

PART II. DETAILED FAUNAL LISTS OF THE TANNER'S  
CREEK SECTION.

*Fauna of Section 1.34E. Southgate.*

Climacograptus typicalis (a)	Trematis millepunctata (r)
	Zygospira modesta (r)
Iocrinus subcrassus (r)	
	Bellerophon cf. gorbyi (r)
Cornulites flexuosus (c)	
	Orthoceras sp. (r)
Amplexopora petasiformis (r)	
Aspidopora areolata (r)	Acidaspis sp. (r)
Bythopora parvula (r)	Calymene callicephala (c)
Hallopora onealli (c)	Isotelus maximus (c)
Stigmatella clavis (r)	Proetus spurlocki (r)
Dalmanella multisecta (r)	Bythocypris cylindrica (a)
Lingula modesta (c)	Leperditia caecigena (c)
Leptobolis lepis (r)	Primitia centralis (c)
Plectambonites sericeus (r)	
Rafinesquina alternata (r)	Lepidocoleus jamesi (r)

*Fauna of Cut 1, Upper Part. Lower McMicken.*

Cornulites sp. (a)	Hallopora onealli communis (c)
	onealli sigillarioides (a)
Amplexopora septosa (a)	nodulosa (c)
septosa minima (c)	subplana (c)
septosa maculosa (c)	Heterotrypa ulrichi (aaa)
septosa multispinosa (a)	Peronopora vera (a)
petasiformis (r)	Proboscina frondosa (c)
Arthropora shafferi (c)	Stigmatella clavis (c)
Arthrostylus tenuis (r)	Stomatopora arachnoidea (a)
Batostoma implicatum (aa)	
jamesi (aa)	Dalmanella multisecta (a)
Bythopora arcipora (c)	Rafinesquina alternata (r)
Ceramoporella distincta (a)	Zygospira cincinnatiensis (r)
ohioensis (c)	modesta (r)
triloba (r)	
granulosa milfordensis (r)	Acidaspis sp. (c)
Coeloclema alternatum (aaa)	Isotelus maximus (r)
commune (aaa)	
Dekayia maculata (r)	Ceratopsis chambersi (r)
obscura (c)	
Hallopora dalei (c)	Crinoid segments (c)
onealli (aa)	

*Fauna of Cut 2, 0-26 Feet Above Railroad. Middle McMicken.*

Cornulites flexuosus (r)	Homotrypa glabra (r)
	Peronopora vera (a)
Arthropora cleavelandi (c)	Petigopora asperula (r)
shafferi (c)	Stomatopora arachnoidea (c)
Bythopora arctipora (c)	
parvula (rr)	Dalmanella multisecta (c)
Ceramoporella distincta (r)	Rafinesquina alternata (c)
Coeloclema alternatum (c)	Zygospira modesta (c)
commune (r)	
Dekayia maculata (r)	Pterinea demissa (r)
obscura (r)	
Hallopora dalei (a)	Acidaspis sp. (r)
nodulosa (c)	Isotelus maximus (c)
onealli communis (c)	Trinucleus concentricus (r)
onealli sigillarioides (c)	
Heterotrypa ulrichi (a)	Ctenobolbina ciliata (c)

*Fauna of Cut 2, 26-62 Feet Above Railroad. Upper McMicken.*

Cornulites flexuosus (r)	Hallopora onealli sigillarioides (a)
	Heterotrypa ulrichi (c)
	ulrichi robusta (r)
Amplexopora septosa (a)	Peronopora vera (c)
septosa maculosa (r)	
Arthropora shafferi (c)	Rafinesquina alternata (c)
Batostoma implicatum (c)	
Bythopora arctipora (a)	Acidaspis sp. (c)
Escharopora pavonia (r)	Isotelus maximus (r)
Hallopora dalei (a)	
nodulosa (r)	

*Fauna of Cut 2, Upper 40 Feet. Mt. Hope-Fairmount.*

Amplexopora septosa (a)	subpulchella (r)
septosa minima (c)	ulrichi (r)
Arthropora shafferi (c)	ulrichi lobata (a)
Batostoma implicatum (r)	Homotrypa alta (a)
Bythopora arctipora (a)	cincinnatiensis (c)
Ceramoporella distincta (c)	curvata praecipua (c)
Constellaria constellata (r)	dumosa (r)
Dekayia aspera (c)	spinea (c)
cf. aspera (c)	Peronopora vera (aa)
Hallopora andrewsi (a)	Petigopora asperula (r)
dalei (aa)	Proboscina frondosa (r)
nodulosa (a)	Stigmatella clavis (r)
ramosa (a)	Stomatopora arachnoidea (c)
Escharopora faleiformis (c)	
Heterotrypa frondosa (a)	Dalmanella multisecta (r)
solitaria (r)	Platystrophia laticosta (c)
subfrondosa (a)	

Plectorthis plicatella (r)	Cyclonema bilix (c)
Rafinesquina alternata (a)	
Strophomena planoconvexa (r)	Isotelus maximus (r)
Zygospira modesta (c)	

*Fauna of Cut 2, Upper 10 Feet, Fairmount.*

Amplexopora ampla (r)	Petigopora asperula (r)
septosa (c)	Stomatopora arachnoidea (r)
Constellaria constellata (a)	
Dekayia appressa (c)	Cornulites flexuosus (c)
aspera (c)	
Escharopora falciformis (r)	Dalmanella multisecta (r)
Hallopora dalei (a)	Hebertella sinuata (r)
nodulosa (r)	Platystrophia costata (c)
Heterotrypa frondosa (a)	Plectorthis plicatella (c)
subpulchella (r)	Rafinesquina alternata (c)
ulrichi (c)	Strophomena planoconvexa (r)
ulrichi lobata (c)	Zygospira cincinattiensis (r)
Homotrypa cincinattiensis (c)	
dumosa (r)	Isotelus maximus (r)
glabra (r)	
obliqua (c)	

*Fauna of Cut 2, Highest Ledge, Fairmount.*

Amplexopora septosa (c)	Hallopora andrewsi (r)
septosa multispinosa (c)	dalei (a)
Dekayia multispinosa (r)	ramosa (c)
Escharopora falciformis (c)	Heterotrypa subpulchella (r)
pavonia (r)	
	Rafinesquina alternata (c)

*Fauna of Cut 3, 0-15 Feet Above Railroad, Middle McMicken.*

Amplexopora septosa (a)	Dekayia maculata (c)
septosa maculosa (c)	obscura (c)
septosa minima (c)	Hallopora dalei (c)
septosa multispinosa (a)	nodulosa (c)
Arthropora cincinattiensis (r)	onealli sigillarioides (c)
shafferi (r)	Heterotrypa subpulchella (r)
Atactoporaella sp. (r)	ulrichi (aa)
Batostoma implicatum (c)	Peronopora vera (c)
Ceramoporella distincta (r)	Stomatopora arachnoidea (c)
ohicensis (c)	
Coeloclema commune (c)	Dalmanella multisecta (a)
Dekayia aspera (r)	Platystrophia laticosta (r)

*Fauna of Cut 3, 17-40 Feet Above Railroad, Upper McMicken.*

Amplexopora septosa (a)	Arthropora cleavelandi (r)
septosa maculosa (r)	Atactopora intermedia (r)
septosa minima (c)	Batostoma implicatum (c)
septosa multispinosa (c)	jamesi (r)

Bythopora aretipora (r)	Petigopora asperula (c)
Ceramoporella distincta (c)	petechialis (r)
ohioensis (c)	Phylloporina variolata (r)
tubulosa (c)	Stomatopora arachnoidea (c)
Consteliaria constellata (c)	
Dekayia aspera (c)	Dalmanella multisecta (c)
maculata (r)	Platystrophia laticosta (c)
Dicranopora meeki (c)	Rafinesquina alternata (c)
Hallopora dalei (a)	Zygospira cincinnatiensis (r)
nodulosa (c)	modesta (r)
onealli communis (a)	
onealli sigillarioides (c)	Orthoceras sp. (r)
Heterotrypa subpulchella (c)	
ulrichi (c)	Acidaspis sp. (r)
ulrichi lobata (c)	Calymene callicephala (r)
ulrichi robusta (c)	Isotelus maximus (r)
Peronopora vera (a)	

*Fauna of Cut 3, Top 5 Feet. Top of McMicken. (Base of Maysville.)*

Cornulites flexuosus (a)	Heterotrypa subpulchella (r)
	ulrichi (r)
Amplexopora septosa (c)	Peronopora vera (aa)
septosa maculosa (r)	Stigmatella clavis (r)
septosa minima (c)	
septosa multispinosa (r)	Crania laelia (r)
Arthropora cincinnatiensis (r)	scabiosa (r)
Batostoma implicatum (c)	Dalmanella multisecta (r)
Ceramoporella distincta (r)	Platystrophia laticosta (r)
ohioensis (r)	Plectorthis plicatella (r)
Consteliaria constellata (r)	Zygospira cincinnatiensis (r)
Dekayia aspera (c)	modesta (c)
Hallopora dalei (a)	
subplana (aa)	Ctenobolbina ciliata (r)

*Fauna of Section 1.34(12a). Top of McMicken. (Base of Maysville.)*

OEnonites cuneatus (r)	Homotrypa obliqua (r)
sp. (r)	Peronopora vera (a)
	Stomatopora arachnoidea (r)
Amplexopora septosa (a)	
Arthropora cincinnatiensis (r)	Plectorthis plicatella (c)
shafferi (r)	Rafinesquina alternata (c)
Dekayia aspera (r)	Zygospira modesta (c)
Escharopora falciformis (c)	
Hallopora dalei (a)	Acidaspis sp. (r)
subplana (a)	Calymene callicephala (r)
Heterotrypa ulrichi lobata (r)	Isotelus maximus (r)

*Fauna of Cut 4, Upper 25. Mt. Hope-Fairmount.*

Cornulites flexuosus (r)	Heterotrypa subfrondosa (r)
	subpulchella (r)
Amplexopora septosa (a)	ulrichi (r)
septosa minima (c)	ulrichi lobata (c)
septosa multispinosa (c)	ulrichi robusta (r)
Arthropora cincinnatiensis (r)	Homotrypa alta (r)
shafferi (r)	curvata praecipita (r)
Atactoporella typicalis (r)	spinea (r)
Bythopora arctipora (r)	Peronopora vera (a)
Ceramoporella distincta (r)	Petigopora asperula (r)
ohioensis (r)	Proboscina frondosa (r)
Constellaria constellata (r)	Stomatopora arachnoidea (a)
Dekayia multispinosa (r)	
Escharopora faleiformis (c)	Crania scabiosa (r)
Hallopora dalei (aa)	Platystrophia laticosta (a)
subplana (r)	Zygospira modesta (c)
Heterotrypa frondosa (r)	
	Cyclonema bilix (r)

*Fauna of Cut 5, North Side. McMicken-Mt. Hope.*

Amplexopora cf. robusta (r)	Heterotrypa ulrichi lobata (r)
septosa (c)	Peronopora vera (aa)
septosa maculosa (r)	Petigopora asperula (r)
septosa multispinosa (a)	Stigmatella clavis (r)
Arthropora shafferi (r)	Stomatopora arachnoidea (c)
Batostoma implicatum (c)	
Ceramoporella distincta (r)	Crinoid segments (c)
ohioensis (r)	
Constellaria constellata (r)	Platystrophia laticosta (r)
Dekayia aspera (aa)	Plectorthis plicatella (r)
cf. aspera (c)	Zygospira modesta (c)
maculata (r)	
Dicranopora emacerata (r)	Cyclora minuta (c)
Hallopora dalei (aa)	
cf. subplana (aa)	Orthoceras sp. (r)
Heterotrypa subfrondosa (r)	
ulrichi (c)	Isotelus maximus (r)

*Fauna of Cut 5, Upper 30 Feet. Mt. Hope-Fairmount.*

Amplexopora septosa (c)	Heterotrypa subfrondosa (r)
Arthropora cincinnatiensis (r)	subpulchella (r)
shafferi (c)	ulrichi lobata (r)
Atactoporella sp. (r)	ulrichi robusta (r)
Corynotrypa inflata (r)	Homotrypa cincinnatiensis (r)
Dekayia aspera (r)	spinea (c)
Escharopora faleiformis (a)	Peronopora vera (r)
Hallopora dalei (c)	Petigopora asperula (r)
subplana (r)	petechialis (c)

Stomatopora arachnoidea (r)	Zygospira modesta (c)
Crania scabiosa (r)	Cyclora minuta (r)
Dalmanella multisepta (r)	
Platystrophia costata (c)	Acidaspis sp. (r)
Plectorthis plicatella (c)	Isotelus maximus (c)
Rafinesquina alternata (c)	

*Fauna of Cut 5, Upper 15 Feet. Fairmount.*

Amplexopora septosa (c)	Homotrypa curvata praecipua (r)
septosa multispinosa (c)	spinea (r)
Arthropora cincinnatiensis (r)	Petigopora asperula (c)
Ceramoporella distincta (r)	Stigmatella aleicornis (c)
ohioensis (r)	Stomatopora arachnoidea (r)
Constellaria constellata (c)	
Corynotrypa delicatula (r)	Dalmanella cf. meeki (c)
inflata (r)	Platystrophia costata (c)
Dekayia aspera (r)	Plectambonites sericeus (r)
cf. aspera (c)	Plectorthis plicatella (c)
Escharopora faleiformis (a)	Rafinesquina alternata (a)
Hallopora dalei (a)	Zygospira modesta (a)
Heterotrypa inflecta (r)	
subfrondosa (c)	Calymene callicephala (r)
subpulchella (r)	Isotelus maximus (c)
ulrichi (r)	
ulrichi lobata (c)	

*Fauna of Cut 7, 10-30 Feet Above Railroad. Fairmount.*

Atactoporella multigranosa (r)	Homotrypa flabellaris spinifera (c)
Bythopora gracilis (r)	obliqua (r)
Ceramoporella ohioensis (c)	spinea (r)
Constellaria constellata (r)	Monticulipora mammulata (r)
Dekayia appressa (c)	Stigmatella sessilis (r)
aspera (r)	
Escharopora pavonia (c)	Hebertella sinuata (r)
Hallopora andrewsi (a)	Platystrophia costata (r)
dalei (a)	laticosta (r)
Heterotrypa frondosa (c)	lynx (r)
pelliculata (r)	Plectorthis plicatella (r)
solitaria (c)	Rafinesquina alternata (r)
subfrondosa (r)	alternata fracta (r)
subpulchella (c)	Strophomena planoconvexa
ulrichi (r)	Zygospira cincinnatiensis (r)
ulrichi lobata (a)	modesta (r)
ulrichi robusta (c)	
Homotrypa cincinnatiensis (r)	Cyclora minuta (c)
curvata (r)	
dumosa (r)	Orthoceras sp. (r)

*Fauna of Cut 7, Upper 20 Feet. Upper Fairmount.*

Cora: unidentified	Homotrypa curvata (r)
	obliqua (r)
Cornulites flexuosus (r)	spinea (r)
	Petigopora asperula (r)
Amplexopora septosa multispinosa (r)	Stomatopora arachnoidea (r)
Arthropora shafferi (c)	Platystrophia laticosta (r)
Ceramoporella ohioensis (r)	Plectorthis plicatella (r)
Constellaria constellata (r)	Rafinesquina alternata (r)
Crepipora solida (r)	alternata fracta (r)
Dekayia appressa (r)	Strophomena planoconvexa (r)
aspera (r)	Zygospira cincinnatiensis (c)
multispinosa (r)	modesta (c)
Hallopora andrewsi (r)	
dalei (c)	Byssonychia radiata (r)
ramosa rugosa (r)	sp. (r)
Heterotrypa frondosa (a)	
paupera (r)	Cyclora minuta (c)
solitaria (r)	Cyrtolites ornatus (r)
ulrichi (r)	
Homotrypa cincinnatiensis (r)	Calymene callicephala (r)
	Isotelus maximus (r)

*Fauna of Cut 7, 50 Feet Above Railroad. Top of Fairmount.*

Amplexopora septosa (r)	Hebertella sinuata (r)
Bythopora gracilis (r)	Platystrophia laticosta (r)
Dekayia aspera (r)	Plectorthis plicatella (r)
multispinosa (r)	Rafinesquina alternata (c)
Escharopora pavonia (r)	alternata fracta (r)
Hallopora andrewsi (aa)	Zygospira modesta (r)
cf. subplana (a)	
dalei (c)	Calymene callicephala (r)
Heterotrypa cf. ulrichi lobata (r)	Isotelus maximus (r)

*Fauna of Section 134C13, Lower 5 Feet. Base of Mt. Hope.*

Amplexopora septosa (a)	Homotrypa spinea (r)
septosa multispinosa (r)	Peronopora vera (a)
Arthropora cincinnatiensis (r)	Petigopora asperula (r)
shafferi (c)	
Ceramoporella ohioensis (r)	Dalmanella multisecta (c)
Constellaria constellata prominens (r)	Platystrophia laticosta (c)
	Rafinesquina alternata (a)
Dekayia aspera (r)	Zygospira modesta (c)
Dicranopora emacerata (c)	
Escharopora faleiformis (c)	Acidaspis sp. (r)
Hallopora dalei (a)	Calymene callicephala (r)
Heterotrypa ulrichi lobata (r)	Isotelus maximus (r)

*Fauna of Section 13½C13, Upper Part. Mt. Hope-Fairmount.*

Amplexopora septosa (r)	Heterotrypa ulrichi (c)
septosa multispinosa (r)	ulrichi lobata (r)
Ceramoporella ohioensis (r)	ulrichi robusta (r)
Constellaria constellata (r)	Homotrypa cincinnatiensis (r)
Dekayia aspera (c)	glabra (r)
cf. aspera (r)	Stomatopora arachnoidea (r)
Escharopora pavonia (r)	
Hallopora dalei (c)	Dalmanella multisepta (r)
Heterotrypa paupera (r)	Platystrophia laticosta (r)
subfrondosa (c)	Rafinesquina alternata (r)
subpulchella (r)	Zygospira modesta (r)

*Fauna of Section 13½C13, All. Mt. Hope-Fairmount.*

Amplexopora septosa (r)	Heterotrypa subfrondosa (r)
septosa multispinosa (r)	Heterotrypa ulrichi lobata (r)
Arthropora shafferi (c)	ulrichi robusta (r)
Ceramoporella distincta (r)	Homotrypa cincinnatiensis (r)
ohioensis (r)	dumosa (r)
Dekayia aspera (r)	spinea (r)
Dicranopora emacerata (c)	Peronopora vera (r)
sp. (c)	Proboscina frondosa (r)
Escharopora falciformis (r)	
pavonia (r)	Rafinesquina alternata (c)
Hallopora dalei (a)	Zygospira modesta (r)

*Fauna of Cut 8, 5-25 Feet Above Railroad. Bellevue.*

<del>Amplexopora</del> filiosa (c)	Petigopora asperula (r)
robusta (r)	
Arthropora shafferi (c)	Hebertella sinuata (c)
Afctoporella mundula (r)	Platystrophia laticosta (c)
Bythopora gracilis (a)	Rafinesquina alternata (c)
Dekayia appressa (c)	alternata fracta (r)
multispinosa (r)	Zygospira modesta (c)
Hallopora andrewsi (r)	
ramosa (a)	Byssonychia radiata (r)
ramosa rugosa (r)	Pterinea demissa (r)
Heterotrypa frondosa (a)	
cf. singularis (r)	Cyclonema bilix (r)
solitaria (r)	Cyclora minuta (r)
Peronopora pavonia (c)	
	Calymene callicephalo (r)

*Fauna of Cut 8, 36 Feet Above Railroad. Top of Bellevue.*

Cornulites flexuosus (r)	Hallopora ramosa (a)
	ramosa rugosa (r)
Amplexopora robusta (r)	Heterotrypa frondosa (c)
Bythopora gracilis (c)	Homotrypa obliqua (r)
Dekayia appressa (c)	Peronopora pavonia (a)
magna (r)	Petigopora petechialis (r)
multispinosa (c)	



Rafinesquina alternata (r)	Cyclonema bilix (r)
Zygospira modesta (r)	Cyclora minuta (r)

*Fauna of Cut 8, 60 Feet Above Railroad. Corryville.*

Amplexopora pustulosa (c)	Homotrypa curvata (r)
Arthropora shafferi (c)	obliqua (r)
Bythopora gracilis (aaa)	Peronopora pavonia (aa)
Chiloporella flabellata (a)	
Dekayia appressa (c)	Dalmanella meeki (r)
cf. maculata (r)	Platystrophia lynx (r)
Dicranopora emacerata (r)	Rafinesquina alternata (r)
Escharopora sp. (r)	Zygospira modesta (c)
Hallopora cf. andrewsi (c)	
ramosa (a)	Orthoceras sp. (r)
ramosa rugosa (c)	
Heterotrypa frondosa (a)	Calymene callicephalo (r)
paupera (r)	Isotelus maximus (r)
cf. singularis (c)	

*Fauna of the Borrow Cut. Bellevue.*

Cornulites flexuosus (r)	Peronoporella dubia (c)
	Petigopora asperula (r)
Amplexopora filiosa (r)	petechialis (r)
Bythopora gracilis (a)	Stomatopora arachnoidea (r)
Chiloporella flabellata (r)	
Dekayia magna (r)	Hebertella sinuata (r)
Hallopora andrewsi (r)	Platystrophia laticosta (c)
ramosa (a)	Rafinesquina alternata (c)
ramosa rugosa (c)	alternata fracta (c)
sp. (c)	alternata ponderosa (c)
Heterotrypa frondosa (aa)	Zygospira modesta (c)
pelliculata (c)	
cf. singularis (c)	Cyrtolites ornatus (r)
Homotrypa curvata (r)	
Peronopora pavonia (a)	Isotelus maximus (r)

*Fauna of Cut 10, 15 Feet Above Railroad. Mt. Auburn.*

Cornulites flexuosus (c)	Dekayia appressa (a)
	multispinosa (a)
Amplexopora pustulosa (a)	Hallopora cf. onealli (r)
robusta (r)	ramosa (c)
Atactoporella ortonii (c)	ramosa rugosa (r)
Bythopora delicatula (c)	Heterotrypa frondosa (r)
Ceramoporella distincta (c)	Homotrypa pulchra (c)
ohioensis (r)	Peronopora pavonia (aa)
Chiloporella flabellata (r)	Proboscina frondosa (r)
Coeloclema cf. alternatum (r)	
oweni (c)	Dalmanella meeki (r)

Platystrophia lynx (r)	Orthoceras sp. (r)
Rafinesquina alternata (c)	
Zygospira modesta (r)	Calymene callicephala (r)
	Isotelus maximus (r)
Modiolodon sp. (r)	
	Primitia impressa (r)
Cyclora minuta (c)	

*Fauna of Cut 10, 10-20 Feet Above Railroad. Mt. Auburn-Arnheim.*

Cornulites flexuosus (r)	Homotrypa frondosa (c)
	Peronopora pavonia (r)
Amplexopora ampla (r)	Peronoporella dubia (r)
pustulosa (a)	Stigmatella dychei (r)
robusta (a)	Stomatopora arachnoidea (c)
Arthropora shafferi (r)	
Atactoporella multigranosa (c)	Crania scabiosa (r)
Bernicea primitiva (r)	Plectambonites sericeus (r)
Bytuopora delicatula (r)	Rafinesquina alternata (a)
Ceramoporella ohioensis (r)	alternata fracta (c)
Corynotrypa delicatula (r)	alternata loxorhytis (r)
inflata (r)	Zygospira modesta (c)
Coeloclema cf. alternatum (c)	
oweni (c)	Cyclonema bilix (c)
Dekayia cf. obscura (r)	
Eridotrypa simulatrix (r)	Orthoceras sp. (c)
Hallopora ramosa (a)	Acidaspis sp. (r)
ramosa rugosa (c)	Calymene callicephala (r)
Heterotrypa frondosa (c)	Isotelus maximus (r)

*Fauna of Cut 10, 25-55 Feet Above Railroad. Arnheim.*

Amplexopora cingulata (r)	Mesotrypa orbiculata (c)
pustulosa (a)	Peronopora pavonia (c)
Arthropora shafferi (c)	Peronoporella dubia (c)
Atactoporella mundula (c)	Petigopora asperula (c)
Batostoma varians (r)	petechialis (c)
Bernicea primitiva (r)	Stigmatella catenulata (r)
Ceramoporella ohioensis (c)	
Coeloclema cf. alternatum (c)	Dalmanella meeki (r)
Dekayia aspera (c)	Dinorthis retrorsa (r)
cf. maculata (c)	Platystrophia laticosta (r)
magna (r)	Rafinesquina alternata (a)
cf. obscura (c)	alternata fracta (c)
Hallopora cf. onealli (a)	
ramosa (aa)	Conularia formosa (r)
ramosa rugosa (c)	Cyclonema bilix (a)
cf. subplana (c)	Cyclora minuta (c)
subnodosa (c)	
Homotrypa frondosa (r)	Calymene callicephala (c)
pulchra (c)	

*Fauna of Cut 10, Above P. LYNX Layer, Mt. Auburn or Lower Arnheim.*

Cornulites flexuosus (r)	Byssonychia radiata (r)
	Modiolodon sp. (r)
Arthropora shafferi (c)	Pterinea demissa (r)
Bythopora delicatula (a)	
Coeloclema cf. alternatum (r)	Conradella dyeri (r)
oweni (r)	Cyclonema bilix (a)
Hallopora cf. onealli (r)	Cyclora minuta (a)
Peronopora pavonia (r)	
Petigopora asperula (r)	Orthoceras sp. (c)
petechialis (r)	
Proboscina frondosa (r)	Acidaspis sp. (c)
	Calymene callicephala (c)
Crania scabiosa (c)	Isotelus maximus (r)
Dalmanella meeki (r)	
Rafinesquina alternata (c)	Primitia impressa (c)
alternata loxorhytis (r)	
Zygospira modesta (aa)	Crinoid segments (a)

*Fauna of Cut 10, All. Coryville-Arnheim.*

Cornulites flexuosus (a)	Petigopora asperula (c)
	petechialis (c)
Amplexopora pustulosa (aa)	Stomatopora arachnoidea (c)
robusta (a)	
Arthropora shafferi (r)	Crania scabiosa (c)
Atactoporella ortonii (c)	Dalmanella meeki (r)
Bernicea primitiva (r)	Platystrophia lynx (r)
Bythopora striata (r)	Rafinesquina alternata (a)
delicatula (r)	alternata fracta (a)
Ceramoporella ohioensis (c)	alternata loxorhytis (c)
Coeloclema oweni (aa)	Zygospira modesta (c)
Corynotrypa inflata (r)	Byssonychia sp. (r)
Dekayia appressa (aa)	Modiolodon sp. (r)
cf. maculata (c)	
multispinosa (c)	Cyclonema bilix (c)
Eridotrypa simulatrix (r)	
Hallopora ramosa (aa)	Orthoceras sp. (c)
ramosa rugosa (c)	
Heterotrypa frondosa (c)	Calymene callicephala (r)
Homotrypa frondosa (r)	Isotelus maximus (r)
pulchra (c)	

*Fauna of Cut 11, 5-30 Feet Above Railroad (South End of Cut).  
Lower Arnheim.*

Crinoid segments (c)	Atactoporella multigranosa (c)
	Bernicea primitiva (r)
Amplexopora cingulata (r)	Ceramoporella distincta (r)
pustulosa (c)	ohioensis (c)
robusta (c)	whitei (r)
Arthropora shafferi (c)	Coeloclema cf. alternatum (c)

Corynetrypa inflata (r)	Dalmanella meeki (c)
Dekayia appressa (c)	Dinorthis retrorsa? (r)
cf. aspera (r)	Rafinesquina alternata (c)
Eridotrypa simulatrix (c)	alternata fracta (a)
Hallopora cf. onealli (c)	alternata loxorhytis (c)
ramosa (a)	Zygospira modesta (a)
ramosa rugosa (c)	
subnodosa (a)	Byssonychia tenuistriata (c)
cf. subplana (c)	Modiolodon sp. (c)
Helopora harrisi (r)	Pterinea demissa (r)
Heterotrypa ulrichi lobata (r)	
Homotrypa flabellaris (r)	Cyclonema bilix (a)
frondosa (r)	Cyclora minuta (a)
pulchra (r)	
Peronopora pavonia (r)	Orthoceras sp. (r)
Peronoporella dubia (c)	
Petigopora asperula (r)	Calymene callicephala (r)
Proboscina autoporoides (r)	Isotelus maximus (r)
Crania scabiosa (r)	Primitia impressa (c)

*Fauna of Cut II, Upper 20 Feet, Upper Anaheim.*

Amplexopora pustulosa (r)	Lingula cincinattiensis (r)
sp. (r)	Rafinesquina alternata (a)
Bythopora delicatula (r)	alternata fracta (c)
Ceramoporella distincta (r)	alternata loxorhytis (a)
ohioensis (a)	Zygospira modesta (aa)
Hallopora ramosa (r)	
subnodosa (c)	Byssonychia radiata (c)
cf. subplana (r)	sp. (c)
Heterotrypa frondosa (r)	
Homotrypa pulchra (r)	Cyclora minuta (c)
Peronopora pavonia (c)	Orthoceras sp. (c)
Proboscina autoporoides (aa)	
Rhopalonaria venosa (c)	Calymene callicephala (r)
Stomatopora arachnoidea (c)	Isotelus maximus (r)
Crania scabiosa (c)	Primitia impressa (r)
Dinorthis retrorsa (c)	

*Fauna of Cut II, All, Anaheim.*

Cornulites richmondensis (r)	robusta (c)
sp. (c)	sp. (c)
	Atactoporella mundula (c)
Glyptocrinus sp. (c)	ortoni (c)
	Batostoma varians (r)
Amplexopora ampla (c)	Bernicea primitiva (r)
cingulata (r)	
pustulosa (a)	

Bythopora delicatula (c)	Peronopora pavonia (c)
gracilis (c)	Peronoporella dubia (a)
Ceramoporella distincta (c)	Petigopora asperula (a)
ohioensis (c)	petechialis (a)
whitei (r)	Proboscina auloporoides (c)
Coeloclema cf. alternatum (a)	Stigmatella catenulata (r)
oweni (r)	
Corynotrypa inflata (c)	Crausia scabiosa (c)
Dekayia appressa (c)	Dalmanella meeki (c)
aspera (c)	Leptaena rhomboidalis (r)
cf. aspera (c)	Platystrophia lynx (r)
magna (r)	Rafinesquina alternata (c)
multispinosa (r)	alternata fracta (aa)
Hallopora cf. onealli (c)	alternata loxorhytis (a)
ramosa (aa)	Zygospira modesta (aa)
romosa rugosa (a)	
Hallopora subnodosa (a)	Cyclonema bilix (a)
cf. subplana (c)	Cyclora minuta (a)
Heterotrypa solitaria (r)	
ulrichi lobata? (r)	Orthoceras sp. (c)
Homotrypa frondosa (c)	
pulchra (a)	Calymene callicephala (c)
Nicholsonella peculiaris (r)	Isotelus maximus (r)

*Fauna of Cut 12, 0-15 Feet Above Railroad. Top of Arnheim.*

Amplexopora filiosa (r)	Strophomena planumbona? (r)
pustulosa (r)	
Ceramoporella ohioensis (r)	Byssonychia grandis (r)
Eridotrypa simulatrix (r)	
Peronopora pavonia (r)	Cyclonema bilix (r)
Petigopora asperula (c)	
Rafinesquina alternata (r)	Primitia impressa (r)

*Fauna of Cut 12, 15-37 Feet Above Railroad. Lower Waynesville.*

Cornulites richmondensis (a)	Stigmatella crenulata (c)
	interporosa (c)
Amplexopora pustulosa (r)	spinosa (c)
Arthropora shafferi (a)	
Bythopora delicatula (c)	Dalmanella meeki (a)
meeki (r)	Rafinesquina alternata (r)
striata (r)	Zygospira modesta (c)
Hallopora cf. onealli (a)	
subnodosa (r)	Byssonychia grandis (r)
Helopora harrisi (c)	Pterinea demissa (c)
Homotrypella hospitalis (r)	
rustica (r)	Conradella dyeri (r)
Peronopora pavonia (c)	Cyclora minuta (a)
Petigopora petechialis (c)	
Proboscina auloporoides (r)	Acidaspis sp. (r)
	Calymene callicephala (c)

Ceraurus pleurexanthemus (r)	Leperditia caecigena (c)
Isotelus maximus (c)	Primitia impressa (aa)
Ctenobolbina ciliata (c)	Lepidocoleus jamesi (r)

*Fauna of Cut 13, Lower 40 Feet. Lower Waynesville.*

Streptelasma rusticum (r)	Crania scabiosa (c)
Cornulites richmondensis (a)	Dalmanella meeki (aa)
Arthropora shafferi (a)	Hebertella sinuata (r)
Batostoma varians (r)	Leptaena rhomboidalis (r)
Bythopora delicatula (r)	Platystrophia laticosta (r)
meeki (a)	Plectambonites sericeus (c)
striata (r)	Rafinesquina alternata (c)
Ceramoporella ohioensis (c)	alternata loxorhytis (c)
whitei (r)	Strophomena planumbona (r)
Dicranopora emacerata (r)	Zygospira modesta (a)
Eridotrypa simulatrix (a)	Byssonychia sp. (c)
Hallopora subnodosa (c)	Pterinea demissa (r)
Heterotrypa prolifica (c)	Cyclonema bilix (c)
Homotrypa austini (c)	Cyclora minuta (r)
Homotrypella hospitalis (c)	Acidaspis sp. (r)
Peronopora pavonia (r)	Calymene callicephala (c)
Petigopora asperula (r)	Isotelus maximus (r)
Proboscina uloporoides (r)	Primitia impressa (a)
Stigmatella crenulata (c)	
spinosa (r)	
Stomatopora arachnoidea (c)	

*Fauna of Cut 13, 40-60 Feet Above Railroad. Middle Waynesville.*

Streptelasma rusticum (c)	Hallopora cf. ramosa (c)
Cornulites richmondensis (c)	ramosa rugosa (r)
Arthropora shafferi (c)	subnodosa (a)
Atactoporella schucherti (r)	Helopora sp. (r)
Batostoma prosseri (r)	Heterotrypa affinis (r)
varians (a)	prolifica (aa)
Bernicea primitiva (c)	singularis (c)
Bythopora delicatula (c)	subramosa (a)
meeki (a)	Homotrypa austini (a)
striata (r)	communis (a)
Ceramoporella distincta (r)	flabellaris (a)
ohioensis (r)	cf. flabellaris spinifera (c)
Constellaria polystomella (r)	Homotrypa nodulosa (c)
Dicranopora emacerata (r)	Homotrypella hospitalis (c)
Eridotrypa simulatrix (a)	Monticulipora parasitica (r)
	Peronopora pavonia (a)
	Proboscina uloporoides (r)

Rhombotrypa quadrata (a)	Zygospira modesta (c)
Stomatopora arachnoidea (a)	
	Byssonychia sp. (r)
Crania laelia (r)	Pterinea demissa (r)
scabiosa (r)	
Dalmanella meeki (c)	Cyclonema bilix (c)
Hebertella sinuata (r)	
Platystrophia acutilirata (a)	Orthoceras sp. (r)
laticosta (c)	
Rafinesquina alternata (a)	Calymene callicephala (r)
Strophomena planumbona (r)	Isotelus maximus (r)

*Fauna of Cut 13, Dump, Waynesville.*

Protarea vetusta (r)	Peronopora pavonia (c)
Streptelasma rusticum (c)	Proboscina auloporoides (c)
	frondosa (r)
Cornulites richmondensis (a)	Rhombotrypa quadrata (a)
sp. (coiled) (c)	Stomatopora arachnoidea (c)
Arthropora shafferi (c)	Crania scabiosa (r)
Atactoporella schucherti (r)	Dalmanella meeki (a)
Batostoma varians (c)	Hebertella sinuata (r)
Bernicea primitiva (c)	Leptaena rhomboidalis (r)
Bythopora delicatula (c)	Platystrophia laticosta (a)
meeki (c)	Rafinesquina alternata (c)
Ceramoporella distincta (r)	Strophomena subtenta (r)
ohioensis (c)	Trematis millepunctata (r)
Dicranopora emacerata (r)	
Eridotrypa simulatrix (r)	Byssonychia obesa (r)
Heterotrypa microstigma (r)	Eridonychia crenata (c)
prolifera (a)	Modiolodon truncatus (r)
singularis (c)	Modiolopsis versaillesensis (c)
subramosa (c)	Opisthoptera casei (c)
Hallopora ramosa rugosa (r)	Pterinea demissa (c)
subnodosa (r)	
Homotrypa austini (c)	Gas'tropoda, unidentified (a)
communis (a)	
flabellaris (c)	Calymene callicephala (c)
frondosa (r)	
Homotrypella hospitalis (a)	Primitia impressa (c)

*Fauna of Cut 14, 0-40 Feet Above Railroad, Middle Waynesville.*

Cornulites richmondensis	Eridotrypa simulatrix (r)
	Heterotrypa prolifera (c)
	subramosa (c)
Arthropora shafferi (c)	Homotrypa austini (r)
Batostoma varians (r)	communis (c)
Bernicea primitiva (r)	Stomatopora arachnoidea (r)
Bythopora delicatula (c)	
meeki (c)	Crania scabiosa (r)
striata (c)	

Dalmanella meeki (a)	Gastropoda, unidentified (r)
Platystrophia laticosta (r)	
Plectambonites sericeus (r)	Orthoceras sp. (c)
Zygospira modesta (r)	
	Acidaspis cincinnatiensis (r)
Byssonychia sp. (c)	Calymene callicephala (c)
Pterinea demissa (c)	Isotelus maximus (c)

*Fauna of Cut 1½, South Side, 70 Feet Above Railroad, Middle Waynesville.*

Streptelasma rusticum (a)	Dalmanella meeki (aa)
	Hebertella sinuata (c)
Cornulites richmondensis (a)	Leptaena rhomboidalis (c)
	Platystrophia acutilirata (c)
	laticosta (a)
Amplexopora pustulosa (r)	Plectambonites sericeus (r)
Arthropora shafferi (c)	Rafinesquina alternata (a)
Batostoma prosseri (r)	alternata loxorhytis (c)
varians (c)	Strophomena planumbona (r)
Bythopora delicatula (c)	Zygospira modesta (c)
meeki (a)	
Ceramoporella distincta (r)	Byssonychia sp. (c)
ohioensis (c)	Modiolopsis versaillesensis (a)
Eridotrypa simulatrix (c)	Opisthoptera casei (r)
Hallopora subnodosa (c)	Pterinea demissa (c)
Heterotrypa prolifica (aa)	
singularis (r)	Cyclonema bilix (r)
subramosa (a)	Lophospira bowdeni (r)
Homotrypa austini (a)	sp. (a)
communis (a)	
flabellaris (a)	Orthoceras sp. (c)
Homotrypella hospitalis (a)	
Nicholsonella vaupeli (c)	Calymene callicephala (r)
Peronopora pavonia (c)	
Rhombotrypa quadrata (c)	
Spatiopora sp. (r)	

*Fauna of Cut 1½, 0-50 Feet Above Railroad, Middle Waynesville.*

Streptelasma rusticum (c)	Dicranopora emacerata (c)
	Eridotrypa simulatrix (c)
Glyptocrinus decadaetylis (r)	Hallopora subnodosa (r)
	Heterotrypa prolifica (a)
	singularis (r)
Cornulites richmondensis (r)	Homotrypa austini (a)
sp. (coiled) (c)	communis (a)
	flabellaris (a)
Amplexopora pustulosa (r)	Homotrypella hospitalis (c)
Arthropora shafferi (r)	Peronopora pavonia (c)
Atactoporella schucherti (r)	Rhombotrypa quadrata (a)
Batostoma varians (c)	
Bernicea primitiva (r)	
Bythopora meeki (c)	Crania scabiosa (c)
Ceramoporella ohioensis (c)	Dalmanella meeki (c)



Hebertella sinuata (c)	Zygospira modesta (c)
Leptaena rhomboidalis (r)	
Platystrophia acutilirata (c)	Byssonychia richmondensis (r)
laticosta (c)	Modiolopsis versaillesensis (r)
Rafinesquina alternata (a)	
alternata loxorhytis (c)	Cyclonema bilix (r)
alternata cf. ponderosa (c)	
Rhynchotrema dentata (c)	Calymene callicephala (r)
Strophomena planumbona (r)	

*Fauna of Cut 1 $\frac{1}{2}$ , 25-50 Feet Above Railroad. Waynesville.*

Streptelasma rusticum (a)	Rhombotrypa quadrata (a)
	subquadrata (r)
Cornulites richmondensis (a)	Crania scabiosa (c)
	Dalmanella meeki (aa)
Arthropora shafferi (aa)	Hebertella sinuata (c)
Batostoma prosseri (r)	Leptaena rhomboidalis (a)
varians (c)	Platystrophia acutilirata (r)
Bernicea primitiva (r)	laticosta (c)
Bythopora delicatula (c)	Plectambonites sericeus (c)
meeki (c)	Rafinesquina alternata (a)
striata (c)	alternata loxorhytis (c)
Ceramoporella distincta (r)	Rhynchotrema capax (c)
ohioensis (c)	dentata (r)
Constellaria limitaris (r)	Strophomena planumbona (c)
polystomella (r)	subtenta (r)
Dicranopora emacerata (c)	Zygospira modesta (aa)
fragilis (c)	
Eridotrypa simulatrix (c)	Byssonychia sp. (r)
Fenestella granulosa (r)	Ischyrodonta ovalis (r)
Hallopora subnodosa (c)	Opisthoptera casei (r)
Heterotrypa prolifica (a)	Pterinea demissa (c)
Homotrypa austini (a)	
cummunis (a)	Conradella dyeri (r)
flabellaris (a)	Cyclonema bilix (c)
nodulosa (c)	Cyclora minuta (r)
Homotrypella hospitalis (a)	
Monticulipora parasitica (r)	Orthoceras sp. (r)
Peronopora pavonia (c)	
Petigopora petechialis (a)	Acidaspis cincinnatiensis (r)
Proboscina frondosa (c)	Calymene callicephala (c)
Ptilodictya plumaria (r)	Ceraurus pleurexanthemus (r)
	Isotelus maximus (c)

*Fauna of Cut 1 $\frac{1}{2}$ , 50-67 Feet Above Railroad. Upper Waynesville (or Lower Liberty).*

Columnaria alveolata (r)	Streptelasma divaricans (a)
Protarea vetusta (a)	rusticum (a)

Amplexopora pumila (a)	Rhombotrypa quadrata (a)
Arthropora shafferi (r)	subquadrata (c)
Batostoma prosseri (c)	Spatiopora aspera (r)
varians (c)	Stomatopora arachnoidea (r)
Bythopora delicatula (a)	
meeki (c)	Dinorthis subquadrata (c)
striata (c)	Hebertella insculpta (aa)
Bernicea primitiva (r)	sinuata (a)
Ceramoporella ohioensis (c)	Leptaena rhomboidalis (a)
Constellaria limitaris (a)	Platystrophia laticosta (c)
polystomella (c)	Plectambonites sericeus (r)
Dicranopora emacerata (r)	Rafinesquina alternata (c)
Eridotrypa simulatrix (aa)	Rhynchotrema capax (aa)
Hallopora subnodosa (aa)	Strophomena planumbona (a)
Heterotrypa prolifica (a)	Zygospira modesta (c)
Homotrypa communis (a)	
flabellaris (r)	Byssonychia sp. (r)
Homotrypella hospitalis (a)	
rustica (r)	Cyclonema bilix (c)
Monticulipora parasitica (r)	
Nicholsonella vaupeli (c)	Orthoceras sp. (c)
Peronopora pavouia (r)	
Proboscina frondosa (r)	Callymene callicephala (a)
	Isotelus maximus (c)

*Fauna of Cut 14, All. Middle and Upper Waynesville.*

Streptelasma rusticum (r)	Homotrypella hospitalis (c)
	Monticulipora parasitica (r)
Cornulites richmondensis (c)	Petigopora petechialis (a)
Arthropora shafferi (r)	Dalmanella meeki (a)
Batostoma varians (r)	Leptaena rhomboidalis (c)
sp. (r)	Platystrophia laticosta (r)
Bythopora delicatula (c)	Rafinesquina alternata (c)
meeki (c)	Zygospira modesta (r)
striata (c)	
Ceramoporella ohioensis (r)	Byssonychia sp. (c)
Dicranopora emacerata (r)	Pterinea demissa (c)
Eridotrypa simulatrix (c)	
Hallopora subnodosa (c)	Calymene callicephala (c)
Heterotrypa prolifica (c)	Isotelus maximus (c)
Homotrypa communis (c)	

*Fauna of Cut 15, 0-30 Feet Above Railroad, Middle Waynesville*

Streptelasma rusticum (a)	Bythopora delicatula (c)
	meeki (c)
Arthropora shafferi (r)	striata (r)
Batostoma prosseri (r)	Ceramoporella granulosa (r)
varians (c)	ohioensis (r)
Bernicea primitiva (r)	Constellaria polystomella (r)

Eridotrypa simulatrix (c)	Stomatopora arachnoidea (a)
Hallopora subnodosa (c)	
Heterotrypa prolifica (a)	Leptaena rhomboidalis (r)
subramosa (c)	
Homotrypa austini (a)	Cyclonema bilix (r)
Homotrypa communis (r)	bilix fluctuatum (r)
flabellaris (r)	
cf. flabellaris spinifera (c)	Orthoceras sp. (r)
Homotrypella hospitalis (c)	
Peronopora pavonia (c)	Calymene callicephala (r)
Rhombotrypa quadrata (a)	

*Fauna of Cut 15, 0-45 Feet Above Railroad. Middle and Upper Waynesville.*

Streptelasma rusticum (a)	Crania laelia (r)
	scabiosa (c)
Cornulites richmondensis (c)	Dalmanella meeki (a)
sp. (a)	Hebertella insculpta (a)
	occidentalis (r)
Arthropora shafferi (a)	sinuata (c)
Batostoma varians (a)	Leptaena rhomboidalis (a)
Bernicea primitiva (c)	Platystrophia laticosta (c)
Bythopora delicatula (a)	Rafinesquina alternata (a)
meeki (a)	alternata loxorhytis (c)
striata (r)	Rhynchotrema capax (c)
Ceramoporella granulosa (c)	Strophomena planumbona (c)
ohioensis (r)	
Constellaria polystomella (r)	Byssonychia obesa (r)
Dicranopora emacerata (c)	radiata (r)
Eridotrypa simulatrix (a)	richmondensis (c)
Fenestella granulosa (r)	sp. (c)
Hallopora subnodosa (c)	Modiolodon truncatus (r)
Heterotrypa prolifica (a)	Opisthoptera casei (r)
subramosa (a)	Pterinea demissa (r)
Homotrypa austini (a)	
communis (c)	Cyclonema bilix (c)
dawsoni (c)	Cyclora minuta (r)
flabellaris (a)	
cf. flabellaris spinifera (a)	Orthoceras sp. (c)
Homotrypella hospitalis (a)	
Nicholsonella vaupeli (c)	Calymene callicephala (c)
Peronopora pavonia (c)	Isotelus maximus (a)
Proboscina frondosa (r)	Ostracoda, unidentified (c)
Rhombotrypa quadrata (a)	
Stomatopora arachnoidea (c)	Lepidocoleus jamesi (r)

*Fauna of Cut 15, 30-45 Feet Above Railroad. Top of Waynesville.*

Streptelasma rusticum (r)	Batostoma prosseri (r)
	Bythopora delicatula (r)
Arthropora shafferi (c)	meeki (r)

Constellaria limitaris (c)	Dinorthis subquadrata (c)
Dicranopora emacerata (r)	Hebertella insculpta (a)
Eridotrypa simulatrix (c)	occidentalis (c)
Fenestella granulosa (r)	sinuata (c)
Hallopora subnodosa (c)	Platystrophia laticosta (r)
Heterotrypa prolifica (r)	Rafinesquina alternata (c)
subramosa (r)	Rhynchotrema capax (c)
Homotrypa austini (r)	Strophomena planumbona (c)
richmondensis (r)	Zygospira modesta (r)
wortheni (r)	
Homotrypella hospitalis (c)	Cyclonema bilix (r)
Nicholsonella vaupeli (c)	
Rhombotrypa quadrata (r)	
subquadrata (r)	

*Fauna of Cut 16, 5-15 Feet Above Railroad (South End of Cut). Top of Waynesville.*

Streptelasma rusticum (c)	Platystrophia laticosta (r)
	Rafinesquina alternata (c)
Arthropora shafferi (c)	Rhynchotrema capax (c)
Bythopora delicatula (a)	Strophomena planumbona (a)
meeki (r)	Zygospira modesta (c)
striata (c)	
Ceramoporella ohioensis (c)	Pterinea demissa (r)
Dicranopora emacerata (r)	
Eridotrypa simulatrix (c)	Cyclonema bilix fluctuatum (r)
Hallopora subnodosa (c)	
Homotrypa nodulosa (r)	Orthoceras sp. (r)
Homotrypella hospitalis (r)	
Rhombotrypa quadrata (r)	Calymene callicephala (c)
	Isotelus maximus (a)
Hebertella occidentalis (r)	
sinuata (c)	Ceratopsis chambersi (r)
Leptaena rhomboidalis (aa)	Leperditia caecigena (r)
Platystrophia acutilirata (r)	

*Fauna of Cut 16, North End, 0-10 Feet Above Railroad. Base of Liberty.*

Protarea vetusta (a)	Homotrypa austini (a)
Streptelasma rusticum (a)	cylindrica (r)
	ramulosa (c)
Amplexopora pumila (c)	richmondensis (r)
Bernicea primitiva (r)	wortheni (r)
Bythopora delicatula (r)	Homotrypella hospitalis (r)
meeki (c)	Proboscina frondosa (r)
Constellaria polystomella (a)	Rhombotrypa quadrata (a)
Hallopora cf. ramosa (a)	Stomatopora arachnoidea (c)
subnodosa (a)	

Dinorthis subquadrata (a)	Rhynchotrema capax (aa)
Hebertella insculpta (c)	Strophomena planumbona (aa)
occidentalis (r)	Zygospira modesta (a)
sinuata (r)	
Plectambonites sericeus (aa)	Calymene callicephala (r)
Rafinesquina alternata (c)	Isotelus maximus (r)

*Fauna of Cut 16, North End, 0-25 Feet Above Railroad. All Above PLECTAMBONITES Layer. Lower Liberty.*

Protarea vetusta (c)	Stomatopora arachnoidea (r)
Streptelasma divaricans (r)	Crania laelia (r)
rusticum (a)	Dinorthis subquadrata (a)
	Hebertella insculpta (c)
Cornulites richmondensis (c)	occidentalis (a)
	sinuata (r)
Amplexopora granulosa (a)	Platystrophia laticosta (r)
Bernicea primitiva (r)	Plectambonites sericeus (c)
Bythopora meeki (a)	Rafinesquina alternata (a)
Hallopora cf. ramosa (c)	Rhynchotrema capax (aaa)
subnodosa (a)	Strophomena planumbona (aa)
Homotrypa austini (aa)	sulcata (r)
richmondensis (r)	vetusta (r)
Homotrypella hospitalis (r)	
rustica (r)	Pterinea demissa (r)
Proboscina anuloporoides (r)	
Rhombotrypa quadrata (a)	Calymene callicephala (r)
subquadrata (r)	Isotelus maximus (r)

*Fauna of Cut 16, PLECTAMBONITES Layer and Above. Liberty.*

Protarea vetusta (r)	wortheni (r)
Streptelasma rusticum (c)	wortheni prominens (r)
	Rhombotrypa quadrata (r)
Cornulites richmondensis (r)	
	Crania laelia (r)
Amplexopora granulosa (r)	Hebertella insculpta (c)
pumila (r)	occidentalis (r)
Arthropora shafferi (aa)	sinuata (c)
Bythopora delicatula (a)	Dinorthis subquadrata (c)
meeki (aa)	Platystrophia laticosta (r)
striata (r)	Plectambonites sericeus (aaa)
Ceramoporella ohioensis (r)	Rafinesquina alternata (c)
Constellaria polystomella (r)	Rhynchotrema capax (aa)
Dicranopora emacerata (c)	Strophomena planumbona (aa)
Hallopora cf. ramosa (a)	vetusta (r)
subnodosa (a)	
Homotrypa austini (aa)	Byssonychia richmondensis (r)
nodulosa (r)	sp. (r)
ramulosa (r)	Pterinea demissa (c)
richmondensis (r)	

Pelecypoda, unidentified (aa)	Endoceras proteiforme (r)
Conradella dyeri (r)	Primitia cincinnatiensis (r)
Cyclonema sp. (r)	Calymene callicephala (a)
Cyrtoceras amoenum (r)	Isotelus maximus (a)

*Fauna of Cut 16, 15-45 Feet Above Railroad. Liberty.*

Calapoecia cribriformis (r)	Hebertella occidentalis (c)
Columnaria alveolata (r)	sinuata (r)
Streptelasma rusticum (c)	Dinorthis subquadrata (c)
	Plectambonites sericeus (aa)
Arthropora shafferi (aa)	Rafinesquina alternata (c)
Bythopora delicatula (c)	Rhynchotrema capax (a)
striata (c)	Strophomena planumbona (a)
Dicranopora emacerata (c)	vetusta (c)
Hallopora subnodosa (c)	Zygospira modesta (r)
Homotrypa austini (r)	
Homotrypella hospitalis (r)	Cyclora minuta (r)
Mesotrypa patella (r)	
Crania laelia (r)	Calymene callicephala (a)
Hebertella insculpta (r)	Isotelus maximus (r)

*Fauna of Cut 17, Ditch East of Railroad. Lower Liberty.*

Protarea vetusta (c)	Rhombotrypa quadrata (c)
Streptelasma rusticum (c)	Dinorthis subquadrata (c)
Amplexopora granulosa (r)	Hebertella occidentalis (c)
pumila (r)	Rafinesquina alternata (c)
Arthropora shafferi (r)	Rhynchotrema capax (c)
Bythopora delicatula (r)	Strophomena planumbona (a)
meeki (c)	planumbona subtenta (r)
Dicranopora emacerata (r)	vetusta (r)
Hallopora cf. ramosa (c)	Zygospira modesta (r)
subnodosa (c)	
Homotrypa austini (a)	Pterinea demissa (r)
cylindrica (r)	
wortheni (r)	Isotelus maximus (r)
Homotrypella rustica (c)	

*Fauna of Cut 17, South End, Lower 10 Feet. Middle Liberty.*

Calapoecia cribriformis (r)	Hallopora cf. ramosa (r)
Protarea vetusta (c)	subnodosa (c)
Tetradium minus (r)	Homotrypa austini (c)
	communis (c)
Arthropora shafferi (c)	wortheni prominens (r)
Bythopora delicatula (a)	Rhombotrypa quadrata (r)
meeki (a)	Stigmatella incrustans (r)
striata (r)	

Hebertella inculpata (r)	Byssonychia richmondensis (r)
Rafinesquina alternata (c)	
Rhynchotrema capax (c)	Orthoceras sp. (r)
Strophomena planumbona (c)	
Zygospira modesta (c)	Isotelus maximus (c)

*Fauna of Cut 17, North End, 5-29 Feet Above Railroad, Upper Liberty.*

Protarea vetusta (c)	Hebertella occidentalis (r)
Streptelasma rusticum (r)	Platystrophia laticosta (r)
	Plectambonites sericeus (r)
Artthropora shafferi (c)	Rafinesquina alternata (c)
Bythopora delicatula (a)	Rhynchotrema capax (a)
striata (r)	Strophomena planumbona (c)
Dicranopora emacerata (c)	planumbona subtenta (r)
Hallopora cf. ramosa (c)	sulcata (c)
subnodosa (a)	vetusta (c)
Homotrypa austini (c)	Zygospira modesta (a)
richmondensis (r)	
wortheni (r)	Opisthoptera casei (r)
Monticulipora epidermata (r)	Pterinea demissa (c)
Peronopora pavonia (r)	
Rhombotrypa quadrata (r)	Isotelus miximus (c)

*Fauna of Cut 17, Upper 10 Feet, North End, Upper Liberty.*

Protarea vetusta (c)	Hebertella occidentalis (r)
Streptelasma rusticum (c)	Platystrophia laticosta (c)
	Rafinesquina alternata (c)
Bythopora delicatula (r)	Rhynchotrema capax (c)
meeki (a)	Strophomena planumbona (a)
Hallopora cf. ramosa (c)	Zygospira modesta (r)
subnodosa (a)	
Helopora sp. (r)	Byssonychia richmondensis (r)
Homotrypa communis (c)	
cylindrica (r)	Orthoceras bilineatum (r)
wortheni (r)	
wortheni prominens (r)	Isotelus maximus (c)
Monticulipora epidermata (r)	
Rhombotrypa quadrata (r)	Primitia cincinantiensis (r)

*Fauna of Cut 18, Above TETRADIMUM Layer, Whitewater.*

Streptelasma rusticum (r)	Hallopora cf. ramosa (r)
	Homotrypa constellariformis (c)
Lichenocrinus tuberculatus (r)	cylindrica (a)
	nitida (r)
Cornulites sp. (a)	Homotrypa ramulosa (r)
	wortheni (a)
Batostoma variabile (aa)	
Bythopora delicatula (aa)	Monticulipora epidermata (r)
meeki (aa)	Hebertella occidentalis (c)

Platystrophia laticosta (c)	Pterinea demissa (c)
Strophomena sulcata (a)	
	Orthoceras byrnesi (c)
Byssonychia sp. (r)	mohri (r)

*Fauna of Cut 18, Above Heavy Limestone, Whitewater.*

Streptelasma divaricans (r)	Monticulipora epidermata (r)
Tetradium minus (r)	
	Hebertella occidentalis (r)
Arthropora shafferi (r)	Platystrophia laticosta (r)
Batostoma variabile (r)	Strophomena sulcata (r)
Bernicea primitiva (r)	
Bythopora delicatula (r)	Pterinea demissa (r)
Dicranopora emacerata (r)	
Halopora subnodosa (r)	Endoceras proteiforme (r)
Helopora sp. (r)	
Homotrypa austini (r)	Primitia cincinnatiensis (c)
Homotrypella hospitalis (r)	

*Fauna of Cut 18, Upper Part, Whitewater.*

Streptelasma divaricans (r)	Hebertella occidentalis (c)
rusticum (r)	Platystrophia laticosta (c)
	Rhynchotrema capax (r)
Batostoma variabile (a)	Strophomena sulcata (a)
Bythopora delicatula (aaa)	
meeki (c)	Byssonychia richmondensis (c)
Homotrypa austini (a)	Ischyrodonta ovalis (r)
cylindrica (a)	
wortheni (c)	Orthoceras bilineatum (r)
Homotrypella hospitalis (r)	byrnesi (r)
Monticulipora epidermata (r)	

*Fauna of Cut 18, Dump, Whitewater.*

Protarea vetusta (r)	Hebertella occidentalis (c)
Streptelasma rusticum (c)	Platystrophia laticosta (r)
Tetradium minus (r)	Strophomena sulcata (r)
Batostoma variabile (aa)	Byssonychia obesa (r)
Bythopora delicatula (r)	richmondensis (c)
meeki (r)	Ortonella hainesi (r)
Homotrypa austini (r)	Pterinea demissa (r)
constellariformis (aa)	
nicklesi (a)	Orthoceras byrnesi (c)
nitida (a)	
ramulosa (a)	Ostracoda, unidentified (c)



*Fauna of Cut 18, All. Whitewater.*

Streptelasma rusticum (r)	Monticulipora epidermata (r)
Atactoporella schucherti (r)	Hebertella occidentalis (c)
Batostoma variable (aa)	Platystrophia laticosta (c)
Bythopora delicatula (r)	Rafinesquina alternata (r)
Homotrypa cylindrica (c)	Strophomena sulcata (c)
nicklesi (r)	
richmondensis (r)	Byssonychia richmondensis (c)
wortheni (c)	Pterinea demissa (r)
Homotrypella hospitalis (r)	
	Leperditia caecigena (aa)

Detailed faunal lists of Section 5.9A, on the Kentucky bank of the Ohio River, opposite the mouth of the Miami River.\*

*Fauna of Section 5.9A, 50 Feet Above River. Lower Southgate.*

Cornulites flexuosus (c)	Zygospira modesta (c)
Aspidopora newberryi (c)	Calymene callicephala (r)
Peronopora vera (r)	Isotelus maximus (c)
Stigmatella clavis (r)	Trinucleus concentricus (a)
Crania albersi (r)	Ceratopsis chambersi (r)
Dalmanella multisecta (a)	
Zygospira cincinnatiensis (c)	Lepidocoleus jamesi (c)

*Fauna of Section 5.9A, 50-55 Feet Above River. Lower Southgate.*

Batostoma implicatum (c)	Plectambonites sericeus (c)
jamesi (a)	Zygospira modesta (c)
Ceramoporella ohioensis (r)	
Hallopora onealli (c)	Calymene callicephala (c)
onealli communis (r)	
onealli sigillarioides (r)	Bythocypris cylindrica (c)
Dalmanella multisecta (a)	

*Fauna of Section 5.9A, 55-60 Feet Above River. Lower Southgate.*

Climacograptus typicalis (a)	Zygospira modesta (r)
	Byssonychia radiata (r)
Bythopora arctipora (r)	
Hallopora onealli (r)	Lophospira sp. (r)
Phylloporina variolata (r)	
Stigmatella clavis (r)	Isotelus maximus (c)
	Trinucleus concentricus (a)
Dalmanella multisecta (c)	
Trematis millepunctata (r)	Lepidocoleus jamesi (r)

\* When the collections were made, upon which the following faunal lists are based, the stage of water of the Ohio was about 15 feet above low water stage at Lawrenceburg.

*Fauna of Section 5.9.A, 60-70 Feet Above River. Lower Southgate.*

Climacograptus typicalis (a)	Zygospira modesta (r)
Cornulites flexuosus (c)	Acidaspis cf. crosotus (c)
Aspidopora eccentrica (a)	Calymene callicephala (c)
Hallopora onealli (r)	Isotelus maximus (a)
Dalmanella multisepta (c)	Bythocypris cylindrica (a)
Lingula covingtonensis (r)	Ctenobolbina ciliata (r)
Zygospira cincinnatiensis (r)	Lepidocoleus jamesi (c)

*Fauna of Section 5.9.A, 70-75 Feet Above River. Southgate.*

Climacograptus typicalis (a)	Byssonychia radiata (r)
Cornulites flexuosus (r)	Pterinea cf. mucronata (r)
Amplexopora petasiformis welchi (r)	Acidaspis sp. (c)
Aspidopora eccentrica (r)	Calymene callicephala (r)
Batostoma jamesi (r)	Dalmanites breviceps (c)
Coeloclema alternatum (r) commune (r)	Isotelus maximus (c)
Hallopora onealli (r)	Proetus spurlocki (r)
Peronopora vera (r)	Bollia pumila (r)
Dalmanella multisepta (c)	Bythocypris cylindrica (aa)
Zygospira cincinnatiensis (c) modesta (c)	Ceratopsis chambersi (c)
	Ctenobolbina ciliata (c)
	Lepidocoleus jamesi (r)

*Fauna of Section 5.9.A, 75-80 Feet Above River. Southgate.*

Climacograptus typicalis (a)	Hallopora onealli (a)
Cornulites flexuosus (r)	onealli communis (r)
Amplexopora petasiformis welchi (r)	onealli sigillarioides (c)
Arthropora cleavelandi (r) shafferi (c)	Heterotrypa ulrichi (c)
Arthrostylus tenuis (a)	Peronopora vera (r)
Batostoma implicatum (c) jamesi (c)	Phylloporina variolata (r)
Bernicea vesiculosa (r)	Rhinidictya parallela (r)
Bythopora arctipora (a)	Dalmanella emacerata (r)
Ceramoporella distincta (r) ohioensis (r)	multisepta (c)
Coeloclema alternatum (c) commune (c)	Lingula modesta (r)
Dicranopora meeki (r)	Plectambonites sericeus (c)
	Rafinesquina alternata (r)
	Zygospira cincinnatiensis (c) modesta (c)
	Byssonychia radiata (r)

Acidaspis sp. (c)	Ceratopsis chambersi (r)
Calymene callicephala (r)	Ctenobolbina ciliata (a)
Isotelus maximus (c)	Leperditia cf. caecigena (c)

Bollia pumila (r)	Lepidocoleus jamesi (c)
Bythocypris cylindrica (aaa)	

*Fauna of Section 5.9A, 70-85 Feet Above River. Southgate.*

Cornulites flexuosus (r)	Stictoporella flexuosa (c)
	Stigmatella clavis (r)
Amplexopora petasiformis welchi (r)	Stomatopora arachnoidea (r)
Arthropora shafferi (r)	Crania albersi (r)
Arthrostylus tenuis (c)	Dalmanella multisecta (a)
Aspidopora eccentrica (c)	Plectambonites sericeus (a)
Batostoma implicatum (c)	Rafinesquina alternata (r)
jamesi (r)	Zygospira modesta (r)
Bythopora arcipora (a)	
parvula (r)	Acidaspis sp. (c)
Ceramoporella distincta (r)	Calymene callicephala (r)
Coeloclema alternatum (r)	Isotelus maximus (c)
commune (r)	Trinucleus concentricus (r)
Dicranopora meeki (r)	
Escharopora acuminata (r)	Bollia persulcata (r)
Hallopora onealli (c)	pumila (r)
onealli communis (r)	Bythocypris cylindrica (c)
onealli sigillarioides (c)	Ctenobolbina ciliata (r)
Peronopora vera (r)	Leperditia caecigena (c)
Proboscina confusa (r)	
Rhinidictya parallela (c)	Lepidocoleus jamesi (c)

*Fauna of Section 5.9A, 110 Feet Above River. Southgate.*

Batostoma jamesi (c)	Zygospira modesta (r)
Bythopora arcipora	
Ceramoporella ohioensis (c)	Cladophorus sp. (r)
Hallopora onealli (c)	Homotoma gracilis (r)
Heterotrypa ulrichi (r)	
Peronopora vera (r)	Trinucleus concentricus (c)
Dalmanella multisecta (r)	Bythocypris cylindrica (c)
Zygospira circumatiensis (r)	

*Fauna of Section 5.9A, 125 Feet Above River. Base of McMicken.*

Cornulites flexuosus (c)	Batostoma implicatum (c)
	jamesi (c)
Amplexopora septosa multispinosa (c)	Bythopora arcipora (c)
	parvula (r)
Arthropora shafferi (c)	Ceramoporella distincta (r)
Aspidopora eccentrica (r)	ohioensis (r)

Coeloclema alternatum (a)	Rafinesquina alternata (r)
commune (a)	Trematis millepunctata (r)
Hallopora nodulosa (c)	Zygospira cincinnatiensis (c)
onealli (a)	modesta (c)
onealli communis (r)	
onealli sigillarioides (c)	Byssonychia radiata (r)
Heterotrypa ulrichi (a)	
Peronopora vera (c)	Acidaspis sp. (c)
Rhinidictya parallela (r)	Calymene callicephala (c)
Stigmatella clavis (r)	Isotelus maximus (c)
Stomatopora arachnoidea (r)	

PART III. COMPLETE REVISED LIST OF SPECIES REPORTED FROM THE CINCINNATI SERIES OF INDIANA, WITH THEIR HORIZONS, SO FAR AS KNOWN.\*

SPONGIÆ AND COELENTERATA.

1. *Beatricea nodulosa* Billings. Saluda.
2. *Beatricea undulata* Billings. Saluda.
3. \**Calapoezia cribriformis* (Nicholson). Liberty.
4. \**Climacograptus typicalis* Hall. Southgate.
5. \**Columnaria alveolata* Goldfuss. Upper Waynesville, Liberty and Saluda.
6. *Dystactospongia madisonensis* Foerste. Saluda.
7. *Labechia montifera* Ulrich. Upper Richmond.
8. \**Protarea vetusta* (Hall). Waynesville, Liberty, Saluda and Whitewater.
9. *Strephochetus richmondensis* (Miller). Whitewater.
10. \**Streptelasma divaricans* (Nicholson). Upper Waynesville, Liberty and Whitewater.
11. \**Streptelasma rusticum* (Billings). Waynesville, Liberty, Saluda and Whitewater.
12. \**Tetradium minus* Safford. Saluda and Whitewater.

ECIPIINODERMATA.

13. *Anomalocrinus incurvus* Meek and Worthen. Richmond (?).
14. *Dendrocrinus casei* Meek. Richmond.
15. *Dendrocrinus polydactylus* (Shumard). Richmond.
16. *Etenocrinus simplex* (Hall). Richmond.
17. \**Glyptocrinus decadactylus* Hall. Waynesville.
18. *Heterocrinus juvenis* Hall. Lower Richmond.
19. *Heterocrinus heterodactylus* Hall. Eden and Maysville.
20. \**Ioerinus subcrassus* Meek and Worthen. Southgate, Richmond (?).
21. *Lepadocrinus moorei* (Meek). Richmond.
22. *Lepidodiscus faberi* Miller. Richmond.
23. *Lichenocrinus crateriformis* Hall. Eden, Richmond (?).

\* The species marked by an asterisk are found in the Tanner's Creek Section.