02207417 TRIBUTARY TO BIG HAYNES CREEK (HIGHTOWER ROAD) NEAR CONYERS, GA

Altamaha River Basin

LOCATION.--Lat 33°43′27″, long 83°56′45″ referenced to North American Datum of 1983, Rockdale County, Hydrologic Unit 03070103.

DRAINAGE AREA.--1.99 mi^2.

ECOLOGICAL RECORDS

COOPERATION.--Rockdale County Department of Water Resources

PERIOD OF RECORD.--Invertebrates: August 3, 2005.Fishes: November 1, 2005.

REMARKS.--Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 84 meters. Abbreviations: sp.-species, mm- millimeters, g-grams.

Invertebrates

SPECIES	Abundance Multi-habitat	Abundance Visual
MOLLUSCA		
Bivalvia		
Veneroida		
Corbiculidae		
Corbicula fluminea		
Sphaeriidae		
Sphaerium sp.		
Gastropoda		
Basommatophora		
Physidae		
Physella sp.		
ANNELIDA		
Oligochaeta		
Tubificida		
Lumbricidae		
Naididae		
Nais sp.		
Tubificidae w.h.c.		
Tubificidae w.o.h.c.	1	
Limnodrilus hoffmeisteri		
Lumbriculida		
Lumbriculidae	1	
Hirudinea		
ARTHROPODA		
Arachnoidea		
Acariformes		

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SPECIES	Multi-habitat	Visual
Lebertiidae		
Lebertia sp.	1	
Crustacea		
Copepoda		
Isopoda		
Asellidae		
Caecidotea sp.		
Amphipoda		
Talitridae		
Hyalella azteca	5	
Decapoda		
Cambaridae		
Cambarus sp.		
Procambarus sp.	2	
Insecta		
Ephemeroptera		
Baetidae	1	
Baetis sp.		
Baetis c.f. flavistriga		
Baetis intercalaris		
Heterocloeon sp.		
Pseudocloeon sp.		
Ephemeridae		
Hexagenia sp.		
Ephemerellidae		
Serratella sp.		
Heptageniidae		
Maccaffertium (Stenonema) sp.		1
Maccaffertium (Stenonema) modestum	4	
Isonychiidae		
Isonychia sp.		
Odonata		
Aeshnidae		
Boyeria vinosa		
Calopterygidae	2	
Calopteryx sp.	5	
Hetaerina sp.		
Coenagrionidae		
Argia sp.		
Cordulegastridae		
Cordulegaster sp.	1	
Corduliidae		
Macromia sp.		
Gomphidae	1	
Gomphus sp.		
Hagenius brevistylus		
Progomphus obscurus		
	Abundance	

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SPECIES	Multi-habitat	Visual
Plecoptera		
Leuctridae		
Leuctra sp.	2	
Peltoperlidae		
Tallaperla sp.		
Perlidae		
Acroneuria abnormis		
Eccoptura xanthenes		
Hemiptera		
Gerridae		
Aquarius sp.		1
Trepobates sp.		
Veliidae	3	
Rhagovelia obesa		
Megaloptera		
Corydalidae		
Corydalus cornutus		
Nigronia sp.		
Nigronia serricornis		
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	3	
Diplectrona modesta	1	
Hydropsyche sp.	4	
Hydropsyche betteni gp.		
Lepidostomatidae		
Lepidostoma sp.	1	
Leptoceridae		
Triaenodes sp.		
Philopotamidae		
Chimarra aterrima	8	
Chimarra obscurus		
Psychomyiidae		
Lype diversa	1	
Rhyacophilidae		
Rhyacophila fuscula		
Coleoptera		
Curculionidae		
Dytiscidae	1	
Elmidae		
Ancyronyx variegata		
Macronychus glabratus	1	
Microcylloepus pusillus		
Optioservus sp.		
Stenelmis sp.	1	
Gyrinidae		
Dineutus sp.	4	2
	Abundance	

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SPECIES	Multi-habitat	Visual
Hydrophilidae		
Hydroscaphidae	1	
Diptera		
Ceratopogonidae		
Atrichopogon sp.		
Bezzia/Palpomyia gp.		
Chironomidae		
Ablabesmyia mallochi	5	
Ablabesmyia rhamphe gp.		
Brillia flavifrons	1	
Chironomus sp.		
Conchapelopia sp.	12	
Corynoneura sp.		
Cricotopus sp.		
Cryptotendipes sp.		
Dicrotendipes neomodestus		
Larsia sp.	3	
Labrundinia sp.		
Microtendipes pedellus gp.		
Nanocladius distinctus		
Orthocladius lignicola		
Paralauterborniella nigrohalteralis	1	
Parametriocnemus sp.		
Paratendipes sp.		
Phaenopsectra sp.	3	
Polypedilum fallax	1	
Polypedilum flavum (convictum)	1	
Polypedilum halterale	1	
Polypedilum illinoense	25	2
Robackia demeijerei	1	
Rheocricotopus robacki	1	1
Rheotanytarsus sp.	5	
Smittia sp.		
Stelechomyia perpulchra		
Stenochironomus sp.		
Stictochironomus sp.		
Tanytarsus sp.	30	1
Thienemanniella xena		
Tribelos sp.	5	
Xylotopus par		
Culicidae	2	
Anopheles sp.		
Dixidae		
Dixa sp.		
Dixella sp.	1	
Empididae		
Hemerodromia sp.		
	Abundance	

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SPECIES	Multi-habitat	Visual
Neoplasta sp.		
Psychodidae		
Pericoma sp.		
Simuliidae		
Simulium sp.	5	
Tabanidae		
Chrysops sp.	1	
Tabanus sp.		
Tipulidae		
Hexatoma sp.		

Fishes

Scientific Name	Common Name	Shocking Seconds		Count	TL (mm)	Weight (g)
Nocomis leptocephalus	bluehead chub		533	1	60	4.0
Nocomis leptocephalus	bluehead chub		533	1	75	8.4
Hybopsis rubrifrons	rosyface chub		533	1	42	0.9
Notropis lutipinnis	yellowfin shiner		533	1	30	0.4
Notropis lutipinnis	yellowfin shiner		533	1	32	0.5
Notropis lutipinnis	yellowfin shiner		533	1	34	0.8
Notropis lutipinnis	yellowfin shiner		533	1	35	0.8
Notropis lutipinnis	yellowfin shiner		533	1	36	0.7
Notropis lutipinnis	yellowfin shiner		533	1	37	0.9
Notropis lutipinnis	yellowfin shiner		533	1	40	1.1
Notropis lutipinnis	yellowfin shiner		533	1	42	1.5
Notropis lutipinnis	yellowfin shiner		533	1	45	1.7
Notropis lutipinnis	yellowfin shiner		533	1	48	1.9
Notropis lutipinnis	yellowfin shiner		533	1	49	2.6
Notropis lutipinnis	yellowfin shiner		533	1	54	3.0
Notropis lutipinnis	yellowfin shiner		533	1	55	3.1
Lepomis macrochirus	bluegill		533	1	30	0.9
Lepomis auritus	redbreast sunfish		533	1	55	5.2
Percina nigrofasciata	blackbanded darter		533	1	60	2.5