Appendix A

Taxonomic List of Benthic Macrofauna Identified from Monitoring Samples

Taxonomic List of Benthic Macrofauna Identified from Monitoring Samples

ORG NUM	PHYLUM	FAMILY	GENUS	SPECIES	FULL TAXONOMIC NAME
000	NONE	NONE	NONE	NONE	NOTHING IN SAMPLE
100	CNID	HYDR	HYDR	SP A	CNIDARIA HYDRIDAE HYDRA SPECIES A
101	PLAT	PLAN	DUGE	TIGR	PLATYHELMINTHES PLANARIIDAE DUGESIA TIGRINA
103	PLAT	UNKN	TRIC	SP A	PLATYHELMINTHES UNKNOWN UID TRICLAD SPECIES A
105	PLAT	UNKN	TRIC	SP B	PLATYHELMINTHES UNKNOWN UID TRICLAD SPECIES B
107	PLAT	UNKN	TRIC	SP C	PLATYHELMINTHES UNKNOWN UID TRICLAD SPECIES C
109	PLAT	UNKN	TURB	SP A	PLATYHELMINTHES UNKNOWN MICROTURBELLARIAN SPECIES A
111	NEME	UNKN	PALE	SP A	NEMERTEA UNKNOWN UID PALEONEMERTEAN SPECIES A
113	NEME	TERT	PROS	GRAE	NEMERTEA TERTASTEMMATIDAE PROSTOMA GRAECENSE
115	NEME	UNKN	NEME	SP A	NEMERTEA UNKNOWN UID NEMERTEAN SPECIES A
121	NEMA	PLEC	TERA	SP A	NEMATODA PLECTIDAE TERATOCEPHALUS SPECIES A
123	NEMA	DORY	DORY	SP A	NEMATODA DORYLAIMIDAE DORYLAIMUS SPECIES A
125	NEMA	DORY	EUDO	SP A	NEMATODA DORYLAIMIDAE EUDORYLAIMUS SPECIES A
127	NEMA	DORY	ACTI	SP A	NEMATODA DORYLAIMIDAE UID ACTINOLAIMINAE SPECIES A
129	NEMA	UNKN	NEMA	SP A	NEMATODA UNKNOWN UID NEMATODA SPECIES A
201	ANNE	NAID	BRAT	BILO	ANNELIDA NAIDIDAE BRATISLAVIA BILONGATA
203	ANNE	NAID	CHAE	DIAP	ANNELIDA NAIDIDAE CHAETOGASTER DIAPHANUS
205	ANNE	NAID	CHAE	LIMI	ANNELIDA NAIDIDAE CHAETOGASTER LIMNAEI
207	ANNE	NAID	DERO	DIGI	ANNELIDA NAIDIDAE DERO DIGITATA
209	ANNE	NAID	DERO	TRIF	ANNELIDA NAIDIDAE DERO TRIFIDA
211	ANNE	NAID	NAIS	COMM	ANNELIDA NAIDIDAE NAIS COMMUNIS/VARIABILIS
213	ANNE	NAID	NAIS	PARD	ANNELIDA NAIDIDAE NAIS PARDALIS
215	ANNE	NAID	NAIS	PSEU	ANNELIDA NAIDIDAE NAIS PSEUDOBTUSA
217	ANNE	NAID	NAIS	SIMP	ANNELIDA NAIDIDAE NAIS SIMPLEX
219	ANNE	NAID	OPHI	SERP	ANNELIDA NAIDIDAE OPHIDONAIS SERPENTINA
221	ANNE	NAID	PARN	FRIC	ANNELIDA NAIDIDAE PARANAIS FRICI
223	ANNE	NAID	PRIS	BREV	ANNELIDA NAIDIDAE PRISTINA BREVISETA
225	ANNE	NAID	PRIS	LONS	ANNELIDA NAIDIDAE PRISTINA LONGISETA
227	ANNE	NAID	SLAV	APPE	ANNELIDA NAIDIDAE SLAVINA APPENDICULATA
229	ANNE	NAID	STYL	LACU	ANNELIDA NAIDIDAE STYLARIA LACUSTRIS
231	ANNE	NAID	VEJD	COMA	ANNELIDA NAIDIDAE VEJDOVSKYELLA COMATA
233	ANNE	NAID	VEJD	INTE	ANNELIDA NAIDIDAE VEJDOVSKYELLA INTERMEDIA
241	ANNE	TUBI	AULO	LIMM	ANNELIDA TUBIFICIDAE AULODRILUS LIMNOBIUS
243	ANNE	TUBI	AULO	PIGU	ANNELIDA TUBIFICIDAE AULODRILUS PIGUETI
245	ANNE	TUBI	AULO	PLUR	ANNELIDA TUBIFICIDAE AULODRILUS PLURISETA
247	ANNE	TUBI	BOTH	VEJO	ANNELIDA TUBIFICIDAE BOTHRIONEURUM VEJDOVSKYANUM
249	ANNE	TUBI	BRAN	SOWE	ANNELIDA TUBIFICIDAE BRANCHIURA SOWERBYI
251	ANNE	TUBI	ILYO	FRAT	ANNELIDA TUBIFICIDAE ILYODRILUS FRANTZI CAPILLATUS
253	ANNE	TUBI	ILYO	TEMP	ANNELIDA TUBIFICIDAE ILYODRILUS TEMPLETONI
255	ANNE	TUBI	LIMO	HOFF	ANNELIDA TUBIFICIDAE LIMNODRILUS HOFFMEISTERI
257	ANNE	TUBI	LIMO	UDEK	ANNELIDA TUBIFICIDAE LIMNODRILUS UDEKEMIANUS
259	ANNE	TUBI	POTX	BAVA	ANNELIDA TUBIFICIDAE POTAMOTHRIX BAVARICUS
261	ANNE	TUBI	PSAM	CALF	ANNELIDA TUBIFICIDAE PSAMMORYCTIDES CALIFORNIANUS
263	ANNE	TUBI	QUIS	MULT	ANNELIDA TUBIFICIDAE QUISTADRILUS MULTISETOSUS
265	ANNE	TUBI	SPIR	FERO	ANNELIDA TUBIFICIDAE SPIROSPERMA FEROX
267	ANNE	TUBI	TENE	MAST	ANNELIDA TUBIFICIDAE TENERIDRILUS MASTIX

ORG NUM	PHYLUM	FAMILY	GENUS	SPECIES	FULL TAXONOMIC NAME
269	ANNE	TUBI	TUBF	BROW	ANNELIDA TUBIFICIDAE TUBIFICOIDES BROWNAE
271	ANNE	TUBI	TUBF	FRAS	ANNELIDA TUBIFICIDAE TUBIFICOIDES FRASERI
272	ANNE	TUBI	TUBF	SP A	ANNELIDA TUBIFICIDAE TUBIFICOIDES SPECIES A
273	ANNE	TUBI	VARI	ANGU	ANNELIDA TUBIFICIDAE VARICHAETADRILUS ANGUSTIPENIS
275	ANNE	TUBI	TUBD	SP A	ANNELIDA TUBIFICIDAE UID TUBIFICID SPECIES A
277	ANNE	ENCH	ENCH	SP A	ANNELIDA ENCHYTRAEIDAE UID ENCHYTRAEID SPECIES A
279	ANNE	ENCH	ENCH	SP B	ANNELIDA ENCHYTRAEIDAE UID ENCHYTRAEID SPECIES B
281	ANNE	GLOS	SPAR	EISE	ANNELIDA GLOSSOSCOLECIDAE SPARGANOPHILUS EISENI
283	ANNE	MEGA	MEGA	SP A	ANNELIDA MEGASCOLECIDAE UID MEGASCOLECID SPECIES A
285	ANNE	LUMB	LUBR	VARE	ANNELIDA LUMBRICULIDAE LUMBRICULUS VARIEGATUS
287	ANNE	LUMB	LUBR	SP A	ANNELIDA LUMBRICULIDAE LUMBRICULUS SPECIES A
289	ANNE	BRAN	CAMB	SP A	ANNELIDA BRANCHIOBDELLIDAE CAMBARINCOLA SPECIES A
291	ANNE	GLOP	HELO	STAG	ANNELIDA GLOSSIPHONIIDAE HELOBDELLA STAGNALIS
293	ANNE	GLOP	HELO	TRIS	ANNELIDA GLOSSIPHONIIDAE HELOBDELLA TRISERIALIS
295	ANNE	GLOP	PLAC	MONT	ANNELIDA GLOSSIPHONIIDAE PLACOBDELLA MONTANA
297	ANNE	ERPO	MOOR	MICR	ANNELIDA ERPOBDELLIDAE MOOREOBDELLA MICROSTOMA
301	ANNE	LUMN	LUMN	SP A	ANNELIDA LUMBRINERIDAE LUMBRINERIS SPECIES A
303	ANNE	ORBI	HAPL	ELON	ANNELIDA ORBINIIDAE HAPLOSCOLOPLOS ELONGATUS
305	ANNE	SPIO	BOCC	LIGE	ANNELIDA SPIONIDAE BOCCARDIA LIGERICA
307	ANNE	SPIO	POLD	LIGN	ANNELIDA SPIONIDAE POLYDORA LIGNI
309	ANNE	SPIO	PSED	KEMP	ANNELIDA SPIONIDAE PSEUDOPOLYDORA KEMPI
311	ANNE	SPIO	STRE	BENE	ANNELIDA SPIONIDAE STREBLOSPIO BENEDICTI
313	ANNE	SPIO	SPIO	SP A	ANNELIDA SPIONIDAE UID SPIONID SPECIES A
315	ANNE	CIRR	CIRR	SPIR	ANNELIDA CIRRATULIDAE CIRRIFORMIA SPIRABRANCHA
317	ANNE	CAPI	HETE	FILI	ANNELIDA CAPITELLIDAE HETEROMASTUS FILIFORMIS
319	ANNE	MALD	ASYC	ELON	ANNELIDA MALDANIDAE ASYCHIS ELONGATA
321	ANNE	NEPH	NEPH	CAEC	ANNELIDA NEPHTYIDAE NEPHTYS CAECOIDES
323	ANNE	NEPH	NEPH	CORN	ANNELIDA NEPHTYIDAE NEPHTYS CORNUTA FRANCISCANA
325	ANNE	PHYL	ETEO	CALI	ANNELIDA PHYLLODOCIDAE ETEONE CALIFORNICA
327	ANNE	PHYL	ETEO	LIGH	ANNELIDA PHYLLODOCIDAE ETEONE LIGHTI
329	ANNE	SYLL	SPHR	CALI	ANNELIDA SYLLIDAE SPHAEROSYLLIS CALIFORNIENSIS
331	ANNE	POLY	HARM	IMBR	ANNELIDA POLYNOIDAE HARMOTHOE IMBRICATA
333	ANNE	NERE	NERI	LIMN	ANNELIDA NEREIDAE NEREIS LIMNICOLA
335	ANNE	NERE	NERI	PROC	ANNELIDA NEREIDAE NEREIS PROCERA
337	ANNE	NERE	NERI	SUCC	ANNELIDA NEREIDAE NEREIS SUCCINEA
339	ANNE	GONI	GLYC	ARMI	ANNELIDA GONIADIDAE GLYCINDE ARMIGERA
341	ANNE	SABE	FABR	BERK	ANNELIDA SABELLIDAE FABRICIA BERKELEYI
343	ANNE	SABE	MANA	SPEC	ANNELIDA SABELLIDAE MANAYUNKIA SPECIOSA
345	ANNE	SABE	POTM	SP A	ANNELIDA SABELLIDAE POTAMILLA SPECIES A
401	ARTH	CYPR	EUCY	SP A	ARTHROPODA CYPRIDIDAE EUCYPRIS SPECIES A
403	ARTH	CYPR	ISOC	SP A	ARTHROPODA CYPRIDIDAE ISOCYPRIS SPECIES A
405	ARTH	CAND	CAND	SP A	ARTHROPODA CANDONIDAE CANDONA SPECIES A
407	ARTH	CYLI	SARS	ZOST	ARTHROPODA CYLINDROLEBERIDIDAE SARSIELLA ZOSTERICOLA
409	ARTH	CYTH	CYPR	SP A	ARTHROPODA CYTHERIDAE CYPRIDEIS SPECIES A
411	ARTH	MYSI	NEOM	MERC	ARTHROPODA MYSIDAE NEOMYSIS MERCEDIS
415	ARTH	BALA	BALA	IMPR	ARTHROPODA BALANIDAE BALANUS IMPROVISUS
421	ARTH	NANN	CUME	VULG	ARTHROPODA NANNASTACIDAE CUMELLA VULGARIS
423	ARTH	LEUC	HEMI	HINU	ARTHROPODA LEUCONIDAE HEMILEUCON HINUMENSIS
427	ARTH	TANA	TANA	SP A	ARTHROPODA TANAIDAE TANAIS SPECIES A
431	ARTH	IDOT	SYNI	LATI	ARTHROPODA IDOTEIDAE SYNIDOTEA LATICAUDA
433	ARTH	ASEL	ASEL	OCCI	ARTHROPODA ASELLIDAE ASELLUS OCCIDENTALIS

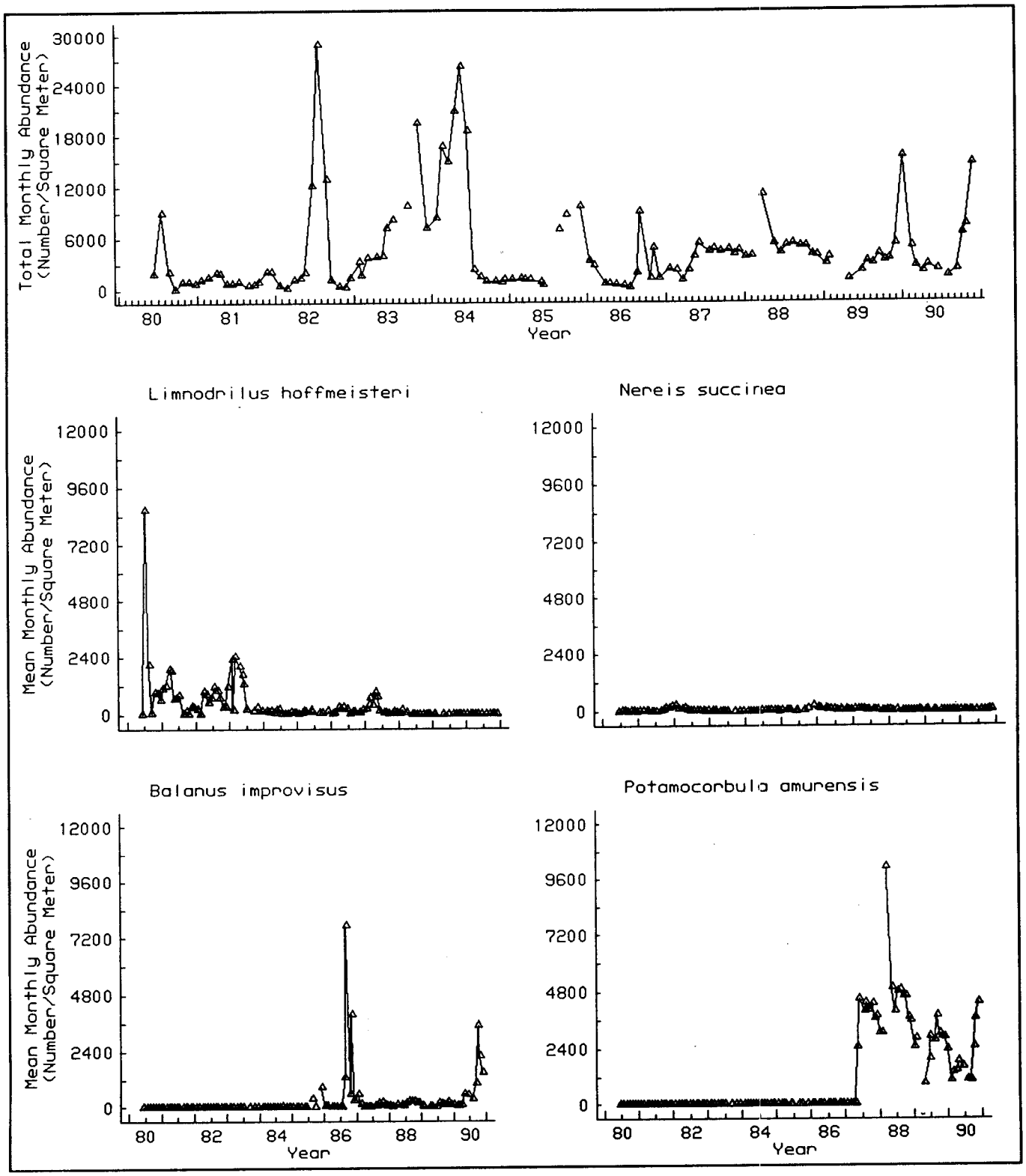
ORG NUM	PHYLUM	FAMILY	GENUS	SPECIES	FULL TAXONOMIC NAME
435	ARTH	SPHA	GNOR	INSU	ARTHROPODA SPHAEROMATIDAE GNORIMOSPHAEROMA INSULARE
437	ARTH	SPHA	GNOR	OREG	ARTHROPODA SPHAEROMATIDAE GNORIMOSPHAEROMA OREGONENSIS
439	ARTH	SPHA	SPRO	PENT	ARTHROPODA SPHAEROMATIDAE SPHAEROMA PENTODON
441	ARTH	MUNN	MUNN	SP A	ARTHROPODA MUNNIDAE UID MUNNID SPECIES A
451	ARTH	AMPE	AMPE	ABDI	ARTHROPODA AMPELISCIDAE AMPELISCA ABDITA
453	ARTH	CORO	CORO	ACHE	ARTHROPODA COROPHIIDAE COROPHIUM ACHERUSICUM
455	ARTH	CORO	CORO	ALIE	ARTHROPODA COROPHIIDAE COROPHIUM ALIENENSE
457	ARTH	CORO	CORO	INSI	ARTHROPODA COROPHIIDAE COROPHIUM INSIDIOSUM
459	ARTH	CORO	CORO	OAKL	ARTHROPODA COROPHIIDAE COROPHIUM OAKLANDENSE
461	ARTH	CORO	CORO	SPIN	ARTHROPODA COROPHIIDAE COROPHIUM SPINICORNE
463	ARTH	CORO	CORO	STIM	ARTHROPODA COROPHIIDAE COROPHIUM STIMPSONI
465	ARTH	CORO	CORO	HETE	ARTHROPODA COROPHIIDAE COROPHIUM HETEROCERATUM
467	ARTH	CORO	GRAN	JAPO	ARTHROPODA COROPHIIDAE GRANDIDIERELLA JAPONICA
471	ARTH	PHOX	PARX	MILL	ARTHROPODA PHOXOCEPHALIDAE PARAPHOXUS MILLERI
473	ARTH	PLEU	PARP	PUGE	ARTHROPODA PLEUSTIDAE PARAPLEUSTES PUGETTENSIS
475	ARTH	GAMM	GAMM	DAIB	ARTHROPODA GAMMARIDAE GAMMARUS DAIBERI
477	ARTH	GAMM	MELI	NITI	ARTHROPODA GAMMARIDAE MELITA NITIDA
479	ARTH	GAMM	ELAS	ANTE	ARTHROPODA GAMMARIDAE ELASMOPUS ANTENNATUS
481	ARTH	TALI	HYAL	AZTE	ARTHROPODA TALITRIDAE HYALELLA AZTECA
483	ARTH	CAPR	CAPR	SP A	ARTHROPODA CAPRELLIDAE CAPRELLA SPECIES A
487	ARTH	PALA	PALA	MACR	ARTHROPODA PALAEMONIDAE PALAEMON MACRODACTYLUS
489	ARTH	CRAN	CRAN	FRAN	ARTHROPODA CRANGONIDAE CRANGON FRANCISCORUM
491	ARTH	ASTA	PACI	LENI	ARTHROPODA ASTACIDAE PACIFASTACUS LENIUSCULUS
493	ARTH	CALL	UPOG	PUGE	ARTHROPODA CALLIANASSIDAE UPOGEBIA PUGETTENSIS
495	ARTH	XANT	RHIT	HARR	ARTHROPODA XANTHIDAE RHITHROPANOPEUS HARRISII
497	ARTH	GRAP	HEMG	NUDU	ARTHROPODA GRAPSIDAE HEMIGRAPSUS NUDUS
499	ARTH	MAJI	PYRO	TUBE	ARTHROPODA MAJIDAE PYROMAIA TUBERCULATA
501	ARTH	BAET	BAET	BICA	ARTHROPODA BAETIDAE BAETIS BICAUDATUS
503	ARTH	HEPT	HEPT	ROSE	ARTHROPODA HEPTAGENIIDAE HEPTAGENIA ROSEA
505	ARTH	LEPT	PARE	SP A	ARTHROPODA LEPTOPHLEBIIDAE PARALEPTOPHLEBIA SPECIES A
507	ARTH	EPHE	HEXA	LIMB	ARTHROPODA EPHEMERIDAE HEXAGENIA LIMBATA CALIFORNICA
509	ARTH	TRIC	TRYC	SP A	ARTHROPODA TRICORYTHIDAE TRICORYTHODES SPECIES A
511	ARTH	CAEN	CAEN	SIMU	ARTHROPODA CAENIDAE CAENIS SIMULANS
513	ARTH	GOMP	GOMP	OLIV	ARTHROPODA GOMPHIDAE GOMPHUS OLIVACEUS
515	ARTH	COEN	ZONI	EXCL	ARTHROPODA COENAGRIONIDAE ZONIAGRION EXCLAMATIONIS
517	ARTH	NAUC	AMBR	SP A	ARTHROPODA NAUCORIDAE AMBRYSUS SPECIES A
519	ARTH	CORI	CORI	INSC	ARTHROPODA CORIXIDAE CORISELLA INSCRIPTA
521	ARTH	CORI	TRIK	VERT	ARTHROPODA CORIXIDAE TRICHOCORIXA VERTICALIS
523	ARTH	HYDO	HYDO	SP A	ARTHROPODA HYDROPSYCHIDAE HYDROPSYCHE SPECIES A
525	ARTH	HYOP	HYOP	SP A	ARTHROPODA HYDROPTILIDAE HYDROPTILA SPECIES A
527	ARTH	HYOP	OXYE	SP A	ARTHROPODA HYDROPTILIDAE OXYETHIRA SPECIES A
529	ARTH	LEPC	NECT	GRAC	ARTHROPODA LEPTOCERIDAE NECTOPSYCHE GRACILIS
531	ARTH	LEPC	OECE	SP A	ARTHROPODA LEPTOCERIDAE OECETIS SPECIES A
533	ARTH	CHAO	CHAO	ALBA	ARTHROPODA CHAOBORIDAE CHAOBORUS ALBATUS
541	ARTH	CHIR	PROC	SP A	ARTHROPODA CHIRONOMIDAE PROCLADIUS SPECIES A
543	ARTH	CHIR	TANY	STEL	ARTHROPODA CHIRONOMIDAE TANYPUS STELLATUS
545	ARTH	CHIR	ABLA	SP A	ARTHROPODA CHIRONOMIDAE ABLABESMYIA SPECIES A
547	ARTH	CHIR	CLAD	SP A	ARTHROPODA CHIRONOMIDAE CLADOTANYTARSUS SPECIES A
549	ARTH	CHIR	MICR	SP A	ARTHROPODA CHIRONOMIDAE MICROPSECTRA SPECIES A
551	ARTH	CHIR	PARY	SP A	ARTHROPODA CHIRONOMIDAE PARATANYTARSUS SPECIES A
553	ARTH	CHIR	CHIR	ATTE	ARTHROPODA CHIRONOMIDAE CHIRONOMUS ATTENUATUS

ORG NUM	PHYLUM	FAMILY	GENUS	SPECIES	FULL TAXONOMIC NAME
555	ARTH	CHIR	CRYP	SP A	ARTHROPODA CHIRONOMIDAE CRYPTOCHIRONOMUS SPECIES A
557	ARTH	CHIR	CRYP	SP B	ARTHROPODA CHIRONOMIDAE CRYPTOCHIRONOMUS SPECIES B
559	ARTH	CHIR	DEMI	SP A	ARTHROPODA CHIRONOMIDAE DEMICRYPTOCHIRONOMUS SPECIES A
561	ARTH	CHIR	EINF	SP A	ARTHROPODA CHIRONOMIDAE EINFELDIA SPECIES A
563	ARTH	CHIR	ENDO	SP A	ARTHROPODA CHIRONOMIDAE ENDOCHIRONOMUS SPECIES A
565	ARTH	CHIR	ENDO	SP B	ARTHROPODA CHIRONOMIDAE ENDOCHIRONOMUS SPECIES B
567	ARTH	CHIR	HARN	CURT	ARTHROPODA CHIRONOMIDAE HARNISCHIA CURTILAMELLATA
569	ARTH	CHIR	PARA	SP A	ARTHROPODA CHIRONOMIDAE PARACHIRONOMUS SPECIES A
571	ARTH	CHIR	PARC	SP A	ARTHROPODA CHIRONOMIDAE PARACLADOPELMA SPECIES A
573	ARTH	CHIR	PARL	SP A	ARTHROPODA CHIRONOMIDAE PARALAUTERBORNIELLA SPECIES A
575	ARTH	CHIR	PART	SP A	ARTHROPODA CHIRONOMIDAE PARATENDIPES SPECIES A
577	ARTH	CHIR	PHAE	SP A	ARTHROPODA CHIRONOMIDAE PHAENOPSECTRA SPECIES A
579	ARTH	CHIR	POLY	SP A	ARTHROPODA CHIRONOMIDAE POLYPEDILUM SPECIES A
581	ARTH	CHIR	ROBA	CLAV	ARTHROPODA CHIRONOMIDAE ROBACKIA CLAVIGER
583	ARTH	CHIR	STEC	SP A	ARTHROPODA CHIRONOMIDAE STENOCHIRONOMUS SPECIES A
585	ARTH	CHIR	STIC	SP A	ARTHROPODA CHIRONOMIDAE STICTOCHIRONOMUS SPECIES A
587	ARTH	CHIR	MONO	SP A	ARTHROPODA CHIRONOMIDAE MONODIAMESA SPECIES A
589	ARTH	CHIR	CRIC	BICI	ARTHROPODA CHIRONOMIDAE CRICOTOPUS BICINCTUS
591	ARTH	CHIR	CRIC	SP A	ARTHROPODA CHIRONOMIDAE CRICOTOPUS SPECIES A
593	ARTH	CHIR	EPOI	SP A	ARTHROPODA CHIRONOMIDAE EPOICOCLADIUS SPECIES A
595	ARTH	CHIR	NANO	DIST	ARTHROPODA CHIRONOMIDAE NANOCLADIUS DISTINCTUS
597	ARTH	CHIR	NANO	SP A	ARTHROPODA CHIRONOMIDAE NANOCLADIUS SPECIES A
599	ARTH	CHIR	PSEC	SP A	ARTHROPODA CHIRONOMIDAE PSECTROCLADIUS SPECIES A
601	ARTH	CERA	PALP	SP A	ARTHROPODA CERATOPOGONIDAE PALPOMYIA SPECIES A
603	ARTH	LIME	LIME	SP A	ARTHROPODA LIMNESIIDAE LIMNESIA SPECIES A
605	ARTH	PION	FORE	SP A	ARTHROPODA PIONIDAE FORELIA SPECIES A
607	ARTH	UNIO	UNIO	SP A	ARTHROPODA UNIONICOLIDAE UNIONICOLA SPECIES A
609	ARTH	UNIO	UNIO	SP B	ARTHROPODA UNIONICOLIDAE UNIONICOLA SPECIES B
651	MOLL	UNKN	NUDI	SP A	MOLLUSCA UNKNOWN NUDIBRANCH SPECIES A
653	MOLL	PLAO	GYRA	SP A	MOLLUSCA PLANORBIDAE GYRAULUS SPECIES A
655	MOLL	PLAO	GYRA	SP B	MOLLUSCA PLANORBIDAE GYRAULUS SPECIES B
657	MOLL	PHYS	PHYS	GRYI	MOLLUSCA PHYSIDAE PHYSA GYRINA
659	MOLL	ANCY	FERR	RIVU	MOLLUSCA ANCYLIDAE FERRISSIA RIVULARIS
661	MOLL	ASSI	ASSI	CALI	MOLLUSCA ASSIMINEIDAE ASSIMINEA CALIFORNICA
663	MOLL	THIA	MELA	TUBE	MOLLUSCA THIARIDAE MELANOIDES TUBERCULATA
665	MOLL	PYRA	ODOS	FETE	MOLLUSCA PYRAMIDELLIDAE ODOSTOMIA FETELLA
667	MOLL	SEME	THEO	LUBR	MOLLUSCA SEMELIDAE THEORA LUBRICA
669	MOLL	MYTI	MUSC	SENH	MOLLUSCA MYTILIDAE MUSCULISTA SENHOUSIA
671	MOLL	MYTI	MYTI	EDUL	MOLLUSCA MYTILIDAE MYTILUS EDULIS
673	MOLL	CORB	CORB	FLUM	MOLLUSCA CORBICULIDAE CORBICULA FLUMINEA
675	MOLL	SPHE	PISI	CASE	MOLLUSCA SPHAERIIDAE PISIDIUM CASERTANUM
677	MOLL	SPHE	PISI	COMP	MOLLUSCA SPHAERIIDAE PISIDIUM COMPRESSUM
679	MOLL	SPHE	SPHE	SP A	MOLLUSCA SPHAERIIDAE SPHAERIUM SPECIES A
681	MOLL	TELL	MACO	BALT	MOLLUSCA TELLINIDAE MACOMA BALTHICA
683	MOLL	VENE	PROT	STAM	MOLLUSCA VENERIDAE PROTOTHACA STAMINEA
685	MOLL	VENE	GEMM	GEMM	MOLLUSCA VENERIDAE GEMMA GEMMA
687	MOLL	MYID	MYA	AREN	MOLLUSCA MYIDAE MYA ARENARIA
689	MOLL	CORL	POTA	AMUR	MOLLUSCA CORBULIDAE POTAMOCORBULA AMURENSIS
691	MOLL	UNIN	ANOD	NUTT	MOLLUSCA UNIONIDAE ANODONTA NUTTALLIANA
700	CHOR	MOLG	MOLG	MANH	CHORDATA MOLGULIDAE MOLGULA MANHATTENSIS

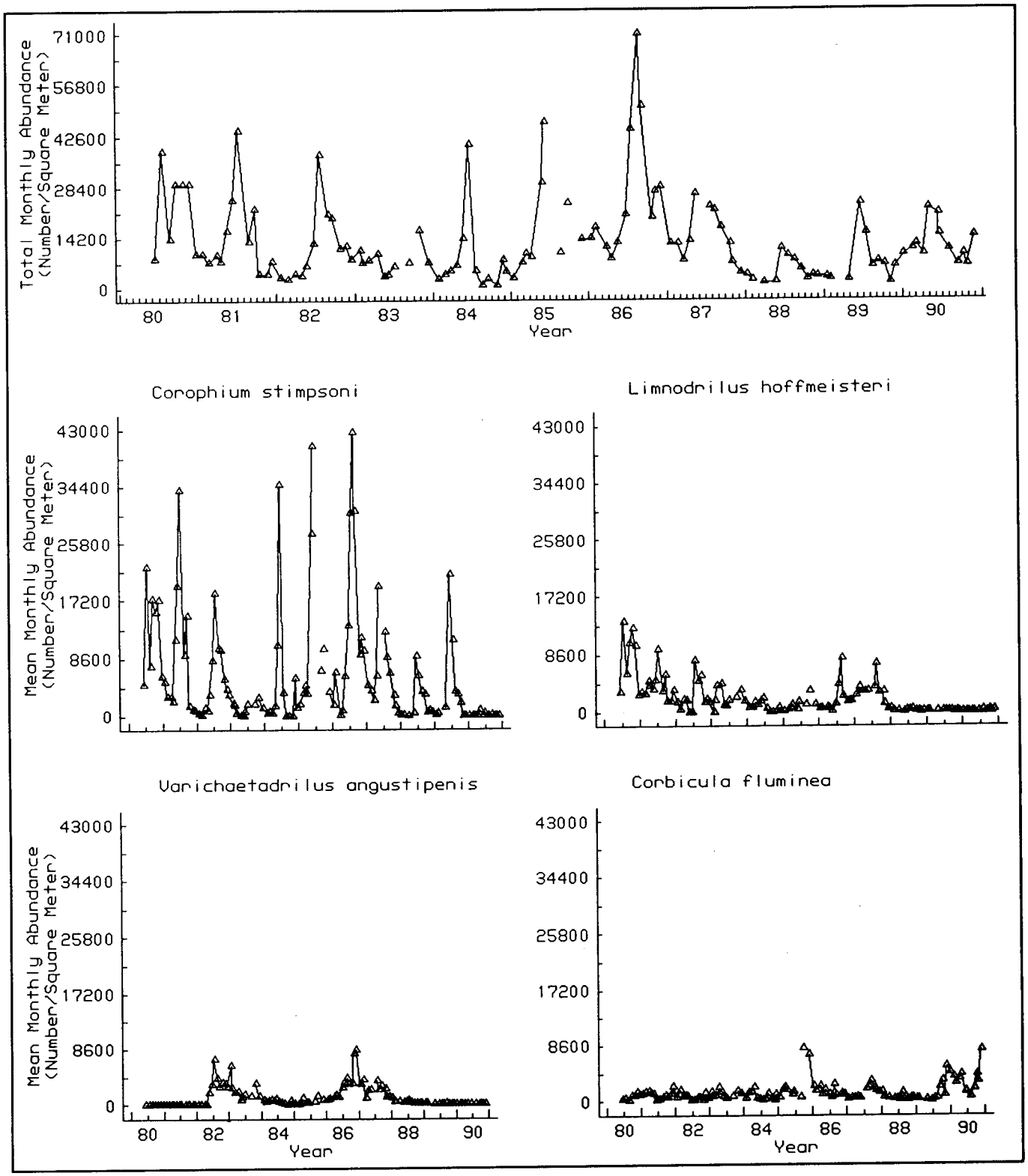
Appendix B

Graphs of Mean Monthly Abundance of All Species (Total) and the Four Numerically Dominant Species at Each Benthic Site

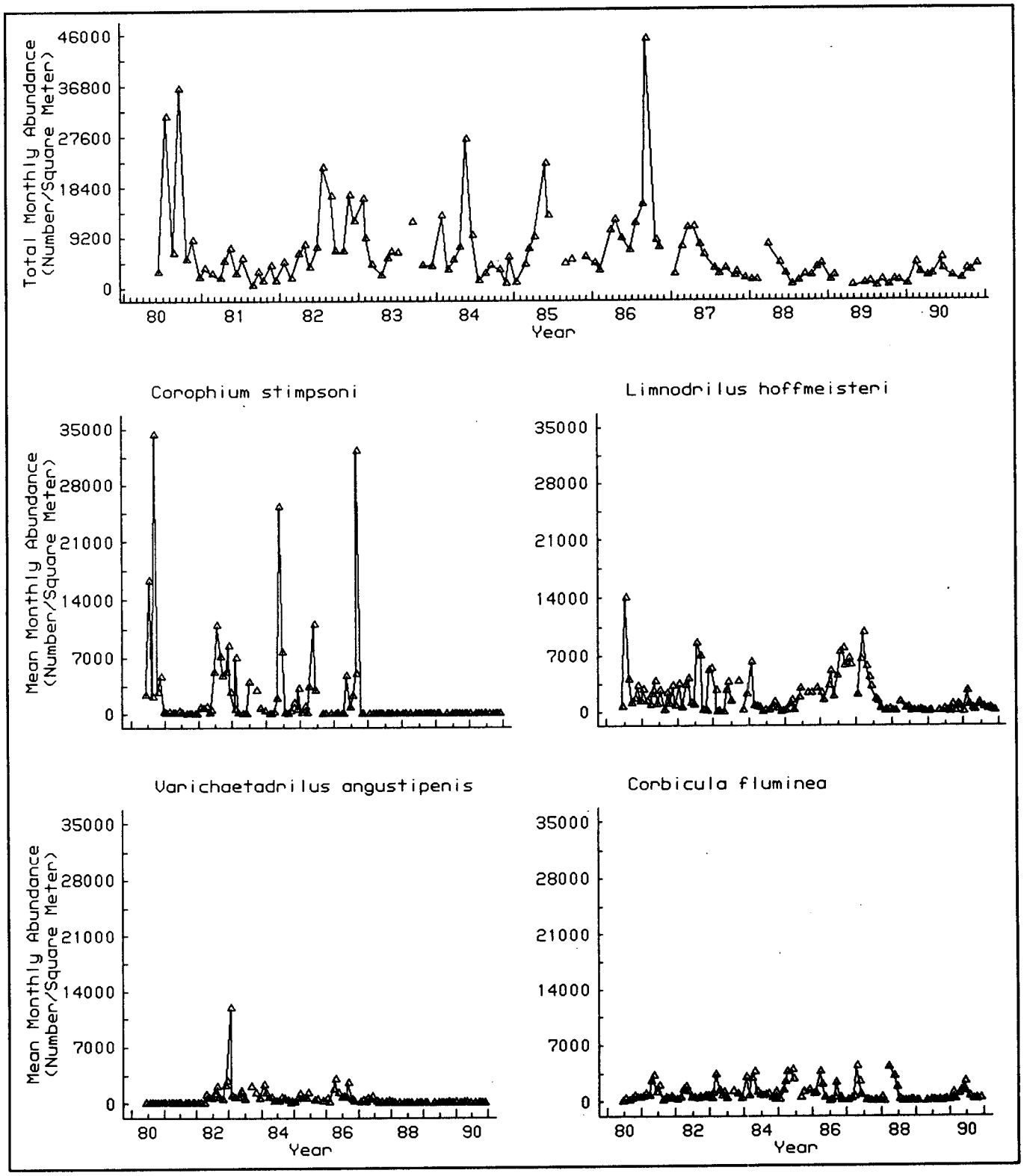
MEAN TOTAL ABUNDANCE AND MEAN MONTHLY ABUNDANCE OF THE FOUR NUMERICALLY DOMINANT ORGANISMS AT SITE D7-C



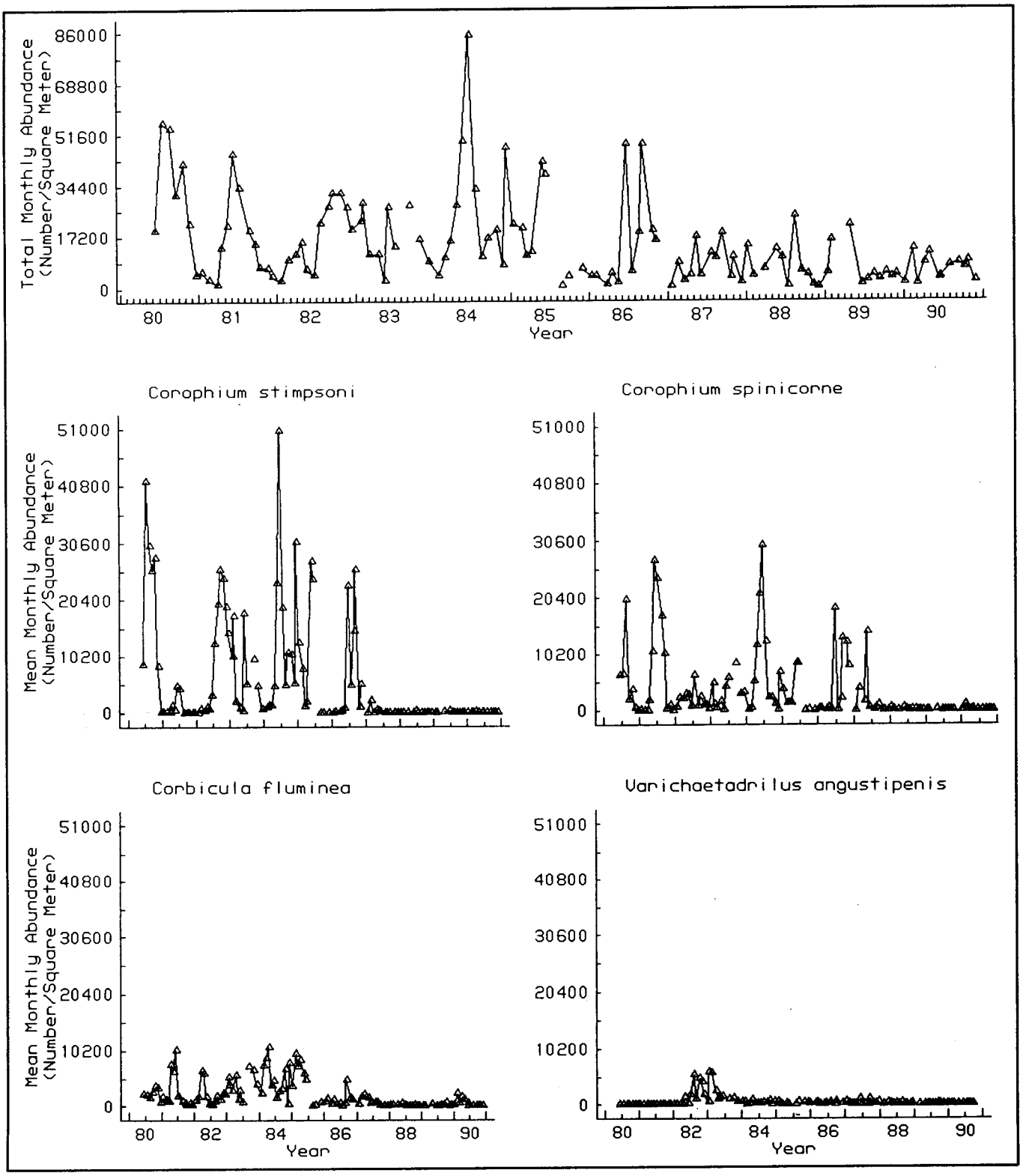
MEAN TOTAL ABUNDANCE AND MEAN MONTHLY ABUNDANCE OF THE FOUR NUMERICALLY DOMINANT ORGANISMS AT SITE D11-C



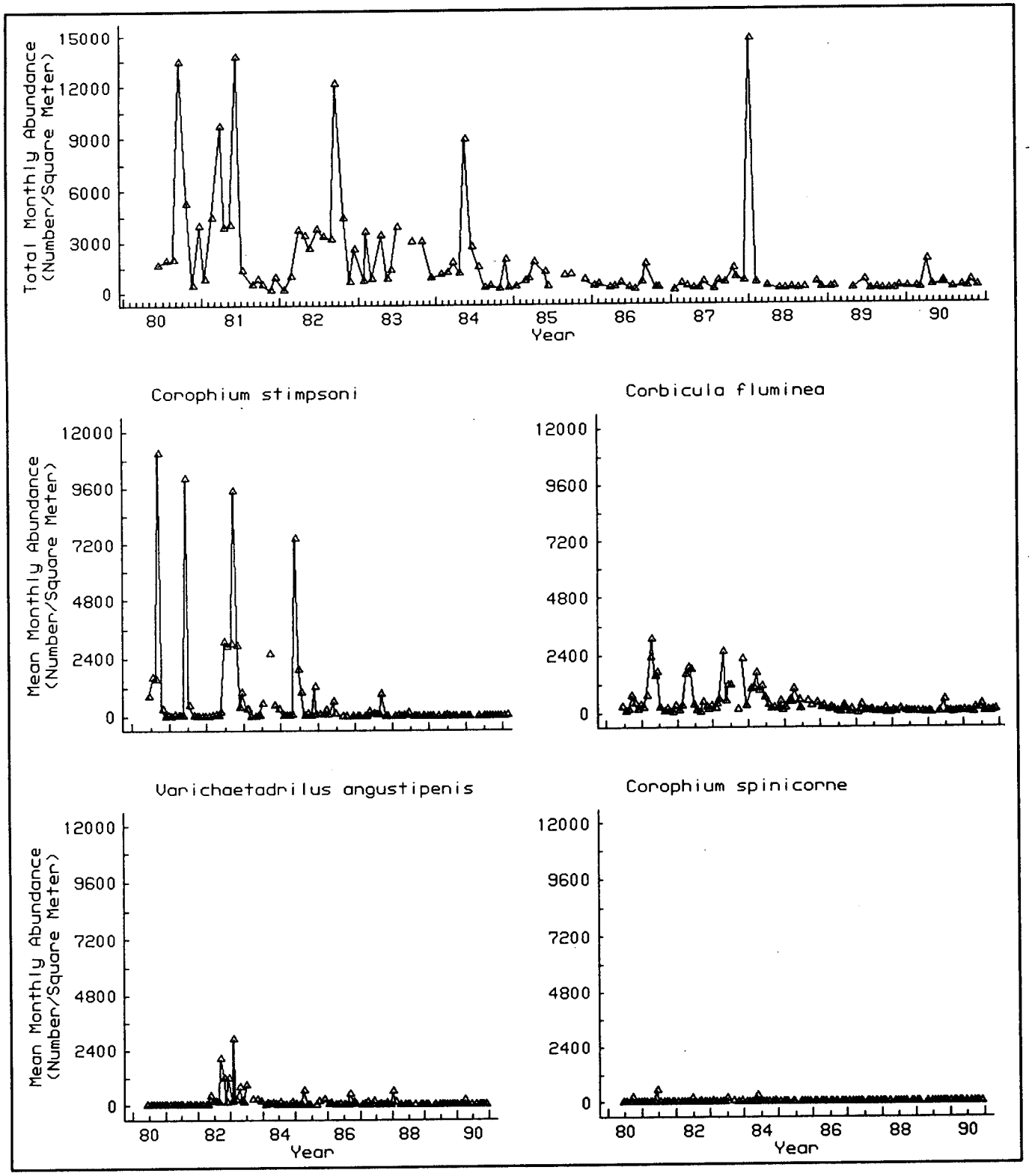
MEAN TOTAL ABUNDANCE AND MEAN MONTHLY ABUNDANCE OF THE FOUR NUMERICALLY DOMINANT ORGANISMS AT SITE D4-R



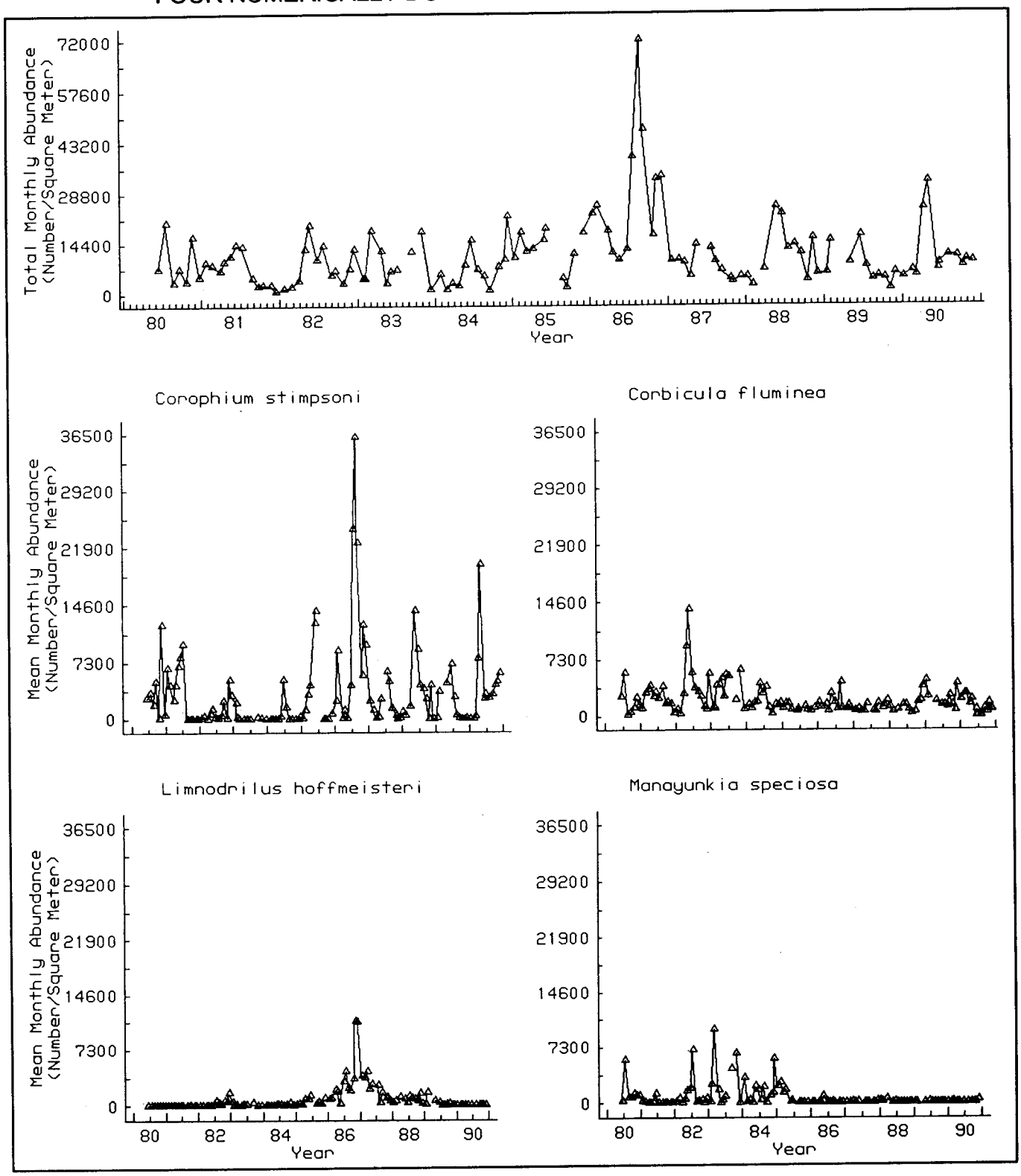
MEAN TOTAL ABUNDANCE AND MEAN MONTHLY ABUNDANCE OF THE FOUR NUMERICALLY DOMINANT ORGANISMS AT SITE D4-L



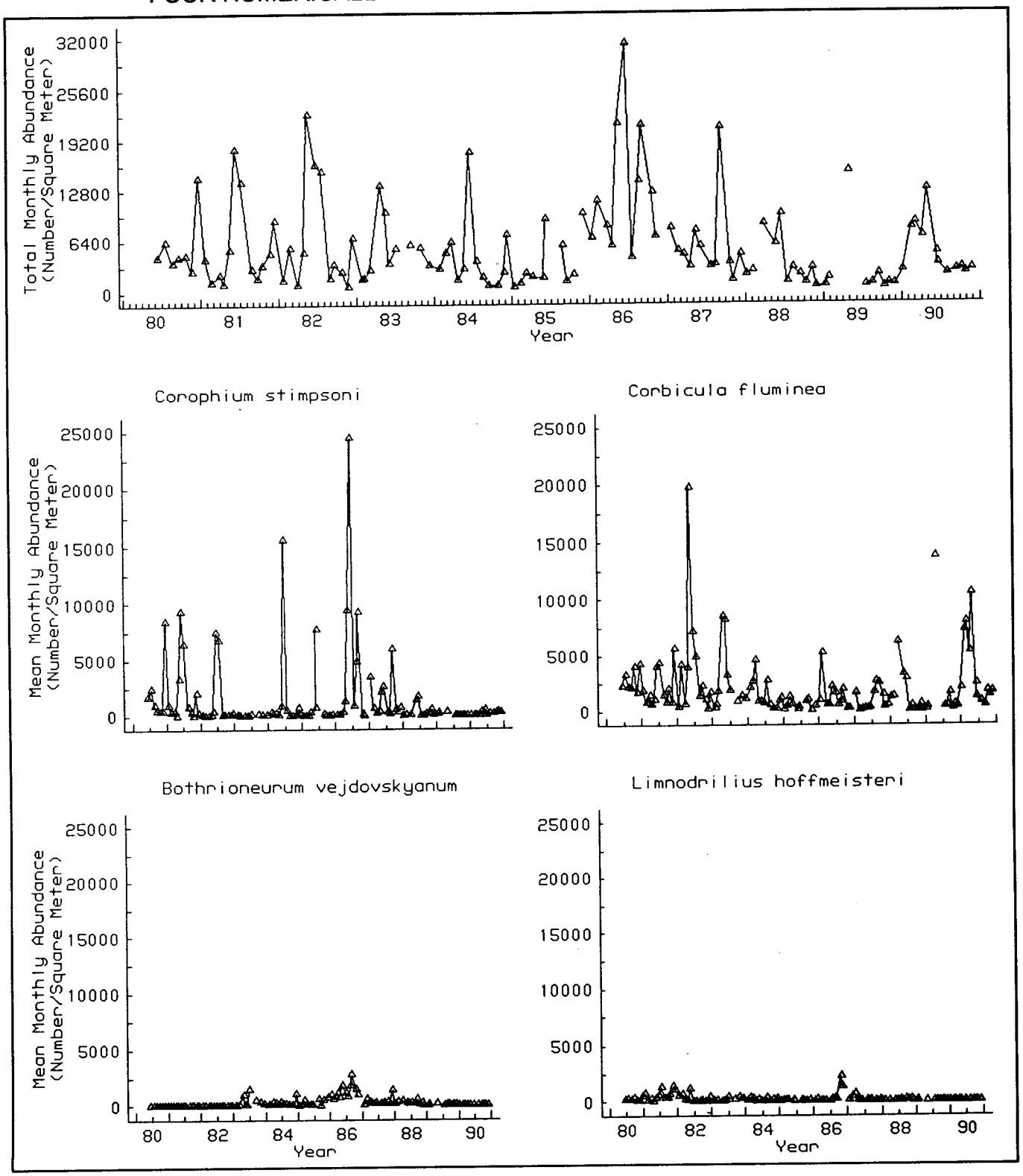
MEAN TOTAL ABUNDANCE AND MEAN MONTHLY ABUNDANCE OF THE FOUR NUMERICALLY DOMINANT ORGANISMS AT SITE D4-C



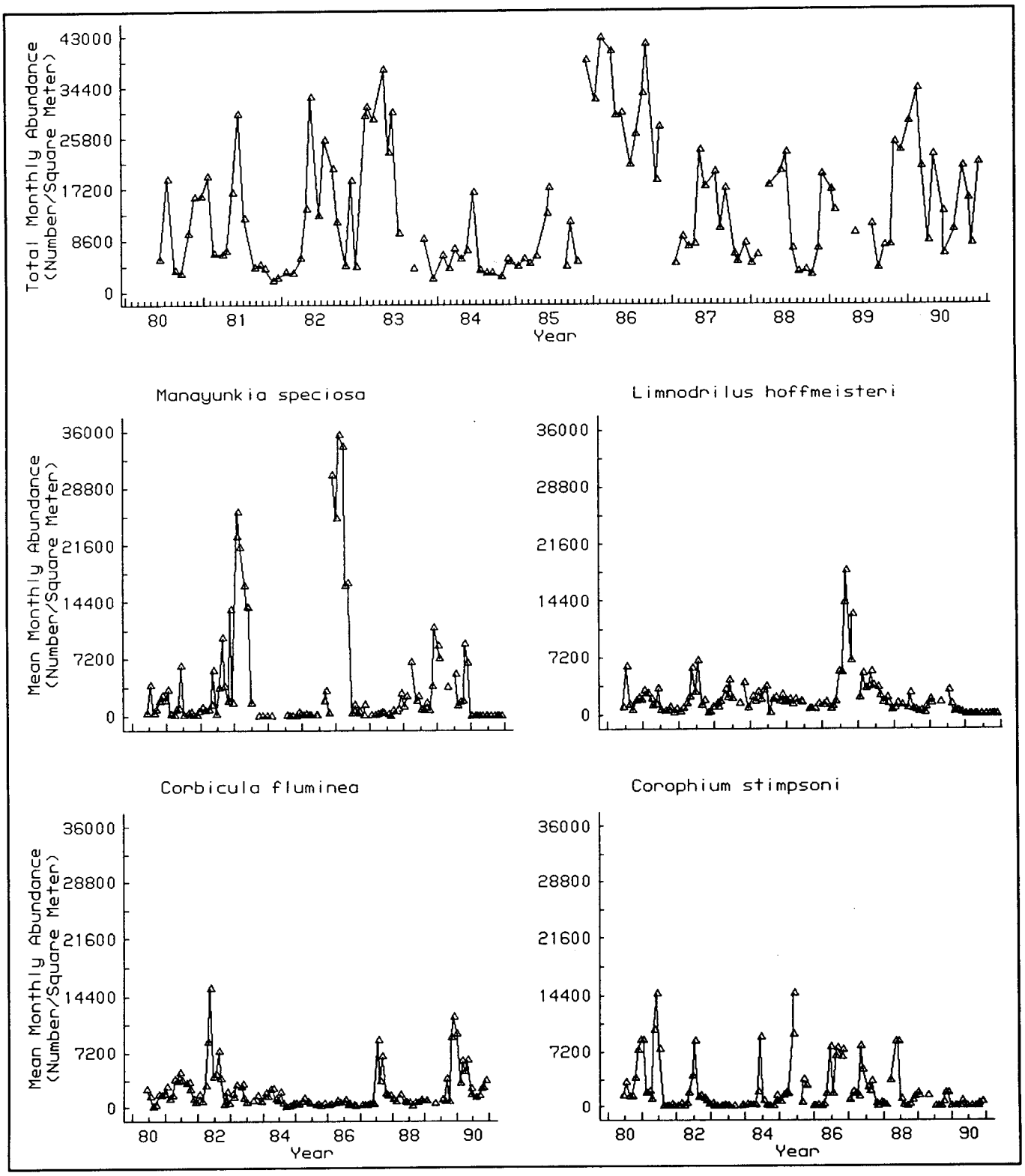
MEAN TOTAL ABUNDANCE AND MEAN MONTHLY ABUNDANCE OF THE FOUR NUMERICALLY DOMINANT ORGANISMS AT SITE D19-C



MEAN TOTAL ABUNDANCE AND MEAN MONTHLY ABUNDANCE OF THE FOUR NUMERICALLY DOMINANT ORGANISMS AT SITE D28A-L



MEAN TOTAL ABUNDANCE AND MEAN MONTHLY ABUNDANCE OF THE FOUR NUMERICALLY DOMINANT ORGANISMS AT SITE D28A-R



COMMON ABBREVIATIONS AND METRIC CONVERSIONS

Area

km^2	square kilometers; to convert to square miles, multiply by 0.3861
m^2	square meters; to convert to square feet, multiply by 10.764

Length

cm	centimeters; to convert to inches, multiply by 0.3937
FL	fork length; length from the most anterior part of a fish to the median caudal fin rays (fork in the tail)
km	kilometers; to convert to miles, multiply by 0.62139
m	meters; to convert to feet, multiply by 3.2808
mm	millimeters; to convert to inches, multiply by 0.03937
SL	standard length; tip of upper jaw of a fish to crease formed when tail is bent sharply upward
TL	total length; length from the most anterior part of a fish to the end of the tail

Volume

AF	acre-foot; equal to 43,560 cubic feet
L	liters; to convert to quarts, multiply by 1.05668; to convert to gallons, multiply by 0.26417
mL	milliliters

Flow

cfs	cubic feet per second; to convert to acre-feet per day, multiply by 1.98
gpm	gallons per minute
mgd	million gallons per day

Velocity

fps	feet per second
m/s	meters per second; to convert to feet per second, multiply by 3.2808

Mass

kg	kilograms; to convert to pounds, multiply by 2.2046

Concentration

mg/L	milligrams per liter; equals parts per million (ppm)
µg/L	micrograms per liter; equals parts per billion (ppb)

Specific Conductance

µS	microsiemens; equivalent to micromhos
µS/cm	microsiemens per centimeter

Temperature

°C	degrees Celsius; to convert to °F, multiply by 1.8 then add 32 degrees
°F	degrees Fahrenheit; to convert to °C, subtract 32 degrees then divide by 1.8

Mathematics and Statistics

df	degrees of freedom
e	base of natural logarithm
E	expected value
log	logarithm
N	sample size
NS	not significant
%	percent
‰	per thousand
P	probability
r	correlation or regression coefficient (simple)
R	correlation or regression coefficient (multiple)
SD	standard deviation
SE	standard error
V	variance

Interagency Program Members

COE	U.S. Army Corps of Engineers
DFG	California Department of Fish and Game
DWR	California Department of Water Resources
EPA	U.S. Environmental Protection Agency
FWS	U.S. Fish and Wildlife Service
SWRCB	California State Water Resources Control Board
USBR	U.S. Bureau of Reclamation
USGS	U.S. Geological Survey

General

CPUE	catch per unit effort
YOY	young of the year

SCIENTIFIC NAMES OF FISH

American eel	*Anguilla rostrata*
American shad	*Alosa sapidissima*
bay goby	*Lepidogobius lepidus*
bigscale logperch	*Percina macrolepida*
black bullhead	*Ameiurus melas*
black crappie	*Pomoxis nigromaculatus*
blue catfish	*Ictalurus furcatus*
bluegill	*Lepomis macrochirus*
brown bullhead	*Ameiurus nebulosus*
brown trout	*Salmo trutta*
California halibut	*Paralichthys californicus*
California roach	*Hesperoleucus symmertricus*
chameleon goby	*Tridentiger trigonocephalus*
channel catfish	*Ictalurus punctatus*
Chinook salmon	*Oncorhynchus tshawytscha*
common carp	*Cyprinus carpio*
delta smelt	*Hypomesus transpacificus*
English sole	*Pleuronectes vetulus*
fathead minnow	*Pimephales promelas*
golden shiner	*Notemigonus crysoleucas*
goldfish	*Carassius auratus*
green sturgeon	*Acipenser medirostris*
green sunfish	*Lepomis cyanellus*
hardhead	*Mylopharodon conocephalus*
hitch	*Lavinia exilicauda*
inland silverside	*Menidia beryllina*
jacksmelt	*Atherinopsis californiensis*
largemouth bass	*Micropterus salmoides*
longfin smelt	*Spirinchus thaleichthys*
mosquitofish	*Gambusia affinis*
northern anchovy	*Engraulis mordax*
Pacific herring	*Clupea pallasii*
Pacific lamprey	*Lampetra tridentata*
pink salmon	*Oncorhynchus gorbuscha*
plainfin midshipman	*Porichthys notatus*
prickly sculpin	*Cottus asper*
pumpkin seed	*Lepomis gibbosus*
rainwater killifish	*Lucania parva*
redear sunfish	*Lepomis microlophus*
red shiner	*Cyprinella lutrensis*
riffle sculpin	*Cottus gulosus*
river lamprey	*Lampetra ayresii*
Sacramento blackfish	*Orthodon microlepidotus*
Sacramento perch	*Archoplites interruptus*
Sacramento splittail	*Pogonichthys macrolepidotus*
Sacramento squawfish	*Ptychocheilus grandis*
Sacramento sucker	*Catostomus occidentalis*
shiner surfperch	*Cymatogaster aggregata*
silver salmon	*Oncorhynchus kisutch*
smallmouth bass	*Micropterus dolomieu*
speckled dace	*Rhinichthys osculus*
speckled sanddab	*Citharichthys stigmaeus*
splittail	*Pogonichthys macrolepidotus*
staghorn sculpin	*Leptocottus armatus*
starry flounder	*Platichthys stellatus*
steelhead trout	*Oncorhynchus mykiss*
striped bass	*Morone saxatilis*
striped mullet	*Mugil cephalus*
surf smelt	*Hypomesus pretiosus*
threadfin shad	*Dorosoma petenense*
threespine stickleback	*Gasterosteus aculaetus*
tui chub	*Gila bicolor*
tule perch	*Hysterocarpus traski*
wakasagi	*Hypomesus nipponensis*
warmouth	*Lepomis gulosus*
white catfish	*Ameiurus catus*
white crappie	*Pomoxis annularis*
white croaker	*Genyonemus lineatus*
white sturgeon	*Acipenser transmontanus*
yellow bullhead	*Ameiurus natalis*
yellow perch	*Perca flavescens*
yellowfin goby	*Acanthogobius flavimanus*