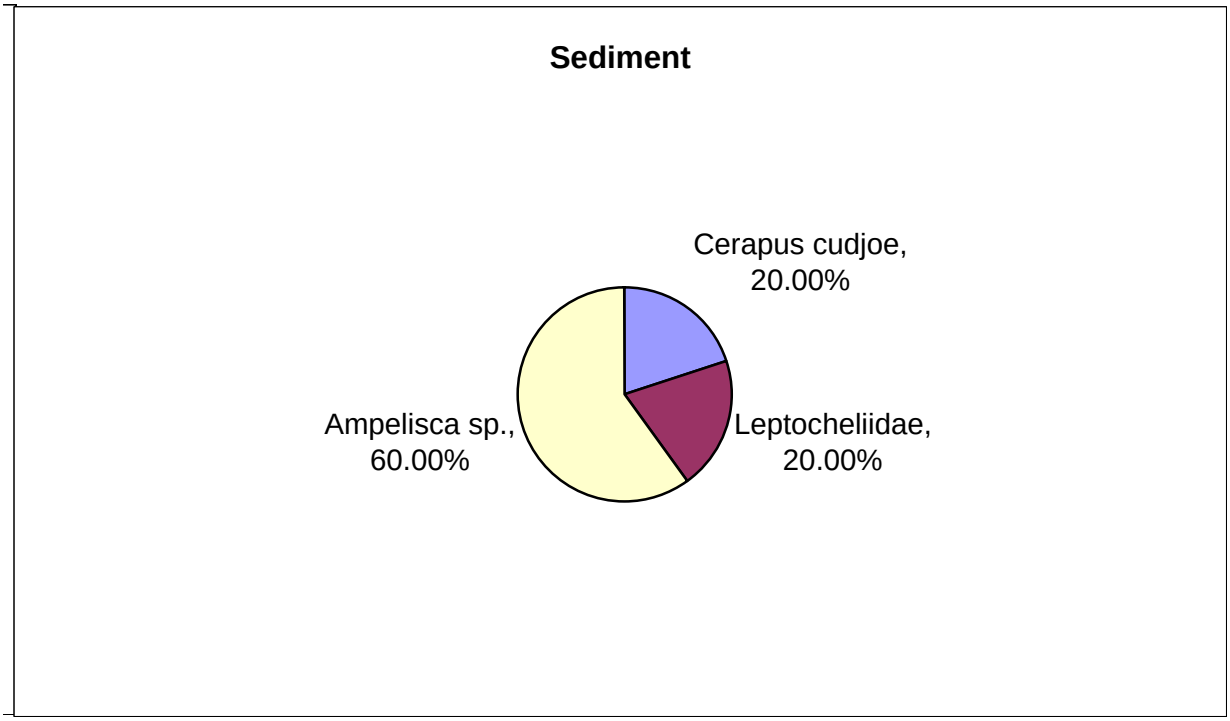
Top Three Taxa, Terrebonne Basin, C-10



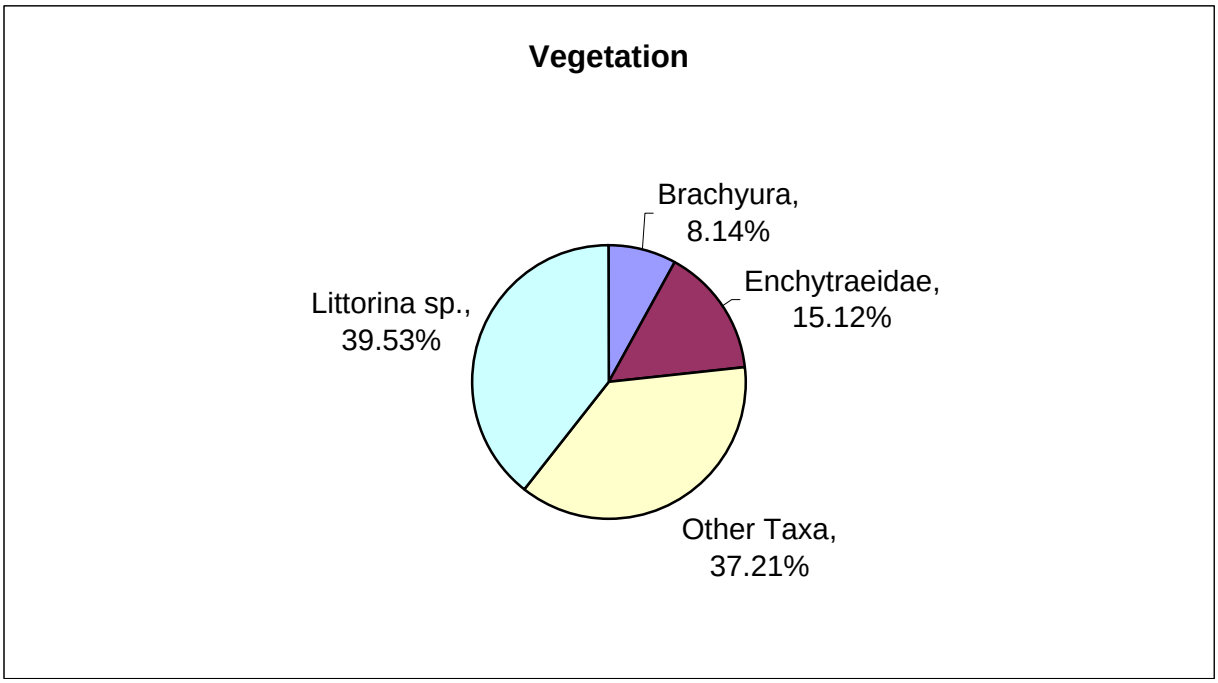


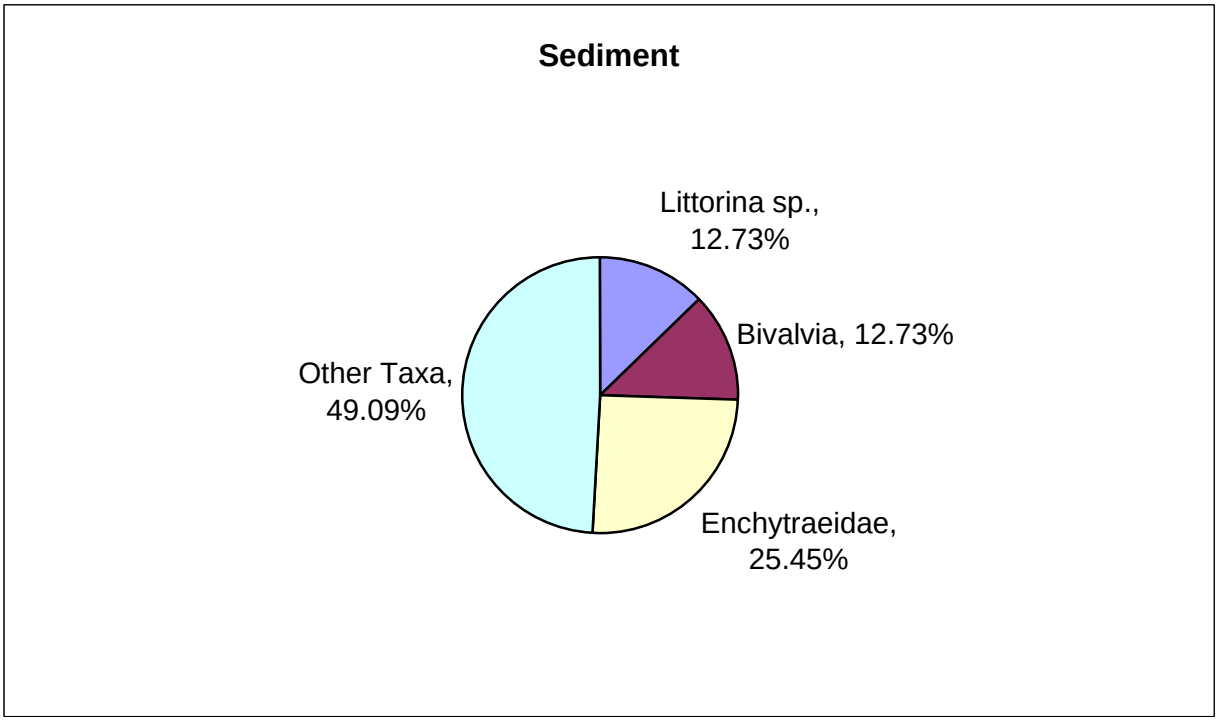
Top Three Taxa, Terrebonne Basin, C-11



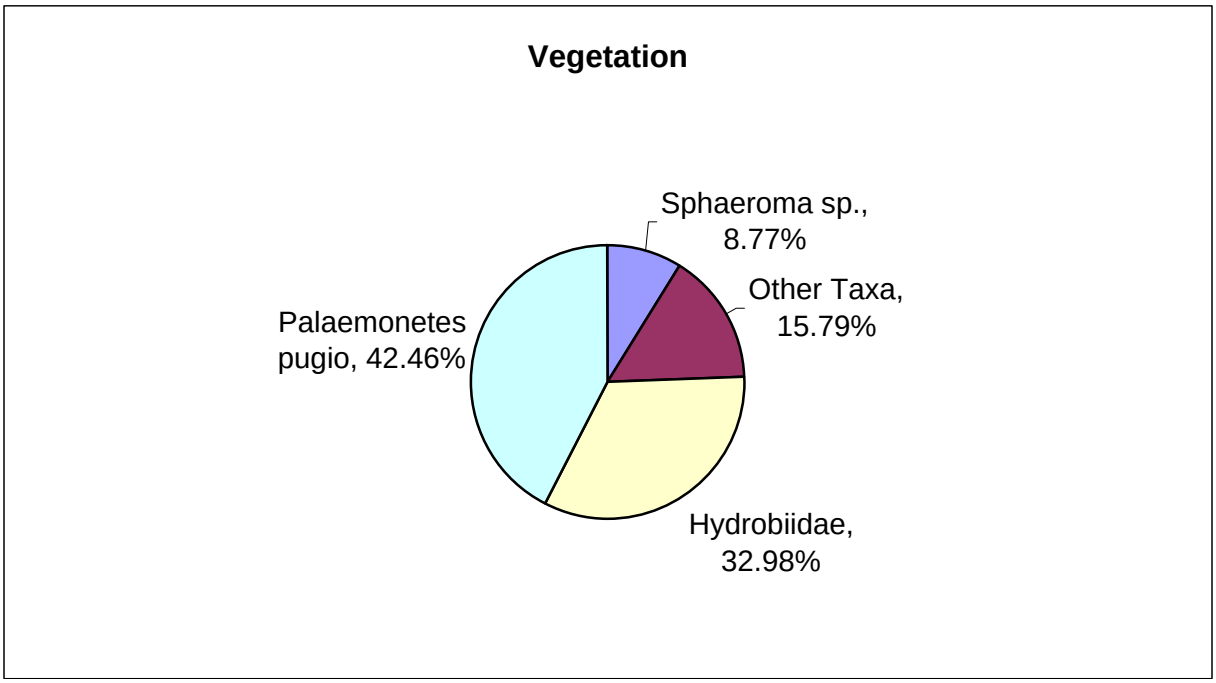


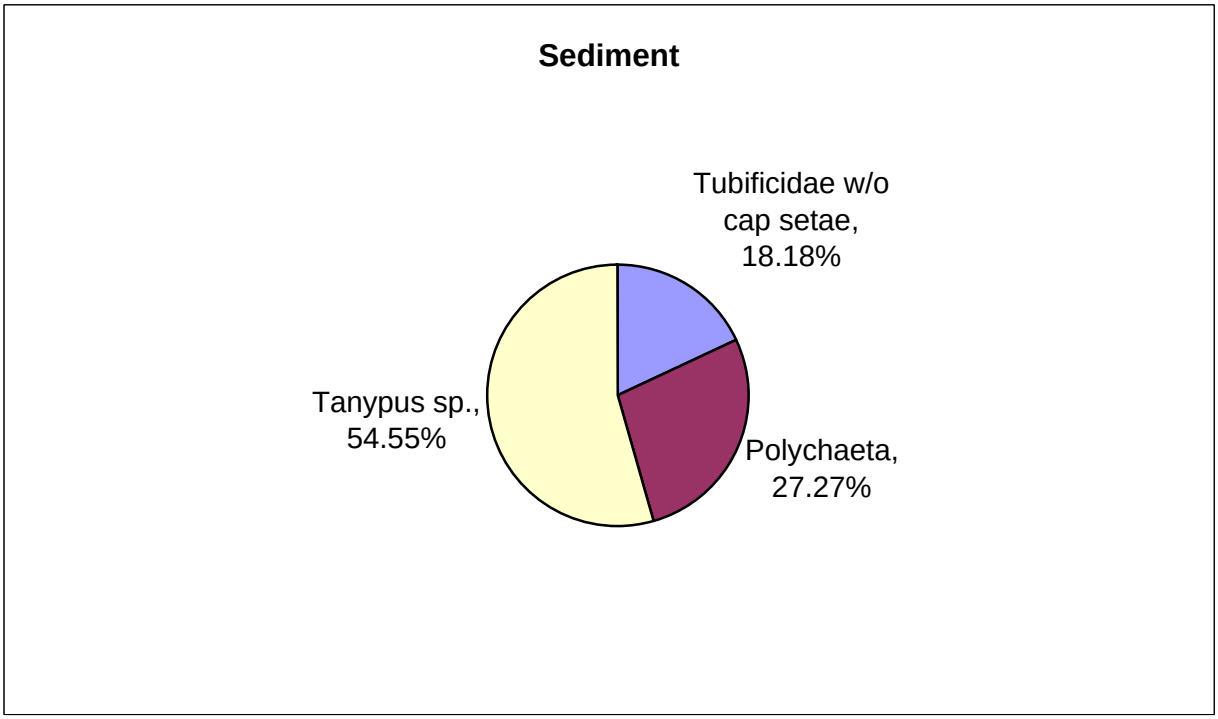
Top Three Taxa, Terrebonne Basin, C-12



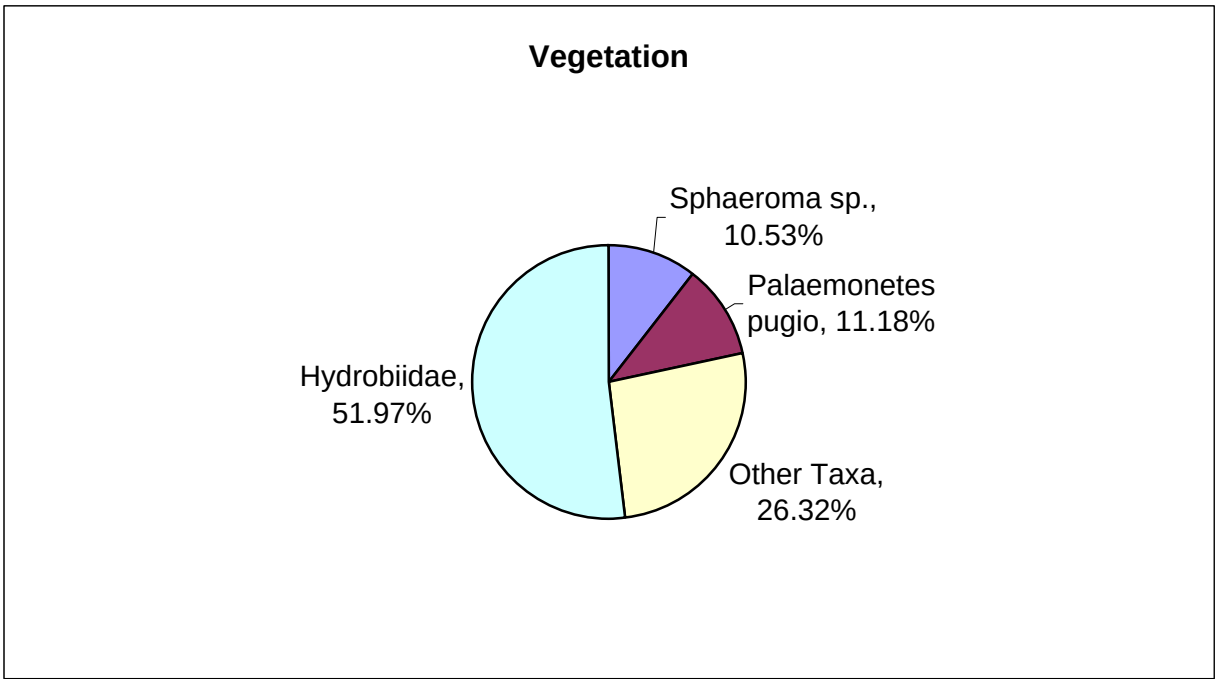


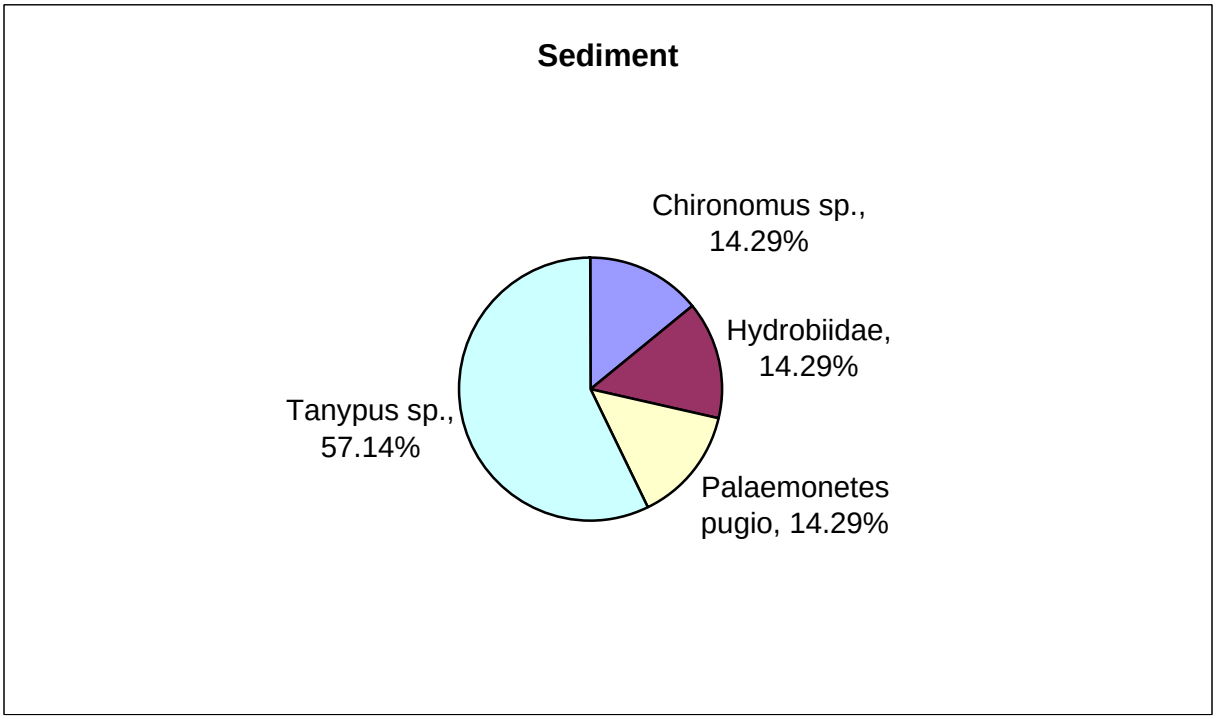
Top Three Taxa, Terrebonne Basin, C-13



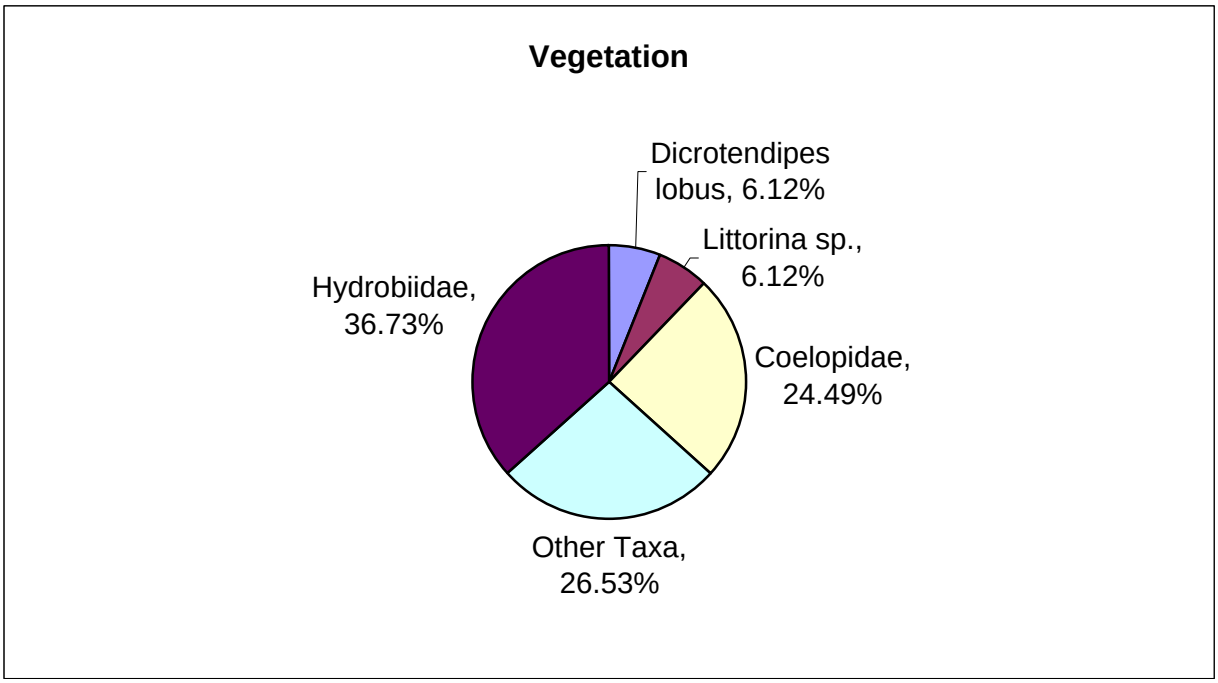


Top Three Taxa, Terrebonne Basin, C-14





Top Three Taxa, Terrebonne Basin, C-15



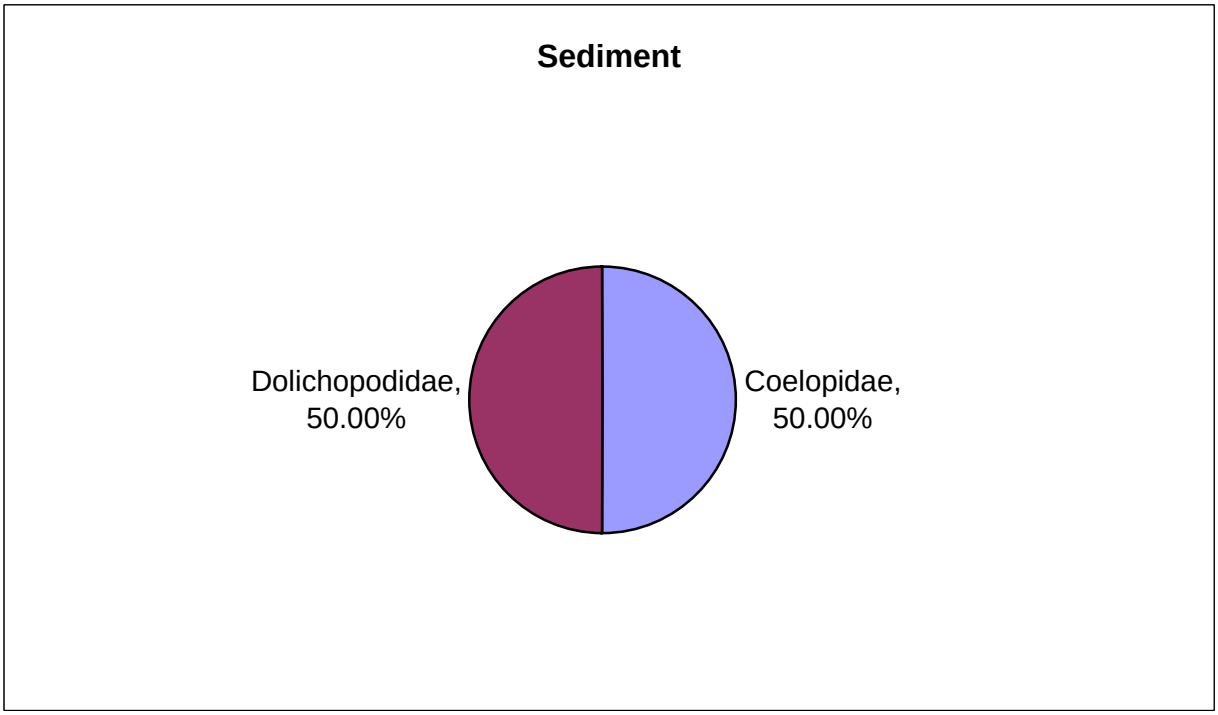


Table X. Equation for Calculating Shannon-Wiener Diversity-bits.

$$H' = \sum_{i=1}^{s} (Pi)(\log 2Pi)$$

H'	Information content of sample/index of species diversity	bits/individual
s	number of species	
Pi	Proportion of total sample belonging to *i* th species	

Charles J. Krebs. 1989. Species Diversity measures. In: Ecological Methodology. Harper & Row, Publishers, New York. pp. 361.