Appendix A.1. Annual fisheries sampling allocation and number of completed samples in each study area of the Long Term Resource Monitoring Program, Upper Mississippi River, 1993 - 2002.

Gear	Year										Total
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002*	
Pool 4											
Day electrofishing	71	84	82	84	82	82	84	84	80	82	815
Fyke netting	22	30	32	36	36	35	36	24	24	24	299
Gill netting	30	12	12	12	11	12	12	-	-	-	101
Large hoop netting	54	61	65	66	48	47	48	36	36	36	497
Small hoop netting	55	60	66	66	46	48	48	36	36	36	497
Minnow fyke netting	48	59	62	64	65	66	66	53	54	54	591
Night electrofishing	12	12	12	12	12	11	12	12	12	-	107
Seining	40	58	55	58	70	72	72	72	72	-	569
Trawling	8	12	12	12	8	10	12	12	12	4	102
Trammel netting	-	12	12	12	12	12	12	-	-	-	72
Tandem fyke netting	23	24	24	24	30	30	30	24	24	-	233
Tandem minnow fyke	24	24	24	24	30	30	30	24	24	-	234
Completed samples	387	448	458	470	450	455	462	377	374	236	4,117
Allocated samples	**390**	**474**	**474**	**474**	**462**	**462**	**462**	**378**	**378**	**246**	
Percent completed	99.2	94.5	96.6	99.2	97.4	98.5	100	99.7	98.9	95.9	
Pool 8											
Day electrofishing	86	93	96	96	102	102	102	72	84	84	917
Fyke netting	52	60	60	60	60	60	60	42	48	48	550
Gill netting	20	14	7	-	-	-	-	-	-	-	41
Large hoop netting	66	66	66	66	66	65	66	30	41	30	562
Small hoop netting	66	66	66	66	66	66	66	30	42	30	564
Minnow fyke netting	84	79	84	84	84	84	84	66	66	66	781
Night electrofishing	54	54	54	54	54	54	54	48	48	-	474
Seining	116	118	72	72	72	72	70	60	60	-	712
Trawling	12	12	12	12	12	12	12	12	12	12	120
Trammel netting	-	-	5	-	-	-	-	-	-	-	5
Tandem fyke netting	12	12	12	18	18	18	18	18	18	-	144
Tandem minnow fyke	12	12	12	18	18	18	18	12	12	-	132
Completed samples	580	586	546	546	552	551	550	390	431	270	5,002
Allocated samples	**580**	**592**	**546**	**546**	**552**	**552**	**550**	**390**	**432**	**270**	
Percent completed	100	99.0	100	100	100	99.8	100	100	99.8	100	
Pool 13											
Day electrofishing	52	60	59	63	61	63	63	63	63	63	610
Fyke netting	39	42	42	42	42	42	42	42	42	42	417
Large hoop netting	39	49	54	54	54	54	54	54	54	48	514
Small hoop netting	40	49	54	54	54	54	54	54	54	48	515
Minnow fyke netting	55	70	75	75	75	75	75	75	75	75	725
Night electrofishing	14	22	24	24	19	24	24	24	24	-	199
Seining	80	108	108	108	108	108	108	108	108	-	944
Trawling	4	16	24	24	24	24	24	24	24	24	212
Tandem fyke netting	18	21	21	21	21	21	21	21	21	-	186
Tandem minnow fyke	19	21	21	21	21	21	21	21	21	-	187
Completed samples	360	458	482	486	479	486	486	486	486	300	4,509
Allocated samples	**486**	**486**	**486**	**486**	**486**	**486**	**486**	**486**	**486**	**300**	
Percent completed	74.1	94.2	99.2	100	98.6	100	100	100	100	100	

Pool 26											
Day electrofishing	33	78	77	78	77	76	76	78	77	77	727
Fyke netting	12	24	24	24	24	23	24	24	24	25	228
Large hoop netting	22	53	56	57	56	54	52	56	56	56	518
Small hoop netting	22	55	55	57	57	51	54	57	57	57	522
Minnow fyke netting	13	47	45	45	45	42	45	43	43	45	413
Night electrofishing	-	6	6	6	6	6	6	6	6	-	48
Seining	4	84	84	84	84	76	78	84	84	-	662
Trawling	-	12	12	12	12	12	12	8	12	12	104
Trammel netting	-	-	-	-	6	6	-	6	-	-	18
Tandem fyke netting	5	12	12	12	12	12	12	12	12	-	101
Tandem minnow fyke	5	12	12	12	12	12	12	12	12	-	101
Completed samples	116	383	383	387	391	370	371	386	383	272	3,442
Allocated samples	**387**	**387**	**387**	**387**	**387**	**387**	**387**	**387**	**387**	**273**	
Percent completed	30.0	99.0	99.0	100	101.0	95.6	95.9	99.7	99.0	99.6	
Open River											
Day electrofishing	14	37	47	46	50	33	45	47	51	51	421
Fyke netting	10	18	16	17	17	12	11	14	15	15	145
Gill netting	1	7	7	-	11	9	-	17	24	-	76
Large hoop netting	13	53	51	49	54	50	52	47	51	50	470
Small hoop netting	13	55	52	49	55	51	55	47	50	50	477
Minnow fyke netting	27	60	57	61	64	58	54	48	51	51	531
Seining	-	24	22	32	44	9	32	63	56	-	282
Trawling	1	6	4	49	57	4	-	1	-	-	122
Completed samples	79	260	256	303	352	226	249	284	298	217	2,524
Allocated samples	**336**	**336**	**336**	**336**	**336**	**354**	**318**	**318**	**318**	**219**	
Percent completed	23.5	77.4	76.2	90.2	104.8	63.8	78.3	89.3	93.7	99.1	
La Grange											
Day electrofishing	66	66	127	126	122	124	123	125	126	126	1,131
Fyke netting	23	24	42	41	42	42	42	41	42	42	381
Gill netting	53	-	-	-	-	-	-	-	-	-	53
Large hoop netting	54	59	71	69	59	60	60	60	60	60	612
Small hoop netting	54	59	72	72	59	60	60	60	60	60	616
Minnow fyke netting	65	64	92	90	89	90	89	88	90	90	847
Night electrofishing	42	67	17	18	18	16	13	18	18	-	227
Seining	60	84	96	94	94	96	96	92	96	-	808
Trawling	10	14	24	24	24	24	24	24	24	24	216
Trammel netting	-	30	-	-	-	-	-	-	-	-	30
Tandem fyke netting	12	12	12	12	18	18	18	18	18	-	138
Tandem minnow fyke	12	12	12	12	18	18	18	18	18	-	138
Completed samples	451	491	565	558	543	548	543	544	552	402	5,197
Allocated samples	**426**	**384**	**564**	**564**	**552**	**552**	**552**	**552**	**552**	**402**	
Percent completed	105.9	127.9	100.2	98.9	98.4	99.3	98.4	98.6	100	100	
Grand totals	***1,973***	***2,626***	***2,690***	***2,750***	***2,767***	***2,636***	***2,661***	***2,467***	***2,524***	***1,697***	***24,791***

* In 2002, night electrofishing, seining, tandem fyke netting and tandem mini-fyke netting were eliminated as sampling gears.

Appendix A.2. Fish species collected from 1993 to 2002 by the Long Term Resource Monitoring Program (LTRMP) across all sampling areas in the Upper Mississippi River System, listed in phylogenetic order. Hybrids captured are not listed.

Family name	Common name	Scientific name	LTRMP Species code[a]	Exploitation status[b]
Petromyzontidae	Chestnut lamprey	*Ichthyomyzon castaneus*	CNLP	Nongame
	Silver lamprey	*Ichthyomyzon unicuspis*	SVLP	Nongame
	American brook lamprey	*Lampetra appendix*	ABLP	Nongame
Acipenseridae	Lake sturgeon	*Acipenser fulvescens*	LKSG	Recreational*
	Shovelnose sturgeon	*Scaphirhynchus platorynchus*	SNSG	Commercial
Polyodontidae	Paddlefish	*Polyodon spathula*	PDFH	Recreational*
Lepisosteidae	Spotted gar	*Lepisosteus oculatus*	STGR	Commercial*
	Longnose gar	*Lepisosteus osseus*	LNGR	Commercial*
	Shortnose gar	*Lepisosteus platostomus*	SNGR	Commercial*
Amiidae	Bowfin	*Amia calva*	BWFN	Commercial*
Anguillidae	American eel	*Anguilla rostrata*	AMEL	Commercial*
Clupeidae	Skipjack herring	*Alosa chrysochloris*	SJHR	Recreational*
	Gizzard shad	*Dorosoma cepedianum*	GZSD	Nongame
	Threadfin shad	*Dorosoma petenense*	TFSD	Nongame
Hiodontidae	Goldeye	*Hiodon alosoides*	GDEY	Commercial*
	Mooneye	*Hiodon tergisus*	MNEY	Commercial*
Salmonidae	Brown trout	*Salmo trutta*	BNTT	Recreational
Osmeridae	Rainbow smelt	*Osmerus mordax*	RBST	Nongame
Umbridae	Central mudminnow	*Umbra limi*	CMMW	Nongame
Esocidae	Grass pickerel	*Esox americanus vermiculatus*	GSPK	Nongame
	Northern pike	*Esox lucius*	NTPK	Recreational
	Muskellunge	*Esox masquinongy*	MSKG	Recreational
Cyprinidae	Central stoneroller	*Campostoma anomalum*	CLSR	Nongame
	Goldfish	*Carassius auratus*	GDFH	Commercial*
	Grass carp	*Ctenopharyngodon idella*	GSCP	Commercial*
	Red shiner	*Cyprinella lutrensis*	RDSN	Nongame
	Spotfin shiner	*Cyprinella spiloptera*	SFSN	Nongame
	Blacktail shiner	*Cyprinella venusta*	BTSN	Nongame
	Common carp	*Cyprinus carpio*	CARP	Commercial
	Western silvery minnow	*Hybognathus argyritis*	WSMW	Nongame
	Brassy minnow	*Hybognathus hankinsoni*	BSMW	Nongame
	Mississippi silvery minnow	*Hybognathus nuchalis*	SVMW	Nongame
	Plains minnow	*Hybognathus placitus*	PNMW	Nongame
	Silver carp	*Hypophthalmichthys molitrix*	SVCP	Commercial*
	Bighead carp	*Hypophthalmichthys nobilis*	BHCP	Commercial*
	Striped shiner	*Luxilus chrysocephalus*	SPSN	Nongame
	Speckled chub	*Macrhybopsis aestivalis*	SKCB	Nongame
	Silver chub	*Macrhybopsis storeriana*	SVCB	Nongame
	Golden shiner	*Notemigonus crysoleucas*	GDSN	Nongame
	Bigeye chub	*Hybopsis amblops*	BECB	Nongame
	Bigmouth shiner	*Notropis dorsalis*	BESN	Nongame
	Blacknose dace	*Rhinichthys atratulus*	BNDC	Nongame
	Bleeding shiner	*Luxilus zonatus*	BDSN	Nongame
	Hornyhead chub	*Nocomis biguttatus*	HHCB	Nongame
	Pallid shiner	*Hybopsis amnis*	PDSN	Nongame
	Rudd	*Scardinius erythrophthalmus*	RUDD	Nongame
	Sicklefin chub	*Macrhybopsis meeki*	SFCB	Nongame
	Emerald shiner	*Notropis atherinoides*	ERSN	Nongame

	River shiner	*Notropis blennius*	RVSN	Nongame
	Bigeye shiner	*Notropis boops*	BESN	Nongame
	Ghost shiner	*Notropis buchanani*	GTSN	Nongame
	Spottail shiner	*Notropis hudsonius*	STSN	Nongame
	Silverband shiner	*Notropis shumardi*	SBSN	Nongame
	Sand shiner	*Notropis stramineus*	SNSN	Nongame
	Weed shiner	*Notropis texanus*	WDSN	Nongame
	Mimic shiner	*Notropis volucellus*	MMSN	Nongame
	Channel shiner	*Notropis wickliffi*	CNSN	Nongame
	Pugnose minnow	*Opsopoeodus emiliae*	PGMW	Nongame
	Suckermouth minnow	*Phenacobius mirabilis*	SMMW	Nongame
	Southern redbelly dace	*Phoxinus erythrogaster*	SRBD	Nongame
	Bluntnose minnow	*Pimephales notatus*	BNMW	Nongame
	Fathead minnow	*Pimephales promelas*	FHMW	Nongame
	Bullhead minnow	*Pimephales vigilax*	BHMW	Nongame
	Creek chub	*Semotilus atromaculatus*	CKCB	Nongame
Catostomidae	River carpsucker	*Carpiodes carpio*	RVCS	Commercial*
	Quillback	*Carpiodes cyprinus*	QLBK	Commercial*
	Highfin carpsucker	*Carpiodes velifer*	HFCS	Commercial*
	White sucker	*Catostomus commersoni*	WTSK	Commercial*
	Blue sucker	*Cycleptus elongatus*	BUSK	Nongame
	Northern hog sucker	*Hypentelium nigricans*	NHSK	Commercial*
	Smallmouth buffalo	*Ictiobus bubalus*	SMBF	Commercial
	Bigmouth buffalo	*Ictiobus cyprinellus*	BMBF	Commercial
	Black buffalo	*Ictiobus niger*	BKBF	Commercial
	Spotted sucker	*Minytrema melanops*	SPSK	Commercial*
	Silver redhorse	*Moxostoma anisurum*	SVRH	Commercial*
	River redhorse	*Moxostoma carinatum*	RVRH	Commercial*
	Golden redhorse	*Moxostoma erythrurum*	GDRH	Commercial*
	Shorthead redhorse	*Moxostoma macrolepidotum*	SHRH	Commercial*
Ictaluridae	Black bullhead	*Ameiurus melas*	BKBH	Commercial*
	Yellow bullhead	*Ameiurus natalis*	YLBH	Commercial*
	Brown bullhead	*Ameiurus nebulosus*	BNBH	Commercial*
	Blue catfish	*Ictalurus furcatus*	BLCF	Commercial*
	Channel catfish	*Ictalurus punctatus*	CNCF	Commercial
	Stonecat	*Noturus flavus*	STCT	Nongame
	Tadpole madtom	*Noturus gyrinus*	TPMT	Nongame
	Freckled madtom	*Noturus nocturnus*	FKMT	Nongame
	Flathead catfish	*Pylodictis olivaris*	FHCF	Commercial
Aphredoderidae	Pirate perch	*Aphredoderus sayanus*	PRPH	Nongame
Percopsidae	Trout-perch	*Percopsis omiscomaycus*	TTPH	Nongame
Gadidae	Burbot	*Lota lota*	BRBT	Recreational*
Fundulidae	Starhead topminnow	*Fundulus dispar*	SHTM	Nongame
	Blackstripe topminnow	*Fundulus notatus*	BTTM	Nongame
	Blackspotted topminnow	*Fundulus olivaceus*	BPTM	Nongame
Poeciliidae	Western mosquitofish	*Gambusia affinis*	MQTF	Nongame
Atherinidae	Brook silverside	*Labidesthes sicculus*	BKSS	Nongame
	Inland silverside	*Menidia beryllina*	IDSS	Nongame
Gasterosteidae	Brook stickleback	*Culaea inconstans*	BKSB	Nongame
Percichthyidae	White perch	*Morone americana*	WTPH	Recreational*
	White bass	*Morone chrysops*	WTBS	Recreational
	Yellow bass	*Morone mississippiensis*	YWBS	Recreational

	Striped bass	*Morone saxatilis*	SDBS	Recreational
Centrarchidae	Rock bass	*Ambloplites rupestris*	RKBS	Recreational
	Green sunfish	*Lepomis cyanellus*	GNSF	Recreational
	Pumpkinseed	*Lepomis gibbosus*	PNSD	Recreational
	Flier	*Centrarchus macropterus*	FLER	Recreational
	Spotted sunfish	*Lepomis punctatus*	STSF	Recreational
	Warmouth	*Lepomis gulosus*	WRMH	Recreational
	Orangespotted sunfish	*Lepomis humilis*	OSSF	Recreational
	Bluegill	*Lepomis macrochirus*	BLGL	Recreational
	Longear sunfish	*Lepomis megalotis*	LESF	Recreational
	Redear sunfish	*Lepomis microlophus*	RESF	Recreational
	Smallmouth bass	*Micropterus dolomieu*	SMBS	Recreational
	Spotted bass	*Micropterus punctulatus*	STBS	Recreational
	Largemouth bass	*Micropterus salmoides*	LMBS	Recreational
	White crappie	*Pomoxis annularis*	WTCP	Recreational
	Black crappie	*Pomoxis nigromaculatus*	BKCP	Recreational
Percidae	Crystal darter	*Ammocrypta asprella*	CLDR	Nongame
	Western sand darter	*Ammocrypta clara*	WSDR	Nongame
	Mud darter	*Etheostoma asprigene*	MDDR	Nongame
	Bluntnose darter	*Etheostoma chlorosomum*	BNDR	Nongame
	Iowa darter	*Etheostoma exile*	IODR	Nongame
	Greenside darter	*Etheostoma blennioides*	GSDR	Nongame
	Slough darter	*Etheostoma gracile*	SLDR	Nongame
	Fantail darter	*Etheostoma flabellare*	FTDR	Nongame
	Johnny darter	*Etheostoma nigrum*	JYDR	Nongame
	Orangethroat darter	*Etheostoma spectabile*	OTDR	Nongame
	Banded darter	*Etheostoma zonale*	BDDR	Nongame
	Yellow perch	*Perca flavescens*	YWPH	Recreational
	Logperch	*Percina caprodes*	LGPH	Nongame
	Blackside darter	*Percina maculata*	BSDR	Nongame
	Slenderhead darter	*Percina phoxocephala*	SHDR	Nongame
	Dusky darter	*Percina sciera*	DYDR	Nongame
	River darter	*Percina shumardi*	RRDR	Nongame
	Sauger	*Stizostedion canadense*	SGER	Recreational
	Walleye	*Stizostedion vitreum*	WLYE	Recreational
Sciaenidae	Freshwater drum	*Aplodinotus grunniens*	FWDM	Commercial
Mugilidae	Striped mullet	*Mugil cephalus*	SPMT	Nongame

[a] Species code is the alphanumeric code used by LTRMP.

[b] Exploitation status classifies human uses of each species within this river system based on Pfleiger (1997) and Rasmussen (1979): Commercial = commercially exploited; Commercial* = commercially harvested, but not a primary commercial species; Recreational = exploited by recreational anglers and not commercially harvested; Recreational* = exploited by recreational anglers, but not considered a primary recreational species; Nongame = not considered a commercial or recreational species.

Appendix A.3. Fish species collected and number caught in each study area monitored by the Long Term Resource Monitoring Program in the Upper Mississippi River System, 1993–2002. A fish symbol indicates that species was collected at that location. A total of 134 species were collected. Species are listed alphabetically by common name.

		Location collected							
Species	Numerical Rank	Pool 4	Pool 8	Pool 13	Pool 26	Open River	La Grange	Percentage of total	Total catch
American brook lamprey	110							0.0	9
American eel	90							0.0	70
Banded darter	115							0.0	6
Bigeye chub	127							0.0	1
Bigeye shiner	109							0.0	10
Bighead carp	51							0.1	2,326
Bigmouth buffalo	29							0.3	8,298
Bigmouth shiner	95							0.0	56
Black buffalo	56							0.0	1,525
Black bullhead	45							0.1	3,217
Black crappie	11							2.1	65,117
Blacknose dace	118							0.0	5
Blackside darter	107							0.0	12
Blackspotted topminnow	113							0.0	8
Blackstripe topminnow	73							0.0	343
Blacktail shiner	92							0.0	63
Bleeding shiner	127							0.0	1
Blue catfish	57							0.0	1,509
Blue sucker	82							0.0	167
Bluegill	3							7.7	244,360
Bluntnose darter	107							0.0	12
Bluntnose minnow	69							0.0	922
Bowfin	48							0.1	2,864
Brassy minnow	100							0.0	42
Brook silverside	26							0.3	10,591
Brook stickleback	106							0.0	20
Brown bullhead	68							0.0	971
Brown trout	115							0.0	6
Bullhead minnow	12							1.9	60,584
Burbot	85							0.0	135
Central mudminow	94							0.0	57
Central stoneroller	87							0.0	104
Channel catfish	13							1.5	48,380
Channel shiner	18							0.6	20,486
Chestnut lamprey	83							0.0	145
Common carp	8							3.1	99,864
Creek chub	90							0.0	70
Crystal darter	110							0.0	9
Dusky darter	122							0.0	3
Emerald shiner	1							26.7	844,725
Fantail darter	119							0.0	4
Fathead minnow	75							0.0	308
Flathead catfish	40							0.1	4,504
Flier	123							0.0	2
Freckled madtom	88							0.0	94
Freshwater drum	4							4.2	133,008
Ghost shiner	127							0.0	1
Gizzard shad	2							23.4	742,108
Golden redhorse	42							0.1	3,612
Golden shiner	39							0.1	4,570
Goldeye	49							0.1	2,709

Goldfish	74								0.0	330
Grass carp	70								0.0	840
Grass pickerel	103								0.0	24
Green sunfish	43								0.1	3,524
Greenside darter	127								0.0	1
Highfin carpsucker	71								0.0	470
Hornyhead chub	127								0.0	1
Inland silverside	99								0.0	45
Iowa darter	104								0.0	22
Johnny darter	33								0.2	7,486
Lake sturgeon	104								0.0	22
Largemouth bass	14								1.2	36,903
Logperch	32								0.2	7,535
Longear sunfish	96								0.0	48
Longnose gar	52								0.1	2,206
Mimic shiner	5								4.1	130,038
M. silvery minnow	58								0.0	1,452
Mooneye	61								0.0	1,229
Mud darter	59								0.0	1,405
Northern hogsucker	97								0.0	47
Northern pike	50								0.1	2,672
Orangespotted sunfish	19								0.6	17,595
Orangethroat darter	123								0.0	2
Paddlefish	93								0.0	60
Pallid shiner	114								0.0	7
Pirate perch	86								0.0	111
Plains minnow	119								0.0	4
Pugnose minnow	21								0.5	15,110
Pumpkinseed	34								0.2	6,743
Quillback	38								0.2	4,867
Rainbow smelt	127								0.0	1
Red shiner	35								0.2	6,674
Redear sunfish	97								0.0	47
Redspotted sunfish	127								0.0	1
River carpsucker	24								0.4	11,552
River darter	53								0.1	2,160
River redhorse	63								0.0	1,174
River shiner	10								2.7	86,448
Rock bass	36								0.2	6,195
Rudd	123								0.0	2
Sand shiner	67								0.0	992
Sauger	16								0.7	21,630
Shorthead redhorse	17								0.7	21,405
Shortnose gar	23								0.4	12,587
Shovelnose sturgeon	65								0.0	1,131
Sicklefin chub	110								0.0	9
Silver carp	76								0.0	287
Silver chub	44								0.1	3,325
Silver lamprey	81								0.0	174
Silver redhorse	27								0.3	9,807
Silverband shiner	47								0.1	2,867
Skipjack herring	37								0.2	5,016
Slenderhead darter	72								0.0	352
Smallmouth bass	25								0.4	11,138
Smallmouth buffalo	15								1.1	34,227
Southern redbelly dace	119								0.0	4
Speckled chub	60								0.0	1,362
Spotfin shiner	9								3.0	95,415
Spottail shiner	30								0.3	8,124

Spotted bass	84							0.0	137
Spotted gar	80							0.0	236
Spotted sucker	41							0.1	3,678
Starhead topminnow	127							0.0	1
Stonecat	89							0.0	81
Striped bass	101							0.0	37
Striped mullet	127							0.0	1
Striped shiner	123							0.0	2
Suckermouth minnow	102							0.0	29
Tadpole madtom	54							0.1	1,684
Threadfin shad	6							3.7	116,315
Trout perch	79							0.0	237
Walleye	28							0.3	8,644
Warmouth	64							0.0	1,137
Weed shiner	46							0.1	3,135
Western mosquitofish	22							0.4	12,823
Western sand darter	66							0.0	1,039
White bass	7							3.2	100,425
White crappie	20							0.5	16,629
White perch	78							0.0	238
White sucker	77							0.0	269
Wiper (striped bass x white bass)	115							0.0	6
Yellow bass	55							0.1	1,683
Yellow bullhead	62							0.0	1,208
Yellow perch	31							0.3	8,007
All species									3,170,609

Appendix A.4. Total and annual catch of fish species, percentage of total catch, 10-year rank, and number of species caught in Pool 4, Upper Mississippi River, as measured by the Long Term Resources Monitoring Program, 1993-2002. Fishes are listed alphabetically by common name.

Species	Year										Total	Percentage of total	Ten-year numerical rank
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
American brook lamprey				1		1					2	0.0	77
American eel	2	6	3	6	2	1	1	2	1	1	25	0.0	61
Banded darter	1						1	1			3	0.0	76
Bigmouth buffalo	5	38	55	44	16	14	31	13	13	4	233	0.0	43
Bigmouth shiner					34	8	3	2			47	0.0	55
Black buffalo		1				2	1	1	1	5	11	0.0	65
Black bullhead	1	1				1	1	4	2	1	11	0.0	65
Black crappie	574	874	1,240	992	612	909	1,112	1,046	1,280	246	8,885	1.3	8
Blacknose dace					1						1	0.0	82
Blackside darter					1		1				2	0.0	77
Blue sucker***	1	1	3	4	5	1	2	7	1	1	26	0.0	60
Bluegill	1,432	782	1,112	1,883	1,228	2,793	3,450	2,681	4,465	1,296	21,122	3.0	3
Bluntnose minnow	1			3	40	12	2	29	23	18	128	0.0	50
Bowfin	74	102	95	162	75	60	59	56	70	27	780	0.1	29
Brook silverside	21	2		2	3	6	76	57	61	22	250	0.0	40
Brook stickleback		2		1			1				4	0.0	73
Brown bullhead	2	2	3								7	0.0	69
Bullhead minnow	157	399	127	616	642	1,443	1,244	2,597	1,124	124	8,473	1.2	9
Burbot	7	7	5	9	5	2	1	4			40	0.0	56
Central mudminow	3						1				4	0.0	73
Central stoneroller		1									1	0.0	82
Channel catfish	188	149	176	240	340	156	209	126	196	236	2,016	0.3	20
Chestnut lamprey	3		1	1	1	2		1	3	1	13	0.0	63
Common carp	1,180	1,570	1,350	1,148	1,363	1,058	1,185	1,114	781	539	11,288	1.6	5
Crystal darter***	1	3			1						5	0.0	71
Emerald shiner	3,403	10,867	120,950	32,732	18,550	55,902	121,501	89,697	37,231	29,147	519,980	74.1	1
Fathead minnow		1		1			3	4	1		10	0.0	68
Flathead catfish	27	48	46	59	65	52	84	65	86	31	563	0.1	34
Freshwater drum	682	709	1,264	956	674	596	1,077	629	600	297	7,484	1.1	10
Gizzard shad	723	6,006	3,184	4,523	1,500	2,033	2,264	8,930	5,928	1,483	36,574	5.2	2
Golden redhorse	95	46	33	60	68	51	83	65	63	37	601	0.1	33
Golden shiner	59	7	9		54	7	5	1	9	9	160	0.0	47
Goldeye	1	1			1		1		1		5	0.0	71
Grass carp		1									1	0.0	82
Green sunfish	13	31	37	53	40	41	18	20	20	12	285	0.0	38
Highfin carpsucker	1	2		2	1						6	0.0	70
Hornyhead chub					1						1	0.0	82
Johnny darter	122	363	61	148	173	103	58	26	83	9	1,146	0.2	25
Lake sturgeon***		3	1	2	4		1	1			12	0.0	64
Largemouth bass	88	323	413	566	248	288	309	285	746	257	3,523	0.5	13
Logperch	22	470	228	204	267	200	116	90	138	56	1,791	0.3	23
Longnose gar	20	8	16	18	18	19	27	26	15	8	175	0.0	45
Mimic shiner	83	461	573	1,152	1,719	1,136	1,534	2,456	983	126	10,223	1.5	6
Mooneye	12	21	20	16	26	16	28	17	3	1	160	0.0	47
Mud darter	16	32	15		4	6	2	1	14		90	0.0	54
Northern hogsucker		3		5	1	1	4		2		16	0.0	62
Northern pike	133	72	93	72	80	93	100	55	102	56	856	0.1	27
Orangespotted sunfish	1			4	1	1	1	2	1		11	0.0	65
Paddlefish**					1		1		1	1	4	0.0	73
Pallid shiner***		1									1	0.0	82
Pirate perch***	1	1									2	0.0	77
Pugnose minnow***	124	51	13	157	208	74	82	653	824	339	2,525	0.4	17
Pumpkinseed	20	13	5	10	12	47	49	16	56	11	239	0.0	41
Quillback	35	275	133	260	124	45	67	39	75	31	1,084	0.2	26
River carpsucker	21	50	19	27	11	32	36	10	17	12	235	0.0	42
River darter	4	111	26	22	332	41	31	22	40	9	638	0.1	32
River redhorse	15	61	25	59	64	60	51	43	63	31	472	0.1	36
River shiner	238	329	507	135	406	160	55	54	391	75	2,350	0.3	18
Rock bass	160	138	143	155	195	239	317	229	301	127	2,004	0.3	21
Sand shiner	103	88		9	119	12	113	47	20		511	0.1	35
Sauger	210	333	380	339	605	683	573	251	479	51	3,904	0.6	11
Shorthead redhorse	213	297	401	345	491	393	452	439	473	271	3,775	0.5	12
Shortnose gar	7	21	16	25	59	29	19	17	28	36	257	0.0	39
Shovelnose sturgeon***	1	2	2	16	8	6	14	60	15	3	127	0.0	51
Silver chub	16	34	56	43	14	22	38	32	28	8	291	0.0	37

Silver lamprey	1	4	2	2	6	3	2	5	7	5	37	0.0	57
Silver redhorse	267	408	340	338	221	285	379	451	405	206	3,300	0.5	14
Skipjack herring***	2										2	0.0	77
Slenderhead darter	3	5	1	3	5	1	2	5	6		31	0.0	59
Smallmouth bass	122	269	341	360	386	369	367	330	342	197	3,083	0.4	15
Smallmouth buffalo	155	308	192	208	171	214	231	212	304	168	2,163	0.3	19
Speckled chub	2	100	66	84	240	111	32	103	19	16	773	0.1	30
Spotfin shiner	718	3,471	448	2,003	1,984	2,339	1,932	3,922	1,130	186	18,133	2.6	4
Spottail shiner	53	350	309	109	191	222	88	52	71	30	1,475	0.2	24
Spotted sucker	88	115	48	38	72	84	114	68	50	52	729	0.1	31
Stonecat	1	1									2	0.0	77
Tadpole madtom	54	12	14	1	19	7	8	8	7	19	149	0.0	49
Trout perch	31	73	21	6	23	15	1		27	1	198	0.0	44
Walleye	120	233	274	172	323	201	174	117	357	32	2,003	0.3	22
Weed shiner	32	10	1	2		11	4	6	30		96	0.0	53
Western sand darter	40	13	9	1	22	23	10	6			124	0.0	52
White bass	378	3,184	1,260	668	953	848	565	630	722	615	9,823	1.4	7
White crappie	32	102	63	84	61	91	71	122	161	21	808	0.1	28
White sucker	23	34	15	16	24	10	12	12	8	8	162	0.0	46
Yellow bullhead	5	9	5	3	1	3	1	2	3	3	35	0.0	58
Yellow perch	235	178	167	91	489	485	309	283	501	174	2,912	0.4	16
Total	12,684	34,099	136,415	51,476	35,704	74,179	140,797	118,357	61,008	36,788	701,507	100.0	
Number of species	72	74	60	66	71	67	73	67	66	58	86		

* Minnesota endangered species

** Minnesota threatened species

*** Minnesota special concern species

Appendix A.5. Total and annual catch of fish species, percentage of total catch, 10-year rank, and number of species caught in Pool 8, Upper Mississippi River, as measured by the Long Term Resources Monitoring Program, 1993-2002. Fishes are listed alphabetically by common name.

Species	Year										Total	Percentage of total	Ten-year numerical rank
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
American brook lamprey	1	1	1	2					1	1	7	0.0	76
American eel***		1		1							2	0.0	84
Banded darter					1	1			1		3	0.0	82
Bigmouth buffalo	8	23	15	38	7	17	6	5	6	3	128	0.0	54
Black buffalo**	1							1			2	0.0	84
Black bullhead	1	1	5	2	2	10	5	3	3	1	33	0.0	65
Black crappie	1,940	2,148	1,641	2,767	2,282	1,742	1,453	859	1,751	554	17,137	3.2	9
Blackside darter					1	1		1	1	1	5	0.0	78
Blue sucker**		7	4	6	12	14	6	1	6		56	0.0	61
Bluegill	4,245	2,769	5,704	9,645	9,899	9,172	9,961	11,012	13,525	5,978	81,910	15.3	1
Bluntnose minnow	2		1	4	1		4	7	2		21	0.0	70
Bowfin	88	124	160	160	76	86	76	96	163	76	1,105	0.2	38
Brassy minnow	2							40			42	0.0	62
Brook silverside	137	25	198	403	345	697	459	379	856	322	3,821	0.7	24
Brook stickleback				4		5		2		1	12	0.0	74
Brown bullhead	2	2	2	5	3	3	5	4	1		27	0.0	67
Brown trout	1	1		1	1	1					5	0.0	78
Bullhead minnow	890	1,175	4,991	6,291	3,817	1,971	2,029	5,644	6,500	1,430	34,738	6.5	5
Burbot	10	36	23	13	5	3	3	1	1		95	0.0	56
Central mudminow	8	5	1	5	1	3	4	2	4		33	0.0	65
Channel catfish	328	868	550	791	696	710	362	307	528	1,004	6,144	1.1	18
Chestnut lamprey	15	8	9	4	15	13	12	8	1	2	87	0.0	57
Common carp	1,065	2,007	1,054	1,162	1,696	1,353	747	610	1,361	297	11,352	2.1	13
Creek chub					1						1	0.0	86
Crystal darter*	2			1		1					4	0.0	81
Emerald shiner	3,040	2,284	5,914	6,571	8,579	13,466	13,030	7,355	12,257	2,366	74,862	14.0	2
Fantail darter				1	1				1		3	0.0	82
Fathead minnow	106	2	50	19	10	11	3	15	5	4	225	0.0	51
Flathead catfish	80	71	88	87	97	145	84	76	86	56	870	0.2	39
Freshwater drum	630	4,007	1,882	702	1,463	658	437	418	617	220	11,034	2.1	15
Gizzard shad	177	5,101	3,460	2,306	2,035	557	1,788	1,632	4,379	534	21,969	4.1	7
Golden redhorse	191	283	224	392	275	433	417	251	221	77	2,764	0.5	29
Golden shiner	64	31	81	584	58	88	74	121	140	55	1,296	0.2	35
Goldeye*		14	1			1		1			17	0.0	71
Green sunfish	216	24	65	194	141	175	87	262	138	44	1,346	0.3	34
Highfin carpsucker	2	1	2	7	7	5	1	4	2	9	40	0.0	63
Iowa darter	1	3			1	9	1	2	5		22	0.0	69
Johnny darter	309	561	255	287	667	1,255	136	256	603	98	4,427	0.8	20
Lake sturgeon***			1								1	0.0	86
Largemouth bass	343	706	2,024	1,351	646	743	1,533	1,074	3,830	1,216	13,466	2.5	11
Logperch	98	600	259	290	894	1,427	114	237	122	93	4,134	0.8	22
Longnose gar	212	120	110	96	128	138	154	94	135	66	1,253	0.2	36
Mimic shiner	206	1,122	971	2,446	4,167	8,215	3,805	5,683	8,588	739	35,942	6.7	4
M. silvery minnow	450	2	11		1		1	2			467	0.1	46
Mooneye	52	157	81	56	49	70	21	41	44	4	575	0.1	42
Mud darter***	66	92	46	34	33	57	24	26	150	6	534	0.1	43
Northern hogsucker	1		1	1	17	2	2		2		26	0.0	68
Northern pike	117	99	129	155	125	192	204	108	197	114	1,440	0.3	33
Orangespotted sunfish	45	58	379	747	861	426	92	61	72	26	2,767	0.5	28
Pallid shiner*	5								1		6	0.0	77
Pirate perch***		1		2			1			1	5	0.0	78
Pugnose minnow***	816	444	933	1,738	3,048	1,001	742	1,248	1,268	247	11,485	2.1	12
Pumpkinseed	48	55	57	67	216	239	212	94	137	47	1,172	0.2	37
Quillback	234	879	942	406	247	486	22	24	80	8	3,328	0.6	25
Rainbow smelt	1										1	0.0	86
River carpsucker	16	22	30	27	26	44	24	12	41		242	0.0	49
River darter	14	88	10	10	64	199	5	31	7	2	430	0.1	47
River redhorse**	69	117	88	87	88	66	59	71	44	11	700	0.1	41
River shiner	792	3,131	2,937	2,513	2,887	3,230	2,450	1,321	3,582	383	23,226	4.3	6
Rock bass	230	272	405	419	483	456	529	478	544	179	3,995	0.7	23
Sand shiner	9	11	6	47	7	12	9	49	4		154	0.0	53
Sauger	877	1,138	1,004	1,031	1,942	2,087	1,287	897	823	47	11,133	2.1	14
Shorthead redhorse	902	1,627	1,723	1,903	1,512	1,670	1,466	1,215	1,221	662	13,901	2.6	10
Shortnose gar	213	219	222	400	330	289	243	241	101	146	2,404	0.4	30
Shovelnose sturgeon	16	18	5	1	4	1	2	1	10	10	68	0.0	60

Silver chub***	8	63	25	10	23	2	8	4	38	18	199	0.0	52
Silver lamprey	5	12	20	17	13	6	10	17	12	2	114	0.0	55
Silver redhorse	418	728	619	768	716	905	787	684	485	312	6,422	1.2	17
Skipjack herring*	1										1	0.0	86
Slenderhead darter	18	28	58	28	34	47	4	19	12	3	251	0.0	48
Smallmouth bass	437	704	873	1,061	925	1,196	782	636	668	218	7,500	1.4	16
Smallmouth buffalo	134	567	217	329	449	292	90	105	46	9	2,238	0.4	31
Speckled chub**				1			6		1	4	12	0.0	74
Spotfin shiner	6,463	4,342	4,327	10,140	11,098	7,051	6,256	5,804	10,502	2,702	68,685	12.8	3
Spottail shiner	225	328	461	168	497	916	86	147	231	87	3,146	0.6	26
Spotted sucker	180	158	231	287	227	288	222	165	295	170	2,223	0.4	32
Stonecat		1		2	3	2			3	2	13	0.0	73
Tadpole madtom	75	23	10	19	21	50	79	83	107	59	526	0.1	44
Trout perch	15	6	2		2	4	1	4	4		38	0.0	64
Walleye	185	677	509	470	803	557	266	325	1,039	37	4,868	0.9	19
Warmouth	10	16	11	14	11	9	48	53	54	16	242	0.0	49
Weed shiner***	147	2	2	7	22	69	450	262	1,932	146	3,039	0.6	27
Western sand darter***	101	81	79	60	264	73	115	60	31	4	868	0.2	40
White bass	296	5,873	1,824	3,463	1,535	3,075	625	1,021	3,197	461	21,370	4.0	8
White crappie	90	46	56	55	59	62	44	18	46	8	484	0.1	45
White sucker	6	2	3	23	6	8	5	12	6	3	74	0.0	59
Yellow bass	1	4	2			2	1	3		1	14	0.0	72
Yellow bullhead	7	12		33	8	3	6	2	5	1	77	0.0	58
Yellow perch	191	476	267	331	795	1,199	528	196	305	83	4,371	0.8	21
Total	28,407	46,710	48,351	63,568	67,481	69,472	54,610	52,003	83,187	21,486	535,275	100.0	
Number of species/year	77	74	71	75	75	75	72	74	75	65	89		

*Wisconsin endangered species

**Wisconsin threatened species

*** Wisconsin special concern species

Appendix A.6. Total and annual catch of fish species, percentage of total catch, 10-year rank, and number of species caught in Pool 13, Upper Mississippi River, as measured by the Long Term Resources Monitoring Program, 1993-2002. Fishes are listed alphabetically by common name.

Species	Year										Total	Percentage of total	Ten-year numerical rank
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
Bigmouth buffalo	22	81	34	33	59	30	16	42	22	25	364	0.1	40
Bigmouth shiner							1				1	0.0	78
Black buffalo	1	1			4	4	4	7	3	14	38	0.0	58
Black bullhead	22	21	11	3	37	2	6	9	4	9	124	0.0	50
Black crappie	1,487	1,710	1,263	1,090	871	506	564	717	1,520	571	10,299	2.1	10
Blue sucker	1	2	1	1	2					1	8	0.0	64
Bluegill	4,163	2,574	5,921	8,475	9,967	7,710	7,753	6,834	14,581	8,263	76,241	15.3	3
Bluntnose darter*						1	1	2	4		8	0.0	64
Bluntnose minnow	5				51		43	15		2	116	0.0	51
Bowfin	59	88	56	57	50	27	30	46	98	52	563	0.1	34
Brook silverside	152	137	129	68	821	1,224	633	1,841	161	41	5,207	1.0	15
Brook stickleback					2	2					4	0.0	68
Brown trout			1								1	0.0	78
Bullhead minnow	1,785	486	606	1,546	1,087	1,502	848	2,147	1,749	250	12,006	2.4	8
Central mudminow								18	2		20	0.0	62
Central stoneroller								1			1	0.0	78
Channel catfish	207	263	382	461	474	526	208	325	490	1,039	4,375	0.9	17
Channel shiner							1	3			4	0.0	68
Chestnut lamprey**					1	1	2				4	0.0	68
Common carp	791	1,982	1,336	1,269	1,398	803	694	659	585	431	9,948	2.0	11
Creek chub	1								1	1	3	0.0	73
Emerald shiner	3,112	4,902	17,267	7,898	11,498	4,112	19,097	11,519	3,420	12,476	95,301	19.1	1
Fantail darter						1					1	0.0	78
Fathead minnow	3	3	6	3	29	3	1	5	1		54	0.0	53
Flathead catfish	28	51	64	74	44	56	43	46	68	53	527	0.1	35
Freckled madtom*									1		1	0.0	78
Freshwater drum	468	21,932	2,354	1,995	1,456	640	500	557	244	225	30,371	6.1	6
Gizzard shad	291	3,627	3,274	1,335	2,037	3,278	9,113	7,598	2,203	789	33,545	6.7	5
Golden redhorse	3	6	22	15	11	29	9	4	6	2	107	0.0	52
Golden shiner	118	89	96	158	112	331	254	368	202	353	2,081	0.4	23
Goldeye							1		1		2	0.0	74
Grass pickerel**								1			1	0.0	78
Green sunfish		2		4	8	6	2	3	15	10	50	0.0	54
Highfin carpsucker	24	173	79	18	15	50	9	2	7	6	383	0.1	39
Johnny darter	140	662	104	73	99	225	55	124	283	48	1,813	0.4	25
Lake sturgeon*						1					1	0.0	78
Largemouth bass	351	548	3,813	2,380	861	646	1,019	759	966	721	12,064	2.4	7
Logperch	76	169	93	59	183	139	43	54	141	15	972	0.2	30
Longnose gar	32	15	23	36	36	44	37	36	53	24	336	0.1	42
Mimic shiner	313	620	909	2,678	1,309	18,111	5,635	39,516	9,522	5,247	83,860	16.8	2
M. silvery minnow	3	1	1	2	2		4	7	5		25	0.0	59
Mooneye	53	27	10	8	30	1	14	7	7	2	159	0.0	49
Mud darter	34	277	33	45	11	31	22	7	49		509	0.1	36
Northern hogsucker	2										2	0.0	74
Northern pike	28	19	49	38	47	21	21	42	38	42	345	0.1	41
Orangespotted sunfish	142	134	651	1,643	1,313	1,213	808	966	646	1,924	9,440	1.9	12
Pugnose minnow***	19	63	38	46	443	98	40	95	23	222	1,087	0.2	28
Pumpkinseed	258	68	381	325	765	407	865	891	618	747	5,325	1.1	14
Quillback	7	40	94	60	65	10	18	9	6	2	311	0.1	43
River carpsucker	53	2,379	478	502	1,693	172	41	60	51	39	5,468	1.1	13
River darter	170	480	37	39	53	108	13	55	10	9	974	0.2	29
River shiner	2,313	3,640	5,917	7,872	8,995	6,926	2,642	10,456	4,142	266	53,169	10.7	4
Rock bass	6	15	2	11	9	14	21	15	50	51	194	0.0	48
Rudd							2				2	0.0	74
Sand shiner					1		2	2	2		7	0.0	66
Sauger	192	374	199	343	511	492	499	308	271	70	3,259	0.7	20
Shorthead redhorse	216	210	400	202	203	320	301	182	90	113	2,237	0.4	22
Shortnose gar	158	127	215	162	193	138	139	205	405	272	2,014	0.4	24
Shovelnose sturgeon	8	73	36	53	28	55	69	51	69	59	501	0.1	37
Silver chub	320	332	64	270	86	132	54	192	132	23	1,605	0.3	26
Silver lamprey	1	2	1	3	5	3		2	1	3	21	0.0	61
Silver redhorse	2	6	13	1	7	7	2	4		2	44	0.0	56
Slenderhead darter		1	2	5	2	4	3	2	5	1	25	0.0	59
Smallmouth bass	5	12	22	41	71	68	77	69	83	21	469	0.1	38
Smallmouth buffalo	149	826	1,152	443	722	391	357	284	202	129	4,655	0.9	16
Southern redbelly dace	2				2						4	0.0	68

Speckled chub	4	4	9	1	7	23	14	69	60	4	195	0.0	47
Spotfin shiner	317	399	94	164	313	497	422	475	878	201	3,760	0.8	19
Spottail shiner	30	268	129	77	111	134	833	401	304	726	3,013	0.6	21
Spotted gar								2			2	0.0	74
Spotted sucker	95	85	107	62	93	58	67	54	58	46	725	0.1	32
Stonecat	6	4	7	3		3	5	11	8		47	0.0	55
Suckermouth minnow	1		1		1		3	1			7	0.0	66
Tadpole madtom	41	28	74	184	44	154	151	100	117	70	963	0.2	31
Walleye	149	362	134	148	239	184	75	137	145	17	1,590	0.3	27
Warmouth	24	5	10	24	26	22	29	18	18	23	199	0.0	46
Western sand darter**	6				1	2	4	22	4		39	0.0	57
White bass	280	2,222	1,277	1,606	969	1,034	1,066	550	988	402	10,394	2.1	9
White crappie	424	594	340	228	251	252	418	298	467	506	3,778	0.8	18
White sucker	4	3	1		1	1	3		1	2	16	0.0	63
Wiper****						1		2		1	4	0.0	68
Yellow bass	2	19	17	31	23	24	118	48	15	7	304	0.1	44
Yellow bullhead	61	18	14	34	47	3	3	16	15	11	222	0.0	45
Yellow perch	168	56	41	26	125	42	67	33	112	51	721	0.1	33
Total	19,408	53,317	49,894	44,431	50,030	53,055	55,914	89,406	46,448	36,732	498,635	100.0	
Number of species/year	65	61	61	59	67	65	69	69	66	59	83		

* Iowa endangered species

** Iowa threatened species

*** Iowa special concern species

**** Not considered a species

Appendix A.7. Total and annual catch of fish species, percentage of total catch, 10-year rank, and number of species caught in Pool 26, Upper Mississippi River, as measured by the Long Term Resources Monitoring Program, 1993-2002. Fishes are listed alphabetically by common name.

Species	Year										Total	Percentage of total	Ten-year numerical rank
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
American eel		1	1	2	1		1	1		1	8	0.0	65
Bigeye shiner*				2	1		3				6	0.0	71
Bighead carp	1	3	4	16	14	19	36	124	11	50	278	0.1	33
Bigmouth buffalo	382	77	87	74	71	39	51	68	52	47	948	0.3	21
Bigmouth shiner		2				2	4				8	0.0	65
Black buffalo	5	47	63	43	77	18	48	31	14	28	374	0.1	31
Black bullhead	17	57	14	2			9	3	1		103	0.0	44
Black crappie	132	1,813	651	201	89	105	166	108	239	319	3,823	1.4	14
Blackstripe topminnow		1		1					6		8	0.0	65
Blue catfish	7	1	15	5	3	12	19	89	494	344	989	0.4	20
Blue sucker	2		1	2	1	1	2	2	1		12	0.0	62
Bluegill	546	1,393	914	520	616	942	683	1,966	791	890	9,261	3.4	7
Bluntnose minnow			4	2	9	6	1	6		9	37	0.0	54
Bowfin	5	18	24	12	5	7	12	17	13	5	118	0.0	41
Brook silverside	6	1	59	11	1	99	27	39	8	4	255	0.1	34
Brown bullhead	6	7	8	1	2	1			1		26	0.0	56
Bullhead minnow	34	106	135	293	383	231	282	123	648	332	2,567	0.9	16
Central stoneroller			1	4		3	3			3	14	0.0	60
Channel catfish	1,265	835	905	532	1,002	947	818	1,055	2,861	1,595	11,815	4.3	5
Channel shiner	10	151	560	6,794	310	344	1,301	2,337	1,460	245	13,512	4.9	4
Chestnut lamprey		1			1	1					3	0.0	77
Common carp	346	5,293	2,298	2,218	1,895	1,172	1,470	1,146	871	984	17,693	6.5	3
Creek chub							1		1	1	3	0.0	77
Emerald shiner	504	2,947	1,251	944	3,211	5,007	2,319	10,574	2,739	4,917	34,413	12.6	2
Fathead minnow	2							1			3	0.0	77
Flathead catfish	44	146	128	84	72	65	53	61	89	84	826	0.3	23
Freckled madtom	2				1		2		1	2	8	0.0	65
Freshwater drum	434	1,278	1,505	833	1,428	1,821	1,661	896	957	699	11,512	4.2	6
Ghost shiner								1			1	0.0	84
Gizzard shad	5,286	3,658	15,089	8,947	11,904	11,295	14,333	4,166	3,144	33,388	111,210	40.7	1
Golden redhorse	3	5	1		7	2		1			19	0.0	57
Golden shiner	4		12	8	1	3	9		5	3	45	0.0	50
Goldeye	3	11	198	18	27	12	2	6	13	3	293	0.1	32
Goldfish	1	5	1	2		1				1	11	0.0	64
Grass carp		4	1	5	26	4	9	41	8	12	110	0.0	43
Grass pickerel	2			1						1	4	0.0	76
Green sunfish	81	58	3	2	22	25	9	51	157	301	709	0.3	25
Lake sturgeon*		2	1			1	2		2		8	0.0	65
Largemouth bass	77	269	97	44	41	73	85	54	234	75	1,049	0.4	18
Logperch	6	14	8	3	1	1	9	3	17	4	66	0.0	49
Longnose gar	3	8	12	9	11	11	17	4	4	2	81	0.0	47
M. silvery minnow			4	89	1	14	120	125	45	207	605	0.1	27
Mooneye	12	1	101	10	4	7	53	24	33	4	249	0.1	35
Mud darter	1		1	4	2	1	2			1	12	0.0	62
Northern pike			1				1				2	0.0	81
Orangespotted sunfish	103	320	34	412	559	678	711	576	380	338	4,111	1.5	13
Paddlefish		1		1	2	2		9	1		16	0.0	59
Pirate perch	4								1		5	0.0	75
Quillback	2	5	4	2	14	5	3	8			43	0.0	51
Red shiner	11	186	85	48	9	8	86	7	48	2	490	0.2	28
Redear sunfish	1		2						1	2	6	0.0	71
River carpsucker	49	211	295	102	117	160	298	94	96	189	1,611	0.6	17
River darter	18	11	16	5	6	1	10	13	20		100	0.0	45
River shiner	60	1,491	641	3,528	270	125	159	203	446	70	6,993	2.6	10
Sand shiner	1	4	20	18	4	10	14	42	4	3	120	0.0	40
Sauger	34	137	80	77	63	53	54	11	136	46	691	0.3	26
Shorthead redhorse	10	30	32	10	19	34	13	18	12	26	204	0.1	37
Shortnose gar	91	326	546	366	343	348	254	382	564	270	3,490	1.3	15
Shovelnose sturgeon		132	10	3	21	7	24	23	21	8	249	0.1	35
Silver carp						2	3	8	9	5	27	0.0	55
Silver chub	35	73	30	24	16	99	64	94	29	21	485	0.2	29
Silver lamprey		1	1								2	0.0	81
Silverband shiner		69	67	192	56	79	50	190	101	126	930	0.3	22
Skipjack herring	9	22	129	32	130	92	138	40	64	107	763	0.2	24
Slenderhead darter	1		3	5	4	1					14	0.0	60
Smallmouth bass			1		2				2	2	7	0.0	70

Smallmouth buffalo	423	504	1,023	1,072	879	500	507	558	343	349	6,158	2.3	11
Speckled chub		11	9	18	16	19	49	14	54		190	0.1	39
Spotfin shiner	21	520	331	1,442	492	96	201	712	761	174	4,750	1.7	12
Spottail shiner	2		4	10	7	1	3		13	2	42	0.0	53
Spotted gar	1	11	10	9	14	10	15	32	3	6	111	0.0	42
Spotted sucker								1			1	0.0	84
Starhead topminnow	1										1	0.0	84
Stonecat					1			1	1		3	0.0	77
Striped shiner									1		1	0.0	84
Suckermouth minnow		3	9	3			2				17	0.0	58
Tadpole madtom	3	1	1					1			6	0.0	71
Threadfin shad	14	32	1	50	3	48	19	24	182	75	448	0.2	30
Walleye	7	11	6	6		5	2	2	4		43	0.0	51
Warmouth	21	8	15	7	9	24	28	17	31	39	199	0.1	38
Western mosquitofish	2	98	830	143	1,039	3,689	349	1,876	83	276	8,385	3.1	8
Western sand darter			4		1			1			6	0.0	71
White bass	618	924	766	1,783	587	928	881	320	885	446	8,138	3.0	9
White crappie	75	183	94	61	47	76	80	98	208	98	1,020	0.4	19
White perch								1			1	0.0	84
White sucker	1										1	0.0	84
Wiper**				1				1			2	0.0	81
Yellow bass	14	18	15	3	7		3	16	13	6	95	0.0	46
Yellow bullhead	40	17	9	2	1		2			1	72	0.0	48
Yellow perch					1						1	0.0	84
Total	10,901	23,573	29,281	31,173	25,979	29,392	27,645	28,516	19,437	47,248	273,145	100.0	
Number of species/year	62	62	70	66	66	63	66	63	64	59	89		

* Illinois endangered species

** Not considered a species

Appendix A.8. Total and annual catch of fish species, percentage of total catch, 10-year rank, and number of species caught in Open River Reach, Upper Mississippi River, as measured by the Long Term Resources Monitoring Program, 1993-2002. Fishes are listed alphabetically by common name.

Species	Year										Total	Percentage of total	Ten-year numerical rank
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
American eel	3	1	6	3	3	5	2	4	2	1	30	0.0	53
Bigeye chub			1								1	0.0	90
Bigeye shiner		1		1	2						4	0.0	73
Bighead carp		1		10	15	32	4	17	6	5	90	0.1	36
Bigmouth buffalo	141	60	47	11	37	20	19	37	16	10	398	0.3	23
Black buffalo	8	18	64	55	52	72	46	89	41	32	477	0.4	21
Black bullhead	43	3	2	1					1		50	0.0	43
Black crappie	7,073	137	113	49	8	6	7	5	62	17	7,477	5.6	3
Blackspotted topminnow			5						2	1	8	0.0	67
Blackstripe topminnow		1			2	11	6	3	7	2	32	0.0	51
Blacktail shiner	1	3		1	12	9	10	15	7	5	63	0.0	41
Bleeding shiner							1				1	0.0	90
Blue catfish	9	70	35	53	44	25	44	27	102	100	509	0.4	20
Blue sucker***	9	1	3	1	6	1	26	3	3	11	64	0.0	40
Bluegill	85	1,024	402	122	55	272	92	63	182	212	2,509	1.9	9
Bluntnose darter					3		1				4	0.0	73
Bluntnose minnow		1	4		16	3	6	9	2	3	44	0.0	45
Bowfin	1	4	13	6	2	2		6	2		36	0.0	47
Brook silverside	4		2	5	6	36	15	72	109	10	259	0.2	26
Bullhead minnow	7	2	5	4	31	14	28	7	64	12	174	0.1	32
Central stoneroller	1		5	2	4	1	4				17	0.0	57
Channel catfish	238	805	462	620	1,125	618	771	685	816	1,190	7,330	5.5	4
Channel shiner	6	67	71	731	870	439	2,598	854	874	460	6,970	4.9	6
Chestnut lamprey	3	6	2	4	3	6	3	2	1	5	35	0.0	48
Common carp	97	1,641	741	802	634	509	736	381	360	445	6,346	4.8	7
Creek chub				1			1				2	0.0	81
Dusky darter									2	1	3	0.0	78
Emerald shiner	74	714	187	84	1,561	1,166	244	1,988	816	243	7,077	5.3	5
Fathead minnow						1					1	0.0	90
Flathead catfish	29	168	160	102	88	78	86	58	58	77	904	0.7	16
Flier	1		1								2	0.0	81
Freckled madtom	3	17	10	14	5	3	15	4	4	6	81	0.1	37
Freshwater drum	526	4,020	6,953	3,248	11,131	3,003	2,778	608	2,428	1,206	35,901	27.0	2
Gizzard shad	2,700	1,481	7,035	2,836	1,794	4,734	4,853	2,898	2,935	4,731	35,997	27.1	1
Golden redhorse		1				1			1		3	0.0	78
Golden shiner	1			1							2	0.0	81
Goldeye	88	7	848	220	28	68	760	58	71	98	2,246	1.6	11
Goldfish		1	1								2	0.0	81
Grass carp	2	2	2		3	5	3	6	2	4	29	0.0	54
Green sunfish	132	9	12	6	7	19	8	10	44	337	584	0.4	18
Greenside darter			1								1	0.0	90
Inland silverside								44		1	45	0.0	44
Jonny darter	1									1	2	0.0	81
Largemouth bass	20	4	4	2	11	3	2	1	6	4	57	0.0	42
Logperch	3		5	2	5	1	5	1	1	9	32	0.0	51
Longear sunfish		2	6	2	2	13		2	7		34	0.0	50
Longnose gar	4	11	5	18	5	22	20	5	12	18	120	0.1	35
Mimic shiner			12		1						13	0.0	61
Mississippi silvery minnow****		1	34	219	38	8	28	6	14	7	355	0.3	24
Mooneye***	4		7		6	2	58		4		81	0.1	37
Mud darter		2				5	1			2	10	0.0	63
Orangespotted sunfish	20	13	5	7	12	107	24	28	35	73	324	0.2	25
Orangethroat darter							2				2	0.0	81
Paddlefish***		6	3		13	4		7	2		35	0.0	48
Pirate perch	3					1					4	0.0	73
Plains minnow			1	2			1				4	0.0	73
Pugnose minnow****							1	1	11		13	0.0	61
Quillback	2	5	1		1						9	0.0	65
Red shiner	43	88	163	213	676	607	591	821	979	198	4,379	3.3	8
Redear sunfish	4	1									5	0.0	70
Redspotted sunfish									1		1	0.0	90
River carpsucker	26	465	143	114	111	114	72	377	141	49	1,612	1.2	13
River darter***			5	1	1		7		4		18	0.0	56
River redhorse					2						2	0.0	81
River shiner	2	113	98	139	64	20	33	12	44	24	549	0.4	19

Sand shiner						1	2	2			5	0.0	70
Sauger	38	8	28	30	14	11	28	14	40	14	225	0.2	28
Shorthead redhorse		2		2			2	5	3	1	15	0.0	59
Shortnose gar	17	124	145	70	158	261	95	148	187	80	1,285	1.0	14
Shovelnose sturgeon	1	14	7	16	46	13	3	27	54	4	185	0.1	31
Sicklefin chub***			1		6	2					9	0.0	65
Silver carp								31	4	9	44	0.0	45
Silver chub	32	30	38	18	3	18	13	2	20		174	0.1	32
Silverband shiner	19	47	111	102	137	33	353	202	174	33	1,211	0.9	15
Skipjack herring	14	25	15	11	20	7	57	34	10	42	235	0.1	27
Slenderhead darter	3		1								4	0.0	73
Smallmouth bass							1	2			3	0.0	78
Smallmouth buffalo	87	110	178	291	257	279	214	166	128	150	1,860	1.4	12
Speckled chub	3	1	1	5	35	23	15	50	54	5	192	0.1	30
Spotfin shiner	1		7		3	1		6		2	20	0.0	55
Spottail shiner			1				1				2	0.0	81
Spotted bass	1	5	19	19	14	3	2	46	19	9	137	0.1	34
Spotted gar	1		1	1	1	1			1	1	7	0.0	68
Stonecat			1	1	1		4		2	1	10	0.0	63
Striped bass	1	4	1		1		4		6		17	0.0	57
Striped mullet								1			1	0.0	90
Striped shiner						1					1	0.0	90
Tadpole madtom	1										1	0.0	90
Threadfin shad	16	17	6	8		101	10	224	14	14	410	0.3	22
Trout perch*							1				1	0.0	90
Walleye	1					4					5	0.0	70
Warmouth	2		18	17	1	7	8	1	9	2	65	0.0	39
Western mosquitofish	6	2	19	5	12	85	34	11	26	4	204	0.2	29
Western sand darter**				1	1						2	0.0	81
White bass	245	208	450	308	209	172	271	122	125	330	2,440	1.8	10
White crappie	159	61	244	77	37	25	56	3	73	26	761	0.6	17
Yellow bass	5	9			1						15	0.0	59
Yellow bullhead		3		1				2			6	0.0	69
Total	12,070	11,647	18,977	10,695	19,452	13,114	15,186	10,313	11,230	10,337	133,021	100.0	
Number of species/year	60	58	66	58	64	62	64	59	63	56	98		

* Missouri endangered species

** Missouri threatened species

*** Missouri special concern species

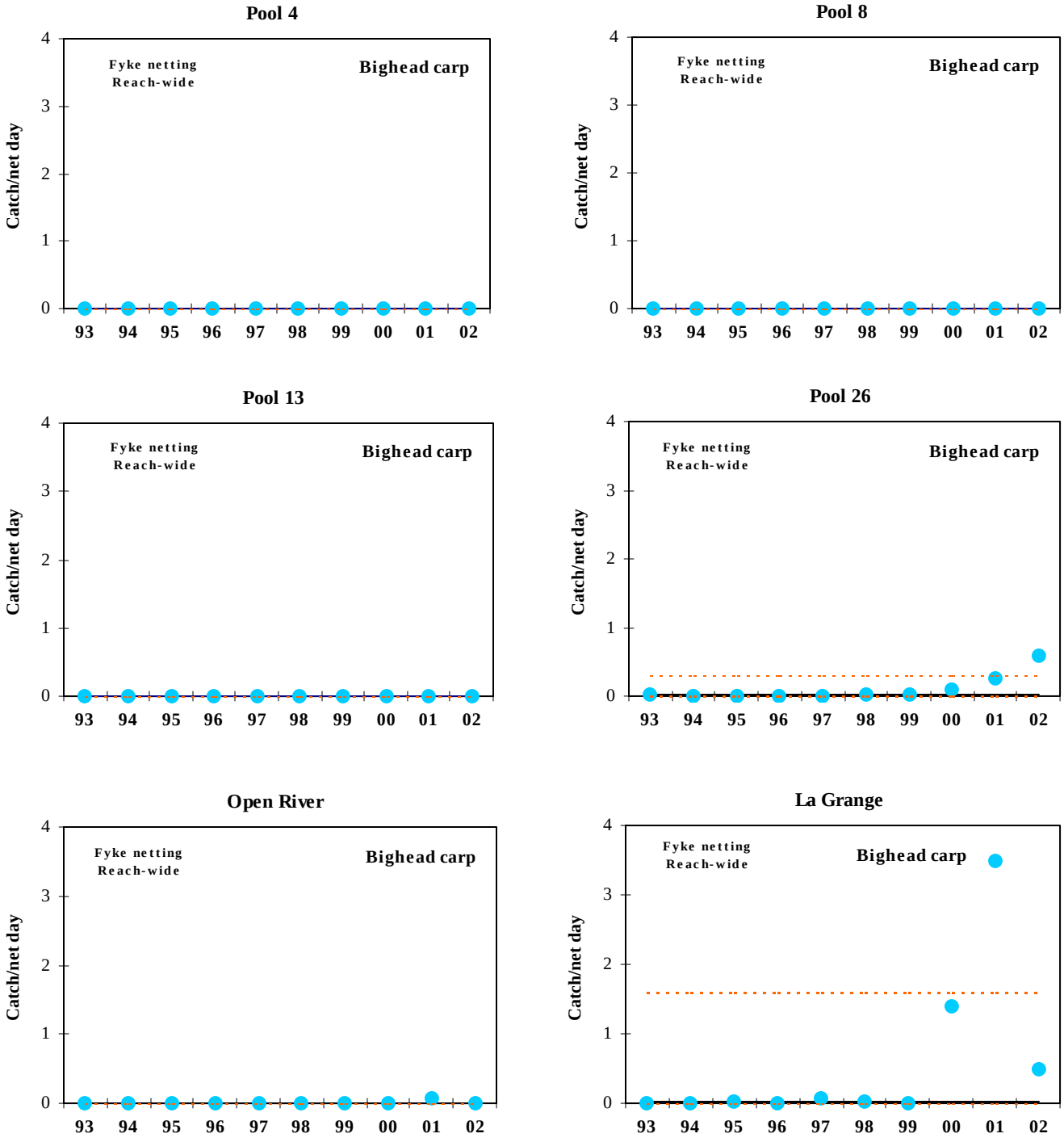
**** Missouri rare species

Appendix A.9. Total and annual catch of fish species, percentage of total catch, 10-year rank, and number of species caught in the La Grange Pool, Illinois River, as measured by the Long Term Resources Monitoring Program, 1993-2002. Fishes are listed alphabetically by common name.

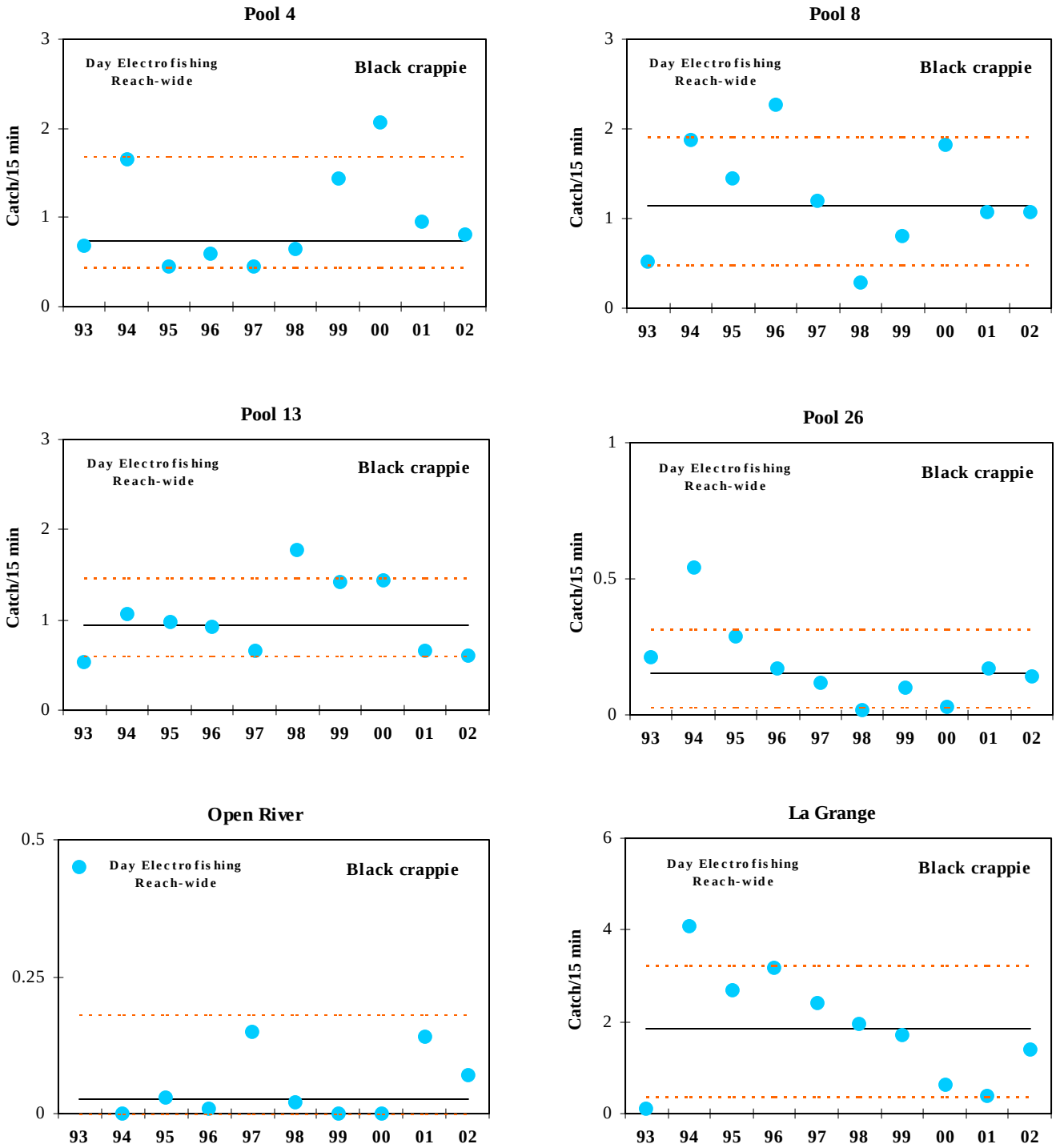
Species	Year										Total	Percentage of total	Ten-year numerical rank
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
American eel		1	1		1				1	1	5	0.0	74
Bighead carp			1		3	2	1	1,142	653	156	1,958	0.2	21
Bigmouth buffalo	91	831	619	701	748	486	582	806	765	598	6,227	0.6	13
Black buffalo	14	97	98	67	40	41	60	89	56	61	623	0.1	33
Black bullhead	93	38	142	75	70	87	35	54	1,132	1,170	2,896	0.3	17
Black crappie	206	4,637	2,258	1,777	2,612	946	2,521	378	1,045	1,116	17,496	1.7	8
Blacknose dace			1	1	1	1					4	0.0	79
Blackside darter						2	3				5	0.0	74
Blackstripe topminnow	71	26	19	43	28	43	43	9	18	3	303	0.0	41
Blue catfish		10						1			11	0.0	71
Blue sucker										1	1	0.0	85
Bluegill	907	4,207	5,528	2,988	4,214	4,917	9,839	7,081	3,051	10,585	53,317	5.2	4
Bluntnose minnow	17	2	18	7	29	399	6	38	39	21	576	0.1	34
Bowfin	1	35	18	15	71	5	20	15	37	45	262	0.0	42
Brook silverside	107	16	68	154	21	114	127	39	54	99	799	0.1	29
Brown bullhead	116	124	244	77	90	53	105	35	28	39	911	0.1	27
Bullhead minnow	319	90	66	228	285	277	256	182	539	384	2,626	0.3	18
Central stoneroller	15		3	15	1	4	7		2	24	71	0.0	57
Channel catfish	709	5,280	1,582	1,268	920	1,496	1,071	1,035	1,709	1,630	16,700	1.6	10
Chestnut lamprey				1	1	1					3	0.0	81
Common carp	1,218	10,148	6,208	4,408	5,517	3,072	2,596	3,598	3,412	3,060	43,237	4.2	6
Creek chub	14					24		1	22		61	0.0	59
Emerald shiner	5,750	601	4,680	3,671	16,807	11,009	10,254	34,628	14,673	11,019	113,092	11.0	3
Fathead minnow	1	1	2	4	3	1		1	1	1	15	0.0	69
Flathead catfish	29	75	107	66	66	72	88	129	93	89	814	0.1	28
Freckled madtom				1	1				2		4	0.0	79
Freshwater drum	1,510	2,918	3,581	2,403	6,738	1,930	5,819	2,590	5,081	4,136	36,706	3.6	7
Gizzard shad	9,669	4,940	66,001	64,884	117,597	36,561	19,849	28,064	29,534	125,714	502,813	48.9	1
Golden redhorse	2	3	18	18	29	8	15	13	8	4	118	0.0	51
Golden shiner	168	39	427	50	14	54	110	16	40	68	986	0.1	25
Goldeye	5	21	65	22	4	5	9		9	6	146	0.0	49
Goldfish	12	19	35	71	23	11	26	32	36	52	317	0.0	40
Grass carp		17	8	2	220	30	55	269	62	37	700	0.1	32
Grass pickerel	3	1	7	2	1	2	1	1		1	19	0.0	67
Green sunfish	32	45	74	66	54	82	39	27	54	77	550	0.1	36
Highfin carpsucker	3	1	1	3	10	7	4	2	4	6	41	0.0	60
Jonny darter	4	1	74	5		3	6			5	98	0.0	53
Largemouth bass	228	589	670	506	888	730	1,295	819	578	441	6,744	0.7	12
Logperch	23	7	86	97	35	50	89	18	37	98	540	0.1	37
Longear sunfish							6		8		14	0.0	70
Longnose gar	16	11	29	18	12	54	34	22	18	37	251	0.0	43
Mooneye				4		1					5	0.0	74
Mud darter	1	2	91	6		15	88	1	1	45	250	0.0	44
Northern hogsucker		1		1					1		3	0.0	81
Northern pike	2	12	2			7	1		3	2	29	0.0	64
Orangespotted sunfish	11	27	39	23	79	98	72	101	314	178	942	0.1	26
Paddlefish	1		1			2				1	5	0.0	74
Pirate perch	1	1	2	3		4	57		2	25	95	0.0	54
Pumpkinseed		1	6								7	0.0	72
Quillback	5	2	9	4	29	11	12	5	1	14	92	0.0	55
Red shiner	76	303	137	157	373	126	29	92	392	120	1,805	0.2	22
Redear sunfish	8		6	3		5	2	4	1	7	36	0.0	63
River carpsucker	137	174	318	242	280	266	230	222	189	326	2,384	0.2	20
River shiner				49	1	1	8	1	71	30	161	0.0	48
Rock bass			2								2	0.0	83
Sand shiner	92				73	4	6		17	3	195	0.0	47
Sauger	222	372	191	410	181	529	194	109	161	49	2,418	0.2	19
Shorthead redhorse	32	159	365	152	133	172	74	89	59	38	1,273	0.1	23
Shortnose gar	87	229	455	236	284	168	325	174	856	323	3,137	0.3	16
Shovelnose sturgeon								1			1	0.0	85
Silver carp						2		74	74	66	216	0.0	46
Silver chub	133	35	35	32	50	70	36	153	6	21	571	0.1	35
Silver redhorse	1	1	4	21	3	3	1	2	5		41	0.0	60
Silverband shiner	12	2	4	3	185	185	113	30	108	84	726	0.1	31
Skipjack herring	118	72	54	204	1,044	1,410	216	317	271	309	4,015	0.4	15
Slenderhead darter	1				1	7	3	4	11		27	0.0	65

Smallmouth bass			8	25	12	9	3	2	8	9	76	0.0	56
Smallmouth buffalo	871	2,291	1,989	1,738	1,615	1,824	1,739	1,996	1,883	1,207	17,153	1.7	9
Spotfin shiner	67										67	0.0	58
Spottail shiner		70	14	62	61	39	12	5	4	179	446	0.0	38
Spotted gar	7	2	6	13	21	11	20	9	8	19	116	0.0	52
Stonecat				1	1	2			1	1	6	0.0	73
Striped bass		1	2	3	1	6	2		5		20	0.0	66
Suckermouth minnow	1			1		2			1		5	0.0	74
Tadpole madtom	6		1	2		2	24	1	3		39	0.0	62
Threadfin shad	292	276	72	1,106	108	704	1,765	556	95,828	14,750	115,457	11.2	2
Walleye	15	24	11	12	9	19	12	14	15	4	135	0.0	50
Warmouth	26	23	54	28	45	36	135	36	15	34	432	0.0	39
Western mosquitofish	677	18	165	127	491	904	204	185	955	508	4,234	0.4	14
White bass	4,670	4,488	3,996	9,287	2,941	7,858	3,097	4,208	2,913	4,802	48,260	4.7	5
White crappie	68	1,489	1,395	693	718	565	788	324	842	2,896	9,778	1.0	11
White sucker	1			3	1	10				1	16	0.0	45
White perch	2	9	7	25	10	42	54	37	43	8	237	0.0	68
Yellow bass	10	77	108	68	204	85	115	205	262	121	1,255	0.1	24
Yellow bullhead	66	60	175	49	107	51	111	39	55	83	796	0.1	30
Yellow perch		1	1								2	0.0	83
Total	29,072	45,053	102,464	98,507	166,215	77,834	64,519	90,130	168,185	187,047	1,029,026	100.0	
Number of species/year	64	62	68	69	65	75	66	62	71	67	86		

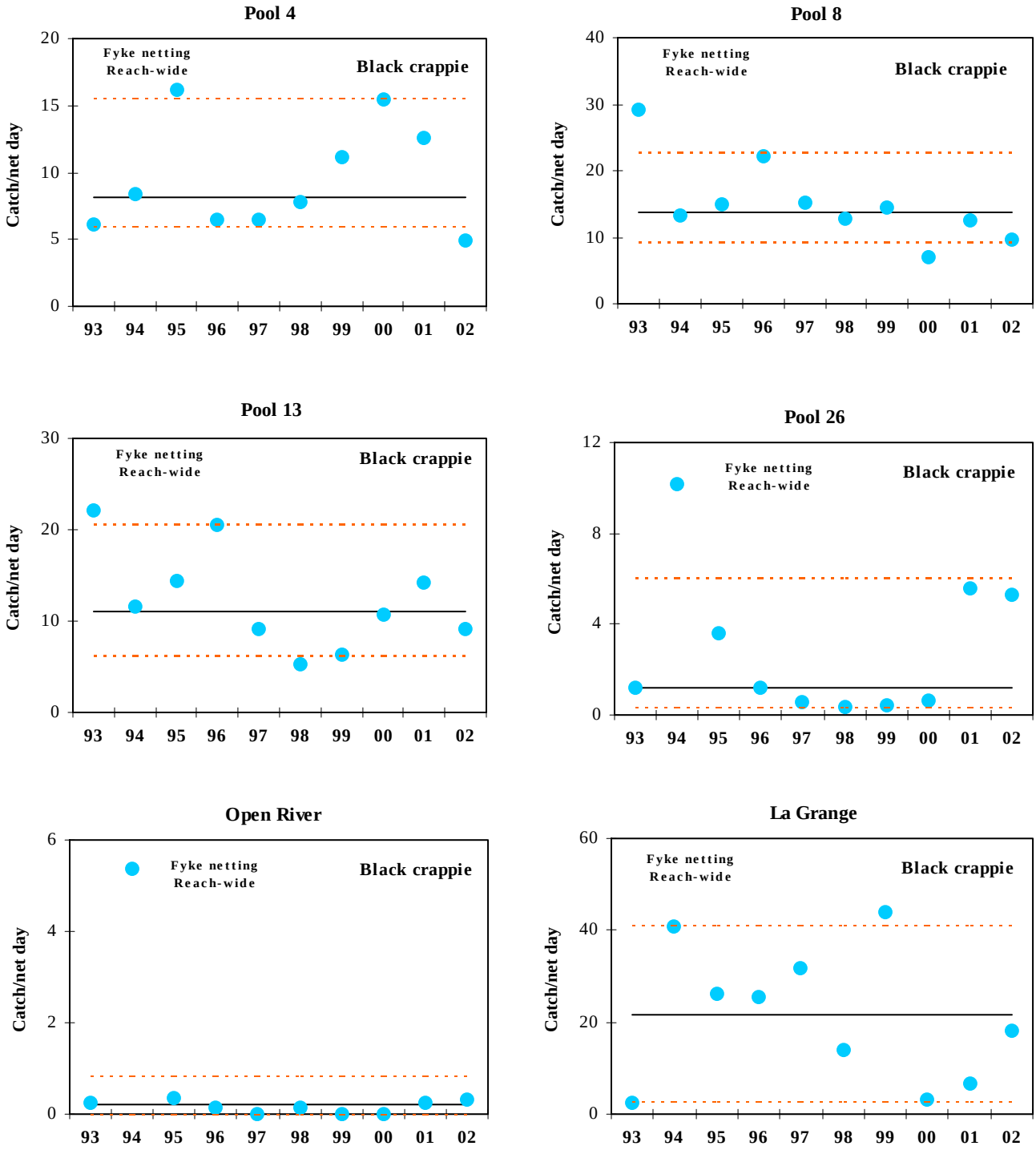
Appendix B.1. Mean annual catch-per-unit-effort for bighead carp (*Hypophthalmichthys nobilis*) captured by fyke nets in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



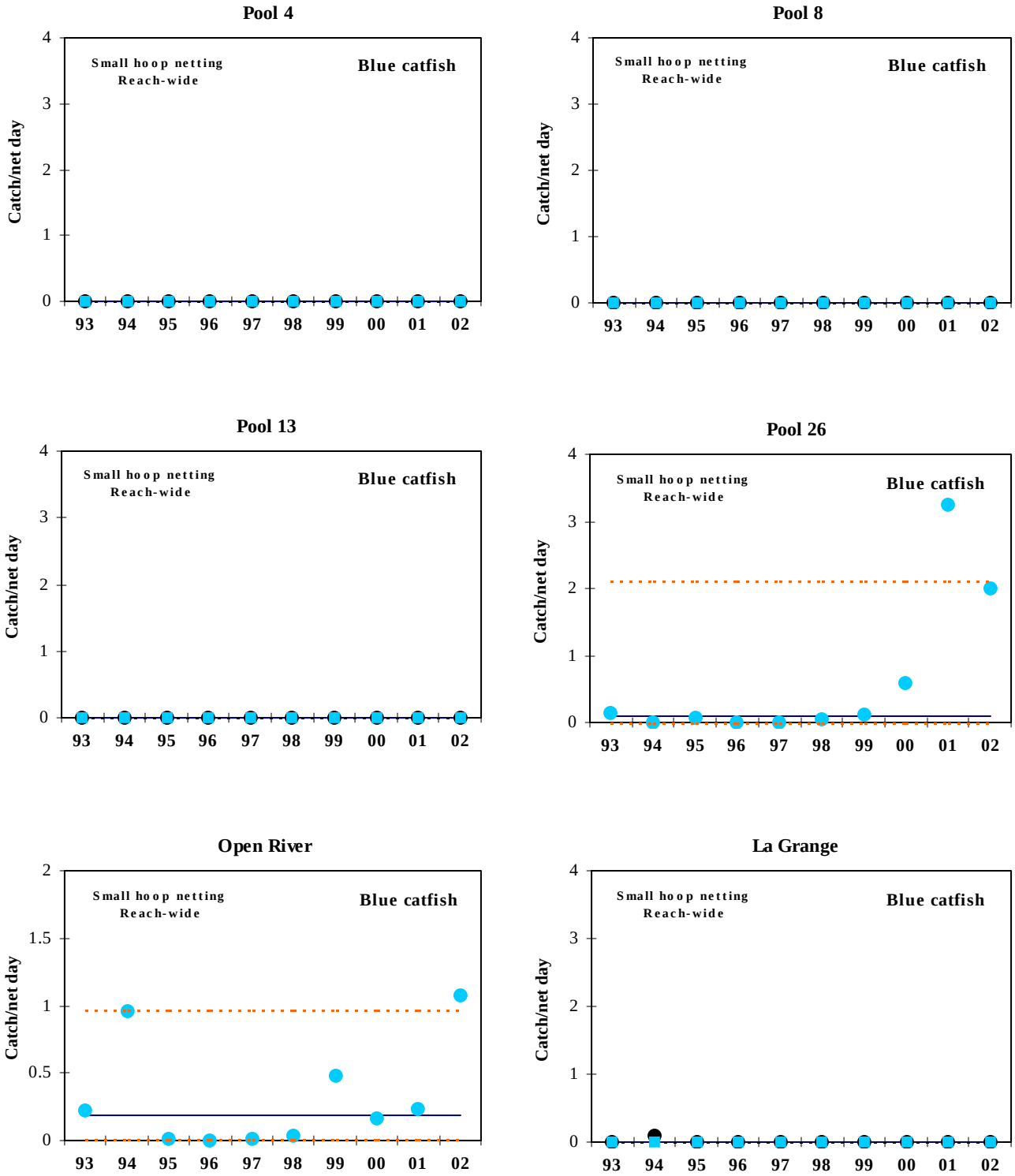
Appendix B.2. Mean annual catch-per-unit-effort for black crappie (*Pomoxis nigromaculatus*) captured by day electrofishing in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



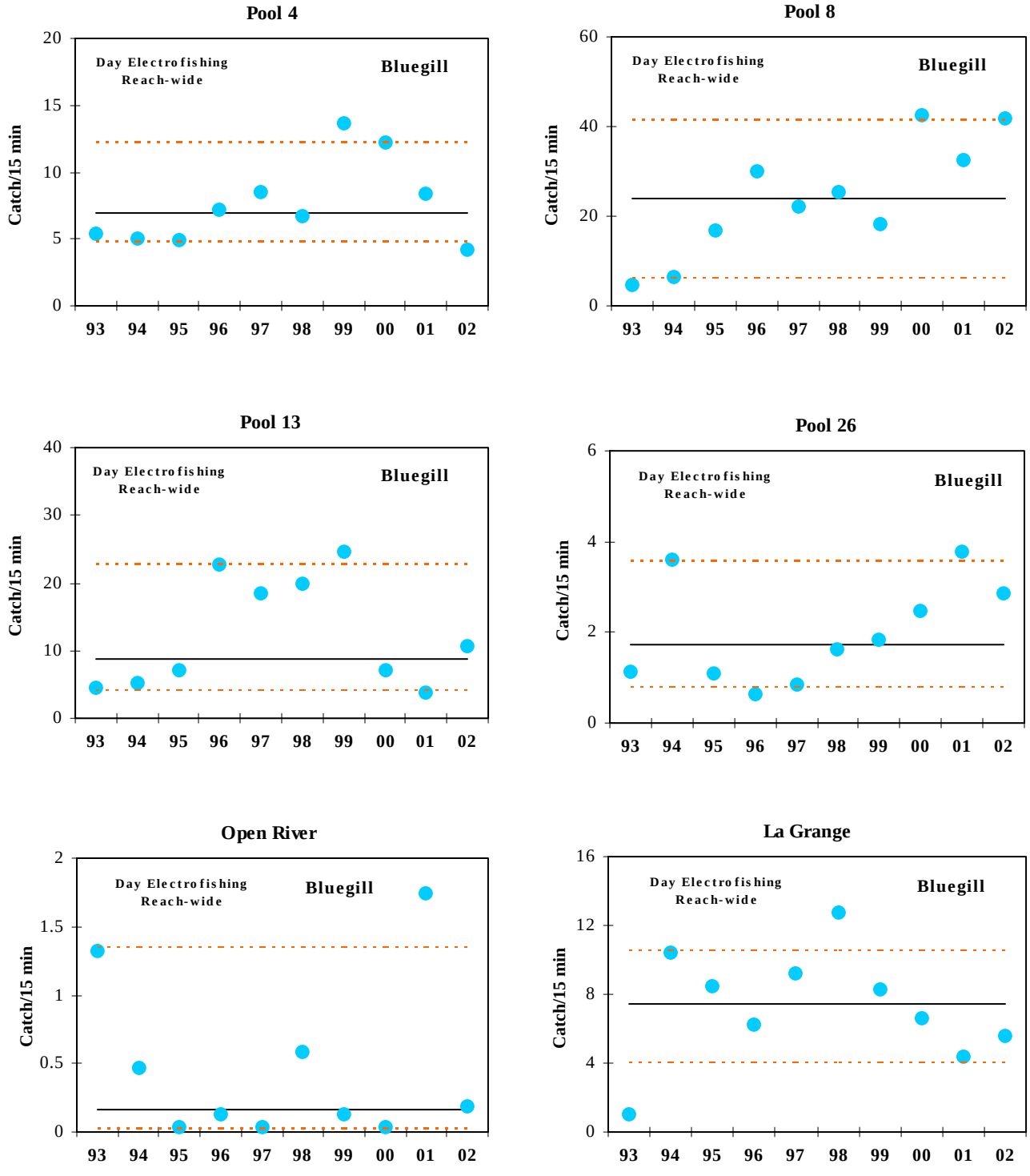
Appendix B.3. Mean annual catch-per-unit-effort for black crappie (*Pomoxis nigromaculatus*) captured by fyke nets in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid lines is the median catch and dashed lines are the 10% and 90% quartiles.



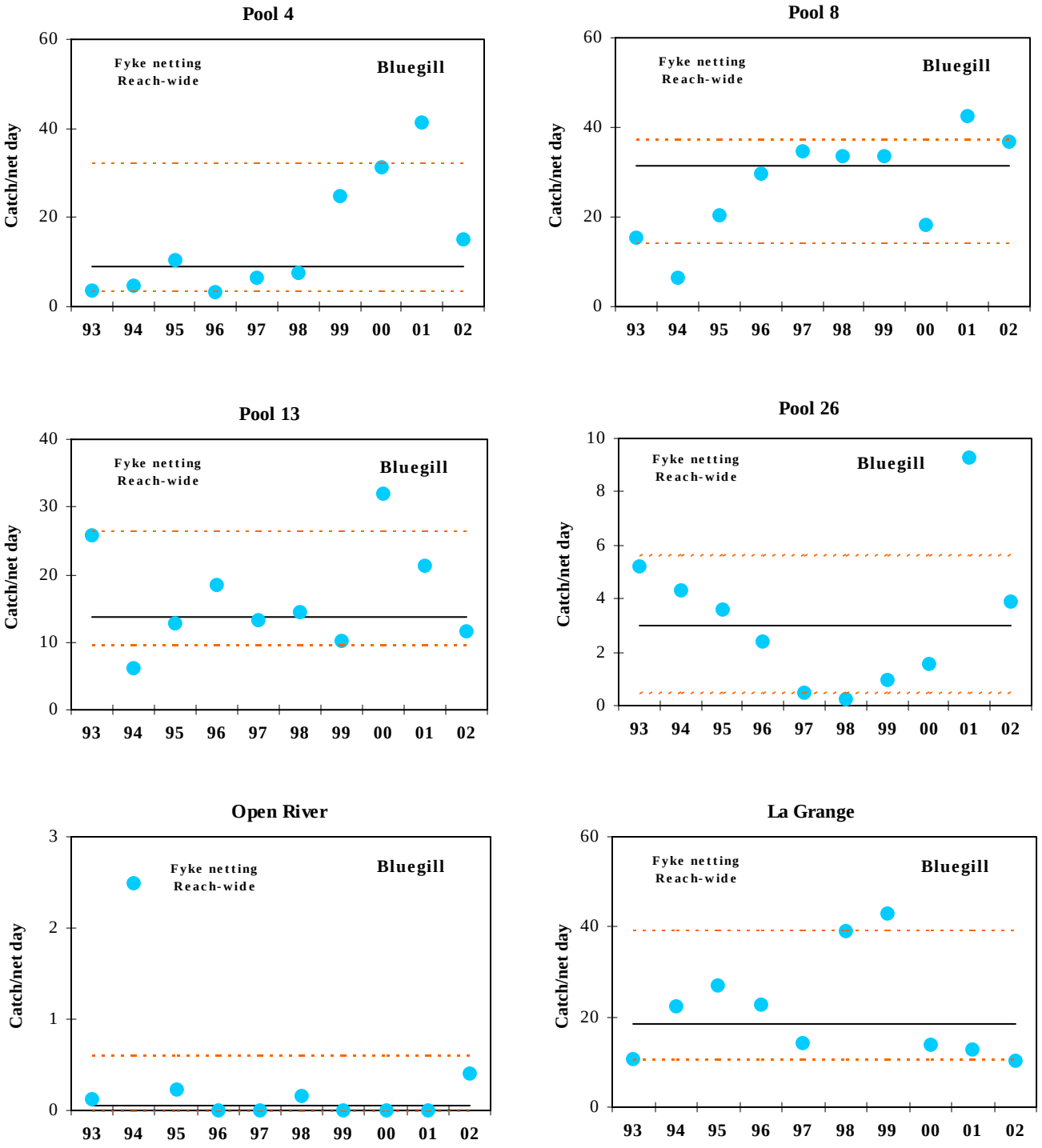
Appendix B.4. Mean annual catch-per-unit-effort for blue catfish (*Ictalurus furcatus*) captured by small hoop nets in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are 10% and 90% quartiles.



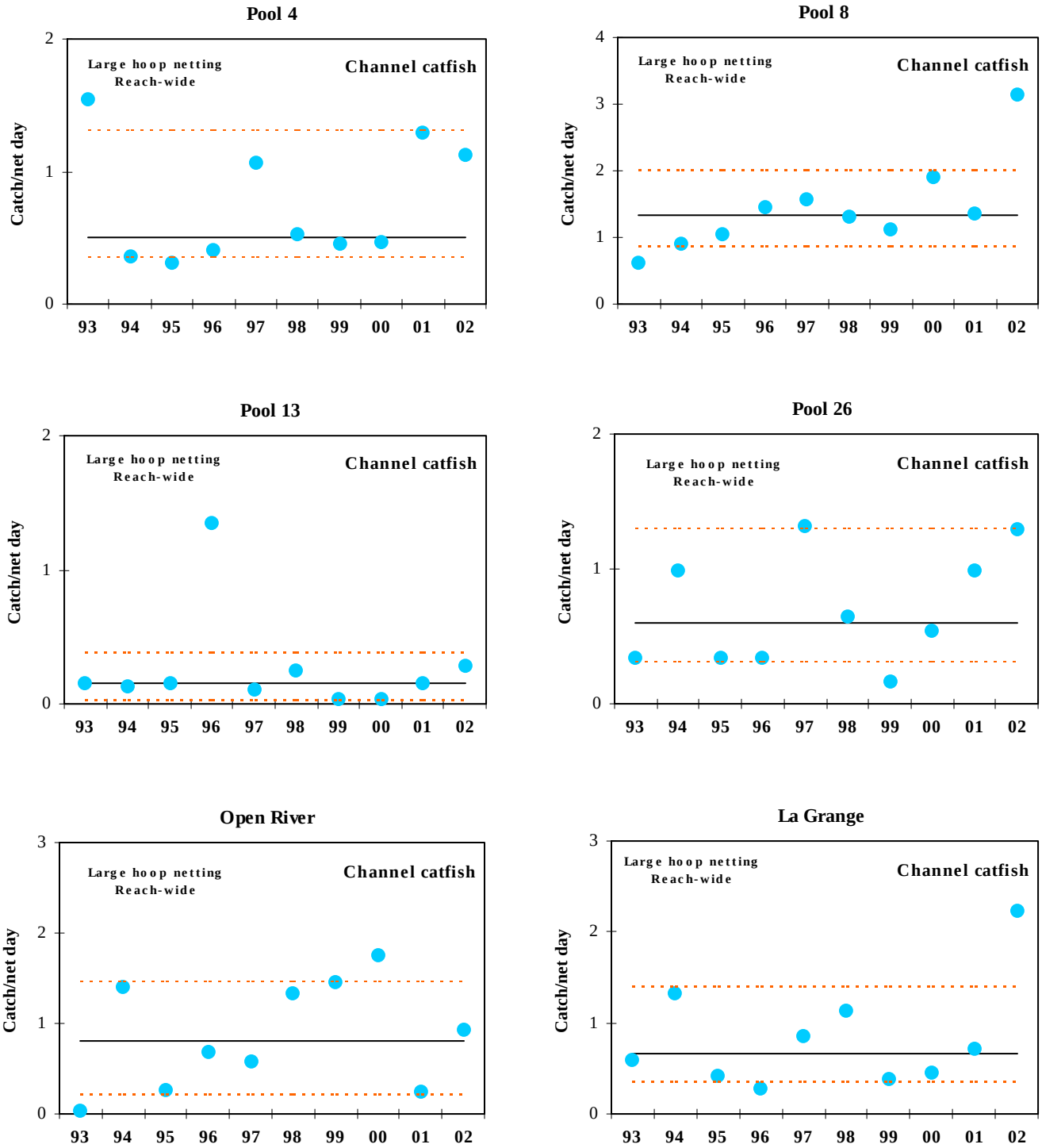
Appendix B.5. Mean annual catch-per-unit-effort for bluegill (*Lepomis macrochirus*) captured by day electrofishing in each of the Long Term Resource Monitoring Program study areas all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



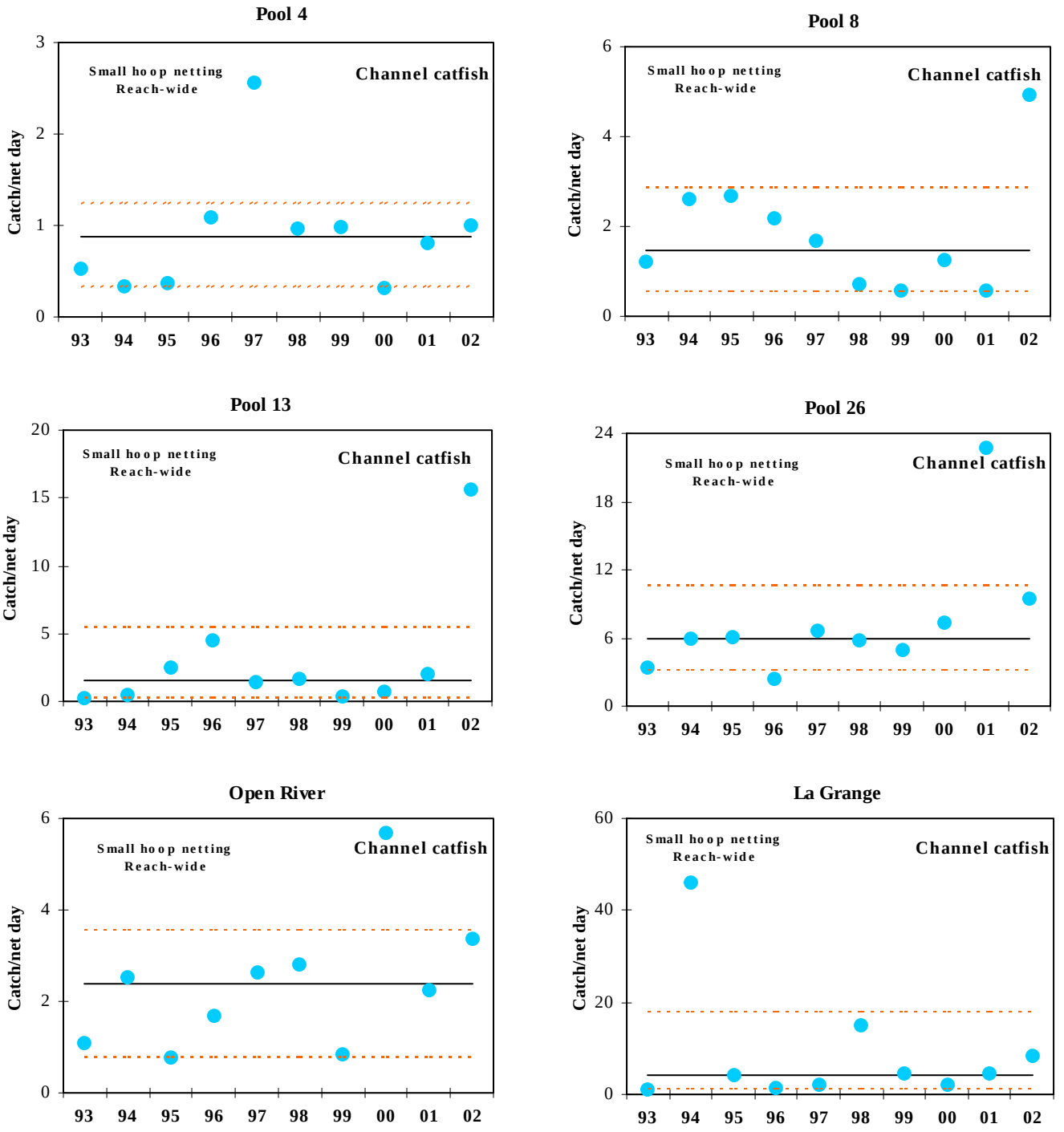
Appendix B.6. Mean annual catch-per-unit-effort for bluegill (*Lopomis macrochirus*) captured by fyke nets in each of the Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



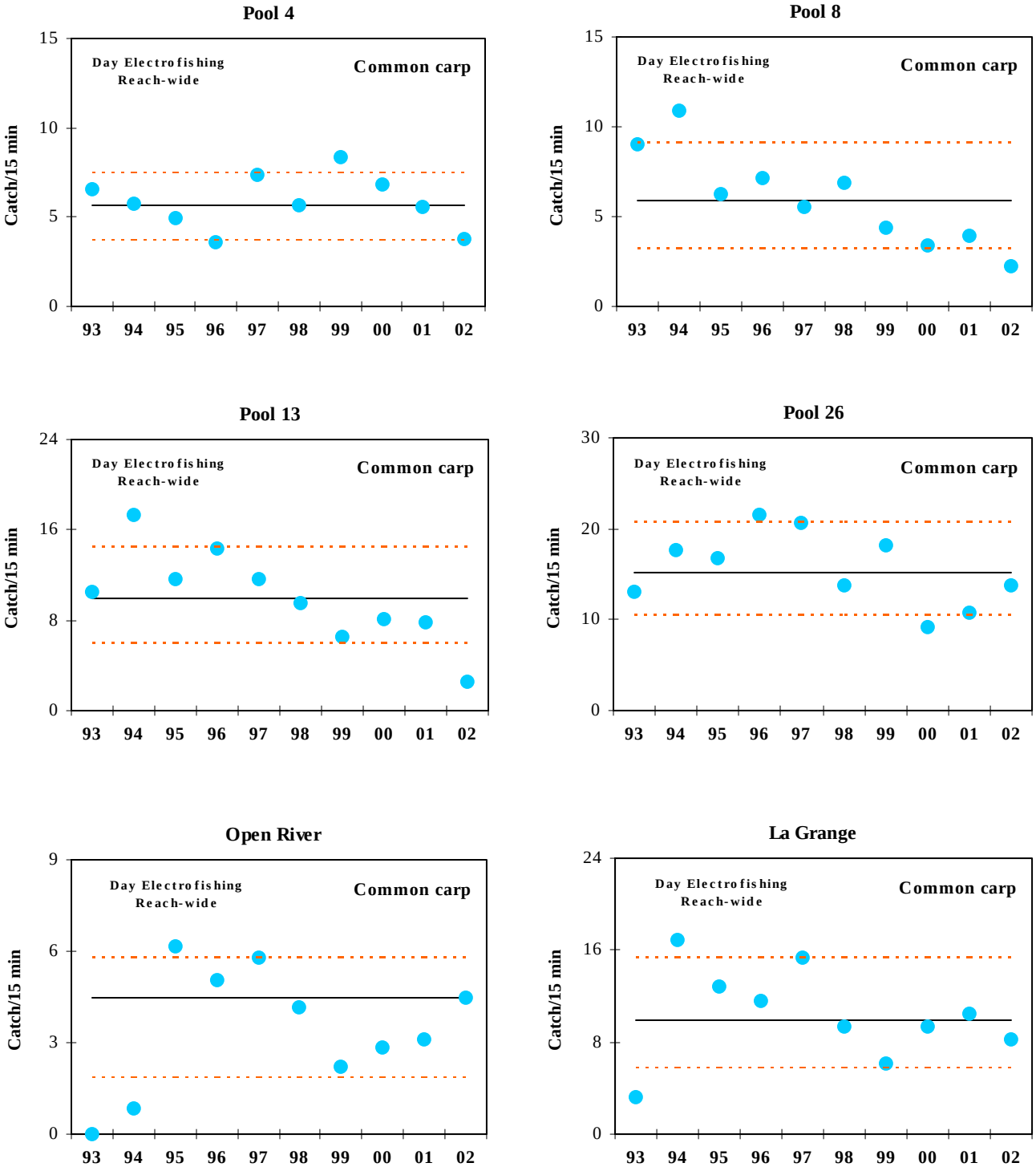
Appendix B.7. Mean annual catch-per-unit-effort for channel catfish captured by large hoop nets in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



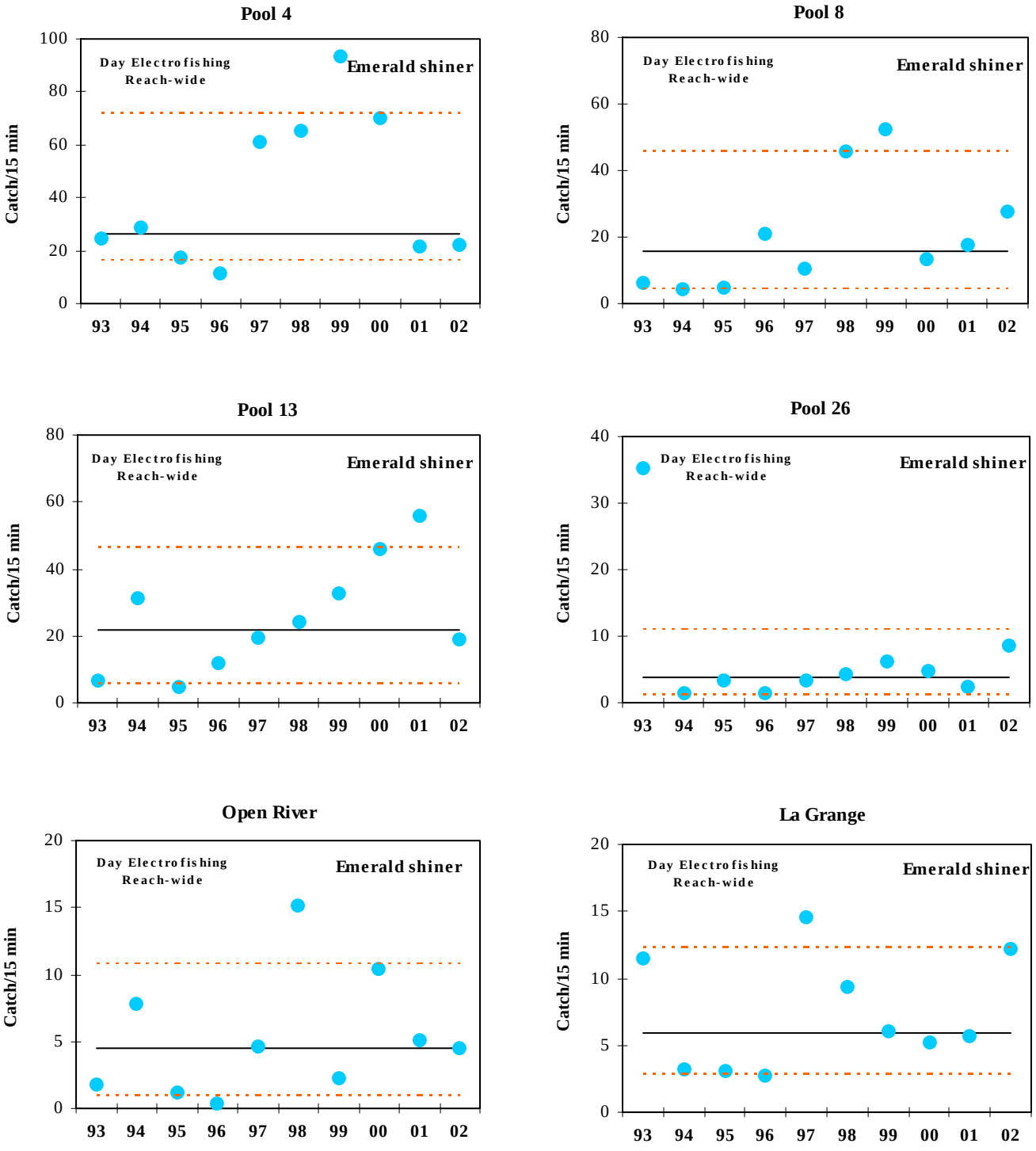
Appendix B.8. Mean annual catch-per-unit-effort for channel catfish (*Ictalurus punctatus*) captured by small hoop nets in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median and dashed lines are the 10% and 90% quartiles.



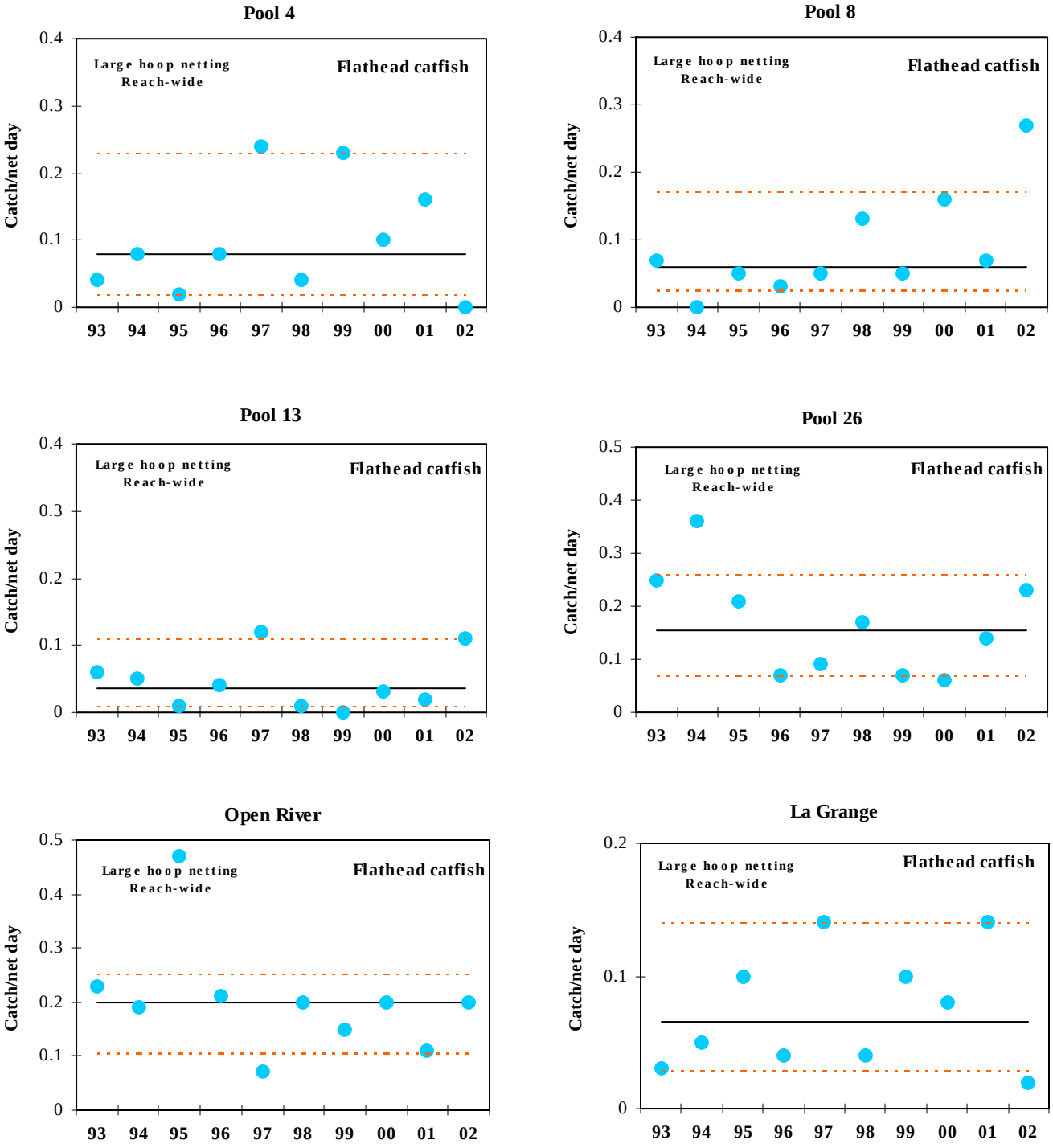
Appendix B.9. Mean annual catch-per-unit-effort for common carp (*Cyprinus carpio*) captured by day electrofishing in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



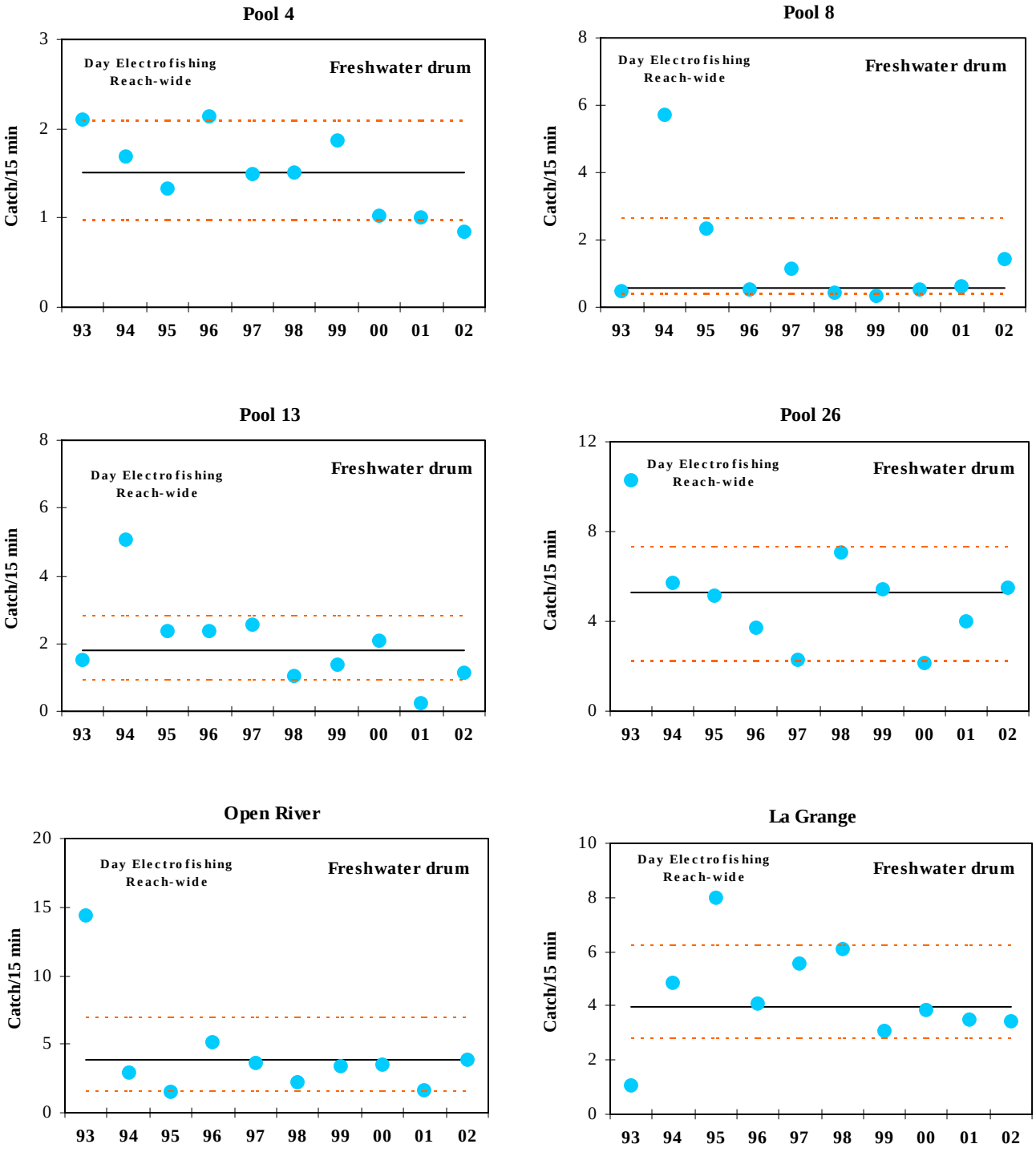
Appendix B.10. Mean annual catch-per-unit-effort for emerald shiner (*Notropic atherinoides*) captured by day electrofishing in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



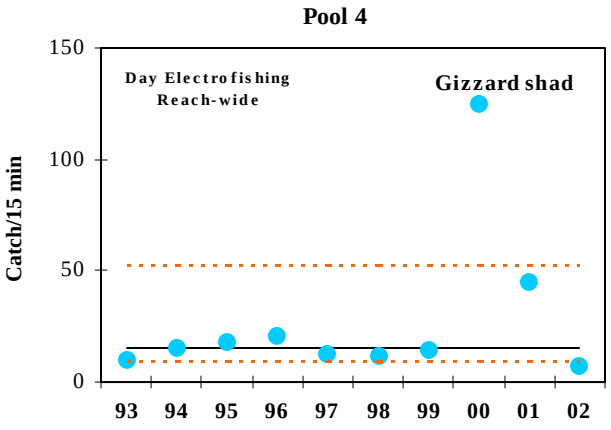
Appendix B.11. Mean annual catch-per-unit-effort for flathead catfish (*Pylodictis olivaris*) captured by large hoop nets in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.

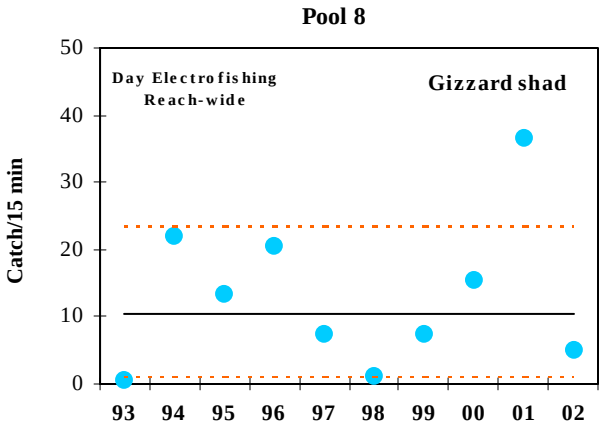


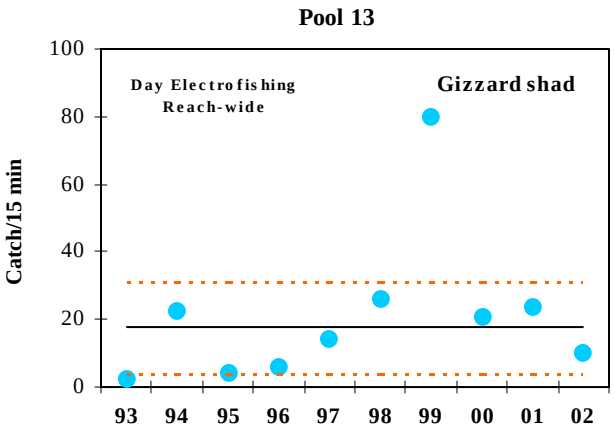
Appendix B.12. Mean annual catch-per-unit-effort for freshwater drum (*Aplodinotus grunniens*) captured by day electrofishing in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.

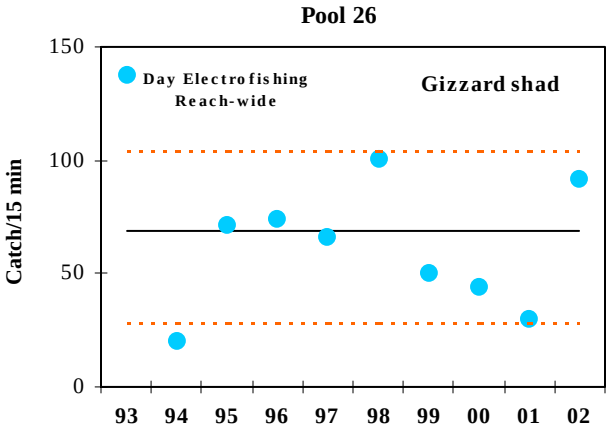


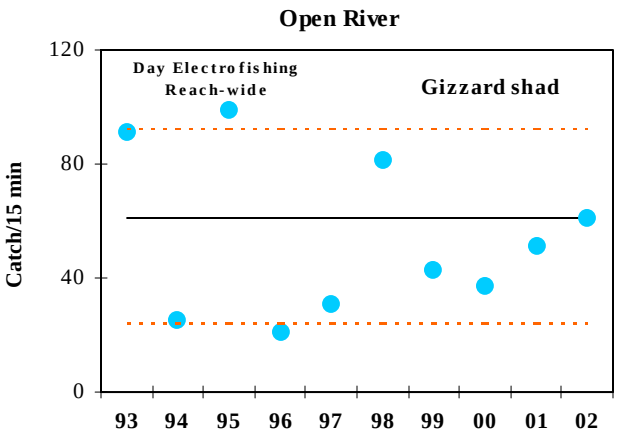
Appendix B.13. Mean annual catch-per-unit-effort for gizzard shad (*Dorosoma cepedianum*) captured by day electrofishing in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.

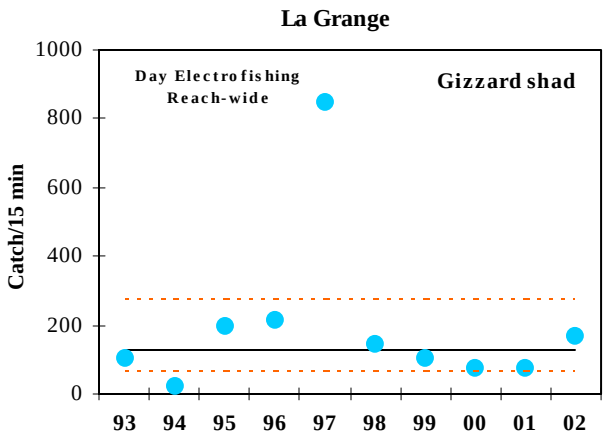




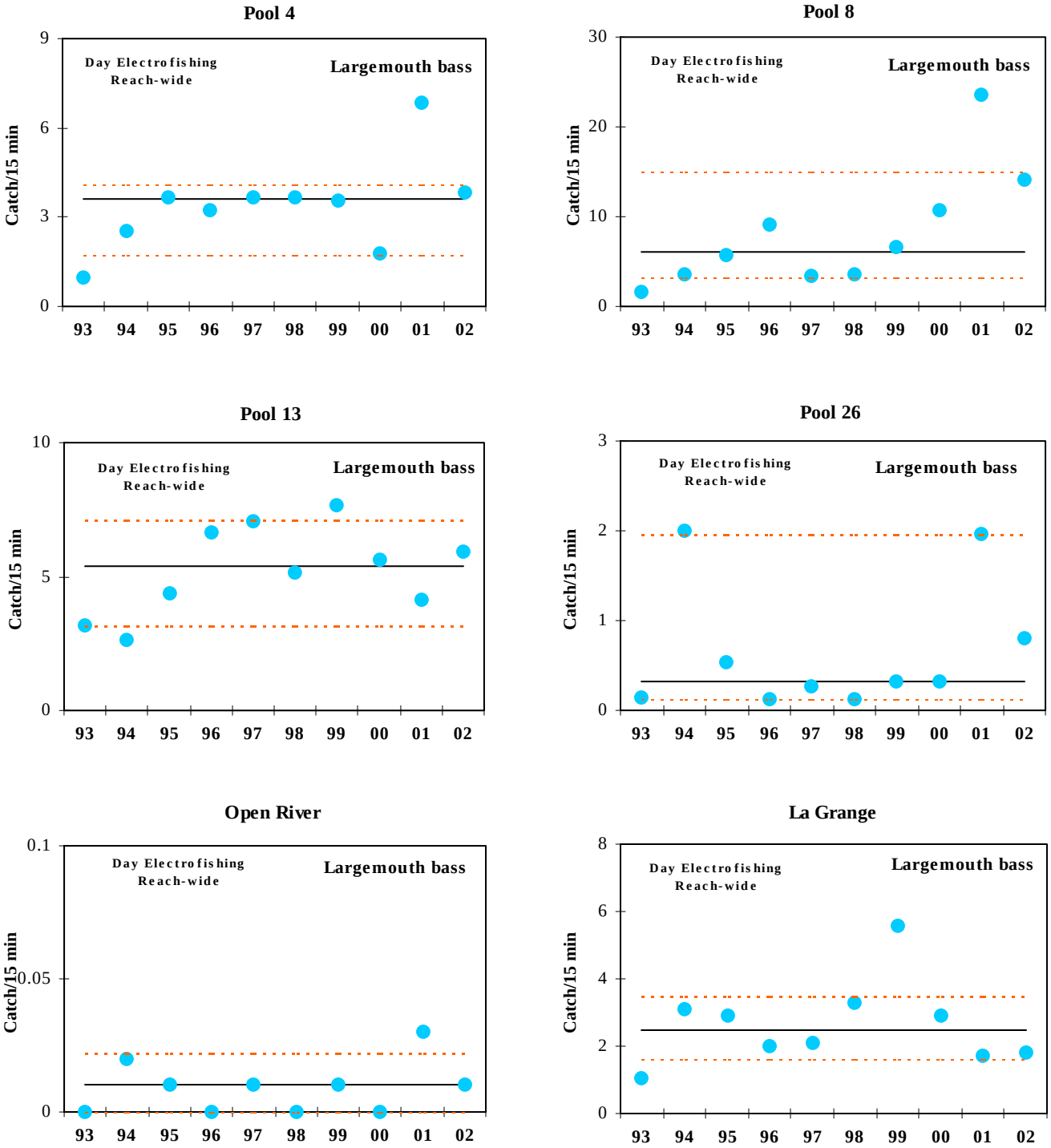




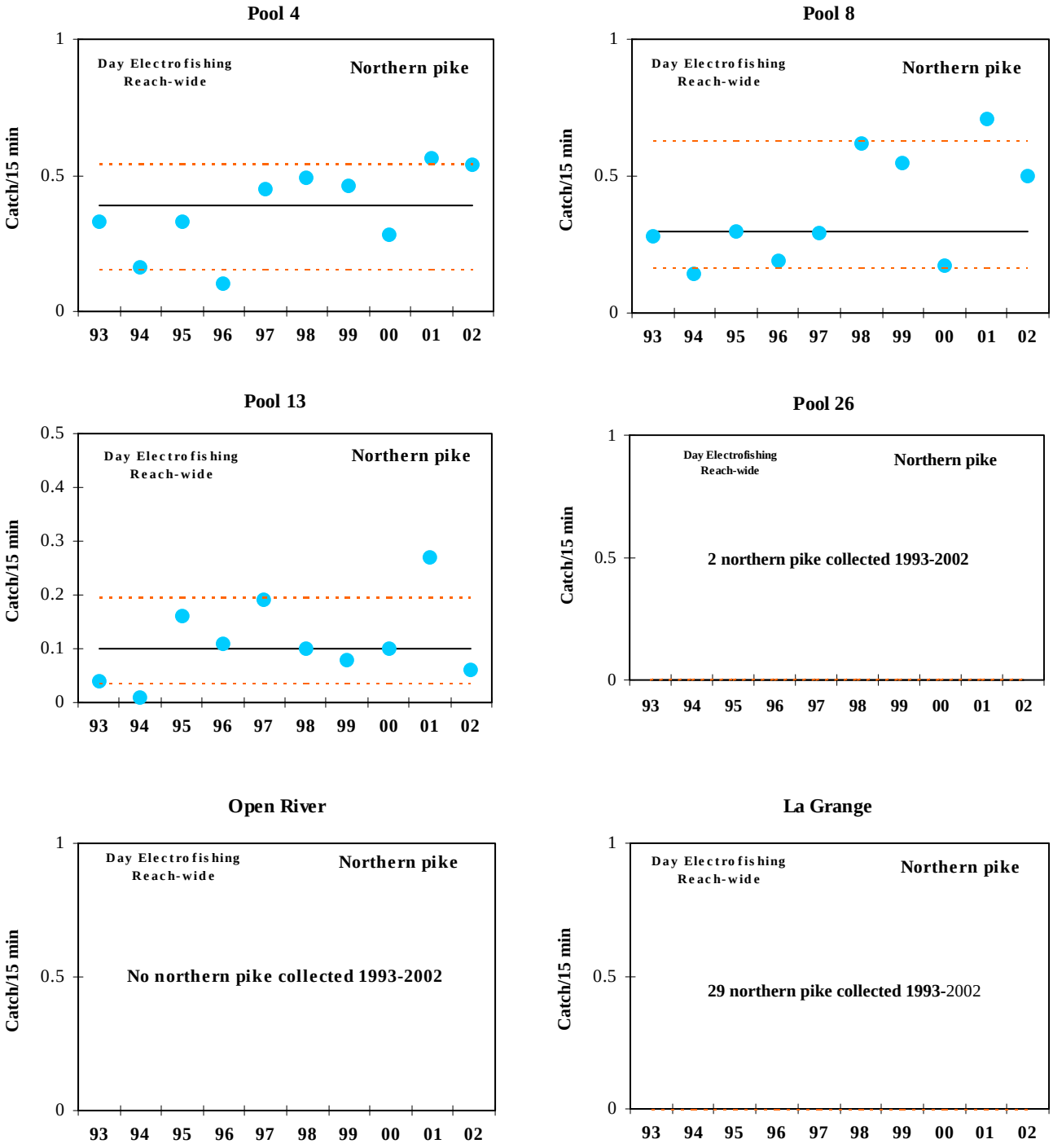




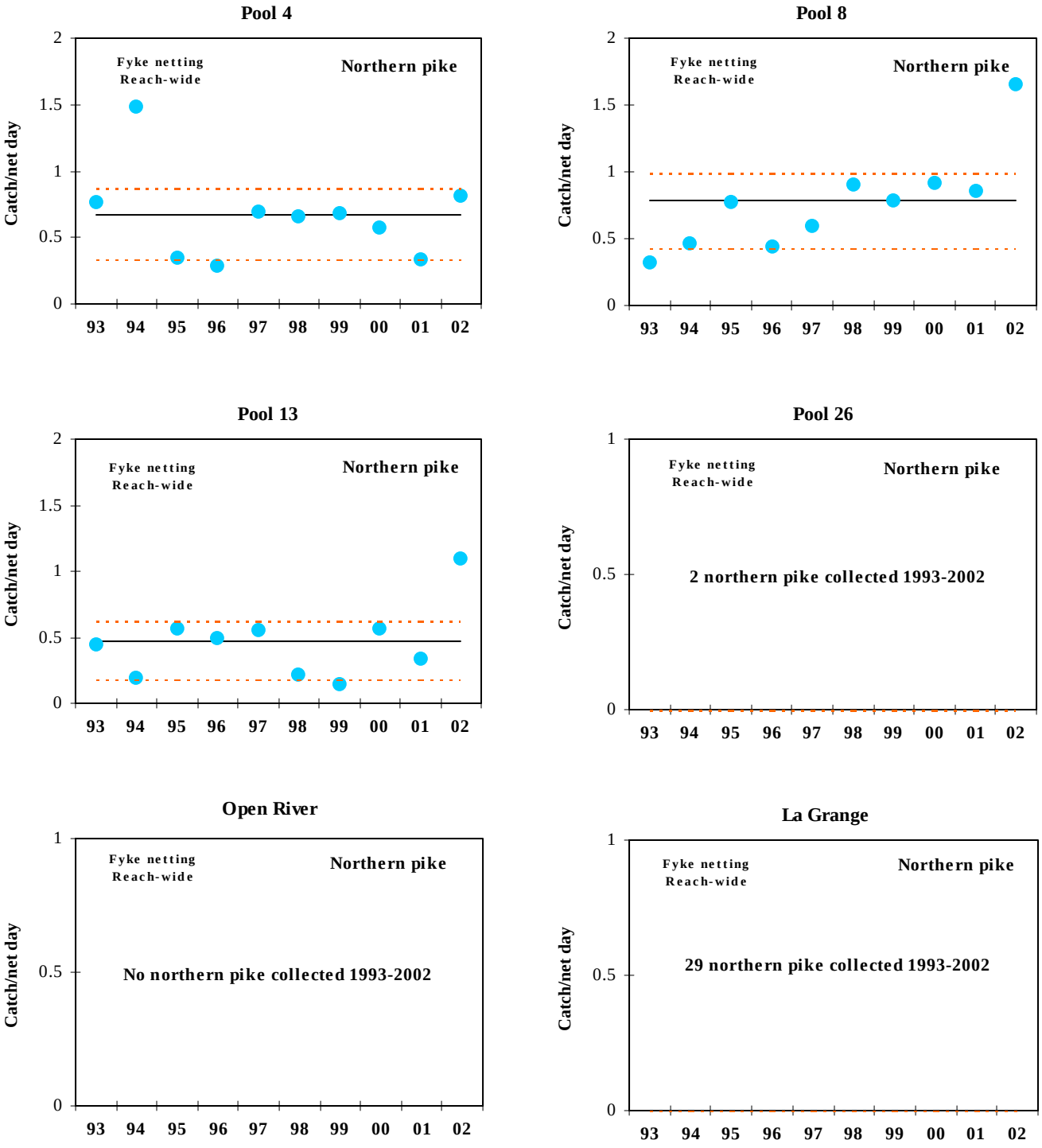
Appendix B.14. Mean annual catch-per-unit-effort for largemouth bass (*Micropterus salmoides*) captured by day electrofishing in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



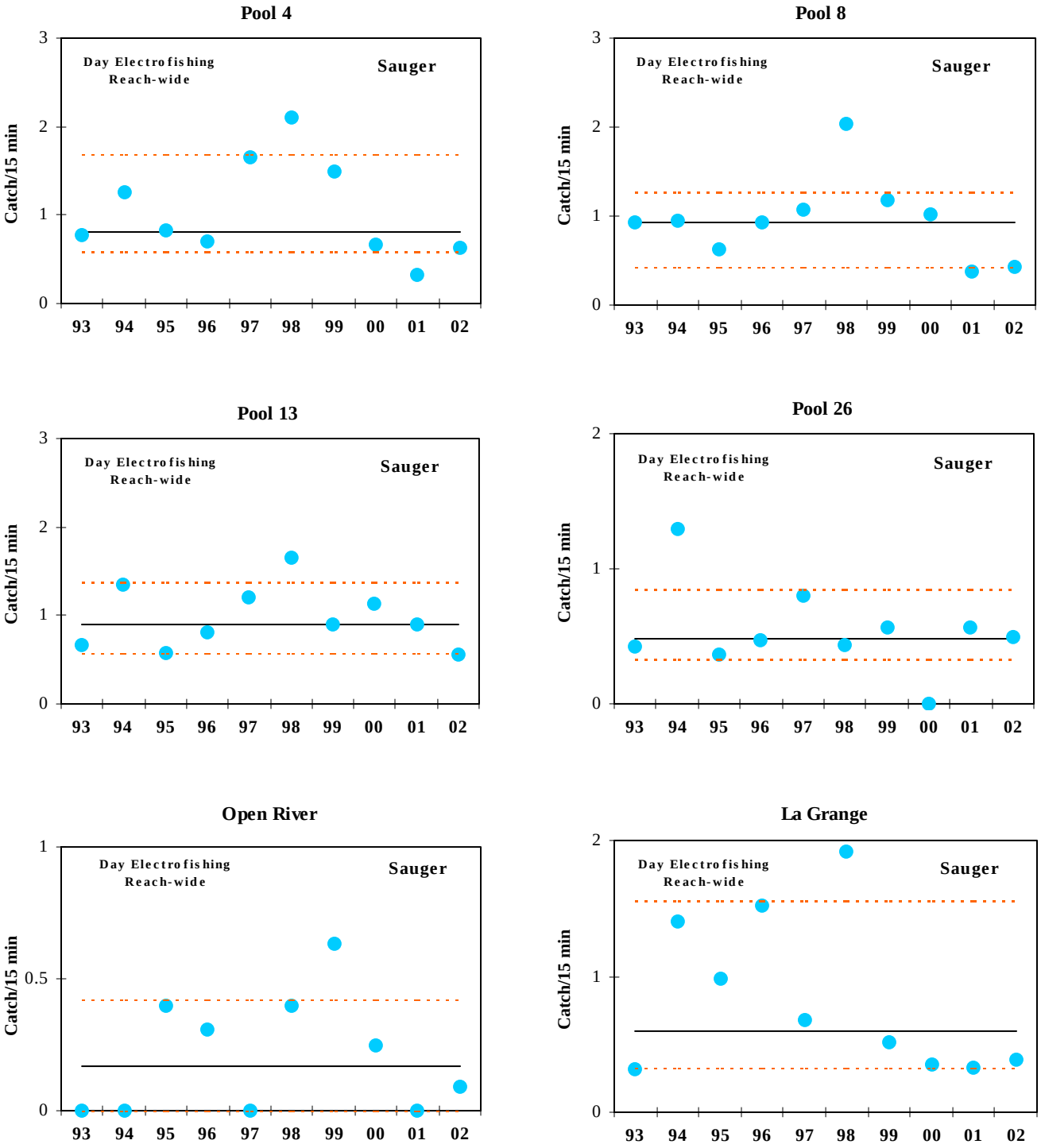
Appendix B.15. Mean annual catch-per-unit-effort for northern pike (*Esox lucius*) captured by day electrofishing in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



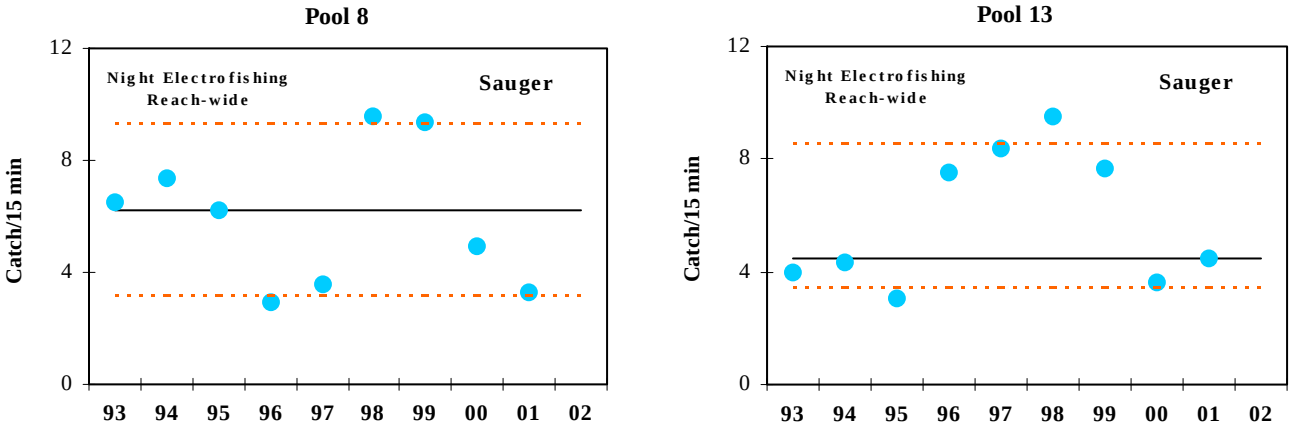
Appendix B.16. Mean annual catch-per-unit-effort for northern pike (*Esox lucius*) captured by fyke nets in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



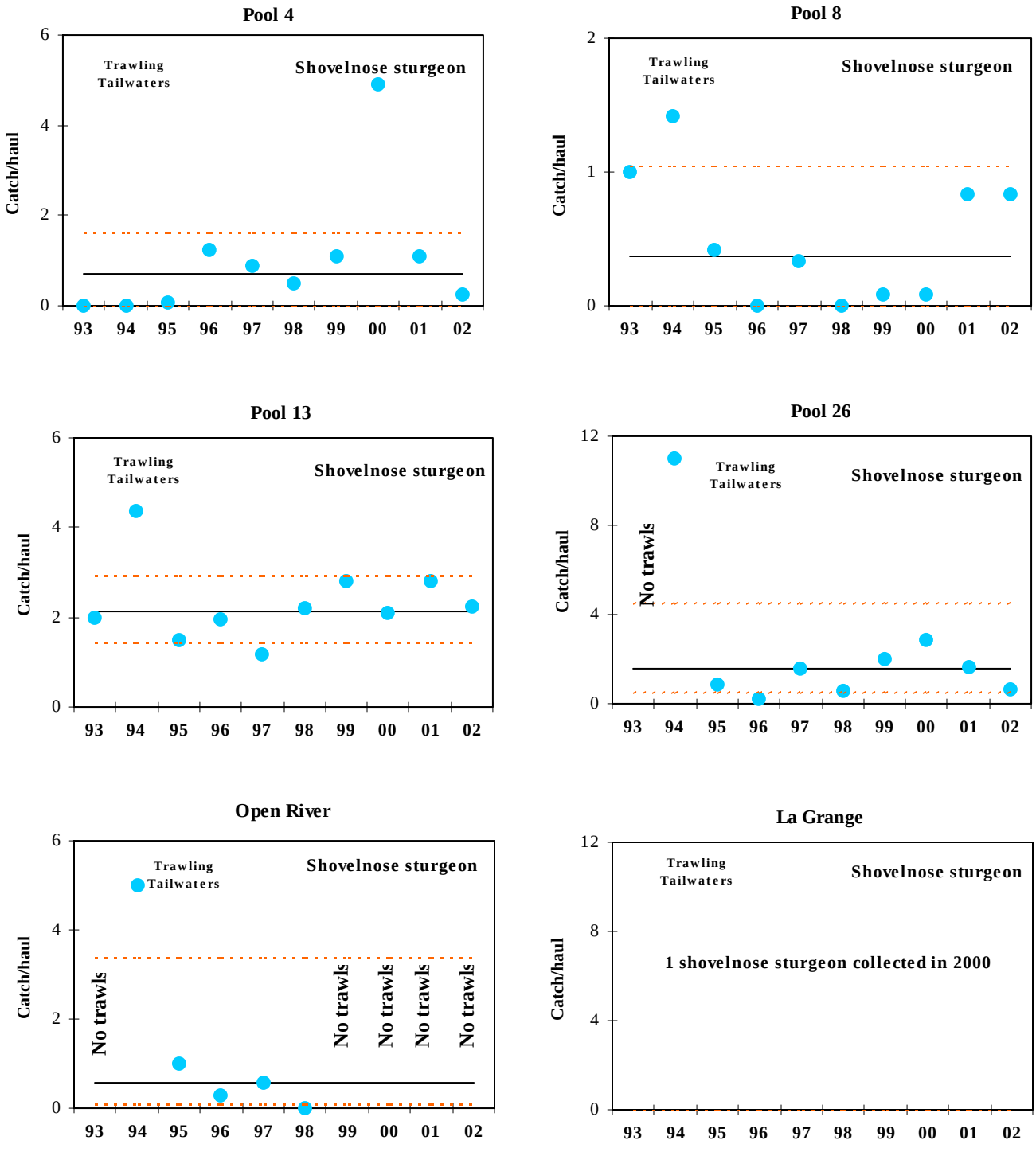
Appendix B.17. Mean annual catch-per-unit-effort for sauger (*Stizostedion canadense*) captured by day electrofishing in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



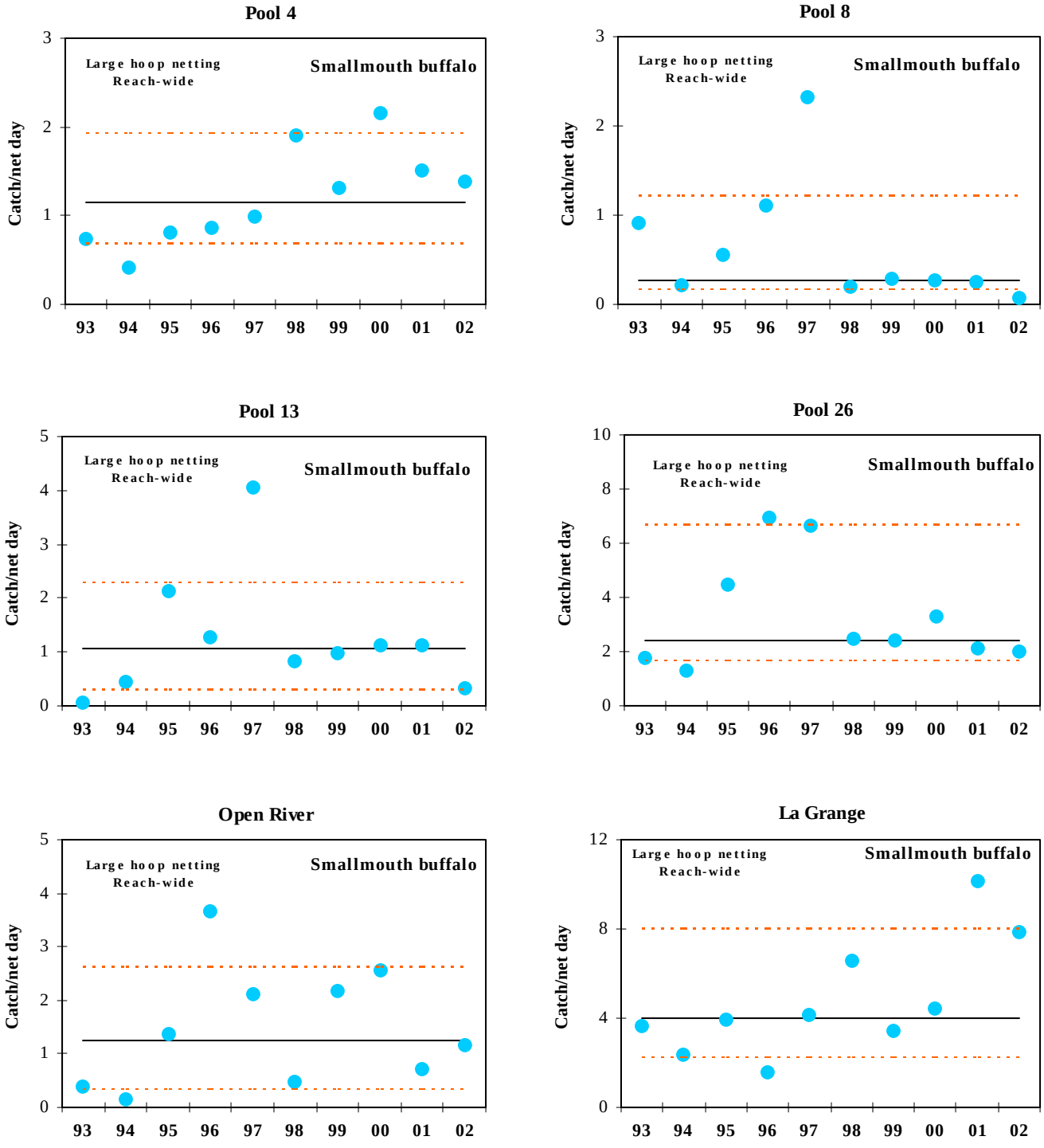
Appendix B.18. Mean annual catch-per-unit-effort for sauger (*Stizostedion canadense*) captured by night electrofishing in two (Pools 8 and 13) of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



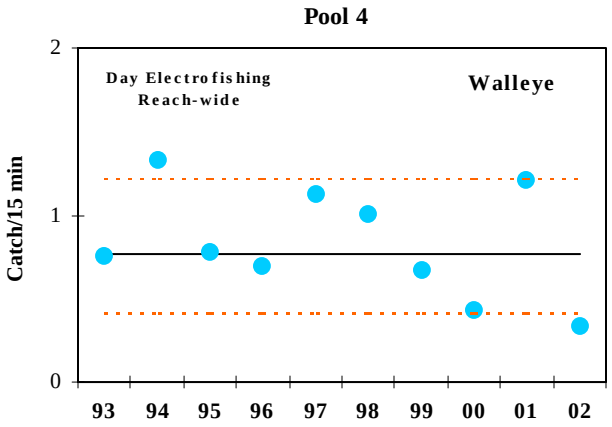
Appendix B.19. Mean annual catch-per-unit-effort for shovelnose sturgeon (*Scaphirhynchur platorynchus*) captured by trawling tailwaters in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.

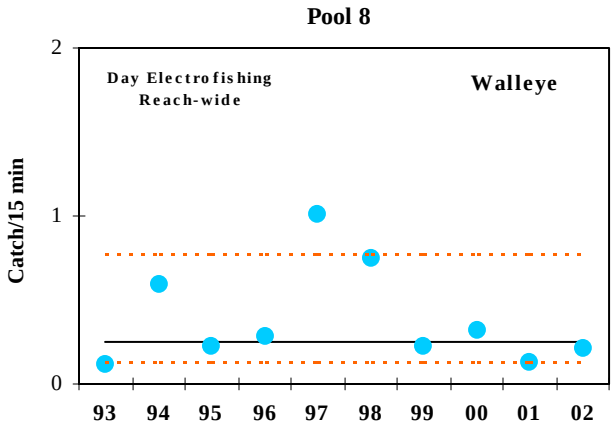


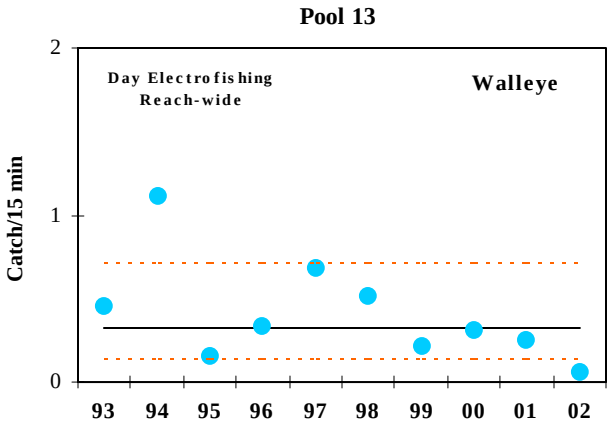
Appendix B.20. Mean annual catch-per-unit-effort for smallmouth buffalo (*Ictiobus bubalus*) captured by large hoop nets in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.

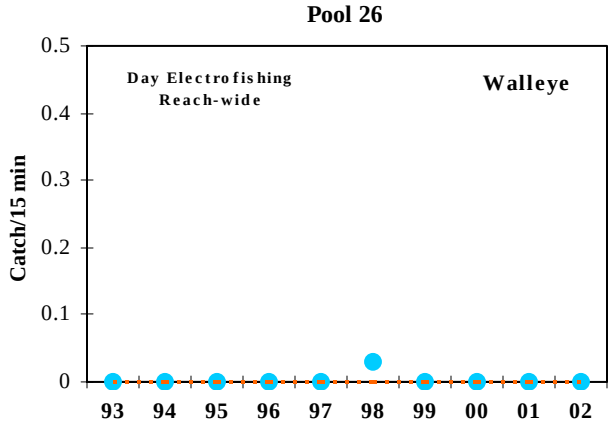


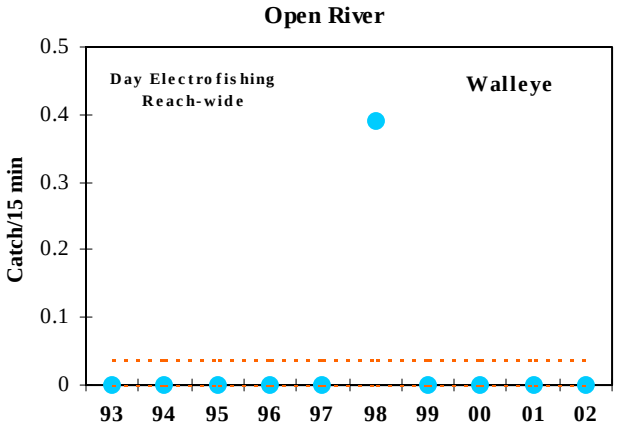
Appendix B.21. Mean annual catch-per-unit-effort for walleye (*Stizostedion vitreum*) captured by day electrofishing in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.

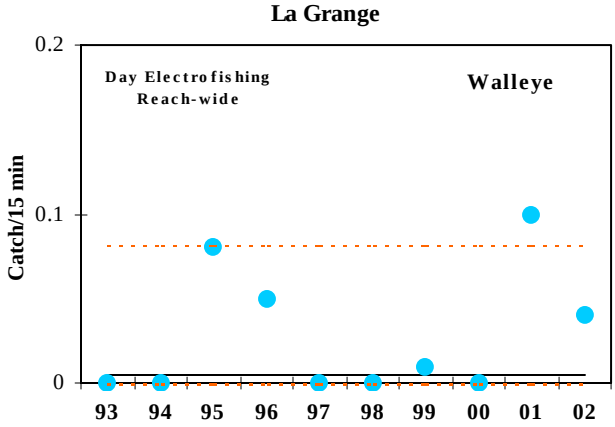




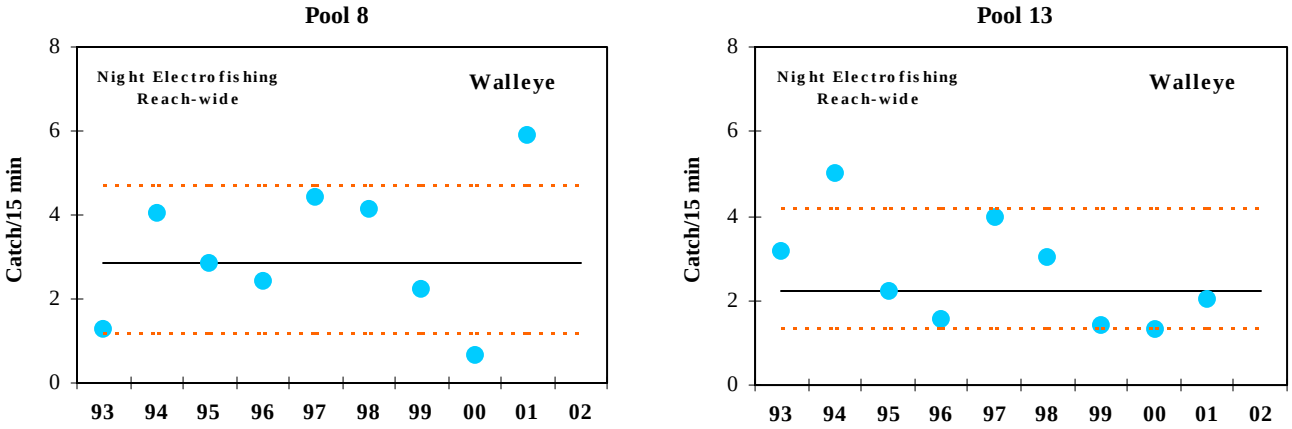




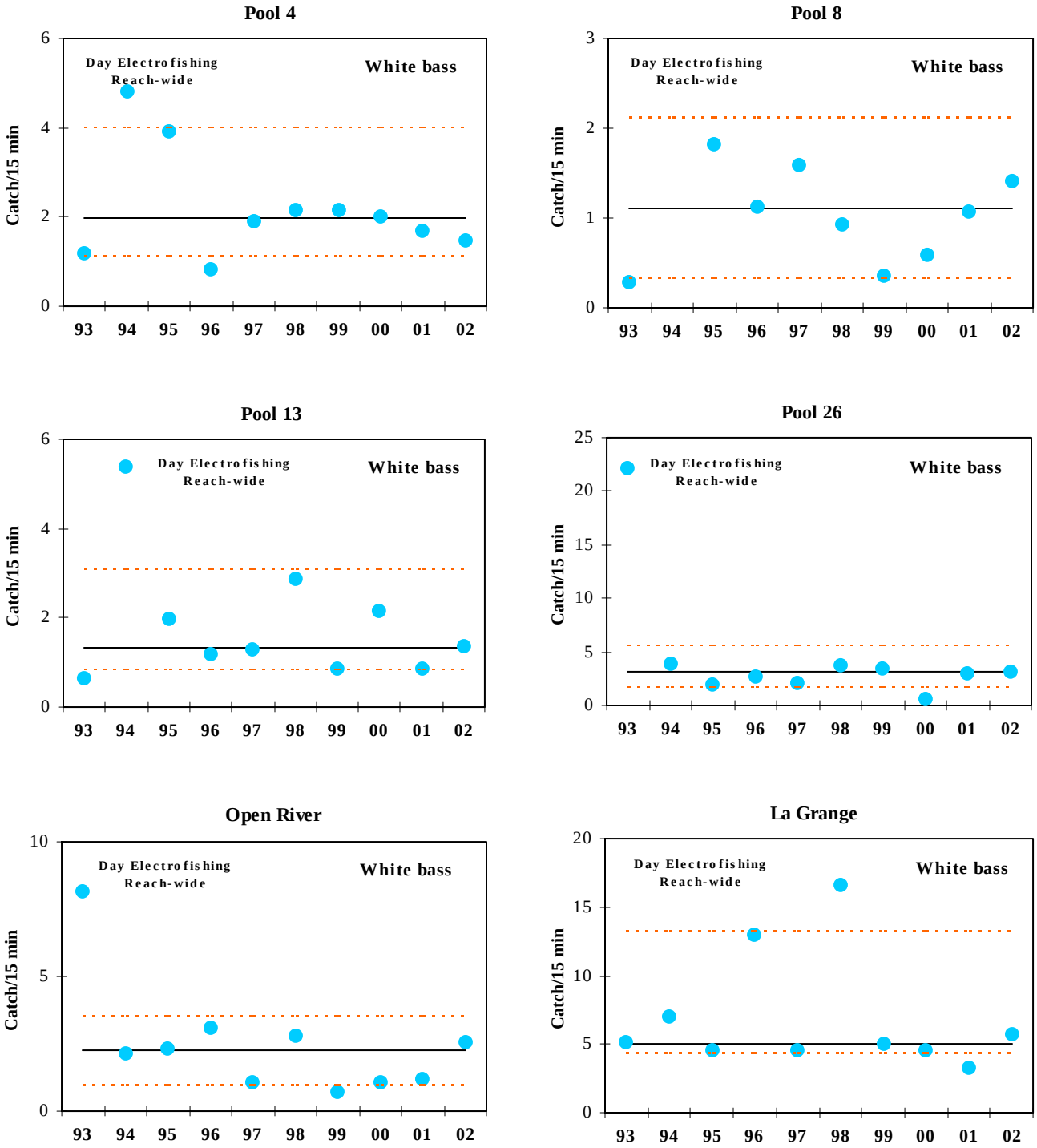




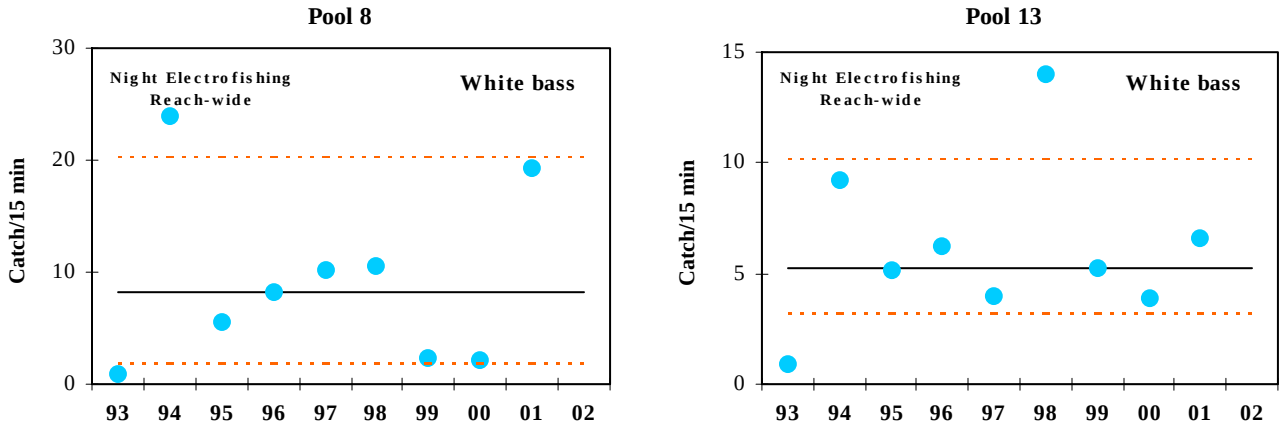
Appendix B.22. Mean annual catch-per-unit-effort for walleye (*Stizostedion vitreum*) captured by night electrofishing in two (Pools 8 and 13) of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



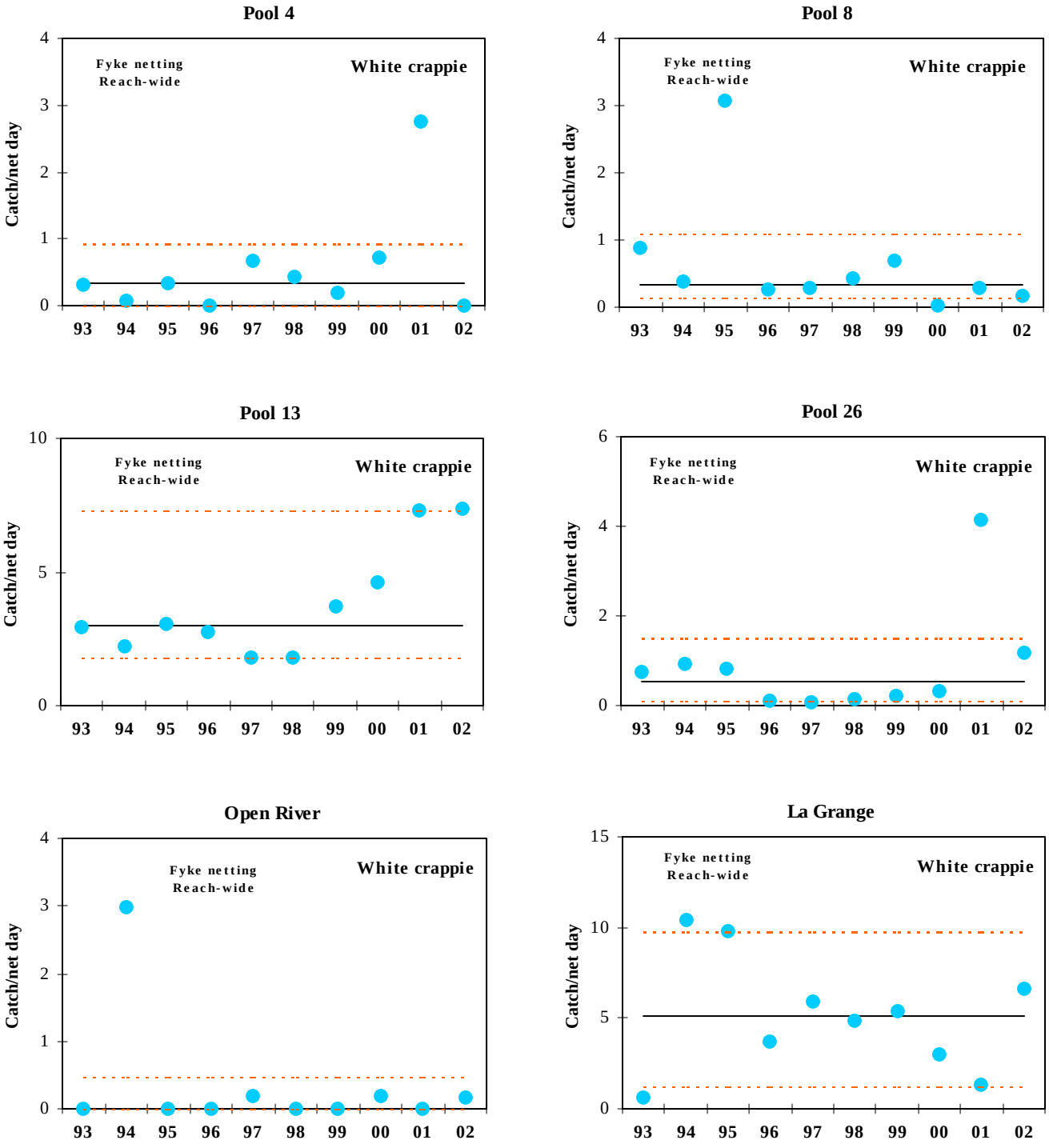
Appendix B.23. Mean annual catch-per-unit-effort for white bass (*Morone chrysops*) captured by day electrofishing in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



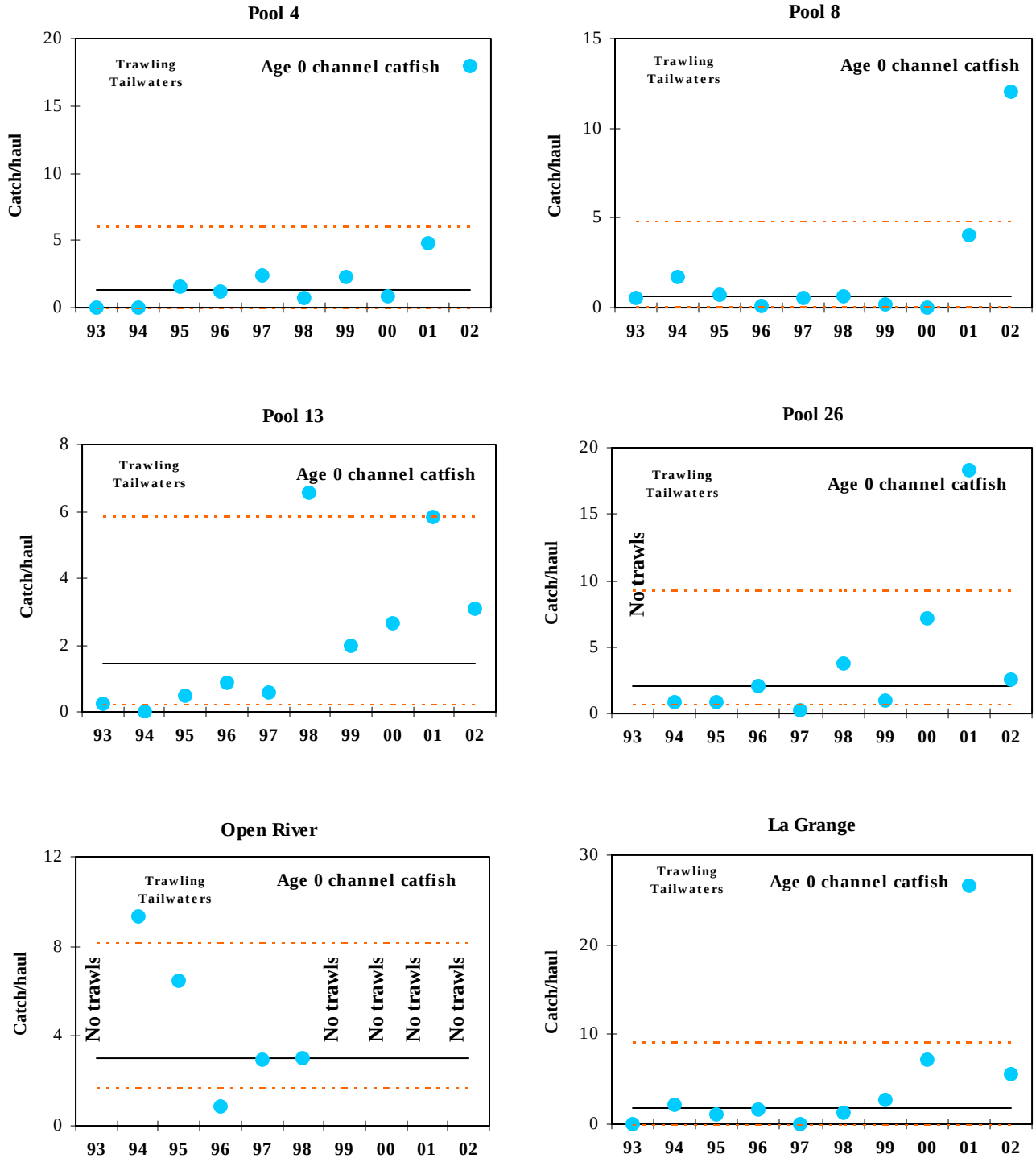
Appendix B.24. Mean annual catch-per-unit-effort for white bass (*Morone chrysops*) captured by night electrofishing in two (Pools 8 and 13) of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



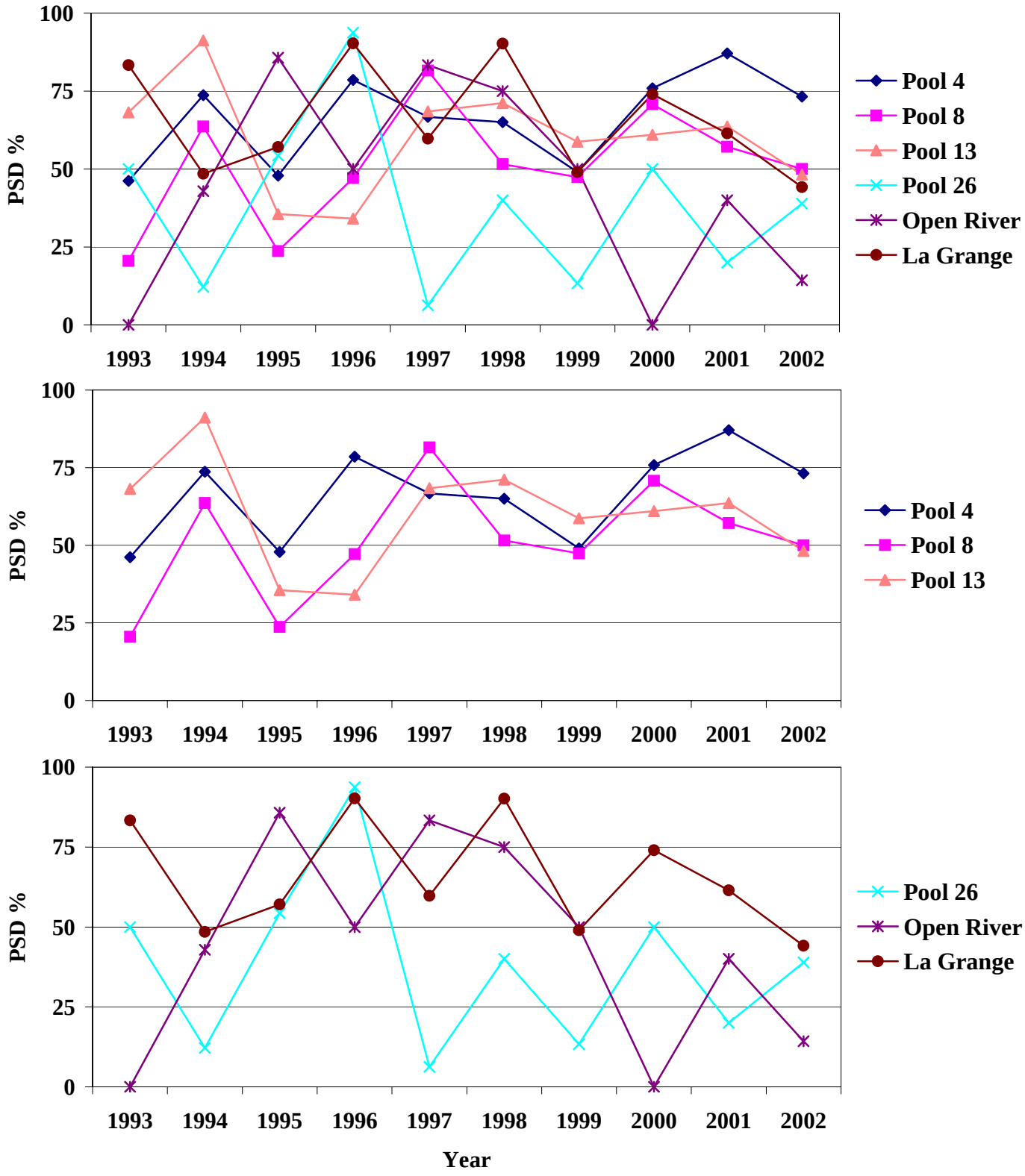
Appendix B.25. Mean annual catch-per-unit-effort for white crappie (*Pomoxis annularis*) captured by fyke nets in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



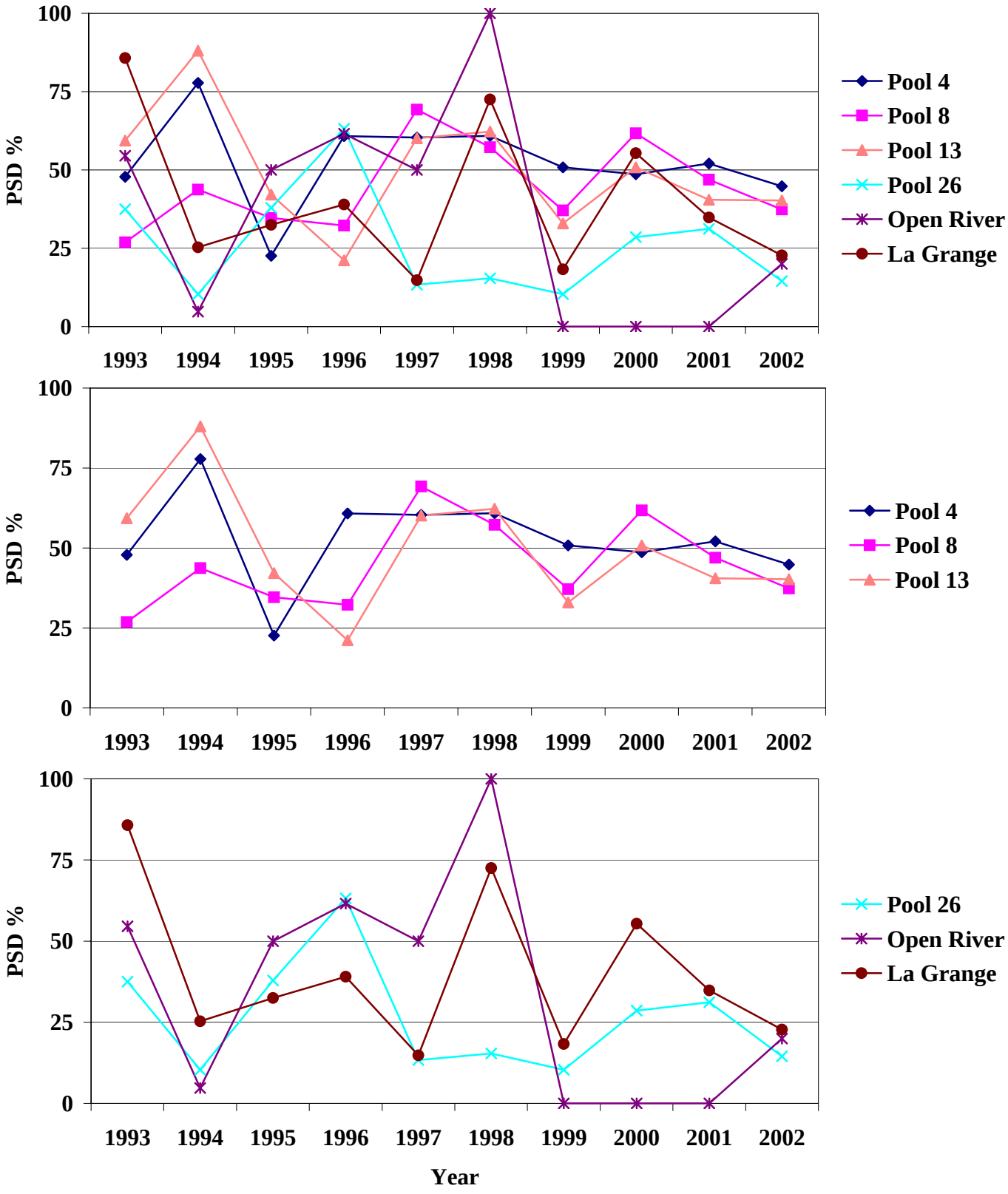
Appendix B.26. Mean annual catch-per-unit-effort for age-0 channel catfish (<100 mm; *Ictalurus punctatus*) captured by trawling tailwaters in each of the six Long Term Resource Monitoring Program study areas, all strata combined, 1993–2002. Solid line is the median catch and dashed lines are the 10% and 90% quartiles.



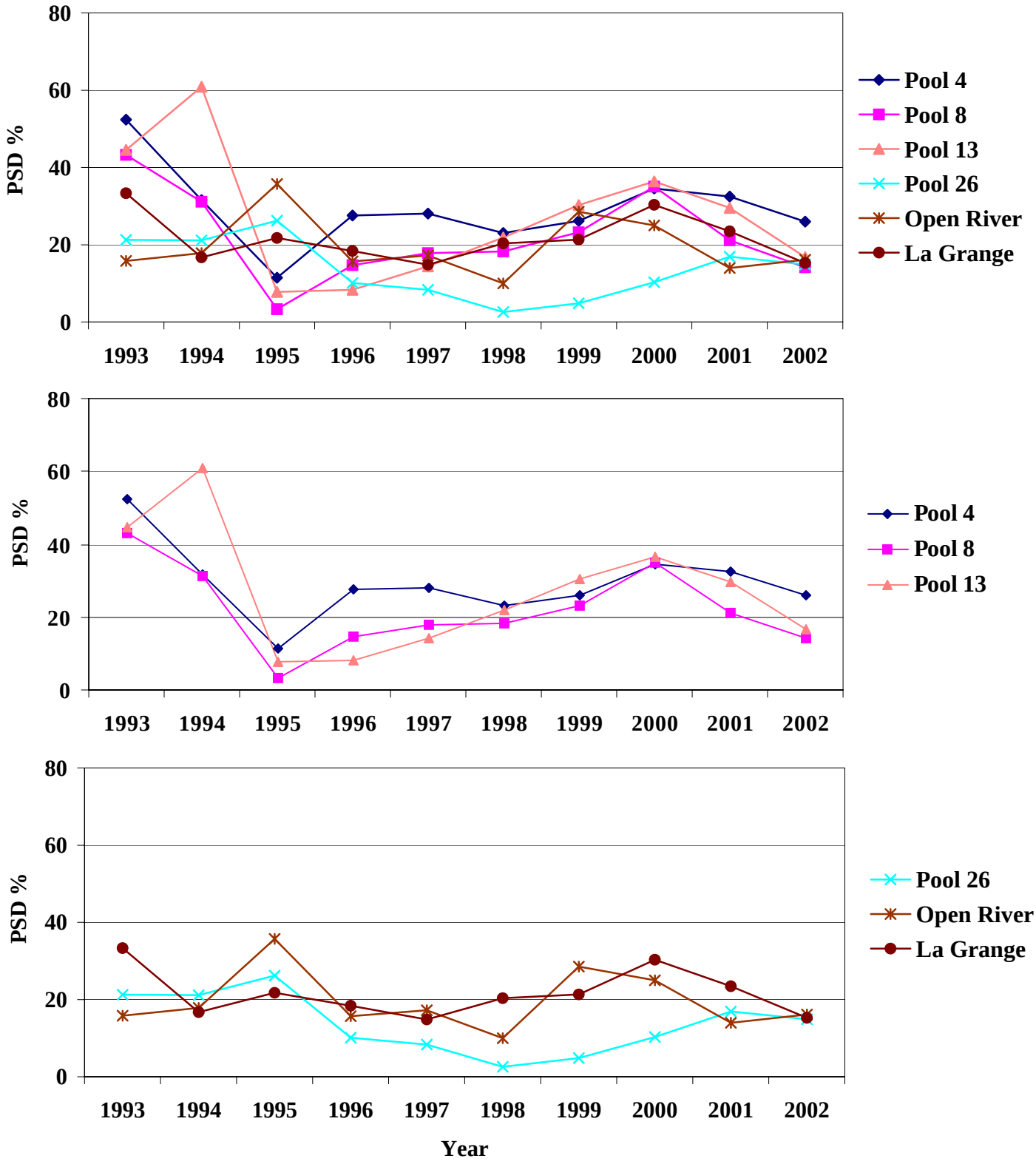
Appendix C.1. Annual proportional stock density (PSD) for black crappie (*Pomoxis nigromaculatus*) collected by day electrofishing in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



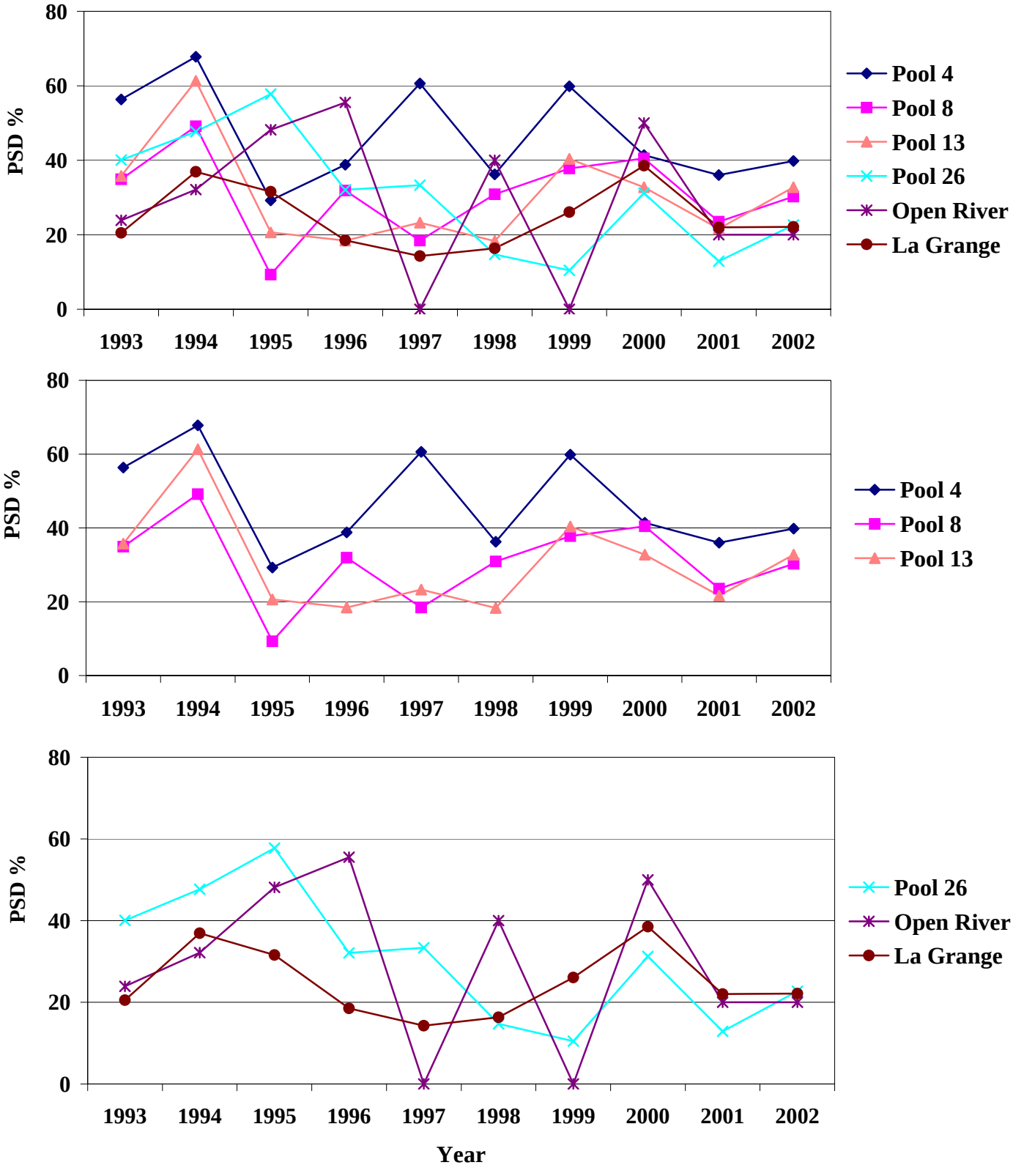
Appendix C.2. Annual proportional stock density (PSD) for black crappie (*Pomoxis nigromaculatus*) collected by fyke nets in study areas of the Long Term Resource Monitoring Program, 1993-2002. Confidence intervals for PSDs are given in Appendix D.



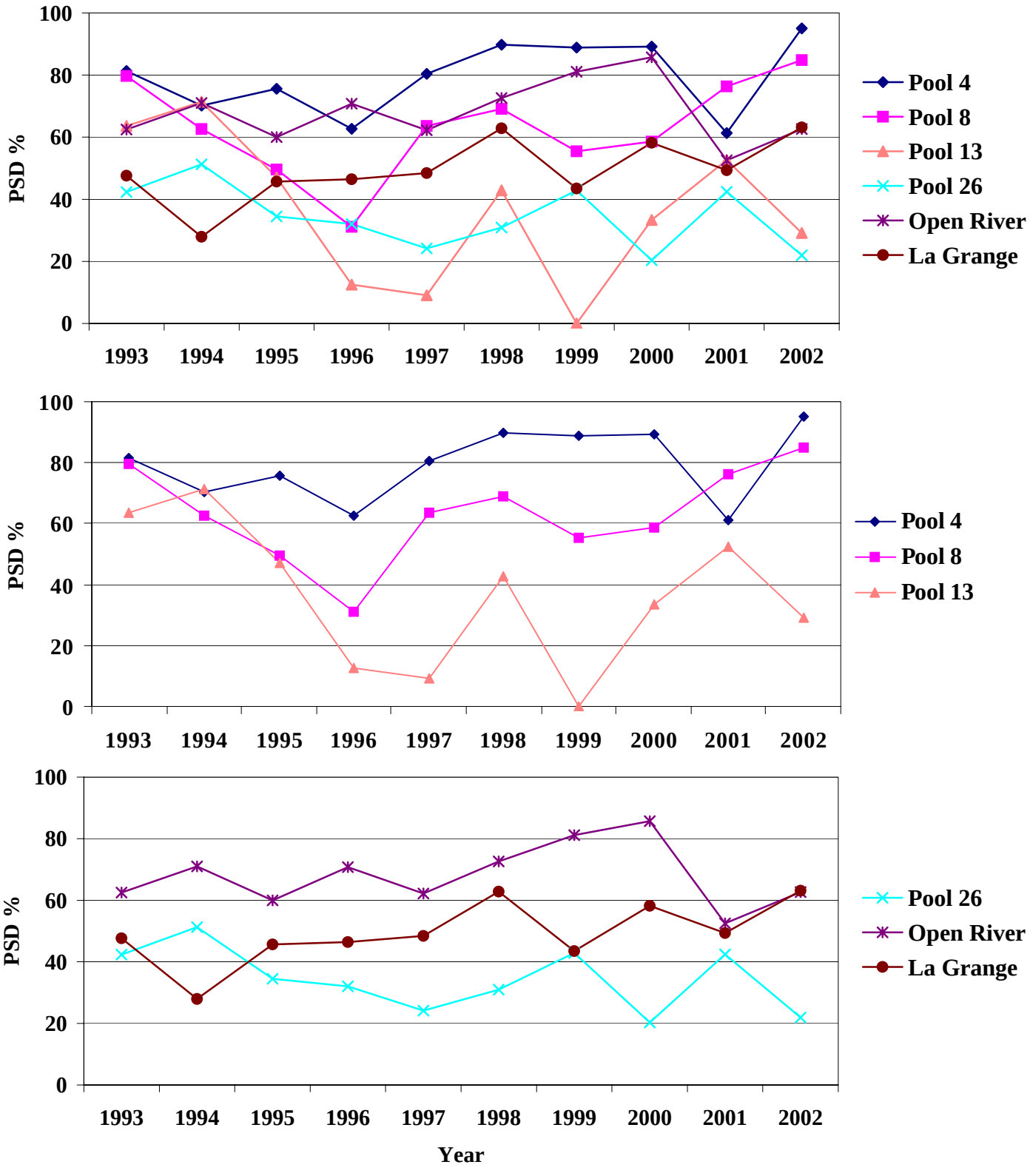
Appendix C.3. Annual proportional stock density (PSD) for bluegill (*Lepomis macrochirus*) collected by day electrofishing in study areas of the Long Term Resource Monitoring Program, 1993-2002. Confidence intervals for PSDs are given in Appendix D.



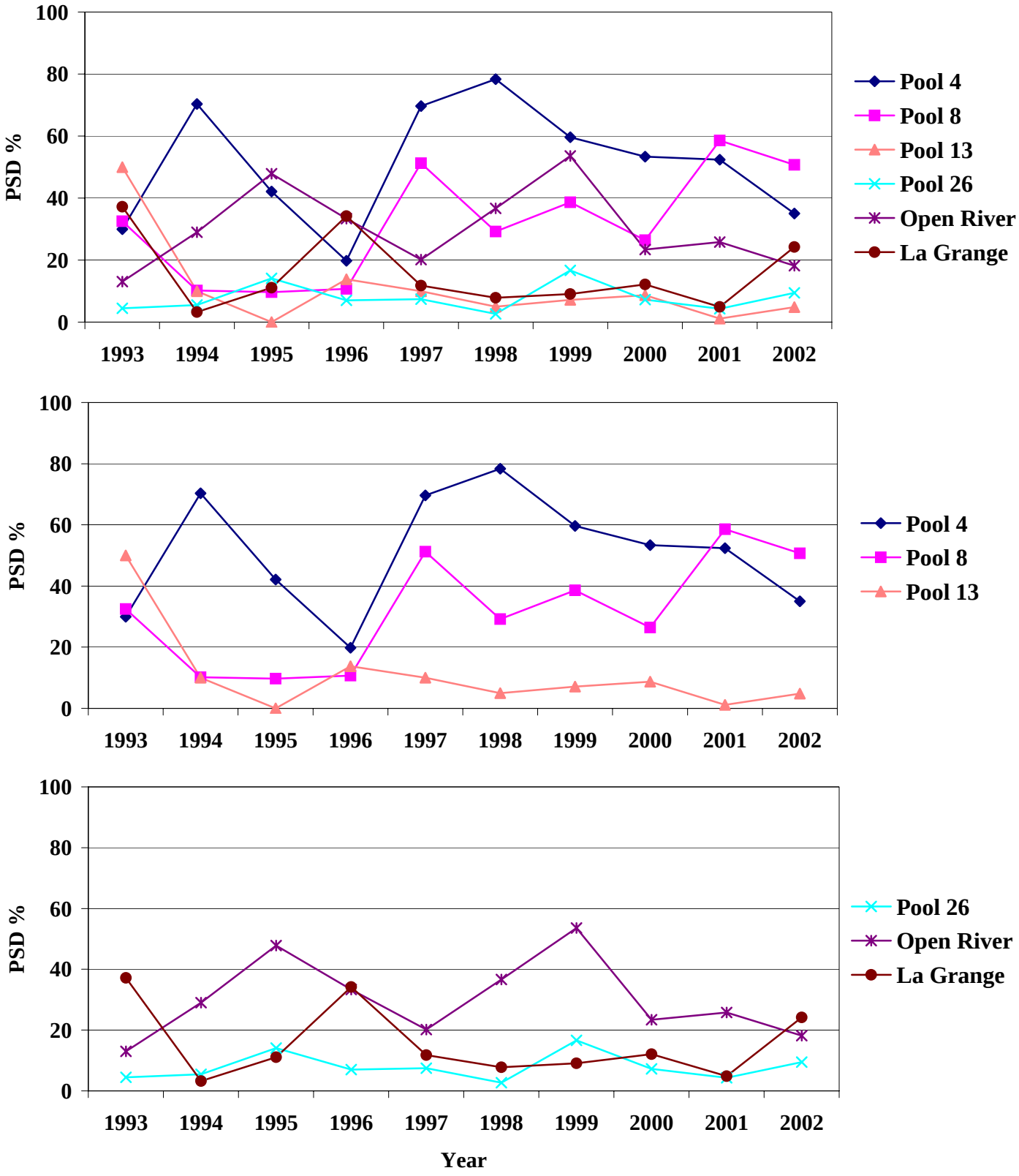
Appendix C.4. Annual proportional stock density (PSD) for bluegill (*Lepomis macrochirus*) collected by fyke nets in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



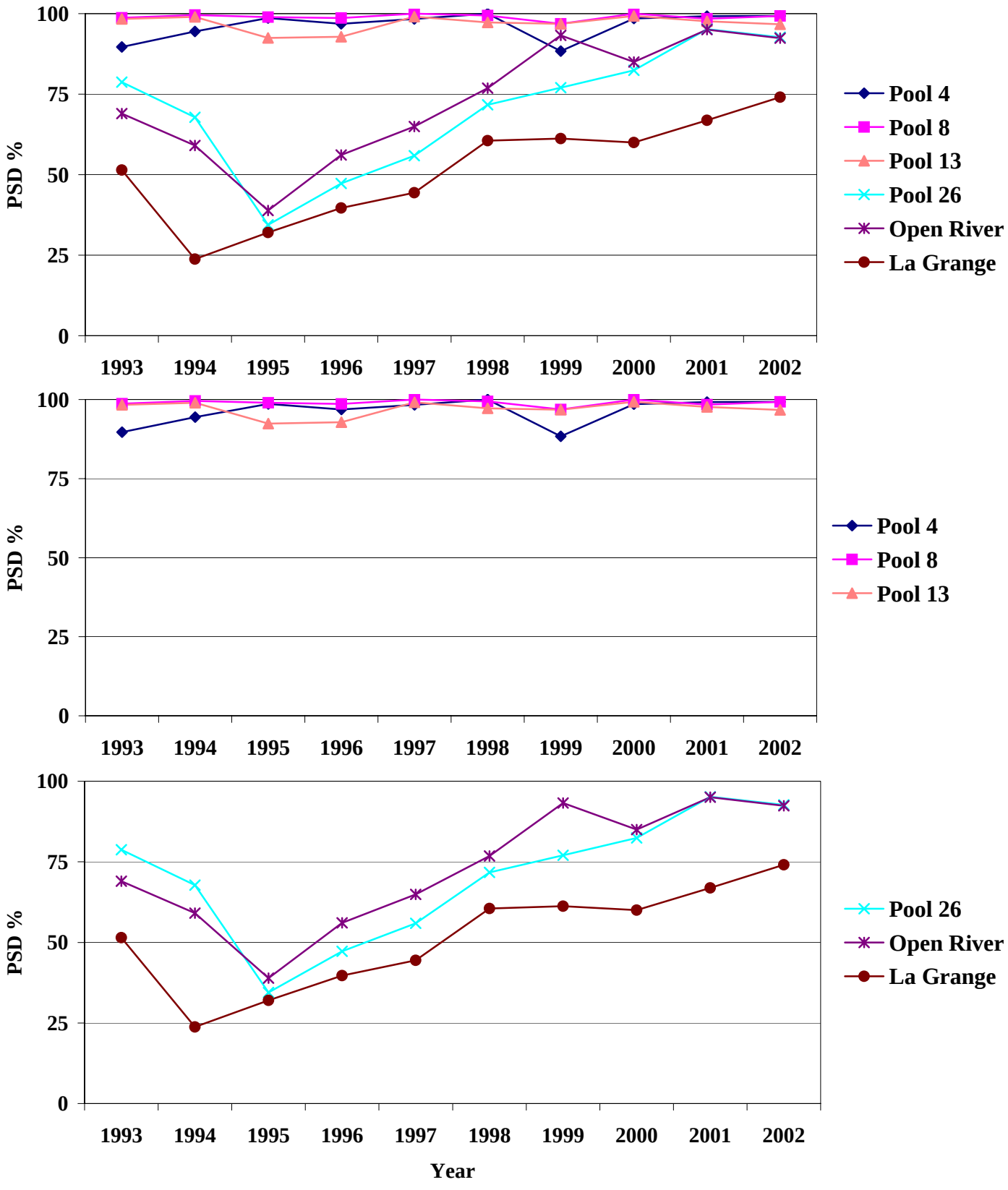
Appendix C.5. Annual proportional stock density (PSD) for channel catfish (*Ictalurus punctatus*) collected by large hoop nets in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



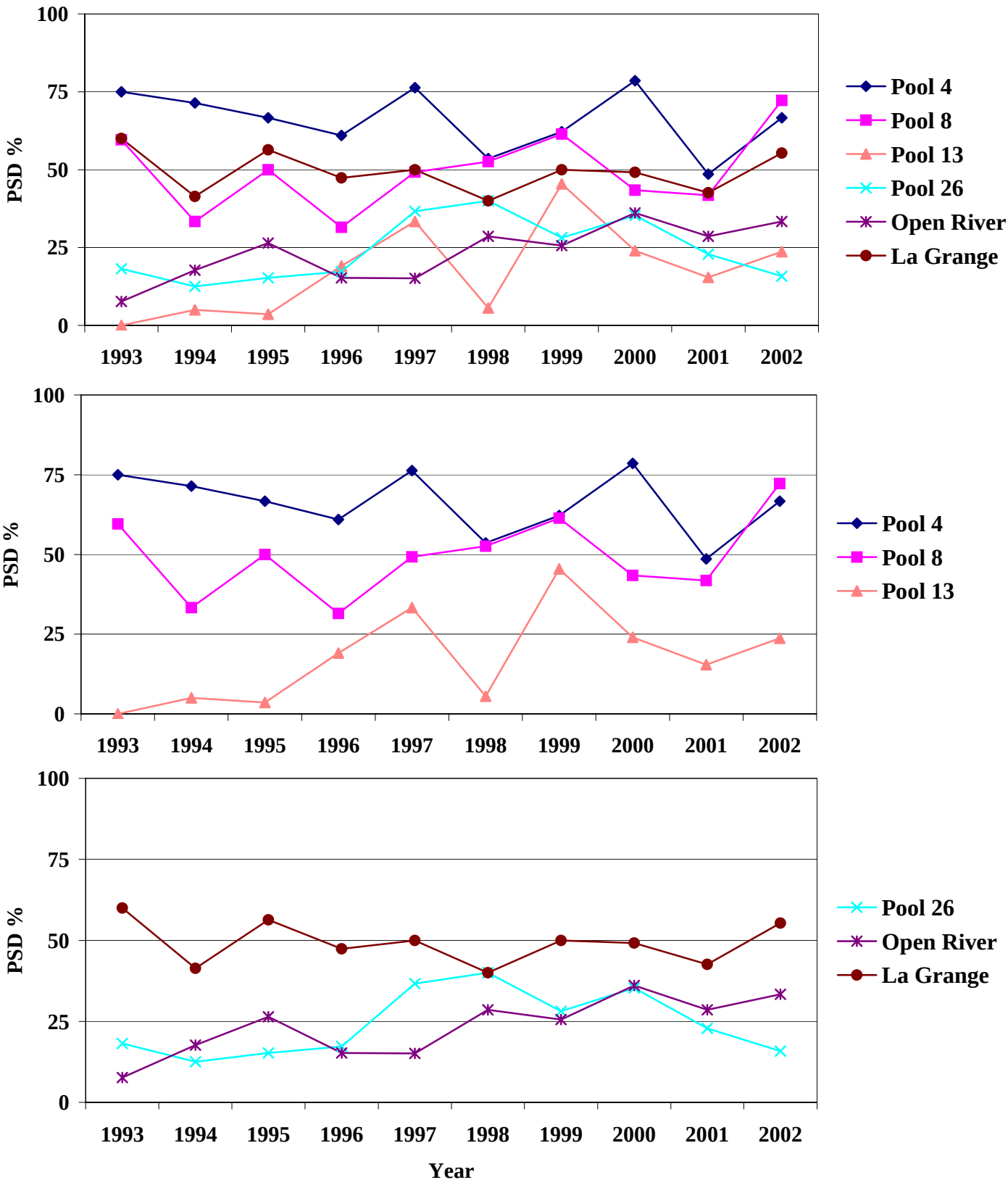
Appendix C.6. Annual proportional stock density (PSD) for channel catfish (*Ictalurus punctatus*) collected by small hoop nets in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



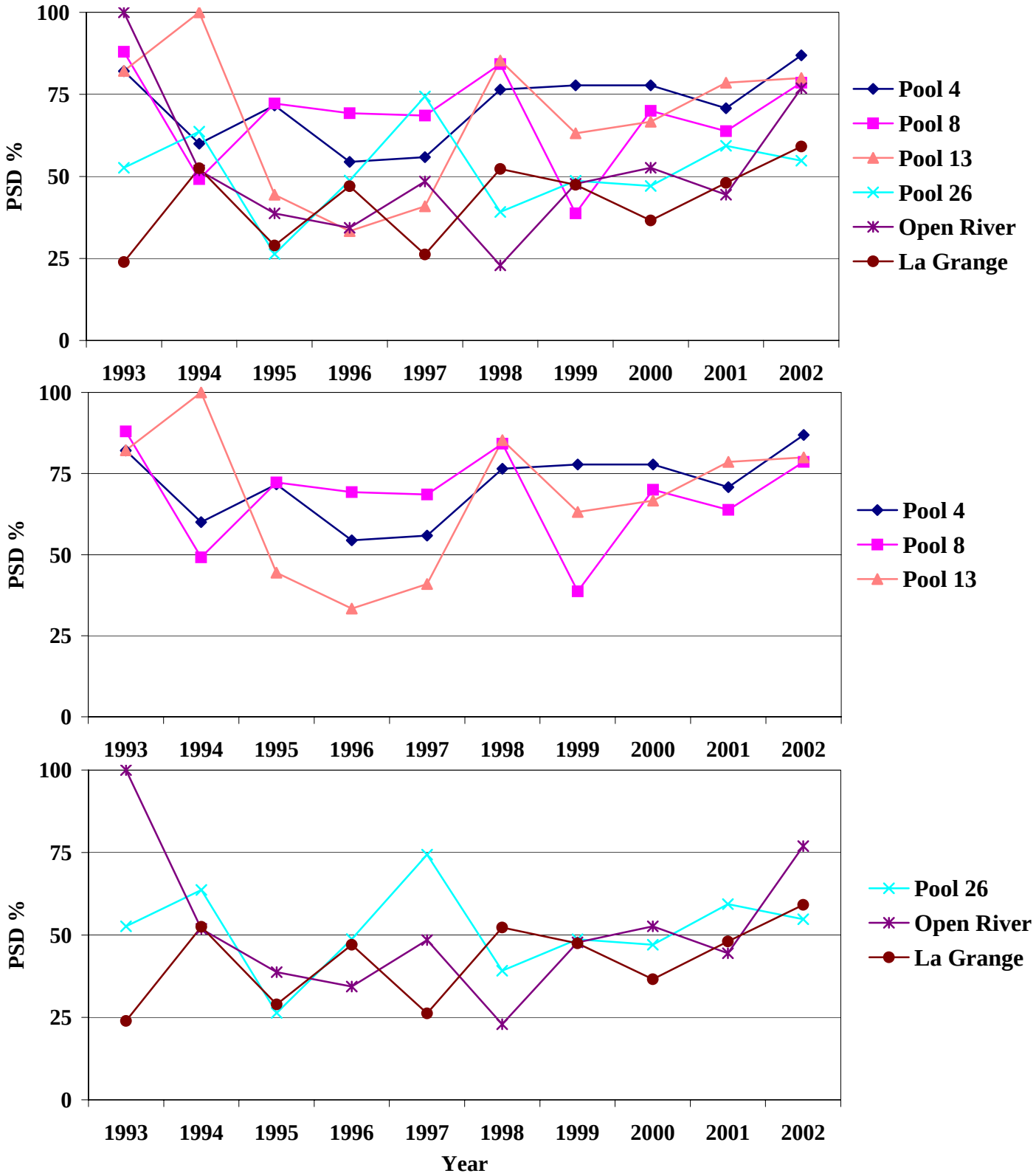
Appendix C.7. Annual proportional stock density (PSD) for common carp (*Cyprinus carpio*) collected by day electrofishing in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



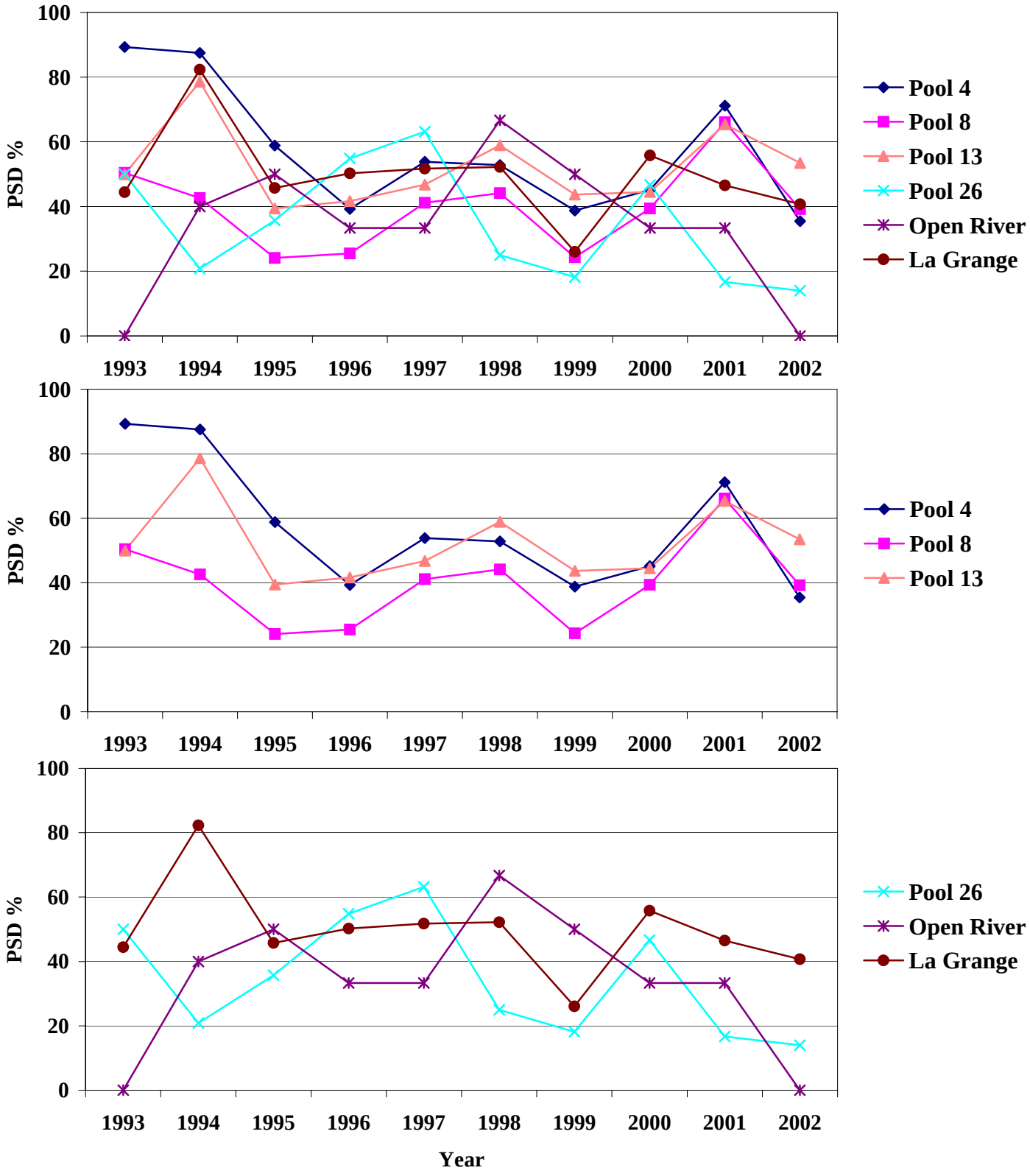
Appendix C.8. Annual proportional stock density (PSD) for flathead catfish (*Pylodictis olivaris*) collected by all combined gear in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



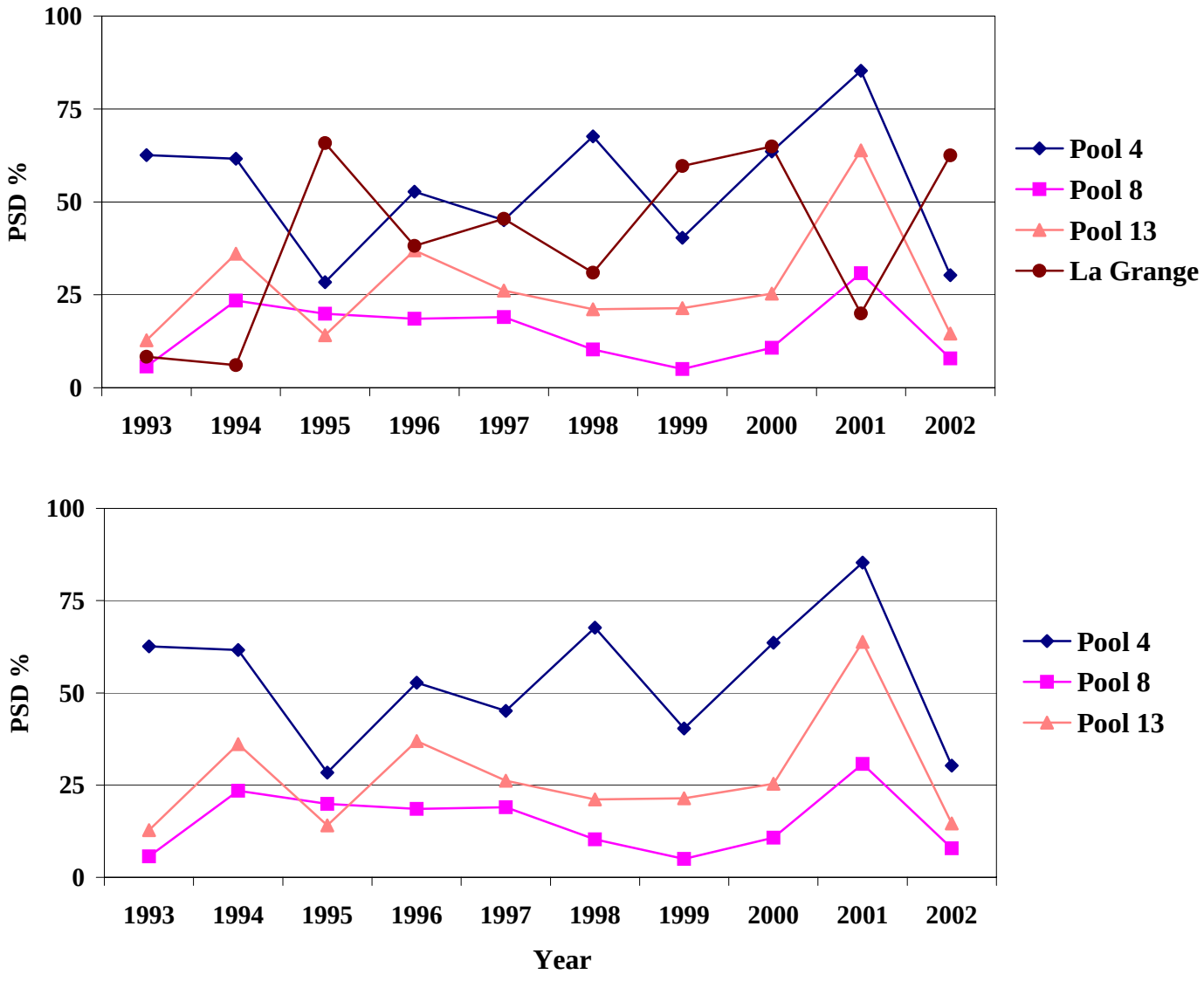
Appendix C.9. Annual proportional stock density (PSD) for freshwater drum (*Aplodinotus grunniens*) collected by day electrofishing in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



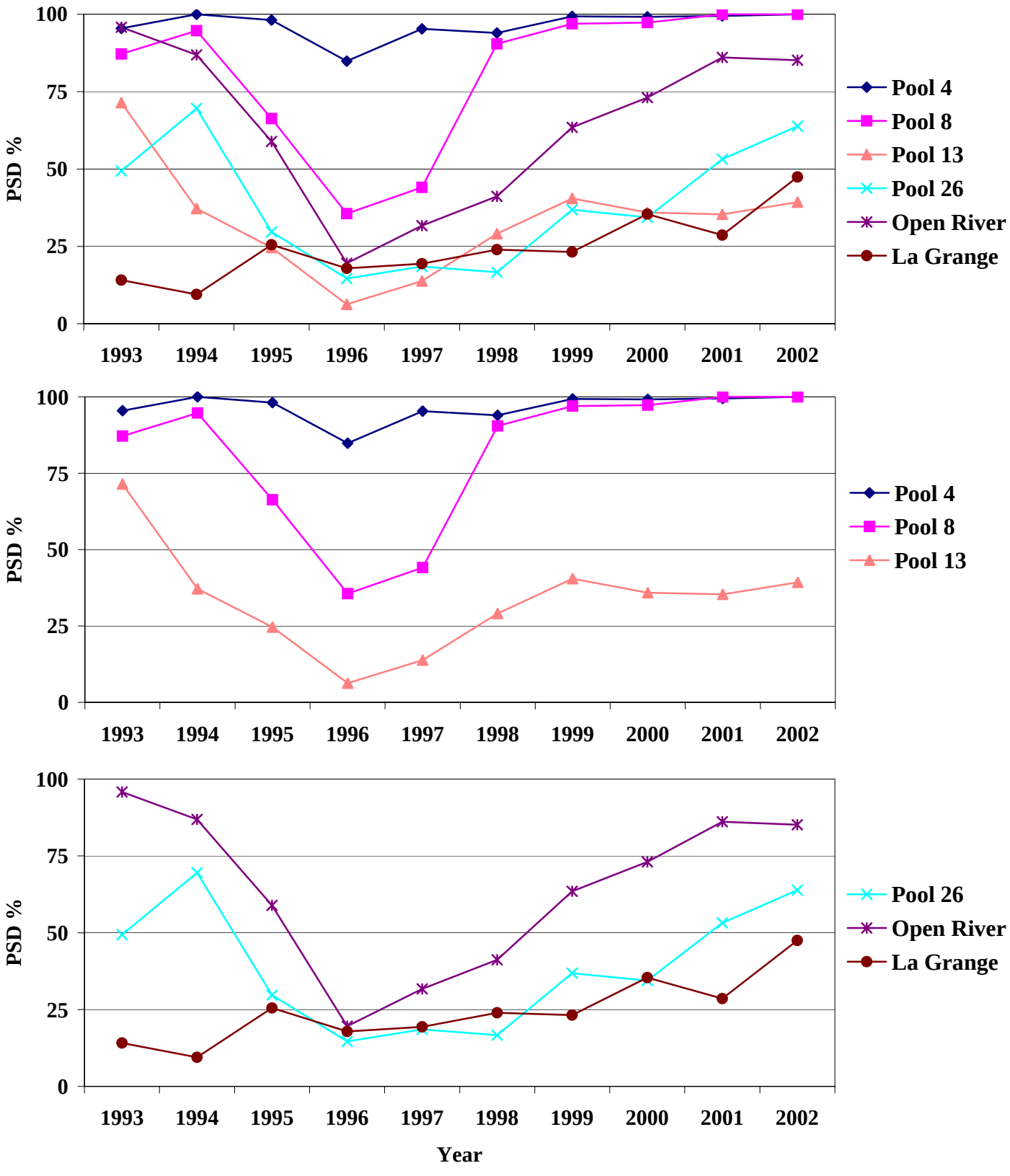
Appendix C.10. Annual proportional stock density (PSD) for largemouth bass (*Micropterus salmoides*) collected by day electrofishing in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



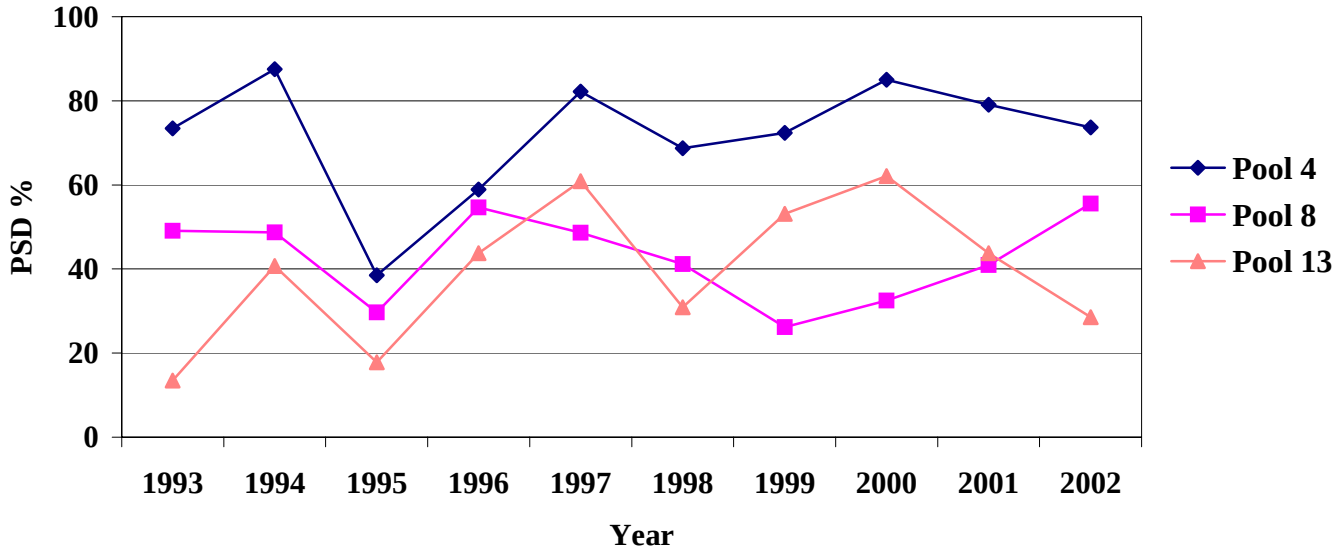
Appendix C.11. Annual proportional stock density (PSD) for sauger (*Stizostedion vitreum*) collected by all combined gear in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



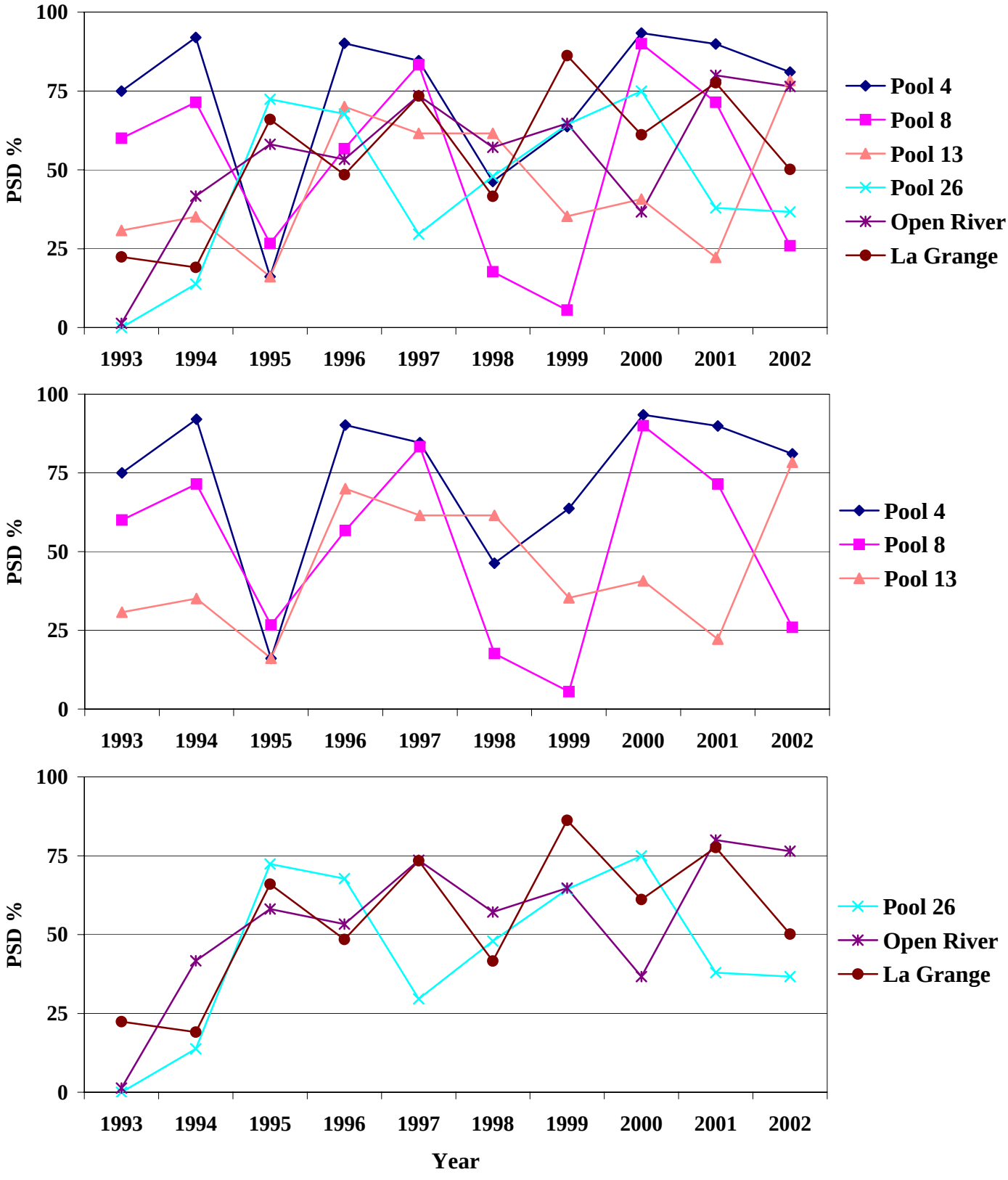
Appendix C.12. Annual proportional stock density (PSD) for smallmouth buffalo (*Ictiobus bubalus*) collected by large hoop nets in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



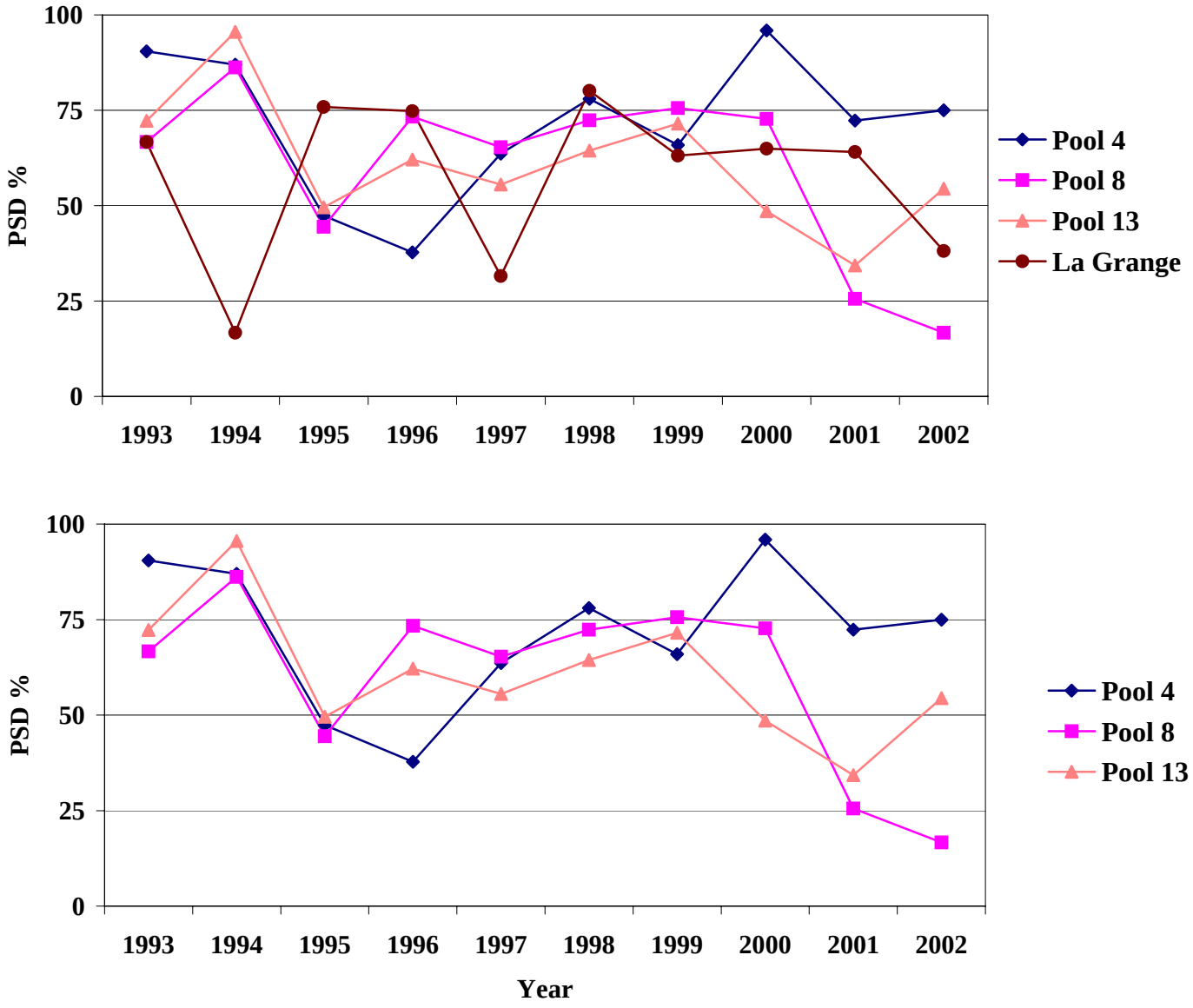
Appendix C.13. Annual proportional stock density (PSD) for walleye (*Stizostedion vitreum*) collected by all combined gear in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



Appendix C.14. Annual proportional stock density (PSD) for white bass (*Morene chrysops*) collected by day electrofishing in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



Appendix C.15. Annual proportional stock density (PSD) for white crappie (*Pomoxis annularis*) collected by all combined gear in study areas of the Long Term Resource Monitoring Program, 1993–2002. Confidence intervals for PSDs are given in Appendix D.



Appendix D.1. Annual proportional stock density (PSD) ± 80% confidence interval for selected centrarchids and total number of fish stock length and greater (n) collected by day electrofishing, fyke netting, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 4. "NA" means that sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
					PSD Day electrofishing					
Black crappie	**46**	**74**	**48**	**79**	**67**	**65**	**49**	**76**	**87**	**73**
	± 16	**NA**	**± 17**	**± 13**	**± 16**	**± 18**	**± 7**	**± 7**	**± 7**	**± 11**
	n=26	*n=19*	*n=23*	*n=28*	*n=24*	*n=20*	*n=98*	*n=87*	*n=62*	*n=41*
Bluegill	**52**	**32**	**11**	**28**	**28**	**23**	**26**	**35**	**32**	**26**
	± 8	**± 5**	**± 3**	**± 5**	**± 4**	**± 4**	**± 2**	**± 3**	**± 5**	**± 5**
	n=84	*n=168*	*n=192*	*n=145*	*n=203*	*n=252*	*n=615*	*n=417*	*n=191*	*n=150*
Largemouth bass	**89**	**88**	**59**	**39**	**54**	**53**	**39**	**45**	**71**	**35**
	NA	**NA**	**± 13**	**± 10**	**± 10**	**± 13**	**± 7**	**± 7**	**± 9**	**± 8**
	n=28	*n=24*	*n=34*	*n=56*	*n=52*	*n=36*	*n=98*	*n=113*	*n=52*	*n=79*
White crappie	**0**	**91**	**100**	**60**	**100**	**100**	**84**	**100**	**57**	**88**
	NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=1	*n=11*	*n=2*	*n=5*	*n=3*	*n=4*	*n=19*	*n=6*	*n=7*	*n=8*
					PSD Fyke nets					
Black crappie	**48**	**78**	**23**	**61**	**60**	**61**	**51**	**49**	**52**	**45**
	± 9	**± 6**	**± 4**	**± 5**	**± 5**	**± 5**	**± 4**	**± 4**	**± 5**	**± 6**
	n=69	*n=108*	*n=252*	*n=217*	*n=164*	*n=179*	*n=238*	*n=263*	*n=171*	*n=125*
Bluegill	**56**	**68**	**29**	**39**	**61**	**36**	**60**	**41**	**36**	**40**
	± 10	**± 7**	**± 5**	**± 7**	**± 6**	**± 5**	**± 3**	**± 3**	**± 2**	**± 3**
	n=55	*n=90*	*n=171*	*n=98*	*n=127*	*n=171*	*n=426*	*n=488*	*n=683*	*n=372*
White crappie	**100**	**100**	**75**	**100**	**53**	**91**	**40**	**94**	**27**	**40**
	NA	**NA**	**NA**	**NA**	**± 21**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=4	*n=1*	*n=8*	*n=1*	*n=17*	*n=11*	*n=5*	*n=18*	*n=11*	*n=5*
					PSD All Gears					
Black crappie	**64**	**81**	**20**	**58**	**66**	**54**	**45**	**59**	**62**	**51**
	± 3	**± 3**	**± 2**	**± 2**	**± 3**	**± 3**	**± 2**	**± 2**	**± 3**	**± 5**
	n=420	*n=372*	*n=780*	*n=776*	*n=426*	*n=594*	*n=899*	*n=896*	*n=643*	*n=193*
Bluegill	**69**	**50**	**21**	**27**	**34**	**25**	**39**	**39**	**42**	**36**
	± 3	**± 4**	**± 2**	**± 2**	**± 3**	**± 2**	**± 1**	**± 2**	**± 2**	**± 3**
	n=412	*n=358*	*n=488*	*n=582*	*n=628*	*n=1,347*	*n=2,210*	*n=1,609*	*n=1,692*	*n=565*
Largemouth bass	**79**	**91**	**44**	**36**	**53**	**49**	**40**	**47**	**62**	**36**
	± 9	**NA**	**± 11**	**± 8**	**± 10**	**± 10**	**± 6**	**± 6**	**± 8**	**± 8**
	n=47	*n=32*	*n=45*	*n=84*	*n=57*	*n=55*	*n=139*	*n=135*	*n=85*	*n=84*
White crappie	**90**	**87**	**47**	**38**	**64**	**78**	**66**	**96**	**72**	**75**
	NA	**NA**	**± 12**	**± 11**	**± 11**	**± 9**	**± 11**	**NA**	**± 8**	**NA**
	n=21	*n=23*	*n=38*	*n=45*	*n=44*	*n=50*	*n=44*	*n=49*	*n=65*	*n=16*

Appendix D.2. Annual proportional stock density (PSD) ± 80% confidence interval for selected centrarchids and total number of fish stock length and greater (n) collected by day electrofishing, fyke netting, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 8. "NA" means that sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Day electrofishing									
Black crappie	**21**	**64**	**24**	**47**	**82**	**52**	**47**	**71**	**57**	**50**
	± 11	**± 13**	**± 7**	**± 8**	**± 7**	**± 9**	**± 7**	**± 11**	**± 15**	**± 11**
	n=39	*n=33*	*n=76*	*n=87*	*n=65*	*n=64*	*n=95*	*n=41*	*n=28*	*n=48*
Bluegill	**43**	**31**	**3**	**15**	**18**	**18**	**23**	**35**	**21**	**14**
	± 5	**± 6**	**± 1**	**± 2**	**± 2**	**± 2**	**± 2**	**± 2**	**± 2**	**± 1**
	n=222	*n=106*	*n=393*	*n=903*	*n=735*	*n=1,015*	*n=912*	*n=696*	*n=747*	*n=1,291*
Largemouth bass	**50**	**43**	**24**	**26**	**41**	**44**	**24**	**39**	**66**	**39**
	± 6	**± 10**	**± 6**	**± 4**	**± 6**	**± 6**	**± 4**	**± 6**	**± 5**	**± 5**
	n=135	*n=54*	*n=108*	*n=294*	*n=141*	*n=154*	*n=271*	*n=127*	*n=168*	*n=176*
White crappie	**100**	**91**	**0**	**91**	**100**	**86**	**100**	**50**	**100**	**0**
	NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=4	*n=11*	*n=1*	*n=11*	*n=3*	*n=7*	*n=2*	*n=4*	*n=1*	*n=0*
	PSD Fyke nets									
Black crappie	**27**	**44**	**35**	**32**	**69**	**57**	**37**	**62**	**47**	**37**
	± 2	**± 2**	**± 2**	**± 2**	**± 2**	**± 3**	**± 2**	**± 4**	**± 3**	**± 4**
	n=1,079	*n=1,043*	*n=690*	*n=1,117*	*n=1,184*	*n=683*	*n=671*	*n=264*	*n=392*	*n=313*
Bluegill	**35**	**49**	**9**	**32**	**18**	**31**	**38**	**40**	**24**	**30**
	± 2	**± 3**	**± 1**	**± 1**	**± 1**	**± 1**	**± 1**	**± 3**	**± 1**	**± 1**
	n=834	*n=460*	*n=1,519*	*n=1,690*	*n=2,266*	*n=2,174*	*n=2,533*	*n=672*	*n=2,051*	*n=1,660*
Pumpkinseed	**0**	**25**	**0**	**0**	**4**	**11**	**7**	**0**	**19**	**16**
	NA	**NA**	**NA**	**NA**	**NA**	**± 6**	**NA**	**NA**	**± 11**	**NA**
	n=22	*n=4*	*n=15*	*n=9*	*n=69*	*n=64*	*n=57*	*n=4*	*n=32*	*n=25*
White crappie	**62**	**86**	**62**	**75**	**50**	**94**	**76**	**100**	**58**	**17**
	± 13	**NA**	**± 17**	**NA**	**± 26**	**NA**	**± 13**	**NA**	**± 26**	**NA**
	n=34	*n=14*	*n=21*	*n=12*	*n=12*	*n=18*	*n=29*	*n=2*	*n=12*	*n=6*
	PSD All Gears									
Black crappie	**26**	**49**	**37**	**30**	**66**	**52**	**43**	**64**	**53**	**40**
	± 2	**± 2**	**± 2**	**± 1**	**± 1**	**± 2**	**± 2**	**± 3**	**± 2**	**± 3**
	n=1,463	*n=1,484*	*n=1,041*	*n=2,347*	*n=1,838*	*n=1,104*	*n=1,219*	*n=599*	*n=943*	*n=372*
Bluegill	**39**	**42**	**8**	**27**	**21**	**25**	**35**	**35**	**23**	**23**
	± 2	**± 2**	**± 1**	**± 1**	**± 1**	**± 1**	**± 1**	**± 1**	**± 1**	**± 1**
	n=1,181	*n=842*	*n=2,823*	*n=3,638*	*n=4,358*	*n=5,077*	*n=5,661*	*n=2,618*	*n=5,437*	*n=3,110*
Largemouth bass	**55**	**51**	**36**	**23**	**43**	**44**	**24**	**30**	**60**	**40**
	± 5	**± 8**	**± 5**	**± 3**	**± 5**	**± 4**	**± 3**	**± 3**	**± 3**	**± 5**
	n=159	*n=83*	*n=188*	*n=463*	*n=178*	*n=244*	*n=504*	*n=422*	*n=647*	*n=184*
Pumpkinseed	**5**	**17**	**0**	**4**	**4**	**8**	**7**	**23**	**16**	**10**
	NA	**NA**	**NA**	**NA**	**NA**	**± 3**	**± 4**	**± 10**	**± 6**	**NA**
	n=37	*n=12*	*n=35*	*n=23*	*n=117*	*n=144*	*n=119*	*n=40*	*n=82*	*n=41*
White crappie	**67**	**86**	**44**	**73**	**65**	**72**	**76**	**73**	**26**	**17**
	± 8	**NA**	**± 13**	**± 10**	**± 10**	**± 10**	**± 10**	**NA**	**± 10**	**NA**
	n=81	*n=29*	*n=36*	*n=45*	*n=49*	*n=47*	*n=41*	*n=11*	*n=43*	*n=6*

Appendix D.3. Annual proportional stock density values (PSD) ± 80% confidence interval for selected centrarchids and total number of fish stock length and greater (n) for day electrofishing, fyke netting, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 13. "NA" means the sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Day electrofishing									
Black crappie	**68**	**83**	**32**	**30**	**66**	**67**	**53**	**57**	**64**	**48**
	± 16	**± 10**	**± 10**	**± 10**	**± 12**	**± 6**	**± 7**	**± 8**	**NA**	**± 15**
	n=22	*n=35*	*n=47*	*n=47*	*n=38*	*n=112*	*n=93*	*n=82*	*n=11*	*n=27*
Bluegill	**35**	**57**	**6**	**6**	**10**	**18**	**20**	**33**	**28**	**15**
	± 4	**± 6**	**± 2**	**± 1**	**± 2**	**± 2**	**± 2**	**± 4**	**± 5**	**± 4**
	n=224	*n=116*	*n=339*	*n=697*	*n=531*	*n=722*	*n=1,176*	*n=313*	*n=135*	*n=187*
Largemouth bass	**49**	**76**	**41**	**42**	**46**	**60**	**40**	**46**	**65**	**57**
	± 6	**± 7**	**± 7**	**± 5**	**± 6**	**± 6**	**± 4**	**± 5**	**± 8**	**± 6**
	n=135	*n=84*	*n=101*	*n=193*	*n=148*	*n=142*	*n=273*	*n=209*	*n=77*	*n=123*
Pumpkinseed	**22**	**0**	**0**	**9**	**2**	**6**	**16**	**10**	**0**	**6**
	NA	**NA**	**NA**	**± 6**	**NA**	**NA**	**± 9**	**NA**	**NA**	**NA**
	n=19	*n=5*	*n=26*	*n=56*	*n=107*	*n=52*	*n=45*	*n=31*	*n=14*	*n=56*
White crappie	**76**	**100**	**38**	**75**	**57**	**72**	**79**	**91**	**78**	**58**
	± 12	**NA**	**± 15**	**± 13**	**± 10**	**± 9**	**± 7**	**NA**	**± 13**	**± 9**
	n=33	*n=42*	*n=26*	*n=28*	*n=51*	*n=61*	*n=70*	*n=32*	*n=27*	*n=65*
	PSD Fyke nets									
Black crappie	**47**	**83**	**39**	**18**	**54**	**59**	**31**	**46**	**37**	**38**
	± 3	**± 3**	**± 4**	**± 2**	**± 4**	**± 5**	**± 5**	**± 4**	**± 3**	**± 4**
	n=643	*n=307*	*n=295*	*n=596*	*n=285*	*n=158*	*n=183*	*n=319*	*n=410*	*n=247*
Bluegill	**24**	**57**	**19**	**14**	**22**	**16**	**36**	**28**	**16**	**31**
	± 2	**± 5**	**± 2**	**± 2**	**± 2**	**± 2**	**± 3**	**± 2**	**± 2**	**± 3**
	n=959	*n=190*	*n=504*	*n=569*	*n=543*	*n=501*	*n=351*	*n=1,264*	*n=796*	*n=407*
Largemouth bass	**68**	**76**	**70**	**39**	**55**	**78**	**43**	**68**	**50**	**63**
	± 16	**NA**	**± 14**	**± 13**	**NA**	**NA**	**± 18**	**± 11**	**± 16**	**± 21**
	n=22	*n=17*	*n=28*	*n=33*	*n=11*	*n=18*	*n=21*	*n=40*	*n=26*	*n=16*
Pumpkinseed	**23**	**21**	**2**	**15**	**6**	**7**	**13**	**13**	**15**	**4**
	± 6	**± 14**	**± 1**	**NA**	**± 3**	**± 4**	**± 5**	**± 2**	**± 5**	**± 3**
	n=104	*n=24*	*n=257*	*n=27*	*n=163*	*n=100*	*n=119*	*n=504*	*n=96*	*n=126*
White crappie	**73**	**98**	**47**	**52**	**54**	**59**	**68**	**36**	**29**	**52**
	± 7	**NA**	**± 8**	**± 8**	**± 10**	**± 10**	**± 6**	**± 6**	**± 4**	**± 5**
	n=86	*n=51*	*n=85*	*n=88*	*n=52*	*n=54*	*n=106*	*n=140*	*n=223*	*n=231*
	PSD All Gears									
Black crappie	**48**	**81**	**28**	**22**	**51**	**51**	**39**	**46**	**40**	**41**
	± 2	**± 2**	**± 2**	**± 2**	**± 3**	**± 3**	**± 3**	**± 3**	**± 3**	**± 4**
	n=1,165	*n=684*	*n=823*	*n=934*	*n=681*	*n=420*	*n=484*	*n=542*	*n=608*	*n=326*
Bluegill	**24**	**47**	**14**	**11**	**15**	**16**	**24**	**28**	**18**	**20**
	± 1	**± 3**	**± 1**	**± 1**	**± 1**	**± 1**	**± 1**	**± 1**	**± 1**	**± 2**
	n=2,150	*n=564*	*n=1,439*	*n=2,028*	*n=2,157*	*n=2,170*	*n=2,550*	*n=2,483*	*n=2,114*	*n=880*
Largemouth bass	**49**	**72**	**44**	**34**	**44**	**58**	**37**	**44**	**54**	**57**
	± 5	**± 5**	**± 4**	**± 3**	**± 5**	**± 4**	**± 3**	**± 3**	**± 5**	**± 6**
	n=197	*n=187*	*n=244*	*n=363*	*n=218*	*n=231*	*n=474*	*n=395*	*n=199*	*n=141*
Pumpkinseed	**17**	**24**	**4**	**15**	**7**	**5**	**14**	**12**	**8**	**5**
	± 3	**± 10**	**± 1**	**± 4**	**± 2**	**± 2**	**± 3**	**± 2**	**± 2**	**± 2**
	n=247	*n=41*	*n=363*	*n=167*	*n=362*	*n=279*	*n=332*	*n=609*	*n=298*	*n=224*
White crappie	**69**	**95**	**48**	**58**	**53**	**62**	**66**	**47**	**33**	**53**
	± 3	**± 2**	**± 5**	**± 5**	**± 5**	**± 5**	**± 4**	**± 5**	**± 3**	**± 4**
	n=335	*n=182*	*n=229*	*n=173*	*n=173*	*n=183*	*n=298*	*n=205*	*n=349*	*n=329*

Appendix D.4. Annual proportional stock density (PSD) ± 80% confidence interval of selected centrarchids and total number of fish stock length and greater (n) by day electrofishing, fyke netting, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 26. "NA" means the sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Day electrofishing									
Black crappie	**50**	**12**	**54**	**94**	**6**	**40**	**13**	**50**	**20**	**39**
	NA	**NA**	**± 13**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**± 19**
	n=6	*n=41*	*n=35*	*n=16*	*n=16*	*n=10*	*n=15*	*n=6*	*n=20*	*n=18*
Bluegill	**21**	**21**	**26**	**10**	**8**	**3**	**5**	**10**	**17**	**15**
	± 6	**± 3**	**± 5**	**± 4**	**± 3**	**± 1**	**± 2**	**± 4**	**± 3**	**± 3**
	n=94	*n=369*	*n=141*	*n=119*	*n=144*	*n=354*	*n=248*	*n=136*	*n=331*	*n=235*
Largemouth bass	**50**	**21**	**36**	**55**	**63**	**25**	**18**	**47**	**17**	**14**
	± 15	**± 7**	**± 10**	**± 14**	**± 19**	**NA**	**± 11**	**± 23**	**± 7**	**± 9**
	n=28	*n=72*	*n=56*	*n=31*	*n=19*	*n=8*	*n=33*	*n=15*	*n=72*	*n=43*
White crappie	**71**	**76**	**75**	**50**	**88**	**17**	**60**	**90**	**47**	**56**
	NA	**± 14**	**NA**	**NA**	**NA**	**NA**	**± 22**	**NA**	**± 19**	**NA**
	n=14	*n=25*	*n=8*	*n=4*	*n=8*	*n=6*	*n=15*	*n=10*	*n=19*	*n=9*
	PSD Fyke nets									
Black crappie	**38**	**10**	**38**	**63**	**13**	**15**	**10**	**29**	**31**	**14**
	± 11	**± 3**	**± 3**	**± 7**	**NA**	**NA**	**NA**	**± 12**	**± 8**	**± 4**
	n=48	*n=242*	*n=359*	*n=95*	*n=15*	*n=26*	*n=29*	*n=35*	*n=77*	*n=145*
Bluegill	**40**	**48**	**58**	**32**	**33**	**15**	**10**	**31**	**13**	**23**
	± 4	**± 4**	**± 3**	**± 6**	**± 10**	**± 10**	**± 5**	**± 5**	**± 4**	**± 7**
	n=262	*n=256*	*n=379*	*n=106*	*n=54*	*n=34*	*n=86*	*n=141*	*n=178*	*n=75*
White crappie	**61**	**61**	**81**	**62**	**60**	**23**	**40**	**25**	**45**	**37**
	± 14	**± 8**	**NA**	**NA**	**NA**	**NA**	**NA**	**± 15**	**± 12**	**± 14**
	n=31	*n=74*	*n=26*	*n=13*	*n=5*	*n=13*	*n=5*	*n=24*	*n=38*	*n=30*
	PSD All Gears									
Black crappie	**42**	**6**	**43**	**71**	**11**	**34**	**15**	**37**	**34**	**17**
	± 9	**± 1**	**± 3**	**± 5**	**± 7**	**± 9**	**± 6**	**± 8**	**± 6**	**± 4**
	n=66	*n=669*	*n=562*	*n=157*	*n=54*	*n=56*	*n=86*	*n=70*	*n=109*	*n=168*
Bluegill	**38**	**36**	**47**	**19**	**16**	**5**	**8**	**21**	**17**	**17**
	± 3	**± 2**	**± 3**	**± 3**	**± 3**	**± 1**	**± 2**	**± 3**	**± 2**	**± 3**
	n=453	*n=784*	*n=621*	*n=303*	*n=242*	*n=435*	*n=401*	*n=364*	*n=551*	*n=319*
Largemouth bass	**52**	**26**	**41**	**61**	**60**	**27**	**21**	**43**	**16**	**14**
	± 14	**± 6**	**± 9**	**± 12**	**± 18**	**NA**	**± 10**	**± 18**	**± 6**	**± 8**
	n=31	*n=107*	*n=69*	*n=38*	*n=20*	*n=11*	*n=38*	*n=21*	*n=74*	*n=44*
White crappie	**63**	**59**	**78**	**68**	**41**	**25**	**61**	**53**	**42**	**41**
	± 10	**± 6**	**± 9**	**± 15**	**± 14**	**± 11**	**± 12**	**± 10**	**± 8**	**± 12**
	n=52	*n=153*	*n=49*	*n=25*	*n=32*	*n=36*	*n=41*	*n=59*	*n=72*	*n=39*

Appendix D.5. Annual proportional stock density (PSD) ± 80% confidence interval for selected centrarchids and total number of fish stock length and greater (n) collected by day electrofishing, fyke netting, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in the Open River. "NA" means that sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
					PSD Day electrofishing					
Black crappie	**0**	**43**	**86**	**50**	**83**	**75**	**50**	**0**	**40**	**14**
	NA	**NA**	**NA**	**± 24**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=3	*n=7*	*n=14*	*n=14*	*n=18*	*n=4*	*n=2*	*n=0*	*n=5*	*n=7*
Bluegill	**16**	**18**	**36**	**16**	**17**	**10**	**29**	**25**	**14**	**16**
	NA	**± 6**	**± 15**	**± 8**	**NA**	**NA**	**± 14**	**NA**	**± 9**	**NA**
	n=19	*n=101*	*n=28*	*n=51*	*n=29*	*n=40*	*n=28*	*n=16*	*n=43*	*n=31*
Largemouth bass	**0**	**40**	**50**	**33**	**33**	**67**	**50**	**33**	**33**	**0**
	NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=0	*n=10*	*n=6*	*n=3*	*n=9*	*n=3*	*n=10*	*n=3*	*n=3*	*n=2*
White crappie	**79**	**80**	**92**	**32**	**100**	**0**	**100**	**100**	**50**	**0**
	± 8	**NA**	**NA**	**± 18**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=57	*n=15*	*n=12*	*n=19*	*n=6*	*n=1*	*n=7*	*n=2*	*n=2*	*n=1*
					PSD Fyke nets					
Black crappie	**55**	**5**	**50**	**62**	**50**	**100**	**0**	**0**	**0**	**20**
	NA	**NA**	**± 17**	**± 12**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=11	*n=42*	*n=22*	*n=39*	*n=2*	*n=1*	*n=6*	*n=0*	*n=1*	*n=5*
Bluegill	**24**	**32**	**48**	**56**	**0**	**40**	**0**	**50**	**20**	**20**
	± 8	**± 6**	**± 15**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=67	*n=112*	*n=27*	*n=9*	*n=0*	*n=5*	*n=1*	*n=2*	*n=5*	*n=5*
White crappie	**66**	**30**	**67**	**52**	**71**	**70**	**0**	**25**	**0**	**0**
	± 7	**± 8**	**NA**	**± 18**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=106	*n=64*	*n=3*	*n=21*	*n=7*	*n=10*	*n=1*	*n=4*	*n=0*	*n=2*
					PSD All Gears					
Black crappie	**47**	**13**	**57**	**54**	**71**	**71**	**13**	**0**	**29**	**30**
	± 21	**± 6**	**± 12**	**± 10**	**± 15**	**NA**	**NA**	**NA**	**NA**	**± 17**
	n=17	*n=76*	*n=42*	*n=59*	*n=24*	*n=7*	*n=8*	*n=0*	*n=7*	*n=20*
Bluegill	**21**	**26**	**40**	**21**	**18**	**12**	**25**	**26**	**13**	**15**
	± 6	**± 3**	**± 9**	**± 8**	**± 11**	**± 7**	**± 12**	**NA**	**± 7**	**± 9**
	n=89	*n=323*	*n=65*	*n=63*	*n=34*	*n=50*	*n=32*	*n=19*	*n=53*	*n=39*
Largemouth bass	**29**	**42**	**57**	**33**	**30**	**67**	**50**	**33**	**33**	**0**
	NA	**± 26**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=7	*n=12*	*n=7*	*n=3*	*n=10*	*n=3*	*n=10*	*n=3*	*n=3*	*n=2*
White crappie	**73**	**44**	**78**	**40**	**83**	**62**	**80**	**50**	**33**	**0**
	± 5	**± 7**	**± 14**	**± 11**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=181	*n=106*	*n=23*	*n=47*	*n=18*	*n=13*	*n=10*	*n=6*	*n=3*	*n=12*

Appendix D.6. Annual proportional stock density (PSD) ± 80% confidence interval for selected centrarchids and total number of fish stock length and greater (n) collected by day electrofishing, fyke netting, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in the La Grange Pool, Illinois River. "NA" means that sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Day electrofishing									
Black crappie	**83**	**48**	**57**	**90**	**60**	**90**	**49**	**74**	**61**	**44**
	NA	**± 4**	**± 3**	**± 2**	**± 3**	**± 3**	**± 4**	**± 5**	**± 9**	**± 5**
	n=6	*n=353*	*n=561*	*n=523*	*n=370*	*n=285*	*n=304*	*n=150*	*n=70*	*n=222*
Bluegill	**33**	**17**	**22**	**18**	**15**	**20**	**21**	**30**	**23**	**15**
	± 14	**± 2**	**± 2**	**± 2**	**± 1**	**± 1**	**± 1**	**± 2**	**± 3**	**± 2**
	n=30	*n=735*	*n=1,185*	*n=1,046*	*n=1,121*	*n=1,807*	*n=1,368*	*n=815*	*n=495*	*n=767*
Largemouth bass	**44**	**82**	**46**	**50**	**52**	**52**	**26**	**56**	**47**	**41**
	NA	**± 4**	**± 4**	**± 5**	**± 4**	**± 4**	**± 2**	**± 3**	**± 5**	**± 5**
	n=9	*n=203*	*n=328*	*n=223*	*n=259*	*n=316*	*n=680*	*n=421*	*n=172*	*n=221*
White crappie	**33**	**33**	**82**	**96**	**49**	**90**	**82**	**75**	**82**	**38**
	NA	**± 4**	**± 2**	**± 2**	**± 5**	**± 3**	**± 5**	**± 7**	**± 6**	**± 2**
	n=3	*n=275*	*n=507*	*n=205*	*n=206*	*n=266*	*n=147*	*n=73*	*n=83*	*n=803*
	PSD Fyke nets									
Black crappie	**86**	**25**	**32**	**39**	**15**	**72**	**18**	**55**	**35**	**23**
	± 9	**± 2**	**± 2**	**± 2**	**± 1**	**± 3**	**± 1**	**± 6**	**± 4**	**± 2**
	n=42	*n=925*	*n=1,115*	*n=713*	*n=1,211*	*n=418*	*n=1,191*	*n=139*	*n=296*	*n=624*
Bluegill	**21**	**37**	**32**	**18**	**14**	**16**	**26**	**39**	**22**	**22**
	± 4	**± 3**	**± 2**	**± 2**	**± 2**	**± 1**	**± 2**	**± 3**	**± 3**	**± 2**
	n=229	*n=474*	*n=858*	*n=692*	*n=595*	*n=1,354*	*n=1,457*	*n=423*	*n=495*	*n=560*
White crappie	**83**	**11**	**70**	**59**	**23**	**66**	**52**	**68**	**60**	**41**
	NA	**± 2**	**± 3**	**± 7**	**± 4**	**± 5**	**± 4**	**± 7**	**± 6**	**± 4**
	n=12	*n=396*	*n=431*	*n=105*	*n=231*	*n=156*	*n=244*	*n=91*	*n=128*	*n=346*
	PSD All Gears									
Black crappie	**81**	**35**	**39**	**57**	**21**	**77**	**21**	**62**	**40**	**28**
	± 7	**± 1**	**± 1**	**± 2**	**± 1**	**± 2**	**± 1**	**± 4**	**± 3**	**± 2**
	n=63	*n=1,838*	*n=2,074*	*n=1,493*	*n=2,162*	*n=795*	*n=1,904*	*n=350*	*n=420*	*n=872*
Bluegill	**22**	**19**	**26**	**17**	**14**	**18**	**24**	**32**	**21**	**17**
	± 3	**± 1**	**± 1**	**± 1**	**± 1**	**± 1**	**± 1**	**± 2**	**± 2**	**± 1**
	n=469	*n=2,972*	*n=2,489*	*n=2,304*	*n=2,245*	*n=3,803*	*n=3,482*	*n=1,519*	*n=1,223*	*n=1,418*
Largemouth bass	**59**	**78**	**47**	**47**	**52**	**49**	**25**	**56**	**43**	**40**
	± 17	**± 3**	**± 3**	**± 4**	**± 4**	**± 3**	**± 2**	**± 3**	**± 4**	**± 4**
	n=22	*n=384*	*n=385*	*n=252*	*n=337*	*n=375*	*n=815*	*n=567*	*n=253*	*n=231*
White crappie	**67**	**17**	**76**	**75**	**32**	**80**	**63**	**65**	**64**	**38**
	± 17	**± 1**	**± 2**	**± 3**	**± 2**	**± 2**	**± 3**	**± 4**	**± 4**	**± 2**
	n=21	*n=1,126*	*n=1,226*	*n=424*	*n=649*	*n=472*	*n=534*	*n=214*	*n=295*	*n=1,224*

Appendix D.7. Annual proportional stock density (PSD) ± 80% confidence interval for common carp, freshwater drum, sauger, walleye, and white bass and total number of fish stock length and greater (n) collected by day electrofishing, night electrofishing, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 4. "NA" means that sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Day electrofishing									
Common carp	**90**	**94**	**99**	**97**	**98**	**100**	**88**	**99**	**99**	**99**
	± 2	**± 2**	**NA**	**± 1**	**± 1**	**NA**	**± 2**	**± 1**	**NA**	**NA**
	n=504	*n=414*	*n=437*	*n=415*	*n=543*	*n=430*	*n=463*	*n=535*	*n=375*	*n=271*
Freshwater drum	**82**	**60**	**72**	**54**	**56**	**76**	**78**	**78**	**71**	**87**
	± 5	**± 8**	**± 9**	**± 8**	**± 9**	**± 7**	**± 5**	**± 7**	**± 8**	**± 7**
	n=134	*n=75*	*n=60*	*n=79*	*n=68*	*n=85*	*n=117*	*n=72*	*n=65*	*n=61*
Sauger	**36**	**44**	**19**	**34**	**24**	**51**	**17**	**23**	**83**	**33**
	± 17	**NA**	**± 11**	**± 11**	**± 11**	**± 12**	**± 5**	**± 10**	**NA**	**± 15**
	n=22	*n=9*	*n=31*	*n=41*	*n=38*	*n=39*	*n=113*	*n=44*	*n=12*	*n=27*
Walleye	**83**	**80**	**85**	**48**	**78**	**67**	**80**	**87**	**94**	**71**
	± 10	**NA**	**NA**	**± 16**	**± 11**	**± 10**	**± 8**	**NA**	**NA**	**NA**
	n=35	*n=10*	*n=27*	*n=25*	*n=37*	*n=54*	*n=59*	*n=31*	*n=48*	*n=17*
White bass	**75**	**92**	**16**	**90**	**85**	**46**	**64**	**93**	**90**	**81**
	± 7	**NA**	**± 4**	**± 6**	**± 8**	**± 8**	**± 6**	**± 4**	**± 5**	**± 8**
	n=84	*n=25*	*n=174*	*n=61*	*n=52*	*n=82*	*n=124*	*n=91*	*n=99*	*n=58*
	PSD Night electrofishing									
Common carp	**64**	**87**	**94**	**82**	**89**	**97**	**73**	**81**	**99**	-
	± 5	**± 3**	**NA**	**± 5**	**± 6**	**NA**	**± 5**	**± 7**	**NA**	-
	n=184	*n=197*	*n=66*	*n=125*	*n=72*	*n=107*	*n=145*	*n=80*	*n=96*	-
Freshwater drum	**31**	**61**	**40**	**16**	**46**	**48**	**51**	**35**	**32**	-
	± 5	**± 9**	**± 10**	**± 8**	**± 15**	**± 14**	**± 8**	**± 8**	**± 10**	-
	n=162	*n=66*	*n=55*	*n=50*	*n=28*	*n=31*	*n=91*	*n=72*	*n=53*	-
Sauger	**67**	**61**	**26**	**59**	**56**	**73**	**49**	**81**	**85**	-
	± 9	**NA**	**± 11**	**± 8**	**± 10**	**± 10**	**± 6**	**± 6**	**± 8**	-
	n=121	*n=56*	*n=219*	*n=118*	*n=66*	*n=302*	*n=371*	*n=129*	*n=216*	-
Walleye	**64**	**87**	**25**	**67**	**84**	**70**	**62**	**87**	**74**	-
	± 11	**NA**	**± 5**	**± 9**	**± 5**	**± 8**	**± 8**	**± 8**	**± 6**	-
	n=44	*n=31*	*n=146*	*n=63*	*n=105*	*n=66*	*n=84*	*n=45*	*n=104*	-
White bass	**54**	**78**	**19**	**81**	**55**	**46**	**61**	**87**	**44**	-
	± 10	**± 14**	**± 4**	**± 6**	**± 9**	**± 7**	**± 7**	**± 6**	**± 7**	-
	n=57	*n=23*	*n=180*	*n=88*	*n=71*	*n=115*	*n=103*	*n=69*	*n=115*	-
	PSD All Gears									
Common carp	**88**	**96**	**99**	**94**	**97**	**100**	**90**	**97**	**99**	**99**
	± 1	**± 1**	**± 0**	**± 1**	**± 1**	**NA**	**± 1**	**± 1**	**± 1**	**± 1**
	n=1,177	*n=1,244*	*n=1,327*	*n=1,109*	*n=1,206*	*n=1,043*	*n=1,167*	*n=1,092*	*n=776*	*n=530*
Freshwater drum	**59**	**63**	**60**	**52**	**54**	**63**	**61**	**51**	**64**	**76**
	± 3	**± 3**	**± 2**	**± 3**	**± 3**	**± 3**	**± 2**	**± 3**	**± 3**	**± 4**
	n=635	*n=393*	*n=749*	*n=667*	*n=469*	*n=477*	*n=823*	*n=496*	*n=416*	*n=263*
Sauger	**63**	**62**	**28**	**53**	**45**	**68**	**40**	**64**	**85**	**30**
	± 5	**± 8**	**± 4**	**± 5**	**± 6**	**± 3**	**± 3**	**± 5**	**± 3**	**± 13**
	n=155	*n=73*	*n=271*	*n=182*	*n=133*	*n=374*	*n=523*	*n=214*	*n=367*	*n=33*
Walleye	**73**	**88**	**39**	**59**	**82**	**69**	**72**	**85**	**79**	**74**
	± 7	**± 6**	**± 5**	**± 7**	**± 4**	**± 6**	**± 5**	**± 5**	**± 4**	**NA**
	n=94	*n=64*	*n=192*	*n=107*	*n=163*	*n=131*	*n=163*	*n=100*	*n=167*	*n=19*
White bass	**81**	**95**	**34**	**86**	**79**	**59**	**68**	**87**	**57**	**69**
	± 3	**± 2**	**± 2**	**± 3**	**± 4**	**± 4**	**± 3**	**± 3**	**± 3**	**± 5**
	n=350	*n=220*	*n=741*	*n=256*	*n=238*	*n=345*	*n=391*	*n=234*	*n=412*	*n=168*

Appendix D.8. Annual proportional stock density (PSD) ± 80% confidence interval for common carp, freshwater drum, sauger, walleye and white bass and the total number of fish, stock length and greater (n) collected by day electrofishing, night electrofishing and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 8. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
PSD Day electrofishing										
Common carp	99	100	99	99	100	99	97	100	98	99
	± 1	NA	NA	± 1	NA	± 1	± 1	NA	NA	NA
	n=619	*n=667*	*n=476*	*n=572*	*n=423*	*n=527*	*n=378*	*n=194*	*n=188*	*n=141*
Freshwater drum	88	49	72	69	69	84	39	70	64	79
	NA	± 10	± 12	± 11	± 12	± 10	± 14	± 13	± 9	± 8
	n=25	*n=59*	*n=36*	*n=39*	*n=35*	*n=38*	*n=31*	*n=30*	*n=58*	*n=56*
Sauger	6	20	18	21	12	13	21	14	67	9
	NA	± 9	± 10	± 8	NA	± 5	± 7	± 7	± 17	NA
	n=50	*n=45*	*n=39*	*n=56*	*n=34*	*n=119*	*n=77*	*n=59*	*n=21*	*n=22*
Walleye	33	59	71	86	78	47	47	37	73	47
	NA	± 14	± 15	NA	± 14	± 14	± 21	± 19	NA	± 23
	n=9	*n=32*	*n=24*	*n=35*	*n=23*	*n=30*	*n=17*	*n=19*	*n=15*	*n=15*
White bass	60	71	27	57	83	18	6	90	71	26
	± 22	NA	± 10	± 9	NA	± 8	NA	NA	± 14	± 14
	n=15	*n=7*	*n=45*	*n=67*	*n=6*	*n=51*	*n=36*	*n=20*	*n=28*	*n=27*
PSD Night electrofishing										
Common carp	98	100	95	98	100	94	98	99	99	-
	± 1	NA	± 2	± 1	NA	± 3	NA	NA	NA	-
	n=251	*n=255*	*n=217*	*n=303*	*n=155*	*n=169*	*n=179*	*n=143*	*n=125*	-
Freshwater drum	69	7	17	12	43	34	26	21	23	-
	± 14	± 3	± 3	± 4	± 9	± 8	± 7	± 6	± 8	-
	n=29	*n=176*	*n=239*	*n=153*	*n=70*	*n=80*	*n=82*	*n=104*	*n=60*	-
Sauger	5	23	20	16	18	8	4	11	26	-
	± 3	± 2	± 2	± 3	± 3	± 2	± 1	± 2	± 4	-
	n=259	*n=515*	*n=579*	*n=359*	*n=341*	*n=383*	*n=467*	*n=556*	*n=198*	-
Walleye	47	47	24	51	42	44	21	32	36	-
	± 8	± 5	± 3	± 5	± 7	± 6	± 5	± 5	± 5	-
	n=85	*n=225*	*n=290*	*n=225*	*n=105*	*n=147*	*n=131*	*n=198*	*n=150*	-
White bass	11	26	18	34	37	5	6	54	10	-
	± 4	± 9	± 2	± 4	± 9	± 1	± 2	± 6	± 3	-
	n=149	*n=50*	*n=545*	*n=229*	*n=62*	*n=1,267*	*n=322*	*n=155*	*n=228*	-
PSD All Gears										
Common carp	98	99	97	98	100	97	95	99	98	97
	± 1	± 0	± 1	± 1	NA	± 1	± 1	NA	± 1	± 2
	n=1,063	*n=1,131*	*n=976*	*n=1,106*	*n=766*	*n=875*	*n=709*	*n=468*	*n=428*	*n=265*
Freshwater drum	73	24	23	28	62	62	31	37	52	77
	± 5	± 3	± 2	± 3	± 4	± 4	± 3	± 4	± 5	± 5
	n=157	*n=472*	*n=550*	*n=352*	*n=228*	*n=327*	*n=334*	*n=276*	*n=219*	*n=145*
Sauger	6	23	20	19	19	10	5	11	31	8
	± 2	± 2	± 2	± 2	± 3	± 2	± 1	± 2	± 4	NA
	n=333	*n=588*	*n=684*	*n=464*	*n=395*	*n=603*	*n=597*	*n=660*	*n=234*	*n=38*
Walleye	49	49	30	55	49	41	26	33	41	56
	± 7	± 4	± 3	± 4	± 6	± 5	± 5	± 4	± 5	± 15
	n=112	*n=263*	*n=327*	*n=282*	*n=146*	*n=209*	*n=168*	*n=240*	*n=171*	*n=27*
White bass	22	45	21	43	58	8	14	69	21	37
	± 4	± 7	± 2	± 3	± 7	± 1	± 2	± 4	± 3	± 8
	n=225	*n=95*	*n=771*	*n=522*	*n=105*	*n=1,599*	*n=495*	*n=255*	*n=302*	*n=83*

Appendix D.9. Annual proportional stock density (PSD) ± 80% confidence interval for common carp, freshwater drum, sauger, walleye, and white bass and the total number of fish, stock length and greater (n) collected by day electrofishing, night electrofishing and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 13. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
					PSD Day electrofishing					
Common carp	**98**	**99**	**92**	**93**	**99**	**97**	**97**	**99**	**98**	**97**
	± 1	**± 1**	**± 2**	**± 1**	**NA**	**± 1**	**± 2**	**NA**	**NA**	**± 1**
	n=485	*n=674*	*n=528*	*n=696*	*n=440*	*n=507*	*n=282*	*n=410*	*n=128*	*n=302*
Freshwater drum	**82**	**100**	**44**	**33**	**41**	**85**	**63**	**67**	**79**	**80**
	± 12	**NA**	**NA**	**± 16**	**± 17**	**± 10**	**± 19**	**± 13**	**NA**	**NA**
	n=28	*n=5*	*n=9*	*n=24*	*n=22*	*n=34*	*n=19*	*n=33*	*n=14*	*n=25*
Sauger	**8**	**36**	**6**	**45**	**32**	**20**	**24**	**22**	**50**	**0**
	NA	**NA**	**NA**	**± 19**	**± 18**	**± 8**	**± 11**	**± 11**	**± 24**	**NA**
	n=25	*n=11*	*n=16*	*n=20*	*n=19*	*n=60*	*n=38*	*n=36*	*n=14*	*n=18*
Walleye	**50**	**89**	**0**	**0**	**100**	**54**	**100**	**80**	**100**	**14**
	NA	**NA**	**NA**	**NA**	**NA**	**± 25**	**NA**	**NA**	**NA**	**NA**
	n=4	*n=9*	*n=2*	*n=1*	*n=2*	*n=13*	*n=10*	*n=5*	*n=2*	*n=7*
White bass	**31**	**35**	**16**	**70**	**62**	**62**	**35**	**41**	**22**	**78**
	NA	**± 12**	**NA**	**± 17**	**NA**	**± 15**	**± 20**	**± 15**	**NA**	**± 11**
	n=13	*n=37*	*n=31*	*n=20*	*n=13*	*n=26*	*n=17*	*n=27*	*n=9*	*n=37*
					PSD Night electrofishing					
Common carp	**98**	**98**	**87**	**82**	**96**	**91**	**95**	**97**	**100**	**-**
	NA	**± 1**	**± 4**	**± 3**	**NA**	**± 4**	**± 2**	**NA**	**NA**	**-**
	n=181	*n=259*	*n=175*	*n=253*	*n=77*	*n=117*	*n=195*	*n=113*	*n=39*	*-*
Freshwater drum	**11**	**76**	**16**	**8**	**33**	**20**	**4**	**29**	**31**	**-**
	± 6	**± 16**	**± 5**	**± 4**	**± 8**	**± 10**	**NA**	**± 8**	**± 13**	**-**
	n=73	*n=21*	*n=133*	*n=104*	*n=76*	*n=40*	*n=102*	*n=75*	*n=32*	*-*
Sauger	**11**	**35**	**15**	**30**	**21**	**20**	**15**	**18**	**60**	**-**
	± 4	**± 6**	**± 5**	**± 7**	**± 6**	**± 4**	**± 3**	**± 5**	**± 10**	**-**
	n=126	*n=133*	*n=121*	*n=90*	*n=109*	*n=205*	*n=233*	*n=138*	*n=53*	*-*
Walleye	**9**	**28**	**24**	**40**	**47**	**25**	**24**	**60**	**45**	**-**
	NA	**± 11**	**± 12**	**± 14**	**± 21**	**± 11**	**NA**	**± 18**	**NA**	**-**
	n=43	*n=40*	*n=34*	*n=30*	*n=17*	*n=40*	*n=17*	*n=20*	*n=11*	*-*
White bass	**13**	**11**	**6**	**11**	**18**	**13**	**15**	**31**	**19**	**-**
	± 7	**± 4**	**± 2**	**± 4**	**± 8**	**± 5**	**± 4**	**± 6**	**± 9**	**-**
	n=60	*n=139*	*n=394*	*n=139*	*n=56*	*n=112*	*n=155*	*n=112*	*n=48*	*-*
					PSD All Gears					
Common carp	**98**	**98**	**76**	**88**	**99**	**91**	**93**	**98**	**98**	**87**
	± 1	**± 1**	**± 2**	**± 1**	**± 1**	**± 1**	**± 2**	**± 1**	**NA**	**± 2**
	n=743	*n=1,030*	*n=922*	*n=1,082*	*n=614*	*n=727*	*n=552*	*n=572*	*n=223*	*n=409*
Freshwater drum	**43**	**53**	**27**	**13**	**39**	**55**	**27**	**37**	**59**	**40**
	± 6	**± 6**	**± 3**	**± 2**	**± 4**	**± 6**	**± 4**	**± 5**	**± 7**	**± 5**
	n=156	*n=145*	*n=378*	*n=423*	*n=226*	*n=147*	*n=251*	*n=195*	*n=100*	*n=156*
Sauger	**13**	**36**	**14**	**37**	**26**	**21**	**21**	**25**	**64**	**15**
	± 4	**± 5**	**± 4**	**± 6**	**± 5**	**± 3**	**± 3**	**± 4**	**± 7**	**± 8**
	n=164	*n=158*	*n=149*	*n=138*	*n=149*	*n=284*	*n=308*	*n=217*	*n=94*	*n=48*
Walleye	**13**	**41**	**18**	**44**	**61**	**31**	**53**	**62**	**44**	**29**
	± 7	**± 10**	**± 9**	**± 11**	**± 17**	**± 9**	**± 14**	**± 14**	**± 21**	**NA**
	n=52	*n=54*	*n=45*	*n=48*	*n=23*	*n=55*	*n=32*	*n=29*	*n=16*	*n=14*
White bass	**31**	**24**	**19**	**37**	**43**	**32**	**35**	**43**	**16**	**74**
	± 5	**± 4**	**± 2**	**± 4**	**± 7**	**± 5**	**± 4**	**± 4**	**± 4**	**± 7**
	n=150	*n=233*	*n=756*	*n=248*	*n=114*	*n=201*	*n=336*	*n=244*	*n=186*	*n=85*

Appendix D.10. Annual proportional stock density (PSD) ± 80% confidence interval for common carp, freshwater drum, and white bass and the total number of fish, stock length and greater (n) collected by day electrofishing, night electrofishing and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 26. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Day electrofishing									
Common carp	**79**	**68**	**34**	**47**	**56**	**72**	**77**	**82**	**95**	**93**
	± 5	**± 2**	**± 2**	**± 2**	**± 2**	**± 2**	**± 2**	**± 2**	**± 2**	**± 1**
	n=146	*n=745*	*n=1,130*	*n=1,295*	*n=1,322*	*n=876*	*n=1,119*	*n=586*	*n=393*	*n=684*
Freshwater drum	**53**	**64**	**26**	**49**	**74**	**39**	**49**	**47**	**59**	**55**
	± 19	**± 11**	**± 5**	**± 6**	**± 11**	**± 7**	**± 6**	**± 13**	**± 9**	**± 8**
	n=19	*n=44*	*n=129*	*n=117*	*n=39*	*n=92*	*n=148*	*n=34*	*n=59*	*n=73*
White bass	**0**	**14**	**72**	**68**	**30**	**48**	**64**	**75**	**38**	**37**
	NA	**± 3**	**± 8**	**± 13**	**± 8**	**± 9**	**± 7**	**± 11**	**± 14**	**± 9**
	n=65	*n=218*	*n=76*	*n=31*	*n=71*	*n=73*	*n=87*	*n=36*	*n=29*	*n=60*
	PSD Night electrofishing									
Common carp	**-**	**53**	**27**	**69**	**80**	**91**	**90**	**97**	**98**	**-**
	-	**± 7**	**± 4**	**± 4**	**± 4**	**± 4**	**± 3**	**NA**	**NA**	**-**
	-	*n=107*	*n=220*	*n=219*	*n=208*	*n=115*	*n=170*	*n=130*	*n=87*	*-*
Freshwater drum	**-**	**19**	**15**	**25**	**42**	**50**	**19**	**0**	**26**	**-**
	-	**± 6**	**± 7**	**NA**	**± 16**	**NA**	**NA**	**NA**	**NA**	**-**
	-	*n=91*	*n=60*	*n=12*	*n=24*	*n=10*	*n=26*	*n=7*	*n=35*	*-*
White bass	**-**	**32**	**70**	**70**	**53**	**28**	**39**	**37**	**39**	**-**
	-	**± 4**	**± 5**	**± 9**	**± 6**	**± 9**	**± 7**	**± 12**	**± 9**	**-**
	-	*n=275*	*n=144*	*n=56*	*n=120*	*n=53*	*n=105*	*n=41*	*n=62*	*-*
	PSD All Gears									
Common carp	**80**	**23**	**33**	**48**	**58**	**75**	**79**	**85**	**94**	**90**
	± 5	**± 1**	**± 1**	**± 1**	**± 1**	**± 2**	**± 1**	**± 2**	**± 2**	**± 1**
	n=157	*n=3,436*	*n=2,103*	*n=2,112*	*n=1,869*	*n=1,149*	*n=1,393*	*n=911*	*n=475*	*n=831*
Freshwater drum	**43**	**35**	**20**	**38**	**51**	**48**	**42**	**35**	**41**	**43**
	± 11	**± 4**	**± 3**	**± 4**	**± 5**	**± 5**	**± 4**	**± 5**	**± 4**	**± 5**
	n=44	*n=268*	*n=332*	*n=224*	*n=162*	*n=201*	*n=244*	*n=159*	*n=244*	*n=217*
White bass	**8**	**22**	**62**	**69**	**44**	**41**	**54**	**52**	**46**	**28**
	± 4	**± 2**	**± 4**	**± 5**	**± 4**	**± 4**	**± 4**	**± 5**	**± 7**	**± 6**
	n=133	*n=730*	*n=327*	*n=155*	*n=313*	*n=227*	*n=255*	*n=176*	*n=116*	*n=130*

Appendix D.11. Annual proportional stock density (PSD) ± 80% confidence interval for common carp, freshwater drum, and white bass and the total number of fish, stock length and greater (n) collected by day electrofishing, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in the Open River. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Day electrofishing									
Common carp	**69**	**59**	**39**	**56**	**65**	**77**	**93**	**85**	**95**	**92**
	± 14	**± 5**	**± 4**	**± 3**	**± 4**	**± 6**	**± 3**	**± 4**	**± 2**	**± 2**
	n=29	*n=171*	*n=355*	*n=403*	*n=325*	*n=95*	*n=207*	*n=193*	*n=203*	*n=250*
Freshwater drum	**100**	**52**	**39**	**34**	**48**	**23**	**48**	**53**	**44**	**77**
	NA	**± 15**	**± 9**	**± 7**	**± 9**	**± 9**	**± 8**	**± 12**	**± 11**	**± 14**
	n=1	*n=27*	*n=62*	*n=96*	*n=64*	*n=48*	*n=88*	*n=38*	*n=45*	*n=26*
White bass	**1**	**42**	**58**	**53**	**74**	**57**	**65**	**37**	**80**	**76**
	NA	**± 8**	**± 9**	**± 8**	**± 9**	**± 15**	**± 20**	**± 14**	**NA**	**± 12**
	n=74	*n=72*	*n=62*	*n=90*	*n=53*	*n=28*	*n=17*	*n=30*	*n=15*	*n=34*
	PSD All Gears									
Common carp	**49**	**24**	**46**	**72**	**72**	**89**	**96**	**86**	**96**	**93**
	± 10	**± 1**	**± 2**	**± 2**	**± 2**	**± 2**	**± 1**	**± 2**	**± 1**	**± 2**
	n=57	*n=1,461*	*n=859*	*n=949*	*n=776*	*n=566*	*n=587*	*n=524*	*n=479*	*n=522*
Freshwater drum	**59**	**43**	**47**	**37**	**58**	**66**	**64**	**65**	**55**	**57**
	± 7	**± 6**	**± 3**	**± 4**	**± 6**	**± 4**	**± 5**	**± 6**	**± 6**	**± 8**
	n=96	*n=121*	*n=402*	*n=229*	*n=143*	*n=305*	*n=191*	*n=144*	*n=123*	*n=89*
White bass	**10**	**31**	**66**	**61**	**71**	**62**	**71**	**52**	**88**	**76**
	± 2	**± 4**	**± 6**	**± 6**	**± 5**	**± 8**	**± 12**	**± 9**	**± 8**	**± 10**
	n=336	*n=225*	*n=121*	*n=134*	*n=136*	*n=74*	*n=34*	*n=64*	*n=43*	*n=41*

Appendix D.12. Annual proportional stock density (PSD) ± 80% confidence interval for common carp, freshwater drum, sauger, and white bass and the total number of fish, stock length and greater (n) collected by day electrofishing, night electrofishing and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in the La Grange Pool, Illinois River. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
PSD Day electrofishing										
Common carp	51	24	32	40	44	61	61	60	67	74
	± 4	± 1	± 1	± 1	± 1	± 2	± 2	± 2	± 2	± 1
	n=274	*n=2,437*	*n=2,983*	*n=1,852*	*n=2,524*	*n=1,518*	*n=1,163*	*n=1,802*	*n=1,610*	*n=1,523*
Freshwater drum	24	53	29	47	26	52	47	37	48	59
	± 10	± 12	± 4	± 5	± 4	± 4	± 4	± 5	± 7	± 6
	n=46	*n=40*	*n=228*	*n=168*	*n=256*	*n=245*	*n=236*	*n=197*	*n=100*	*n=115*
Sauger	0	2	55	31	13	43	47	41	25	67
	NA	NA	± 19	± 14	NA	± 9	± 13	± 20	NA	NA
	n=5	*n=45*	*n=20*	*n=29*	*n=32*	*n=63*	*n=36*	*n=17*	*n=4*	*n=15*
White bass	22	19	66	48	73	42	86	61	78	50
	± 8	± 2	± 3	± 3	± 3	± 2	± 2	± 2	± 4	± 3
	n=58	*n=997*	*n=591*	*n=563*	*n=531*	*n=947*	*n=763*	*n=733*	*n=255*	*n=413*
PSD Night electrofishing										
Common carp	60	31	27	34	46	58	53	57	53	-
	± 6	± 1	± 2	± 3	± 4	± 4	± 7	± 5	± 6	-
	n=141	*n=2,445*	*n=701*	*n=440*	*n=282*	*n=244*	*n=103*	*n=192*	*n=131*	-
Freshwater drum	12	34	25	28	64	48	25	23	39	-
	± 3	± 6	± 7	± 9	± 16	± 6	NA	± 9	± 13	-
	n=241	*n=132*	*n=80*	*n=54*	*n=25*	*n=118*	*n=16*	*n=53*	*n=36*	-
Sauger	8	7	86	53	82	37	88	78	38	-
	NA	± 3	NA	± 21	± 8	± 9	NA	± 9	NA	-
	n=25	*n=136*	*n=29*	*n=17*	*n=56*	*n=57*	*n=8*	*n=54*	*n=8*	-
White bass	15	22	85	74	84	77	91	74	92	-
	± 8	± 2	± 2	± 4	± 2	± 2	± 2	± 3	± 2	-
	n=47	*n=646*	*n=617*	*n=270*	*n=487*	*n=618*	*n=470*	*n=434*	*n=264*	-
PSD All Gears										
Common carp	61	29	40	51	60	72	70	68	73	79
	± 2	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1
	n=1,167	*n=7,953*	*n=5,800*	*n=3,447*	*n=5,117*	*n=2,868*	*n=2,495*	*n=2,884*	*n=3,048*	*n=2,436*
Freshwater drum	22	31	24	46	37	45	49	40	37	53
	± 3	± 3	± 2	± 3	± 3	± 2	± 3	± 3	± 3	± 4
	n=498	*n=432*	*n=872*	*n=515*	*n=569*	*n=720*	*n=602*	*n=625*	*n=354*	*n=331*
Sauger	8	6	66	38	45	31	60	65	20	63
	NA	± 2	± 8	± 8	± 6	± 5	± 9	± 8	NA	± 21
	n=48	*n=246*	*n=79*	*n=76*	*n=121*	*n=194*	*n=62*	*n=77*	*n=20*	*n=16*
White bass	15	16	51	50	63	28	77	57	73	27
	± 2	± 1	± 1	± 2	± 2	± 1	± 1	± 2	± 2	± 2
	n=488	*n=2,947*	*n=2,171*	*n=1,375*	*n=1,697*	*n=3,843*	*n=1,828*	*n=1,603*	*n=749*	*n=1,051*

Appendix D.13. Annual proportional stock density (PSD) ± 80% confidence interval for channel catfish, flathead catfish, and smallmouth buffalo and the total number of fish stock length and greater (n) collected by large hoop netting, small hoop netting and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 4. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Large hoop netting									
Channel catfish	**81**	**70**	**76**	**63**	**80**	**90**	**89**	**89**	**61**	**95**
	± 6	**± 10**	**± 10**	**± 9**	**± 6**	**NA**	**NA**	**NA**	**± 8**	**NA**
	n=91	*n=47*	*n=45*	*n=59*	*n=92*	*n=39*	*n=45*	*n=37*	*n=75*	*n=81*
Flathead catfish	**100**	**94**	**71**	**90**	**95**	**75**	**92**	**86**	**67**	**91**
	NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=8	*n=17*	*n=7*	*n=21*	*n=19*	*n=4*	*n=13*	*n=21*	*n=12*	*n=11*
Smallmouth buffalo	**95**	**100**	**98**	**85**	**95**	**94**	**99**	**99**	**99**	**100**
	NA	**NA**	**NA**	**± 4**	**NA**	**± 3**	**NA**	**NA**	**NA**	**NA**
	n=66	*n=62*	*n=107*	*n=132*	*n=85*	*n=133*	*n=154*	*n=125*	*n=195*	*n=124*
	PSD Small hoop netting									
Channel catfish	**30**	**70**	**42**	**20**	**70**	**78**	**60**	**53**	**52**	**35**
	± 13	**± 14**	**± 12**	**± 6**	**± 6**	**± 8**	**± 10**	**± 23**	**± 18**	**± 18**
	n=30	*n=27*	*n=38*	*n=86*	*n=122*	*n=60*	*n=52*	*n=15*	*n=21*	*n=20*
	PSD All Gears									
Channel catfish	**73**	**79**	**72**	**51**	**77**	**81**	**80**	**76**	**63**	**84**
	± 5	**± 5**	**± 5**	**± 5**	**± 4**	**± 5**	**± 5**	**± 7**	**± 6**	**± 5**
	n=177	*n=134*	*n=141*	*n=194*	*n=255*	*n=132*	*n=149*	*n=74*	*n=112*	*n=115*
Flathead catfish	**75**	**71**	**67**	**61**	**76**	**54**	**62**	**79**	**49**	**67**
	NA	**± 12**	**± 13**	**± 12**	**± 11**	**± 15**	**± 12**	**± 13**	**± 13**	**± 16**
	n=20	*n=35*	*n=33*	*n=41*	*n=38*	*n=28*	*n=37*	*n=28*	*n=35*	*n=24*
Smallmouth buffalo	**94**	**99**	**96**	**79**	**89**	**96**	**98**	**95**	**98**	**100**
	± 3	**NA**	**± 2**	**± 4**	**± 3**	**± 2**	**NA**	**± 2**	**± 1**	**NA**
	n=154	*n=112*	*n=167*	*n=205*	*n=169*	*n=211*	*n=227*	*n=211*	*n=263*	*n=163*

Appendix D.14. Annual proportional stock density (PSD) ± 80% confidence interval for channel catfish, flathead catfish, and smallmouth buffalo and the total number of fish, stock length and greater (n) collected by large hoop netting, small hoop netting and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 8. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Large hoop netting									
Channel catfish	**80**	**63**	**50**	**31**	**64**	**69**	**55**	**59**	**76**	**85**
	± 8	**± 6**	**± 6**	**± 4**	**± 3**	**± 5**	**± 6**	**± 6**	**± 5**	**± 4**
	n=64	*n=123*	*n=119*	*n=241*	*n=349*	*n=178*	*n=155*	*n=128*	*n=152*	*n=145*
Flathead catfish	**65**	**50**	**58**	**64**	**87**	**66**	**79**	**63**	**71**	**77**
	± 20	**NA**	**± 16**	**NA**	**NA**	**± 11**	**NA**	**± 21**	**NA**	**± 12**
	n=17	*n=6*	*n=24*	*n=11*	*n=15*	*n=41*	*n=19*	*n=16*	*n=7*	*n=31*
Smallmouth buffalo	**87**	**95**	**66**	**36**	**44**	**90**	**97**	**97**	**100**	**100**
	± 6	**NA**	**± 7**	**± 4**	**± 3**	**± 6**	**NA**	**NA**	**NA**	**NA**
	n=70	*n=38*	*n=92*	*n=264*	*n=406*	*n=63*	*n=66*	*n=37*	*n=29*	*n=5*
	PSD Small hoop netting									
Channel catfish	**33**	**10**	**10**	**11**	**51**	**29**	**39**	**26**	**59**	**51**
	± 11	**± 3**	**± 3**	**± 3**	**± 4**	**± 4**	**± 6**	**± 6**	**± 12**	**± 9**
	n=40	*n=236*	*n=248*	*n=262*	*n=240*	*n=250*	*n=132*	*n=121*	*n=41*	*n=73*
	PSD All Gears									
Channel catfish	**63**	**35**	**28**	**26**	**60**	**50**	**53**	**46**	**75**	**75**
	± 5	**± 3**	**± 3**	**± 2**	**± 3**	**± 3**	**± 4**	**± 4**	**± 4**	**± 4**
	n=164	*n=431*	*n=429*	*n=620*	*n=638*	*n=488*	*n=335*	*n=279*	*n=224*	*n=236*
Flathead catfish	**60**	**33**	**50**	**31**	**49**	**53**	**61**	**43**	**42**	**72**
	± 11	**± 12**	**± 10**	**± 9**	**± 9**	**± 7**	**± 10**	**± 10**	**± 9**	**± 9**
	n=47	*n=36*	*n=58*	*n=54*	*n=63*	*n=97*	*n=57*	*n=53*	*n=67*	*n=54*
Smallmouth buffalo	**85**	**85**	**58**	**33**	**44**	**90**	**91**	**91**	**100**	**100**
	± 6	**± 8**	**± 6**	**± 4**	**± 3**	**± 5**	**± 5**	**NA**	**NA**	**NA**
	n=79	*n=52*	*n=116*	*n=324*	*n=443*	*n=82*	*n=76*	*n=47*	*n=33*	*n=8*

Appendix D.15. Annual proportional stock density (PSD) ± 80% confidence interval for channel catfish, flathead catfish, and smallmouth buffalo and the total number of fish, stock length and greater (n) collected by large hoop netting, small hoop netting and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 13. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Large hoop netting									
Channel catfish	**64**	**71**	**47**	**13**	**9**	**43**	**0**	**33**	**53**	**29**
	NA	**NA**	**± 21**	**NA**	**NA**	**± 23**	**NA**	**NA**	**± 19**	**± 15**
	n=11	*n=7*	*n=17*	*n=32*	*n=22*	*n=14*	*n=8*	*n=15*	*n=19*	*n=24*
Flathead catfish	**0**	**10**	**0**	**0**	**38**	**0**	**0**	**17**	**13**	**21**
	NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=5	*n=10*	*n=18*	*n=5*	*n=8*	*n=4*	*n=0*	*n=6*	*n=8*	*n=19*
Smallmouth buffalo	**71**	**37**	**25**	**6**	**14**	**29**	**40**	**36**	**35**	**39**
	NA	**± 5**	**± 4**	**± 2**	**± 2**	**± 4**	**± 4**	**± 4**	**± 5**	**± 10**
	n=7	*n=199*	*n=207*	*n=223*	*n=594*	*n=296*	*n=289*	*n=220*	*n=164*	*n=56*
	PSD Small hoop netting									
Channel catfish	**50**	**10**	**0**	**14**	**10**	**5**	**7**	**9**	**1**	**5**
	NA	**NA**	**NA**	**NA**	**± 5**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=6	*n=10*	*n=43*	*n=29*	*n=80*	*n=40*	*n=14*	*n=46*	*n=88*	*n=62*
	PSD All Gears									
Channel catfish	**69**	**61**	**26**	**35**	**24**	**34**	**42**	**34**	**24**	**27**
	± 11	**± 9**	**± 7**	**± 6**	**± 5**	**± 6**	**± 11**	**± 6**	**± 5**	**± 6**
	n=39	*n=64*	*n=77*	*n=110*	*n=143*	*n=111*	*n=50*	*n=120*	*n=138*	*n=107*
Flathead catfish	**0**	**5**	**4**	**19**	**33**	**6**	**45**	**24**	**15**	**24**
	NA	**NA**	**NA**	**NA**	**± 17**	**NA**	**NA**	**± 14**	**NA**	**± 11**
	n=11	*n=20*	*n=28*	*n=21*	*n=21*	*n=18*	*n=11*	*n=25*	*n=26*	*n=38*
Smallmouth buffalo	**67**	**37**	**26**	**6**	**14**	**26**	**39**	**31**	**33**	**34**
	± 16	**± 4**	**± 4**	**± 2**	**± 2**	**± 3**	**± 4**	**± 4**	**± 5**	**± 8**
	n=24	*n=227*	*n=251*	*n=272*	*n=689*	*n=357*	*n=330*	*n=270*	*n=190*	*n=79*

Appendix D.16. Annual proportional stock density (PSD) ± 80% confidence interval for channel catfish, flathead catfish, and smallmouth buffalo and the total number of fish, stock length and greater (n) collected by large hoop netting, small hoop netting and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 26. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Large hoop netting									
Channel catfish	**42**	**51**	**34**	**32**	**24**	**31**	**43**	**20**	**42**	**22**
	± 16	**± 8**	**± 14**	**± 15**	**± 6**	**± 9**	**± 23**	**± 8**	**± 7**	**± 5**
	n=26	*n=78*	*n=29*	*n=25*	*n=120*	*n=55*	*n=14*	*n=59*	*n=99*	*n=123*
Flathead catfish	**17**	**4**	**29**	**60**	**43**	**54**	**40**	**60**	**42**	**24**
	NA	**NA**	**NA**	**NA**	**NA**	**± 25**	**NA**	**NA**	**± 26**	**± 16**
	n=6	*n=26*	*n=14*	*n=5*	*n=7*	*n=13*	*n=5*	*n=5*	*n=12*	*n=21*
Smallmouth buffalo	**49**	**70**	**30**	**15**	**19**	**17**	**37**	**34**	**53**	**64**
	± 6	**± 7**	**± 4**	**± 2**	**± 2**	**± 3**	**± 4**	**± 3**	**± 5**	**± 4**
	n=152	*n=92*	*n=266*	*n=657*	*n=540*	*n=276*	*n=255*	*n=433*	*n=220*	*n=224*
	PSD Small hoop netting									
Channel catfish	**4**	**5**	**14**	**7**	**7**	**3**	**17**	**7**	**4**	**9**
	NA	**± 3**	**± 6**	**NA**	**± 3**	**NA**	**± 10**	**NA**	**± 2**	**± 4**
	n=67	*n=146*	*n=71*	*n=71*	*n=148*	*n=112*	*n=36*	*n=69*	*n=185*	*n=127*
	PSD All Gears									
Channel catfish	**25**	**42**	**41**	**39**	**26**	**21**	**35**	**34**	**28**	**25**
	± 6	**± 4**	**± 4**	**± 4**	**± 3**	**± 3**	**± 5**	**± 4**	**± 3**	**± 3**
	n=110	*n=361*	*n=228*	*n=242*	*n=426*	*n=276*	*n=186*	*n=212*	*n=360*	*n=338*
Flathead catfish	**18**	**13**	**15**	**17**	**37**	**40**	**28**	**35**	**23**	**16**
	NA	**± 6**	**± 7**	**NA**	**± 14**	**± 13**	**± 13**	**± 20**	**± 11**	**± 7**
	n=11	*n=64*	*n=59*	*n=29*	*n=30*	*n=35*	*n=32*	*n=17*	*n=35*	*n=57*
Smallmouth buffalo	**48**	**56**	**21**	**12**	**14**	**15**	**26**	**33**	**50**	**57**
	± 5	**± 6**	**± 3**	**± 2**	**± 2**	**± 2**	**± 3**	**± 3**	**± 4**	**± 4**
	n=162	*n=124*	*n=406*	*n=844*	*n=772*	*n=457*	*n=424*	*n=503*	*n=289*	*n=267*

Appendix D.17. Annual proportional stock density (PSD) ± 80% confidence interval for channel catfish, flathead catfish, and smallmouth buffalo and the total number of fish, stock length and greater (n) collected by large hoop netting, small hoop netting and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in the Open River. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Large hoop netting									
Channel catfish	**63**	**71**	**60**	**71**	**62**	**73**	**81**	**86**	**53**	**63**
	NA	**± 4**	**± 14**	**± 8**	**± 6**	**± 8**	**± 6**	**± 4**	**± 7**	**± 8**
	n=8	*n=262*	*n=30*	*n=65*	*n=127*	*n=73*	*n=90*	*n=126*	*n=99*	*n=83*
Flathead catfish	**17**	**23**	**34**	**24**	**28**	**29**	**29**	**33**	**20**	**47**
	NA	**± 9**	**± 10**	**± 14**	**± 18**	**± 15**	**NA**	**± 19**	**NA**	**± 23**
	n=6	*n=52*	*n=50*	*n=25*	*n=18*	*n=24*	*n=17*	*n=18*	*n=10*	*n=15*
Smallmouth buffalo	**96**	**87**	**59**	**20**	**32**	**41**	**63**	**73**	**86**	**85**
	NA	**± 7**	**± 8**	**± 4**	**± 4**	**± 4**	**± 5**	**± 5**	**± 5**	**± 5**
	n=24	*n=61*	*n=73*	*n=220*	*n=246*	*n=335*	*n=178*	*n=145*	*n=115*	*n=128*
	PSD Small hoop netting									
Channel catfish	**13**	**29**	**48**	**33**	**20**	**37**	**54**	**23**	**26**	**18**
	NA	**± 5**	**± 11**	**± 7**	**± 3**	**± 14**	**± 15**	**± 7**	**± 8**	**± 4**
	n=23	*n=169*	*n=46*	*n=99*	*n=293*	*n=30*	*n=28*	*n=77*	*n=62*	*n=154*
	PSD All Gears									
Channel catfish	**40**	**58**	**65**	**56**	**41**	**71**	**77**	**67**	**48**	**42**
	± 12	**± 3**	**± 6**	**± 4**	**± 3**	**± 5**	**± 4**	**± 4**	**± 5**	**± 4**
	n=42	*n=476*	*n=132*	*n=280*	*n=531*	*n=156*	*n=173*	*n=268*	*n=220*	*n=287*
Flathead catfish	**8**	**18**	**26**	**15**	**15**	**29**	**26**	**36**	**29**	**33**
	NA	**± 5**	**± 6**	**± 7**	**± 8**	**± 10**	**± 10**	**± 12**	**± 14**	**± 12**
	n=13	*n=130*	*n=106*	*n=59*	*n=53*	*n=49*	*n=43*	*n=36*	*n=28*	*n=36*
Smallmouth buffalo	**97**	**85**	**40**	**13**	**25**	**38**	**54**	**63**	**81**	**79**
	NA	**± 6**	**± 6**	**± 3**	**± 3**	**± 3**	**± 4**	**± 5**	**± 5**	**± 5**
	n=30	*n=71*	*n=132*	*n=323*	*n=328*	*n=380*	*n=233*	*n=189*	*n=136*	*n=160*

Appendix D.18. Annual proportional stock density (PSD) ± 80% confidence interval for channel catfish, flathead catfish, and smallmouth buffalo and the total number of fish, stock length and greater (n) collected by large hoop netting, small hoop netting and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in the La Grange pool of the Illinois River. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Large hoop netting									
Channel catfish	**48**	**28**	**46**	**46**	**48**	**63**	**43**	**58**	**49**	**63**
	± 9	**± 6**	**± 8**	**± 10**	**± 9**	**± 8**	**± 11**	**± 10**	**± 8**	**± 5**
	n=63	*n=111*	*n=81*	*n=56*	*n=64*	*n=78*	*n=46*	*n=55*	*n=75*	*n=160*
Flathead catfish	**80**	**0**	**38**	**64**	**25**	**67**	**57**	**69**	**28**	**68**
	NA	**NA**	**± 21**	**NA**	**NA**	**NA**	**± 23**	**NA**	**± 18**	**± 18**
	n=5	*n=3*	*n=16*	*n=11*	*n=12*	*n=9*	*n=14*	*n=16*	*n=18*	*n=19*
Smallmouth buffalo	**14**	**9**	**26**	**18**	**19**	**24**	**23**	**35**	**29**	**47**
	± 3	**± 4**	**± 3**	**± 3**	**± 3**	**± 2**	**± 3**	**± 2**	**± 2**	**± 3**
	n=263	*n=137*	*n=521*	*n=302*	*n=346*	*n=648*	*n=375*	*n=717*	*n=818*	*n=670*
	PSD Small hoop netting									
Channel catfish	**37**	**3**	**11**	**34**	**12**	**8**	**9**	**12**	**5**	**24**
	± 11	**NA**	**± 6**	**± 12**	**NA**	**± 5**	**NA**	**NA**	**NA**	**± 8**
	n=43	*n=93*	*n=63*	*n=38*	*n=17*	*n=64*	*n=44*	*n=33*	*n=41*	*n=62*
	PSD All Gears									
Channel catfish	**46**	**25**	**43**	**44**	**38**	**35**	**34**	**51**	**45**	**54**
	± 6	**± 3**	**± 4**	**± 4**	**± 4**	**± 4**	**± 4**	**± 4**	**± 4**	**± 3**
	n=140	*n=376*	*n=254*	*n=231*	*n=339*	*n=304*	*n=262*	*n=314*	*n=362*	*n=400*
Flathead catfish	**60**	**41**	**56**	**47**	**50**	**40**	**50**	**49**	**43**	**55**
	± 22	**± 15**	**± 10**	**± 12**	**± 14**	**± 14**	**± 14**	**± 10**	**± 10**	**± 11**
	n=15	*n=29*	*n=55*	*n=38*	*n=32*	*n=30*	*n=32*	*n=59*	*n=54*	*n=47*
Smallmouth buffalo	**12**	**7**	**18**	**7**	**11**	**14**	**12**	**21**	**21**	**39**
	± 2	**± 2**	**± 2**	**± 1**	**± 2**	**± 1**	**± 1**	**± 1**	**± 1**	**± 2**
	n=385	*n=323*	*n=794*	*n=857*	*n=705*	*n=1,254*	*n=1,013*	*n=1,378*	*n=1,314*	*n=978*

Appendix D.19. Annual proportional stock density (PSD) ± 80% confidence interval for northern pike and total number of fish stock length and greater (n) collected by day electrogishing, fyke netting, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 4. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Day electrofishing									
Northern pike	**44**	**9**	**55**	**50**	**38**	**39**	**52**	**27**	**89**	**16**
	NA	**NA**	**NA**	**NA**	**± 21**	**± 17**	**± 17**	**NA**	**NA**	**NA**
	n=9	*n=11*	*n=11*	*n=10*	*n=16*	*n=23*	*n=23*	*n=15*	*n=9*	*n=25*
	PSD Fyke nets									
Northern pike	**82**	**81**	**64**	**60**	**100**	**85**	**45**	**64**	**71**	**43**
	NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=11	*n=26*	*n=11*	*n=5*	*n=10*	*n=13*	*n=11*	*n=11*	*n=7*	*n=7*
	PSD All Gears									
Northern pike	**72**	**71**	**59**	**65**	**72**	**68**	**70**	**53**	**72**	**32**
	± 9	**± 8**	**± 9**	**± 10**	**± 9**	**± 8**	**± 7**	**± 11**	**± 11**	**± 12**
	n=54	*n=65*	*n=63*	*n=55*	*n=53*	*n=68*	*n=84*	*n=49*	*n=43*	*n=38*

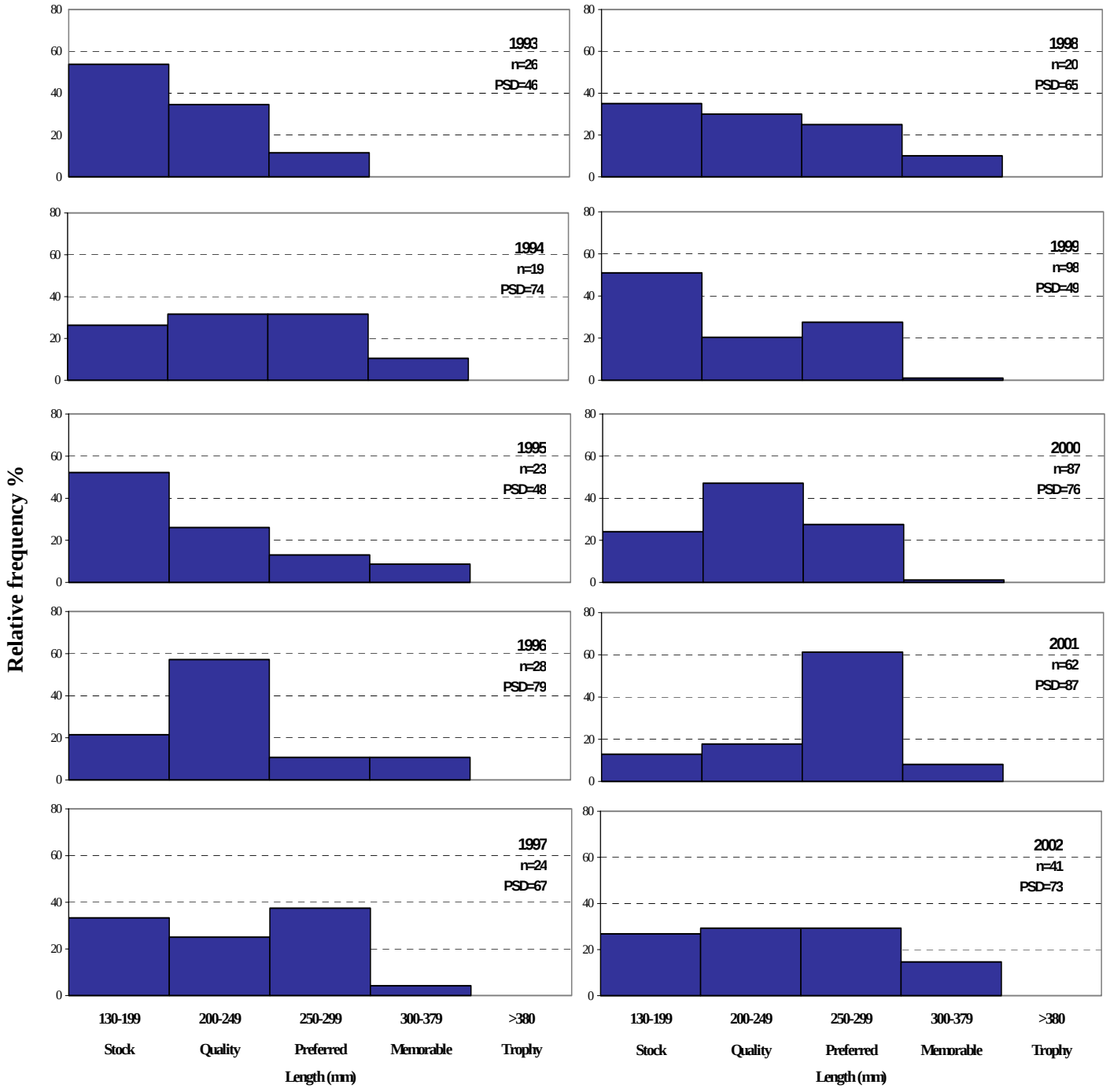
Appendix D.20. Annual proportional stock density (PSD) ± 80% confidence interval for northern pike and total number of fish stock length and greater (n) collected by electrofishing, fyke netting, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 8. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Day electrofishing									
Northern pike	**33**	**63**	**75**	**79**	**59**	**55**	**36**	**50**	**63**	**46**
	NA	**NA**	**± 15**	**NA**	**± 20**	**± 15**	**± 16**	**NA**	**± 21**	**± 16**
	n=6	*n=8*	*n=24*	*n=19*	*n=17*	*n=29*	*n=25*	*n=10*	*n=16*	*n=24*
	PSD Fyke nets									
Northern pike	**92**	**96**	**70**	**87**	**79**	**64**	**62**	**86**	**97**	**66**
	NA	**NA**	**± 11**	**NA**	**± 14**	**± 11**	**± 10**	**NA**	**NA**	**± 9**
	n=13	*n=26*	*n=43*	*n=31*	*n=24*	*n=47*	*n=53*	*n=35*	*n=36*	*n=56*
	PSD All Gears									
Northern pike	**77**	**78**	**73**	**89**	**77**	**63**	**56**	**68**	**81**	**61**
	± 11	**± 7**	**± 6**	**± 4**	**± 6**	**± 7**	**± 5**	**± 7**	**± 6**	**± 8**
	n=39	*n=77*	*n=106*	*n=140*	*n=79*	*n=123*	*n=158*	*n=103*	*n=105*	*n=82*

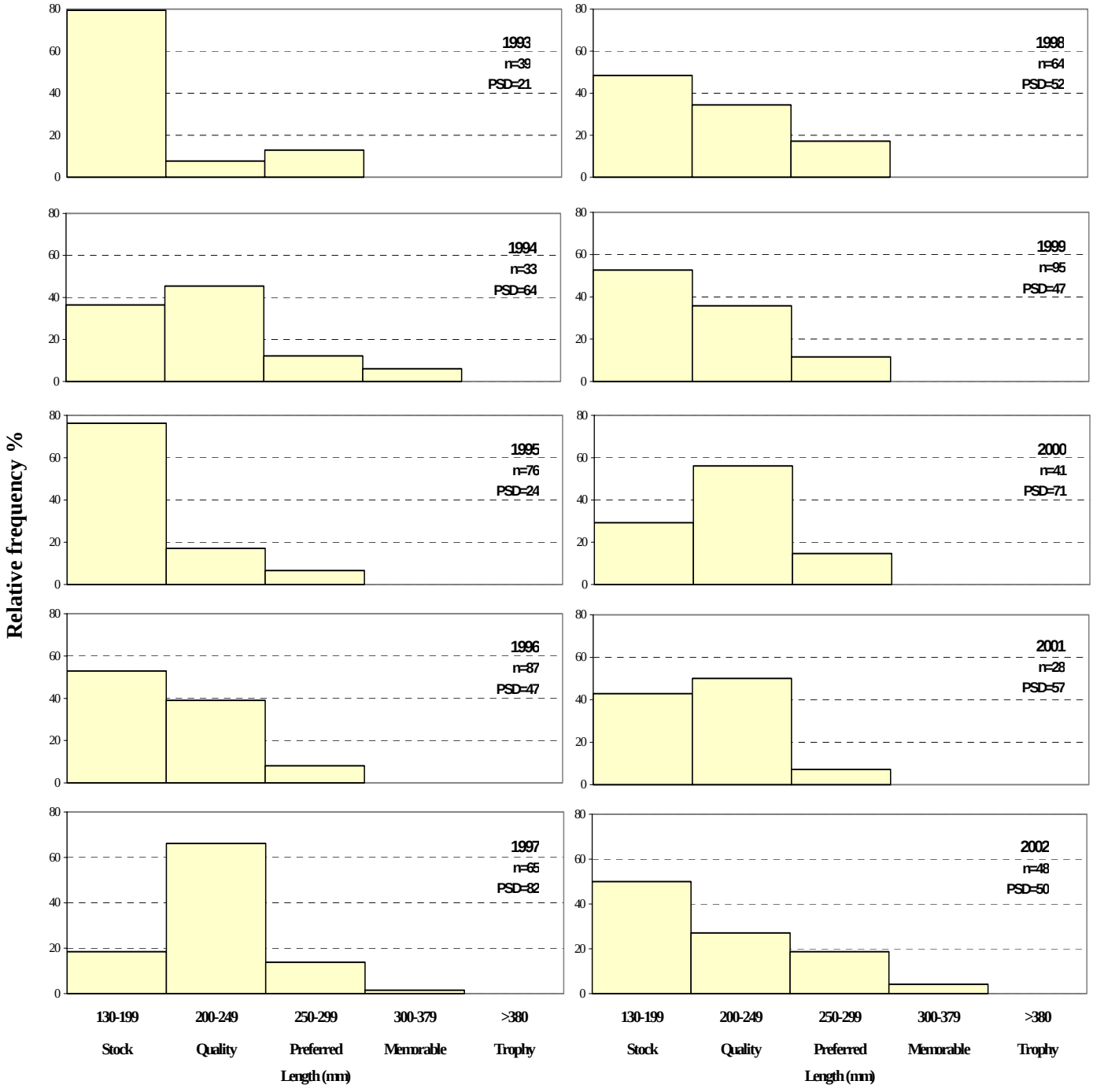
Appendix D.21. Annual proportional stock density (PSD) ± 80% confidence interval for northern pike and total number of fish stock length and greater (n) collected by electrofishing, fyke netting, and all gear types combined from the Long Term Resource Monitoring Program, 1993–2002, in Pool 13. "NA" means sample size was too small to calculate a confidence interval.

Year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
	PSD Day electrofishing									
Northern pike	**0**	**100**	**0**	**100**	**88**	**50**	**100**	**57**	**0**	**50**
	NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	n=0	*n=1*	*n=1*	*n=2*	*n=8*	*n=4*	*n=3*	*n=7*	*n=1*	*n=4*
	PSD Fyke nets									
Northern pike	**93**	**86**	**78**	**75**	**85**	**71**	**100**	**79**	**83**	**53**
	NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**± 13**
	n=15	*n=7*	*n=18*	*n=16*	*n=20*	*n=7*	*n=4*	*n=19*	*n=12*	*n=36*
	PSD All Gears									
Northern pike	**94**	**89**	**77**	**88**	**84**	**55**	**80**	**78**	**75**	**51**
	NA	**NA**	**± 12**	**NA**	**± 9**	**± 19**	**NA**	**± 10**	**NA**	**± 12**
	n=18	*n=19*	*n=30*	*n=33*	*n=43*	*n=20*	*n=15*	*n=40*	*n=20*	*n=41*

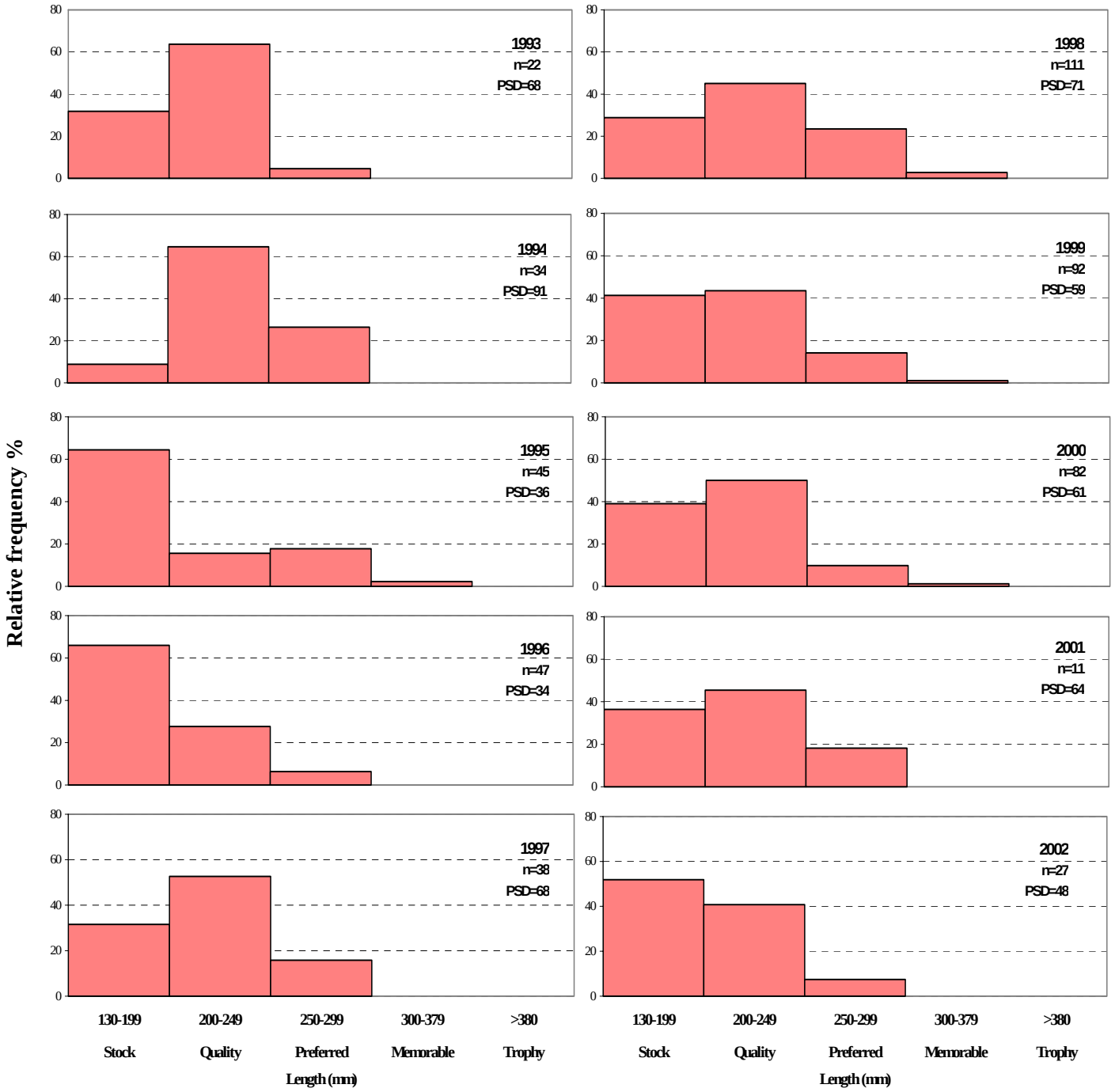
Appendix E.1. Relative frequency histograms of black crappie captured by day electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



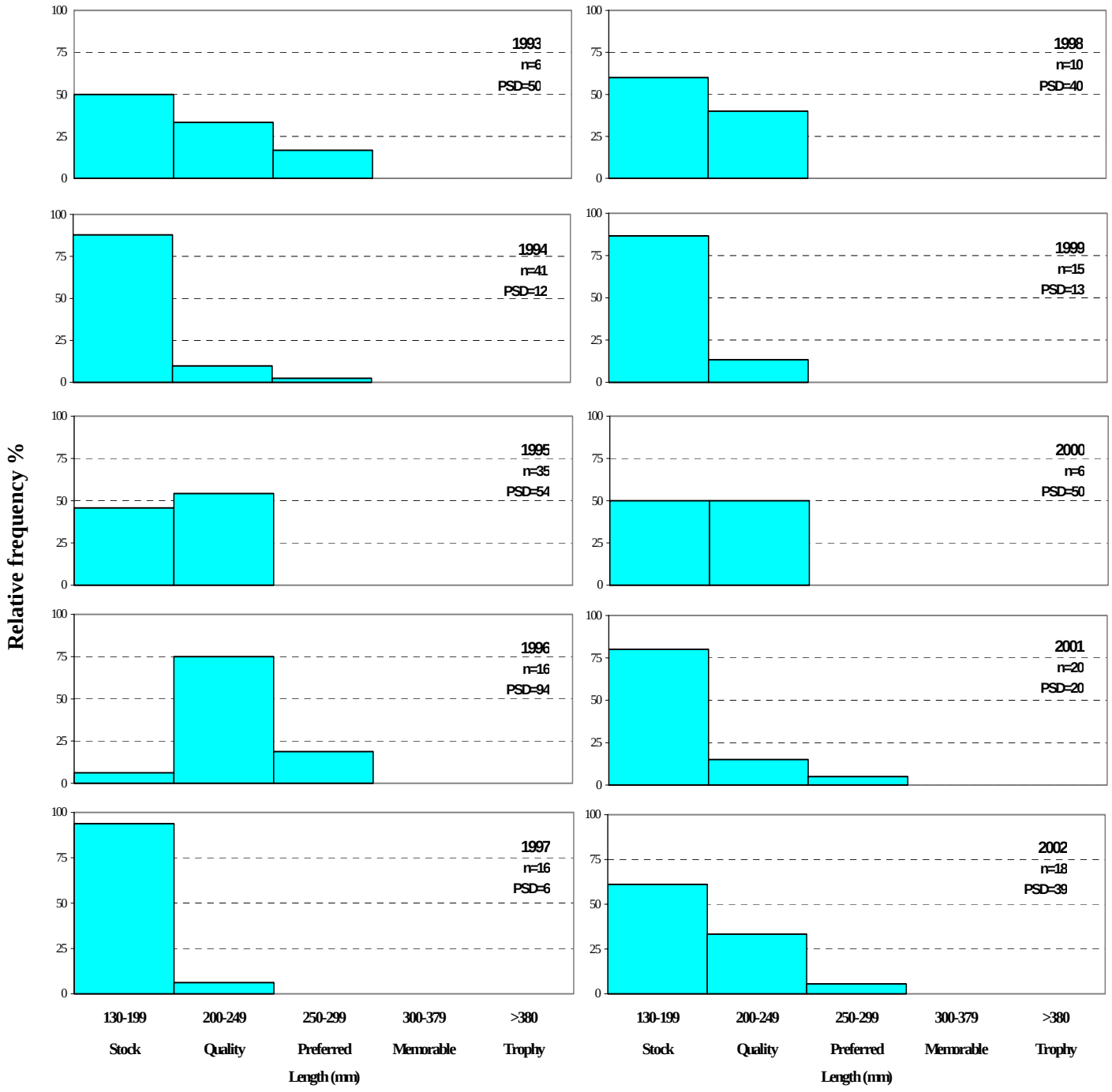
Appendix E.2. Relative frequency histograms of black crappie captured by day electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



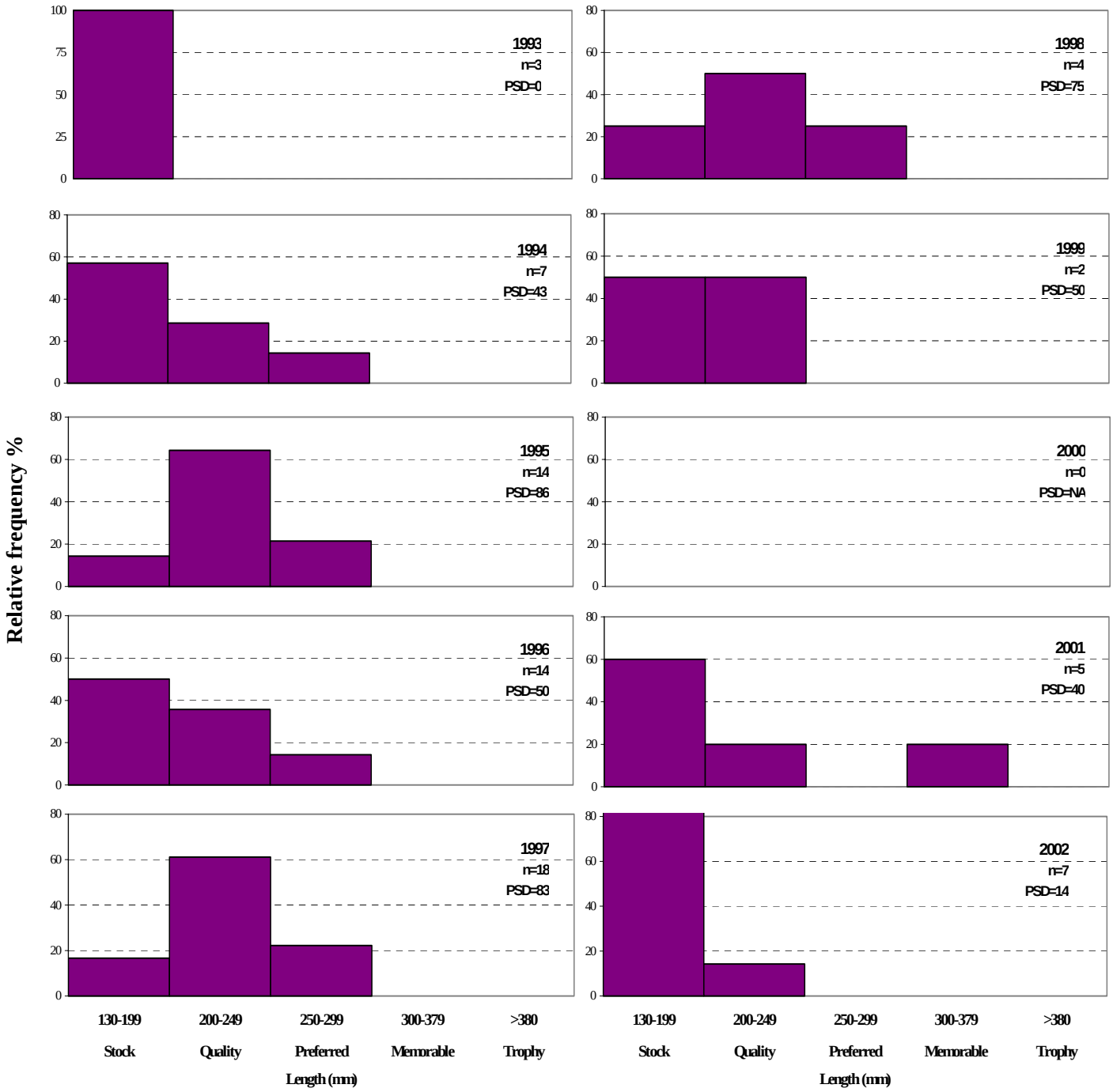
Appendix E.3. Relative frequency histograms of black crappie captured by day electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



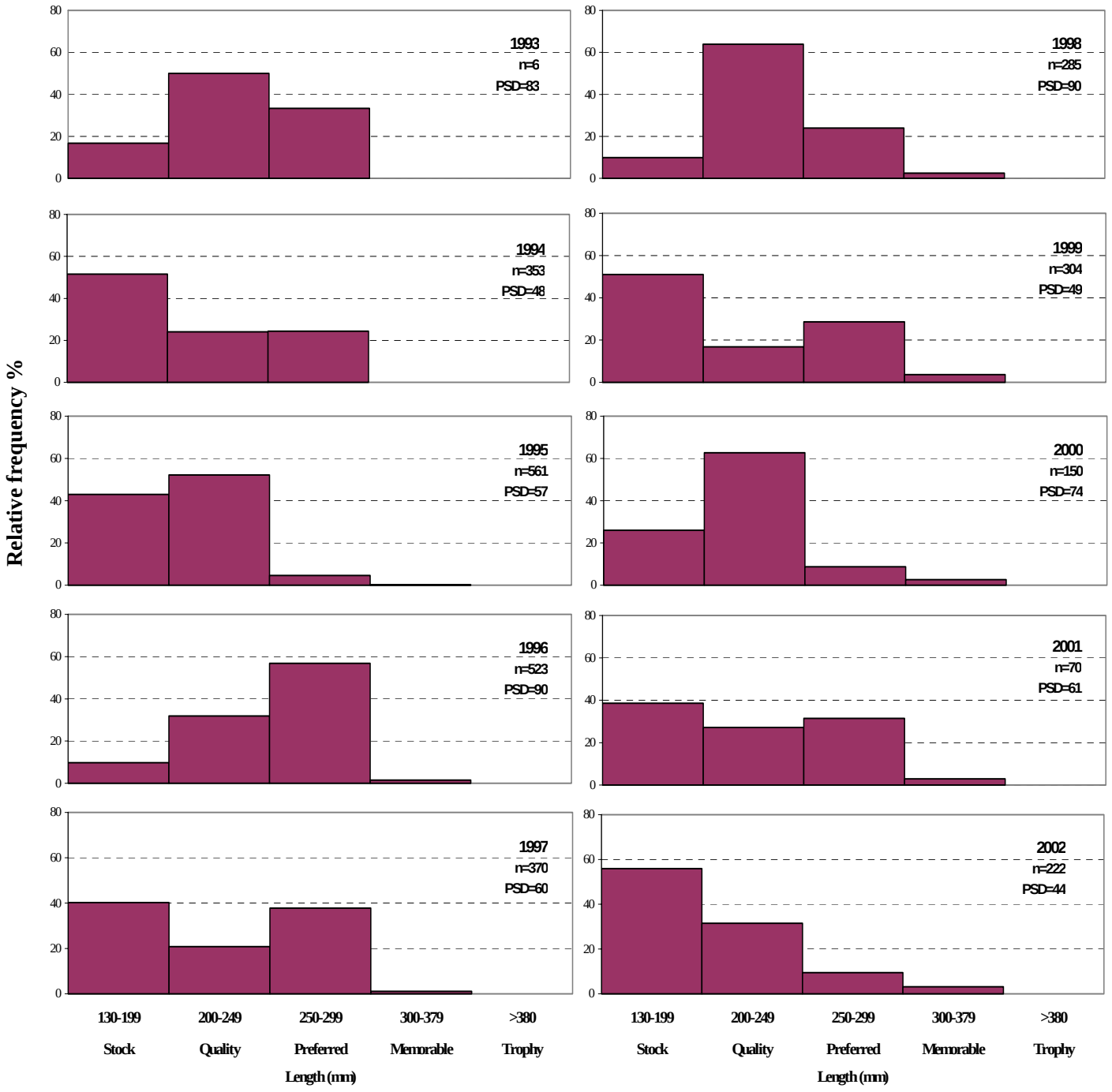
Appendix E.4. Relative frequency histograms of black crappie captured by day electrofishing in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



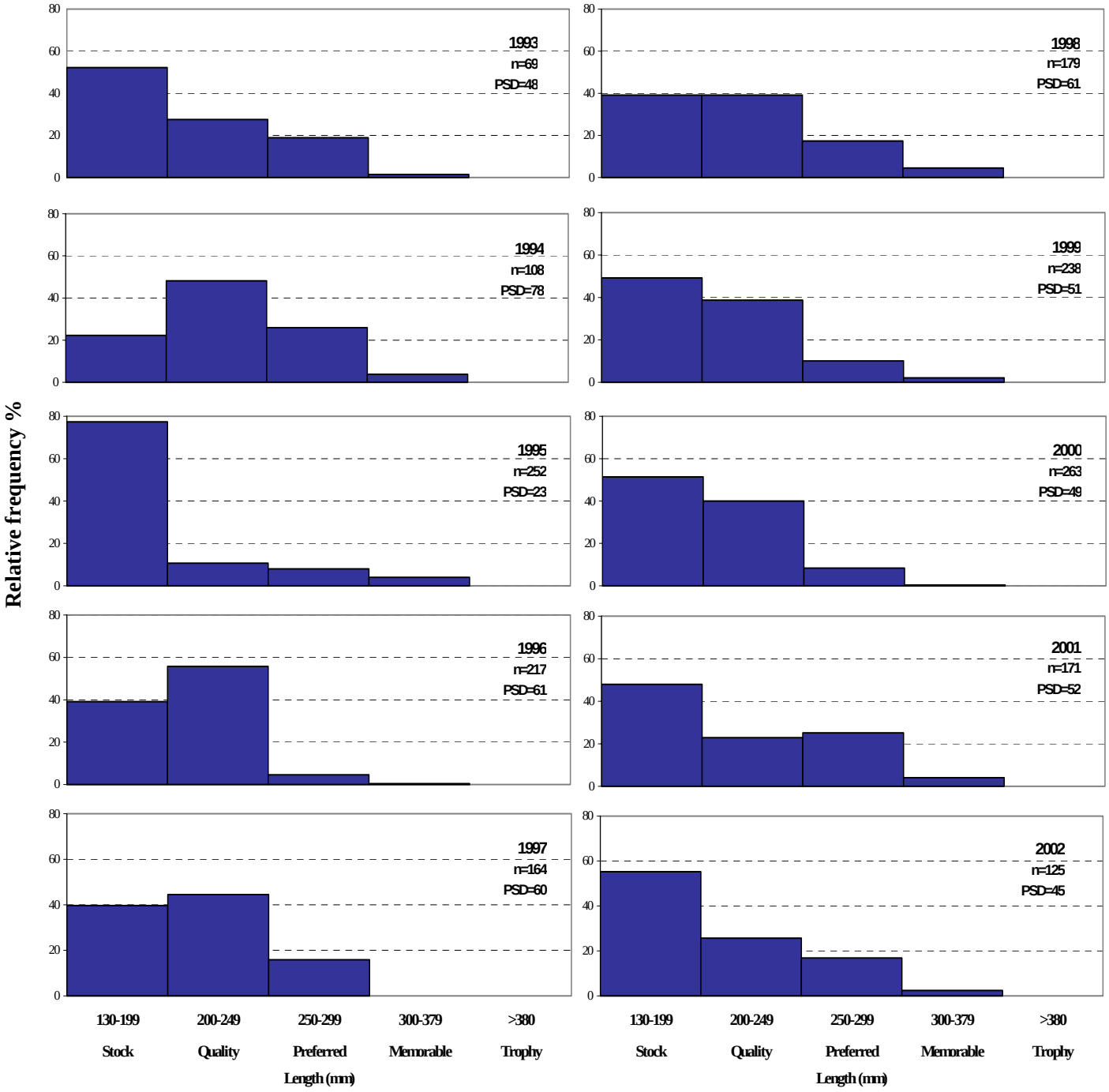
Appendix E.5. Relative frequency histograms of black crappie captured by day electrofishing in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



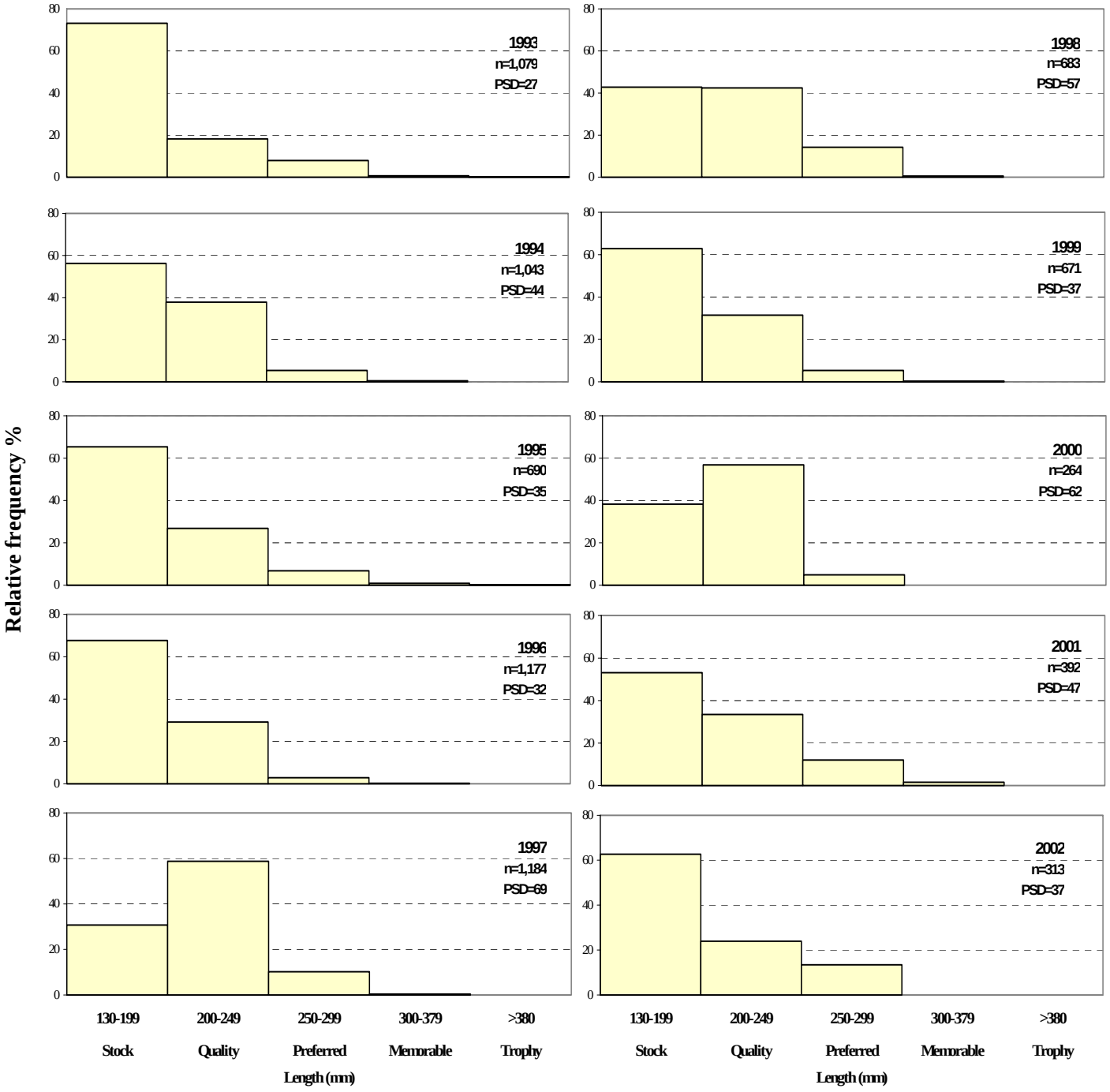
Appendix E.6. Relative frequency histograms of black crappie captured by day electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



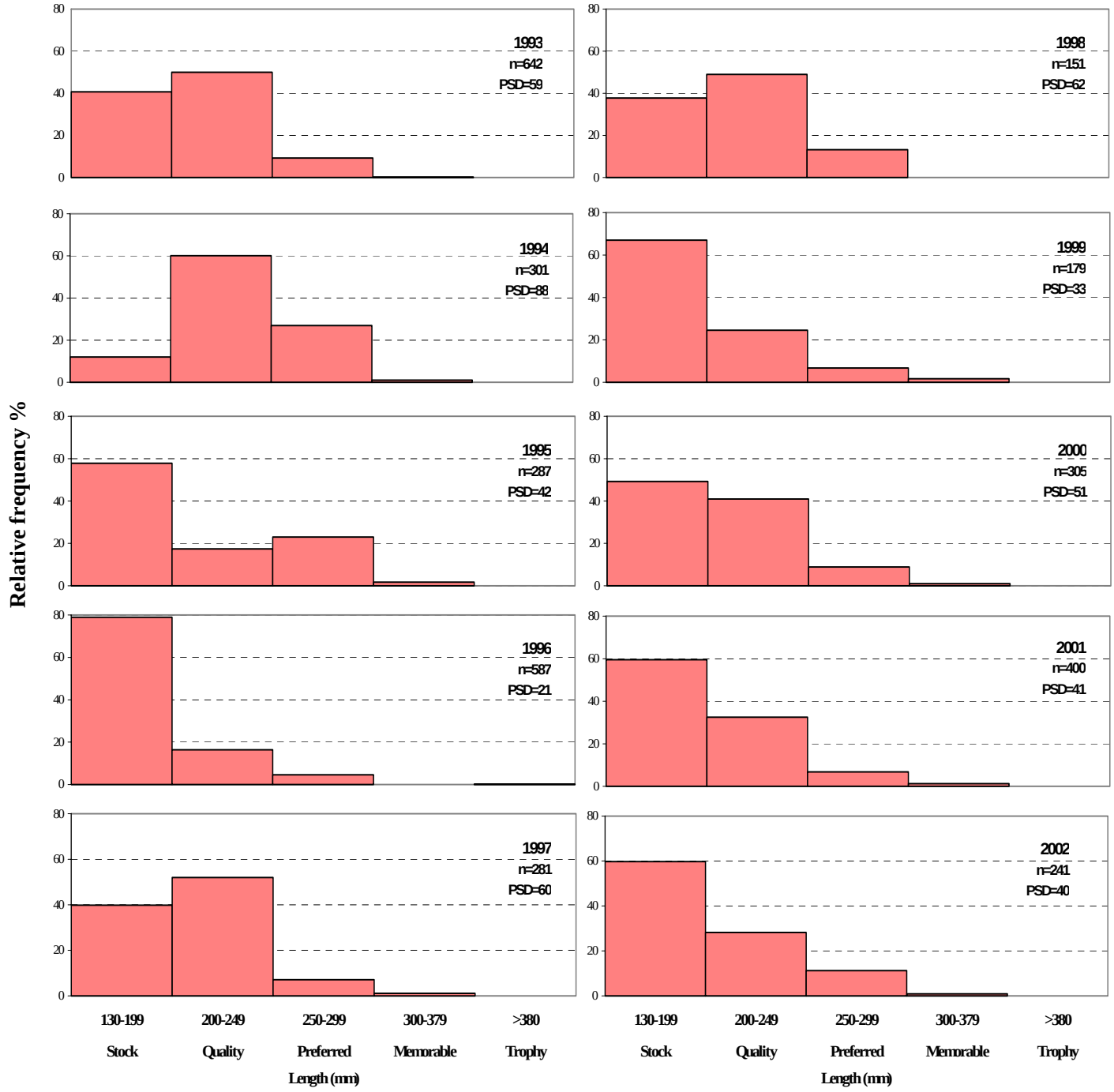
Appendix E.7. Relative frequency histograms of black crappie captured by fyke netting in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



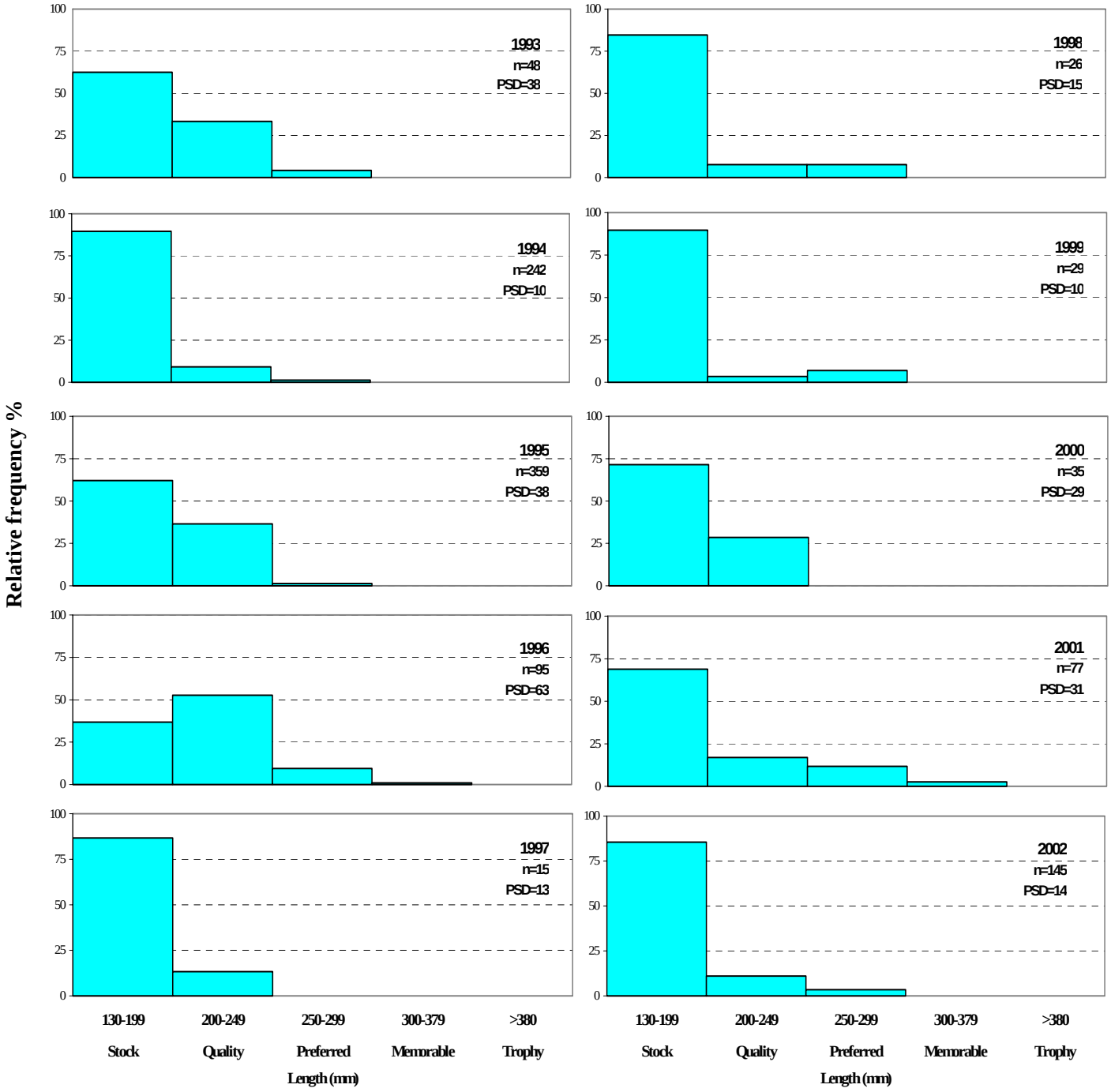
Appendix E.8. Relative frequency histograms of black crappie captured by fyke netting in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



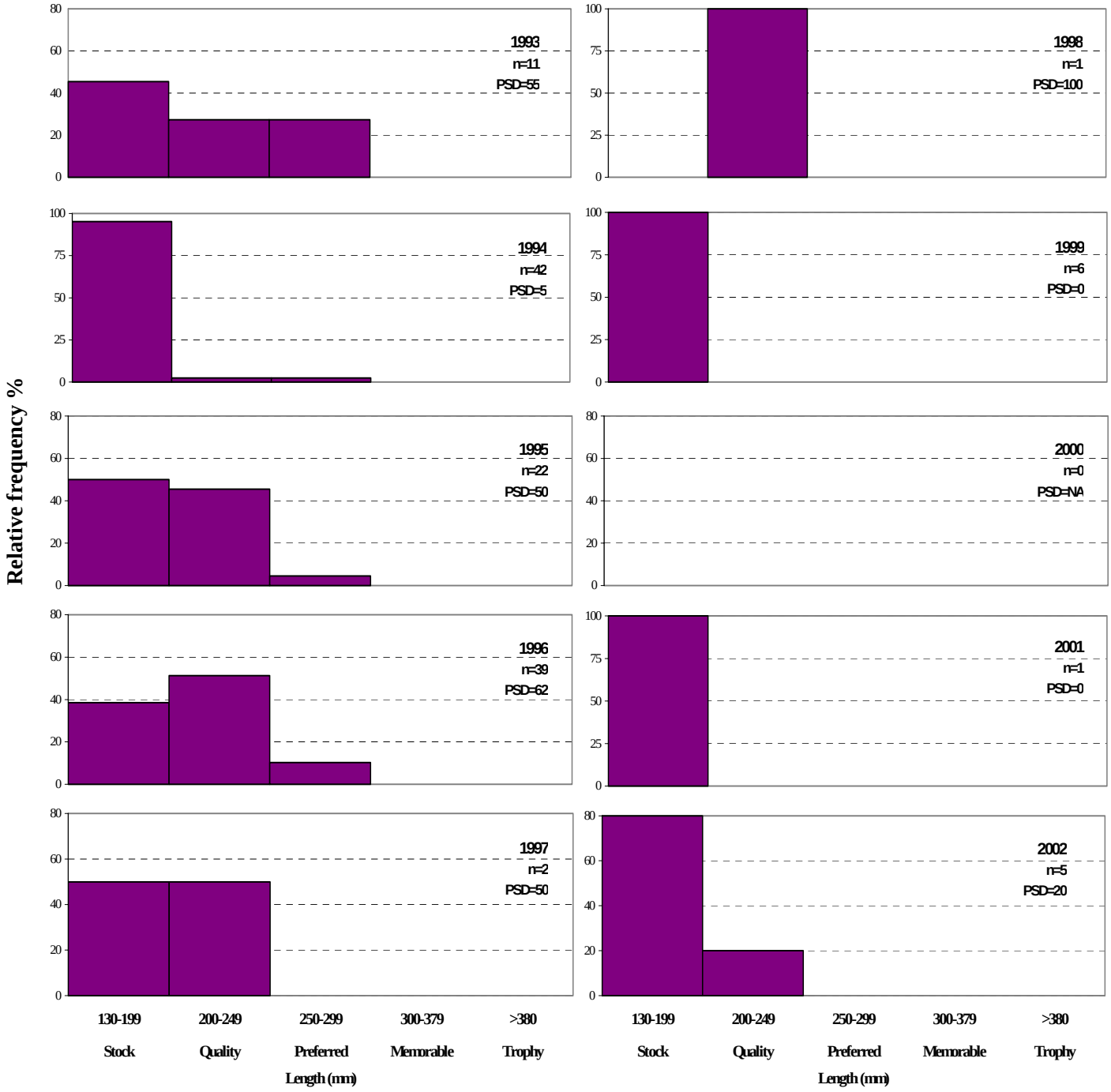
Appendix E.9. Relative frequency histograms of black crappie captured by fyke netting in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



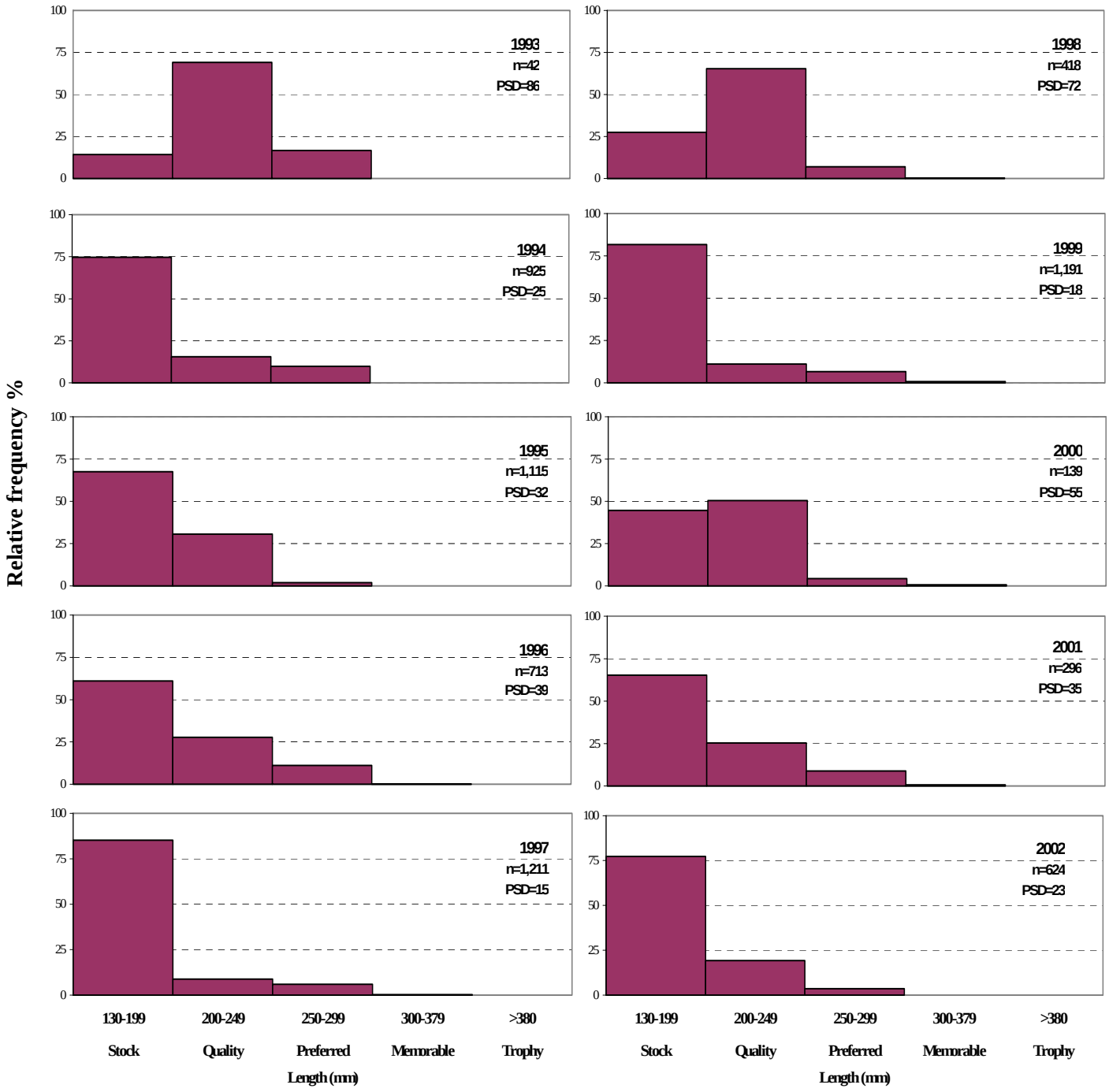
Appendix E.10. Relative frequency histograms of black crappie captured by fyke netting in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



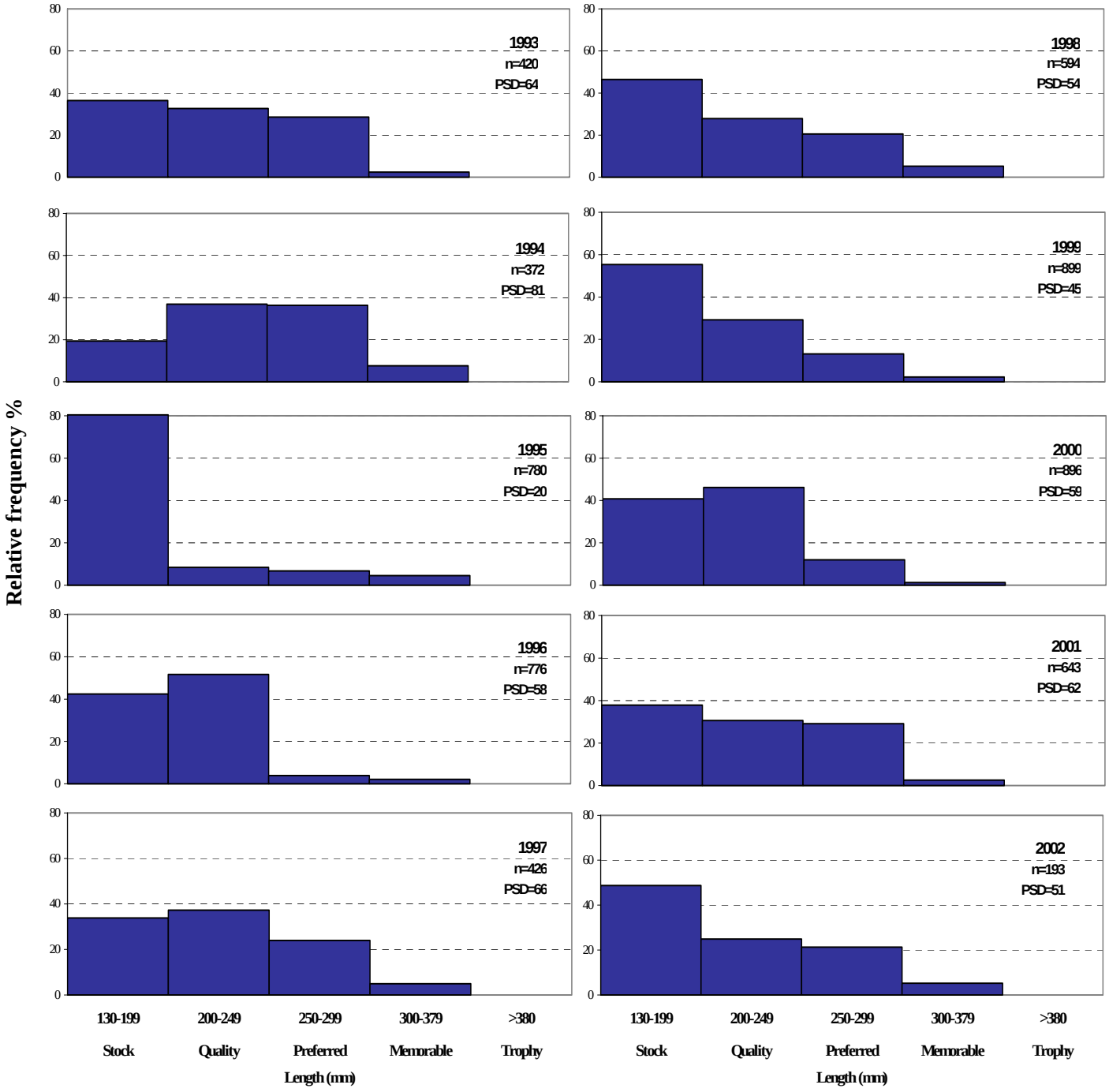
Appendix E.11. Relative frequency histograms of black crappie captured by fyke netting in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



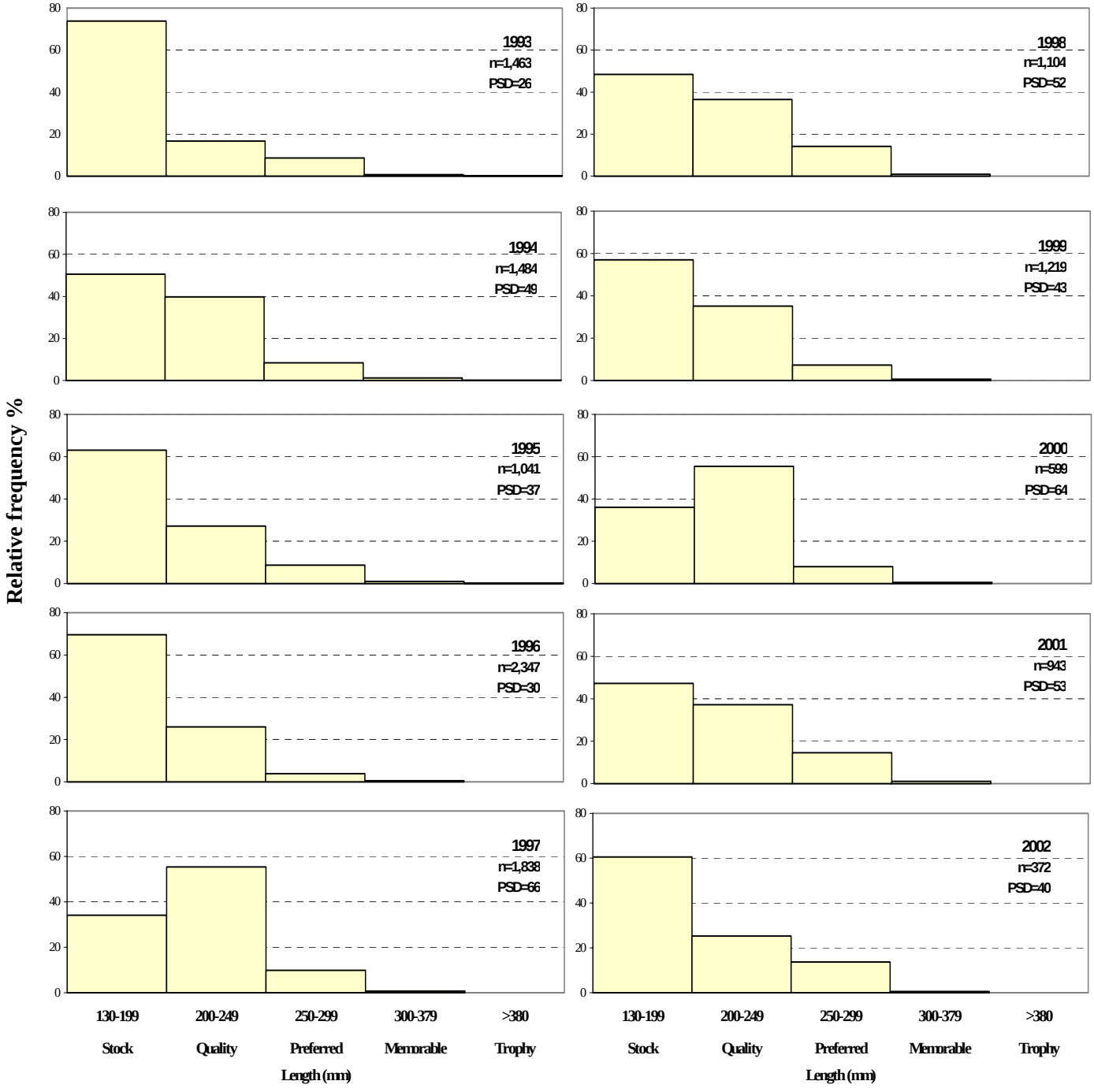
Appendix E.12. Relative frequency histograms of black crappie captured by fyke netting in La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



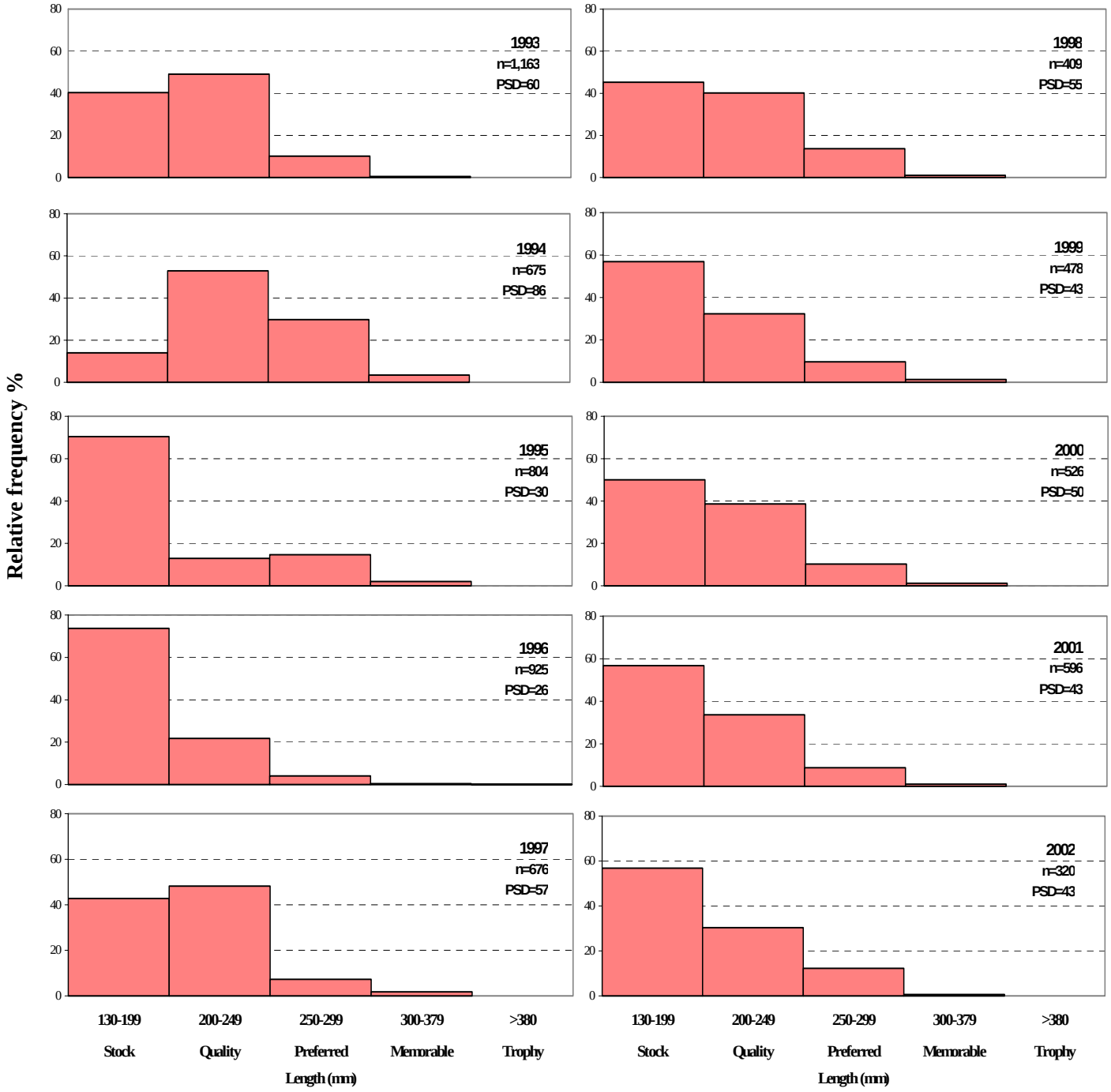
Appendix E.13. Relative frequency histograms of black crappie captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



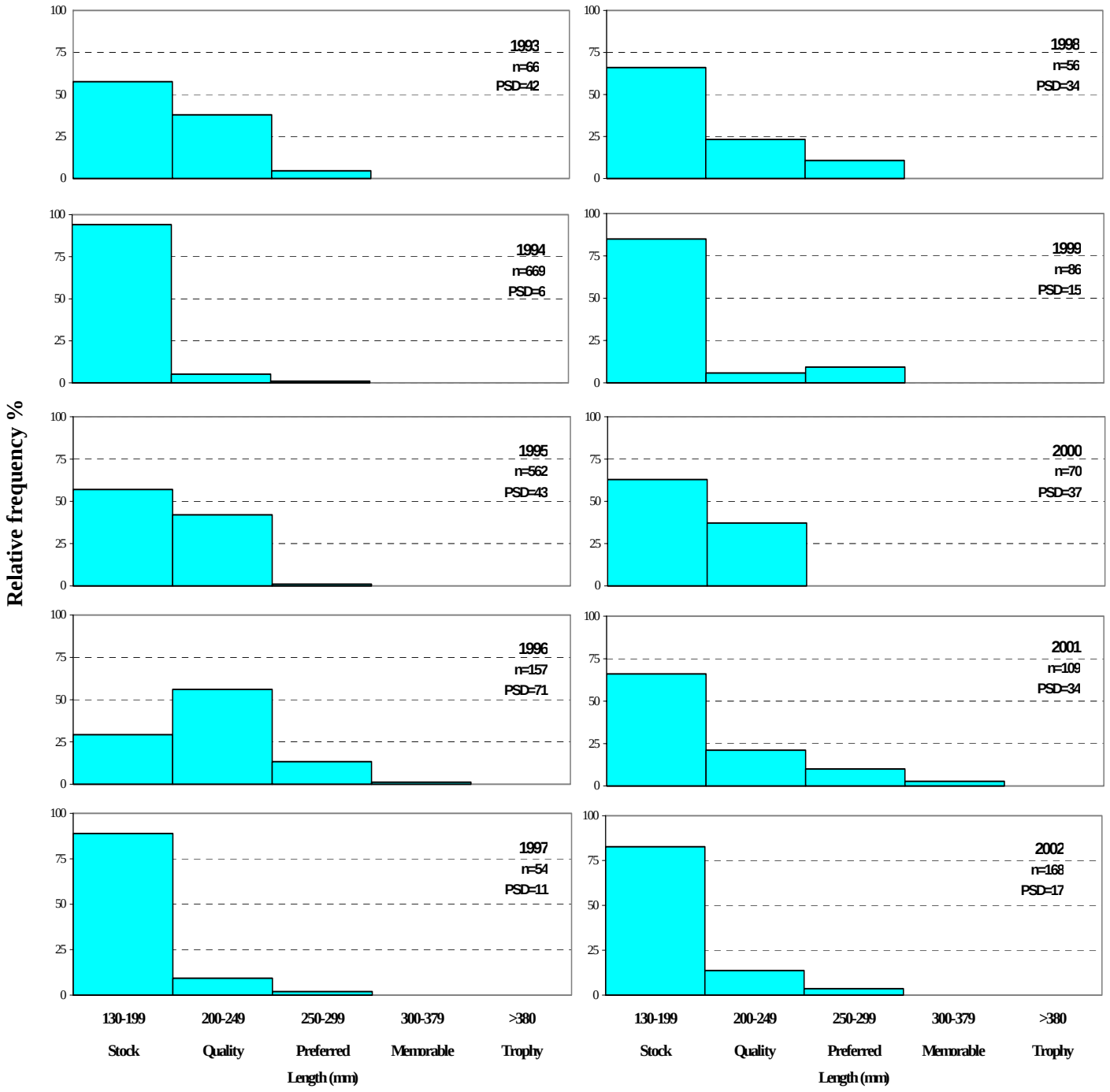
Appendix E.14. Relative frequency histograms of black crappie captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



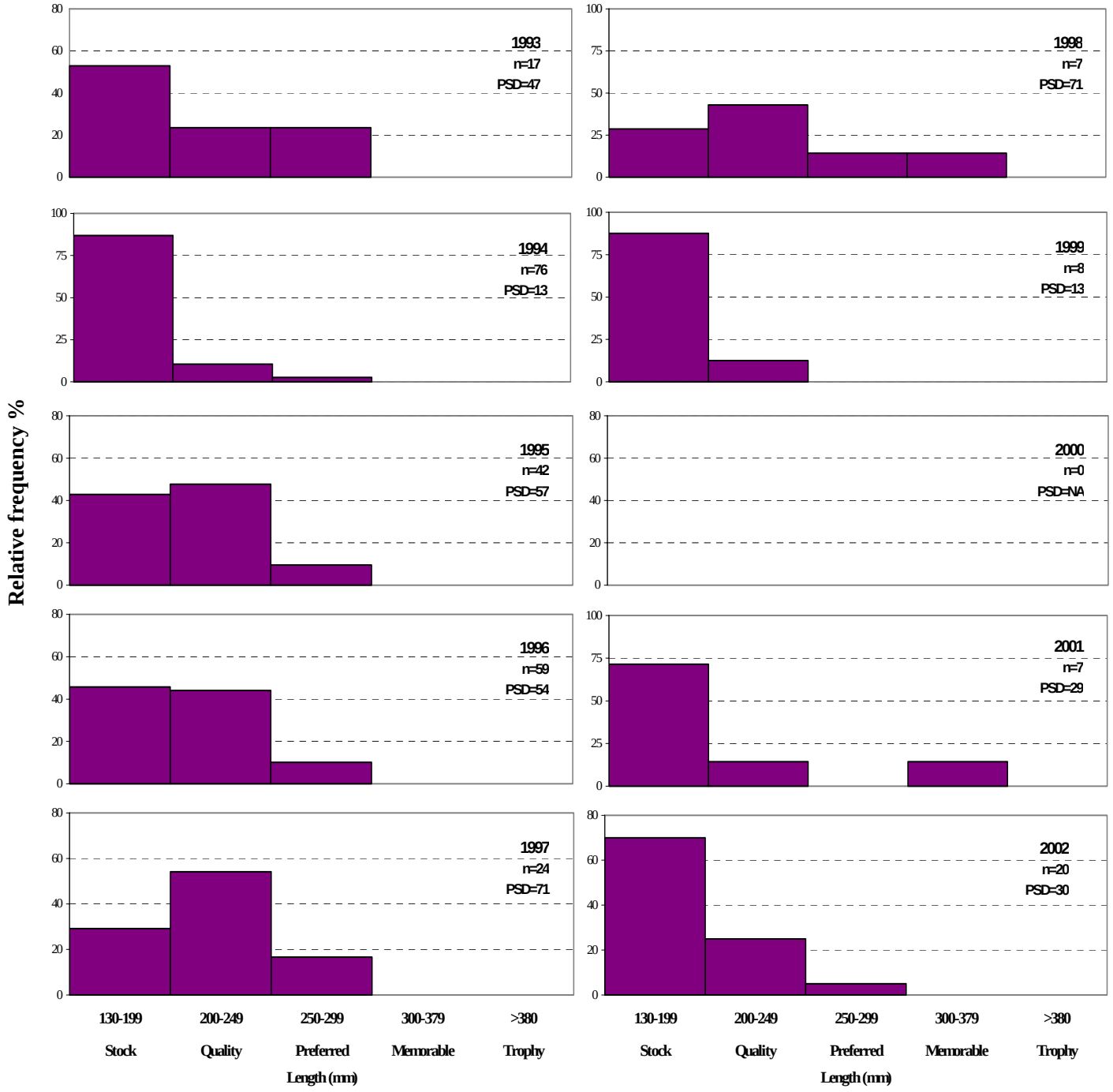
Appendix E.15. Relative frequency histograms of black crappie captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



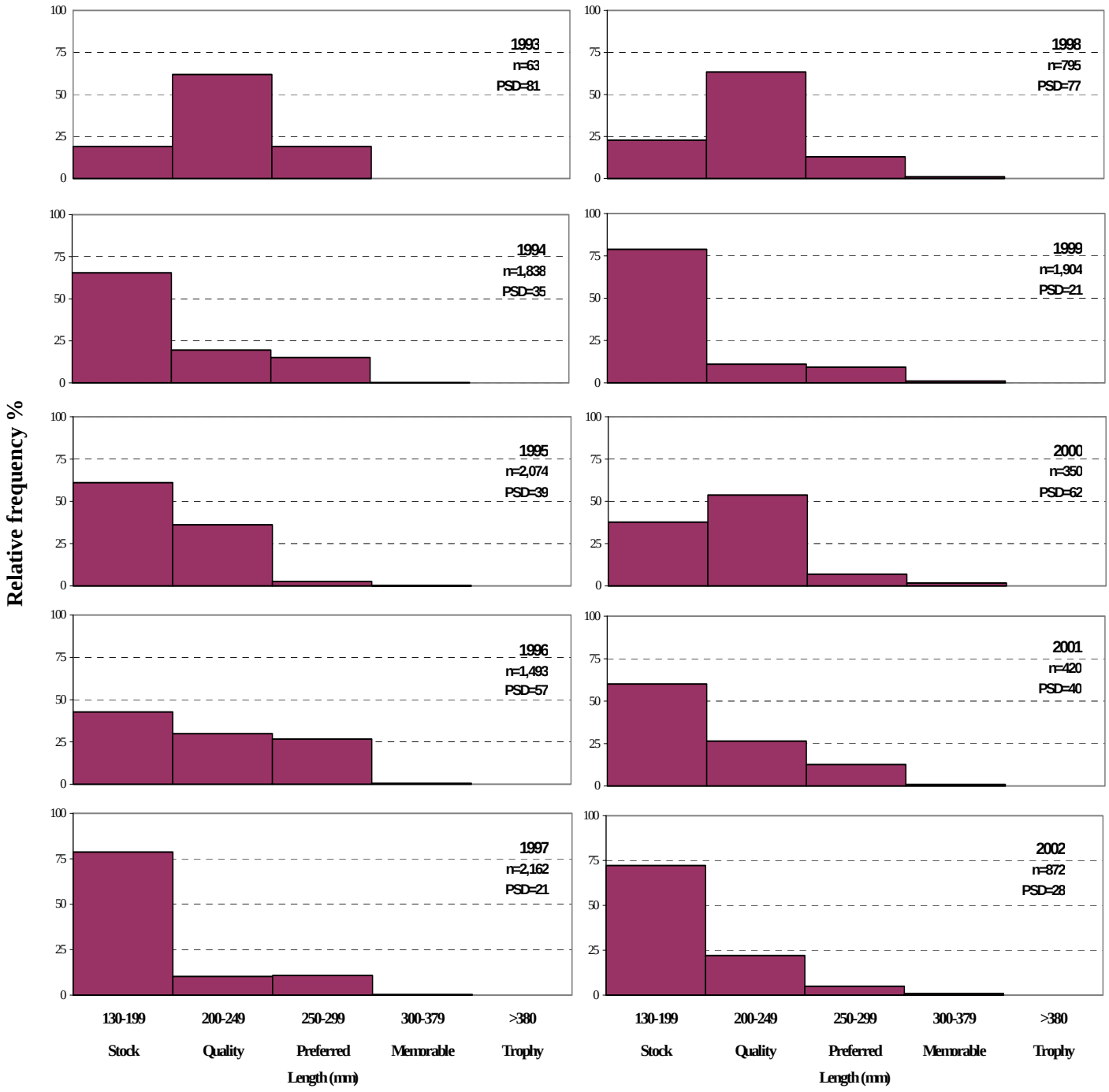
Appendix E.16. Relative frequency histograms of black crappie captured by all gears in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



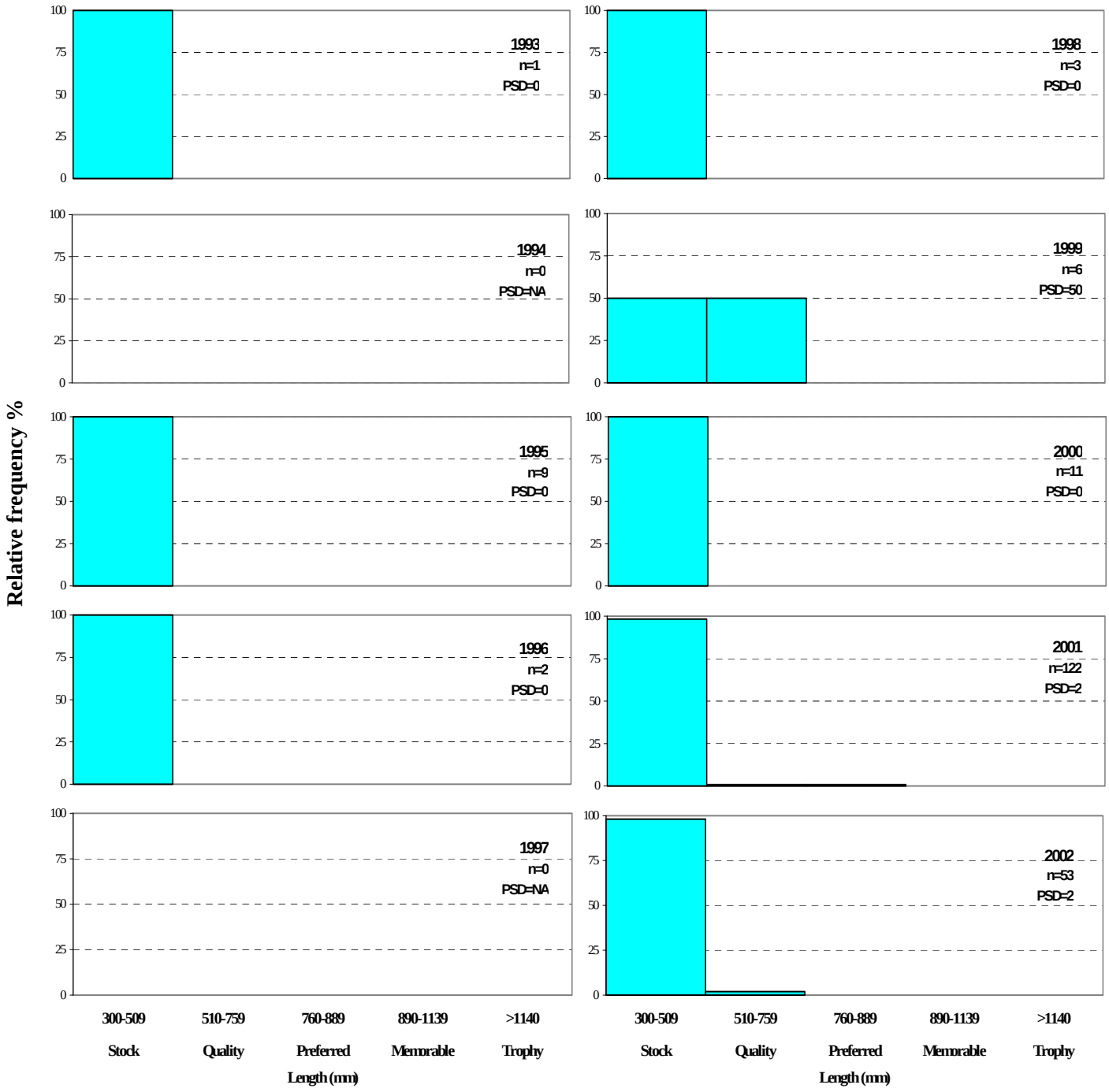
Appendix E.17. Relative frequency histograms of black crappie captured by all gears in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



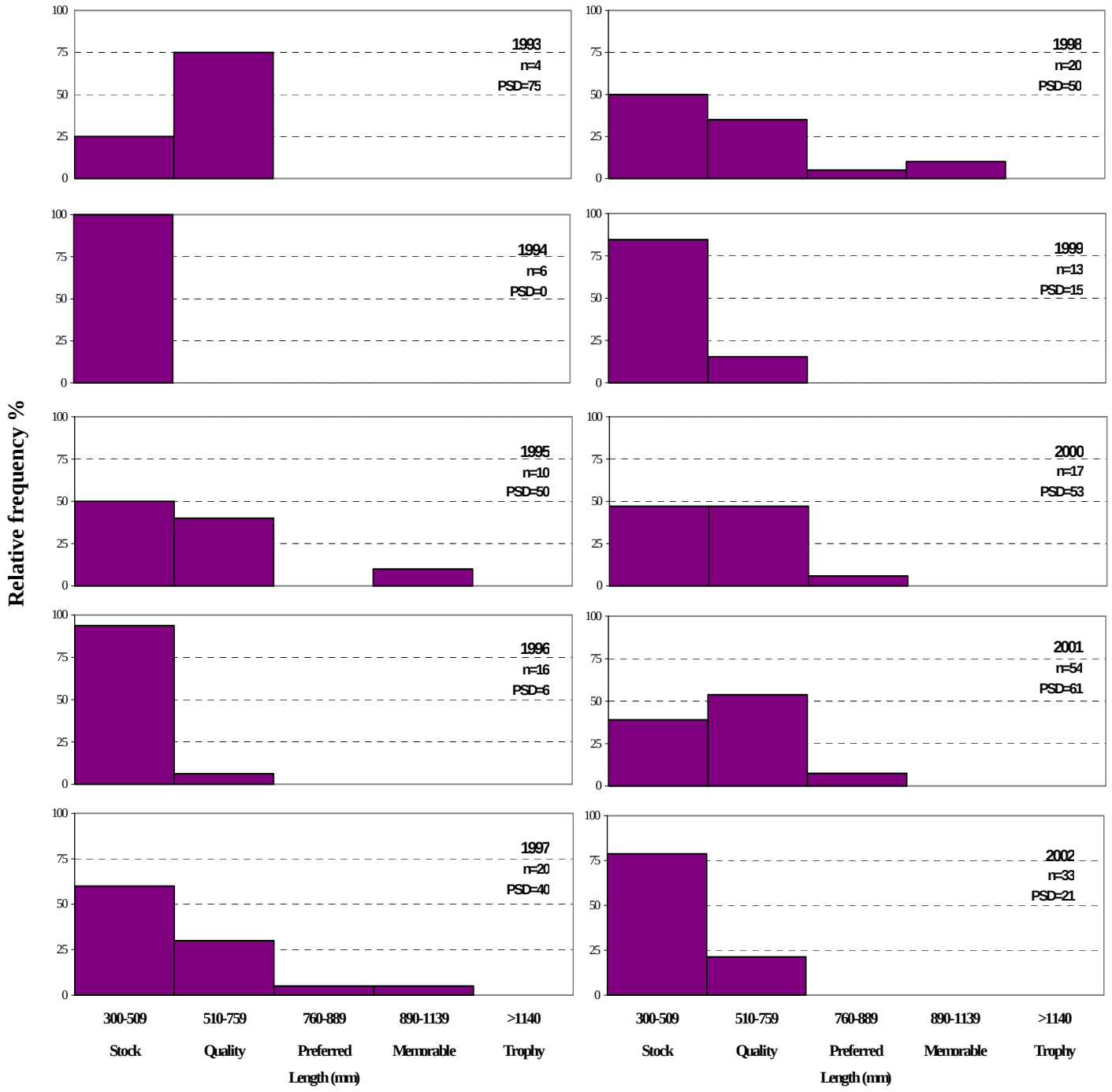
Appendix E.18. Relative frequency histograms of black crappie captured by all gears in La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



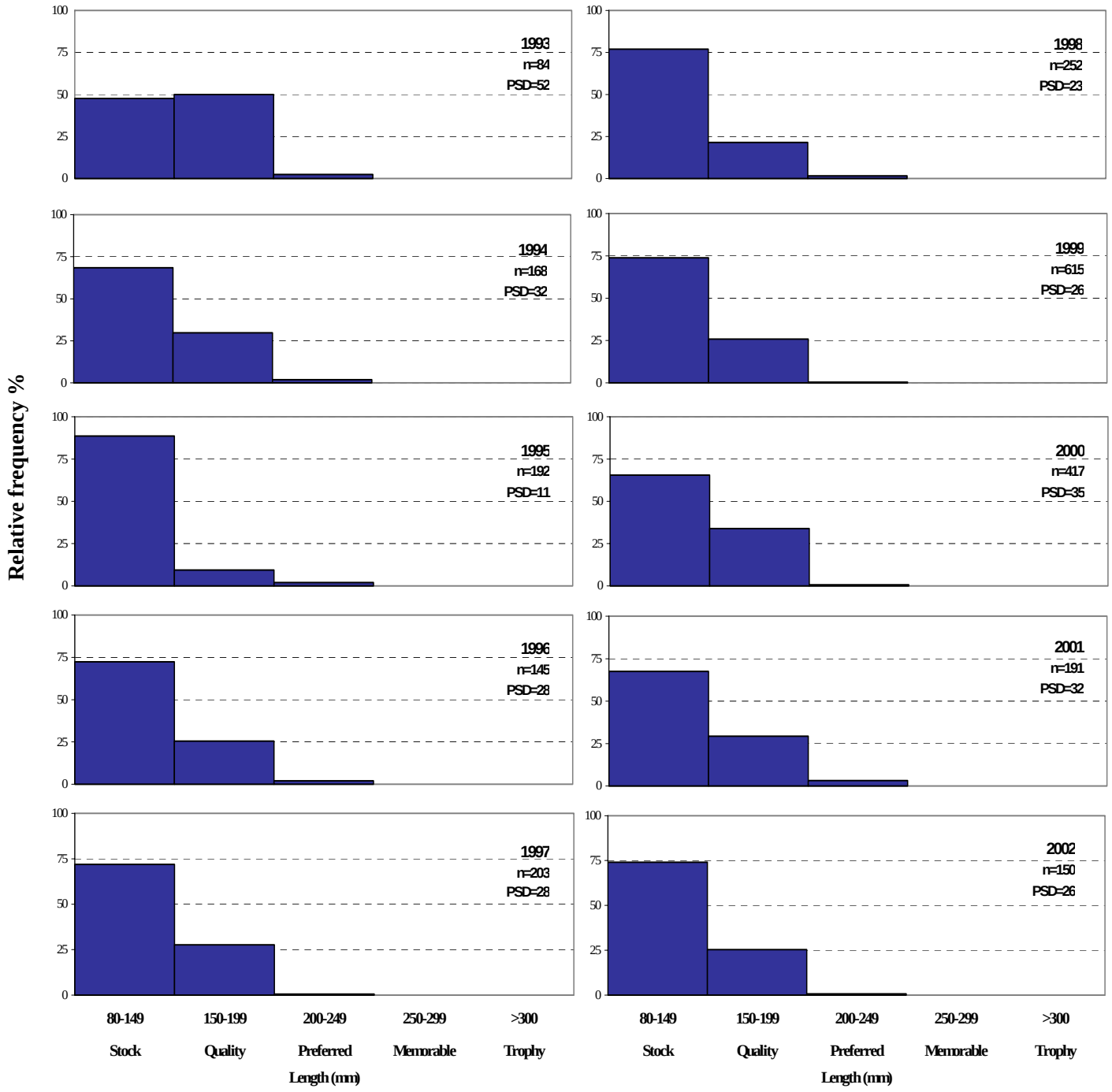
Appendix E.19. Relative frequency histograms of blue catfish captured by all gears in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



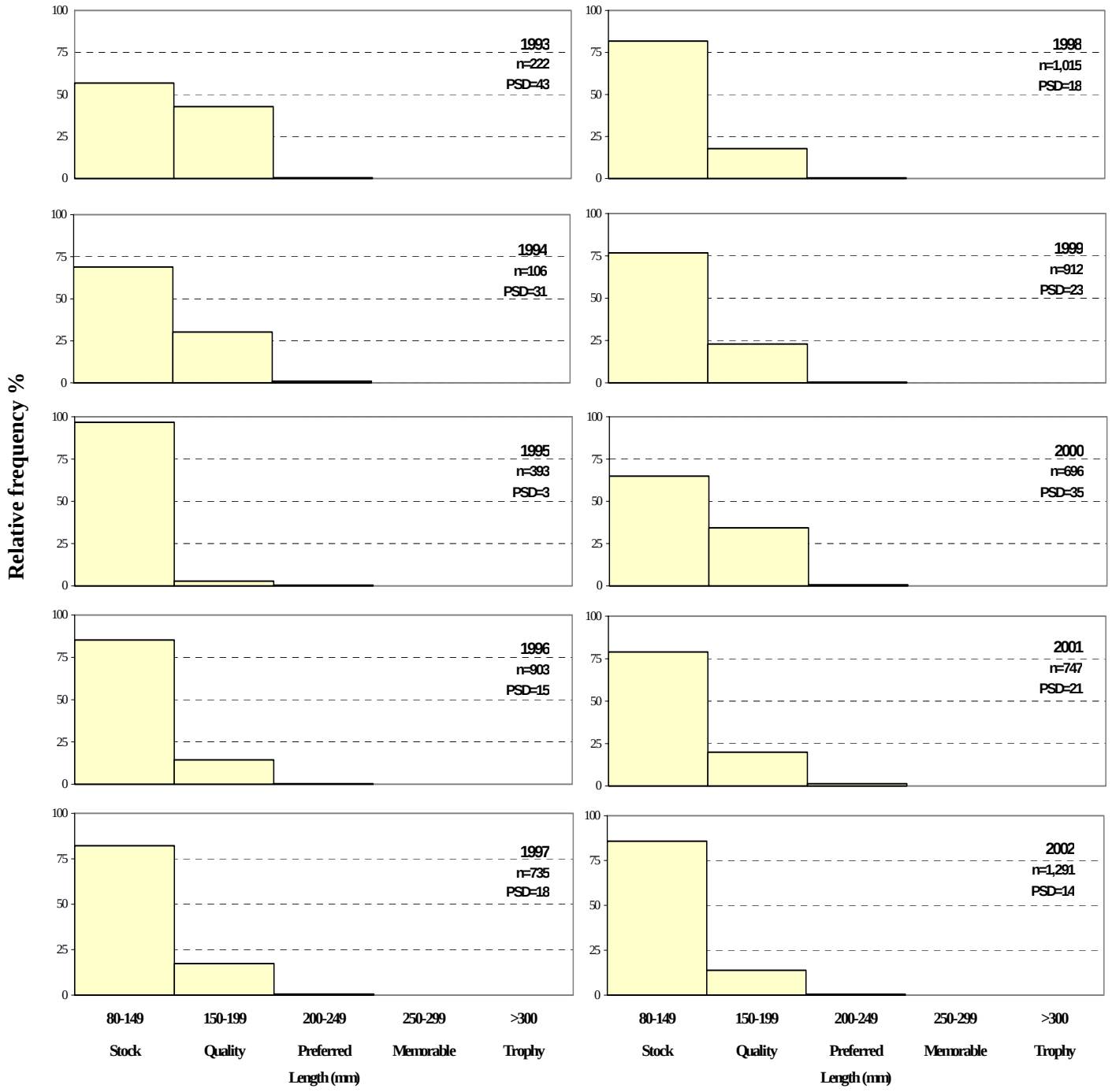
Appendix E.20. Relative frequency histograms of blue catfish captured by all gears in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



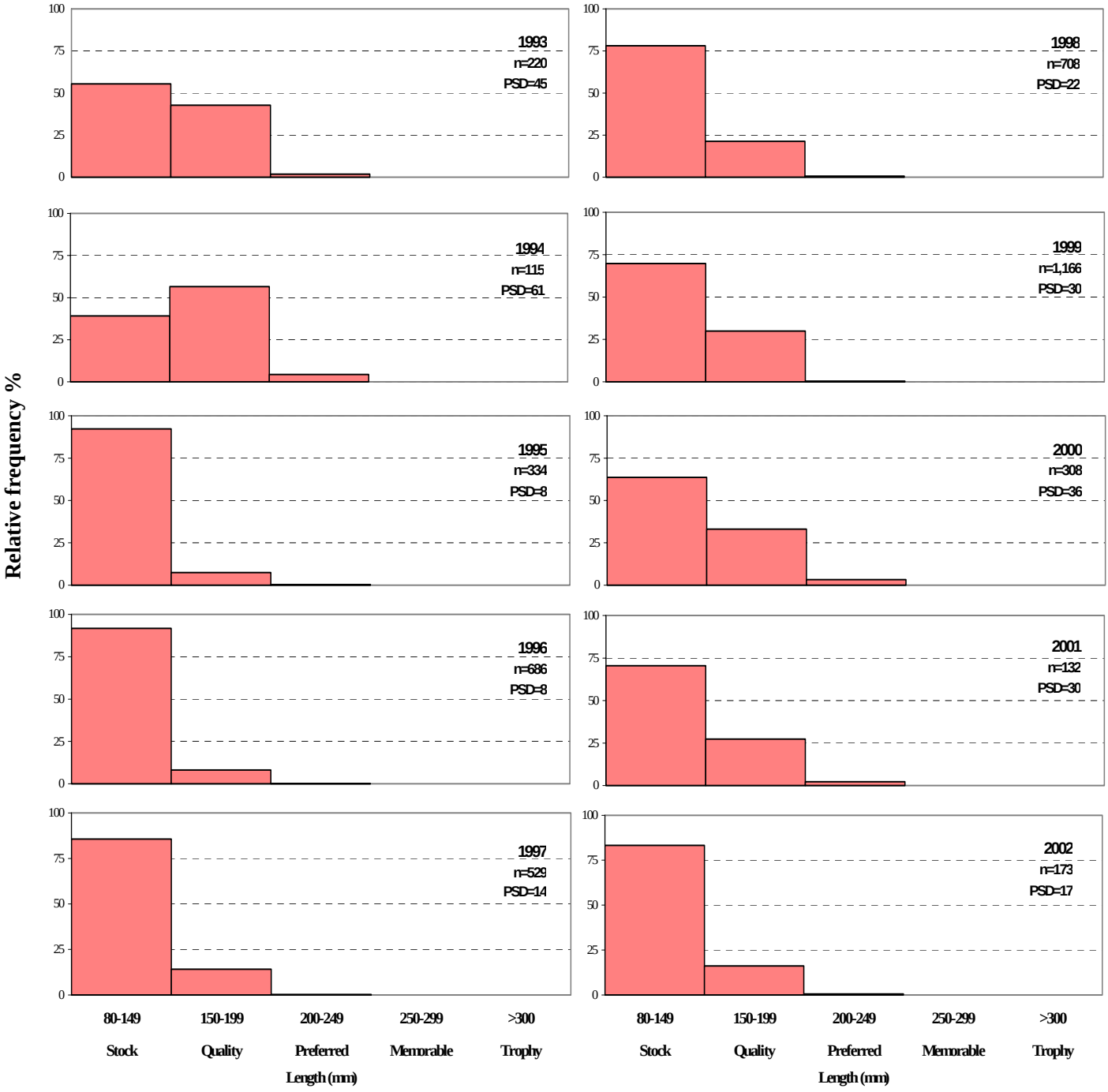
Appendix E.21. Relative frequency histograms of bluegill captured by electrofishing in the Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



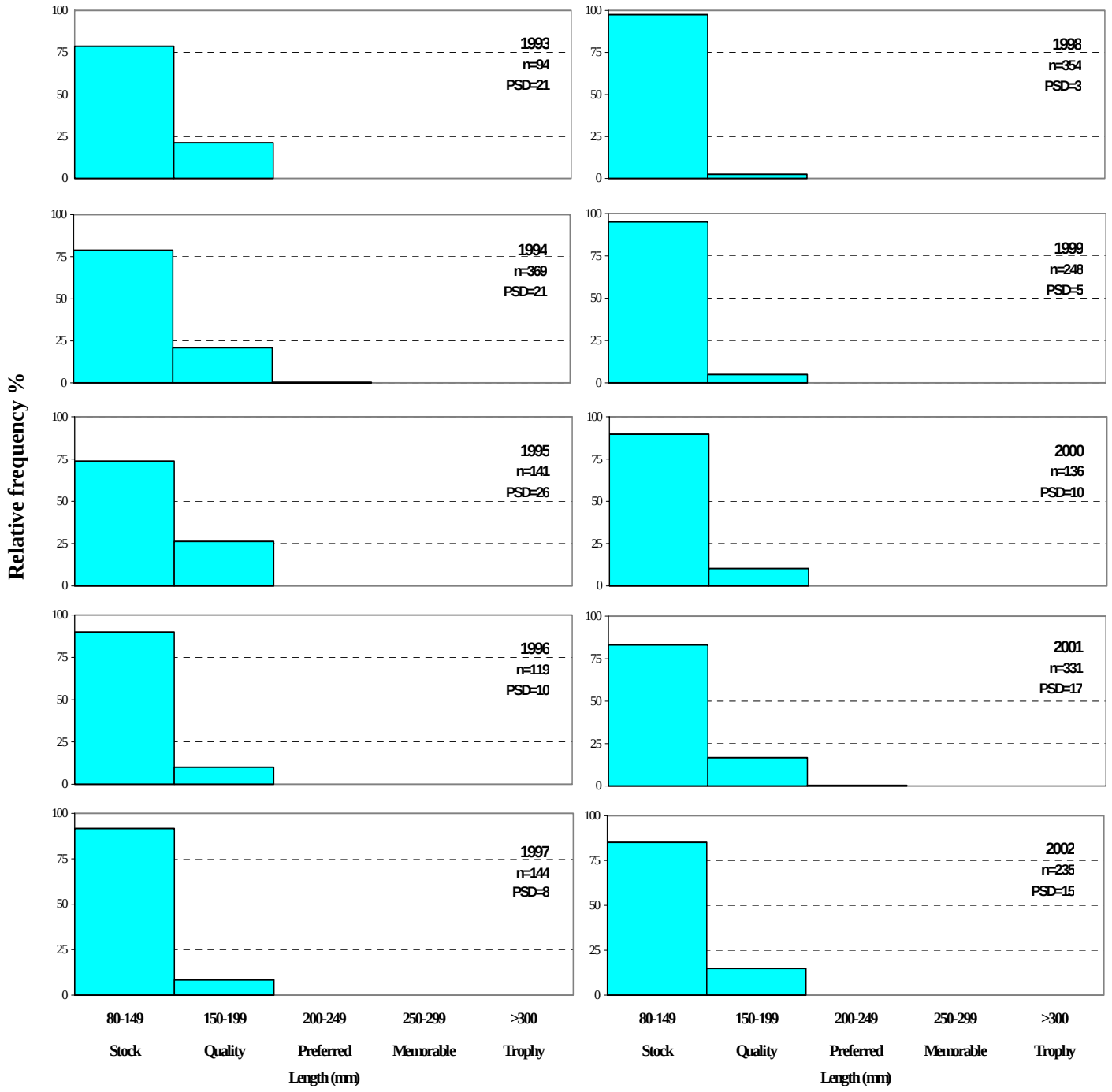
Appendix E.22. Relative frequency histograms of bluegill captured by electrofishing in the Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



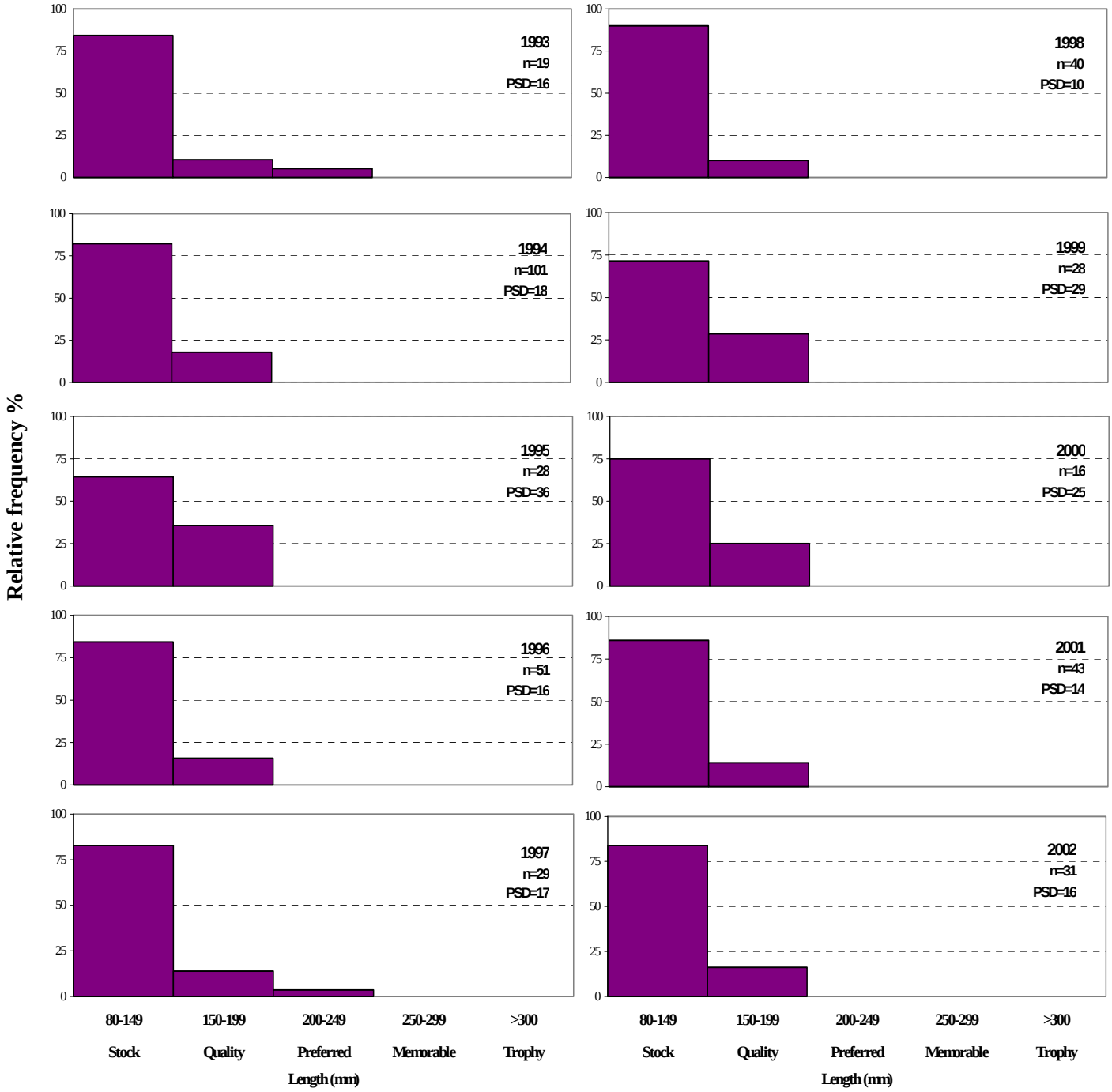
Appendix E.23. Relative frequency histograms of bluegill captured by electrofishing in the Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



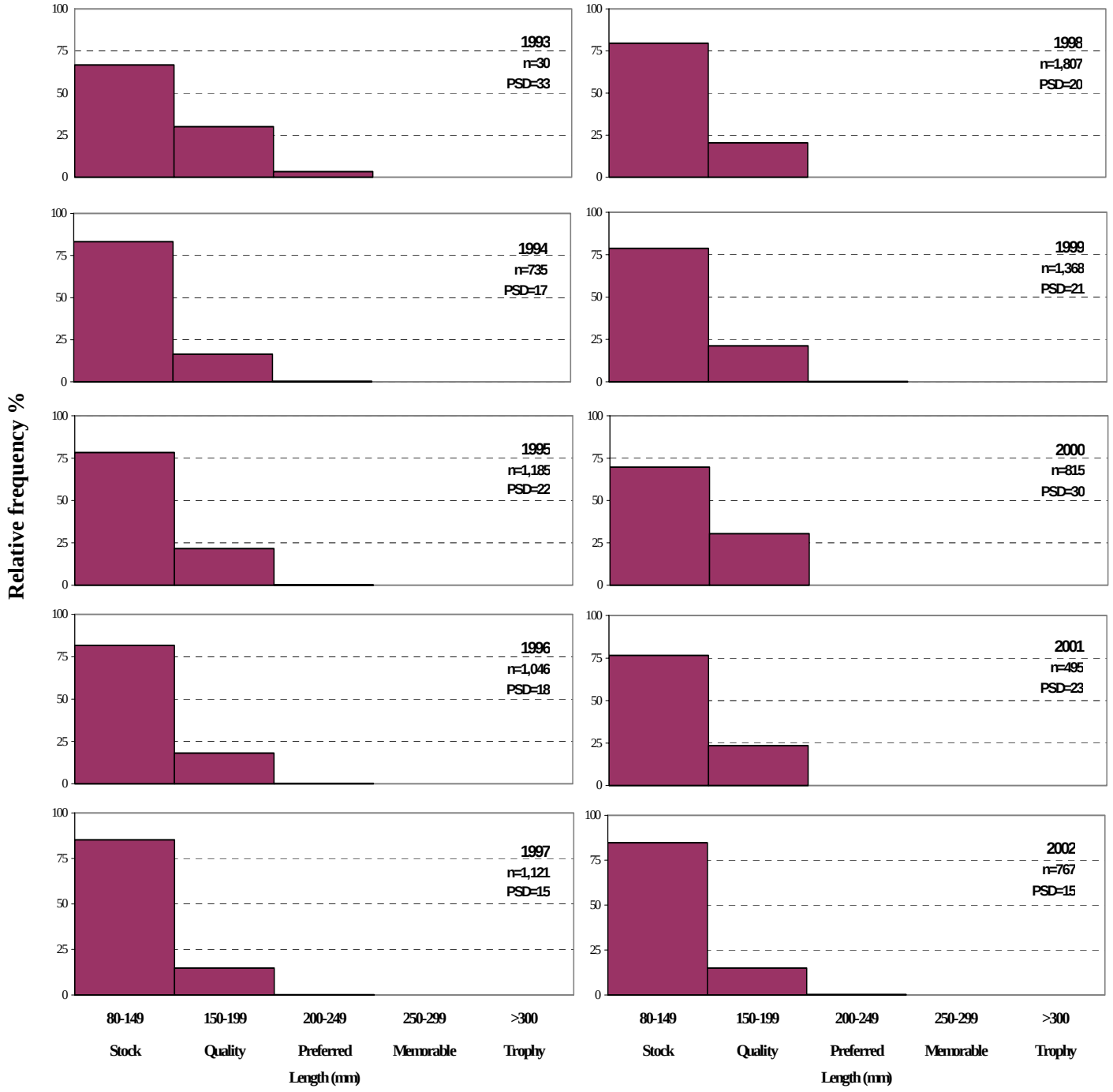
Appendix E.24. Relative frequency histograms of bluegill captured by electrofishing in the Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



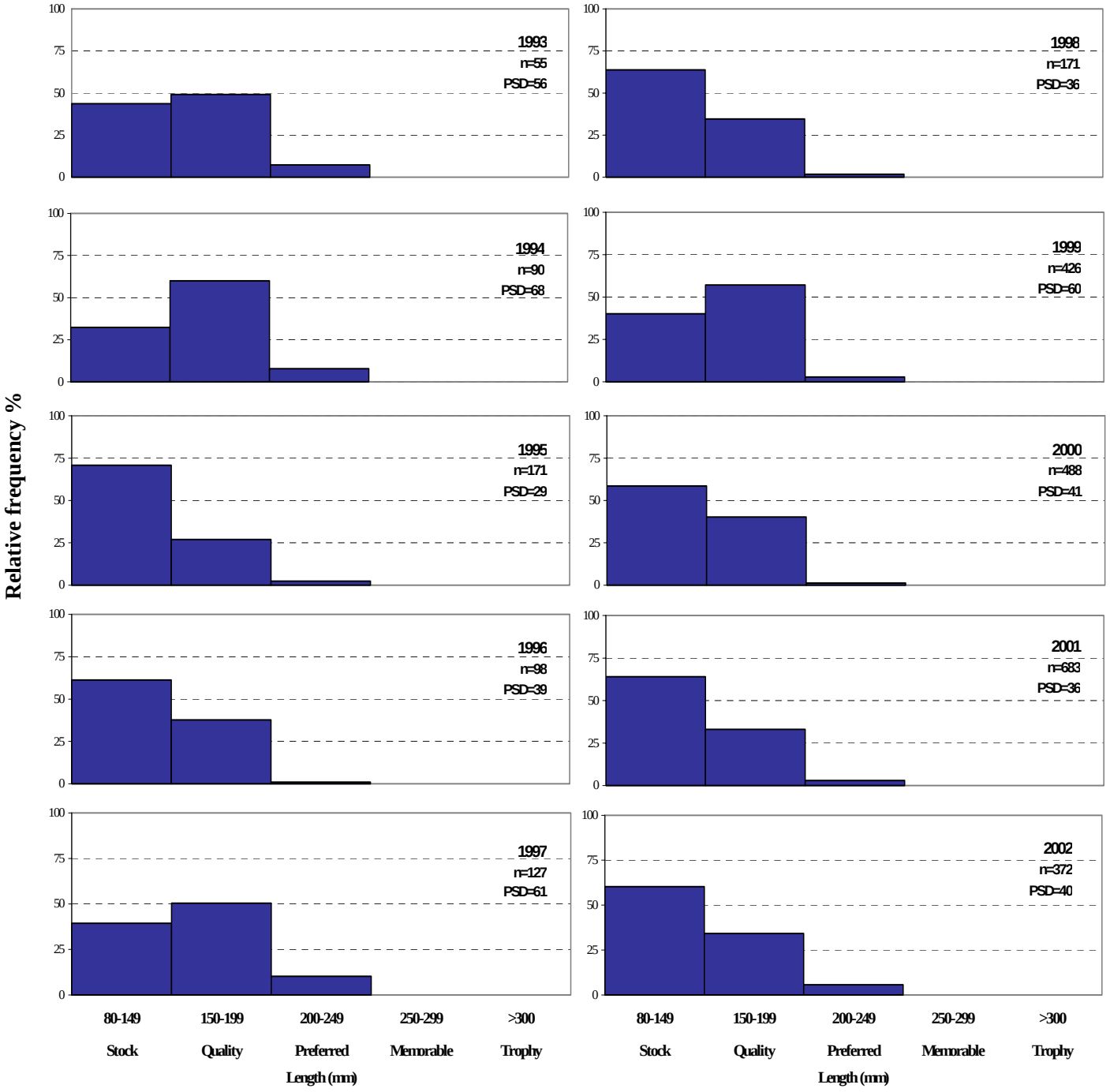
Appendix E.25. Relative frequency histograms of bluegill captured by electrofishing in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



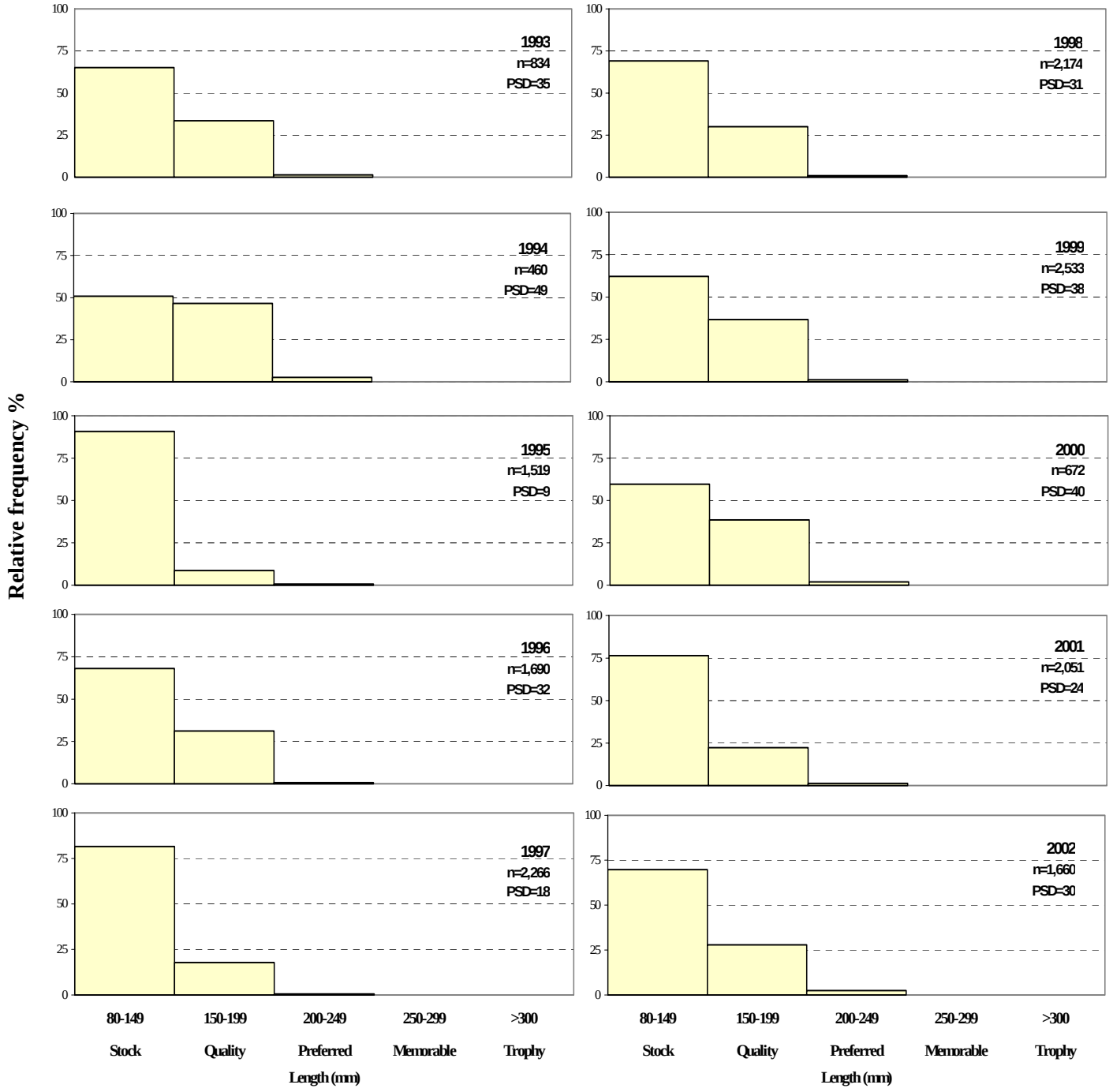
Appendix E.26. Relative frequency histograms of bluegill captured by electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



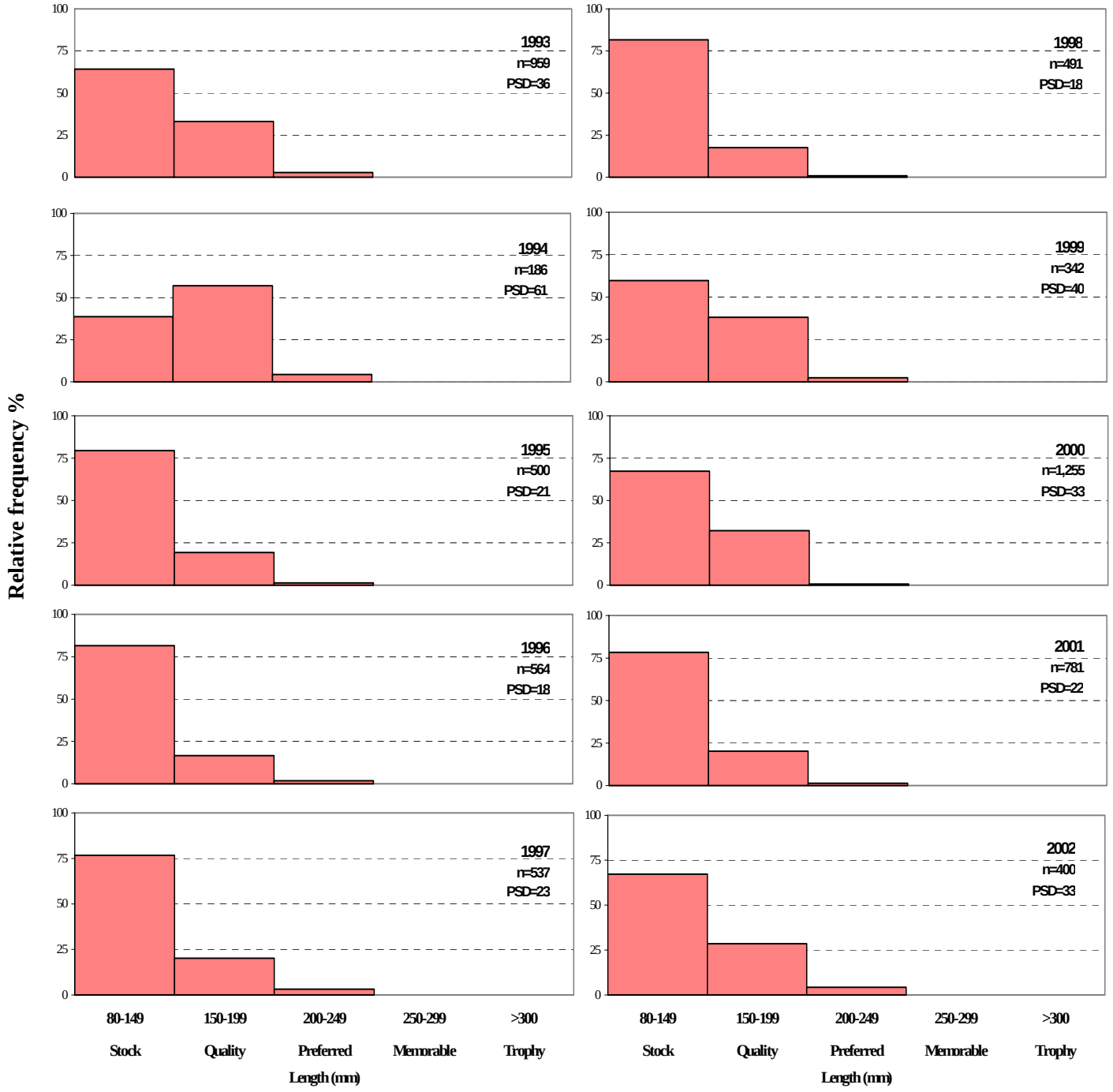
Appendix E.27. Relative frequency histograms of bluegill captured by fyke netting in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



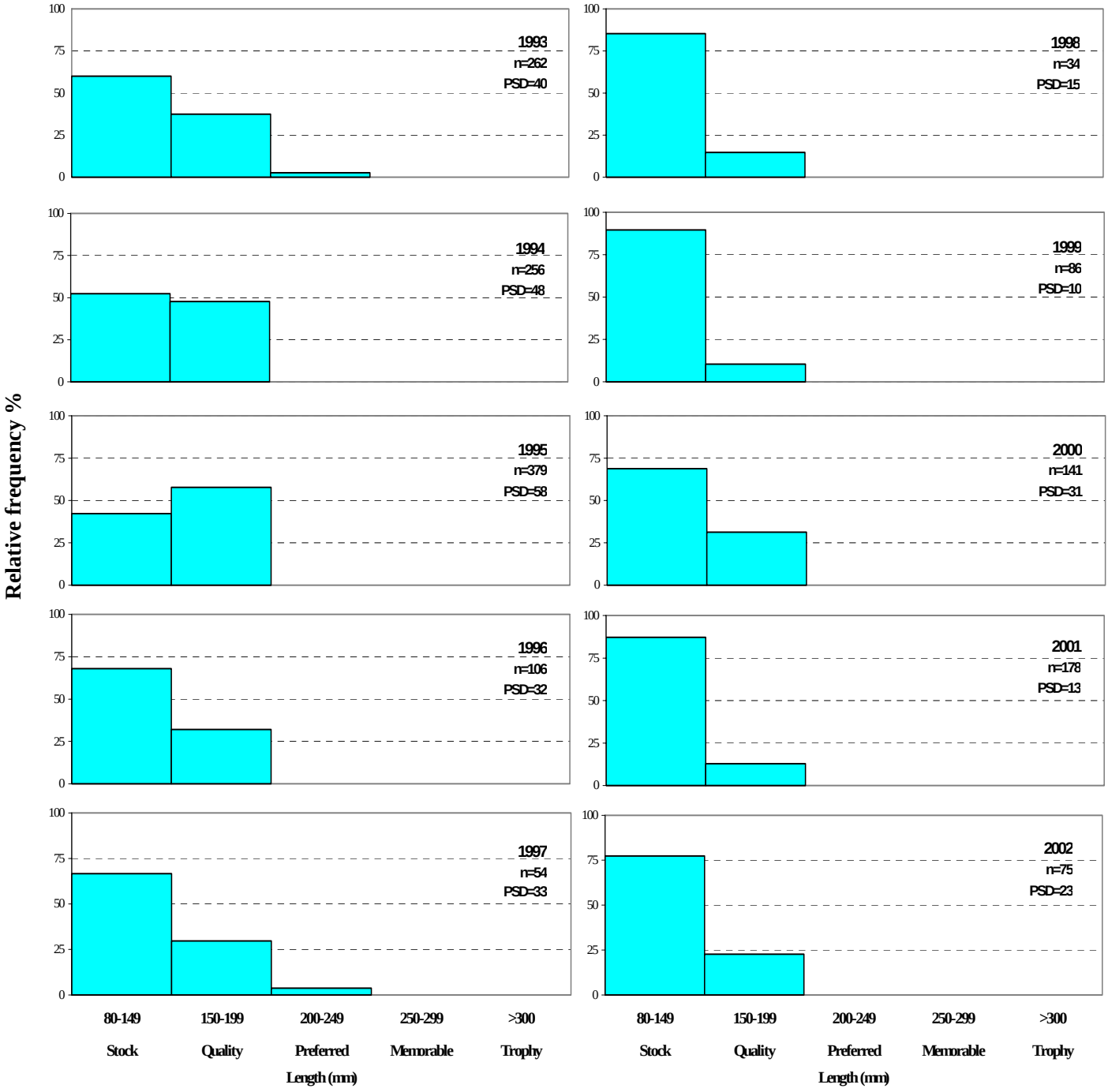
Appendix E.28. Relative frequency histograms of bluegill captured by fyke netting in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



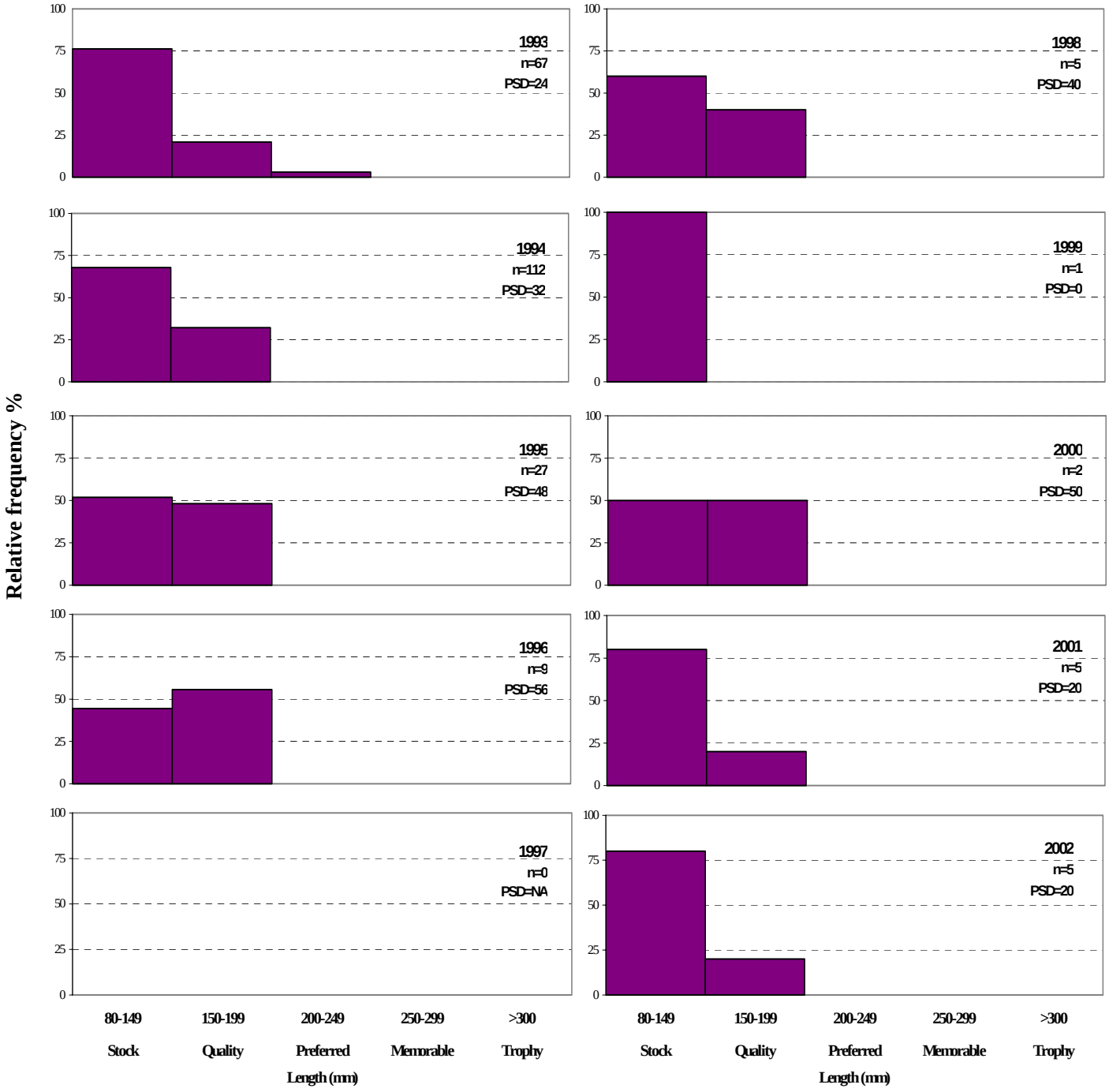
Appendix E.29. Relative frequency histograms of bluegill captured by fyke netting in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



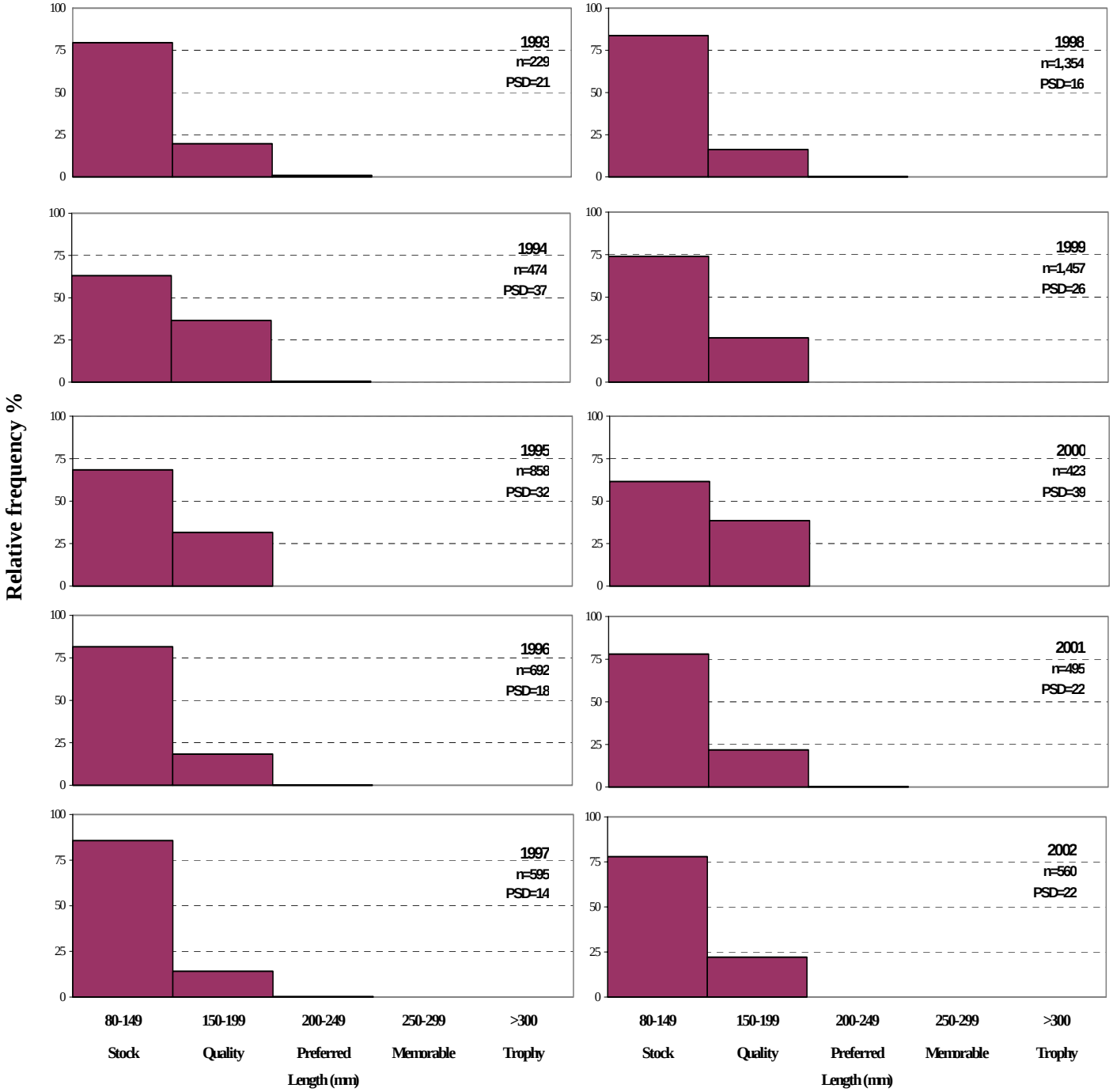
Appendix E.30. Relative frequency histograms of bluegill captured by fyke netting in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



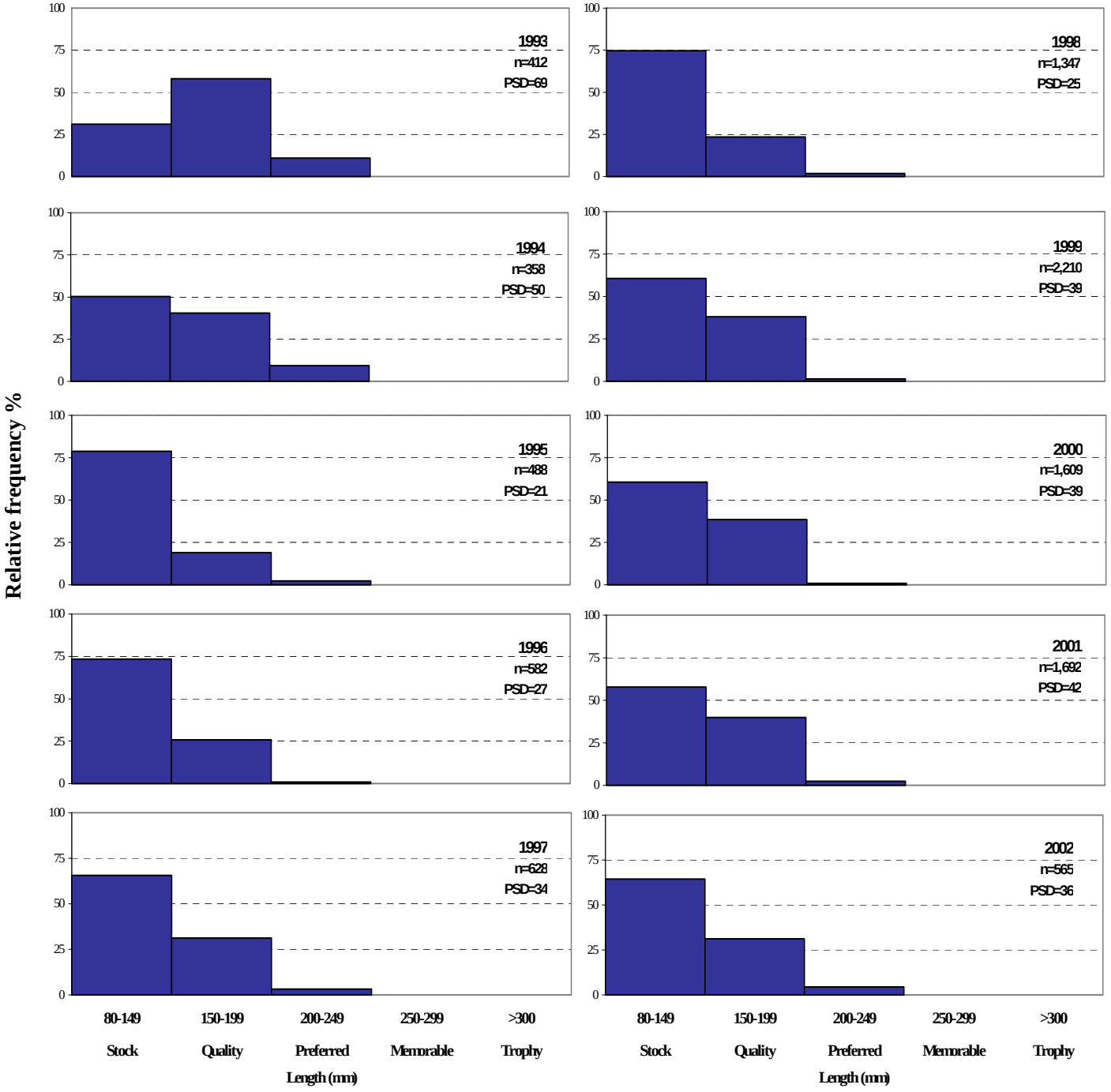
Appendix E.31. Relative frequency histograms of bluegill captured by fyke netting in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



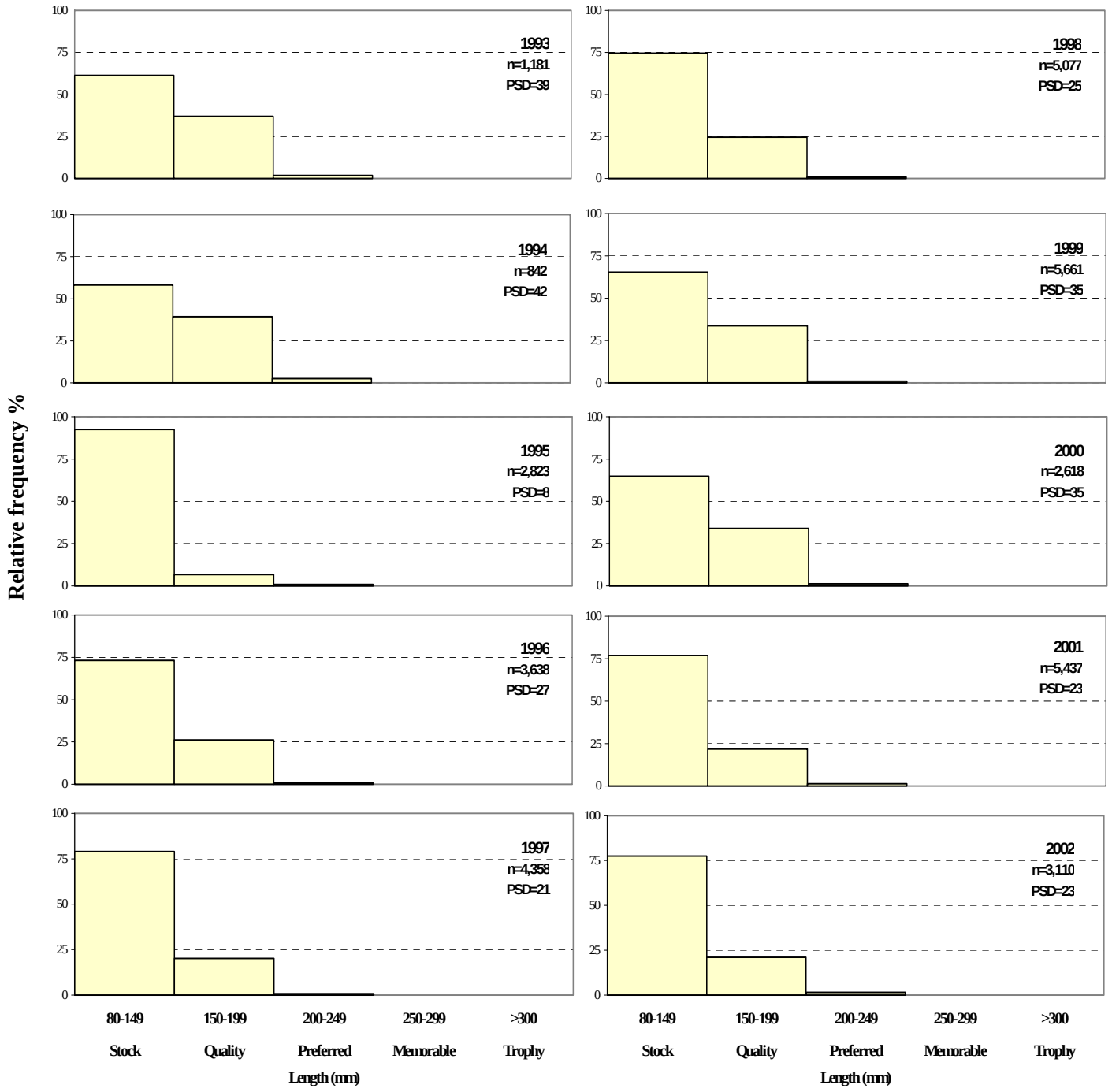
Appendix E.32. Relative frequency histograms of bluegill captured by fyke netting in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



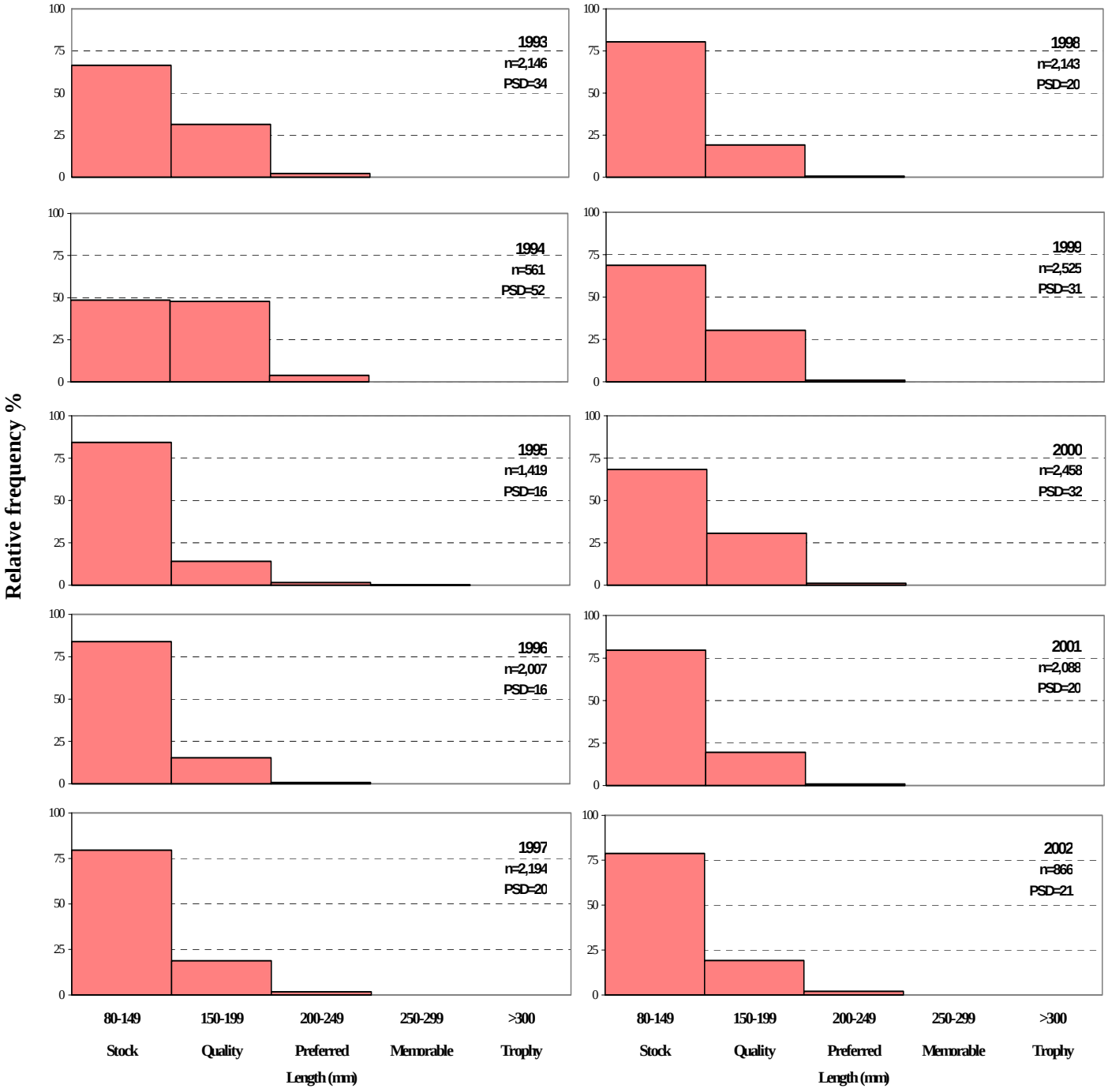
Appendix E.33. Relative frequency histograms of bluegill captured by all gear in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



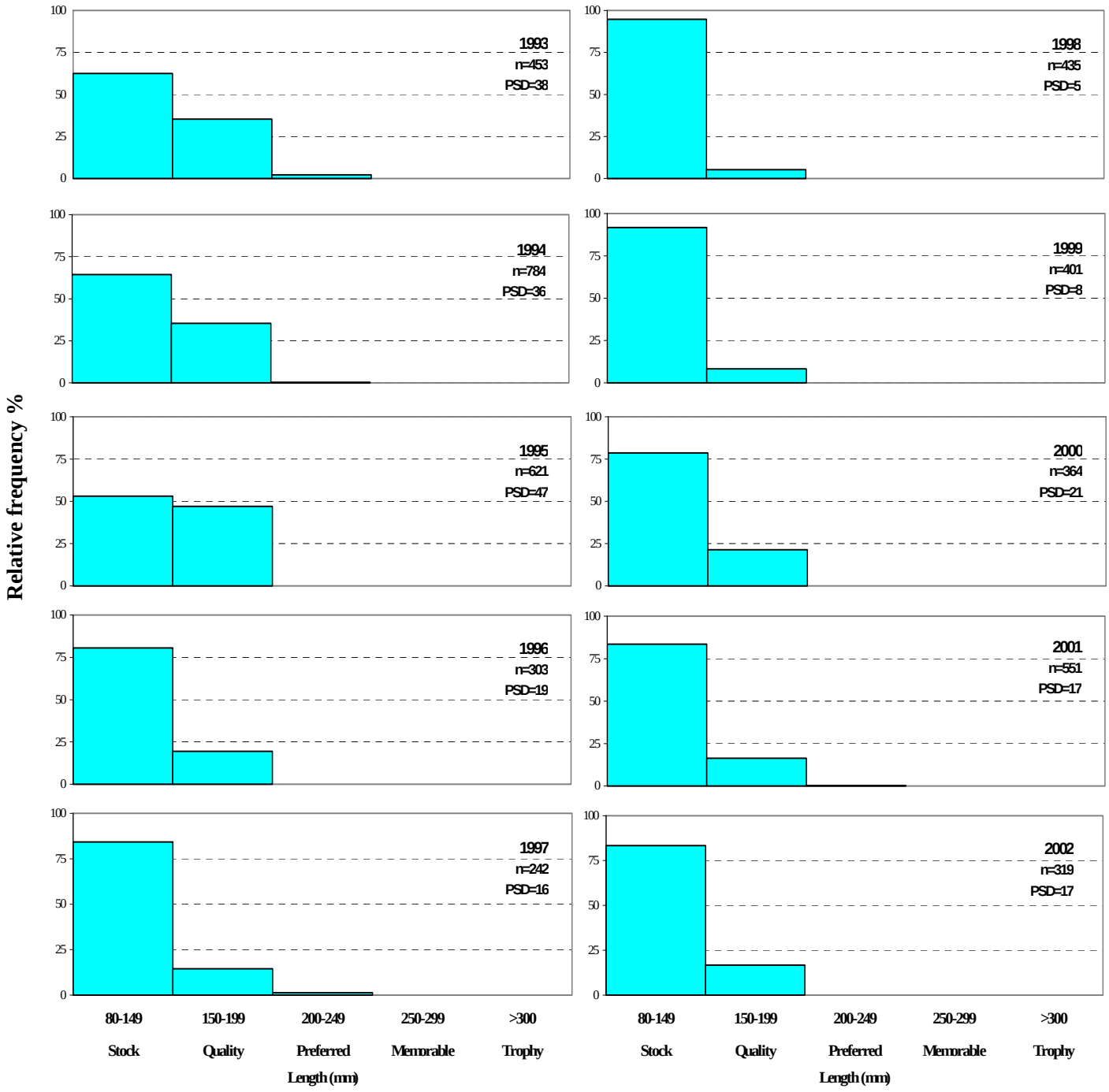
Appendix E.34. Relative frequency histograms of bluegill captured by all gear in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



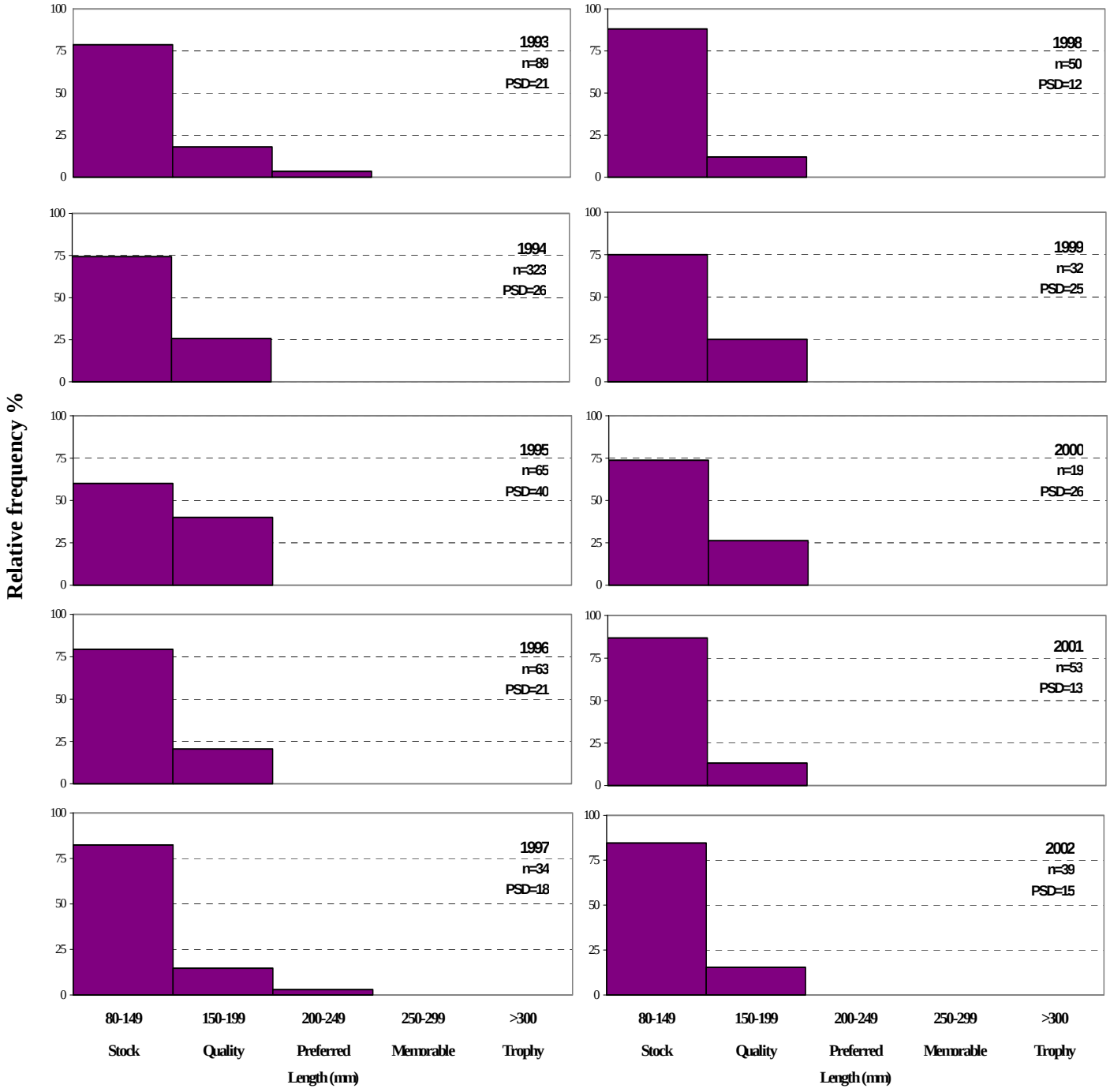
Appendix E.35. Relative frequency histograms of bluegill captured by all gear in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



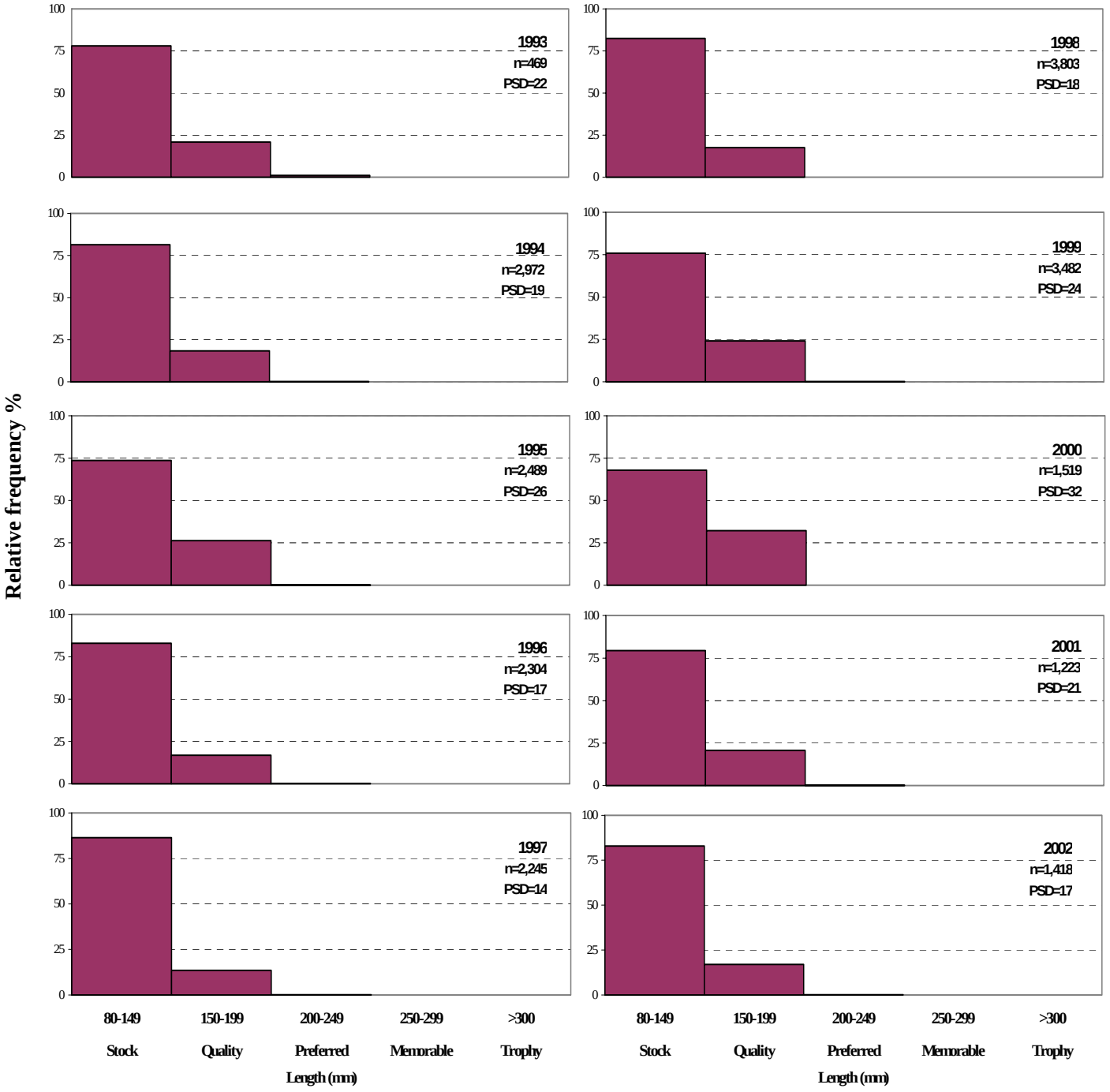
Appendix E.36. Relative frequency histograms of bluegill captured by all gear in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



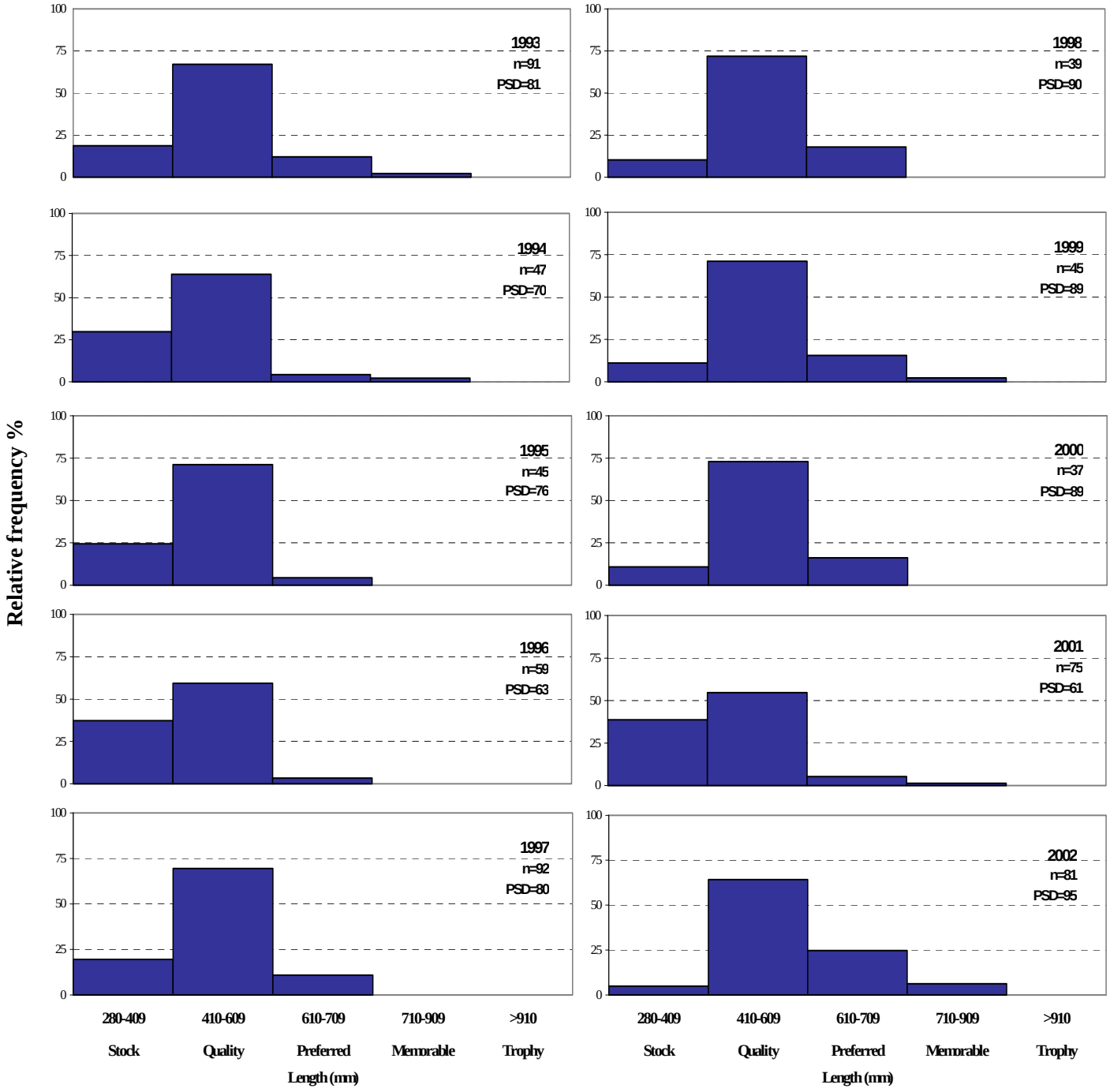
Appendix E.37. Relative frequency histograms of bluegill captured by all gear in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



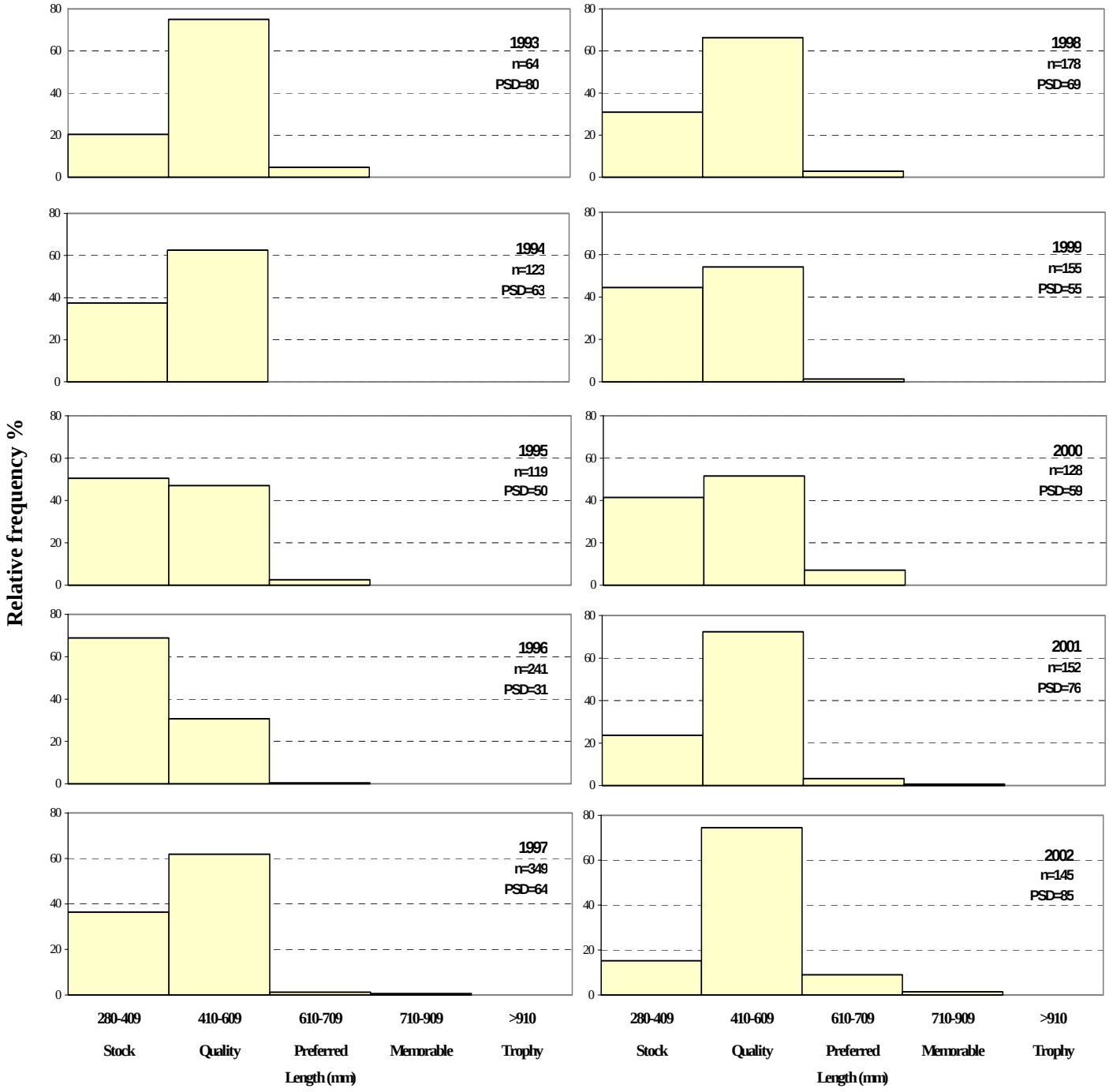
Appendix E.38. Relative frequency histograms of bluegill captured by all gear in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



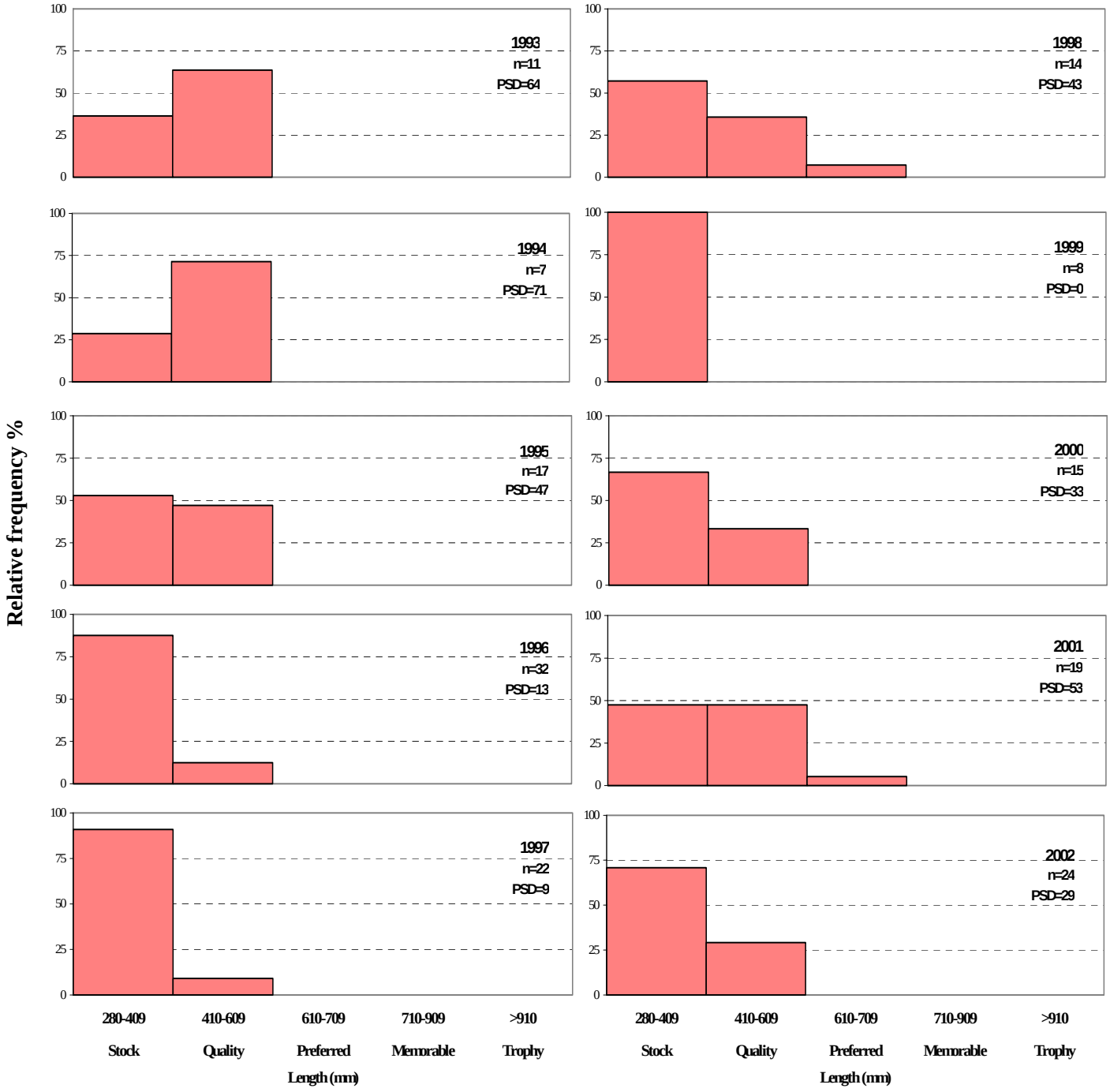
Appendix E.39. Relative frequency histograms of channel catfish captured by large hoop netting in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



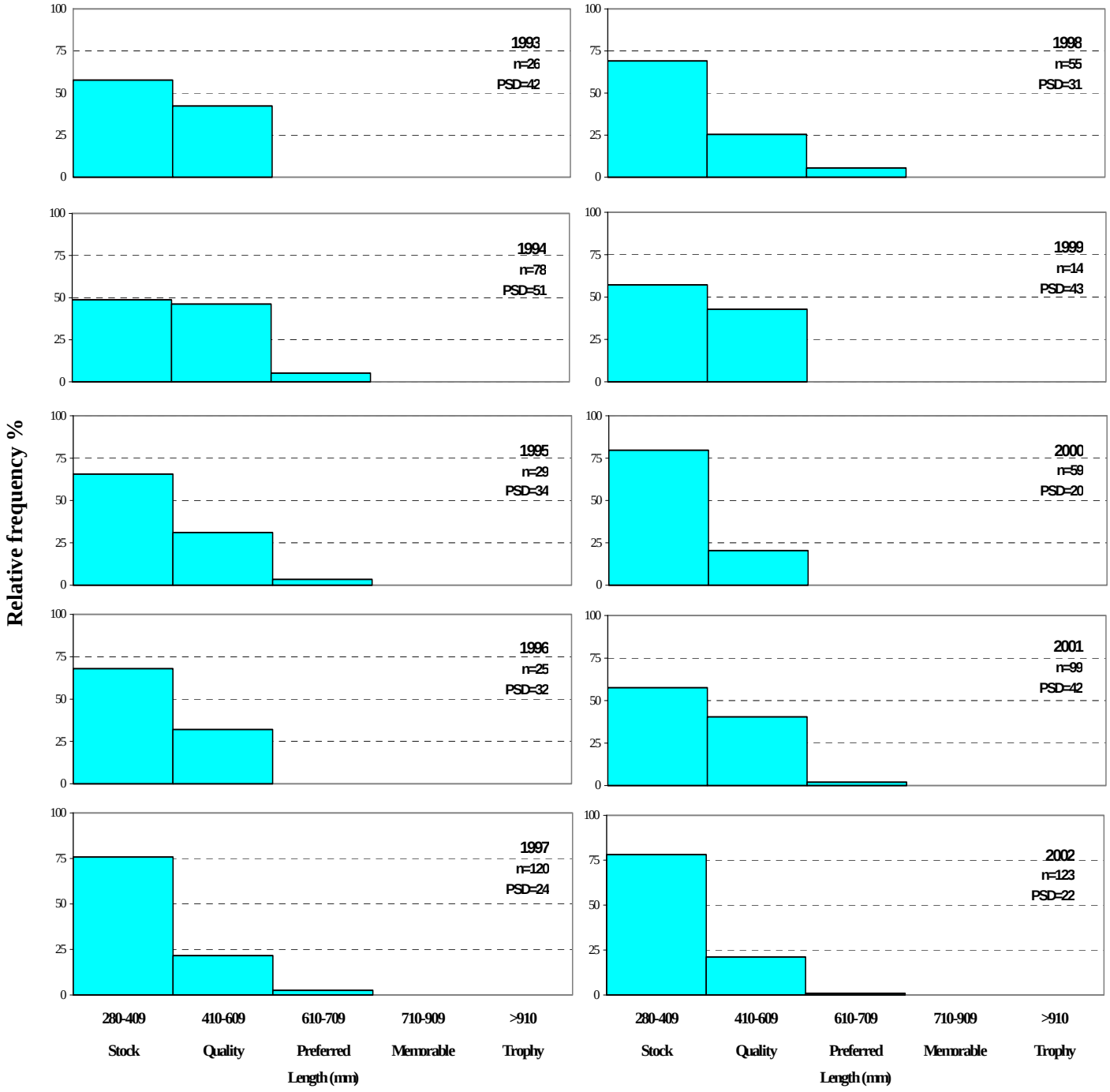
Appendix E.40. Relative frequency histograms of channel catfish captured by large hoop netting in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



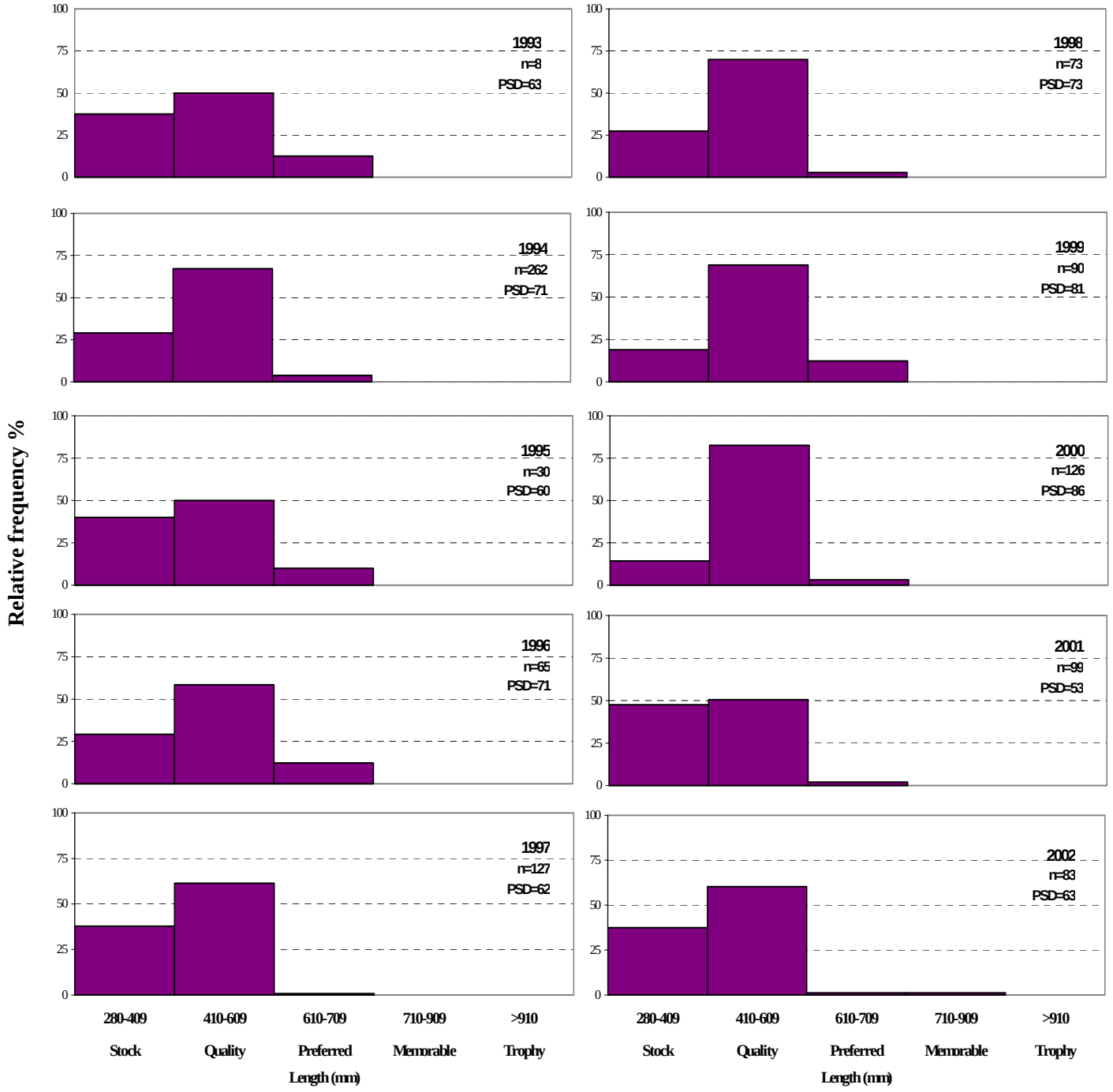
Appendix E.41. Relative frequency histograms of channel catfish captured by large hoop netting in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



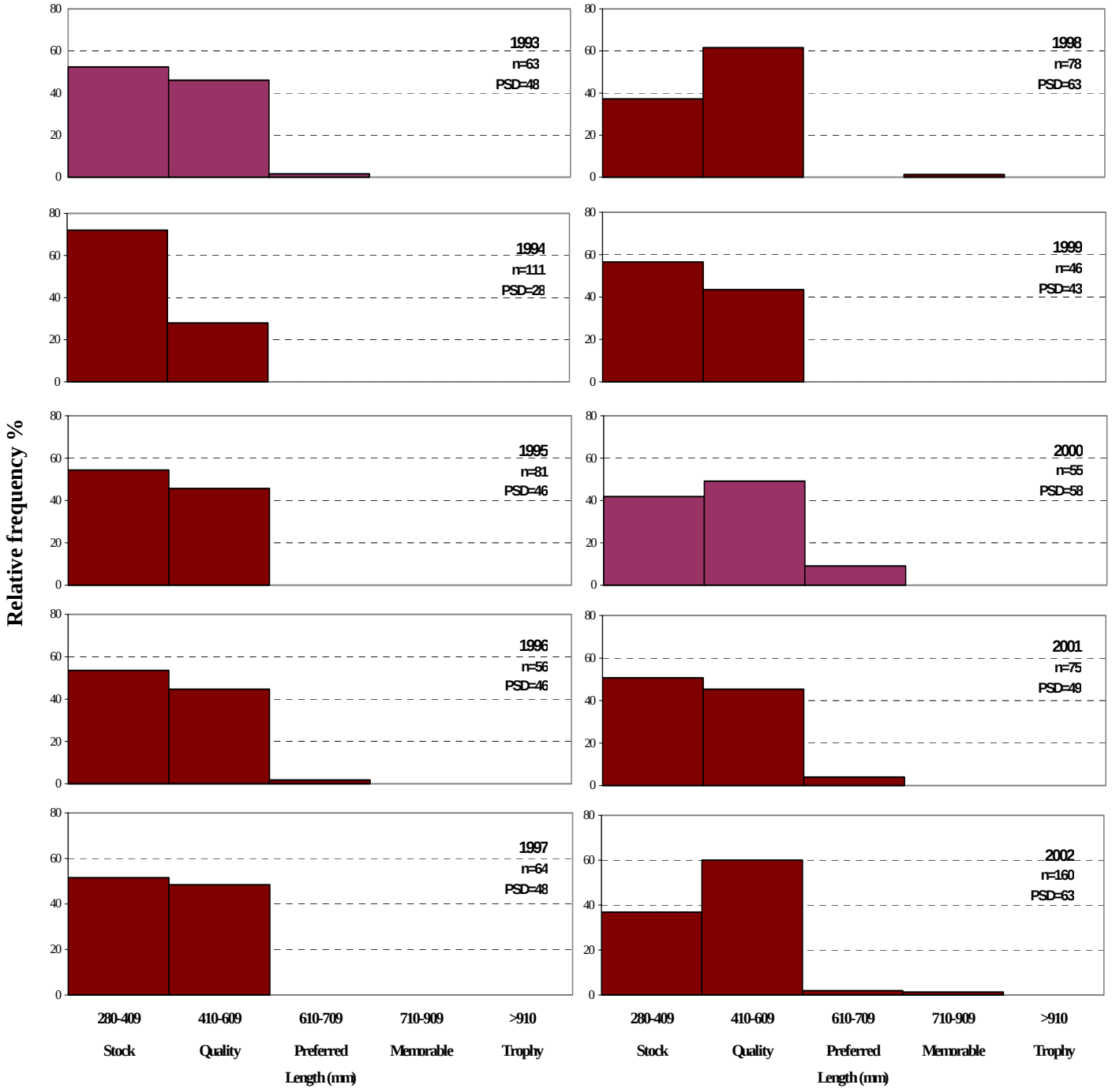
Appendix E.42. Relative frequency histograms of channel catfish captured by large hoop netting in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



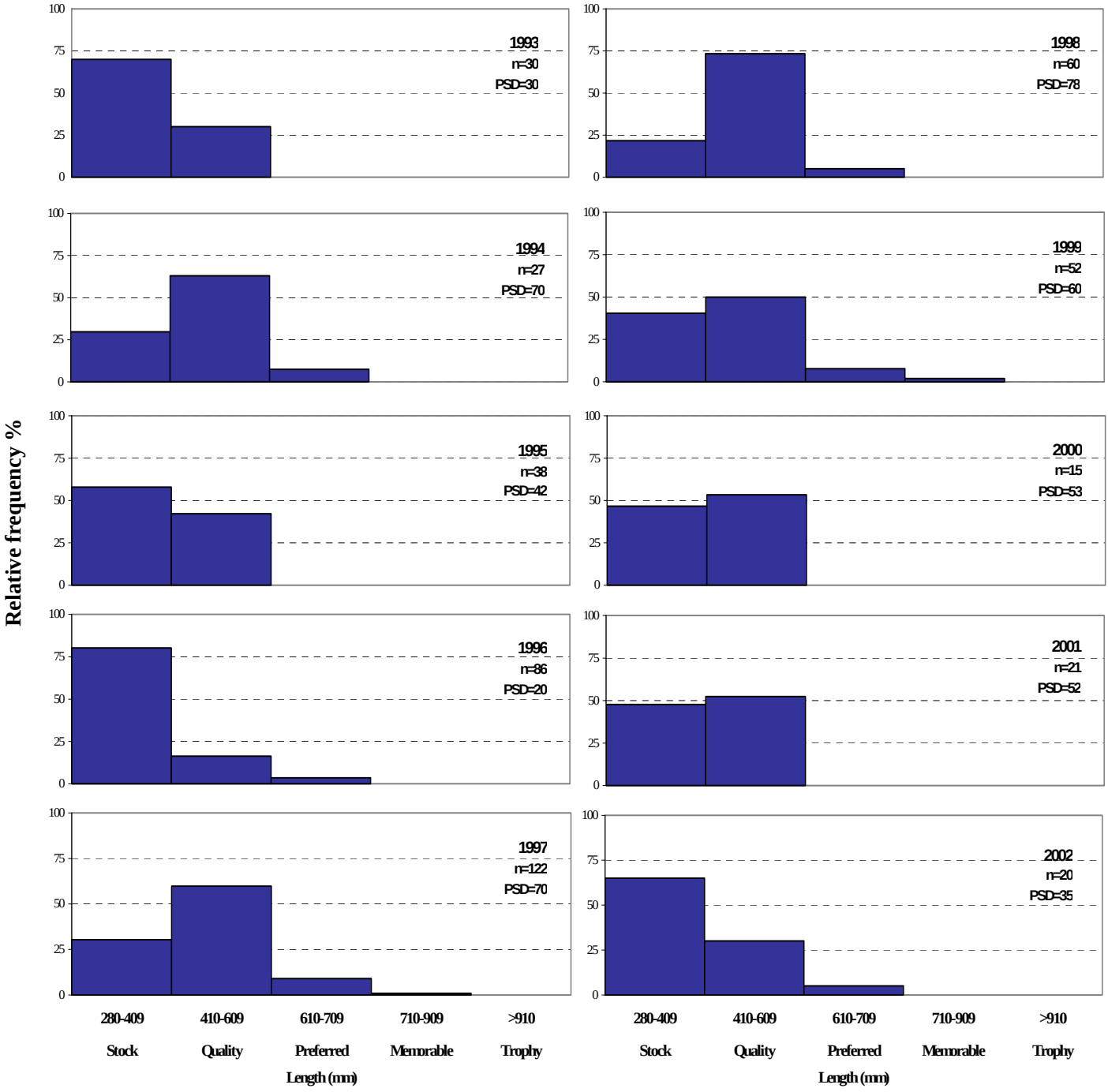
Appendix E.43. Relative frequency histograms of channel catfish captured by large hoop netting in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



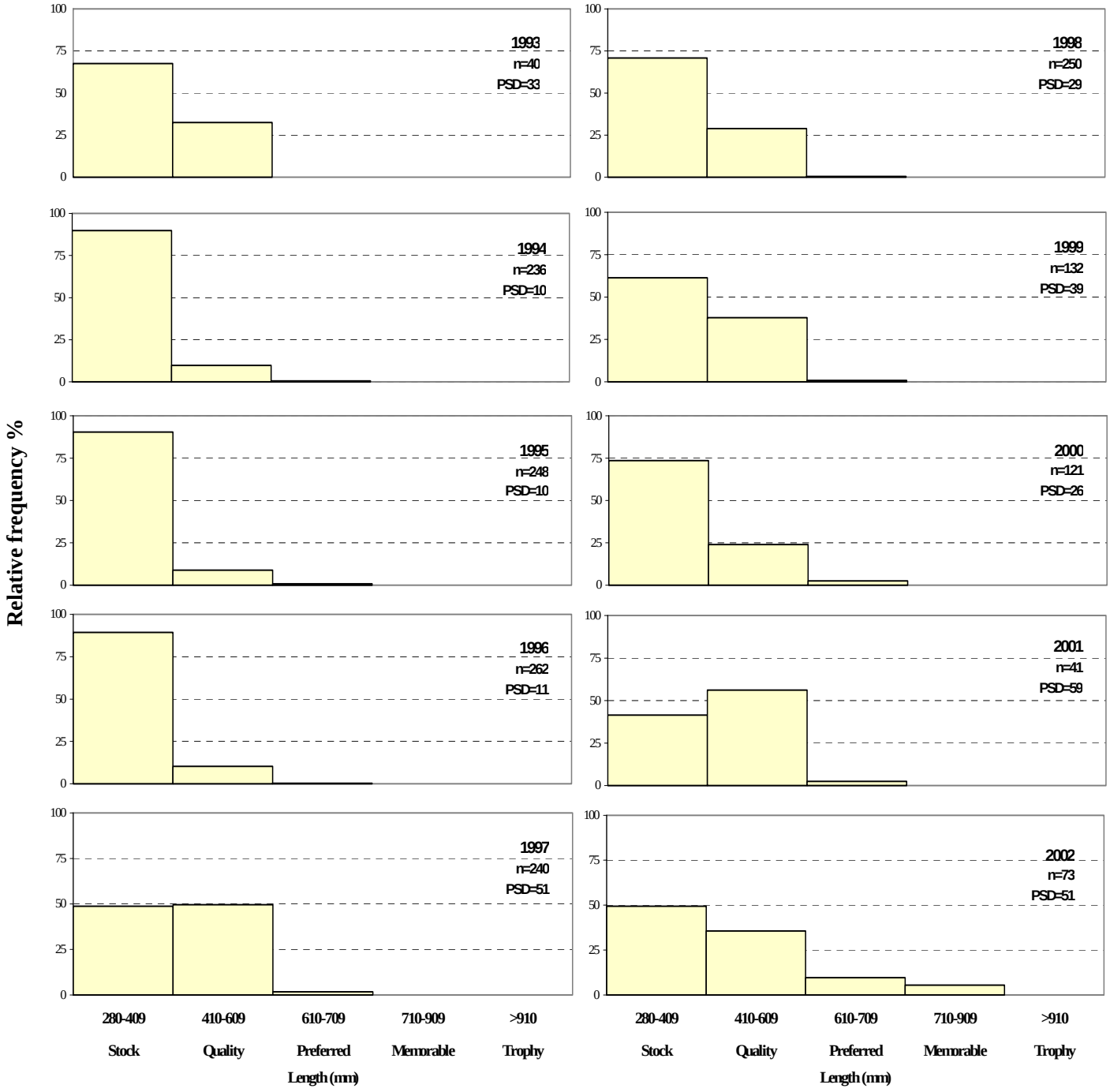
Appendix E.44. Relative frequency histograms of channel catfish captured by large hoop netting in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



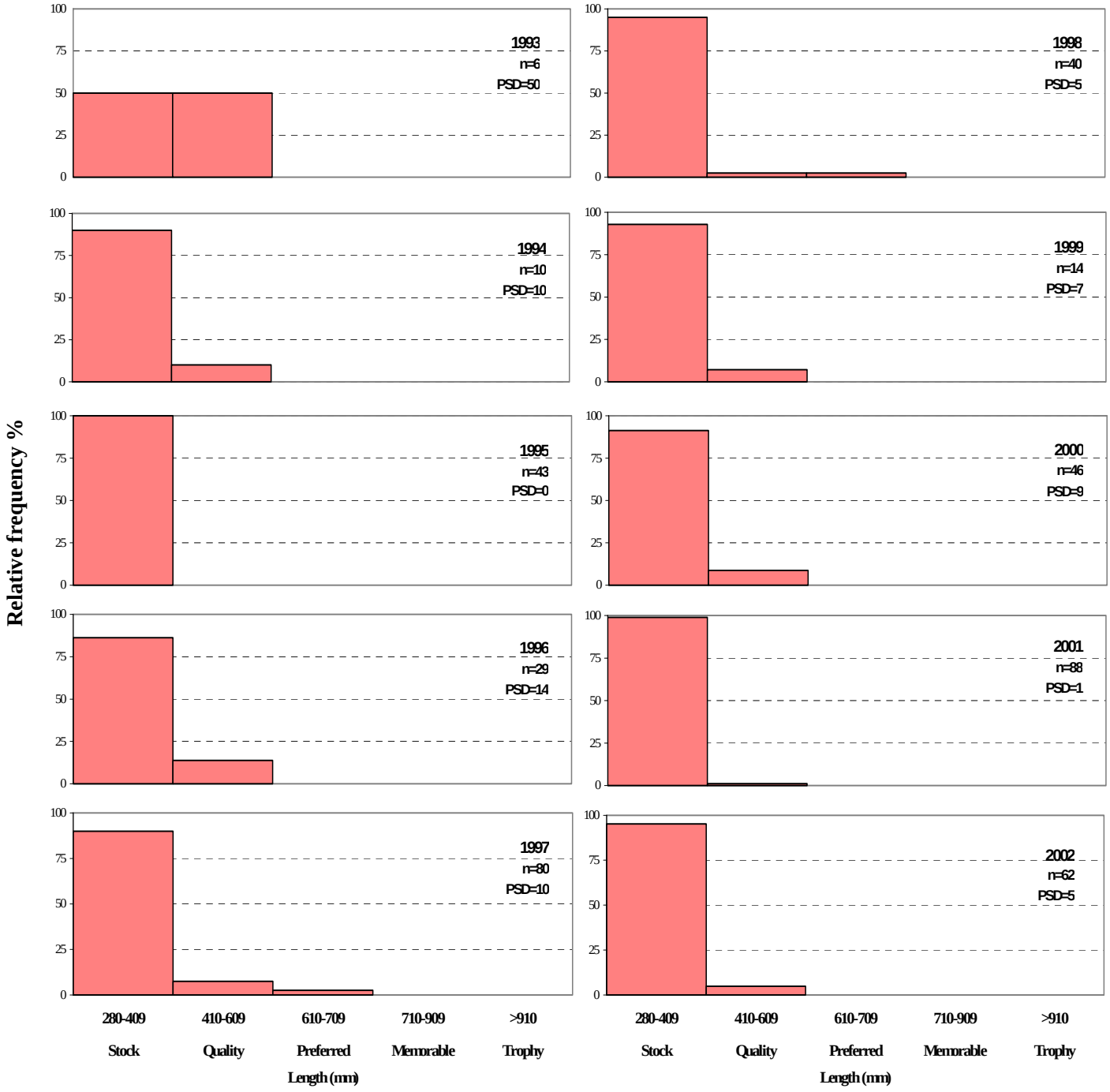
Appendix E.45. Relative frequency histograms of channel catfish captured by small hoop netting in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



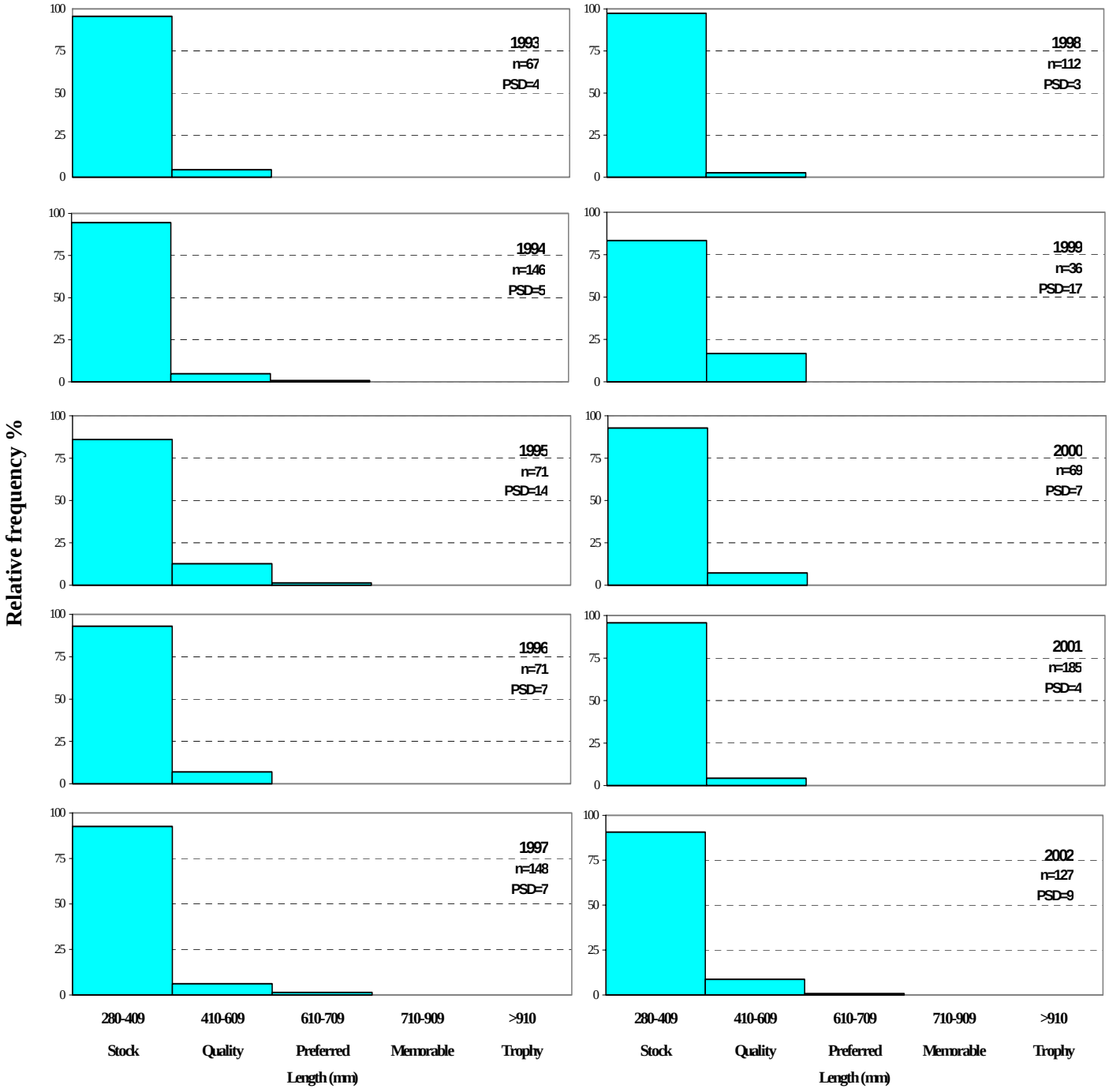
Appendix E.46. Relative frequency histograms of channel catfish captured by small hoop netting in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



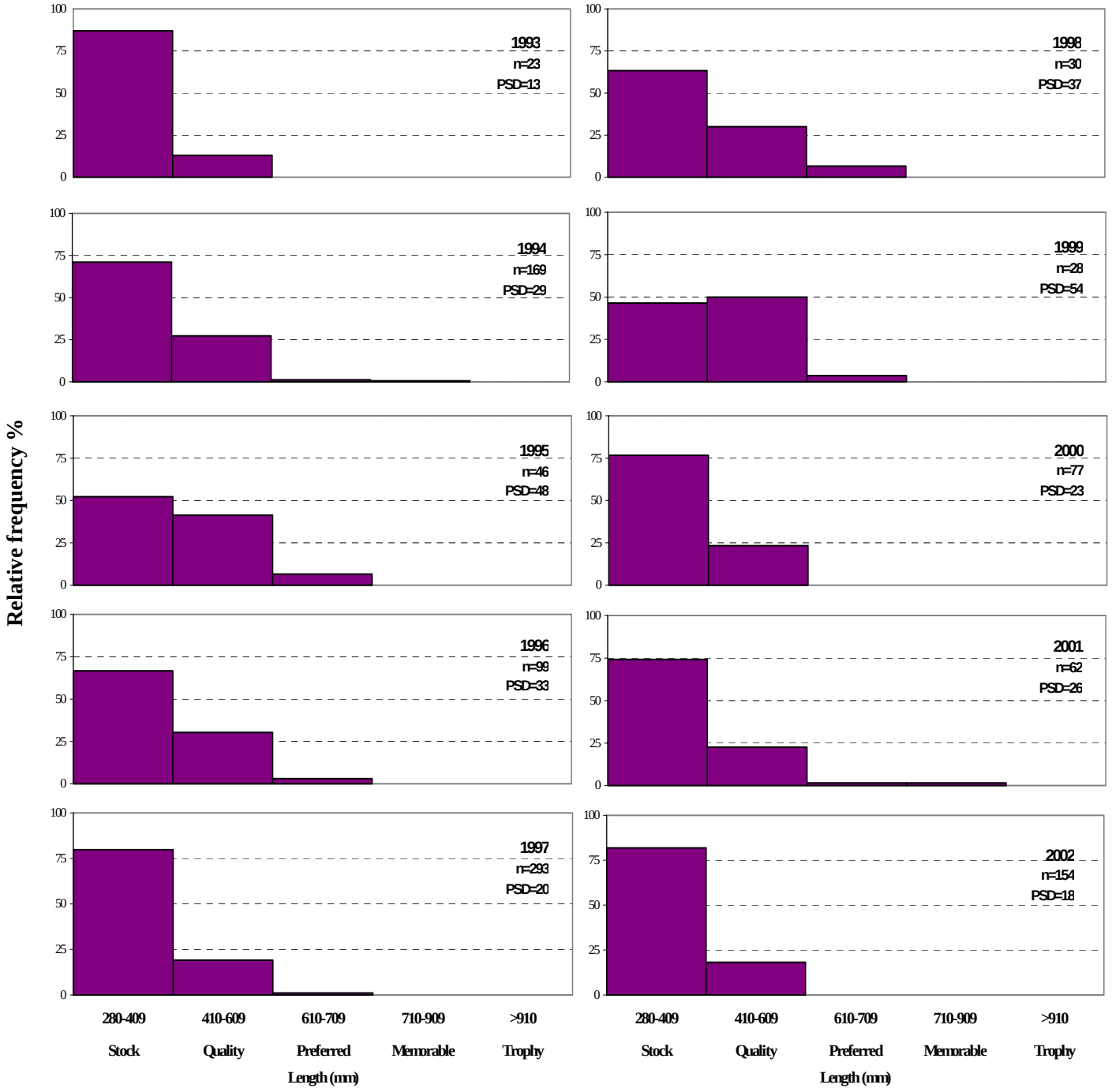
Appendix E.47. Relative frequency histograms of channel catfish captured by small hoop netting in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



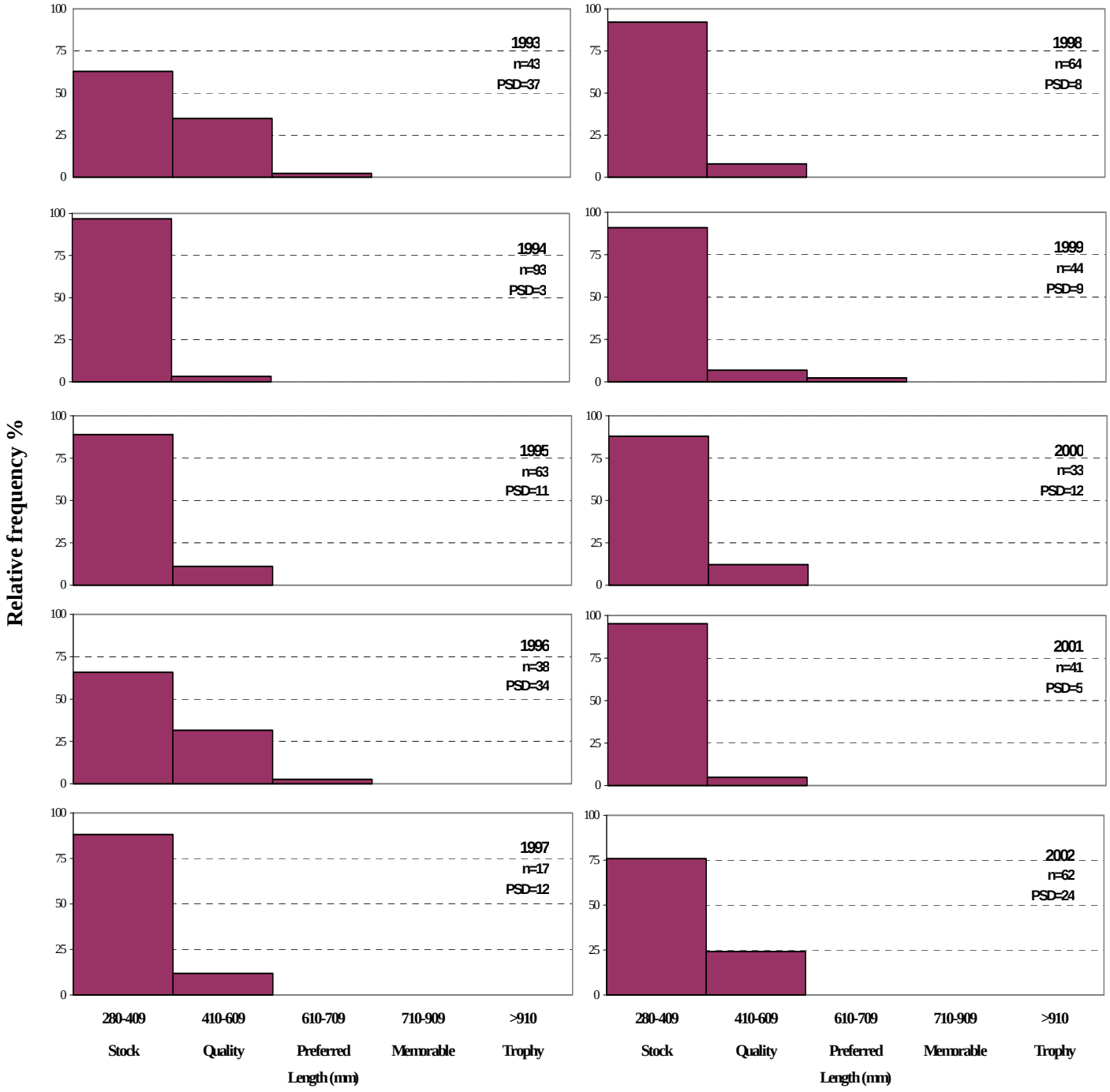
Appendix E.48. Relative frequency histograms of channel catfish captured by small hoop netting in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



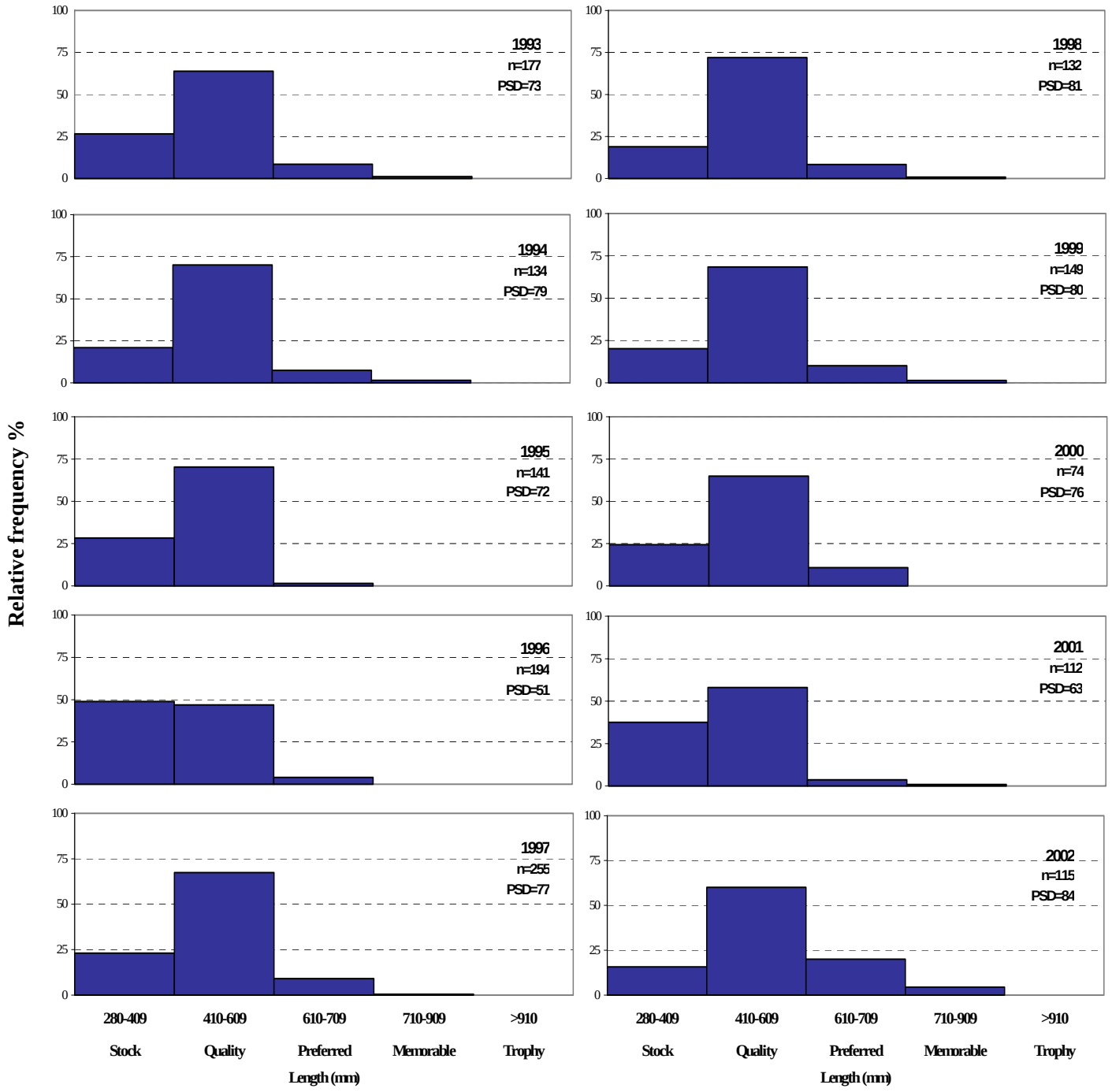
Appendix E.49. Relative frequency histograms of channel catfish captured by small hoop netting in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



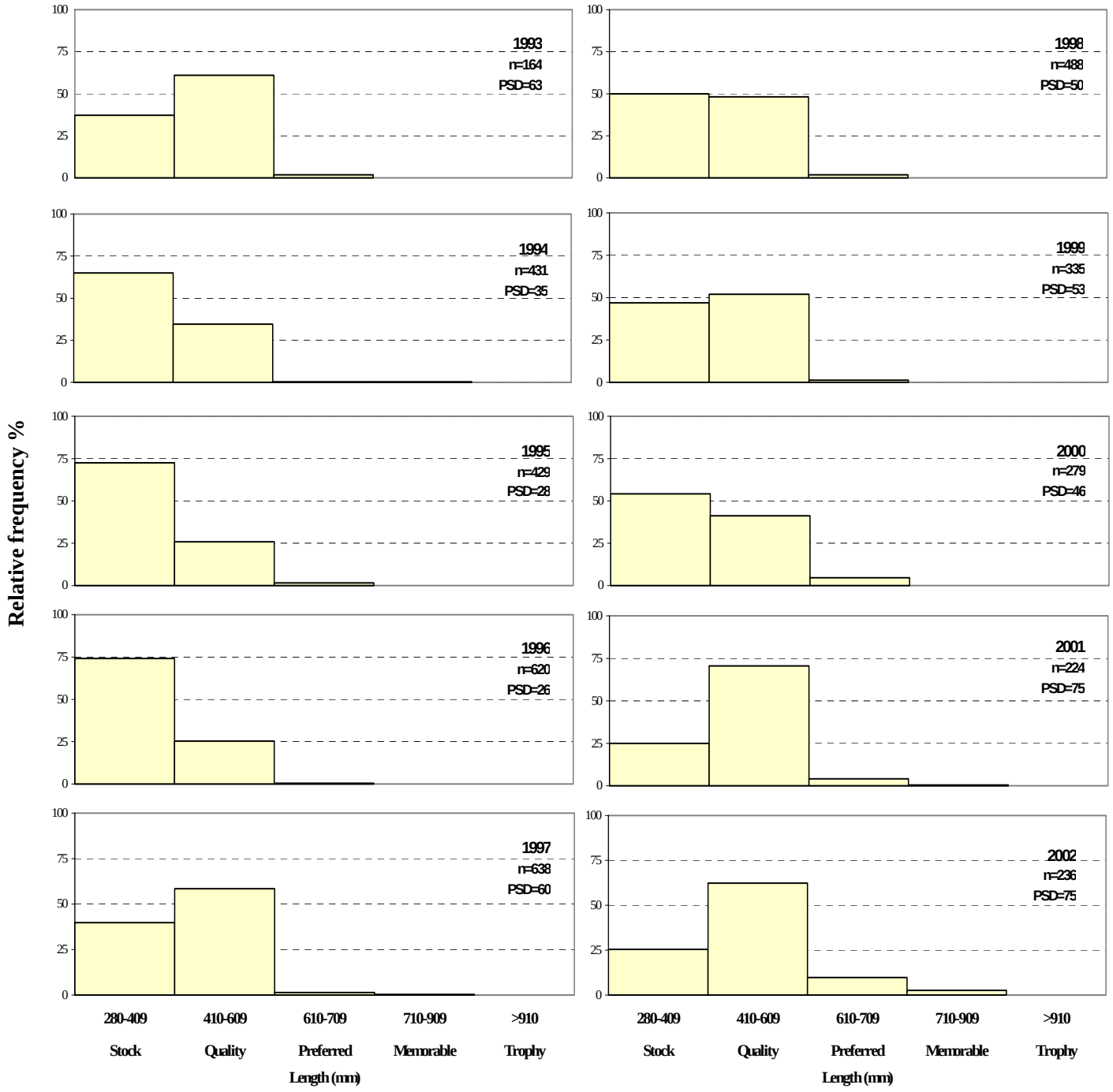
Appendix E.50. Relative frequency histograms of channel catfish captured by small hoop netting in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



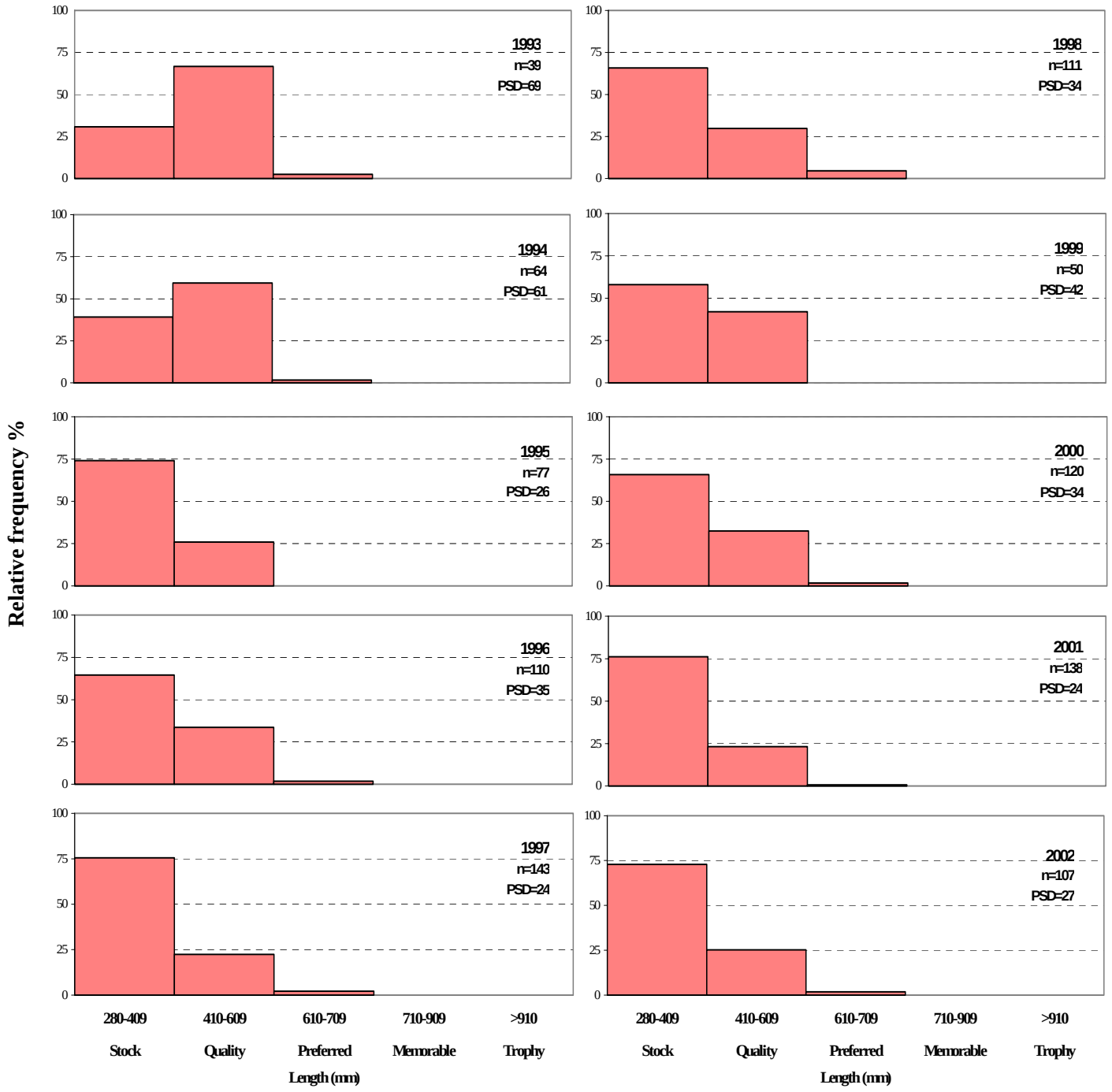
Appendix E.51. Relative frequency histograms of channel catfish captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



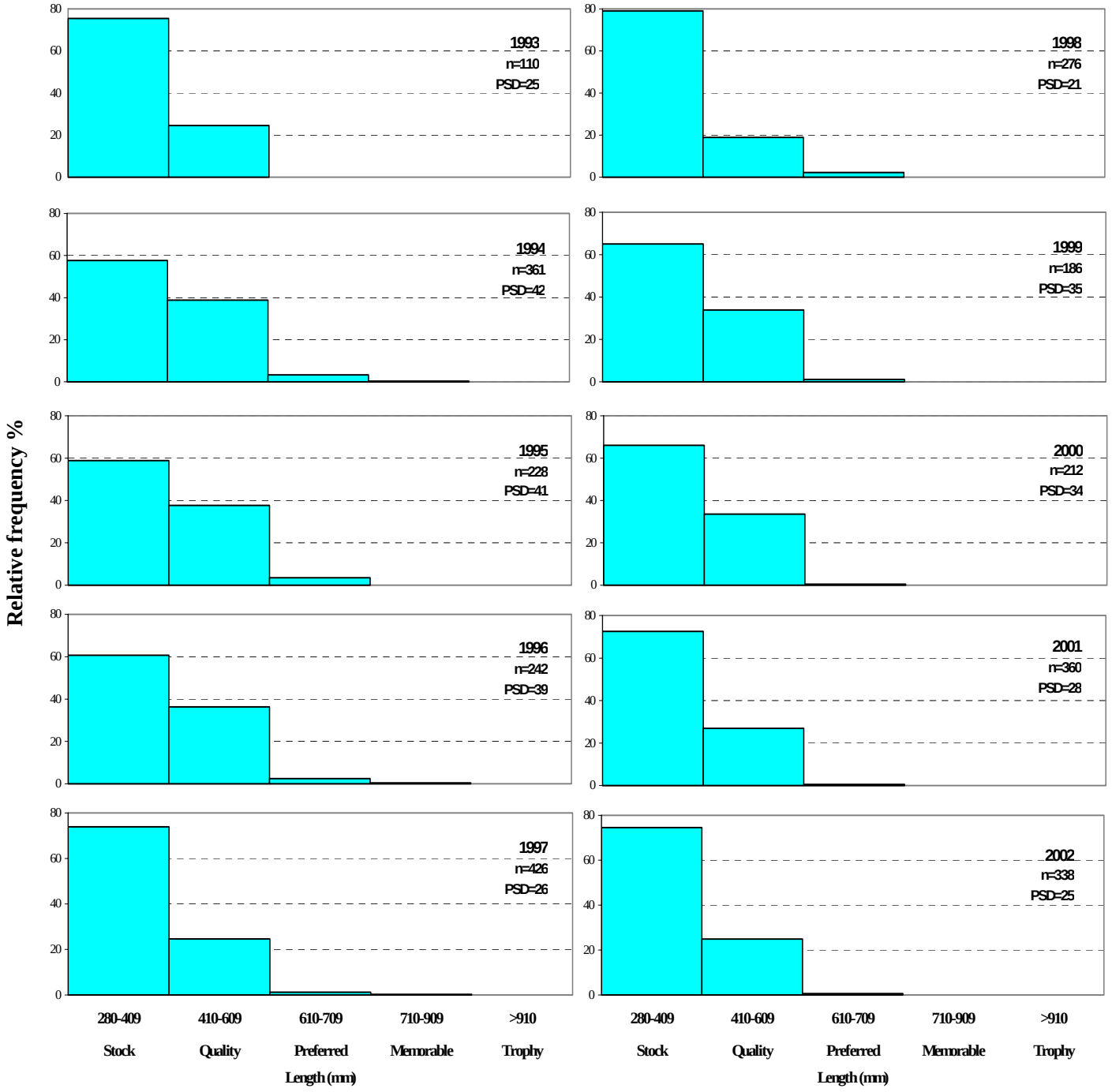
Appendix E.52. Relative frequency histograms of channel catfish captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



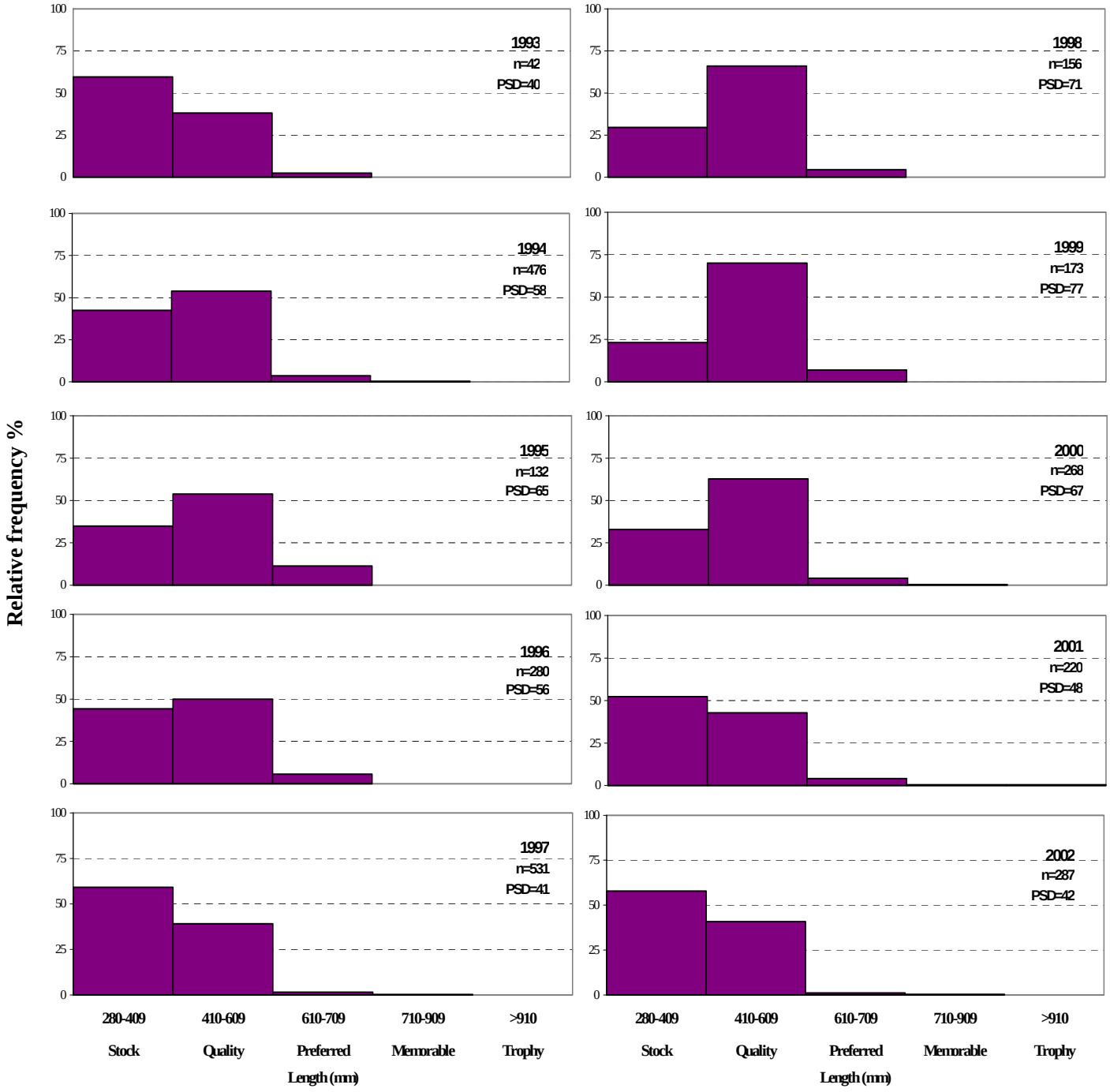
Appendix E.53. Relative frequency histograms of channel catfish captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



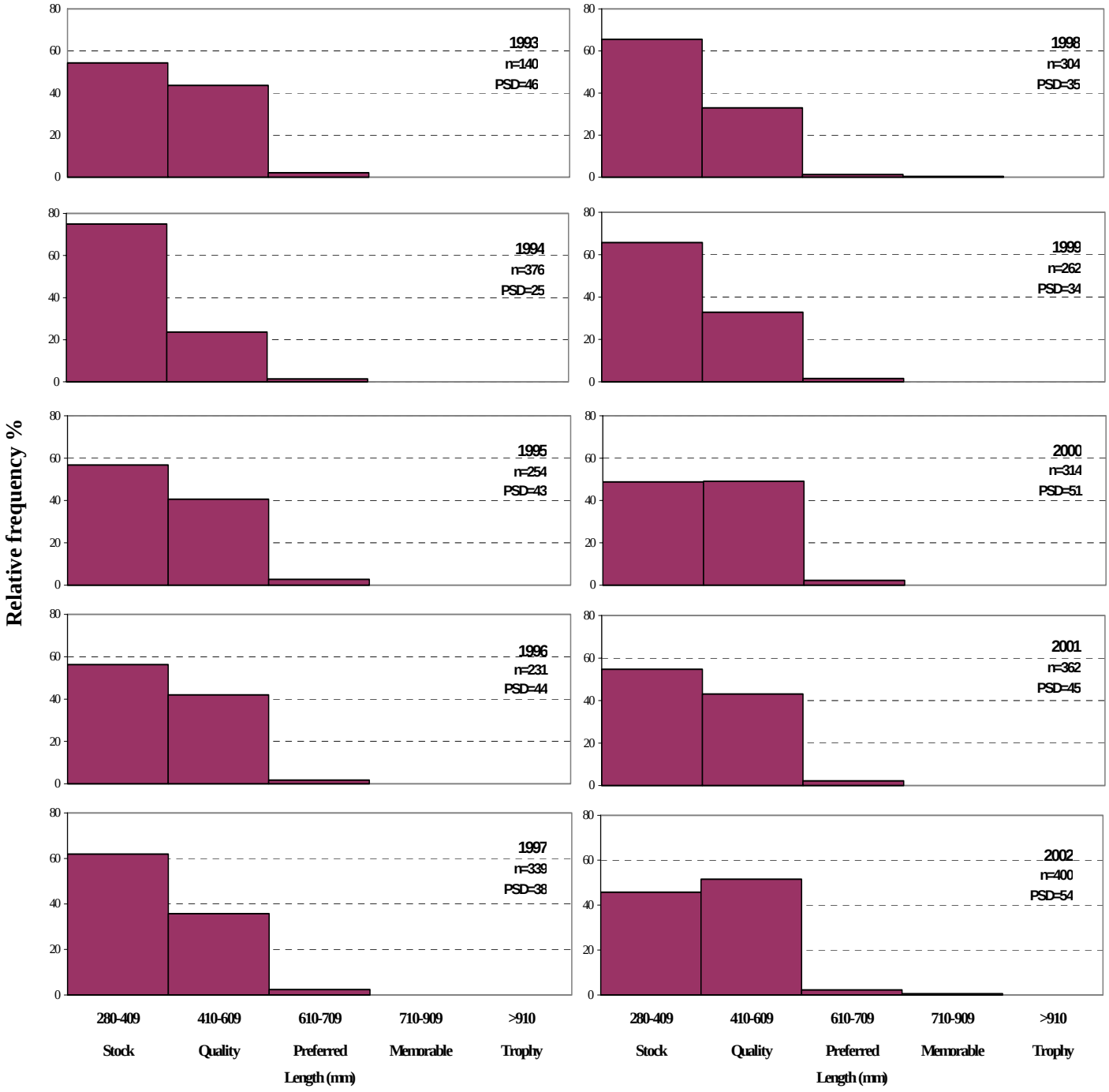
Appendix E.54. Relative frequency histograms of channel catfish captured by all gears in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



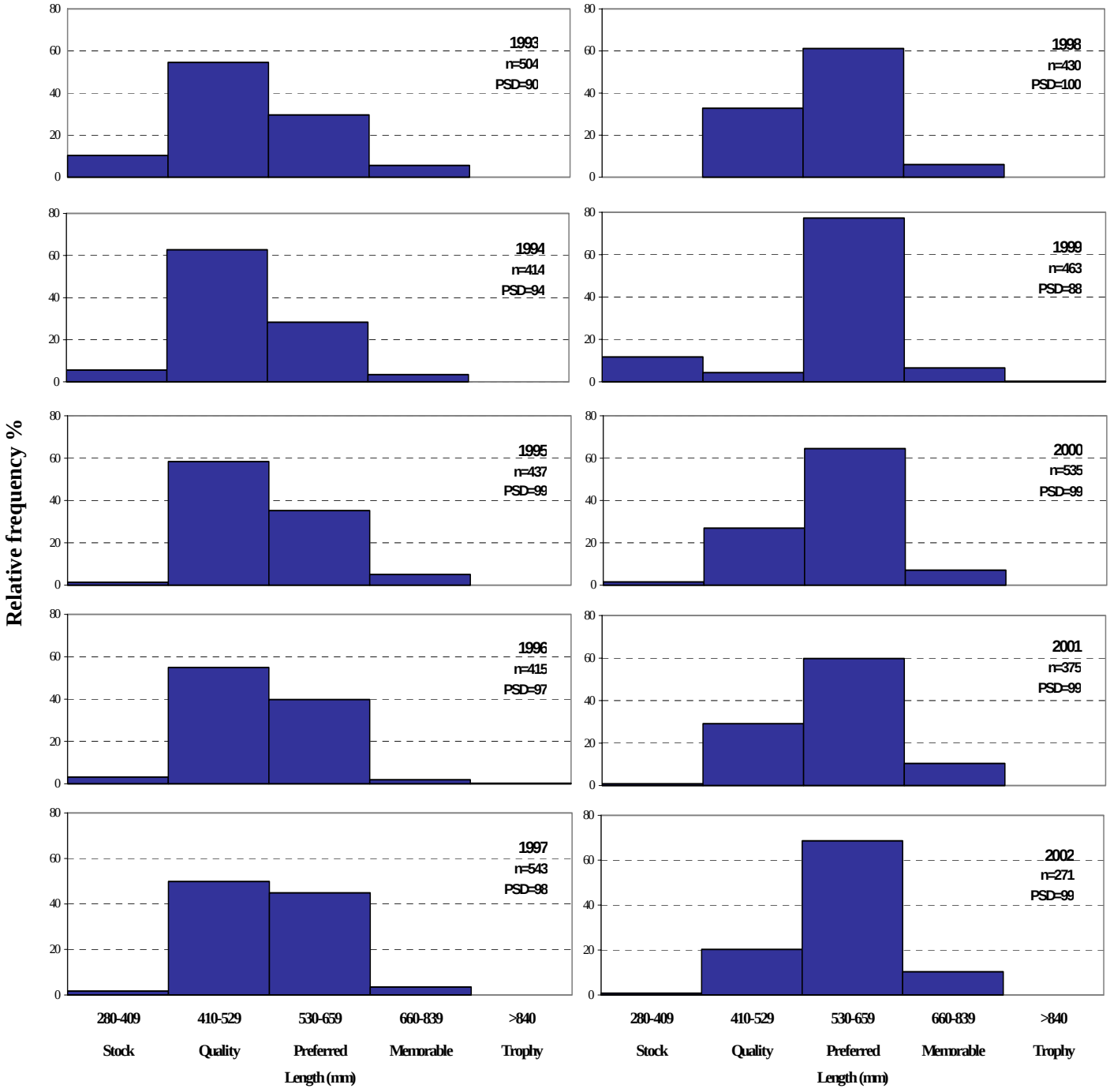
Appendix E.55. Relative frequency histograms of channel catfish captured by all gears in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



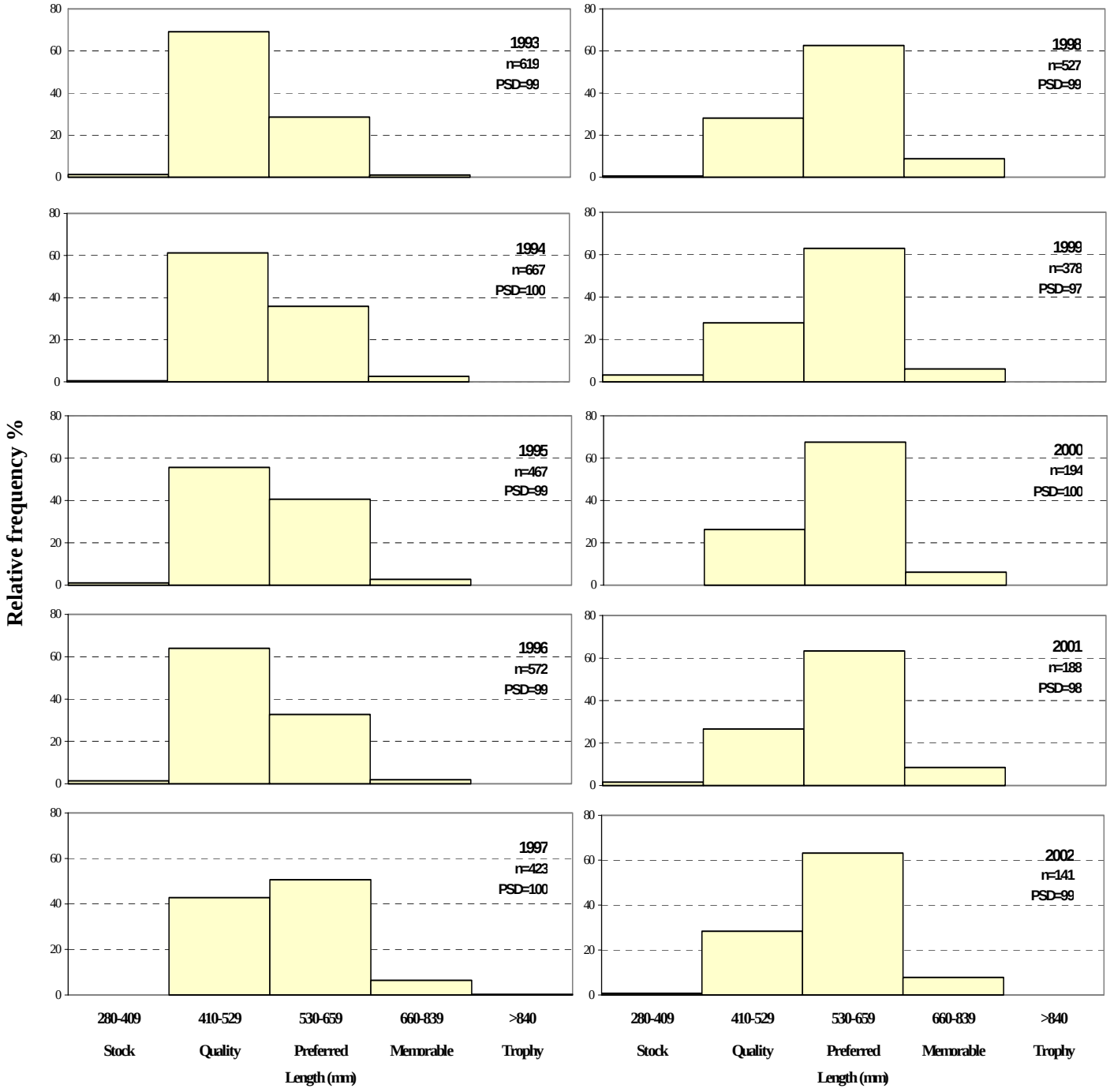
Appendix E.56. Relative frequency histograms of channel catfish captured by all gears in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



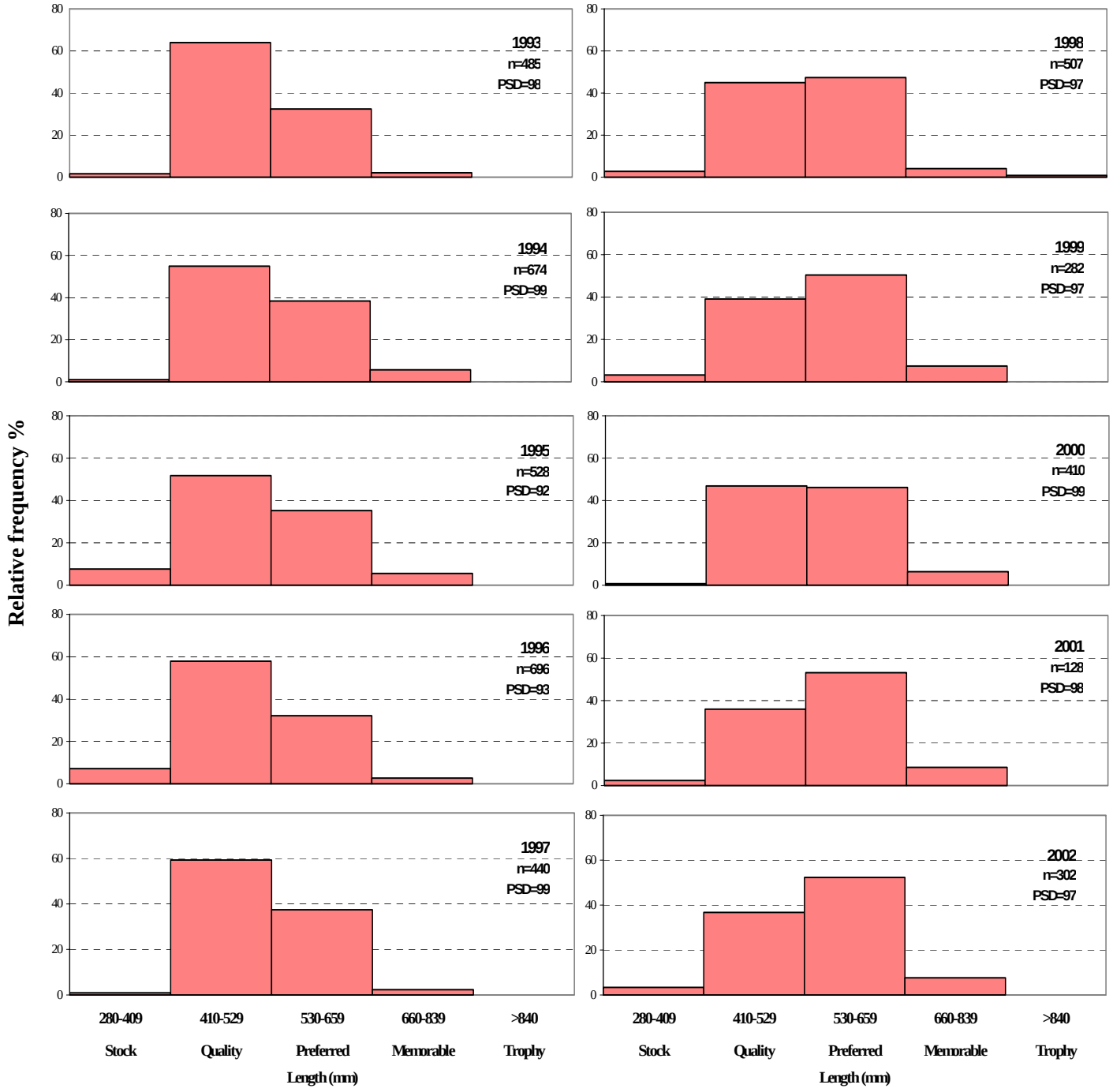
Appendix E.57. Relative frequency histograms of common carp captured by day electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



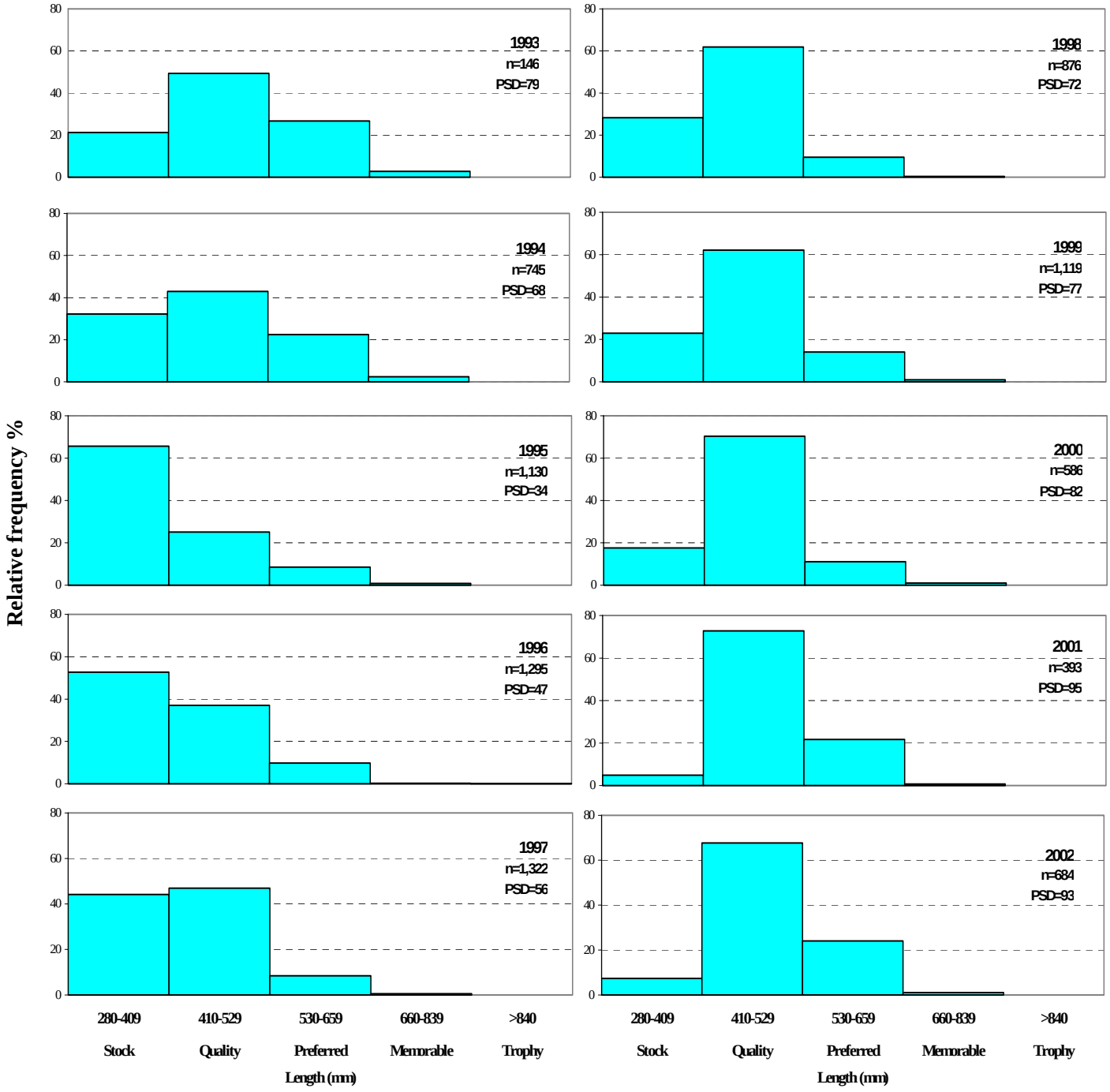
Appendix E.58. Relative frequency histograms of common carp captured by day electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



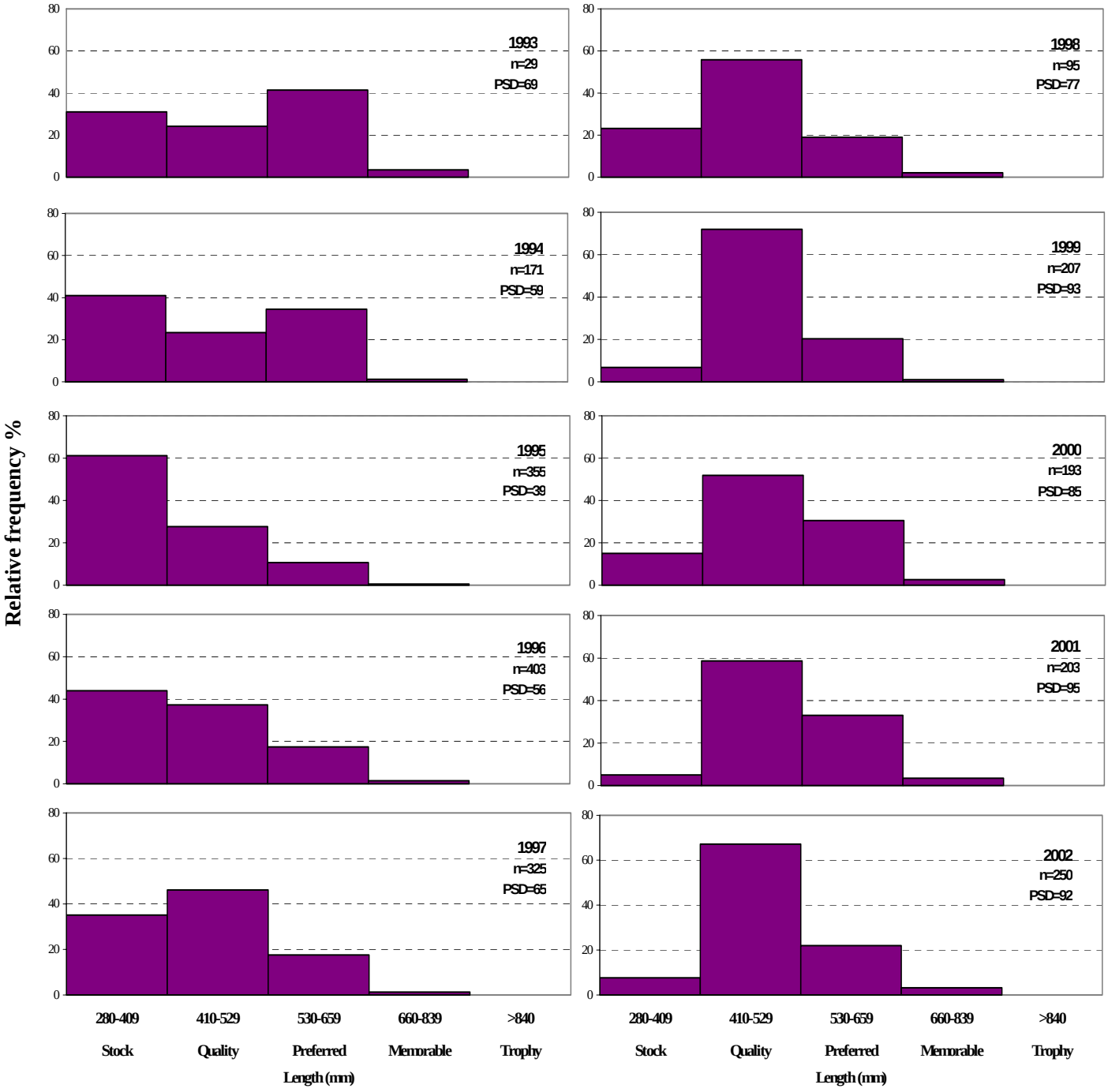
Appendix E.59. Relative frequency histograms of common carp captured by day electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



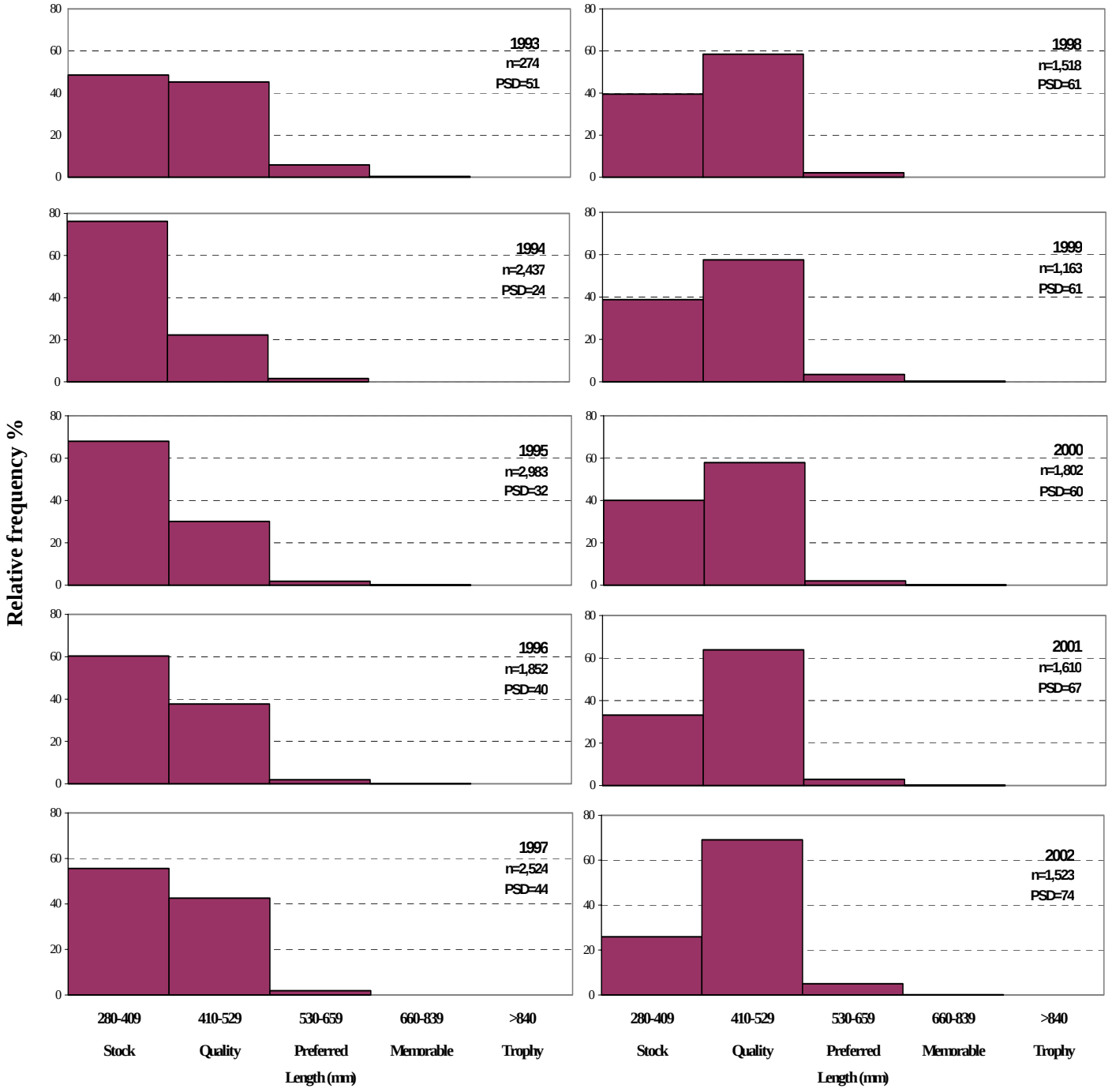
Appendix E.60. Relative frequency histograms of common carp captured by day electrofishing in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



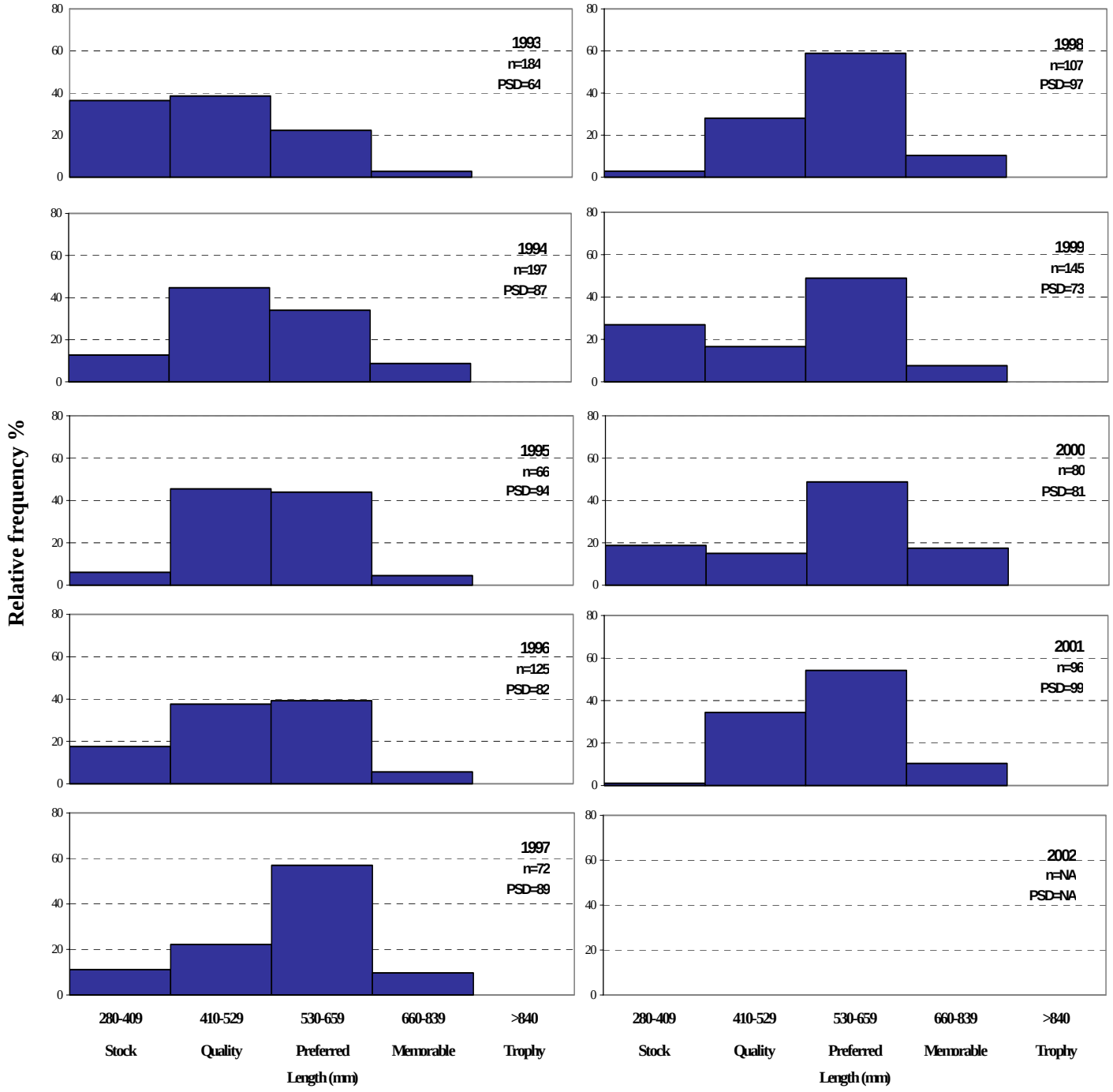
Appendix E.61. Relative frequency histograms of common carp captured by day electrofishing in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



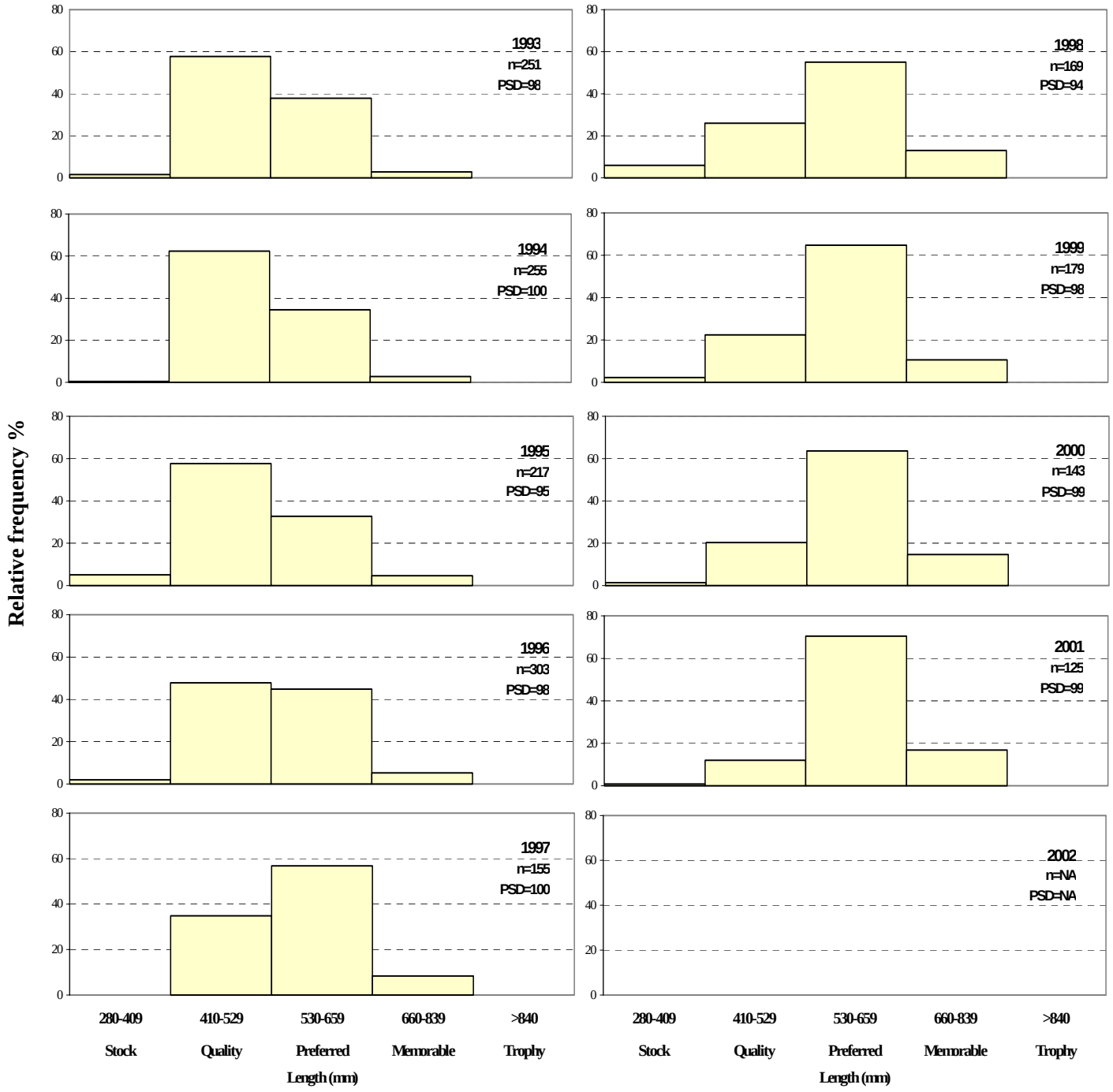
Appendix E.62. Relative frequency histograms of common carp captured by day electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



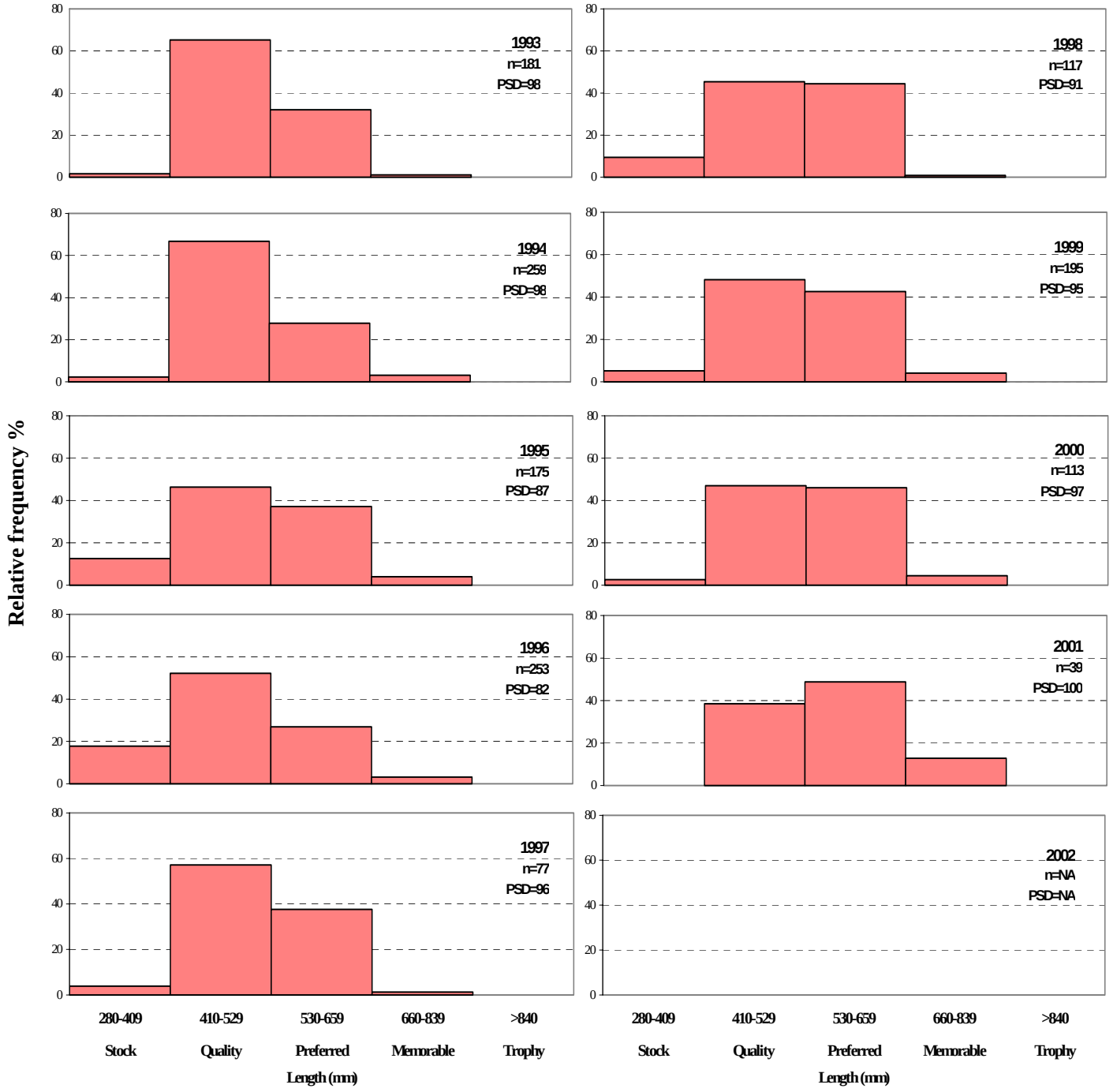
Appendix E.63. Relative frequency histograms of common carp captured by night electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



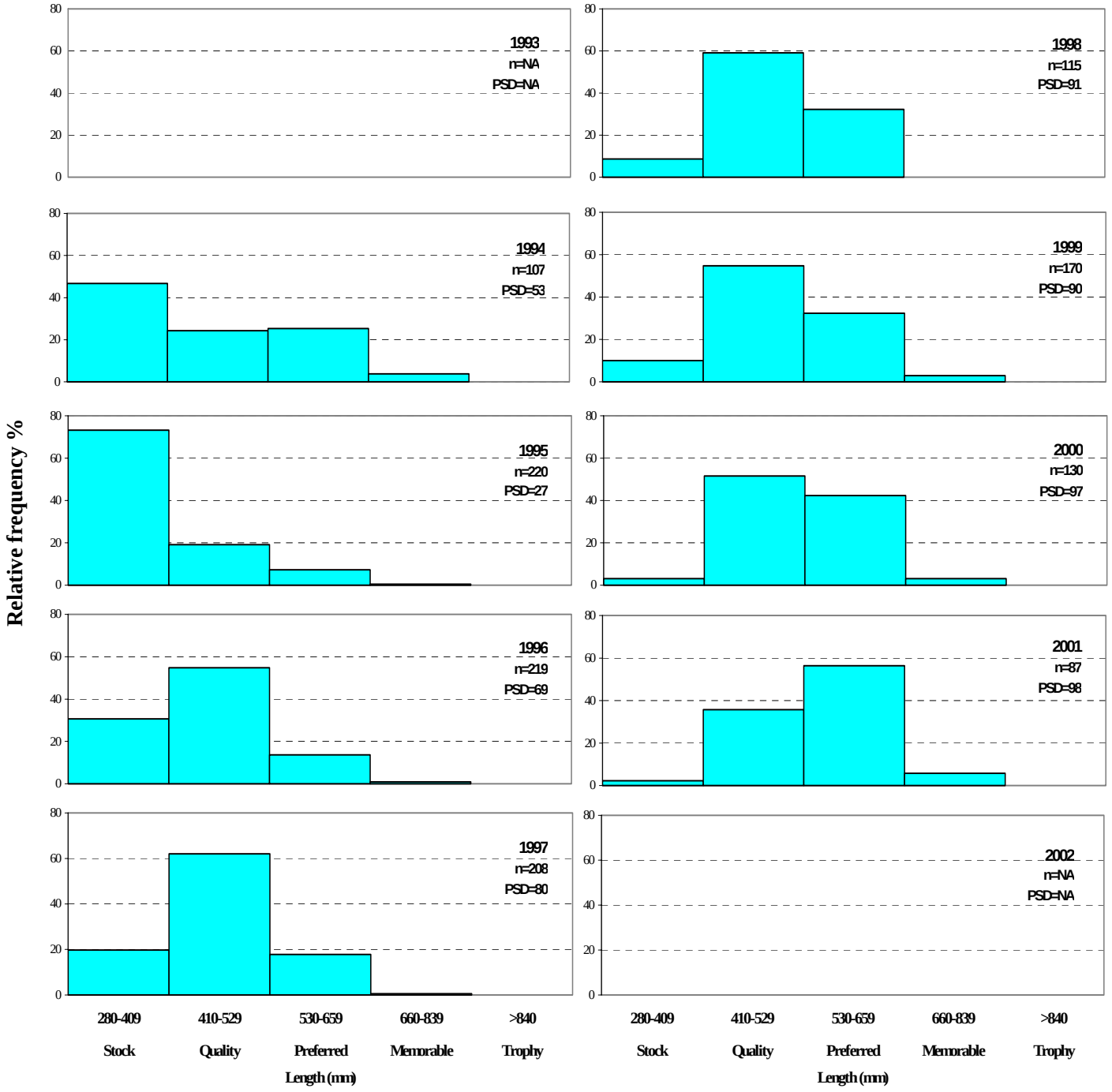
Appendix E.64. Relative frequency histograms of common carp captured by night electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



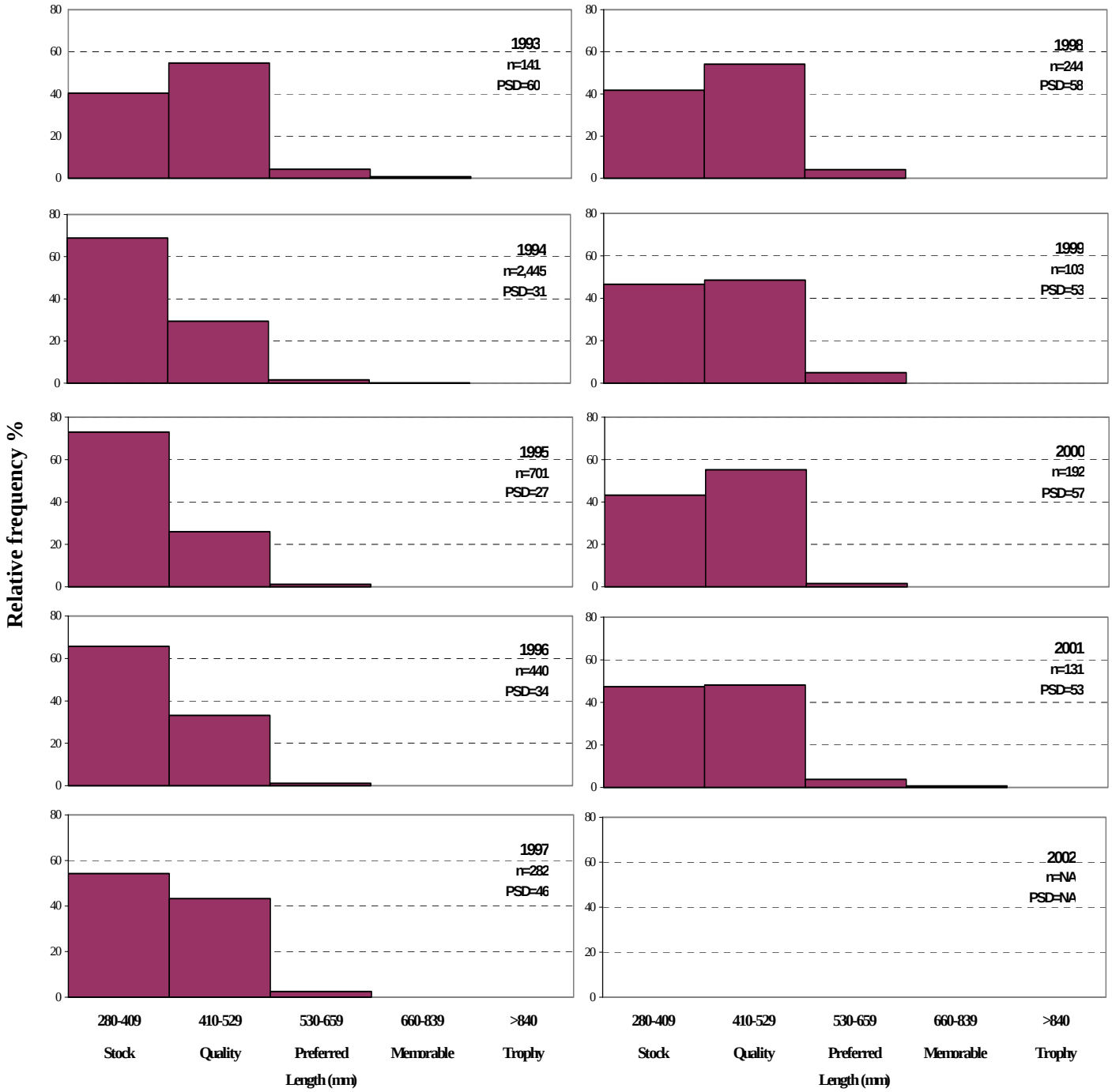
Appendix E.65. Relative frequency histograms of common carp captured by night electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



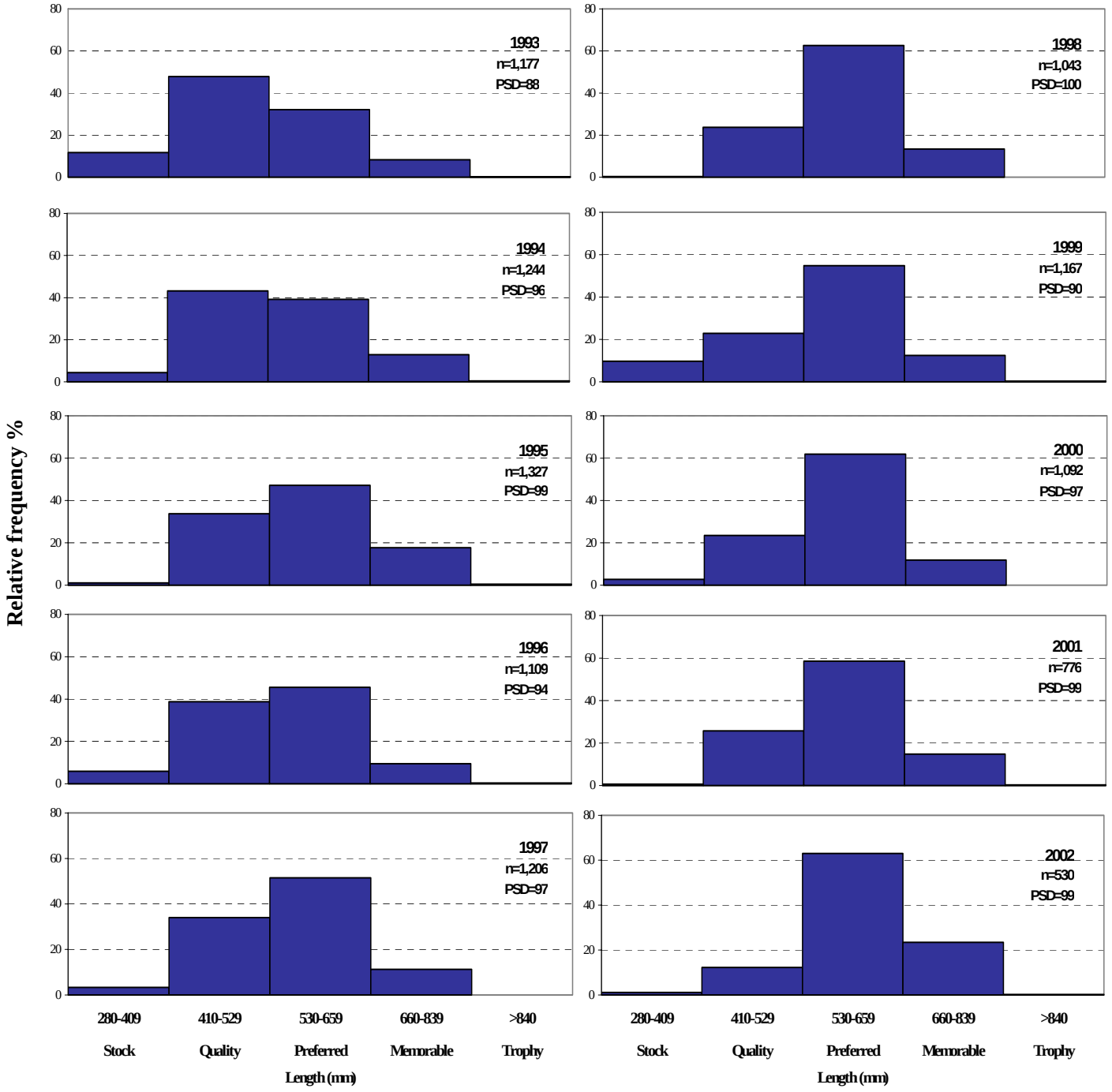
Appendix E.66. Relative frequency histograms of common carp captured by night electrofishing in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



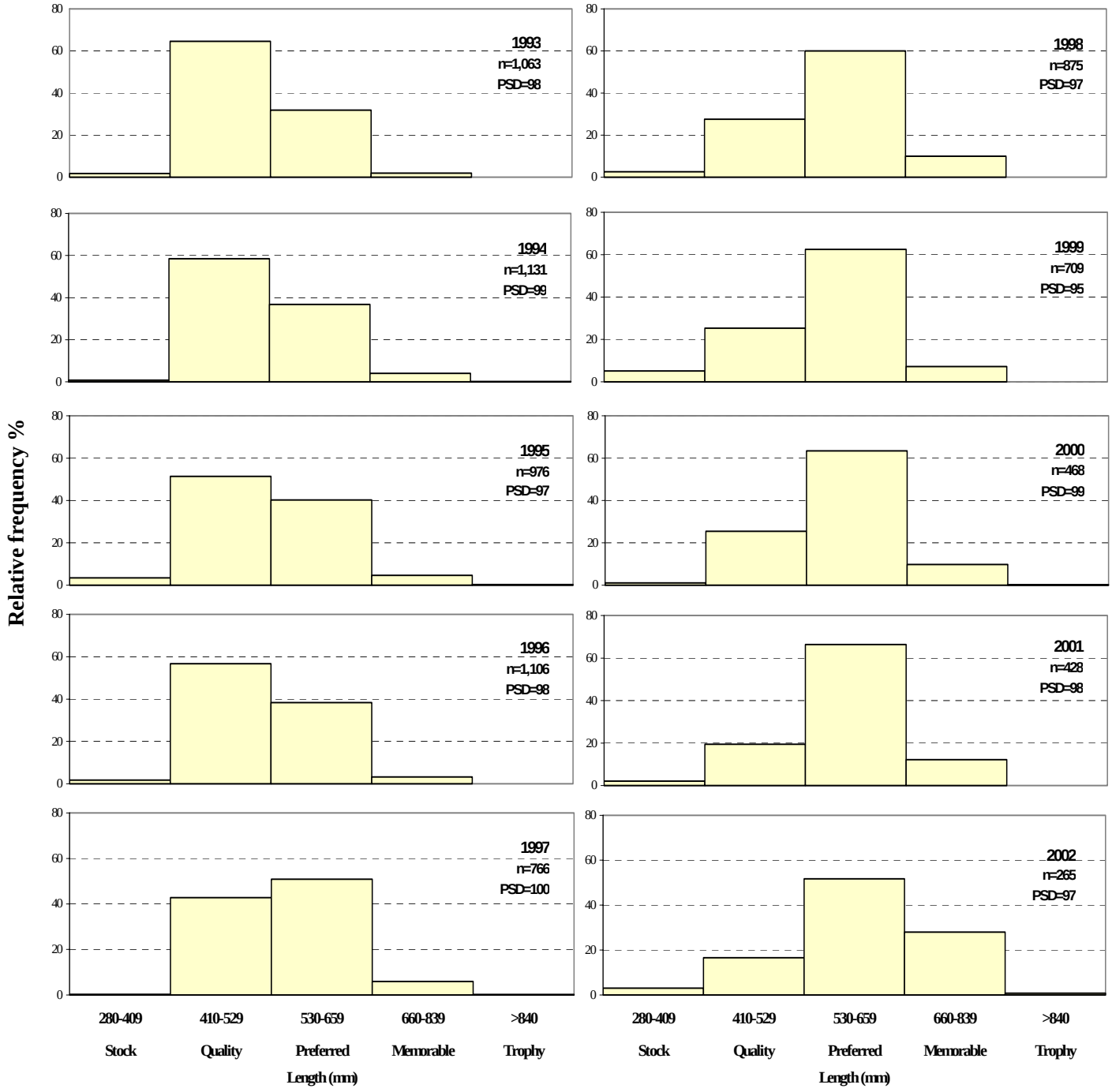
Appendix E.67. Relative frequency histograms of common carp captured by night electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



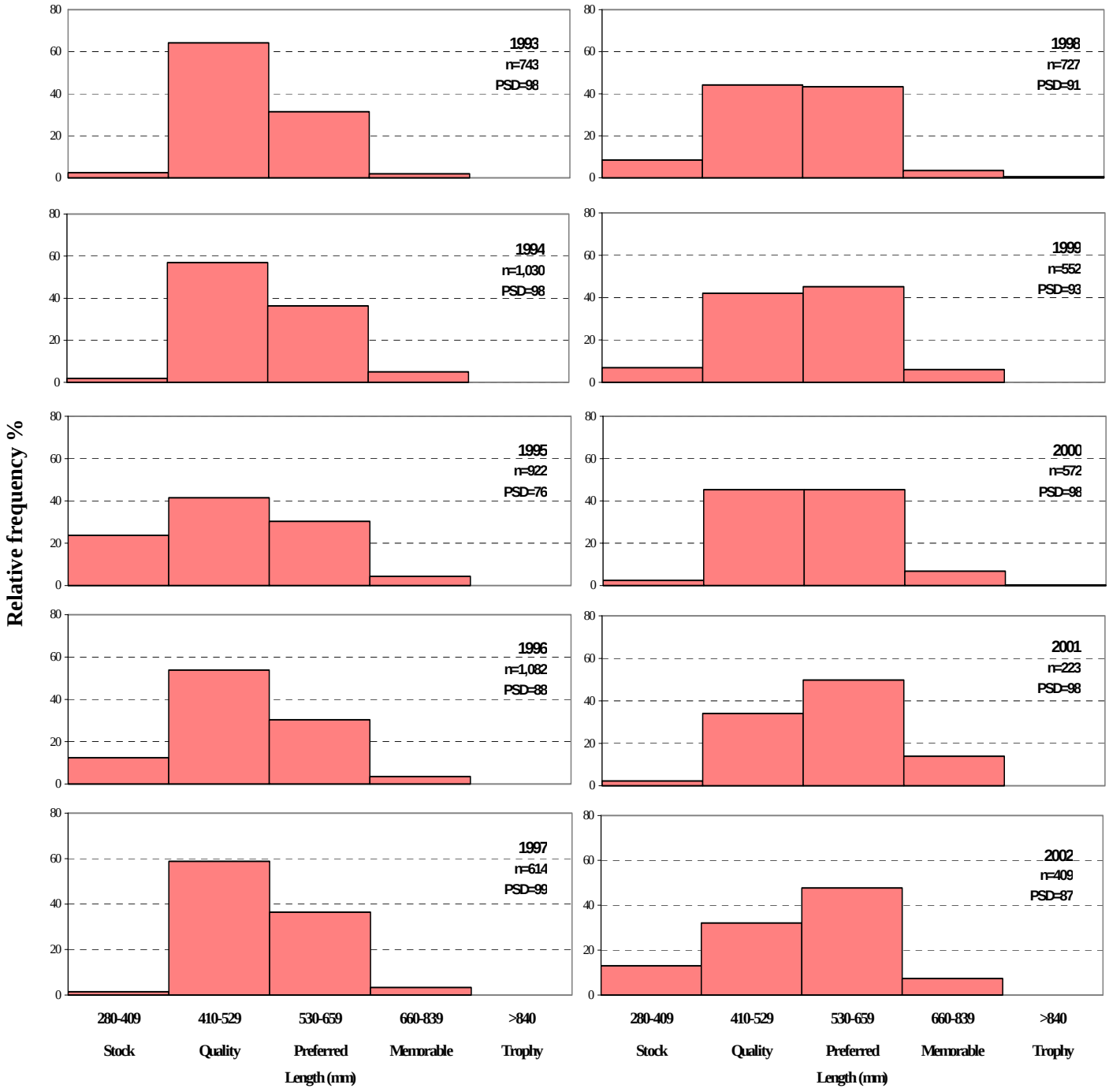
Appendix E.68. Relative frequency histograms of common carp captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



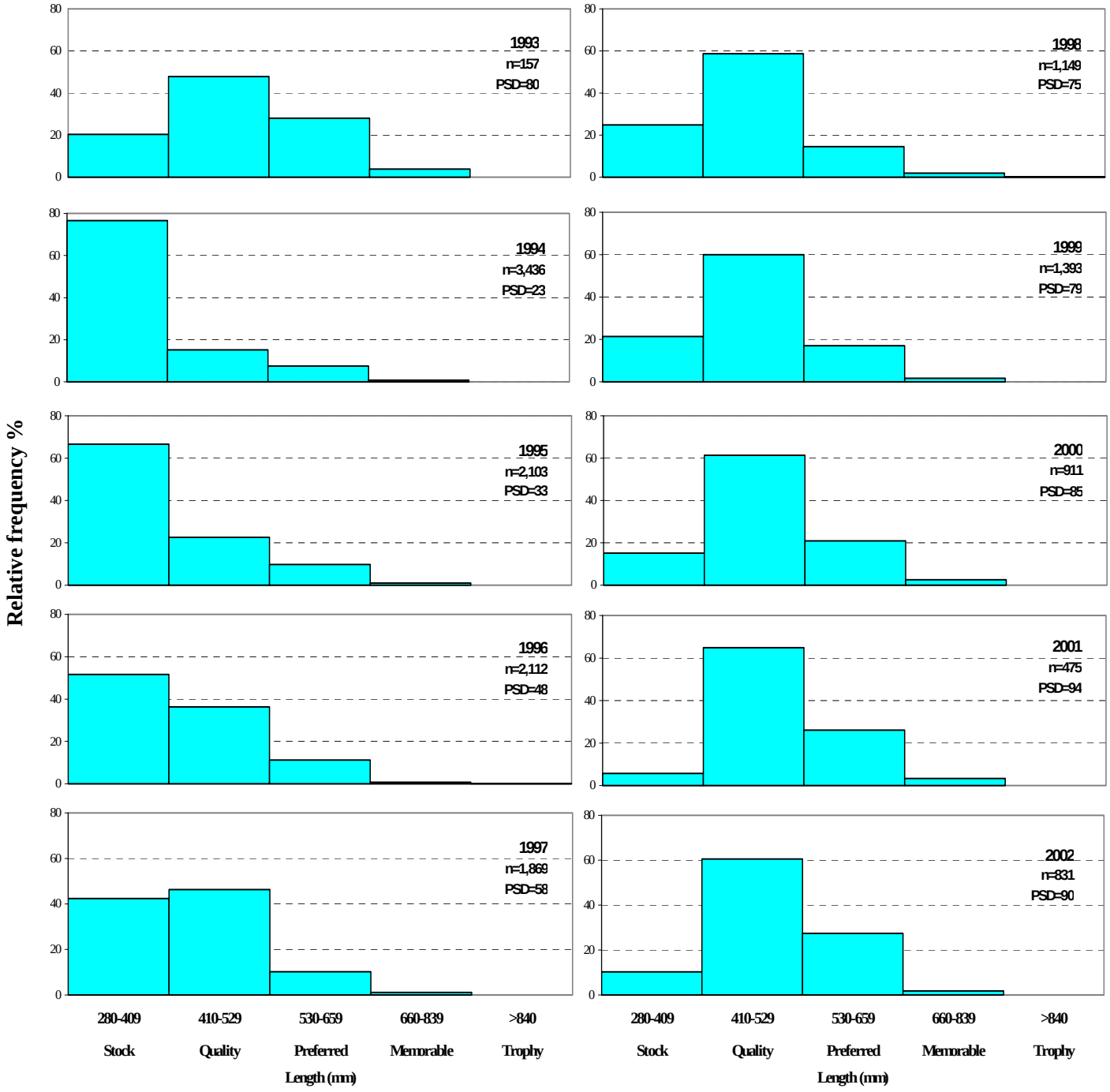
Appendix E.69. Relative frequency histograms of common carp captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



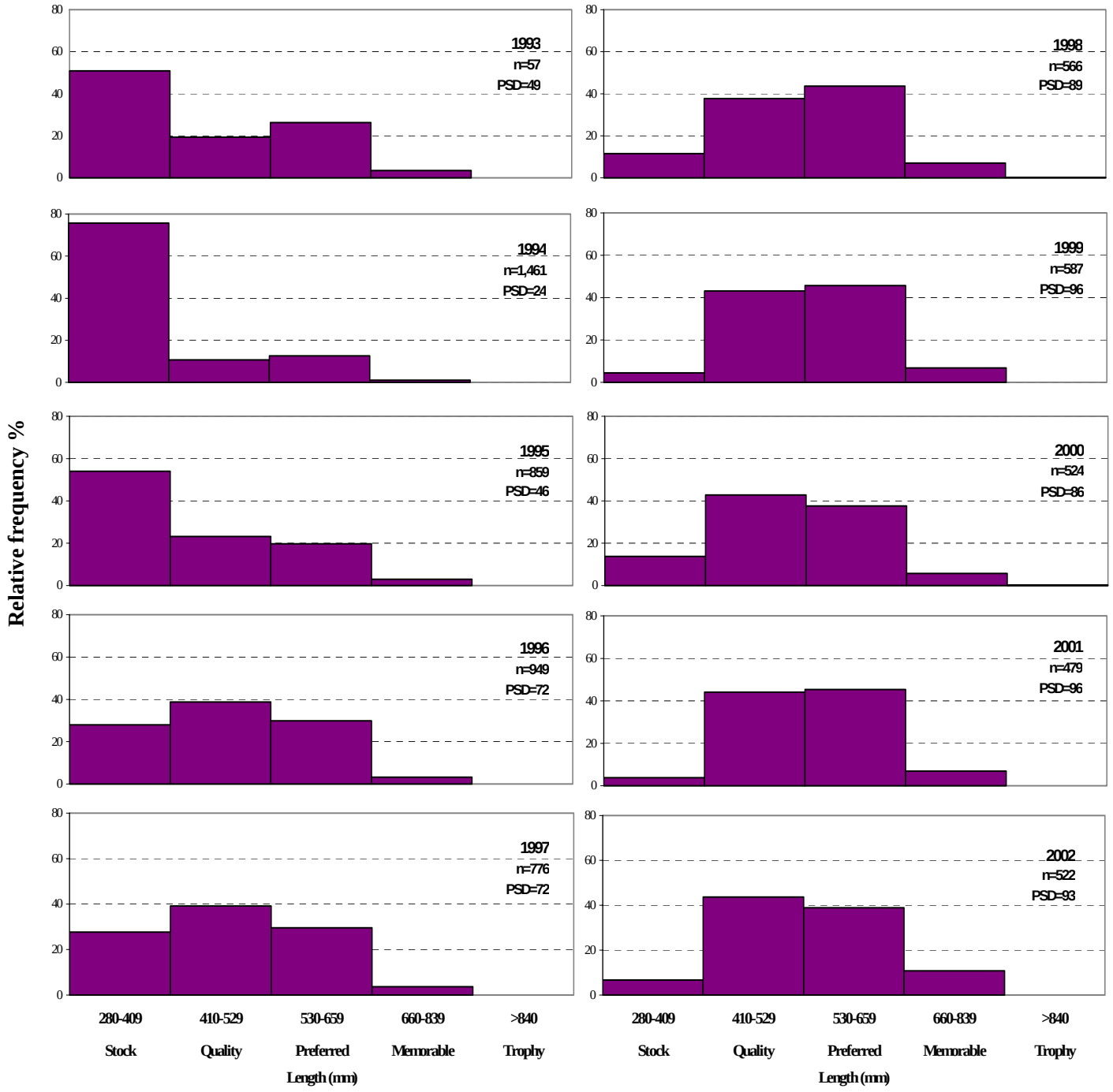
Appendix E.70. Relative frequency histograms of common carp captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



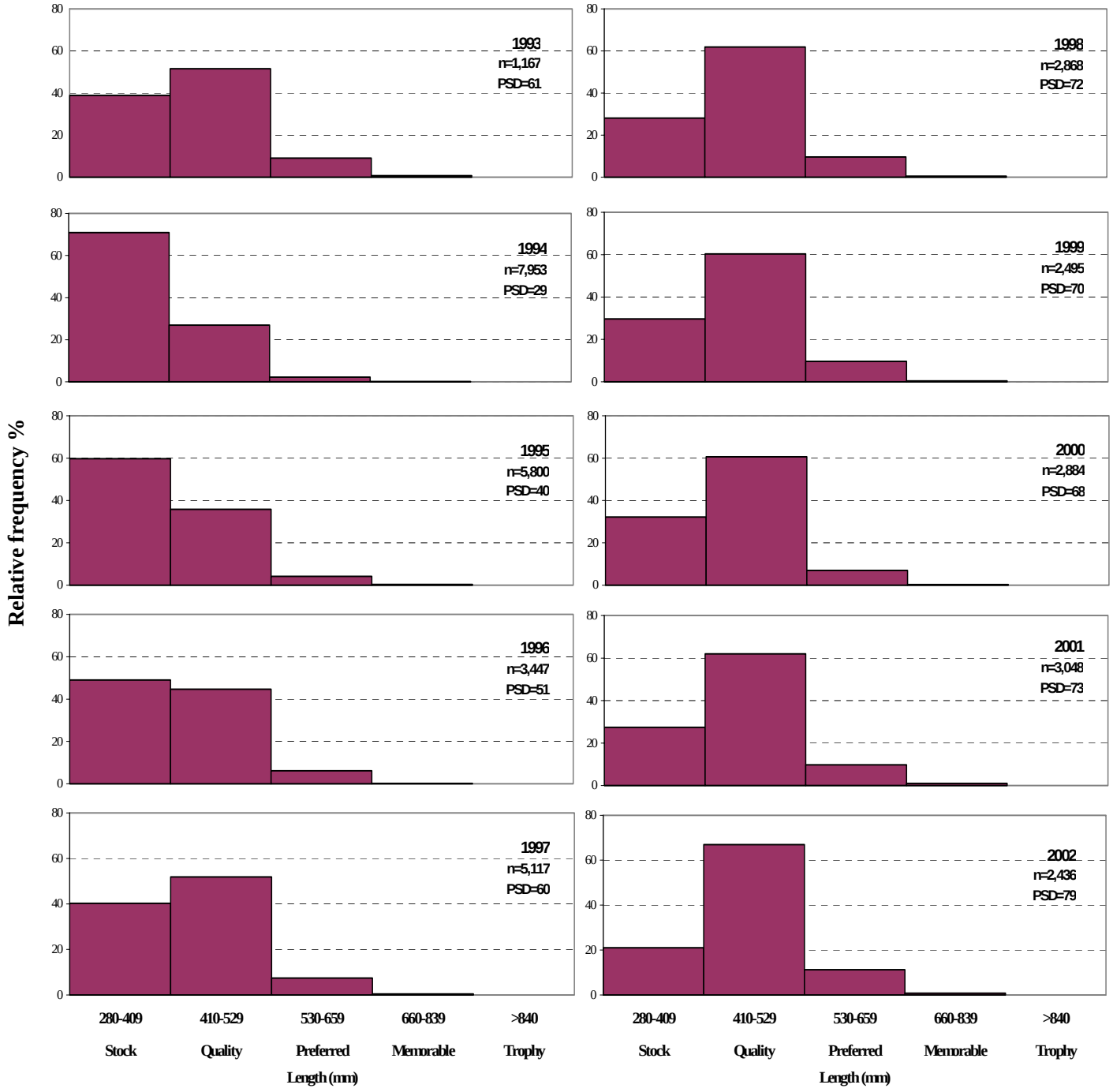
Appendix E.71. Relative frequency histograms of common carp captured by all gears in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



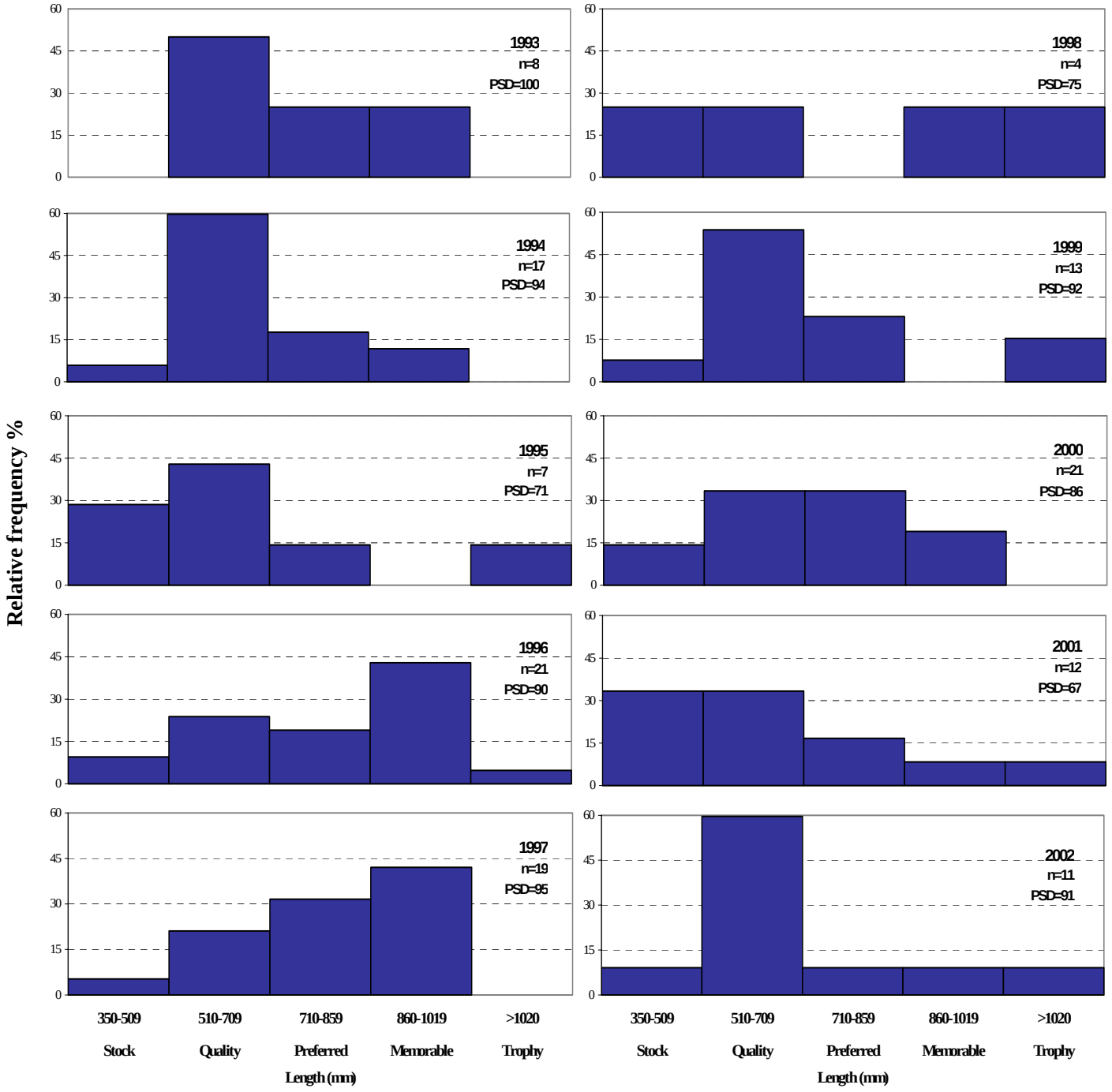
Appendix E.72. Relative frequency histograms of common carp captured by all gears in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



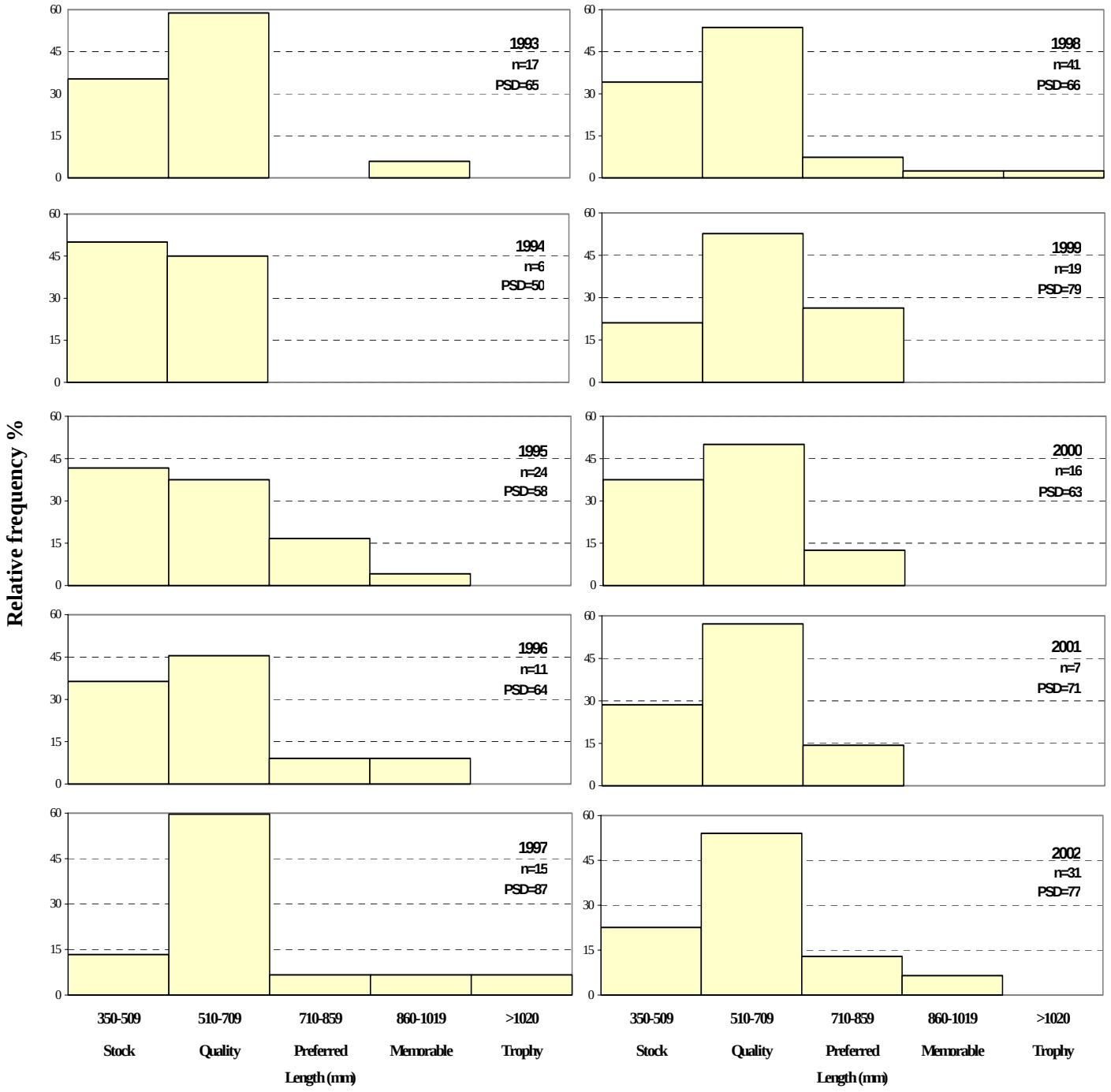
Appendix E.73. Relative frequency histograms of common carp captured by all gears in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



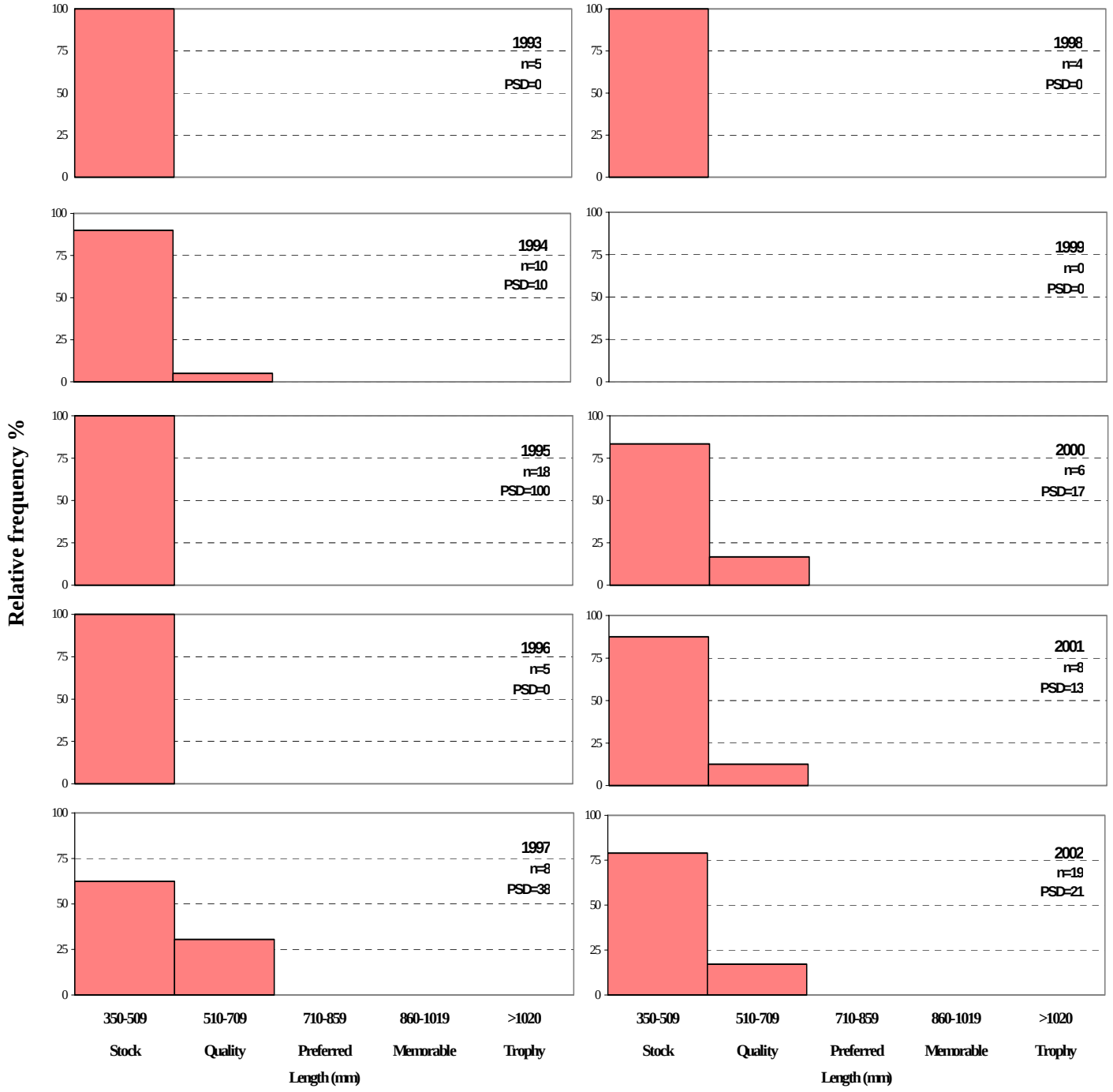
Appendix E.74. Relative frequency histograms of flathead catfish captured by large hoop netting in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



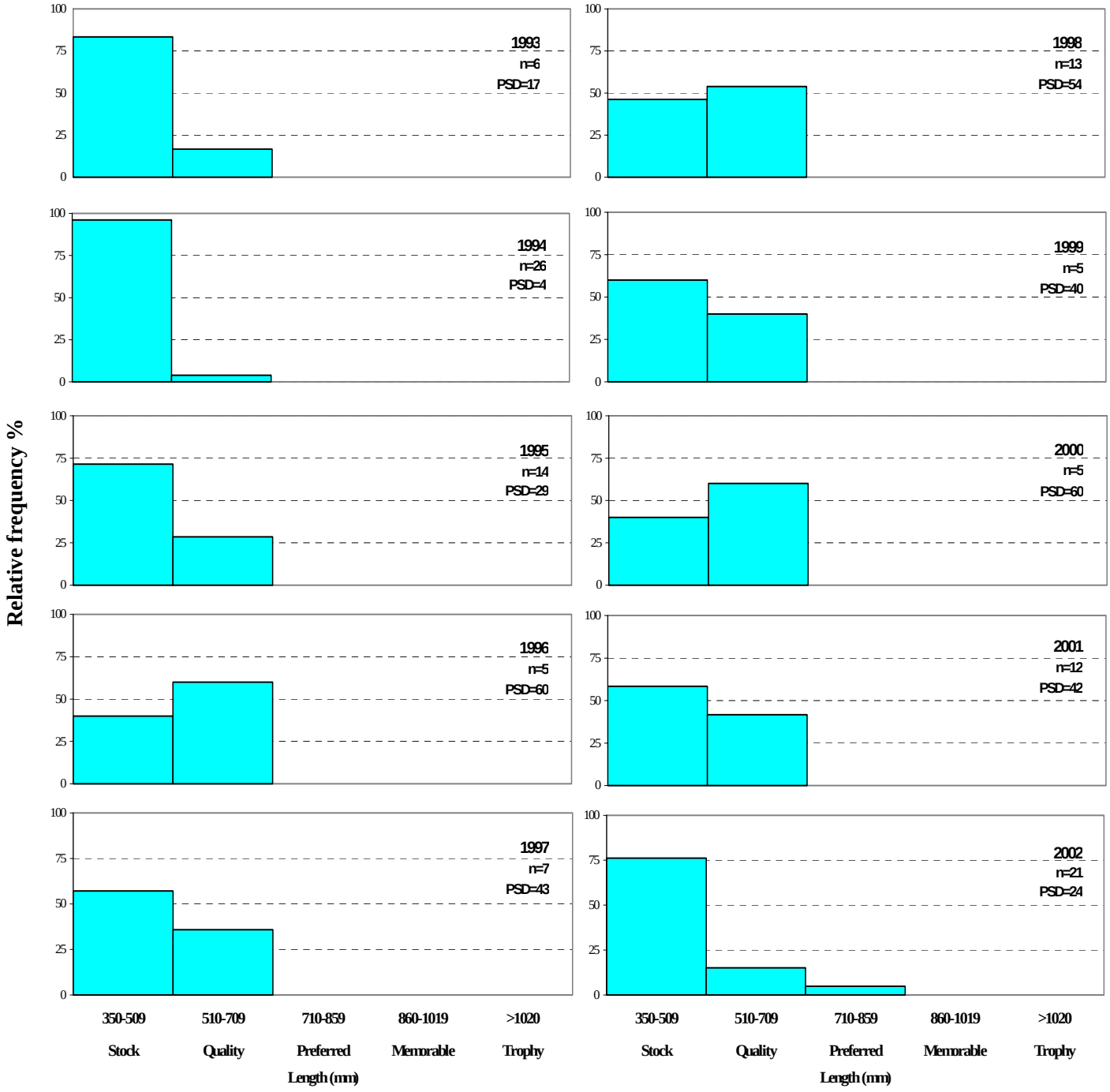
Appendix E.75. Relative frequency histograms of flathead catfish captured by large hoop netting in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



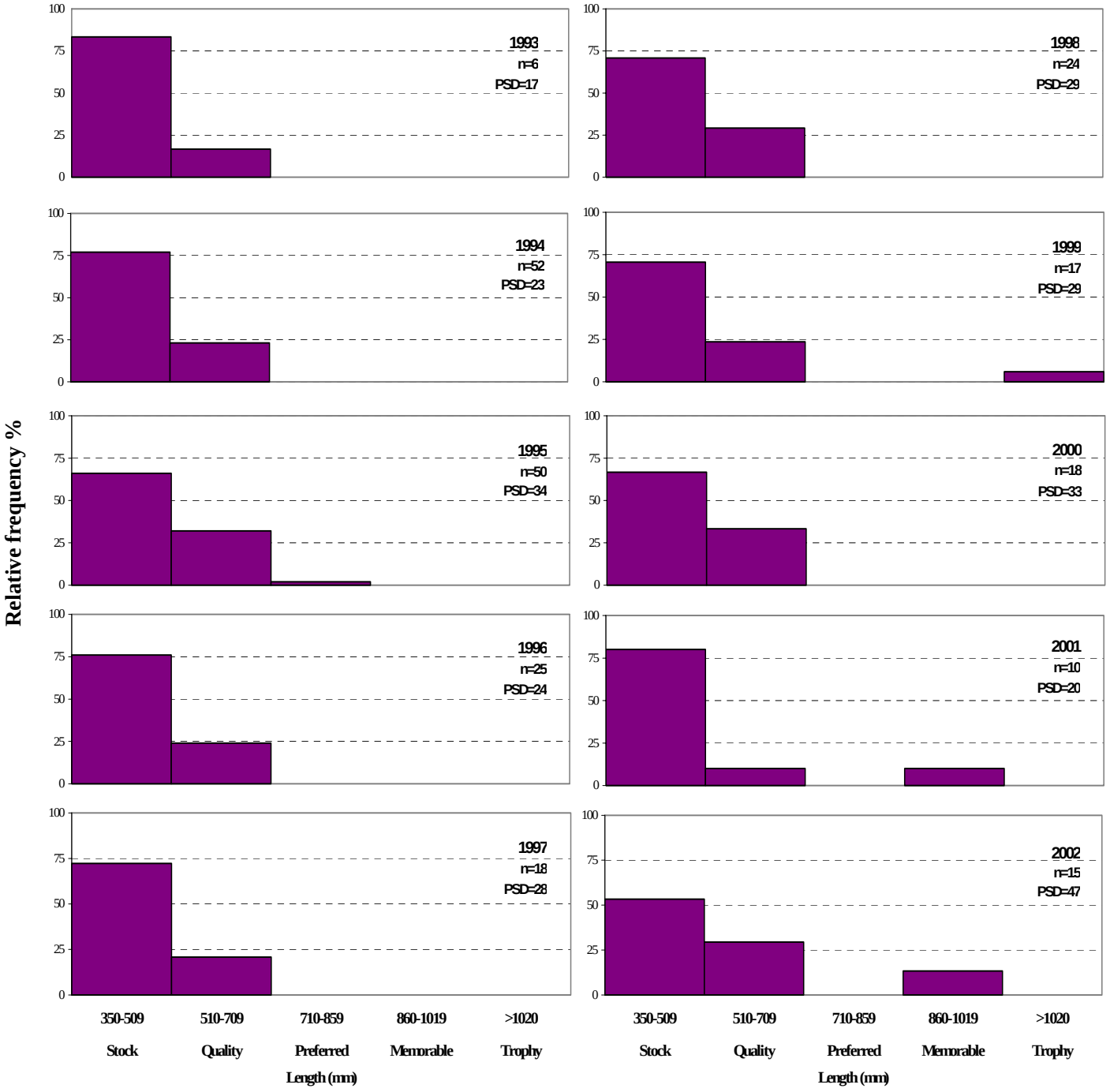
Appendix E.76. Relative frequency histograms of flathead catfish captured by large hoop netting in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



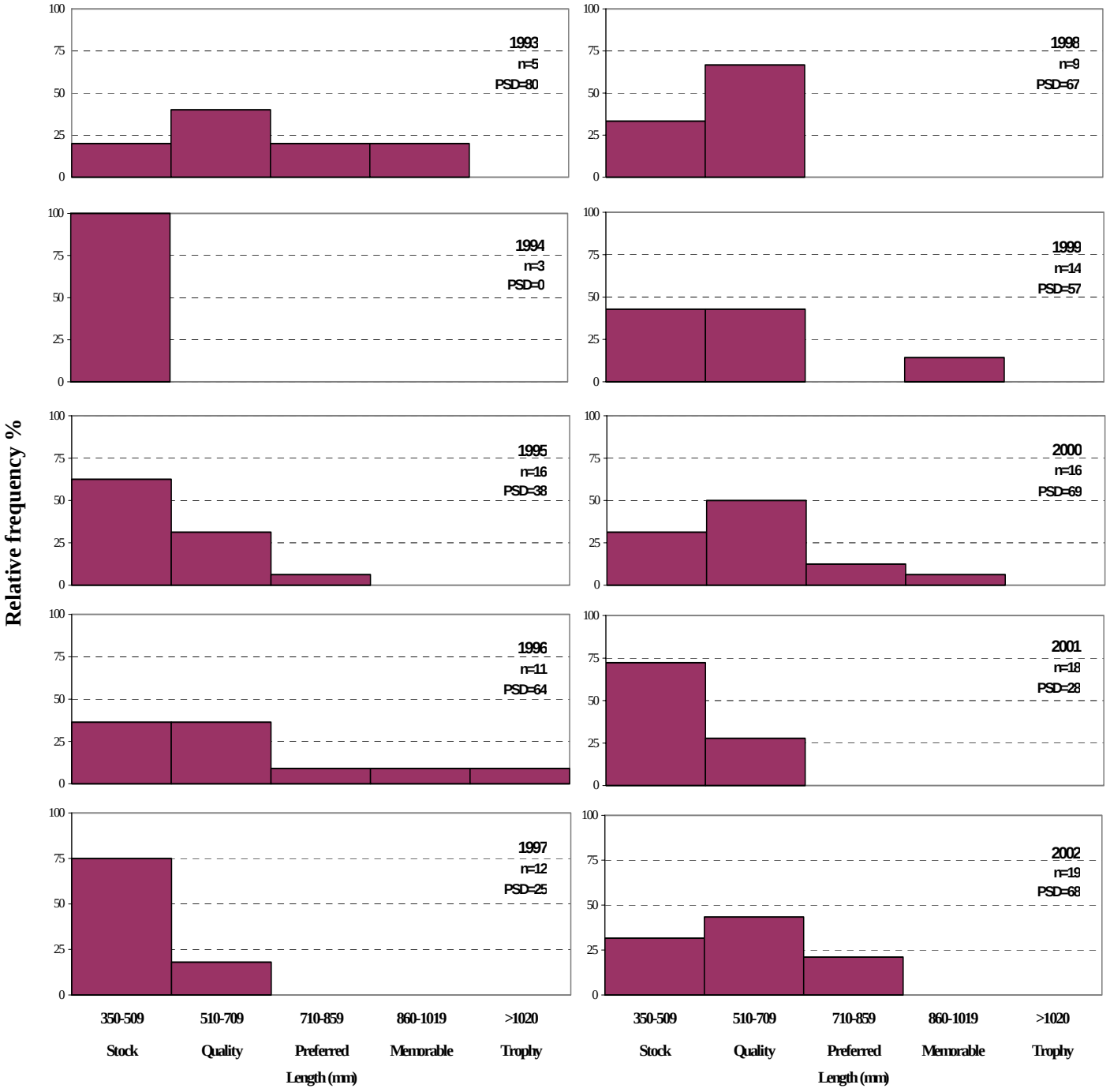
Appendix E.77. Relative frequency histograms of flathead catfish captured by large hoop netting in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



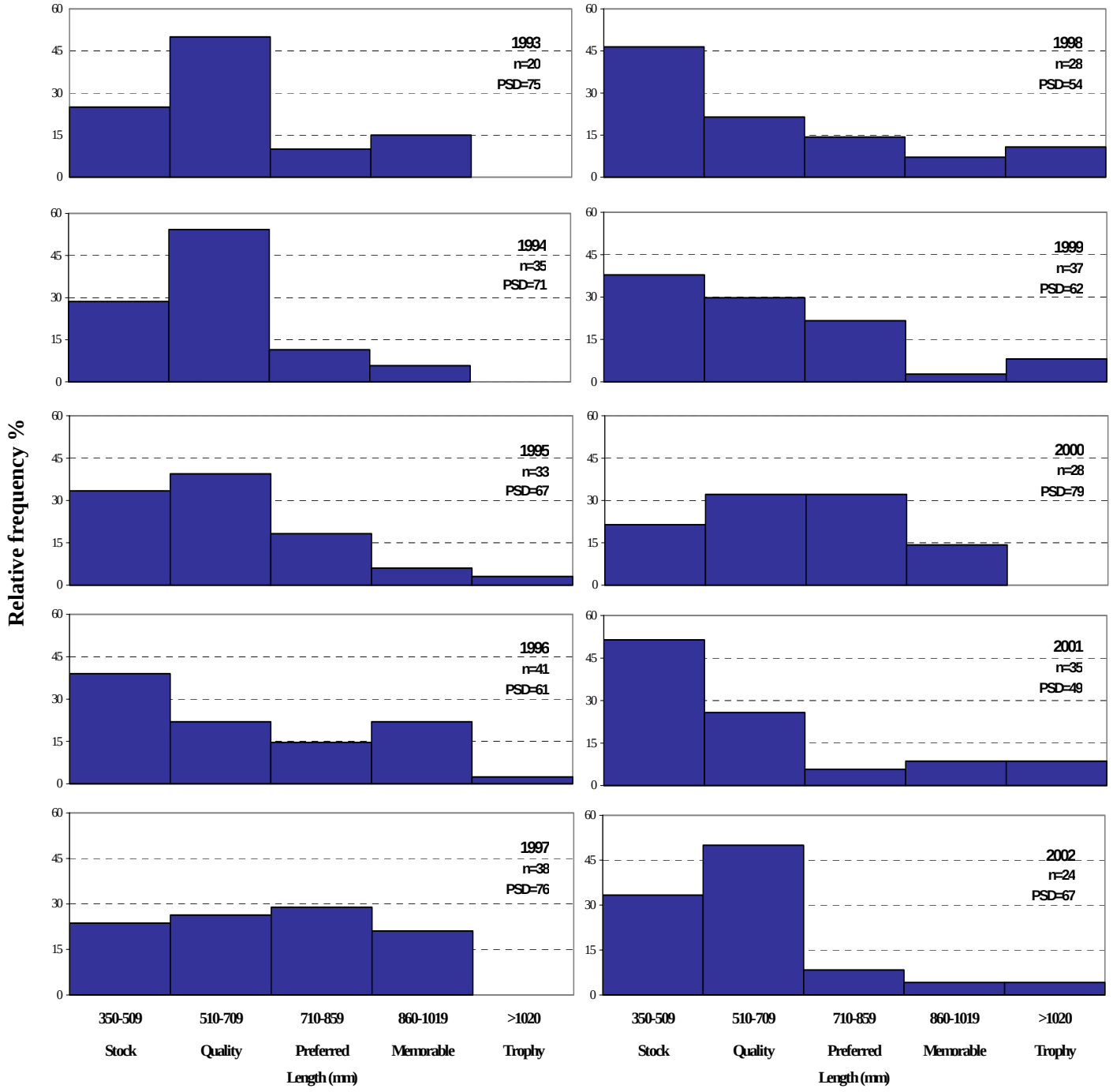
Appendix E.78. Relative frequency histograms of flathead catfish captured by large hoop netting in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



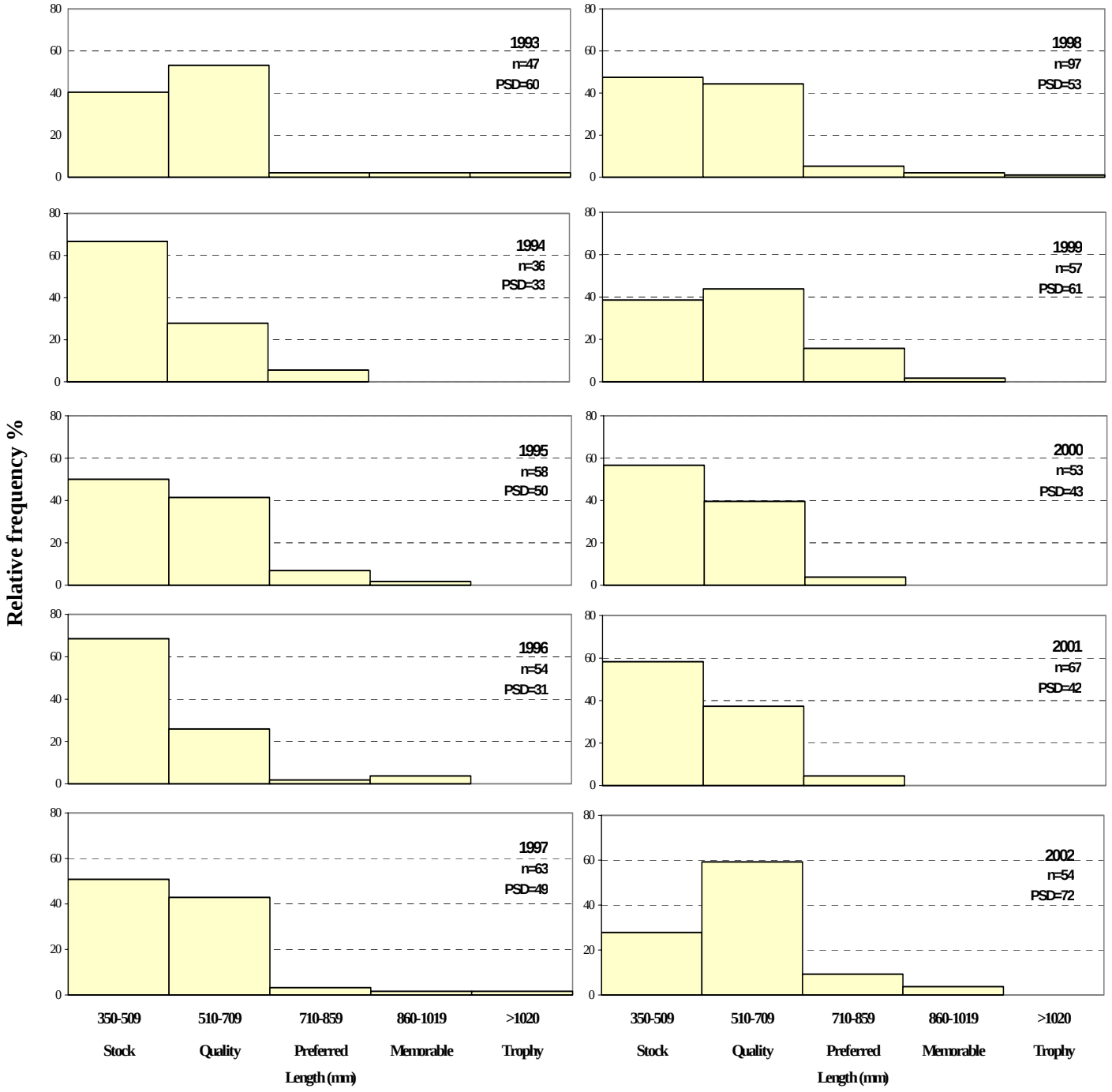
Appendix E.79. Relative frequency histograms of flathead catfish captured by large hoop netting in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



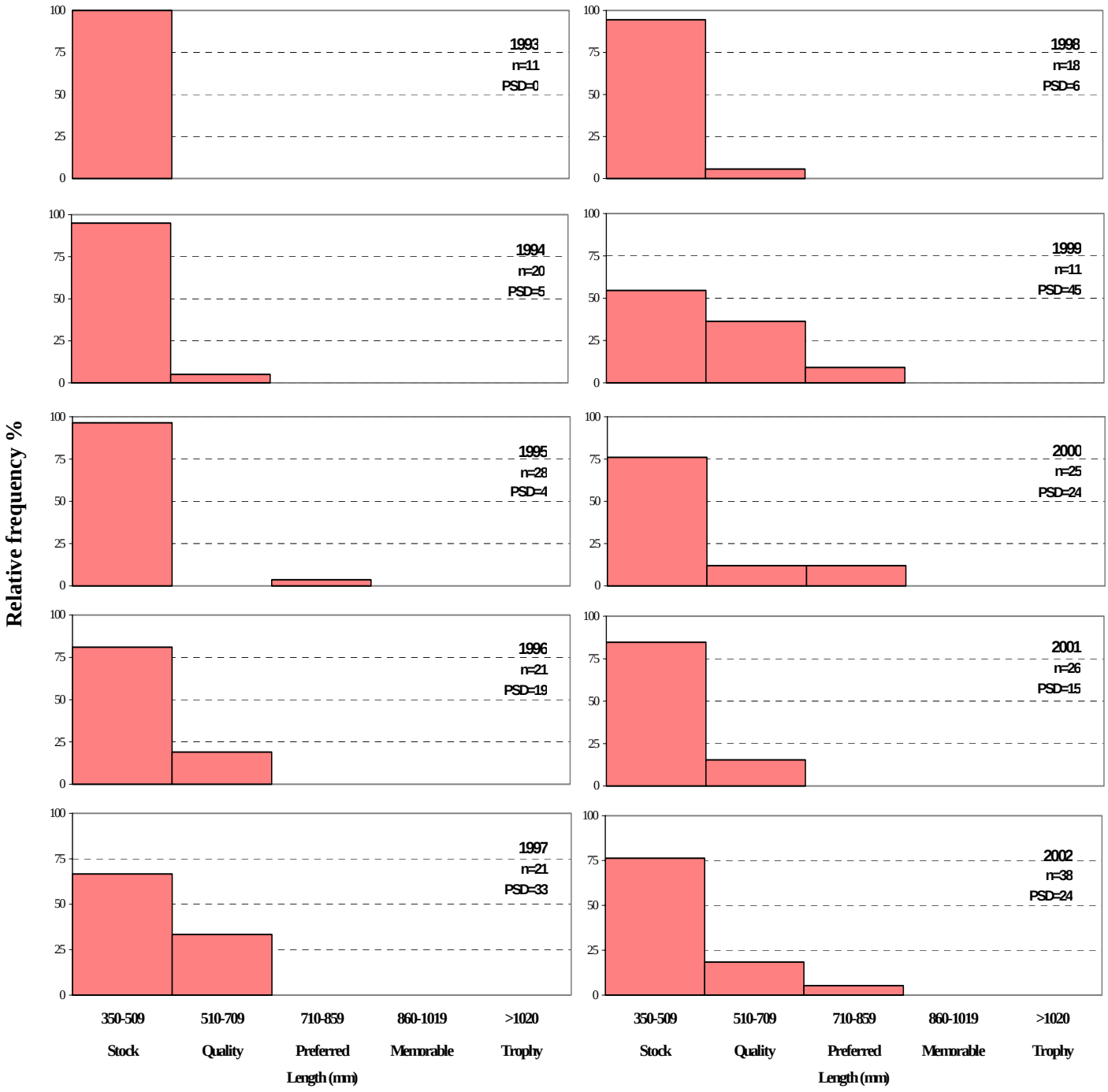
Appendix E.80. Relative frequency histograms of flathead catfish captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



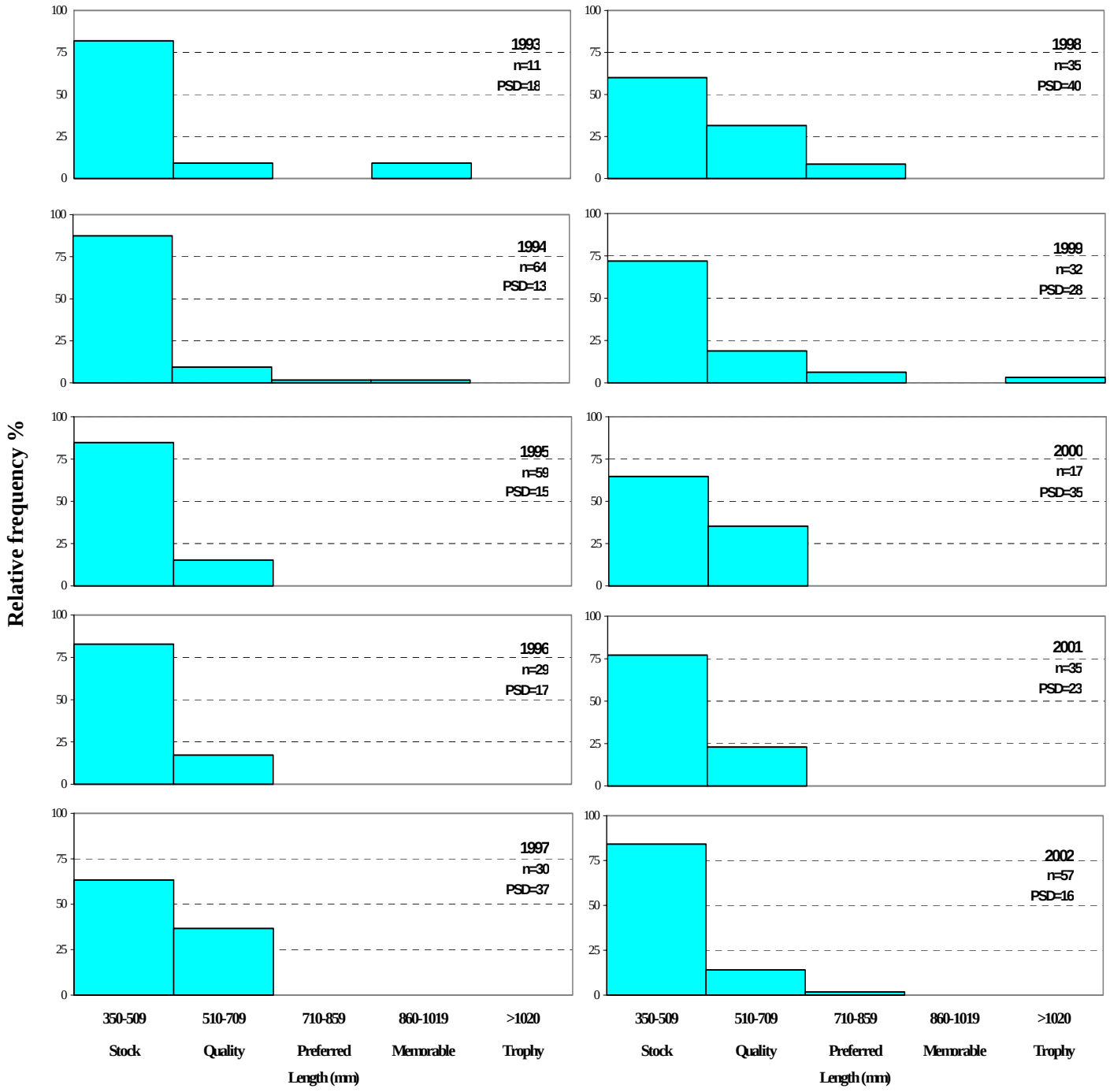
Appendix E.81. Relative frequency histograms of flathead catfish captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



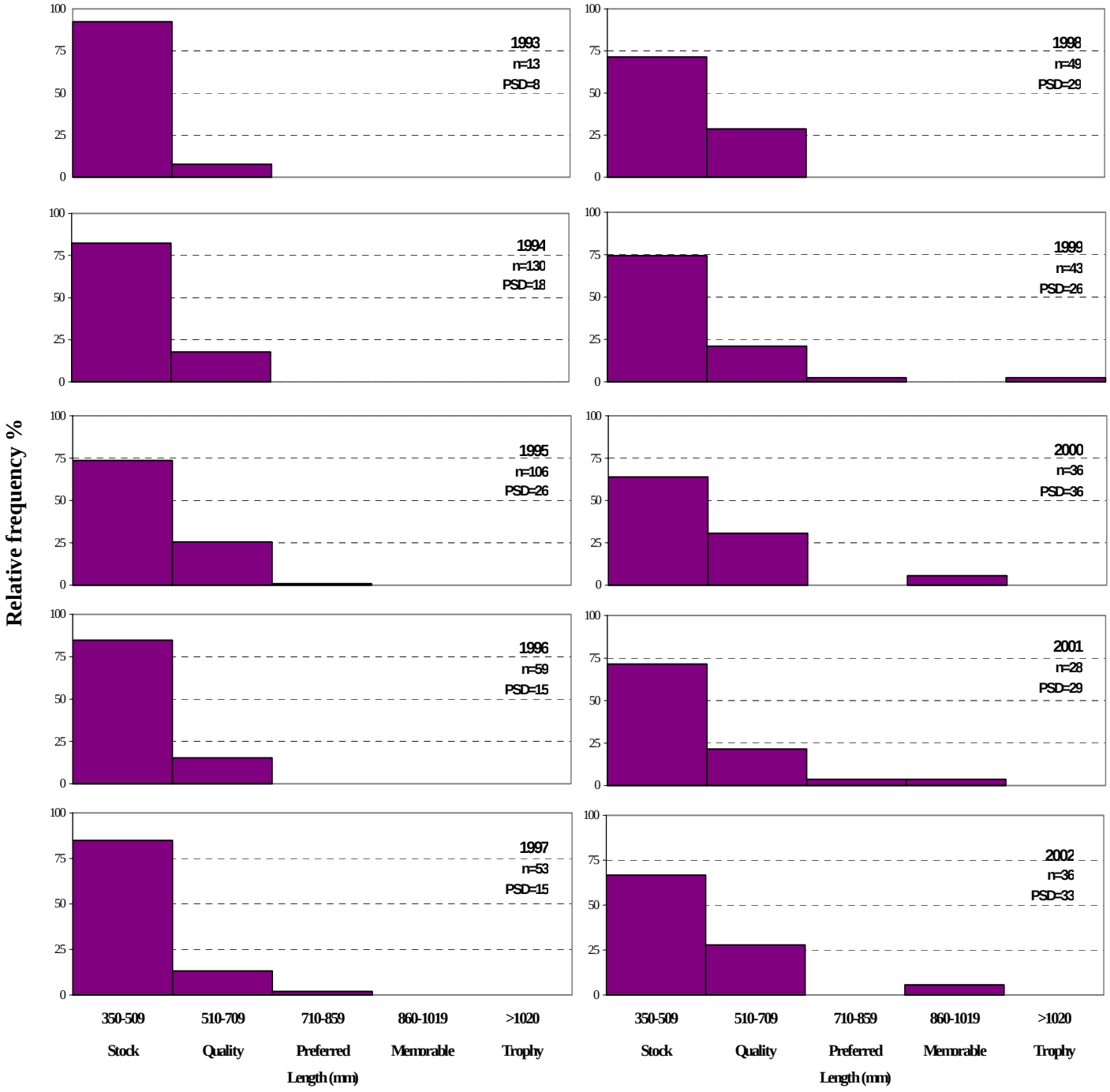
Appendix E.82. Relative frequency histograms of flathead catfish captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



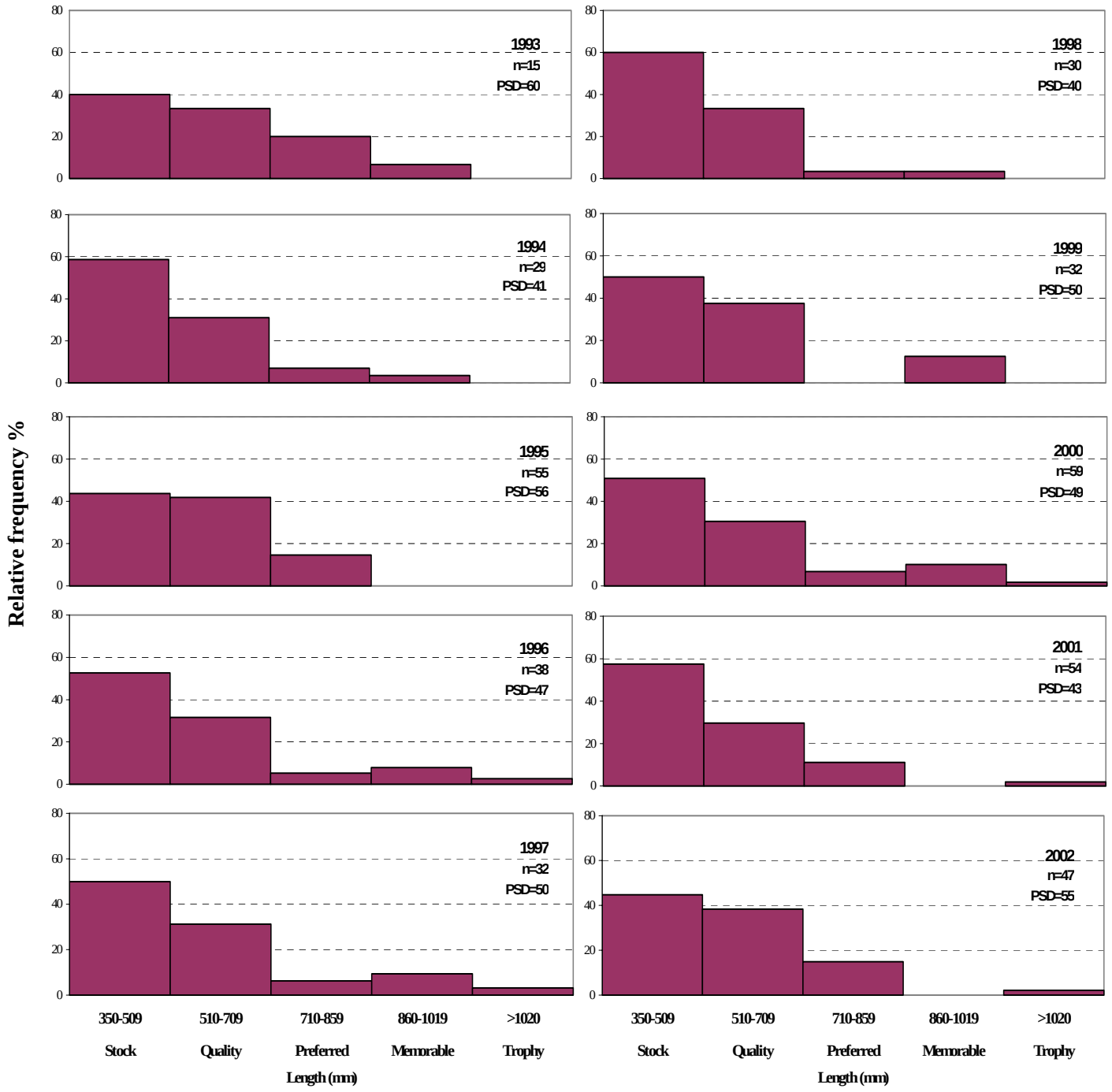
Appendix E.83. Relative frequency histograms of flathead catfish captured by all gears in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



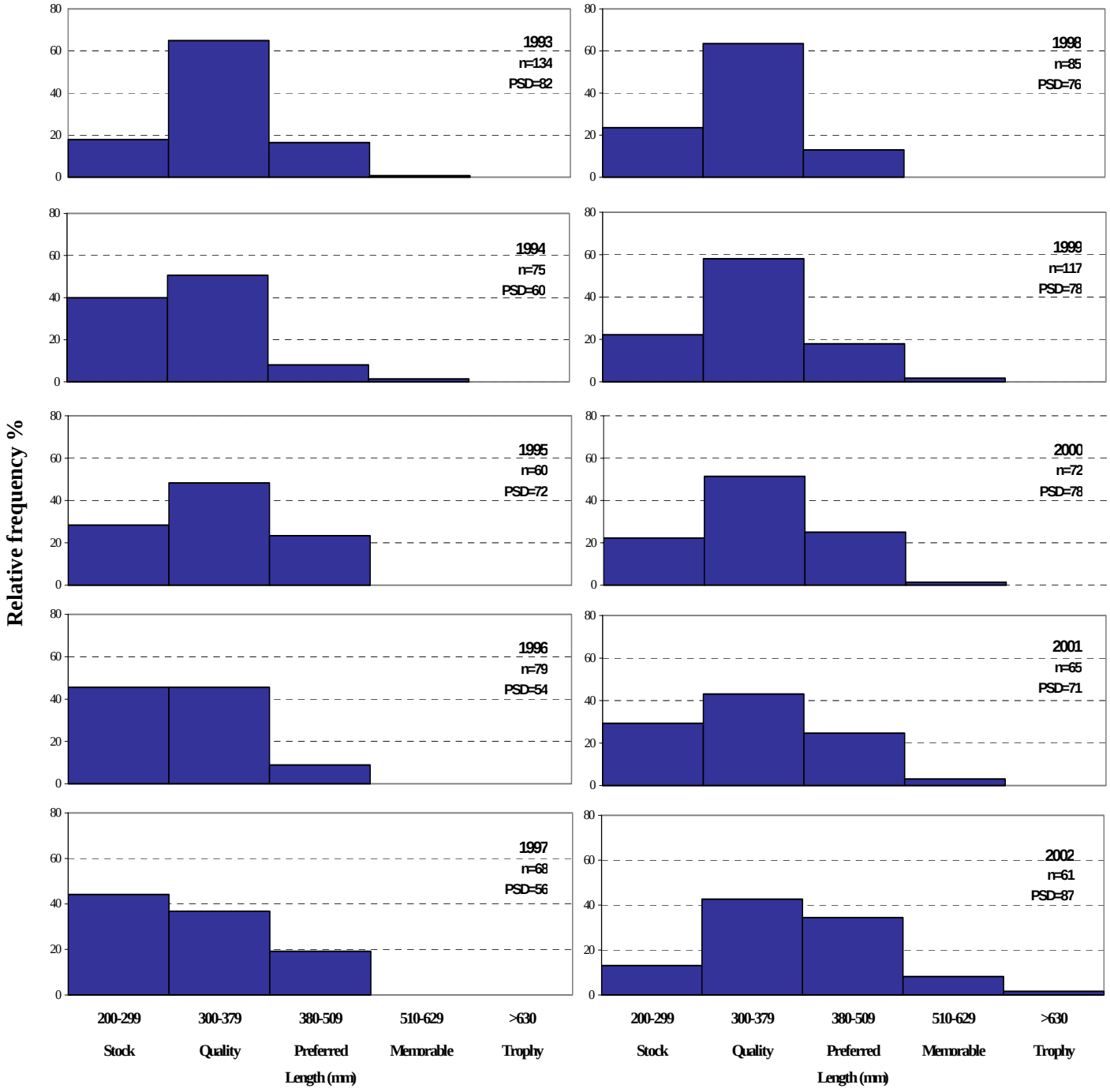
Appendix E.84. Relative frequency histograms of flathead catfish captured by all gears in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



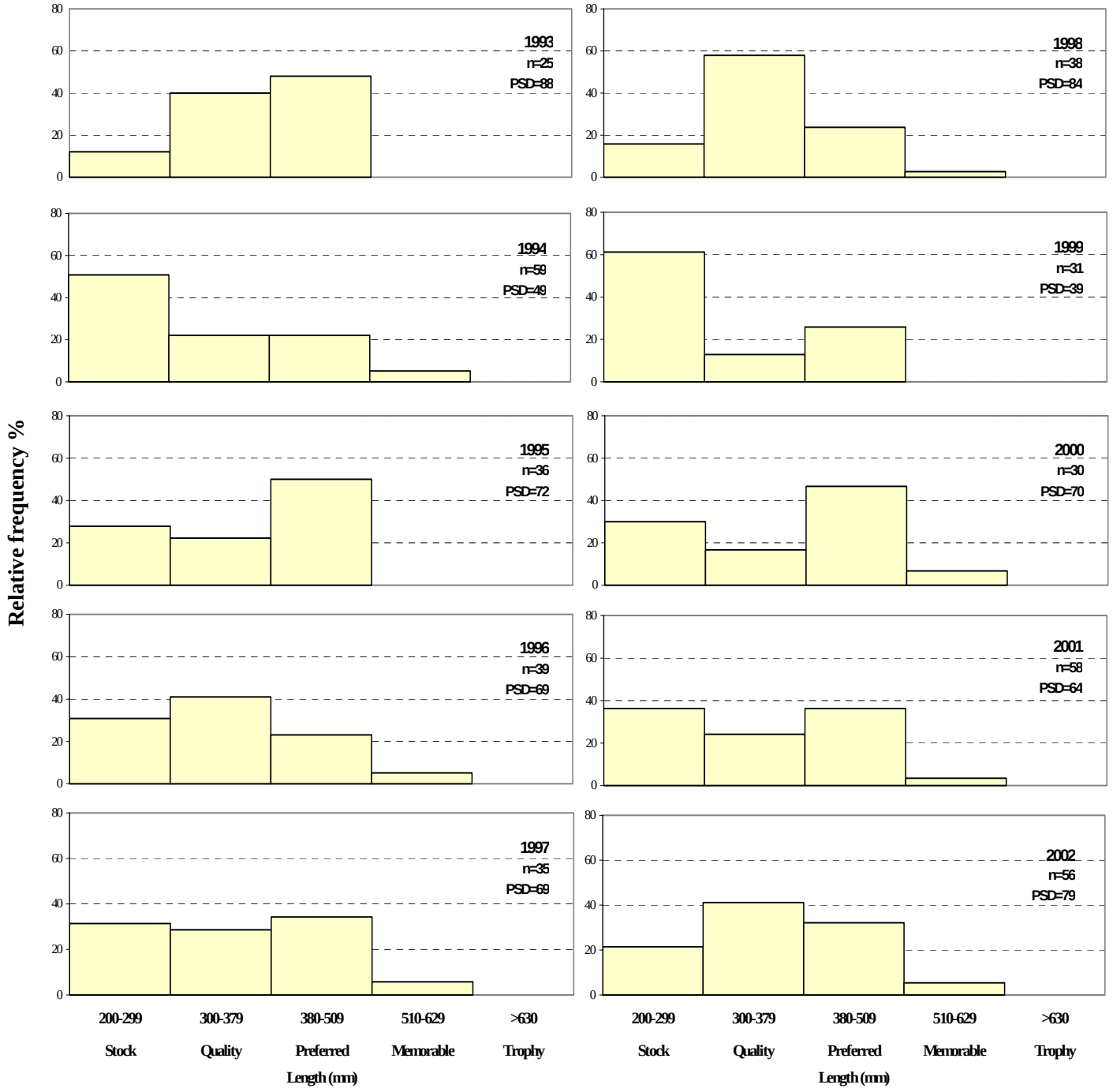
Appendix E.85. Relative frequency histograms of flathead catfish captured by all gears in La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



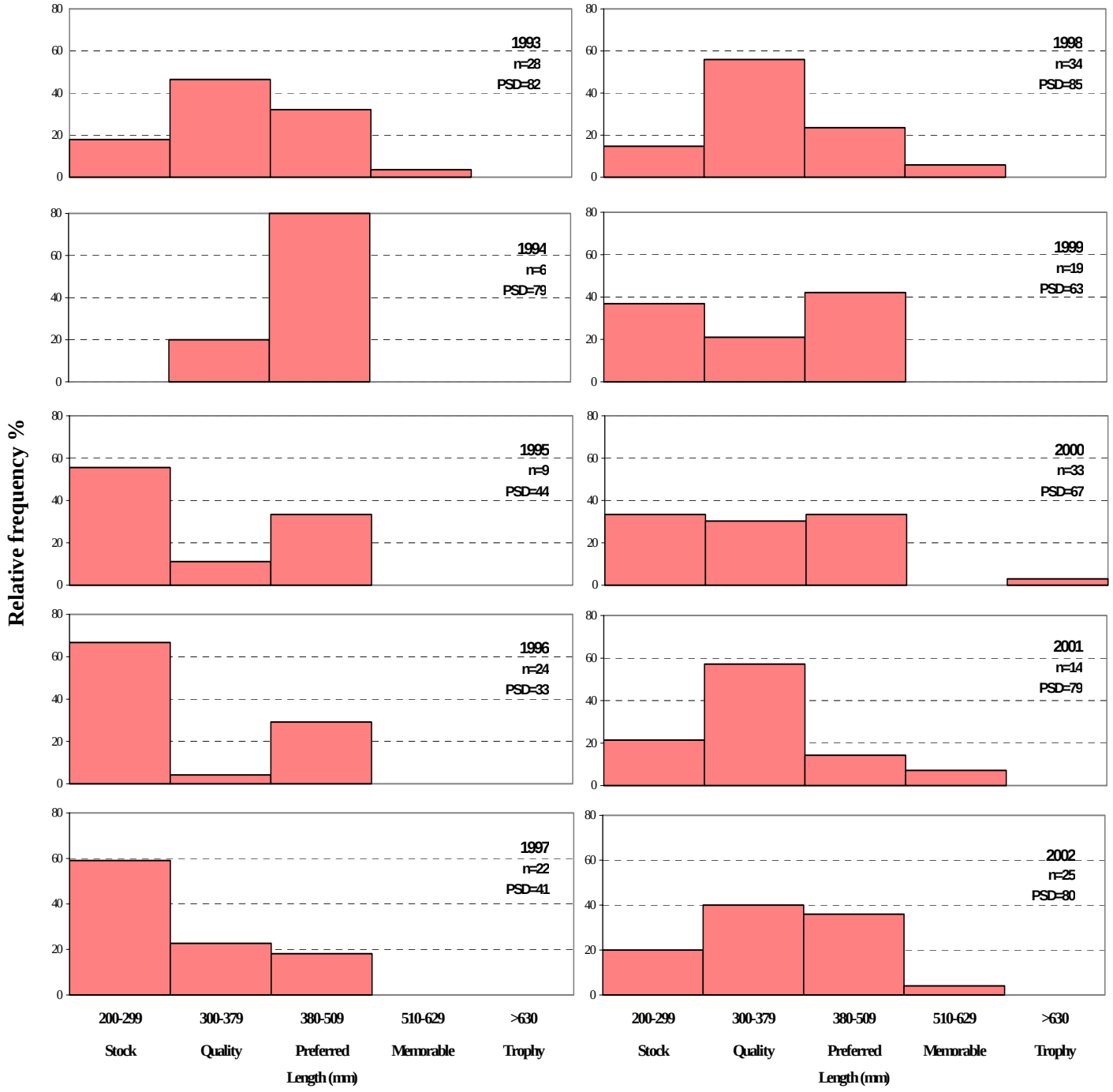
Appendix E.86. Relative frequency histograms of freshwater drum captured by day electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



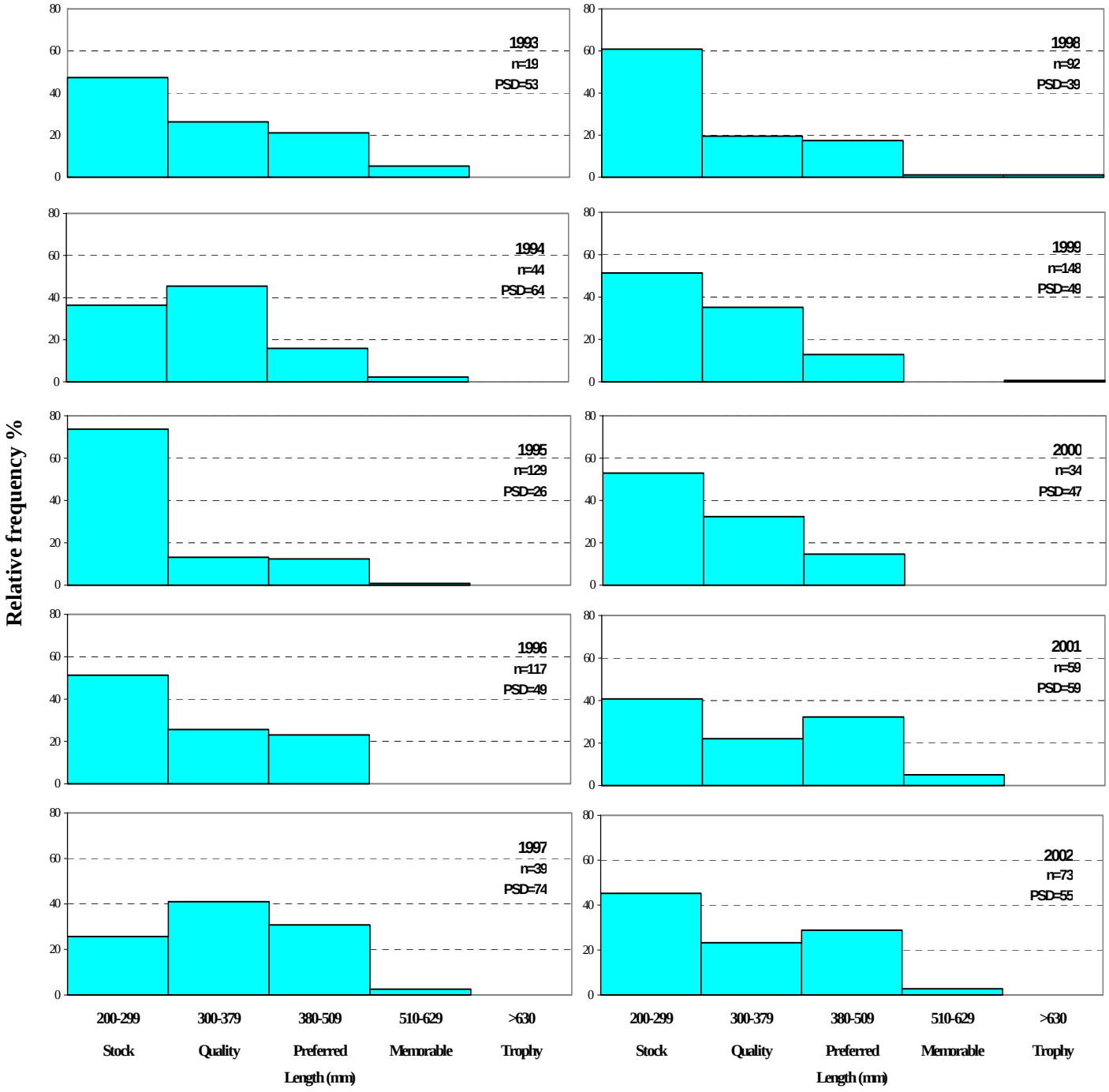
Appendix E.87. Relative frequency histograms of freshwater drum captured by day electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



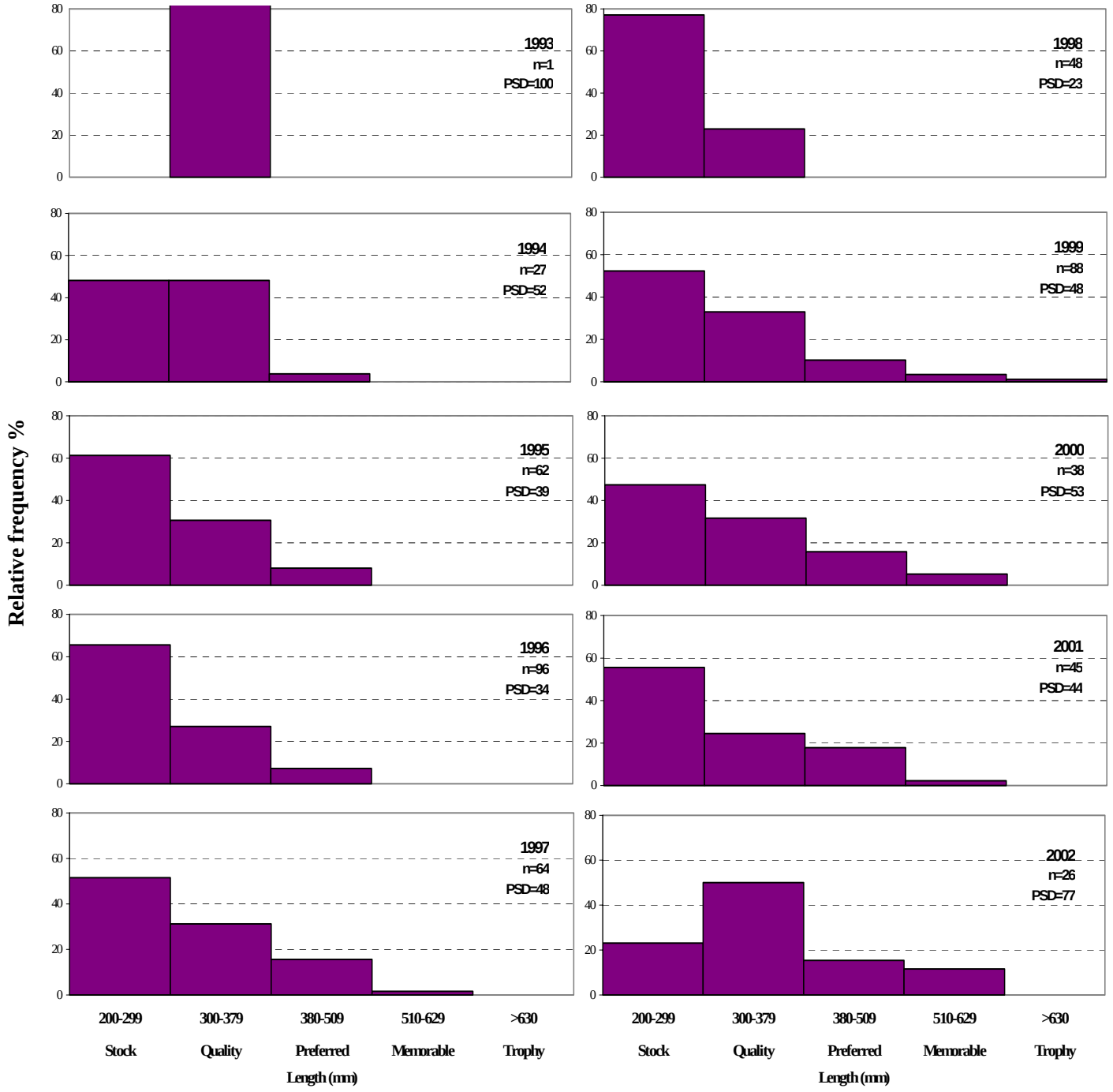
Appendix E.88. Relative frequency histograms of freshwater drum captured by day electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



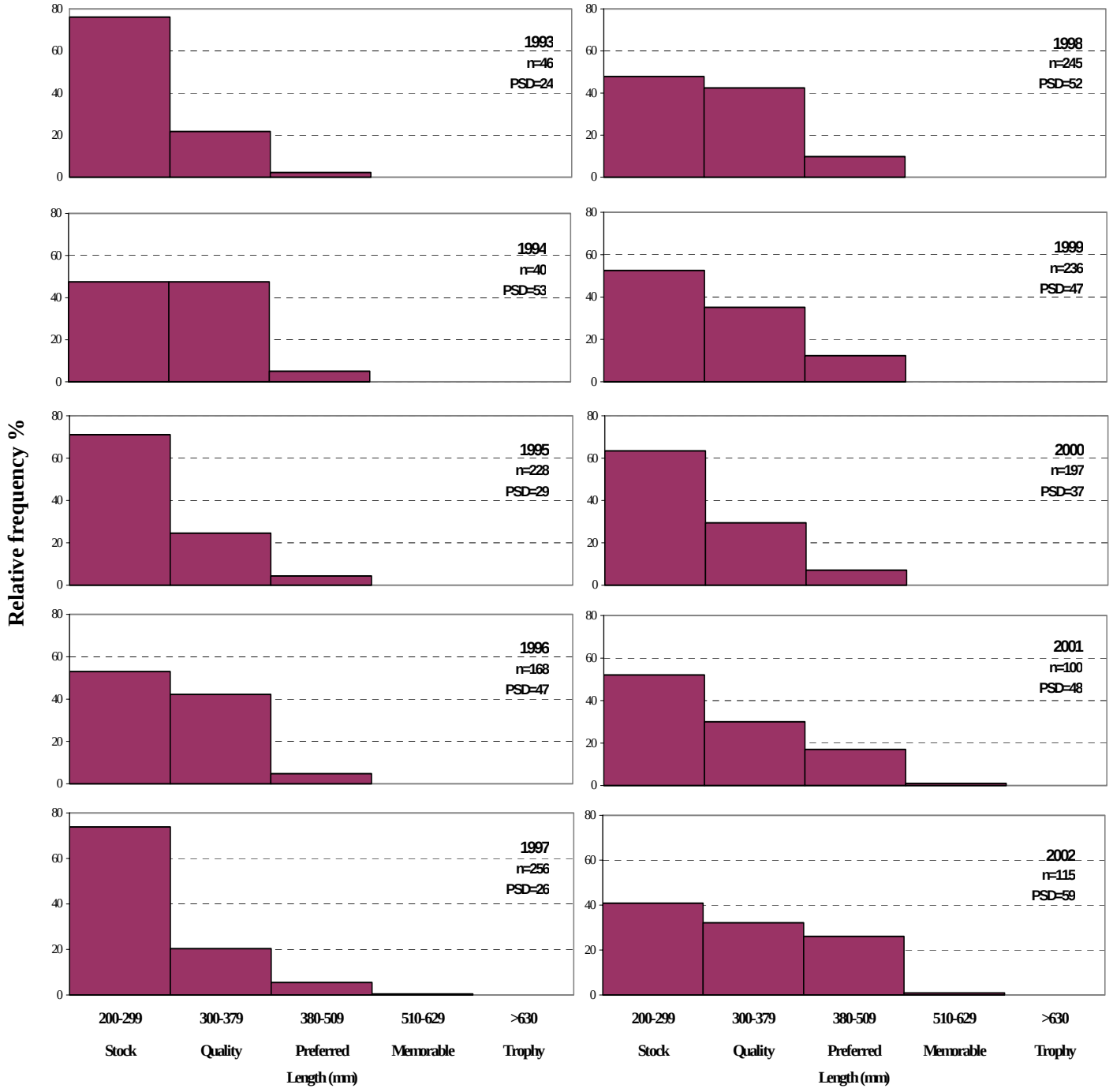
Appendix E.89. Relative frequency histograms of freshwater drum captured by day electrofishing in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



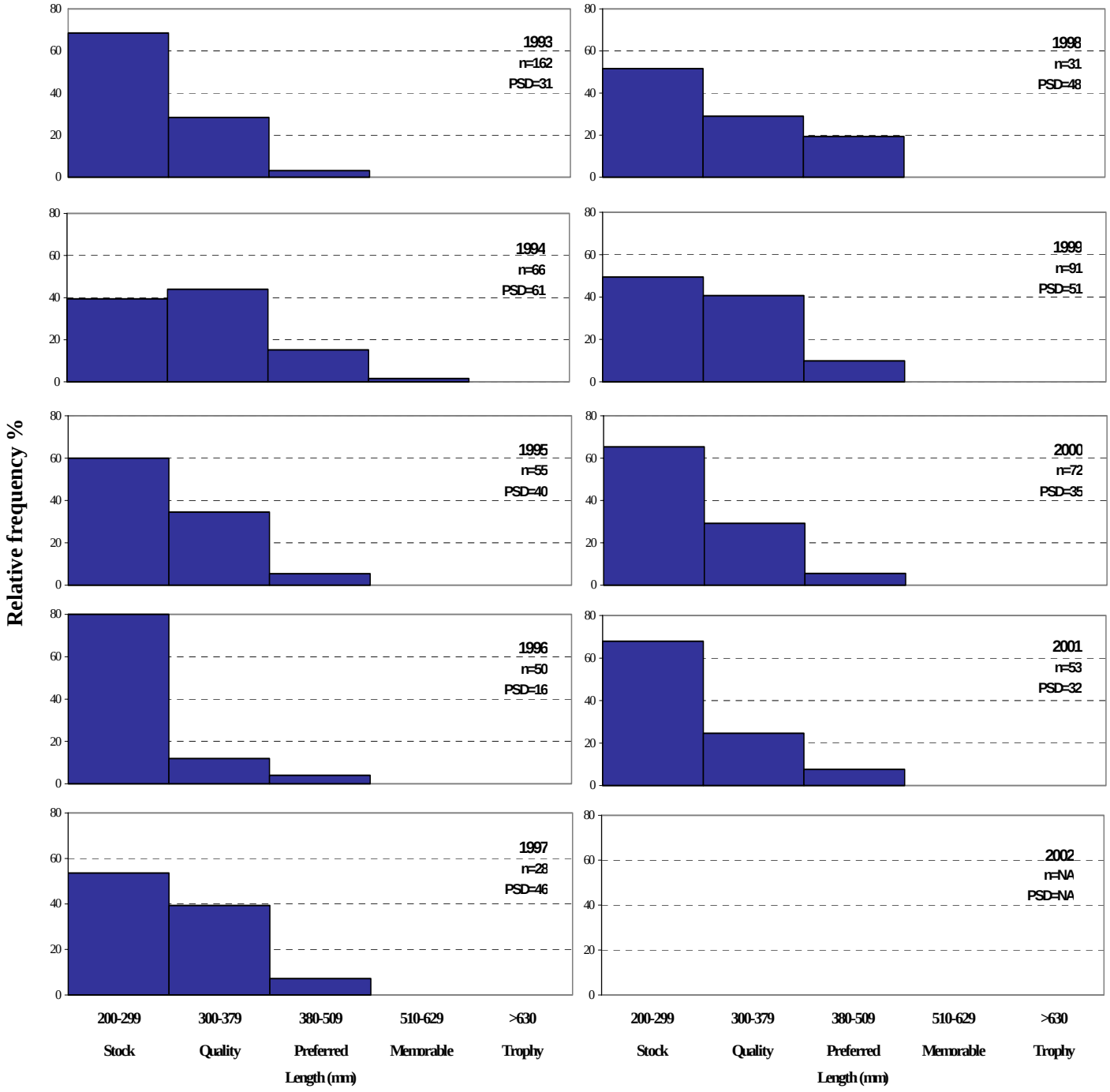
Appendix E.90. Relative frequency histograms of freshwater drum captured by day electrofishing in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



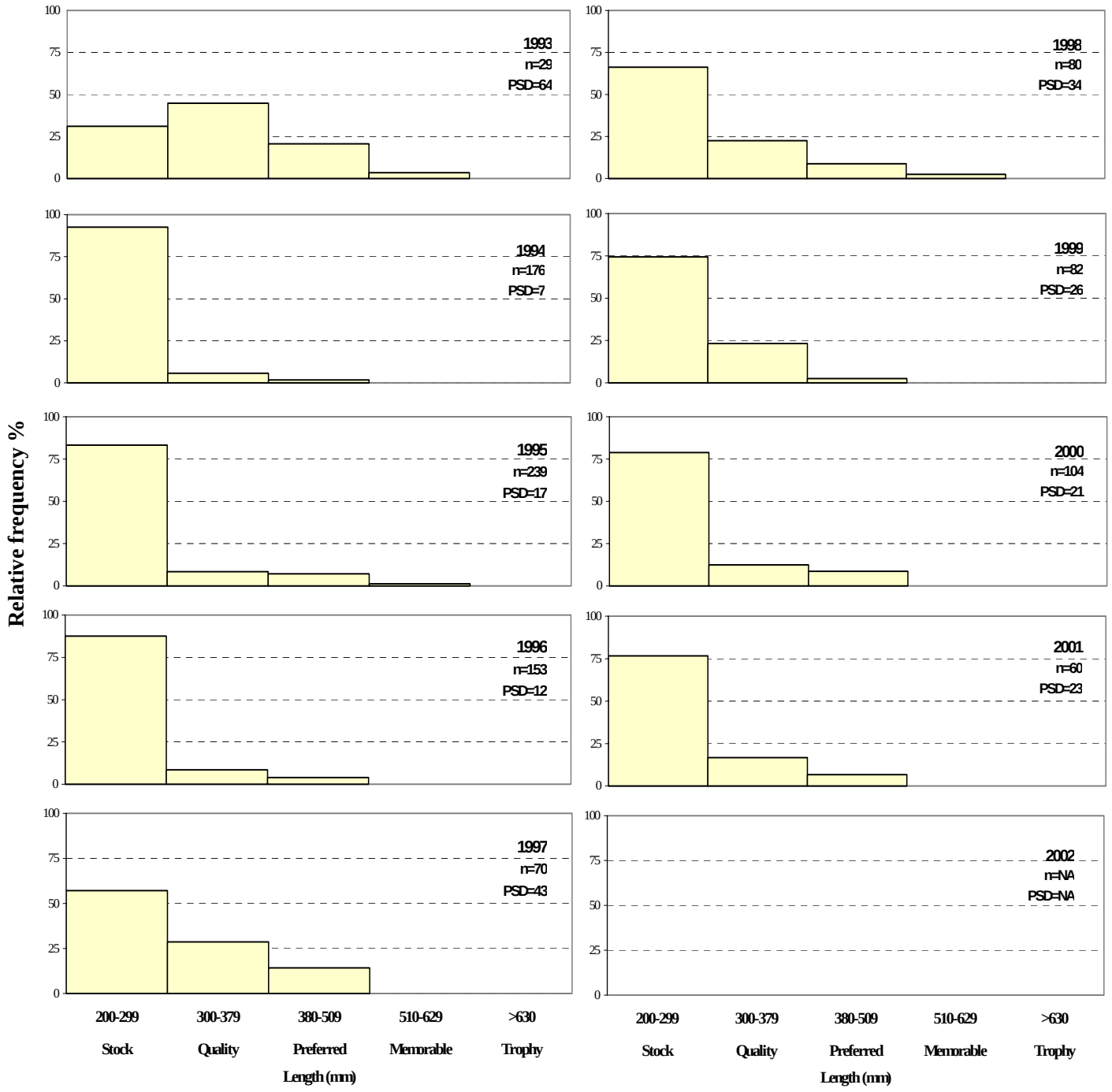
Appendix E.91. Relative frequency histograms of freshwater drum captured by day electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



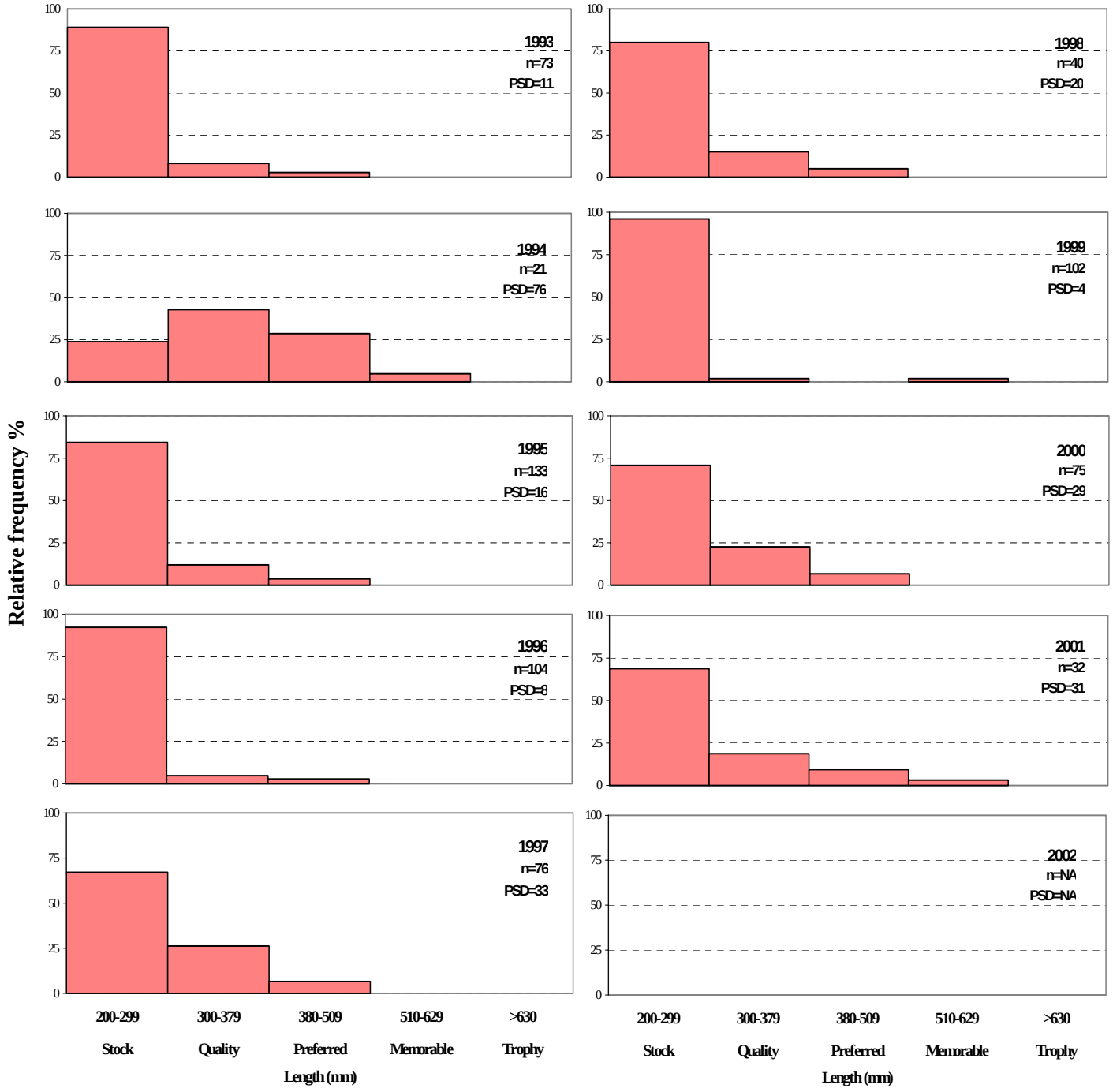
Appendix E.92. Relative frequency histograms of freshwater drum captured by night electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



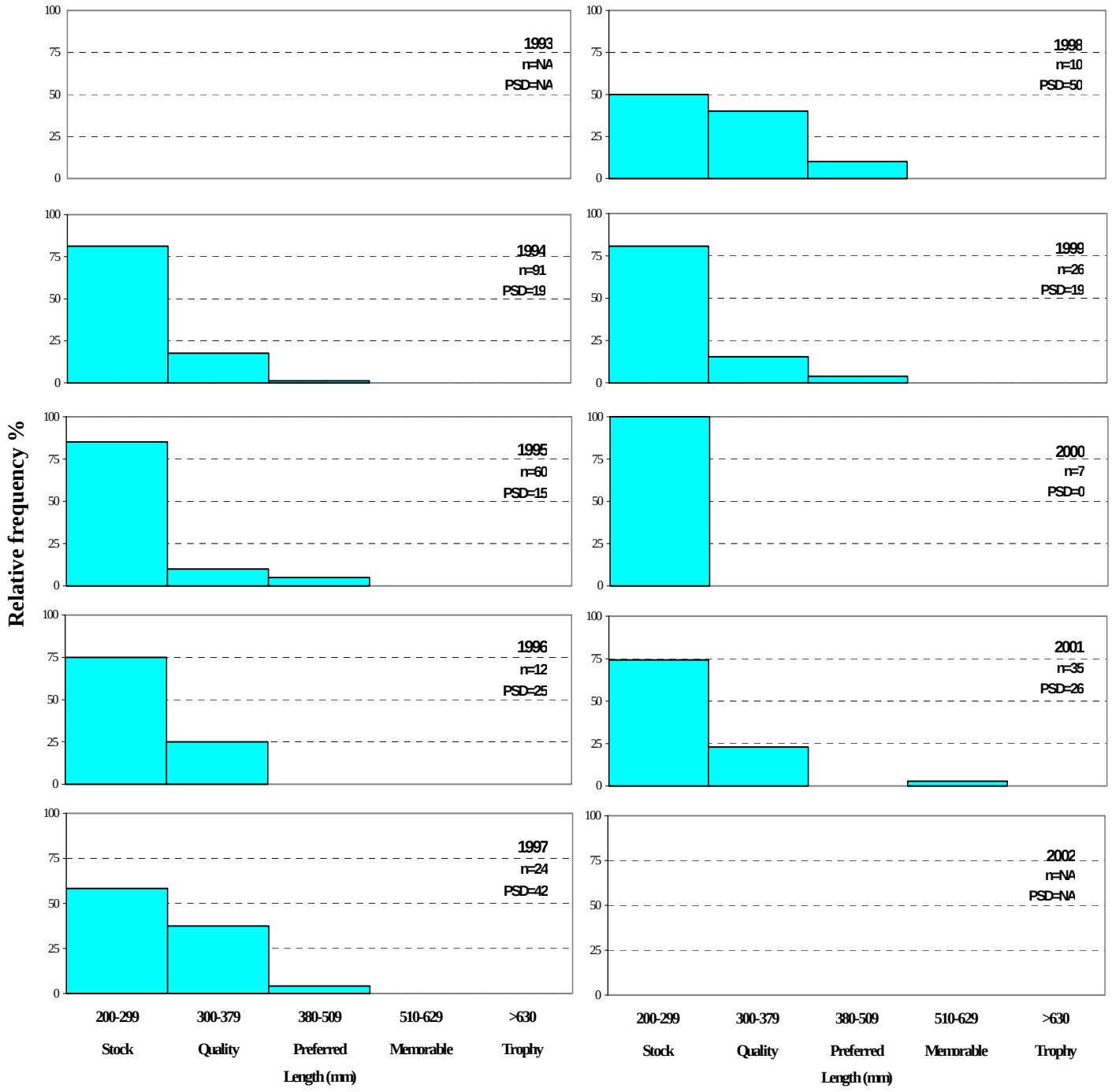
Appendix E.93. Relative frequency histograms of freshwater drum captured by night electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



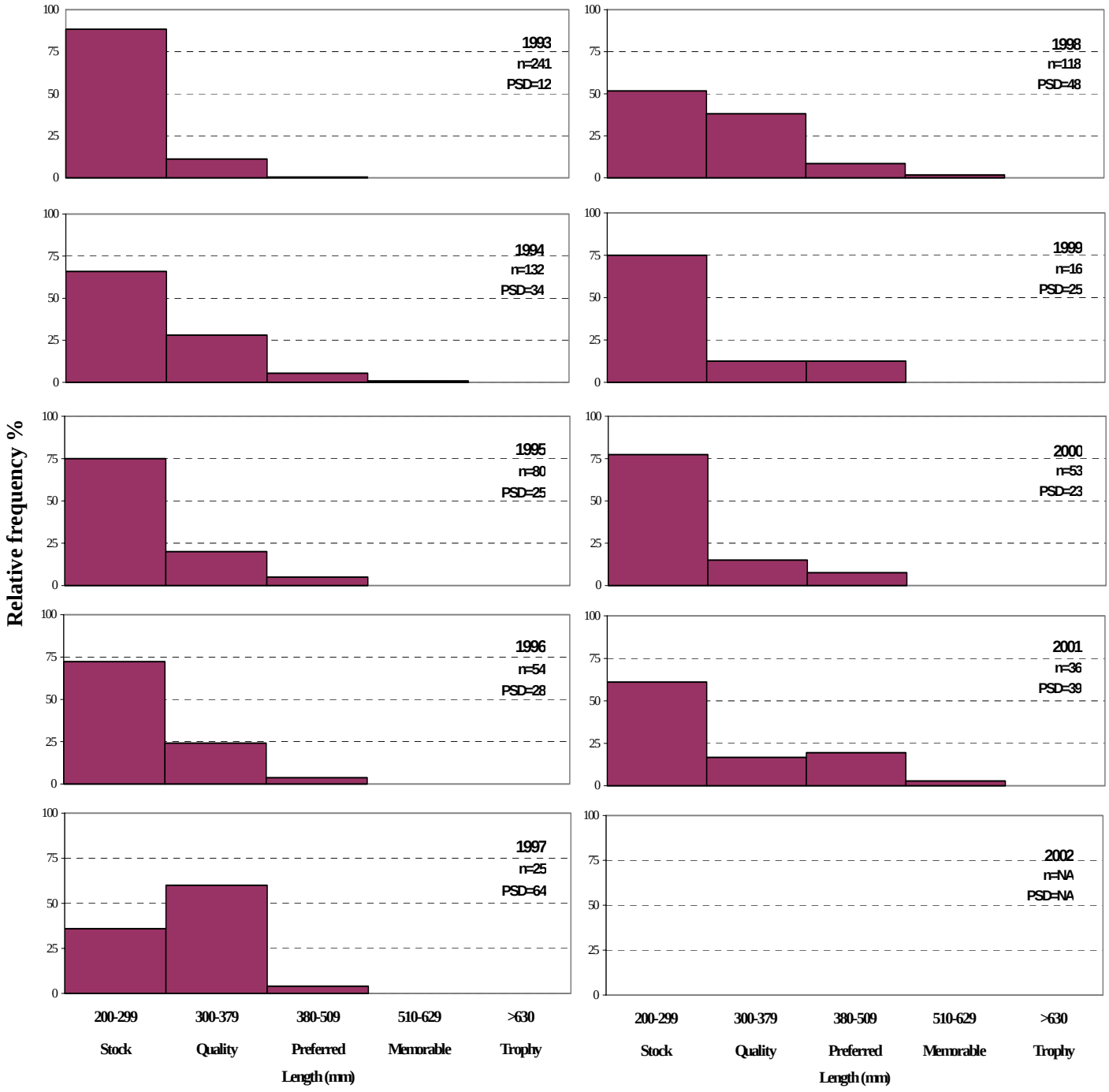
Appendix E.94. Relative frequency histograms of freshwater drum captured by night electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



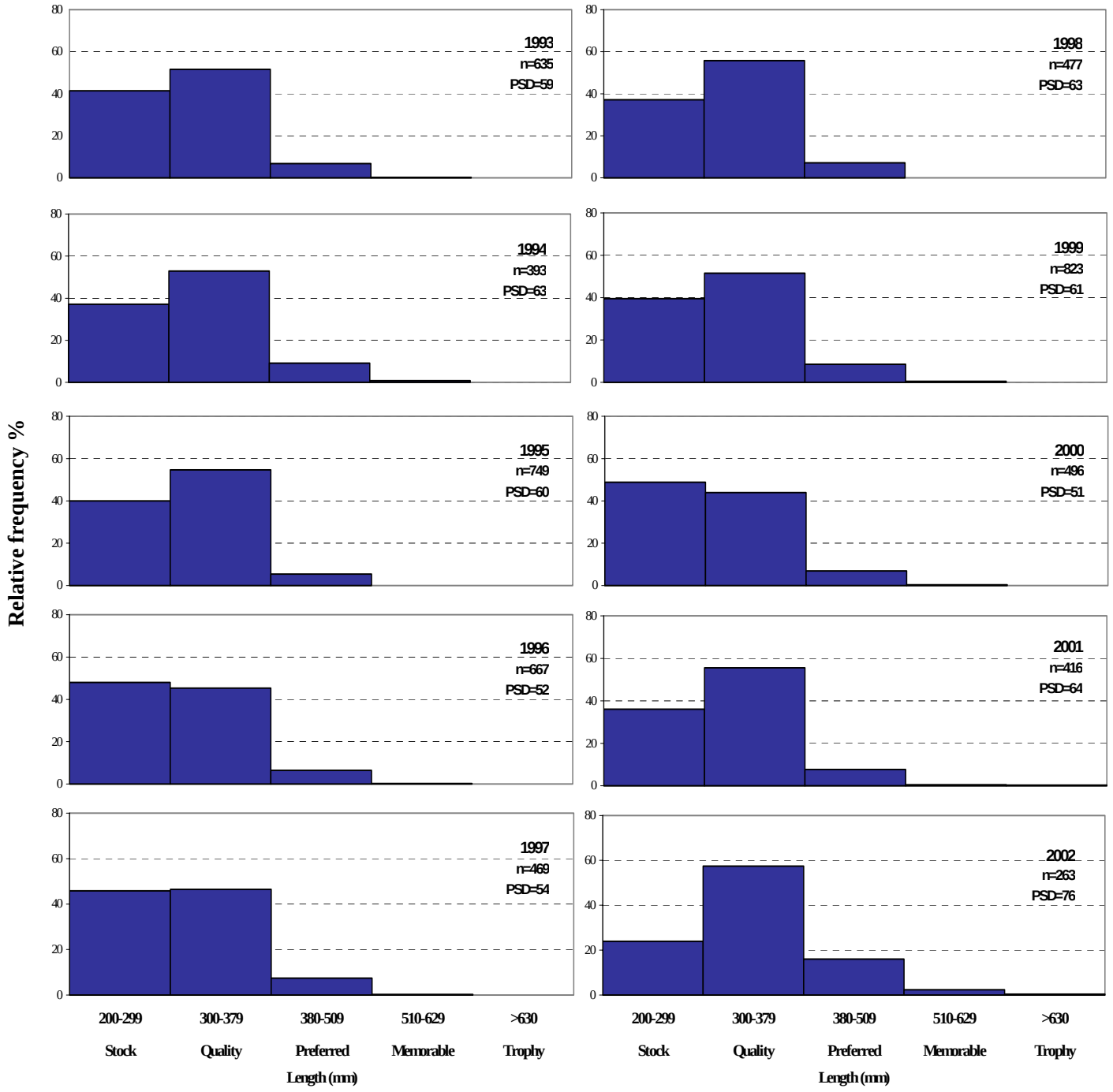
Appendix E.95. Relative frequency histograms of freshwater drum captured by night electrofishing in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



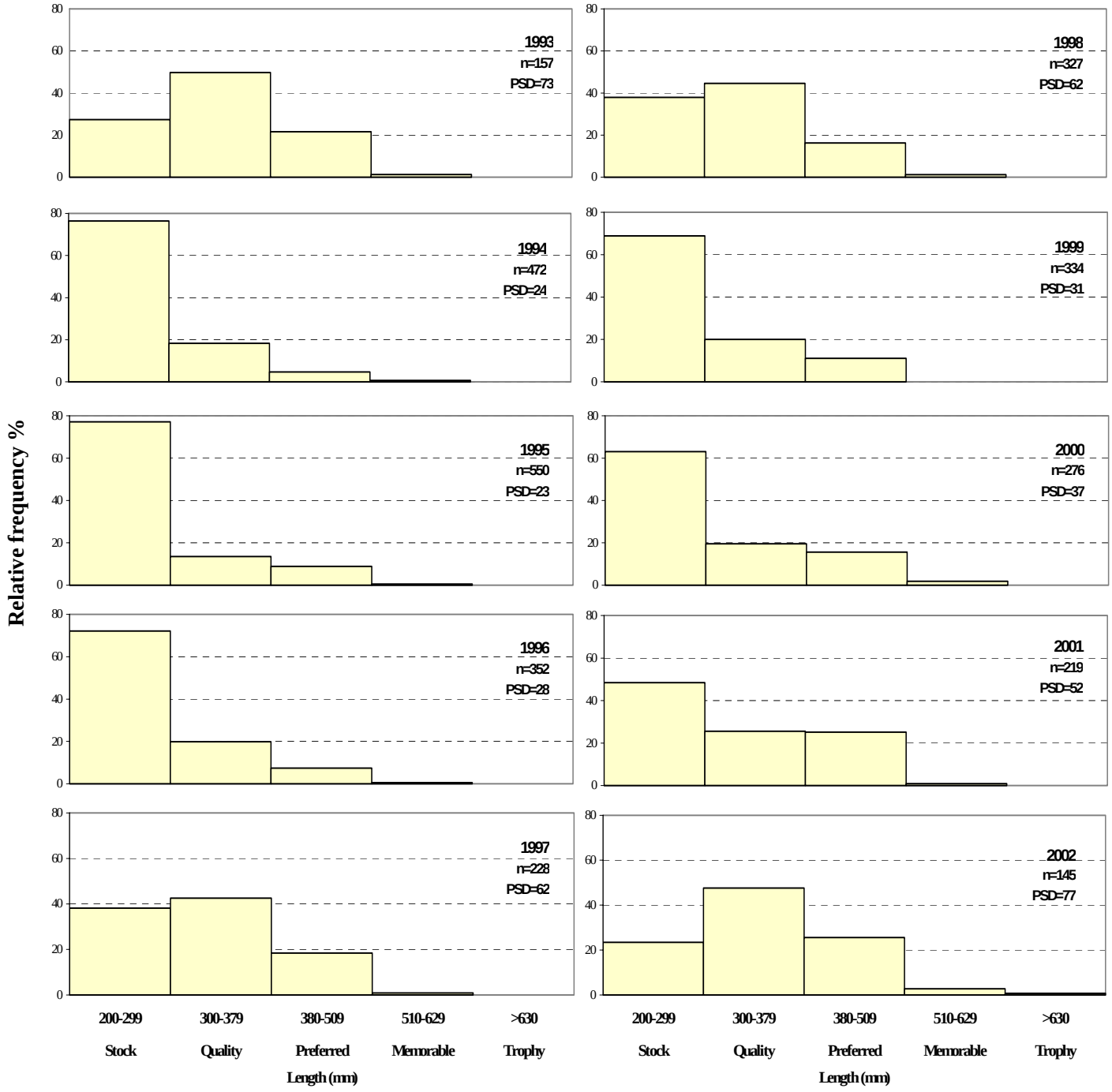
Appendix E.96. Relative frequency histograms of freshwater drum captured by night electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



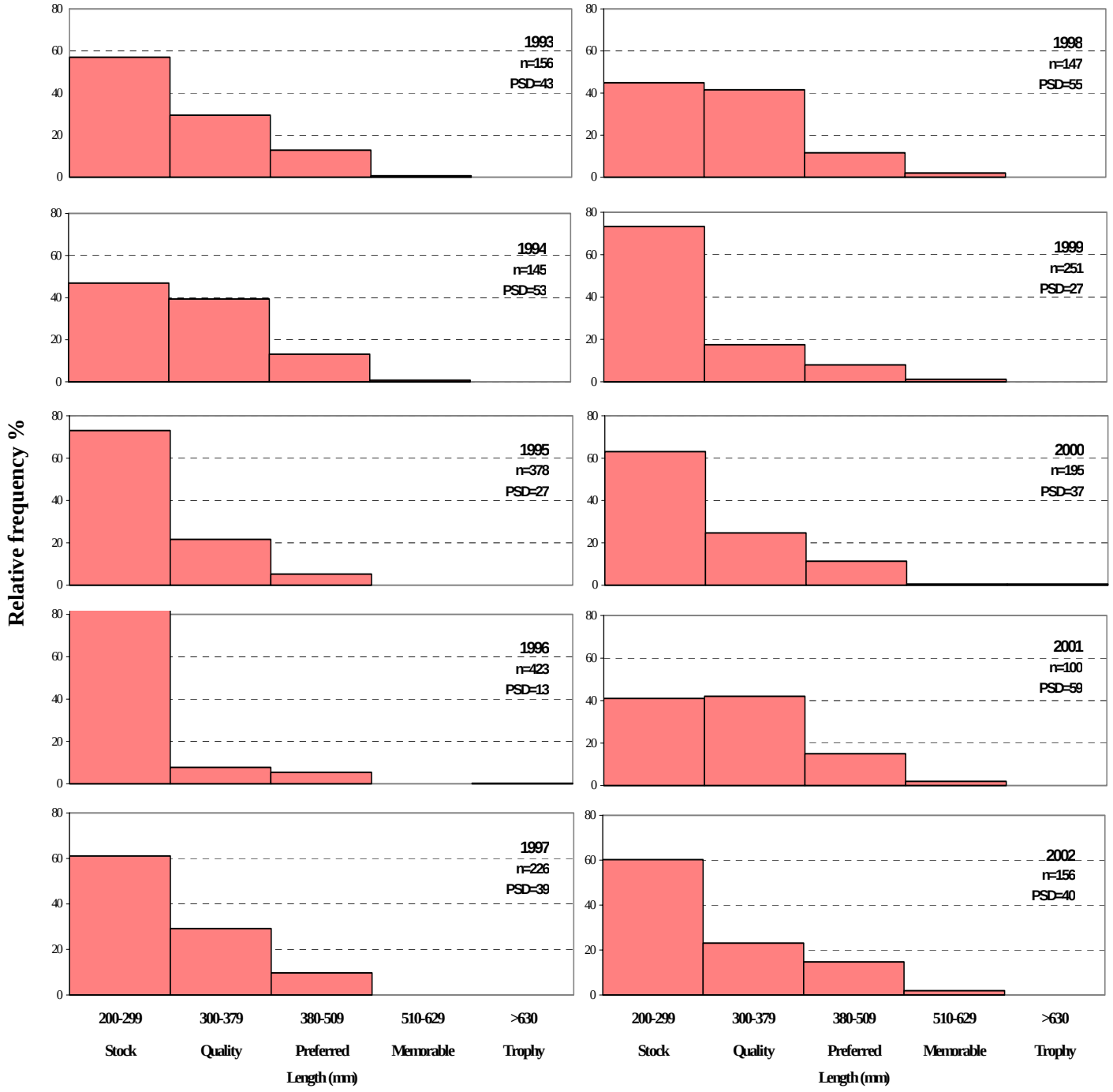
Appendix E.97. Relative frequency histograms of freshwater drum captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



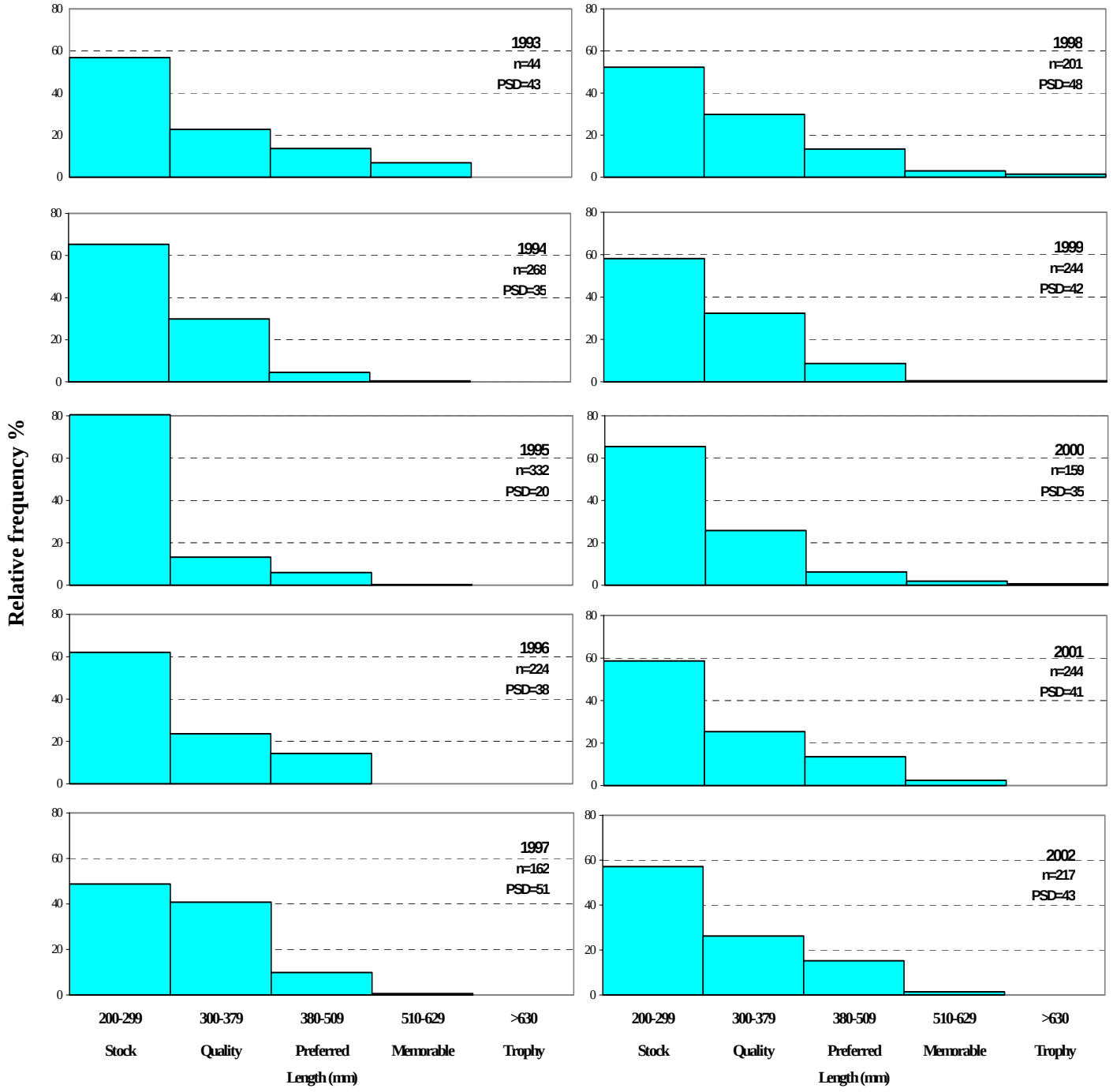
Appendix E.98. Relative frequency histograms of freshwater drum captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



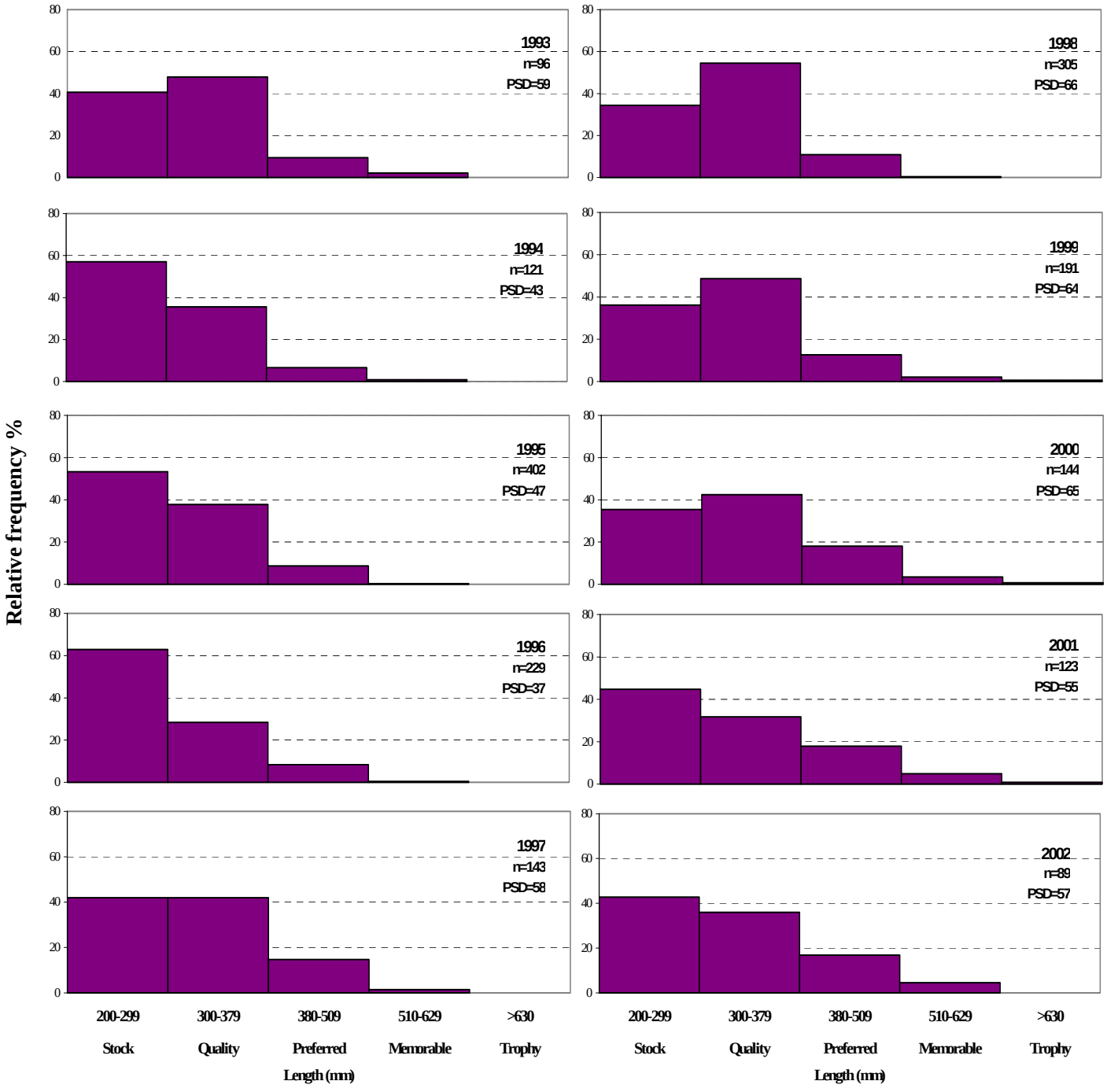
Appendix E.99. Relative frequency histograms of freshwater drum captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



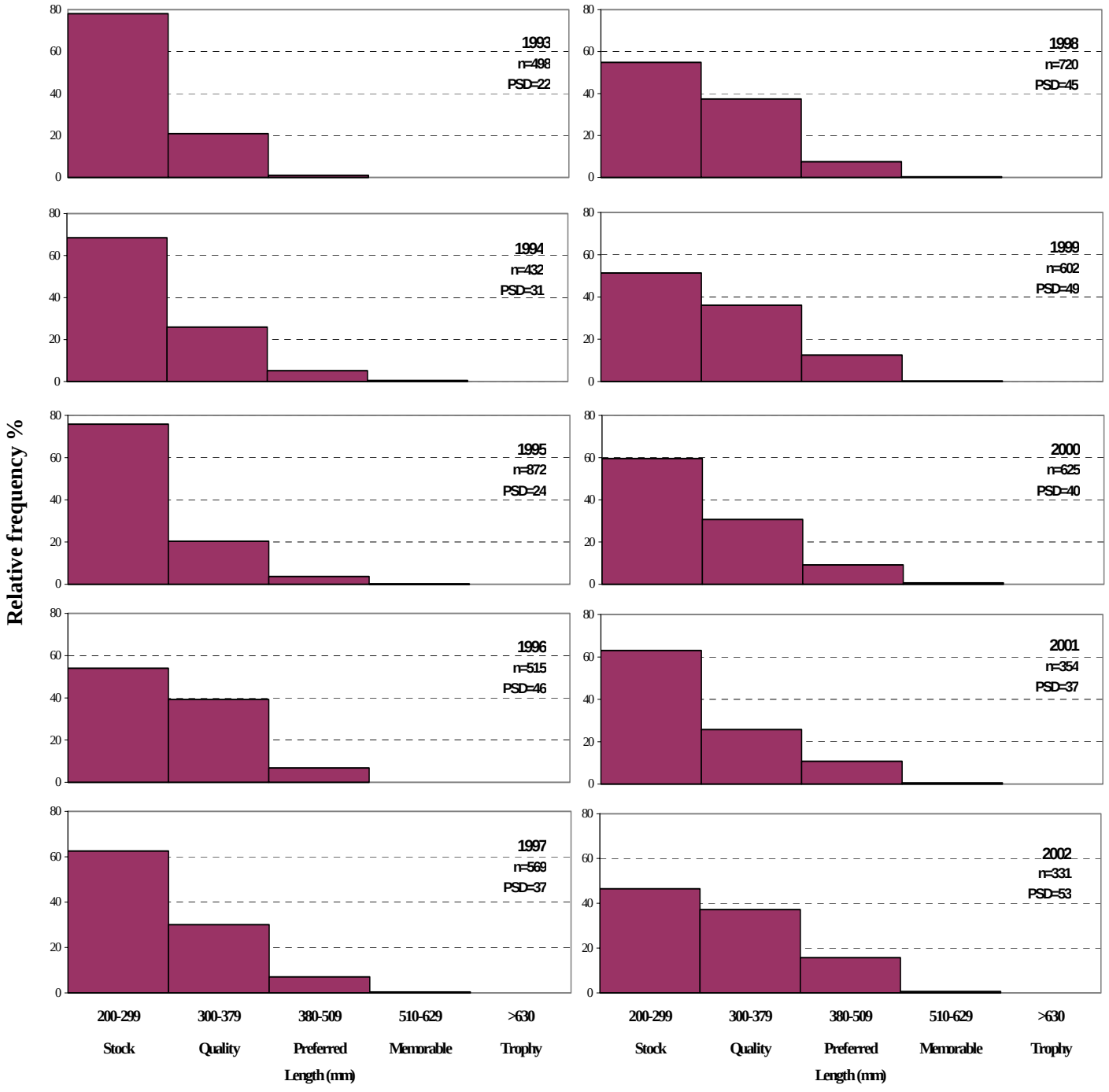
Appendix E.100. Relative frequency histograms of freshwater drum captured by all gears in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



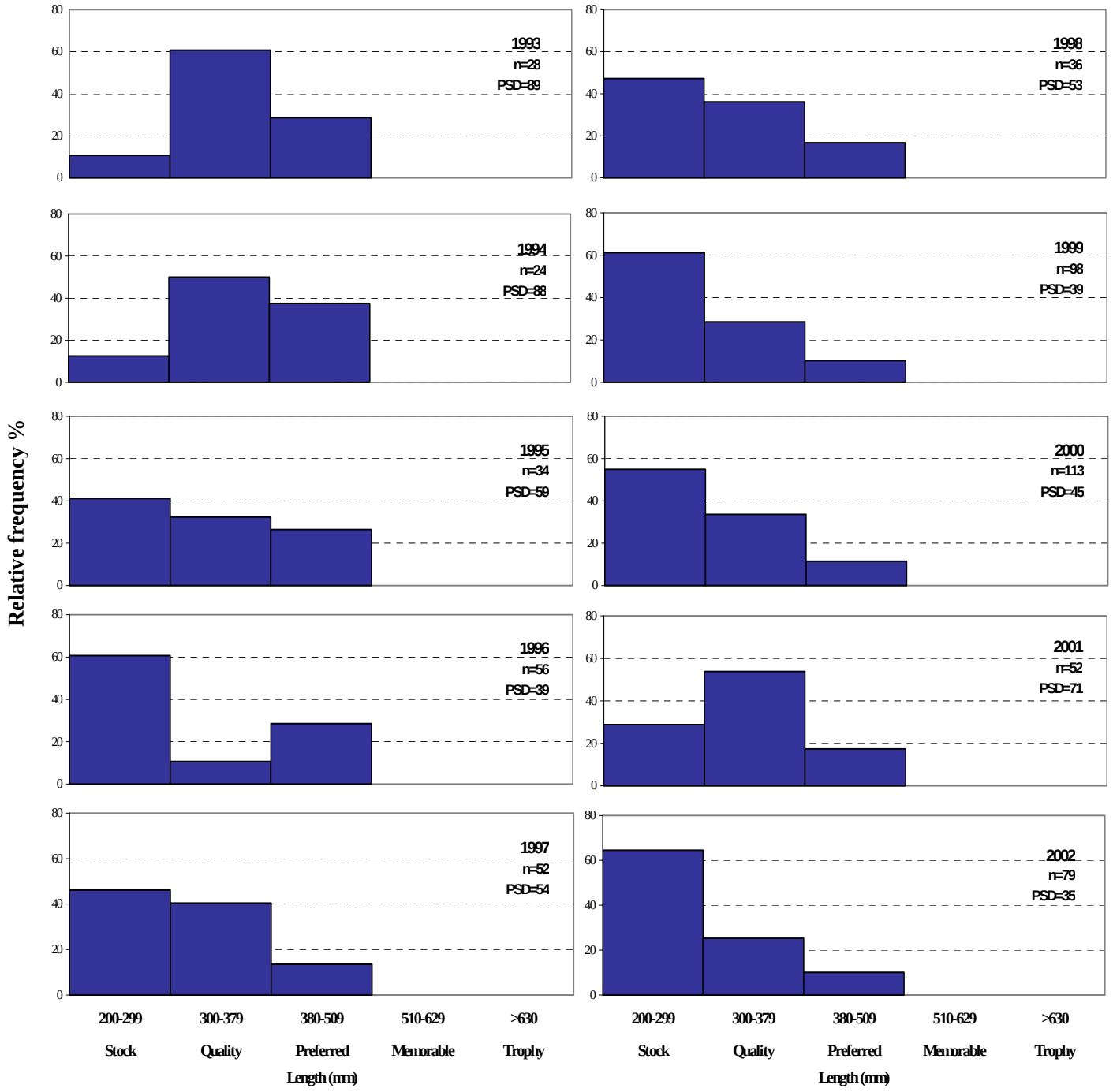
Appendix E.101. Relative frequency histograms of freshwater drum captured by all gears in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



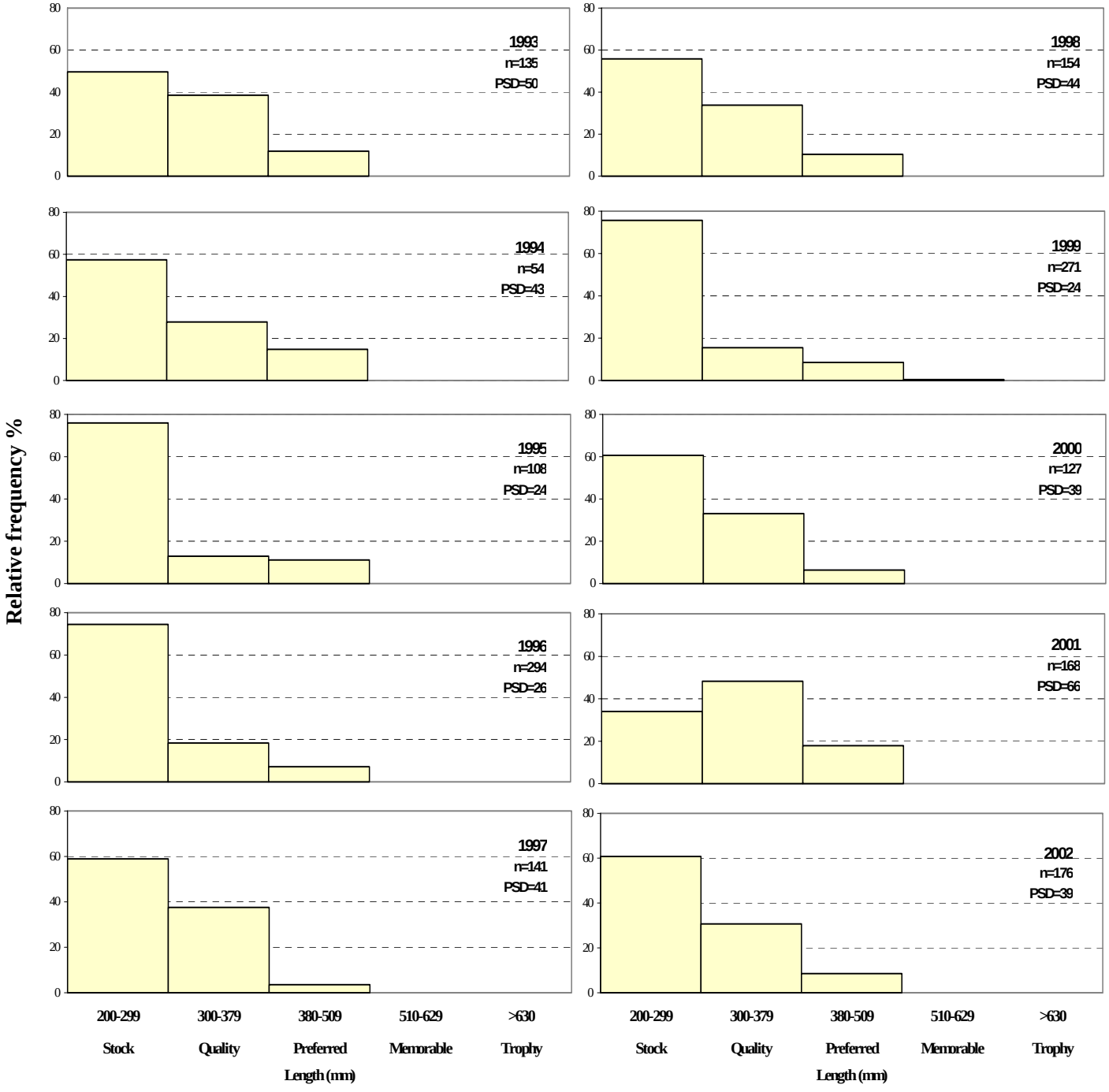
Appendix E.102. Relative frequency histograms of freshwater drum captured by all gears in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



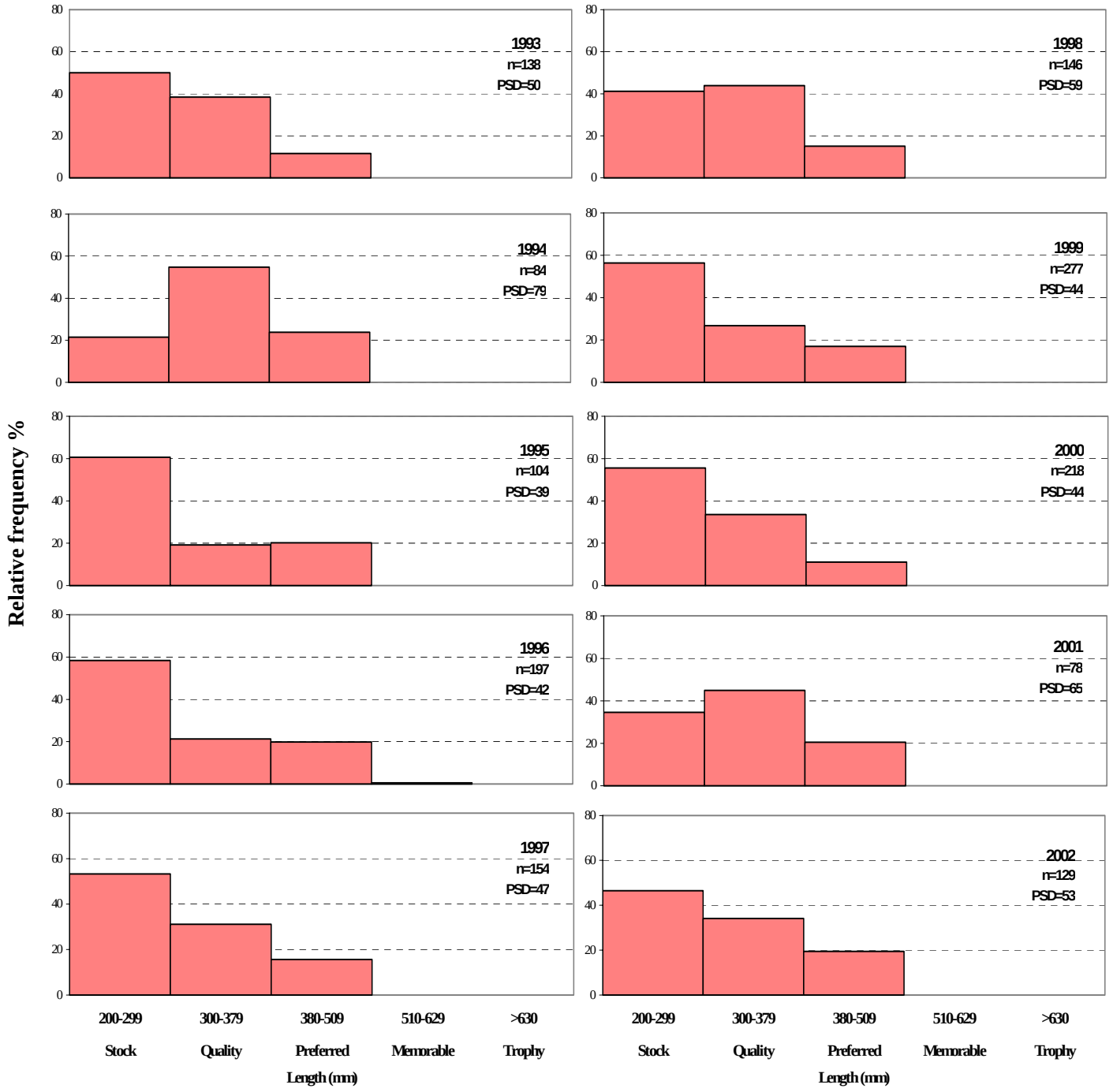
Appendix E.103. Relative frequency histograms of largemouth bass captured by day electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



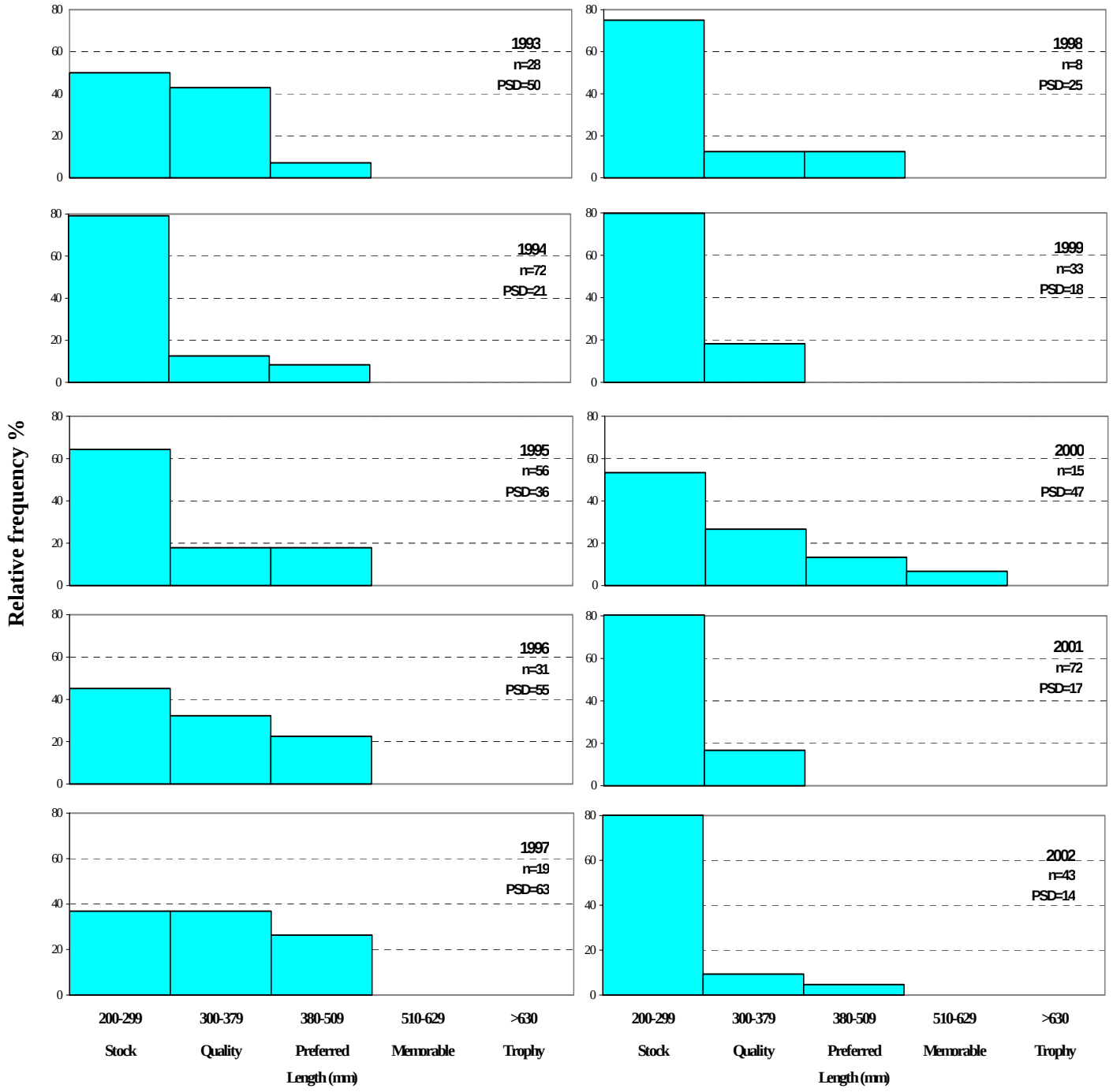
Appendix E.104. Relative frequency histograms of largemouth bass captured by day electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



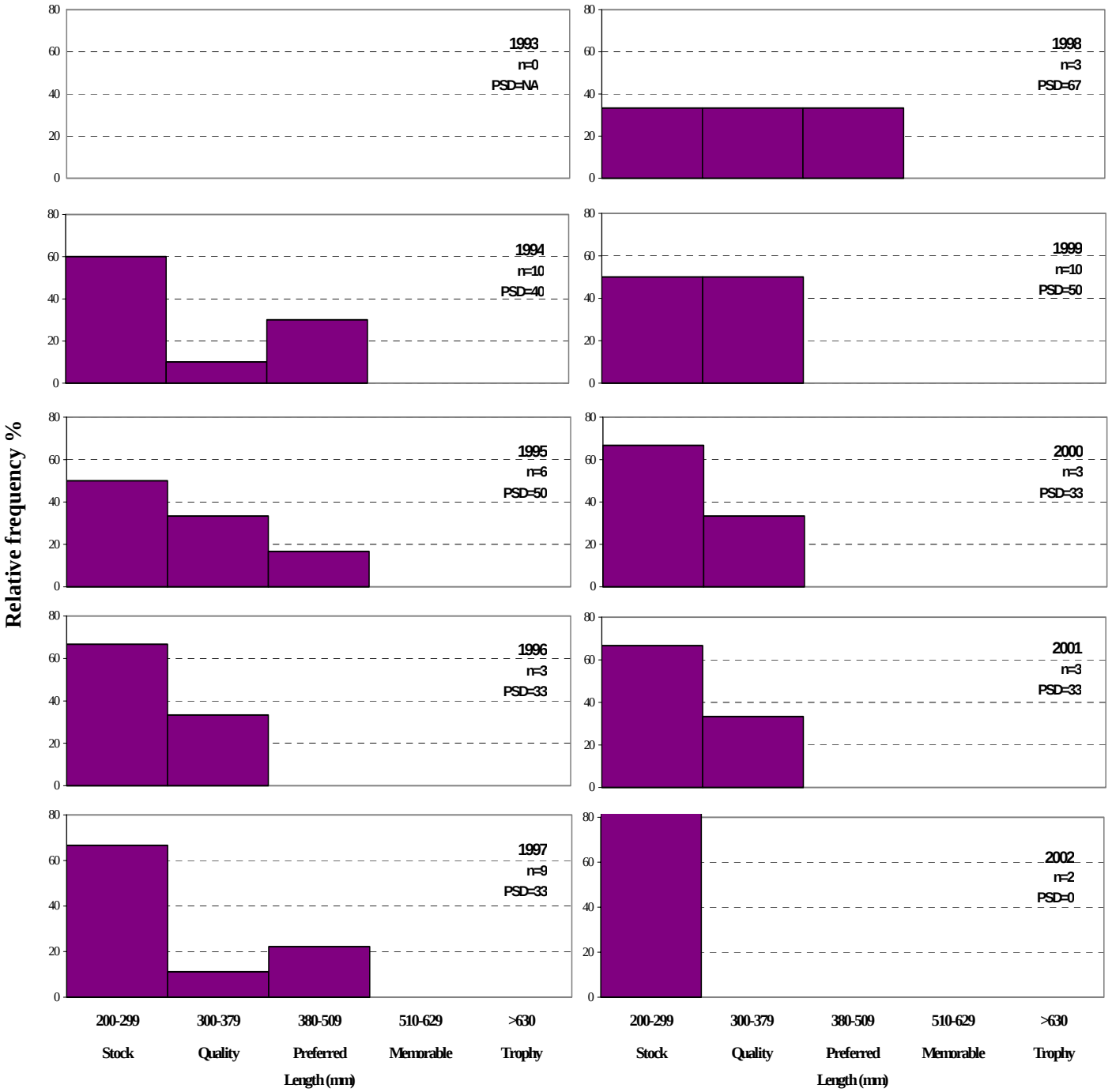
Appendix E.105. Relative frequency histograms of largemouth bass captured by day electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



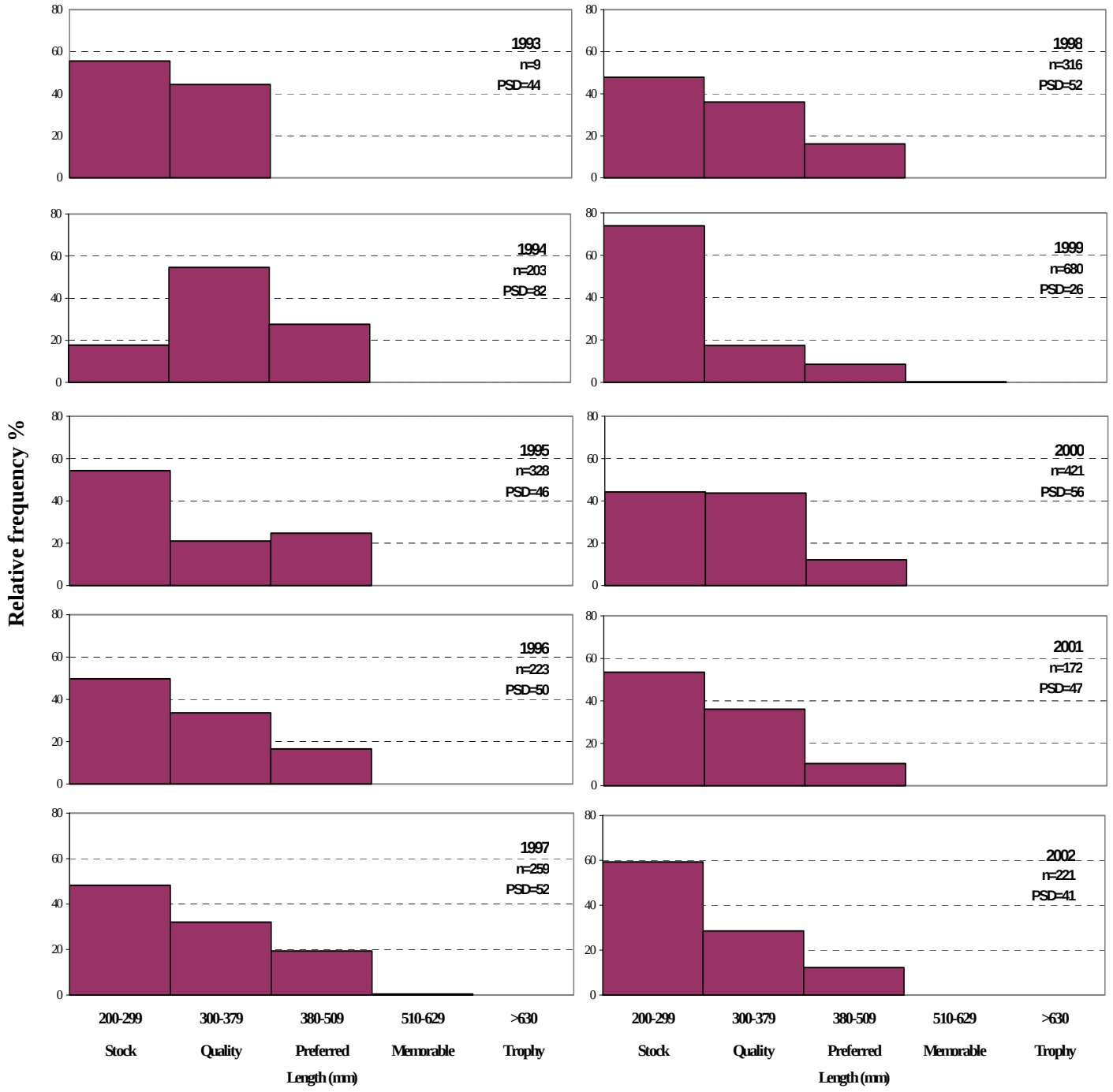
Appendix E.106. Relative frequency histograms of largemouth bass captured by day electrofishing in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



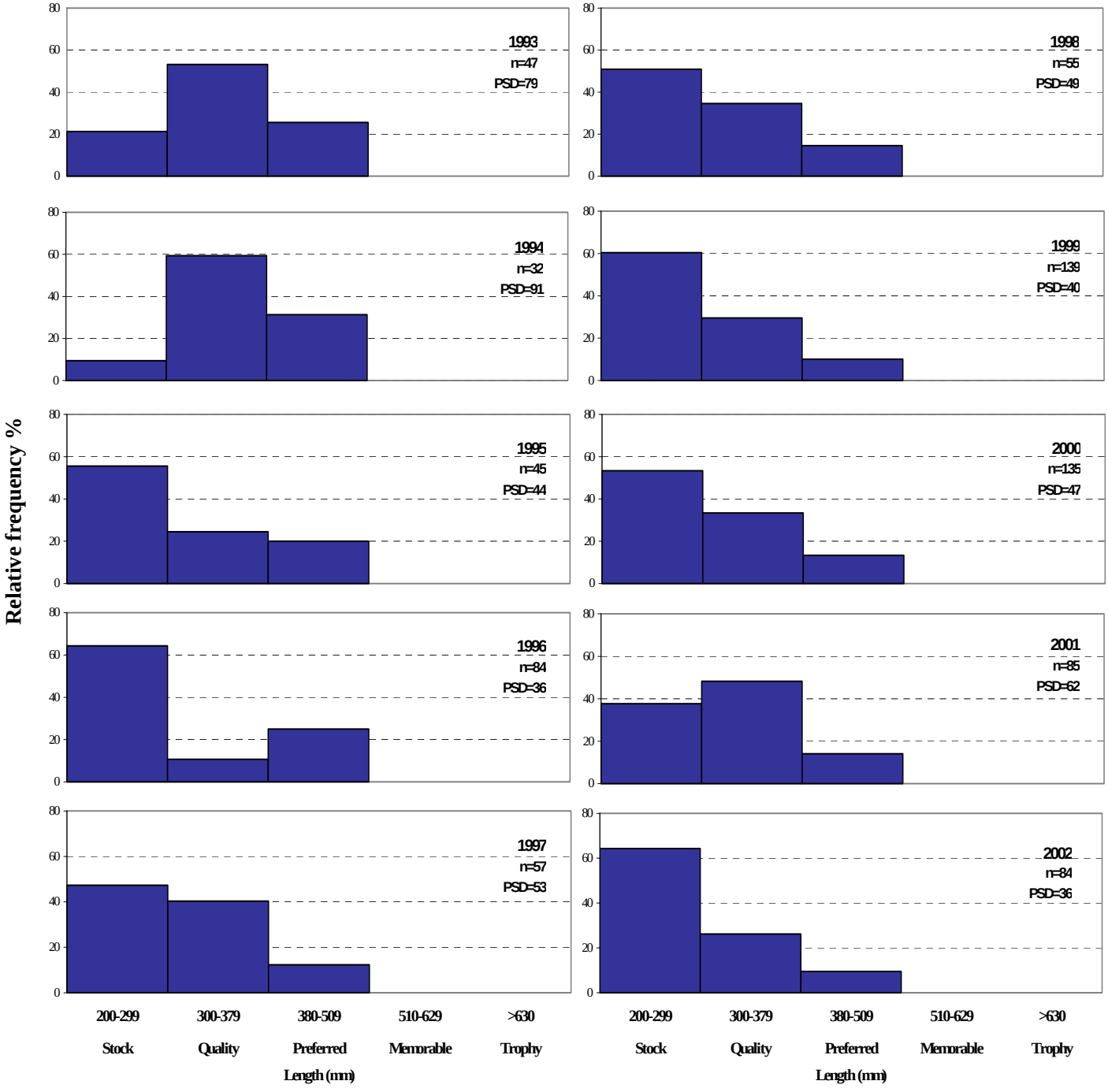
Appendix E.107. Relative frequency histograms of largemouth bass captured by day electrofishing in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



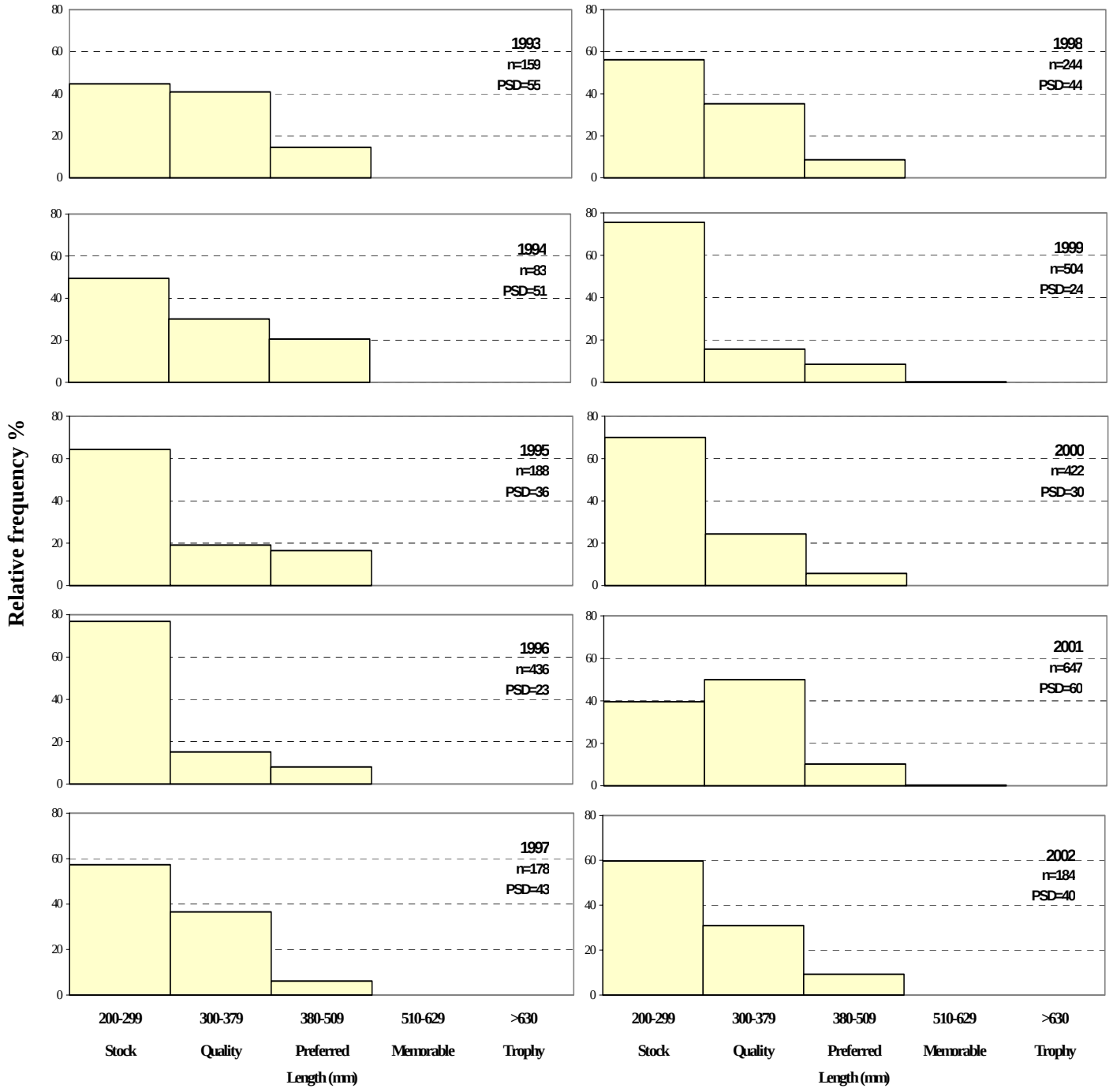
Appendix E.108. Relative frequency histograms of largemouth bass captured by day electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



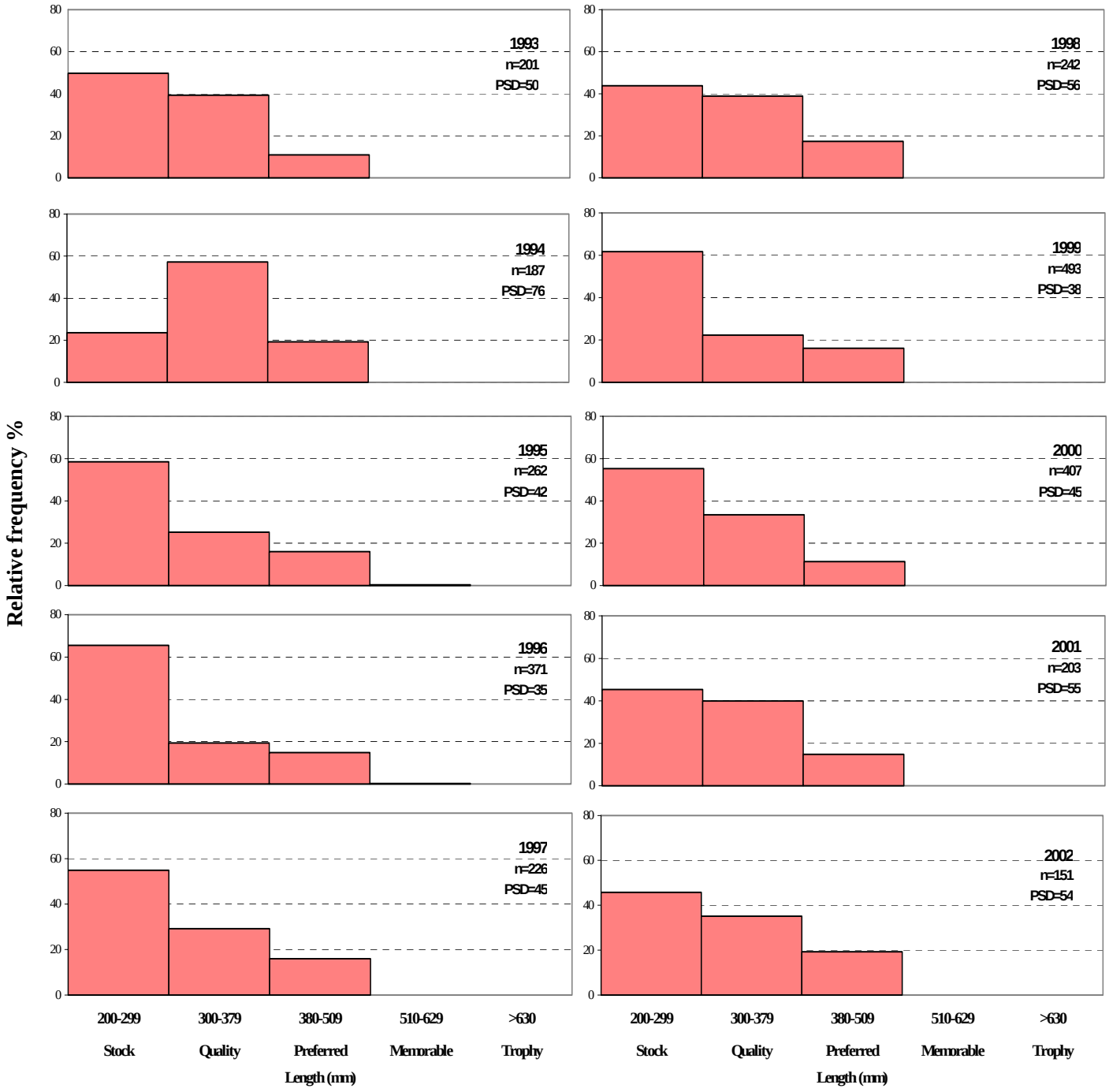
Appendix E.109. Relative frequency histograms of largemouth bass captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



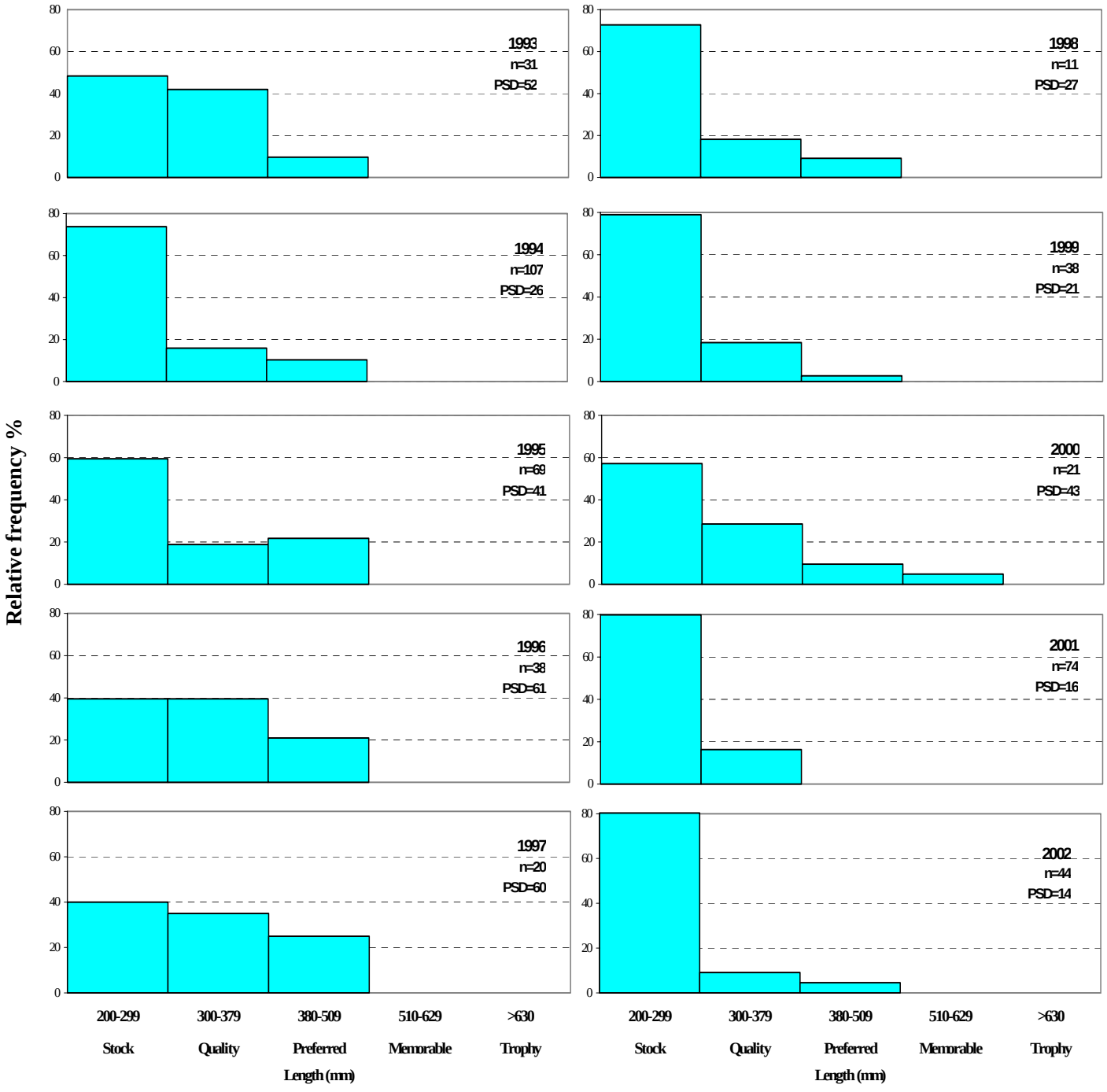
Appendix E.110. Relative frequency histograms of largemouth bass captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



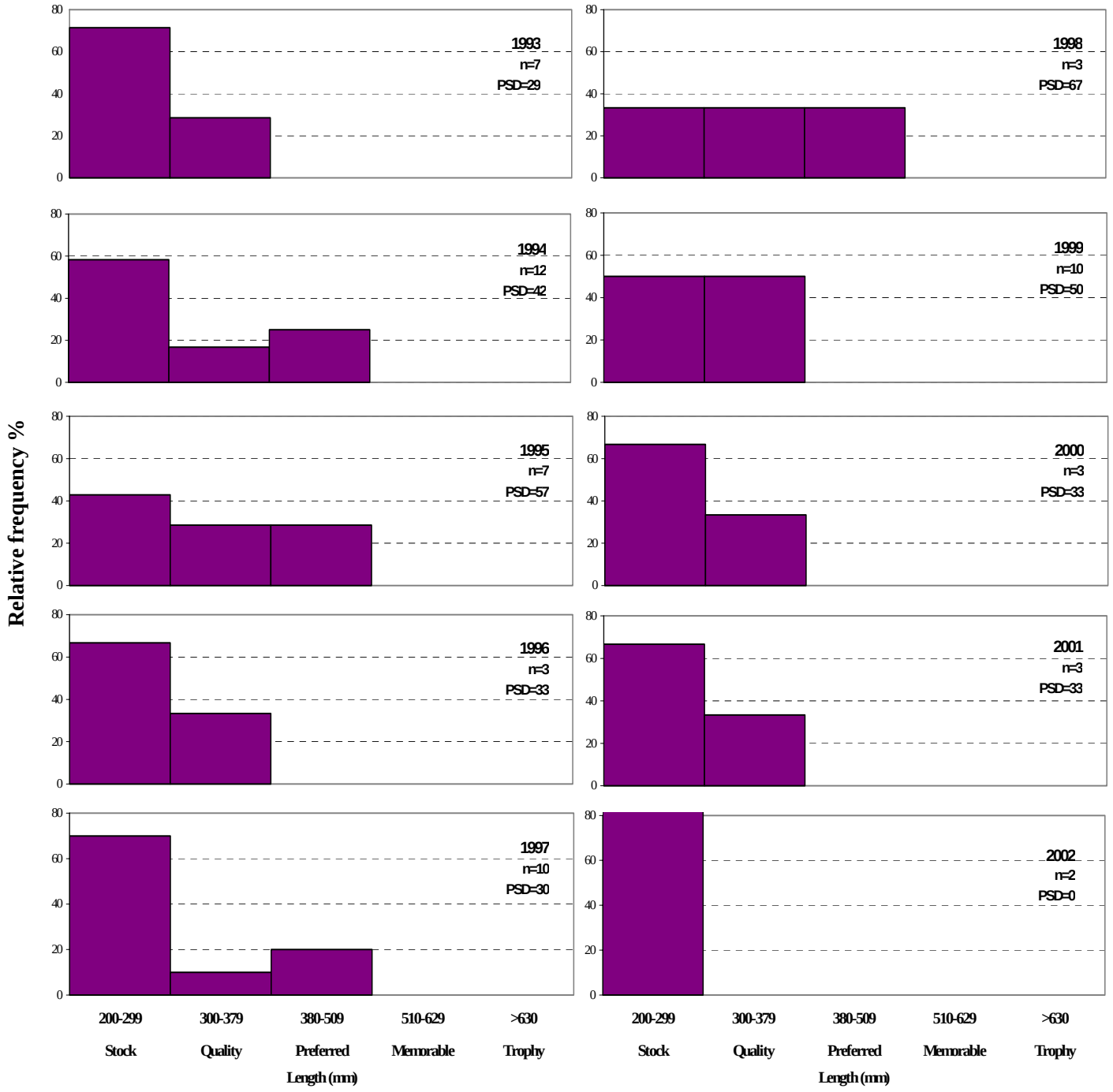
Appendix E.111. Relative frequency histograms of largemouth bass captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



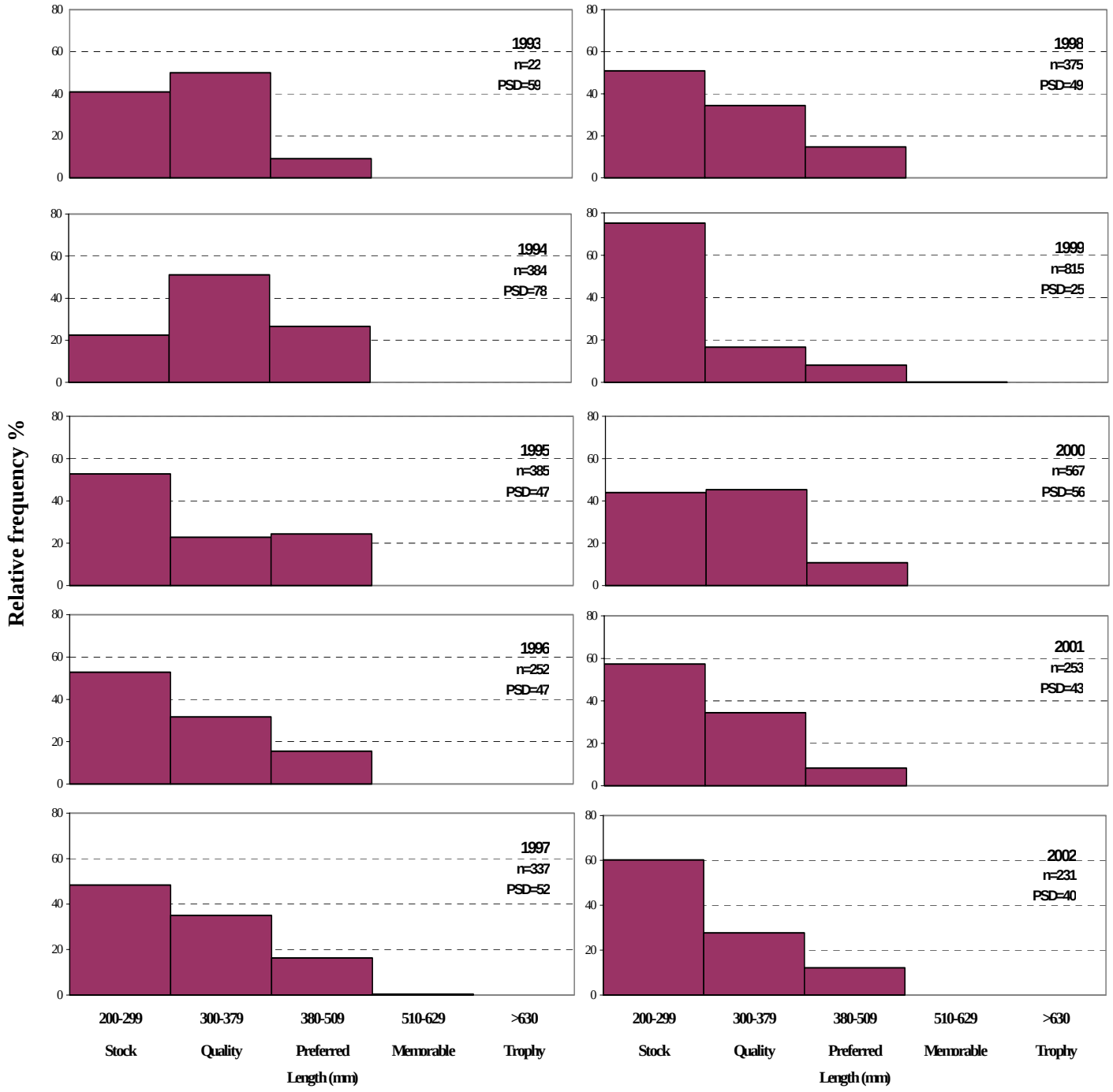
Appendix E.112. Relative frequency histograms of largemouth bass captured by all gears in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



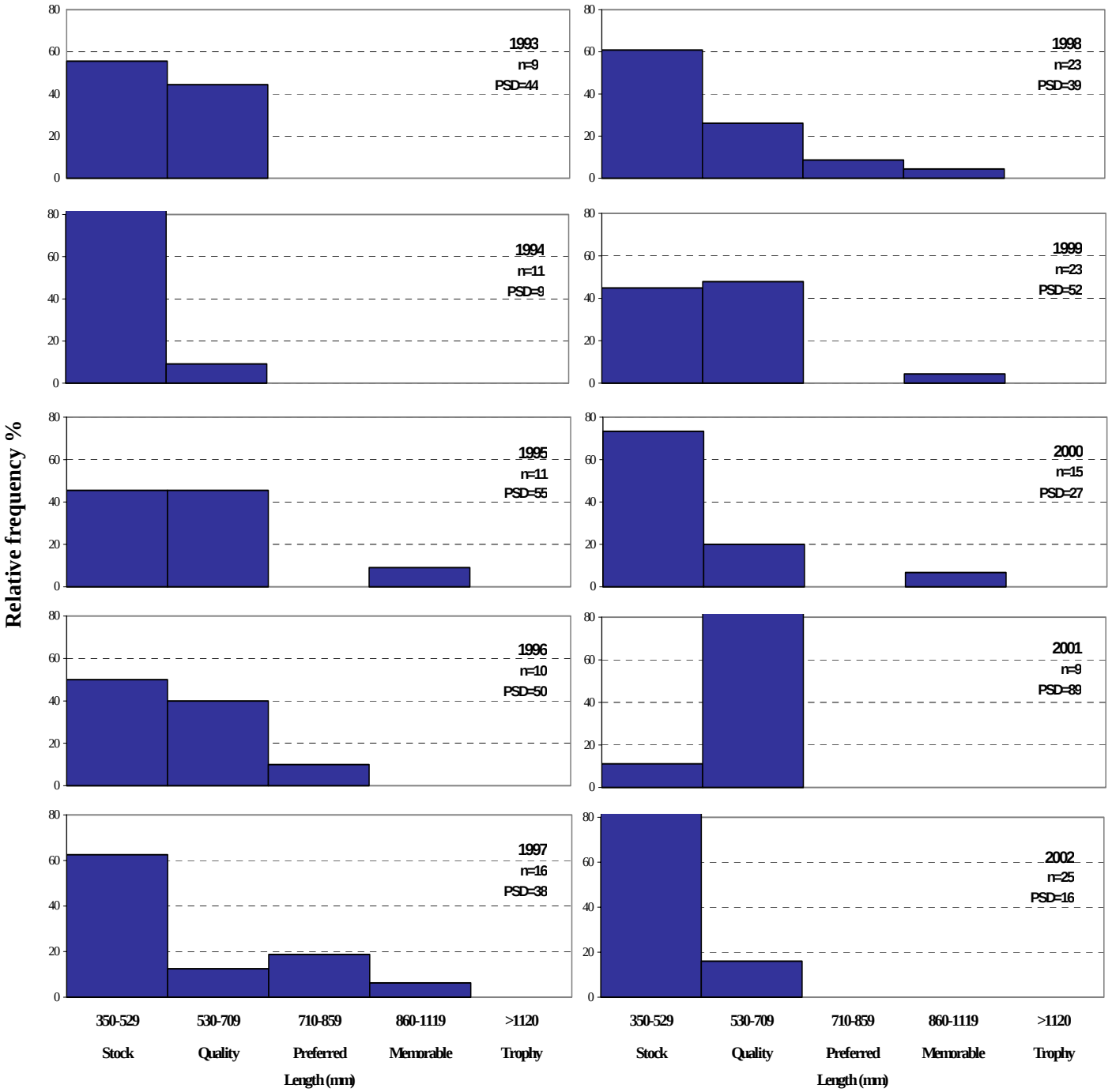
Appendix E.113. Relative frequency histograms of largemouth bass captured by all gears in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



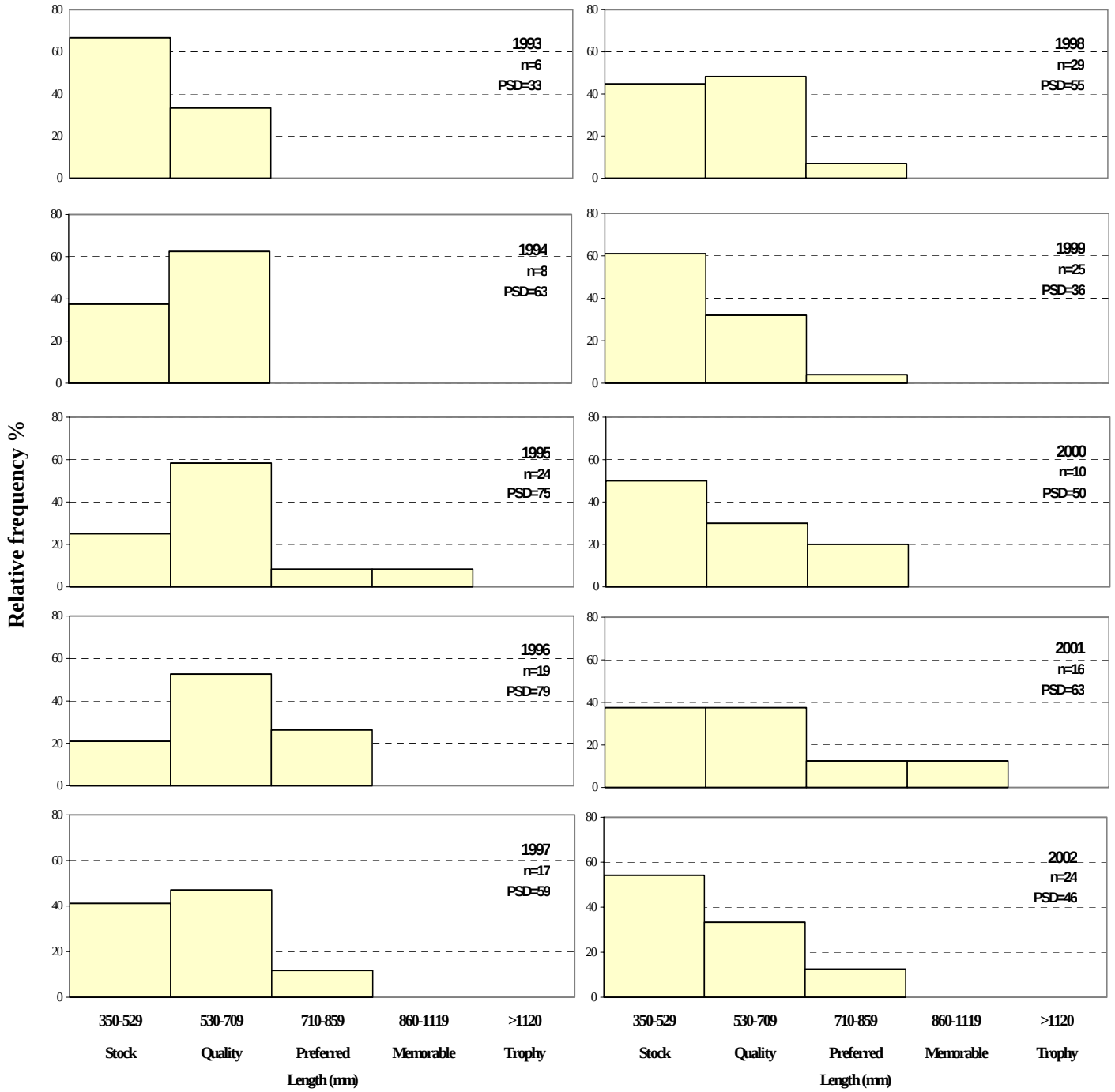
Appendix E.114. Relative frequency histograms of largemouth bass captured by all gears in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



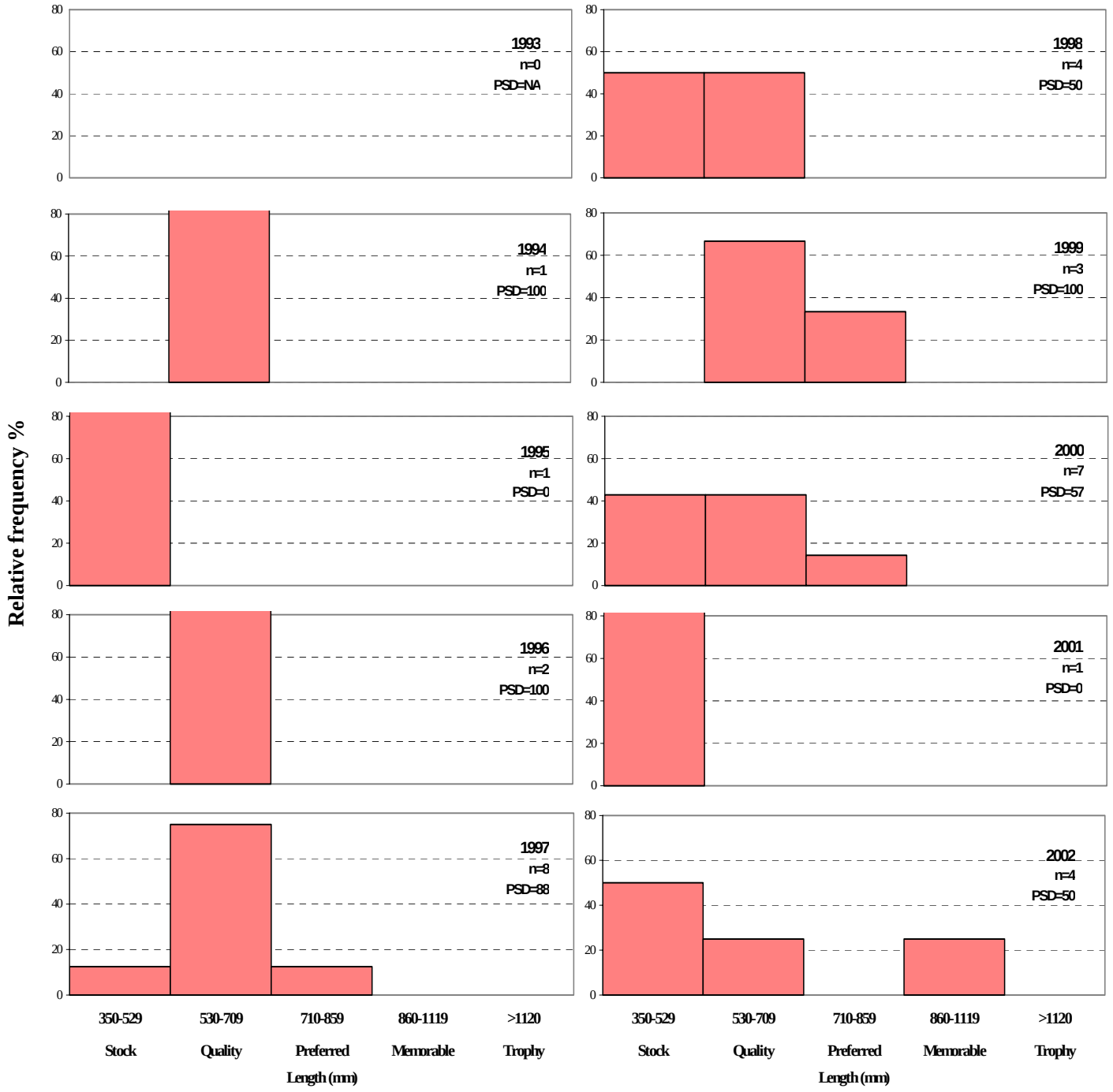
Appendix E.115. Relative frequency histograms of northern pike captured by day electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



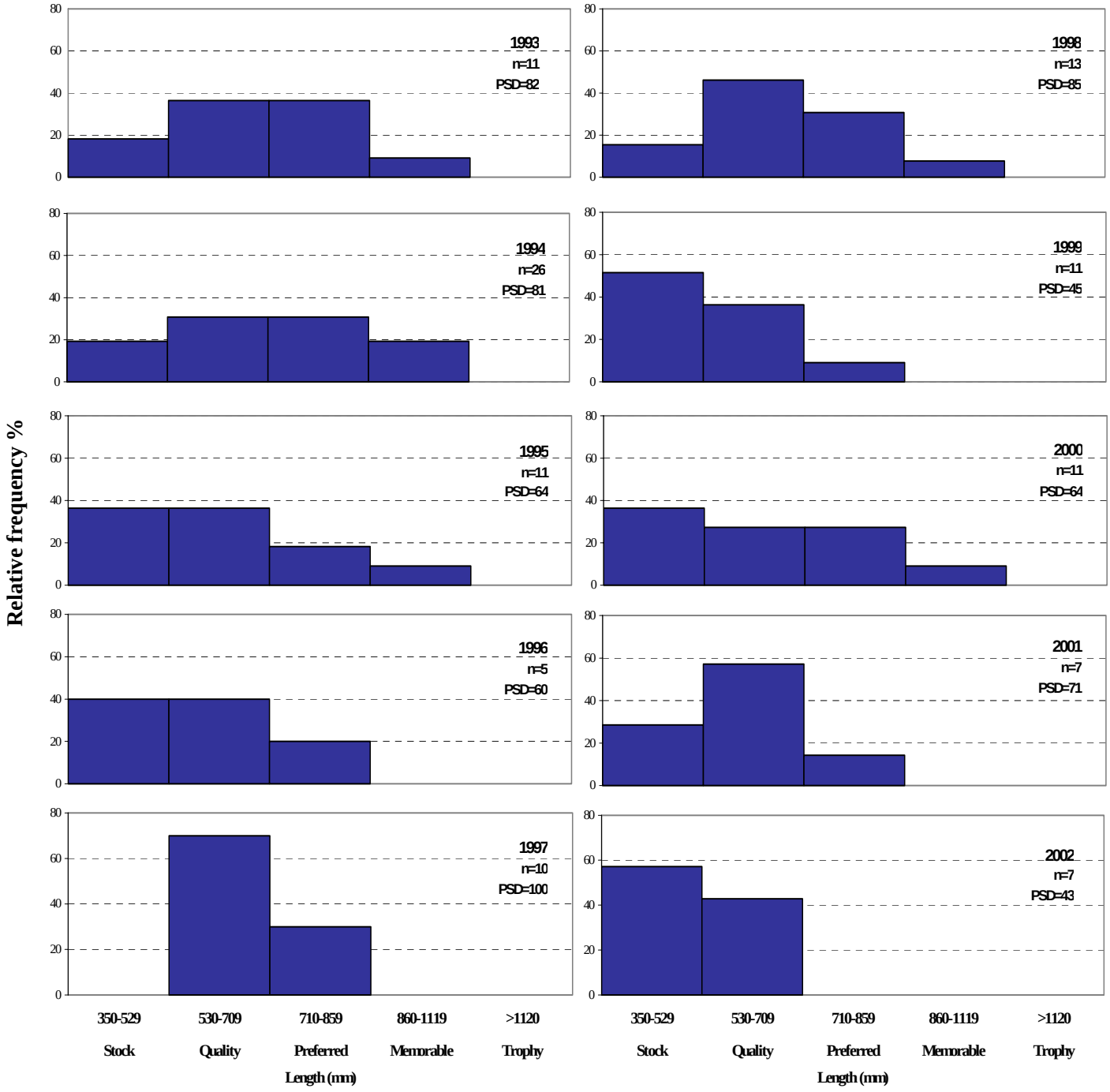
Appendix E.116. Relative frequency histograms of northern pike captured by day electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



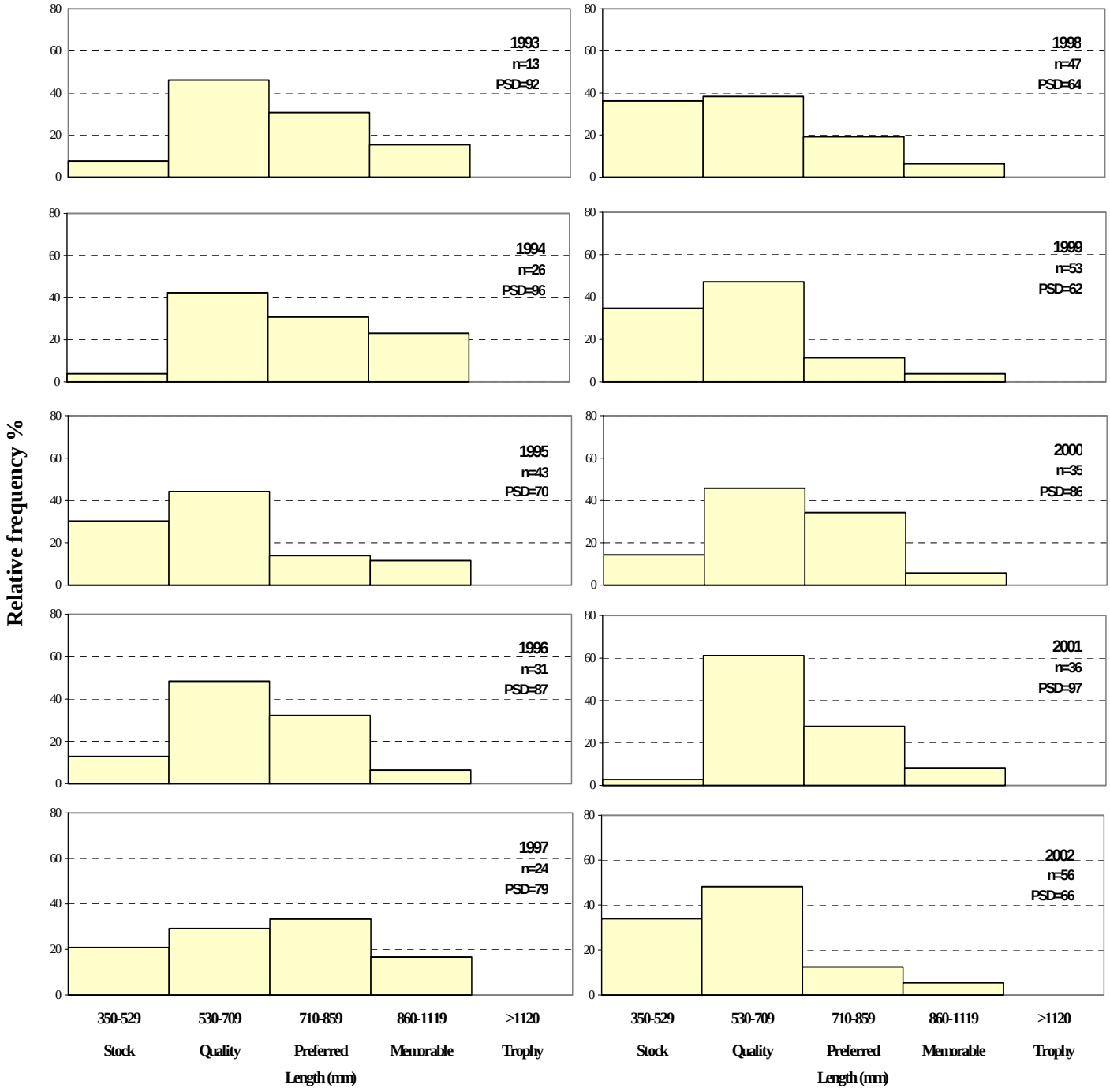
Appendix E.117. Relative frequency histograms of northern pike captured by day electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



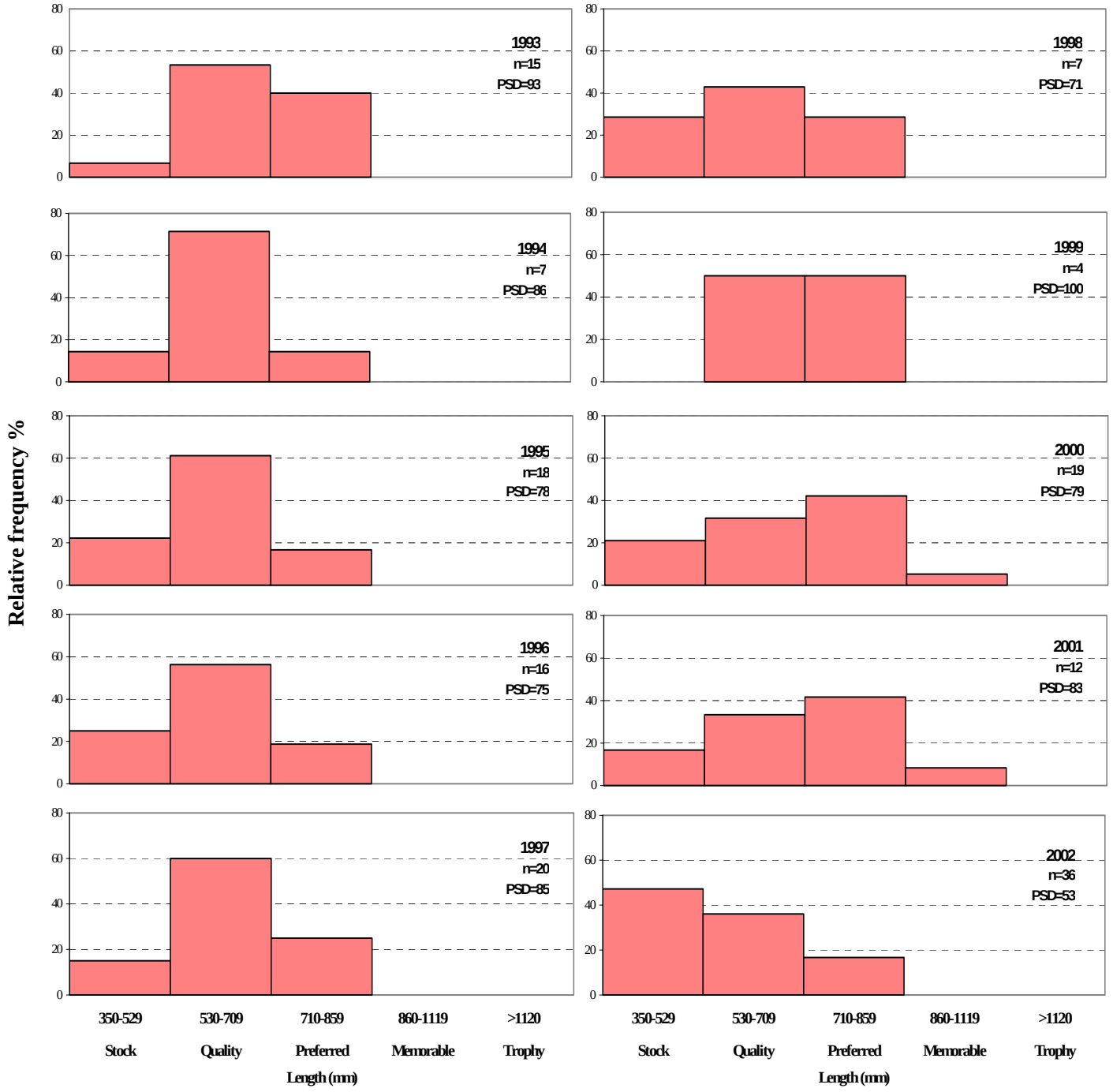
Appendix E.118. Relative frequency histograms of northern pike captured by fyke netting in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



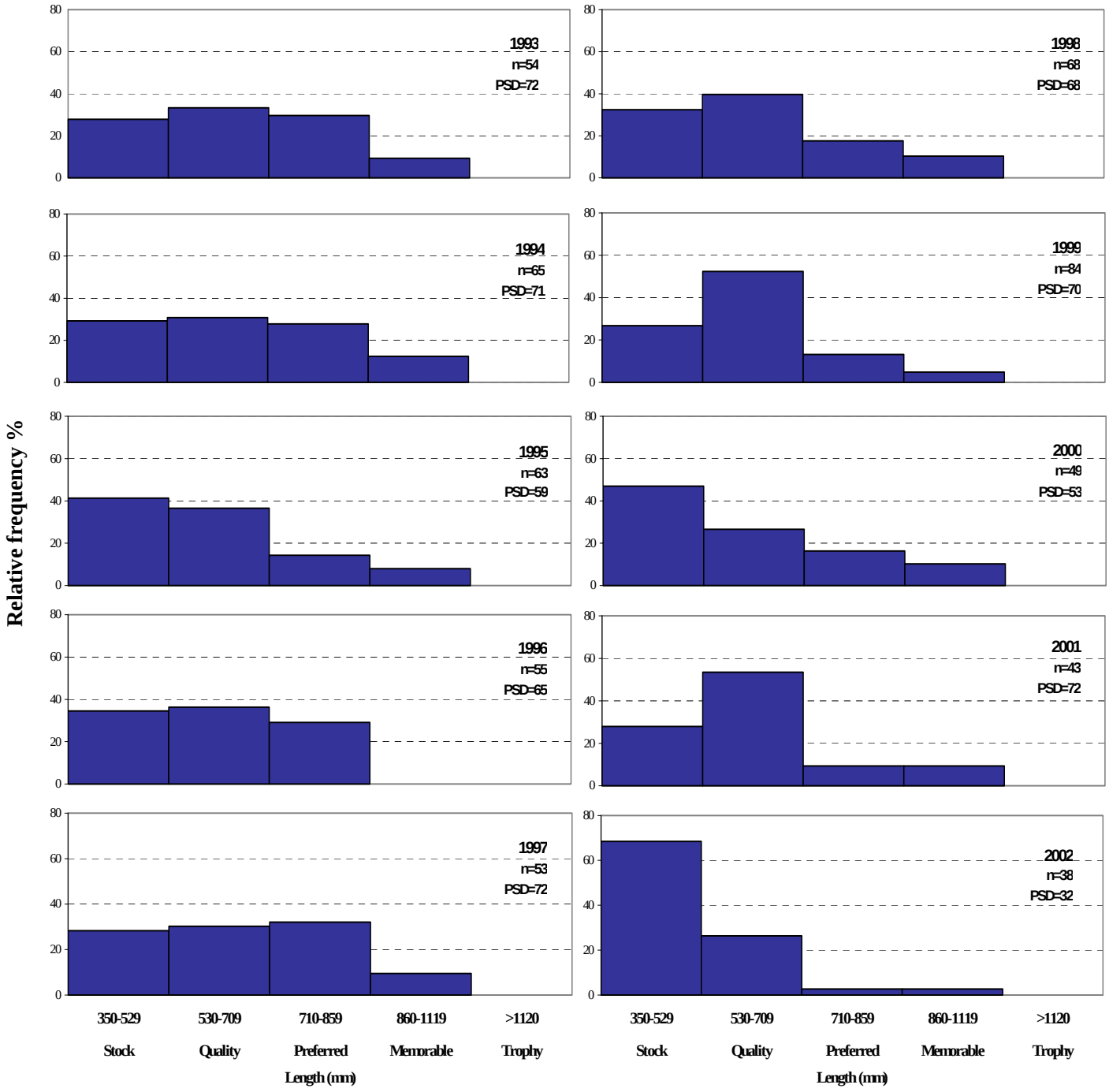
Appendix E.119. Relative frequency histograms of northern pike captured by fyke netting in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



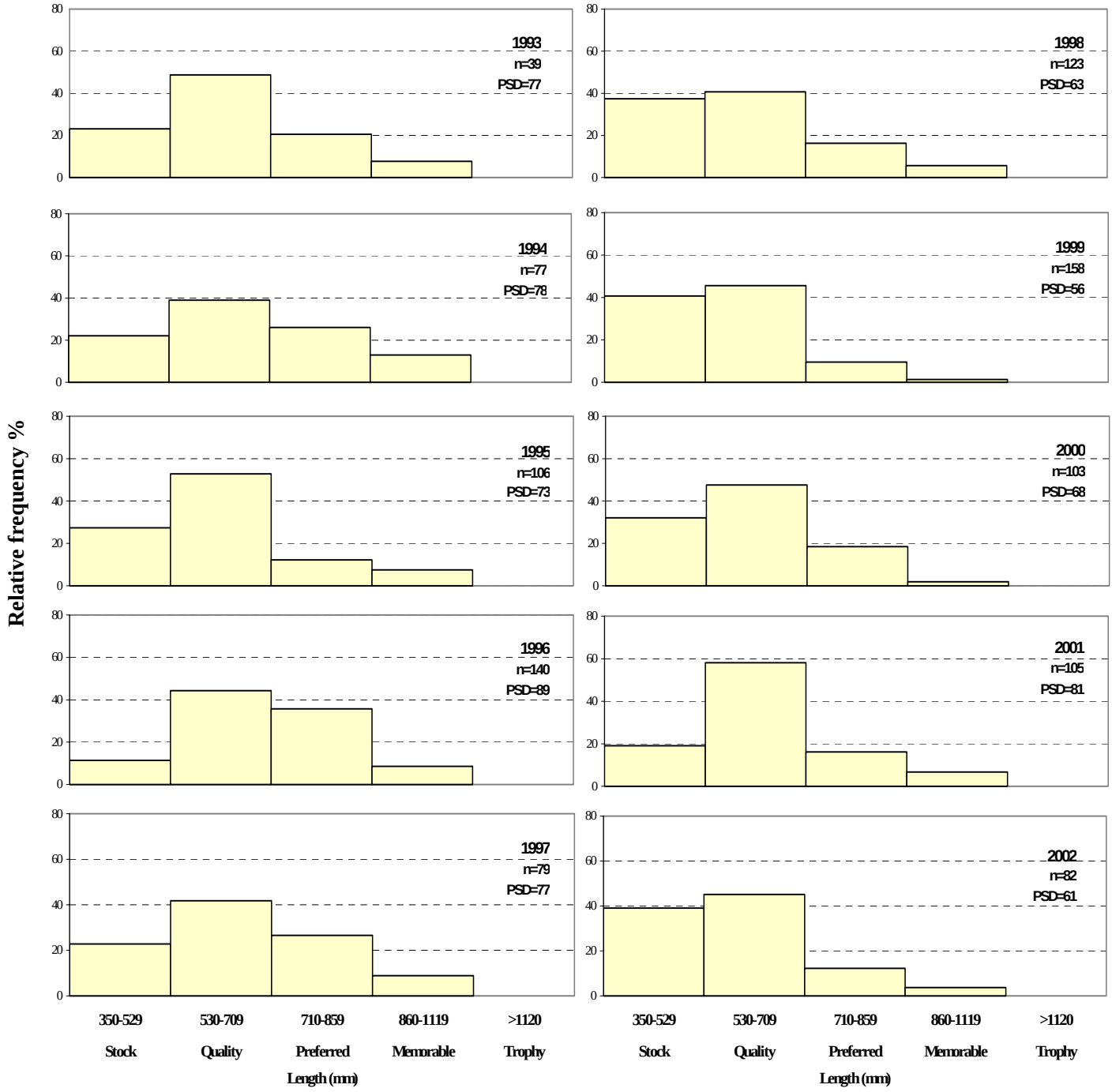
Appendix E.120. Relative frequency histograms of northern pike captured by fyke netting in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



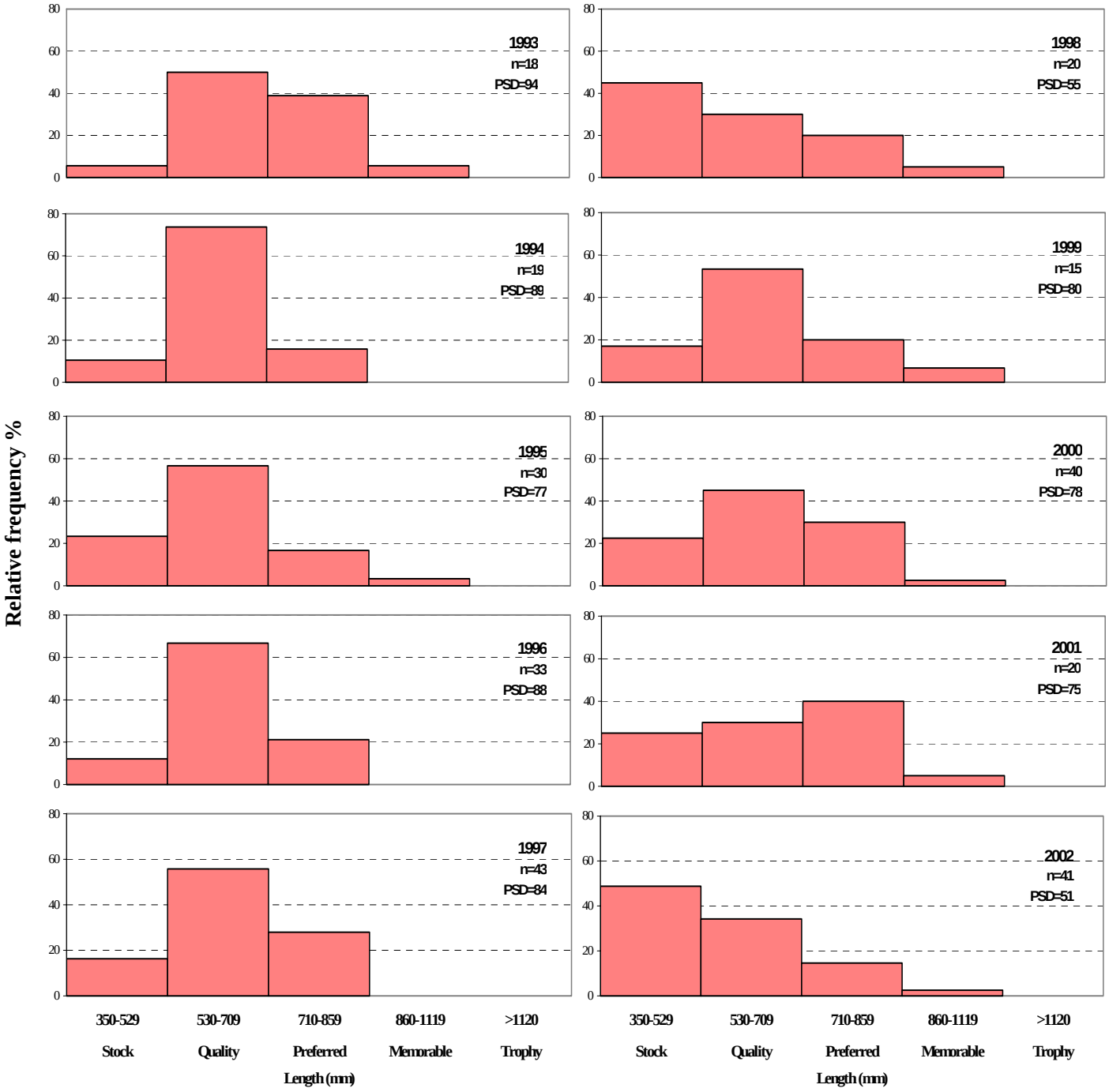
Appendix E.121. Relative frequency histograms of northern pike captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



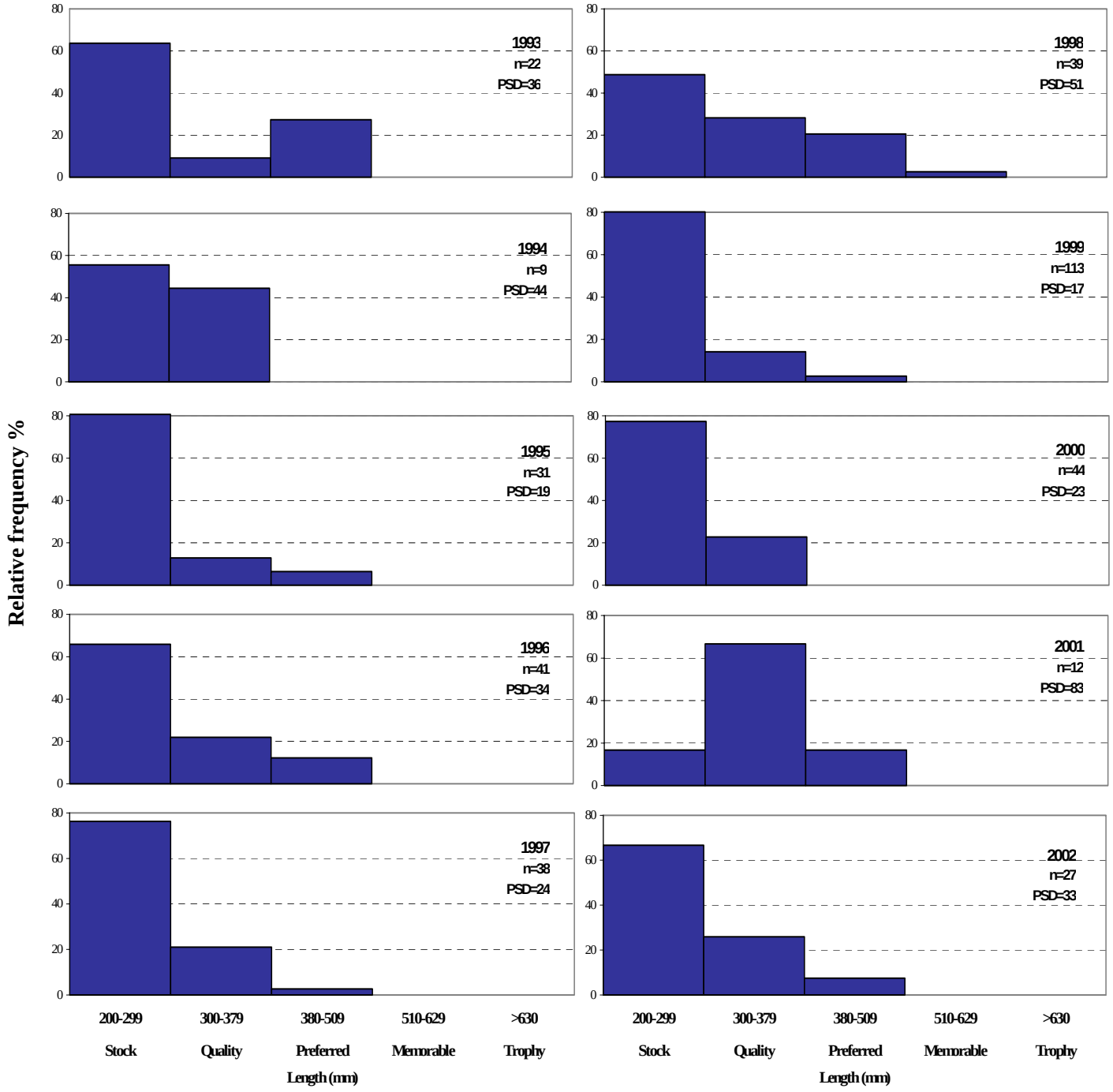
Appendix E.122. Relative frequency histograms of northern pike captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



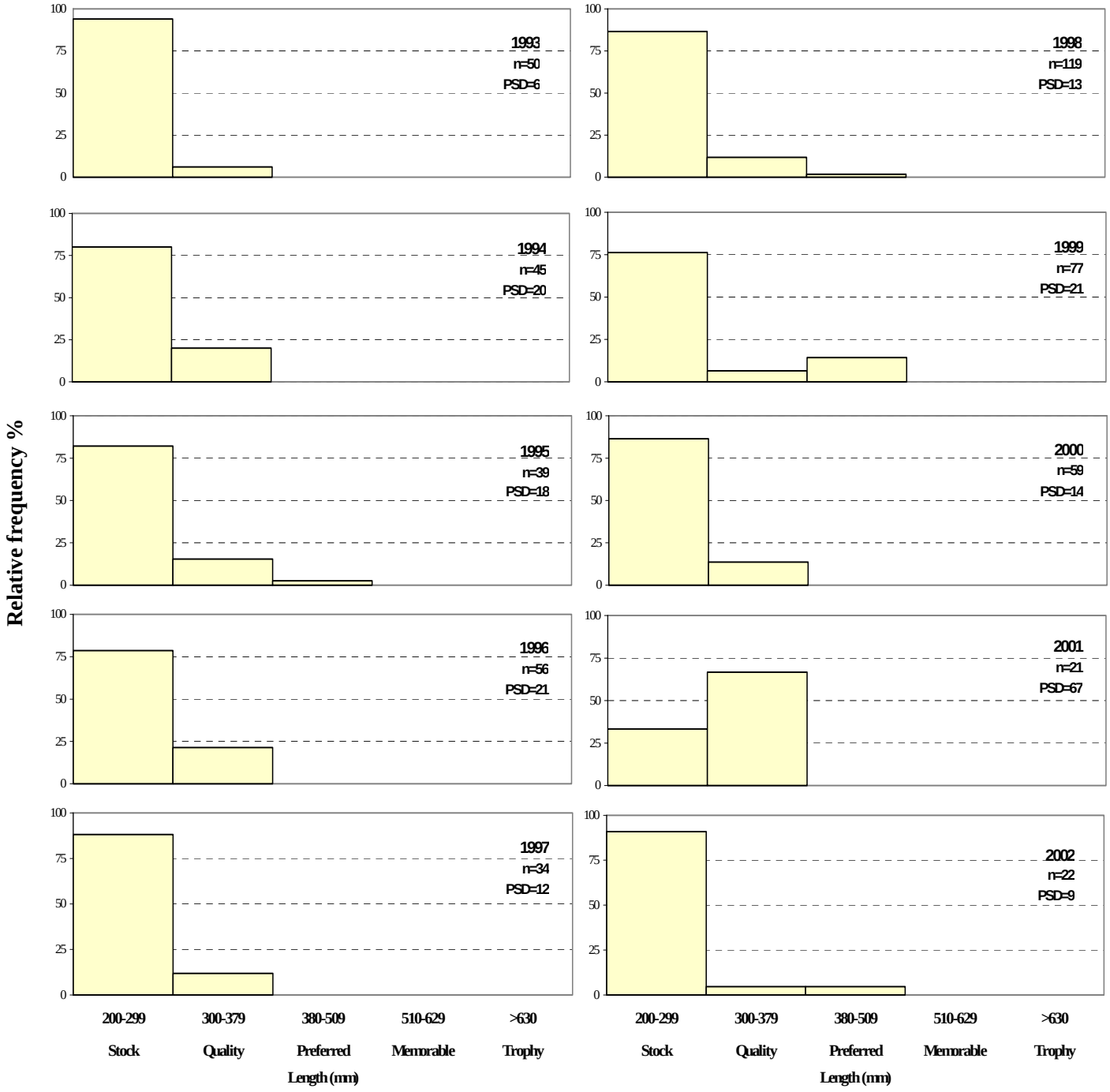
Appendix E.123. Relative frequency histograms of northern pike captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



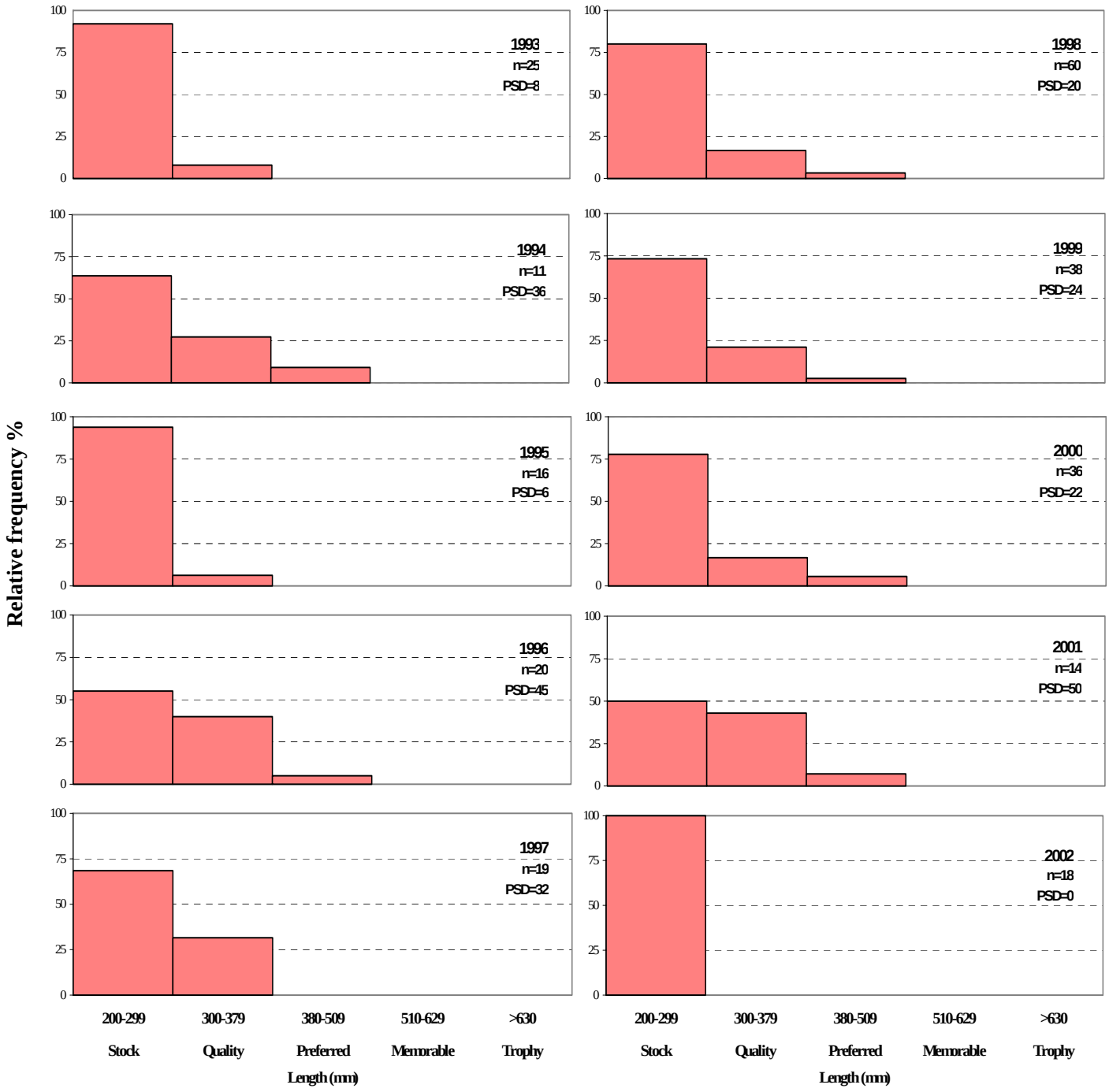
Appendix E.124. Relative frequency histograms of sauger captured by day electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



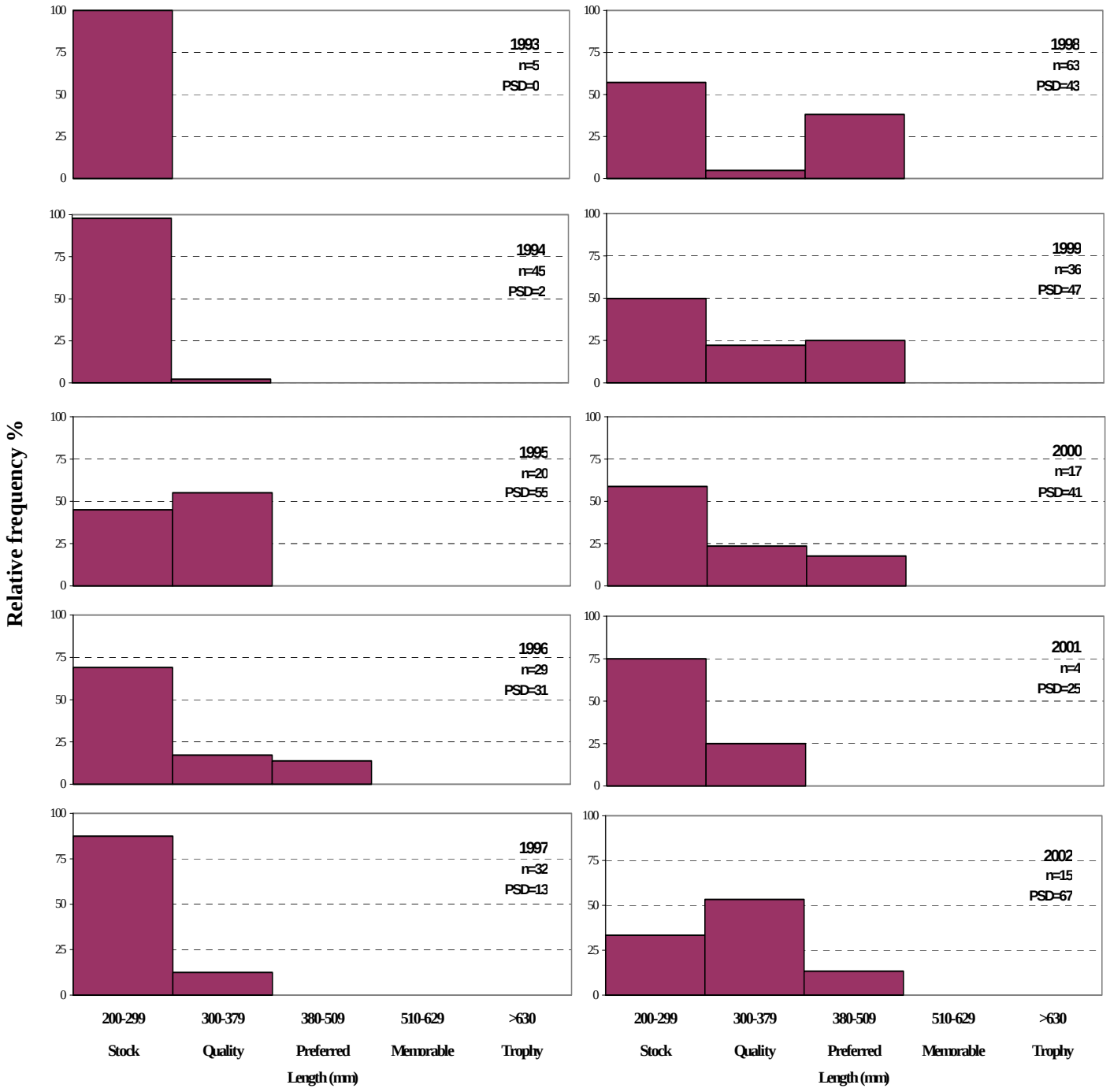
Appendix E.125. Relative frequency histograms of sauger captured by day electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



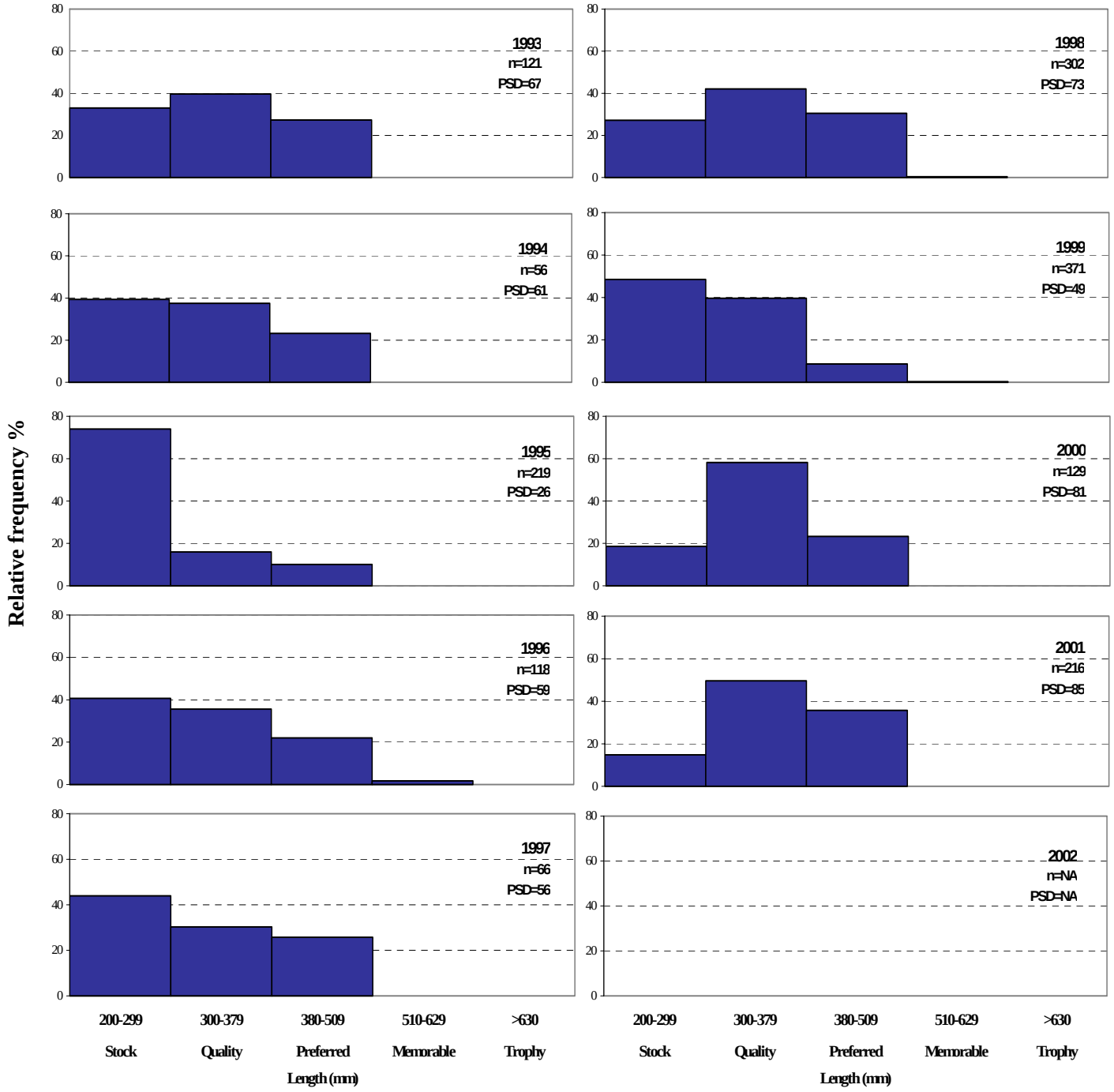
Appendix E.126. Relative frequency histograms of sauger captured by day electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



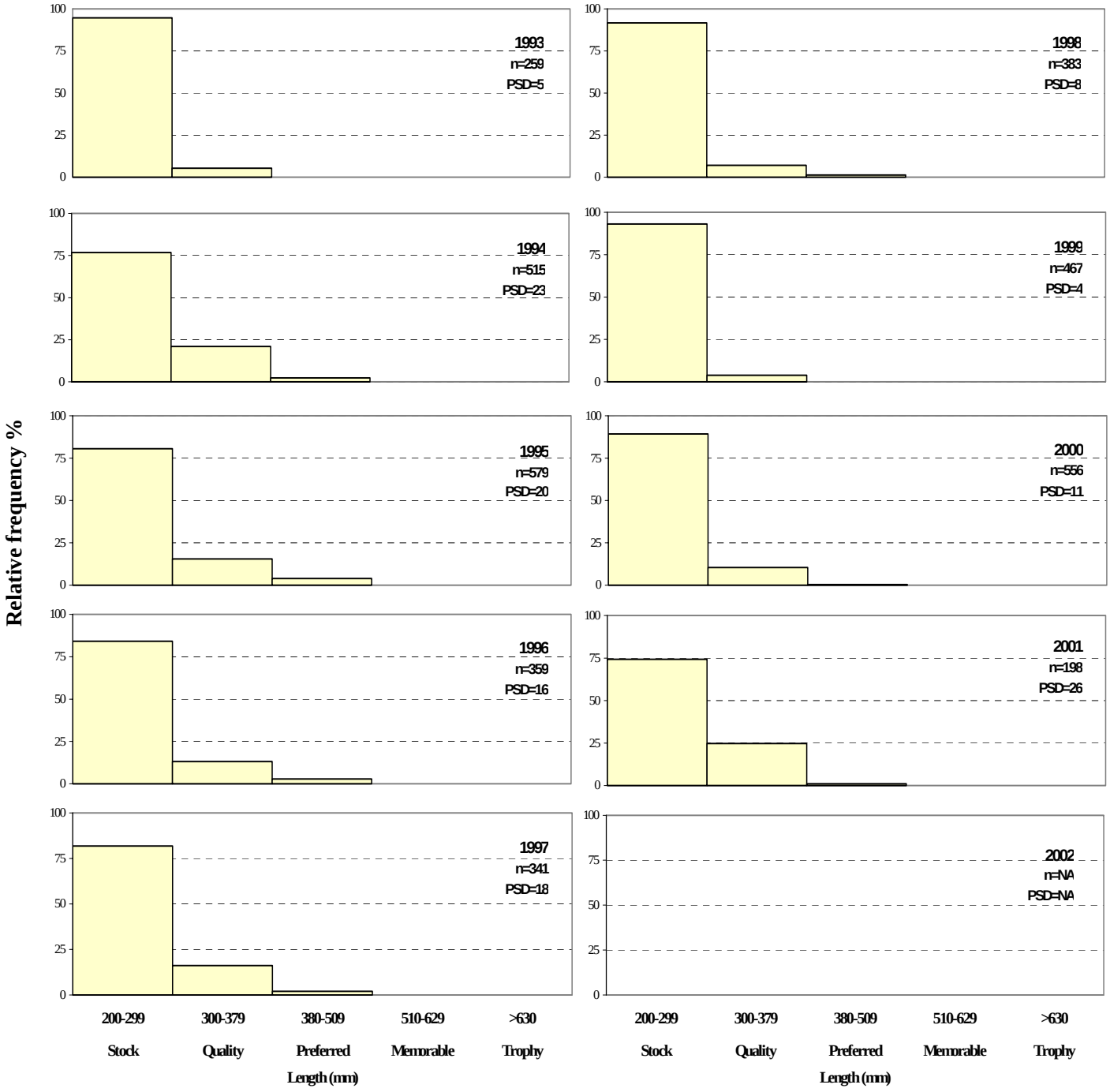
Appendix E.127. Relative frequency histograms of sauger captured by day electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



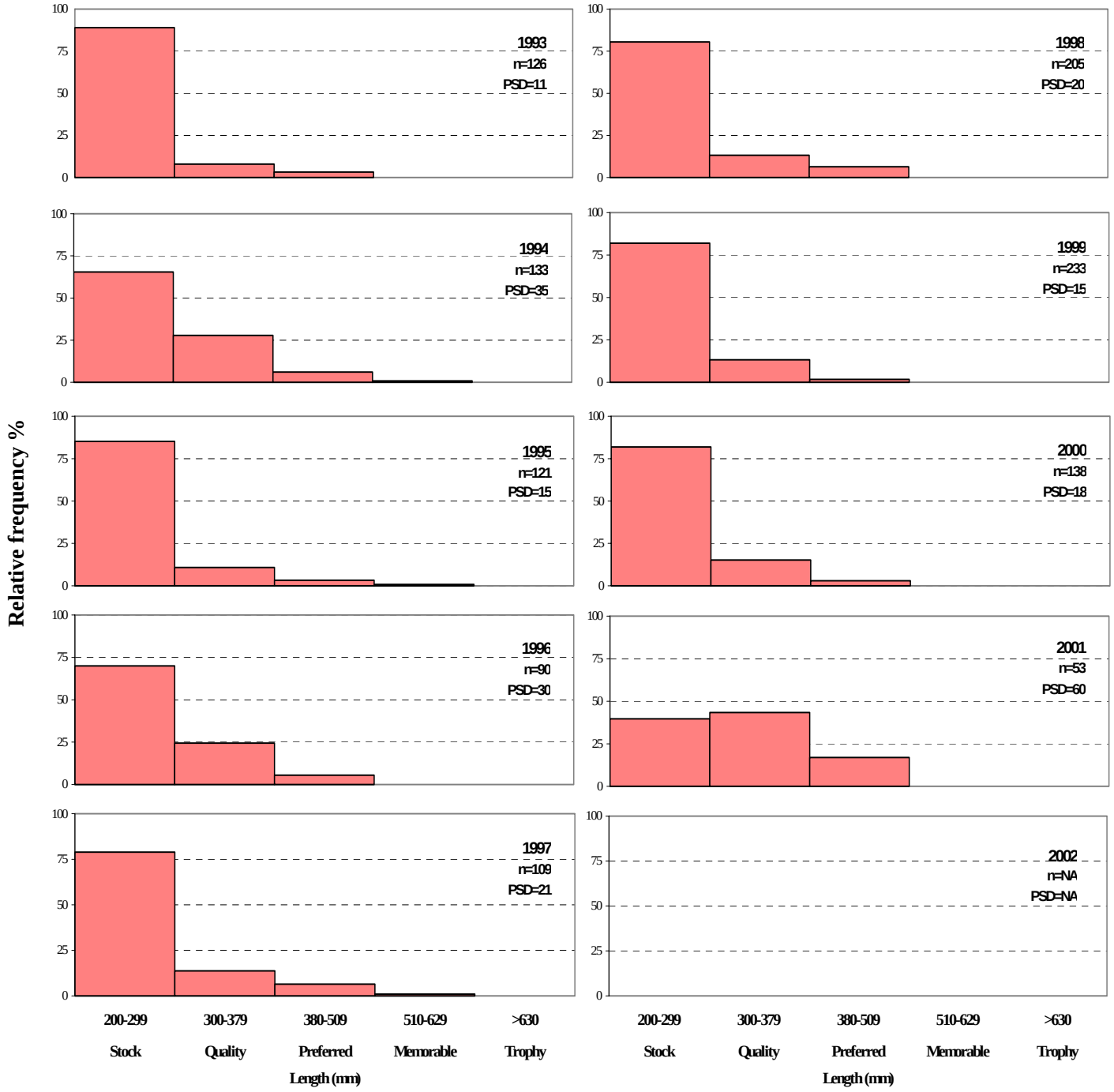
Appendix E.128. Relative frequency histograms of sauger captured by night electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



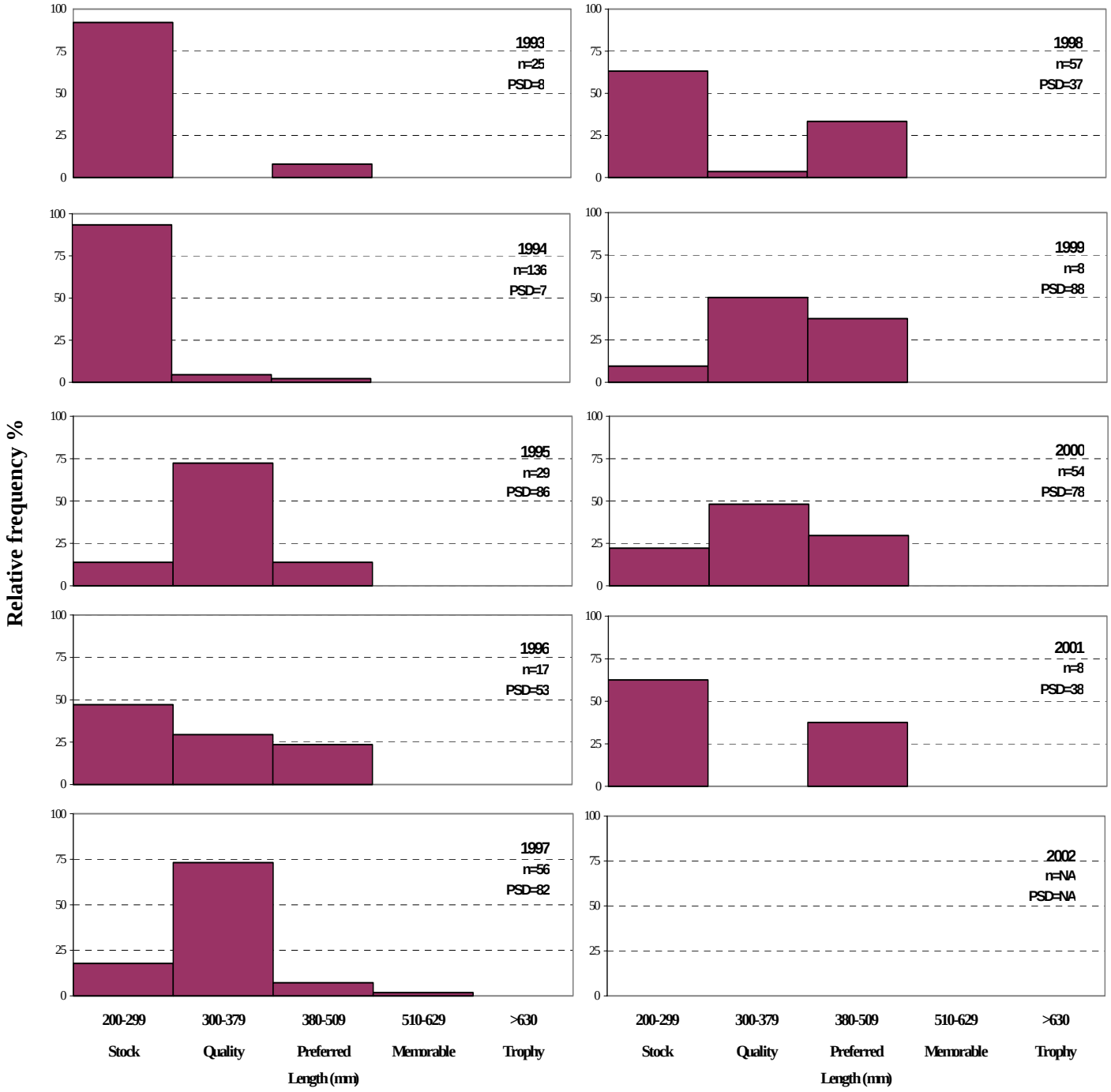
Appendix E.129. Relative frequency histograms of sauger captured by night electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



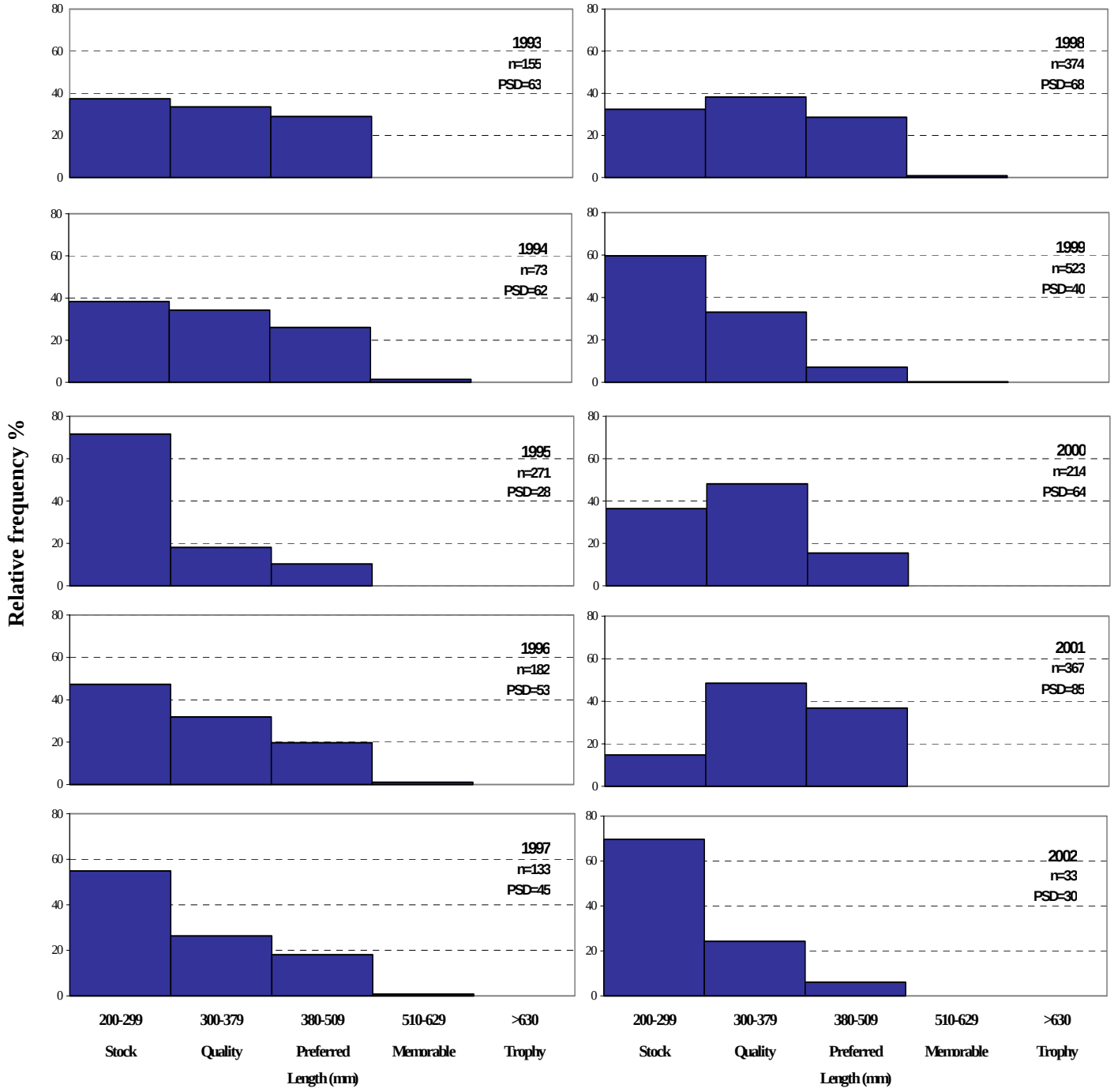
Appendix E.130. Relative frequency histograms of sauger captured by night electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



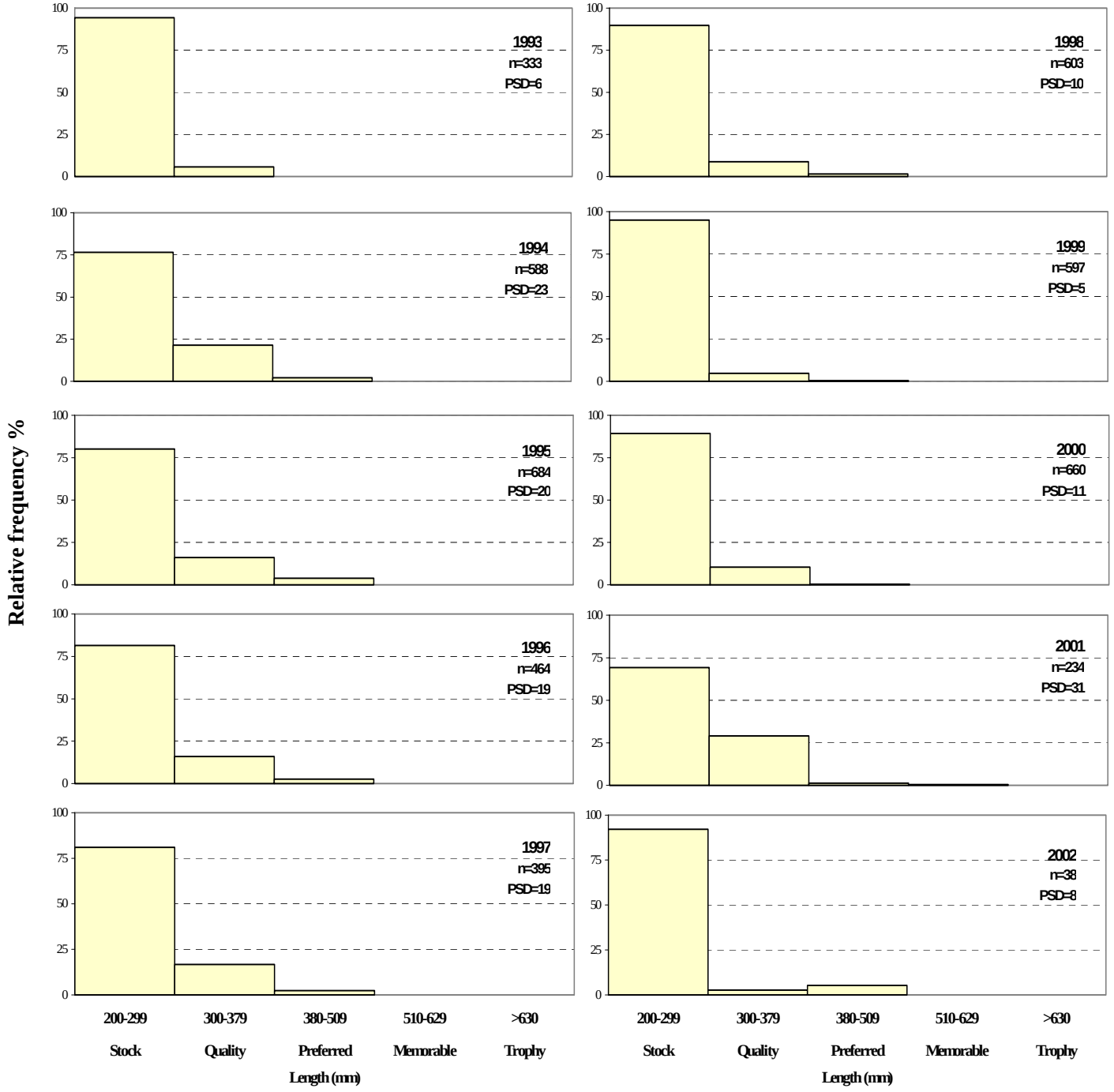
Appendix E.131. Relative frequency histograms of sauger captured by night electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



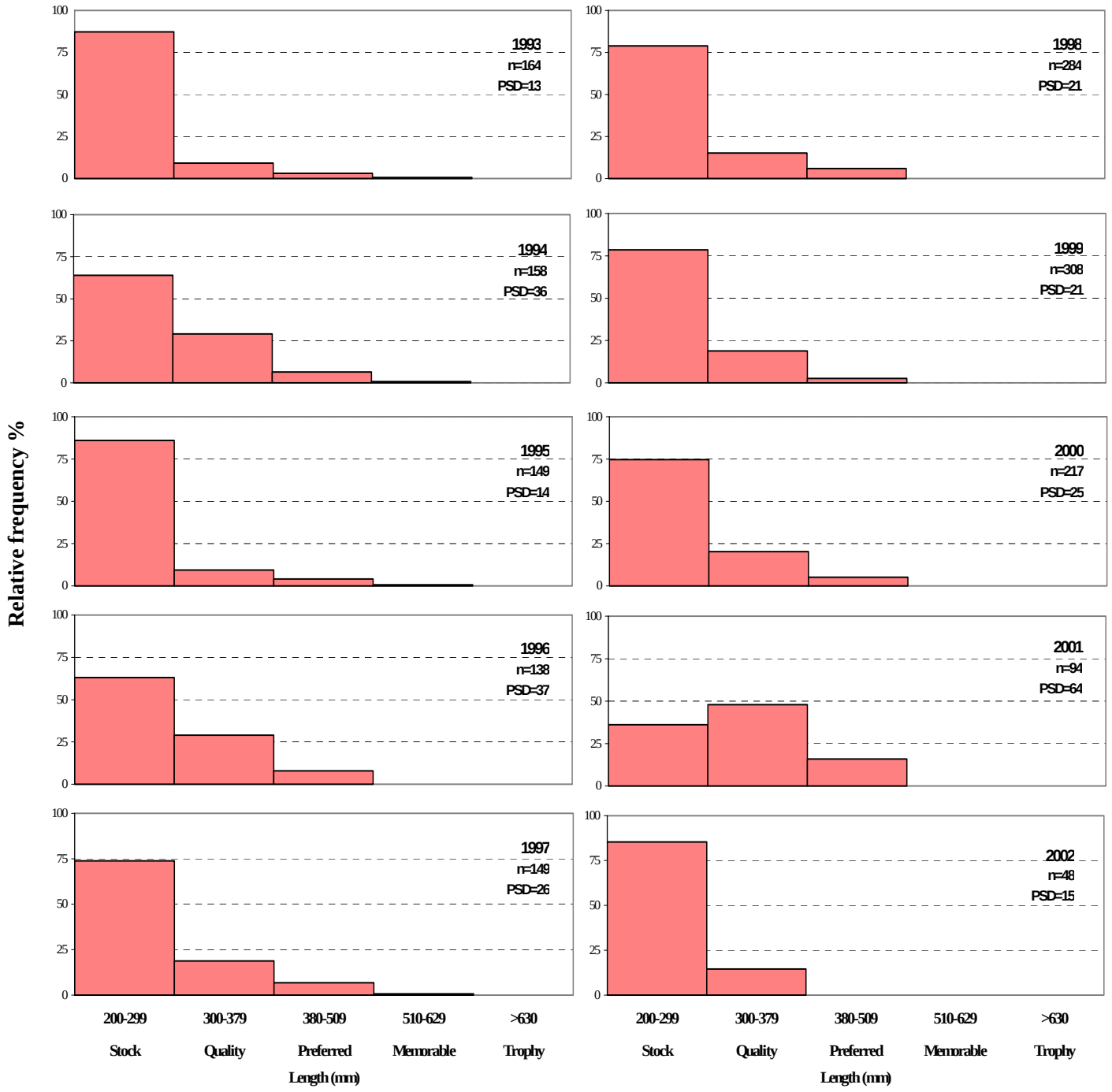
Appendix E.132. Relative frequency histograms of sauger captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



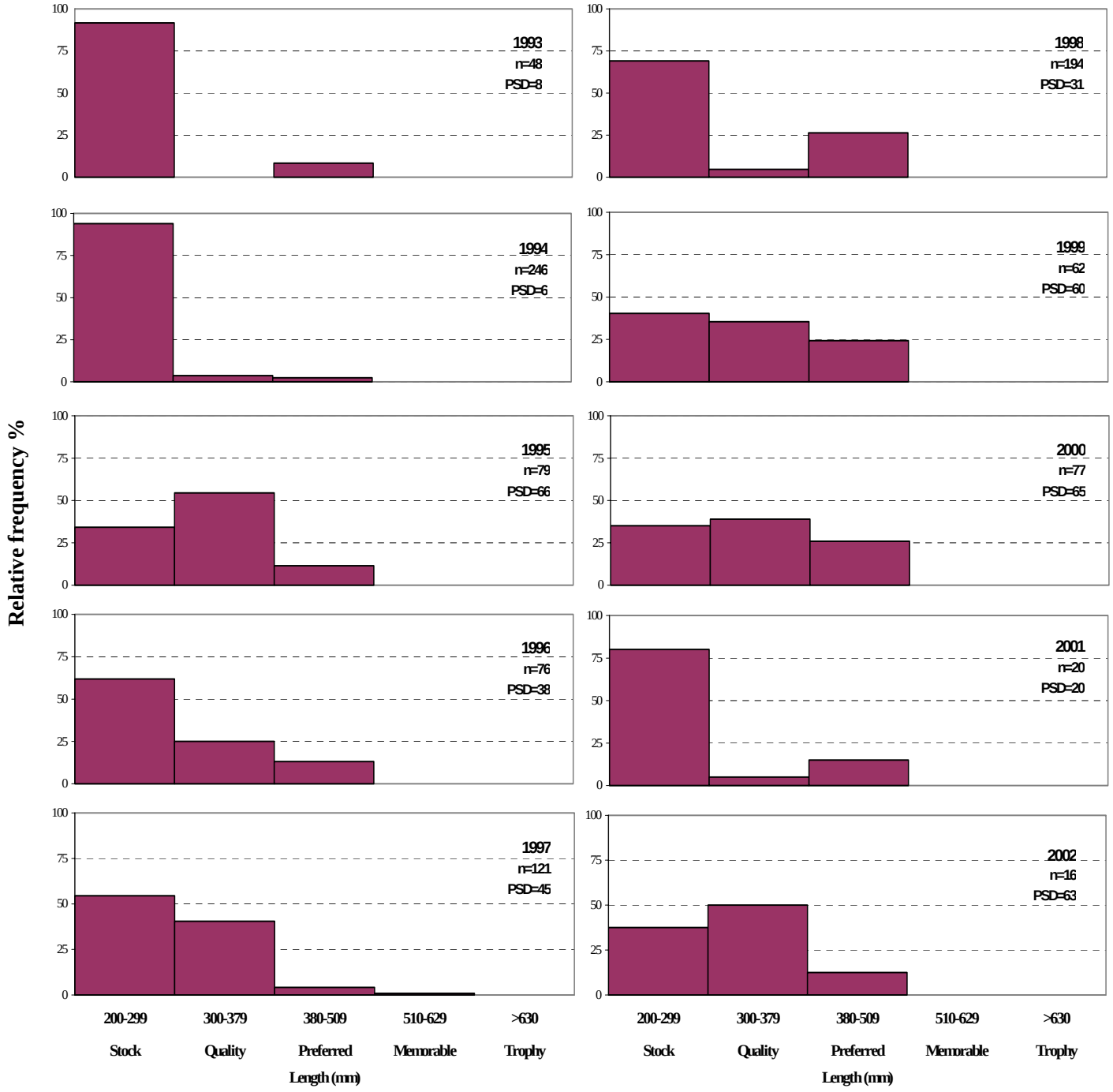
Appendix E.133. Relative frequency histograms of sauger captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



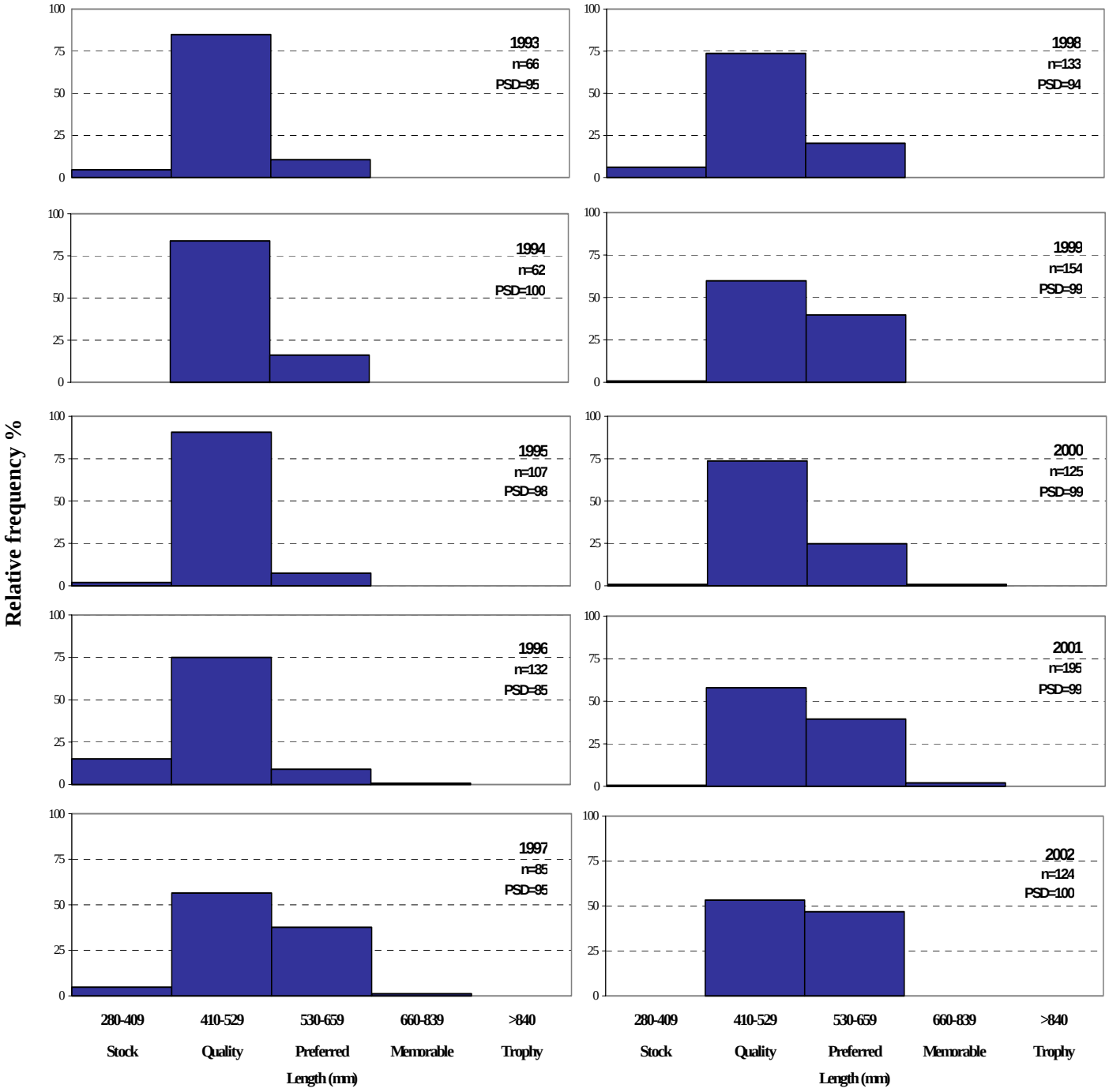
Appendix E.134. Relative frequency histograms of sauger captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



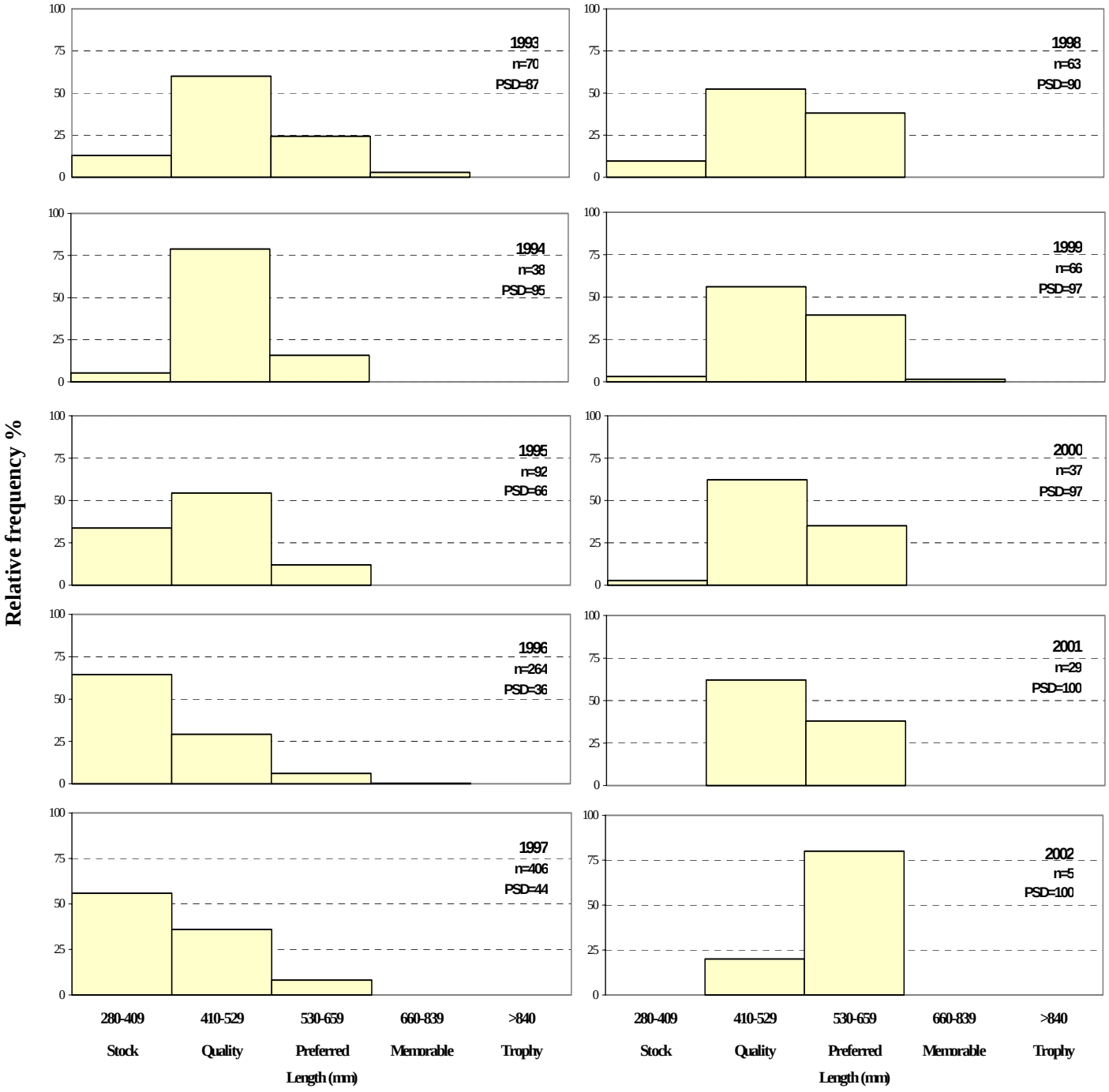
Appendix E.135. Relative frequency histograms of sauger captured by all gears in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



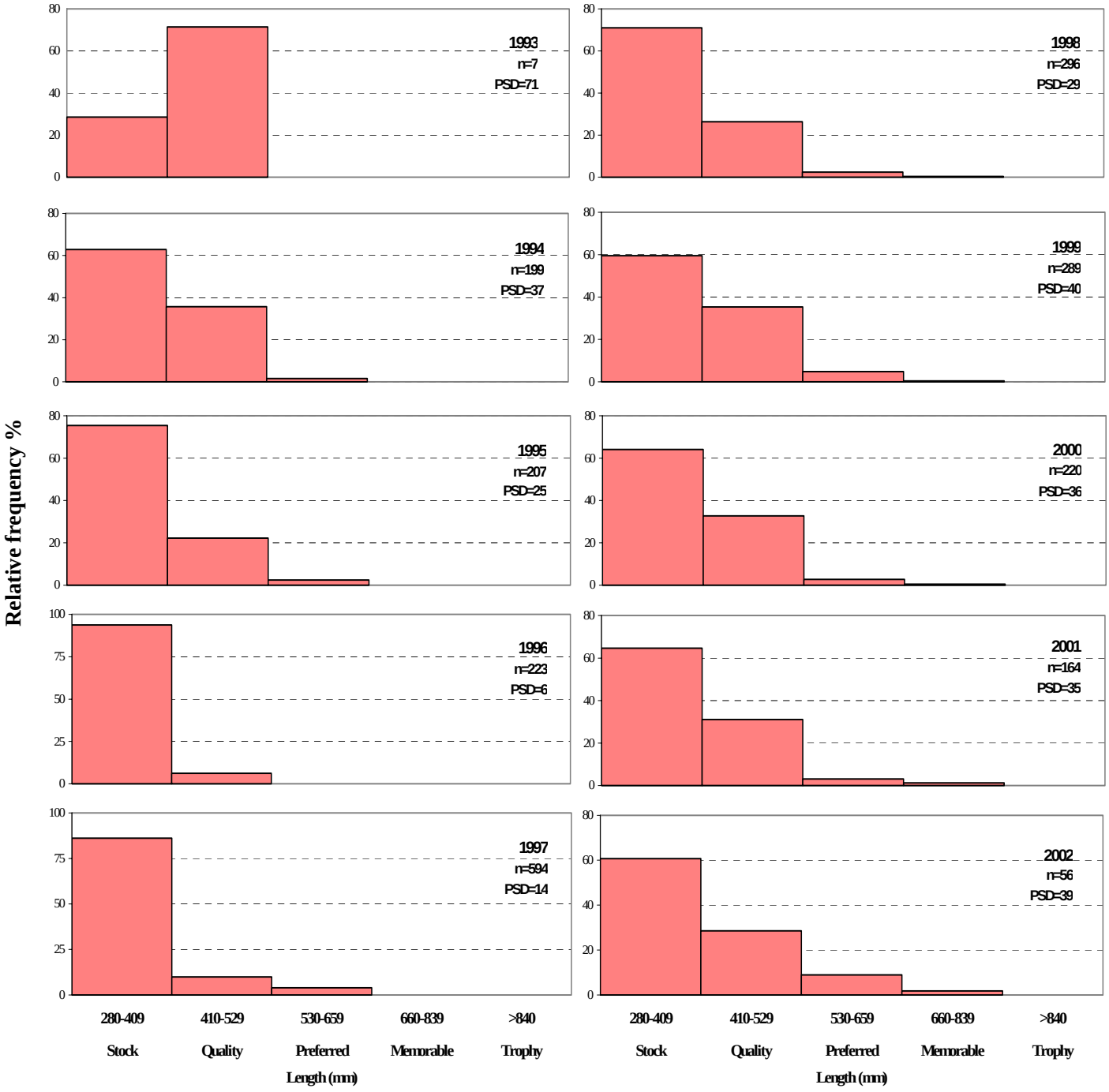
Appendix E.136. Relative frequency histograms of smallmouth buffalo captured by large hoop netting in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



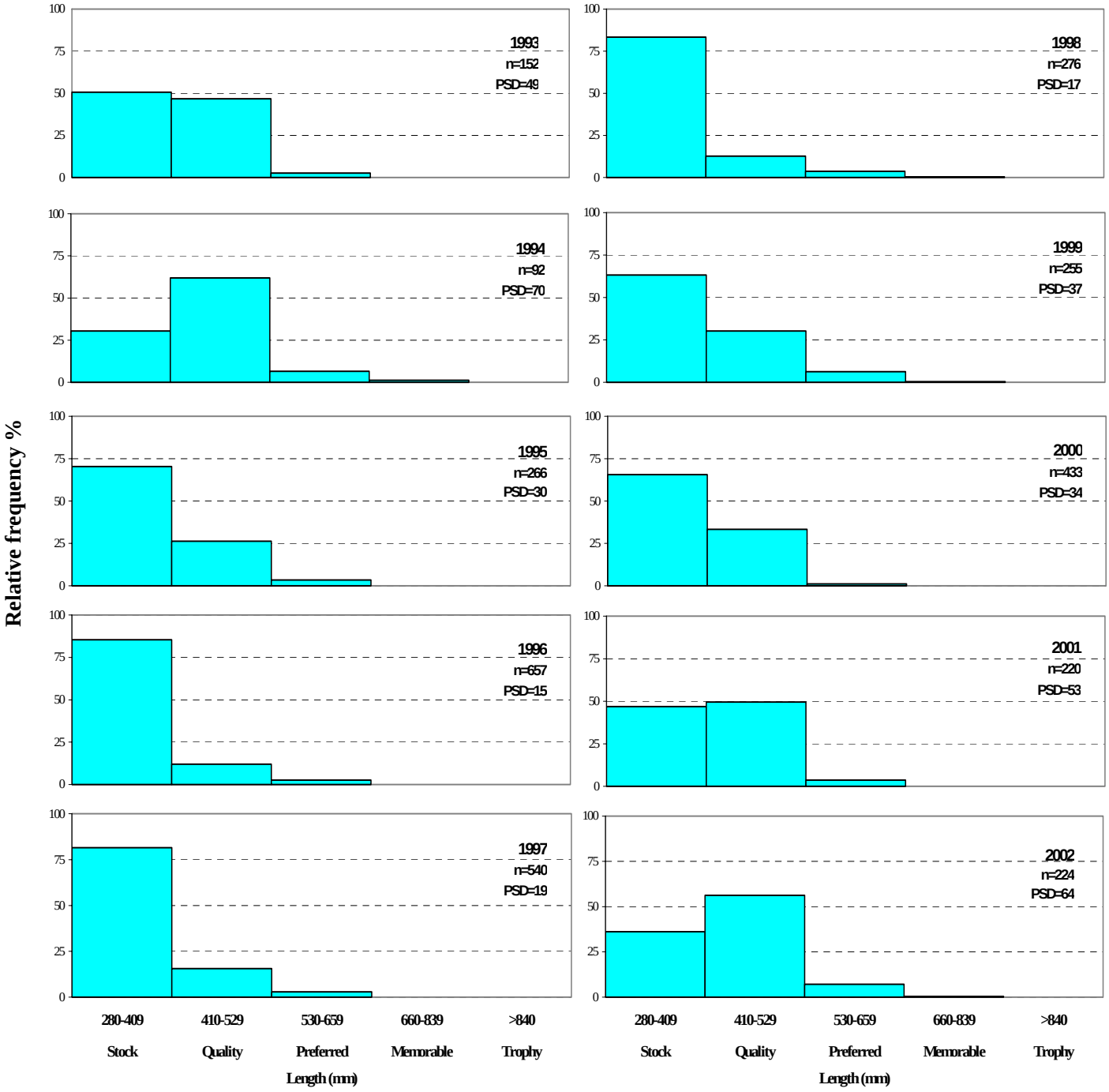
Appendix E.137. Relative frequency histograms of smallmouth buffalo captured by large hoop netting in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



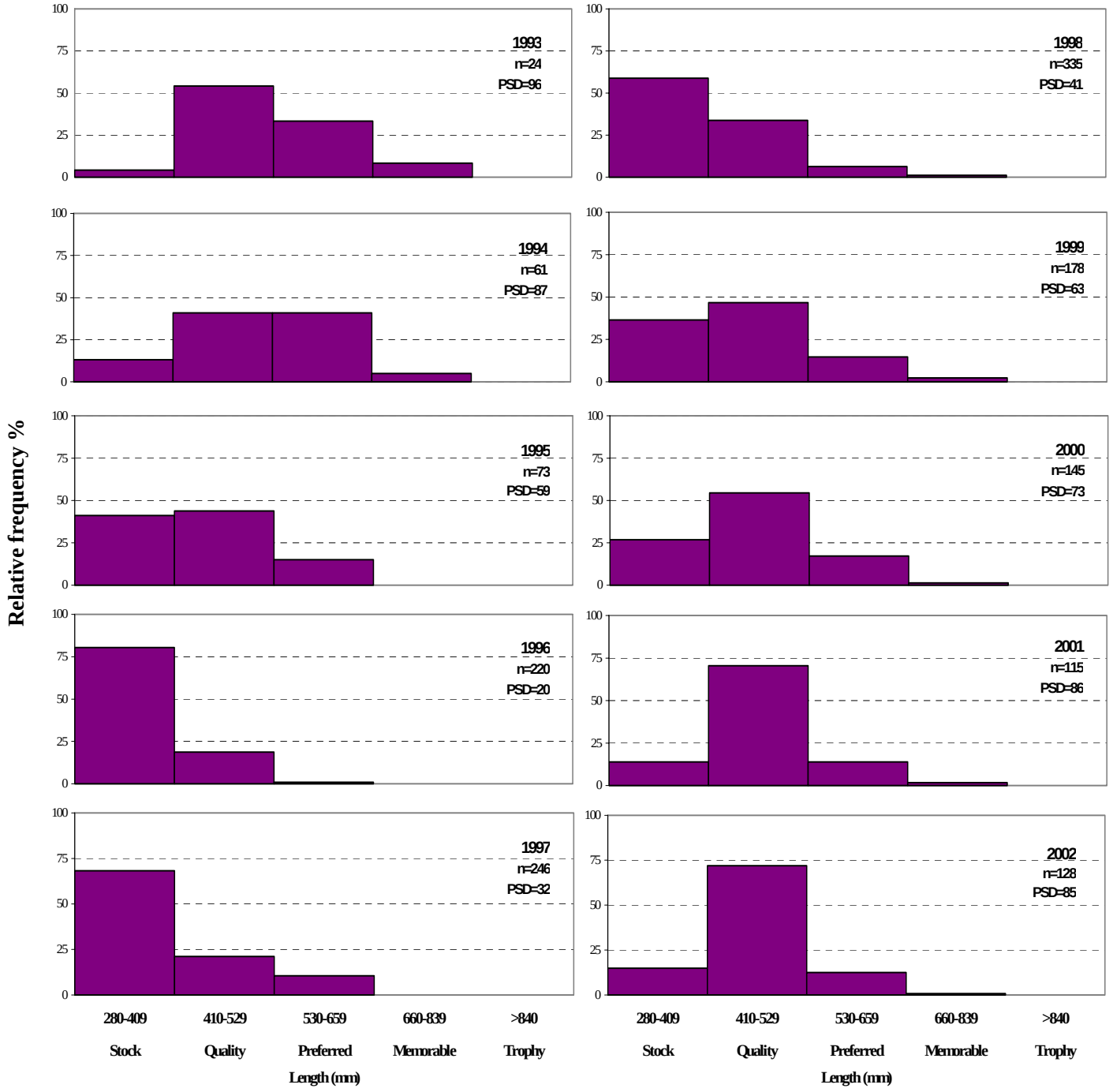
Appendix E.138. Relative frequency histograms of smallmouth buffalo captured by large hoop netting in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



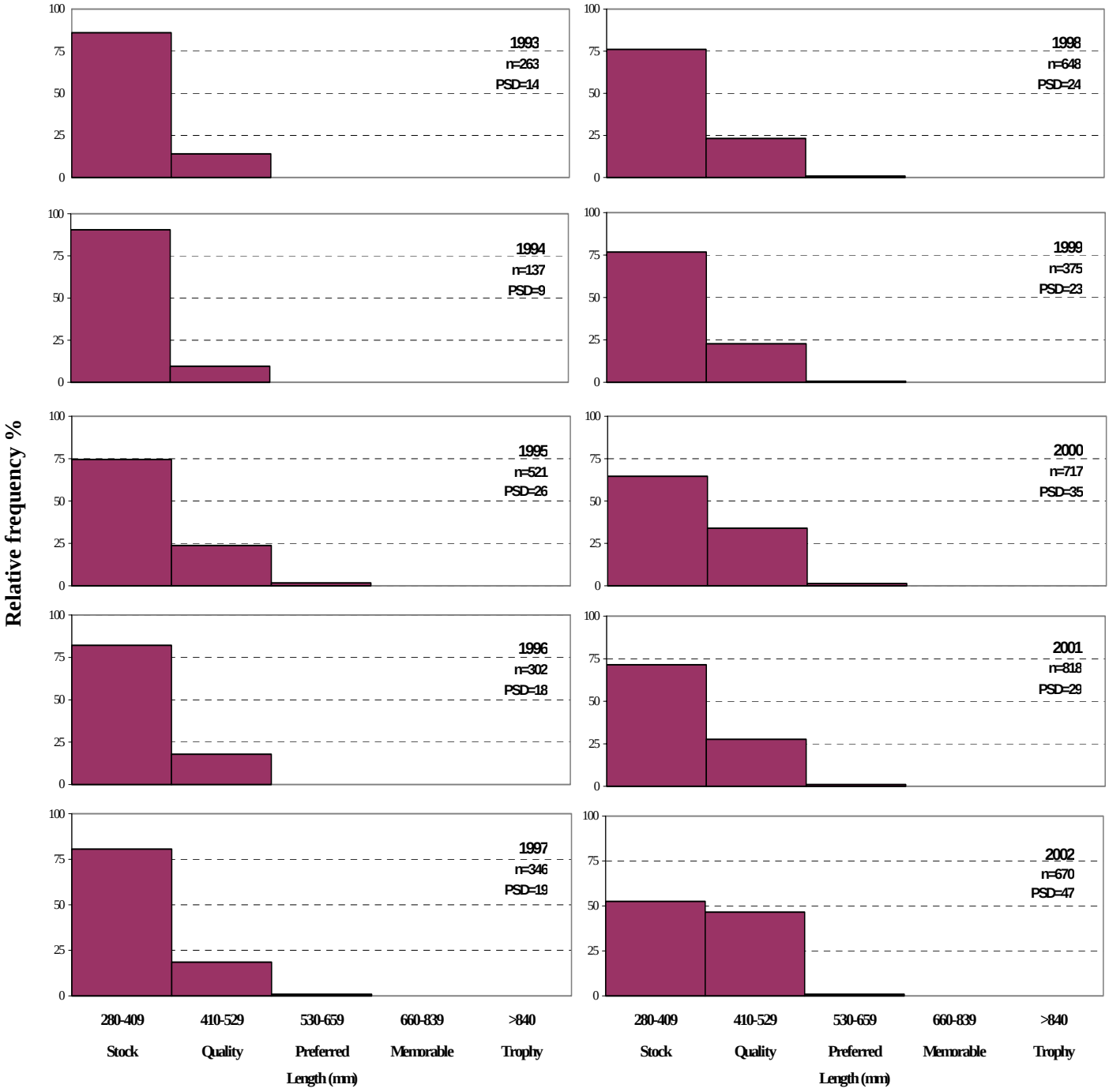
Appendix E.139. Relative frequency histograms of smallmouth buffalo captured by large hoop netting in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



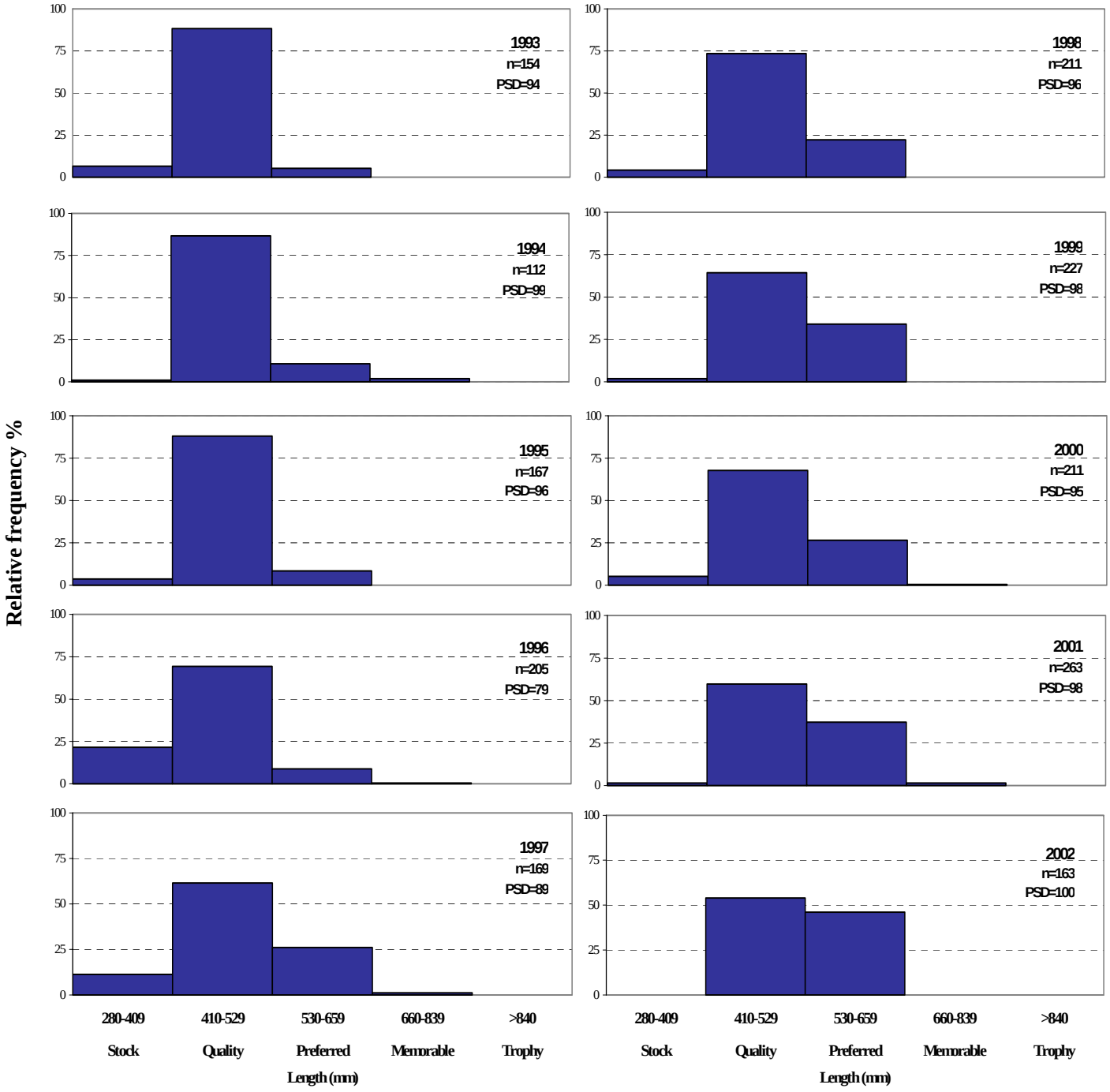
Appendix E.140. Relative frequency histograms of smallmouth buffalo captured by large hoop netting in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



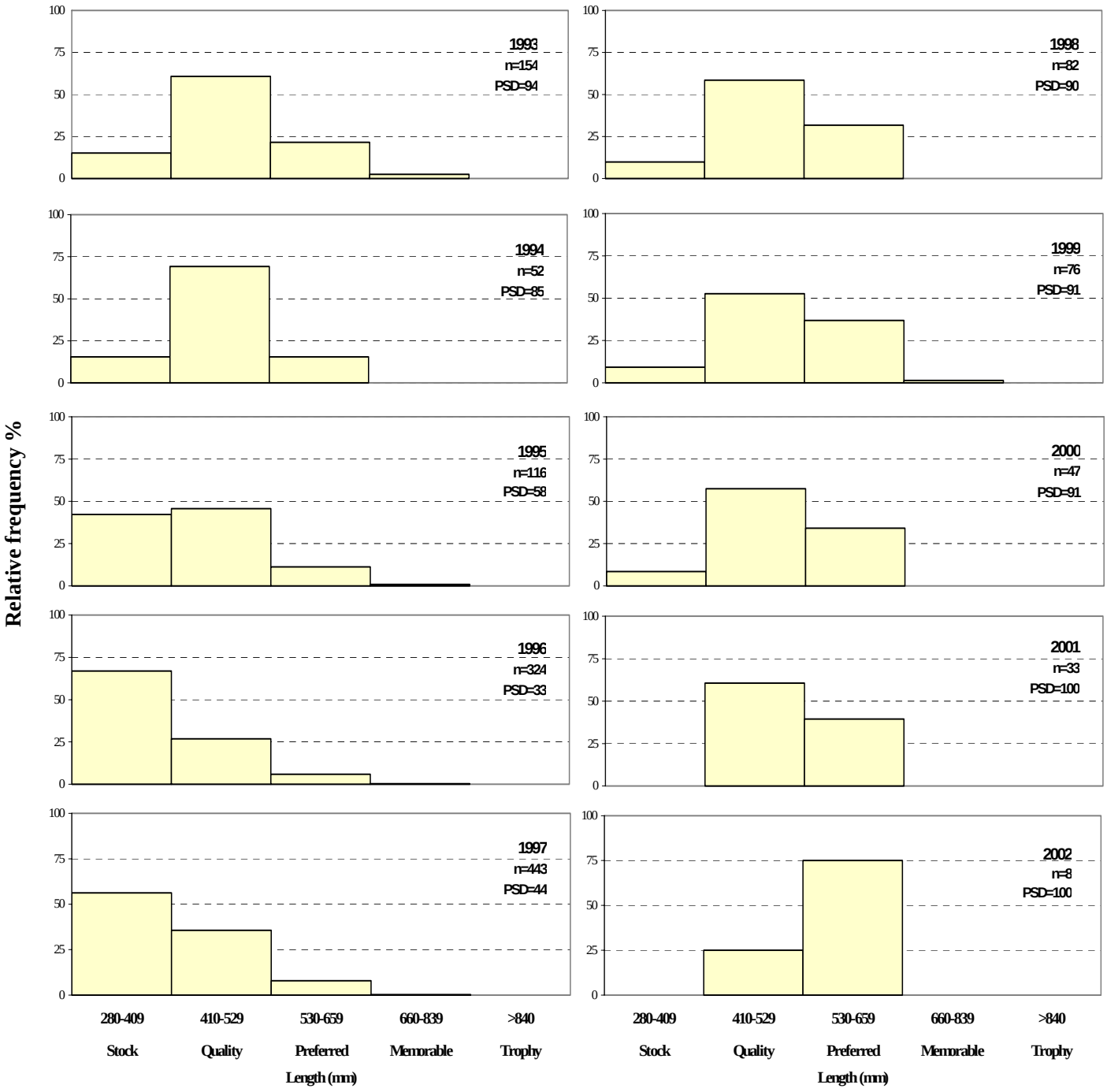
Appendix E.141. Relative frequency histograms of smallmouth buffalo captured by large hoop netting in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



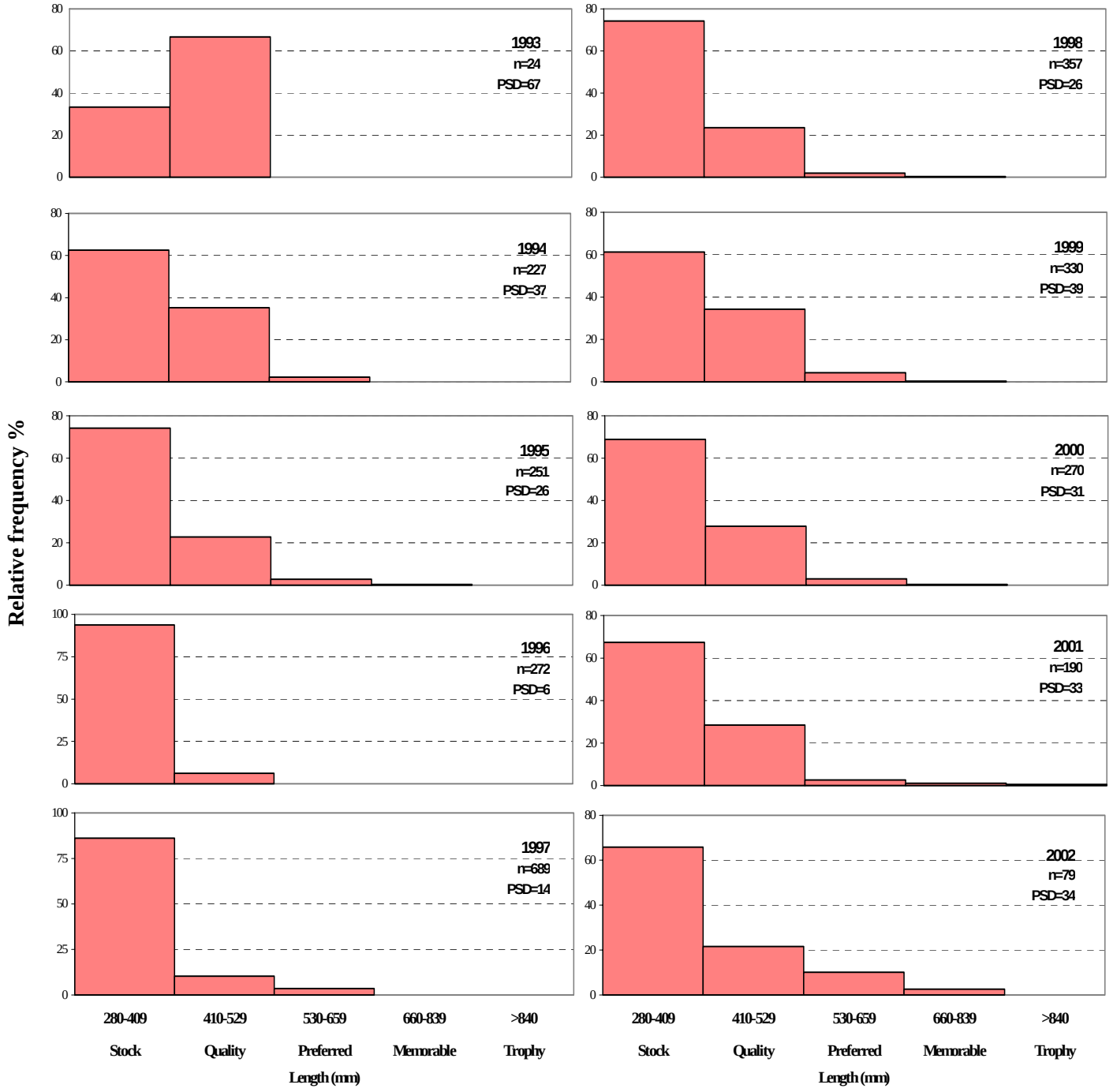
Appendix E.142. Relative frequency histograms of smallmouth buffalo captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



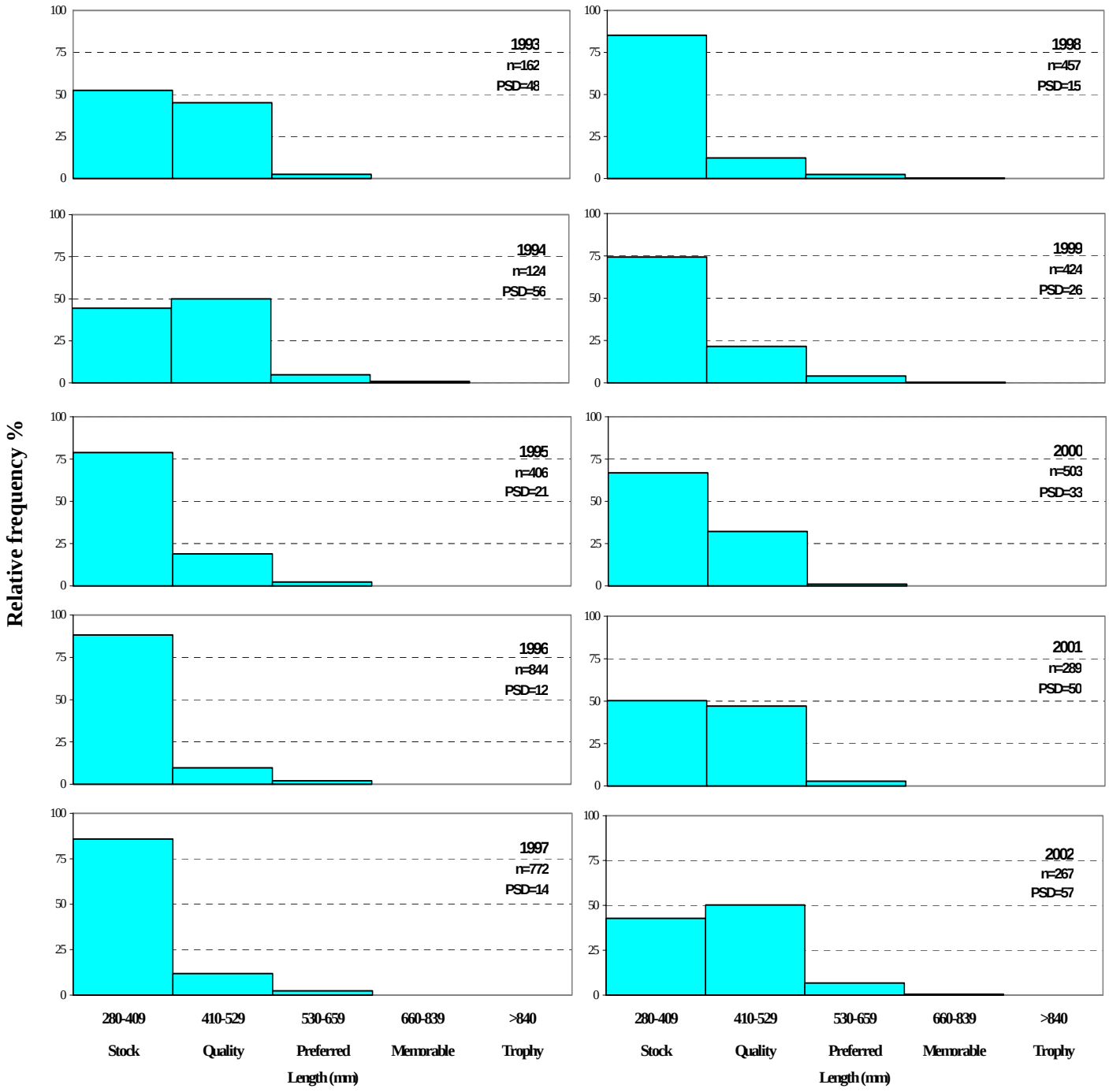
Appendix E.143. Relative frequency histograms of smallmouth buffalo captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



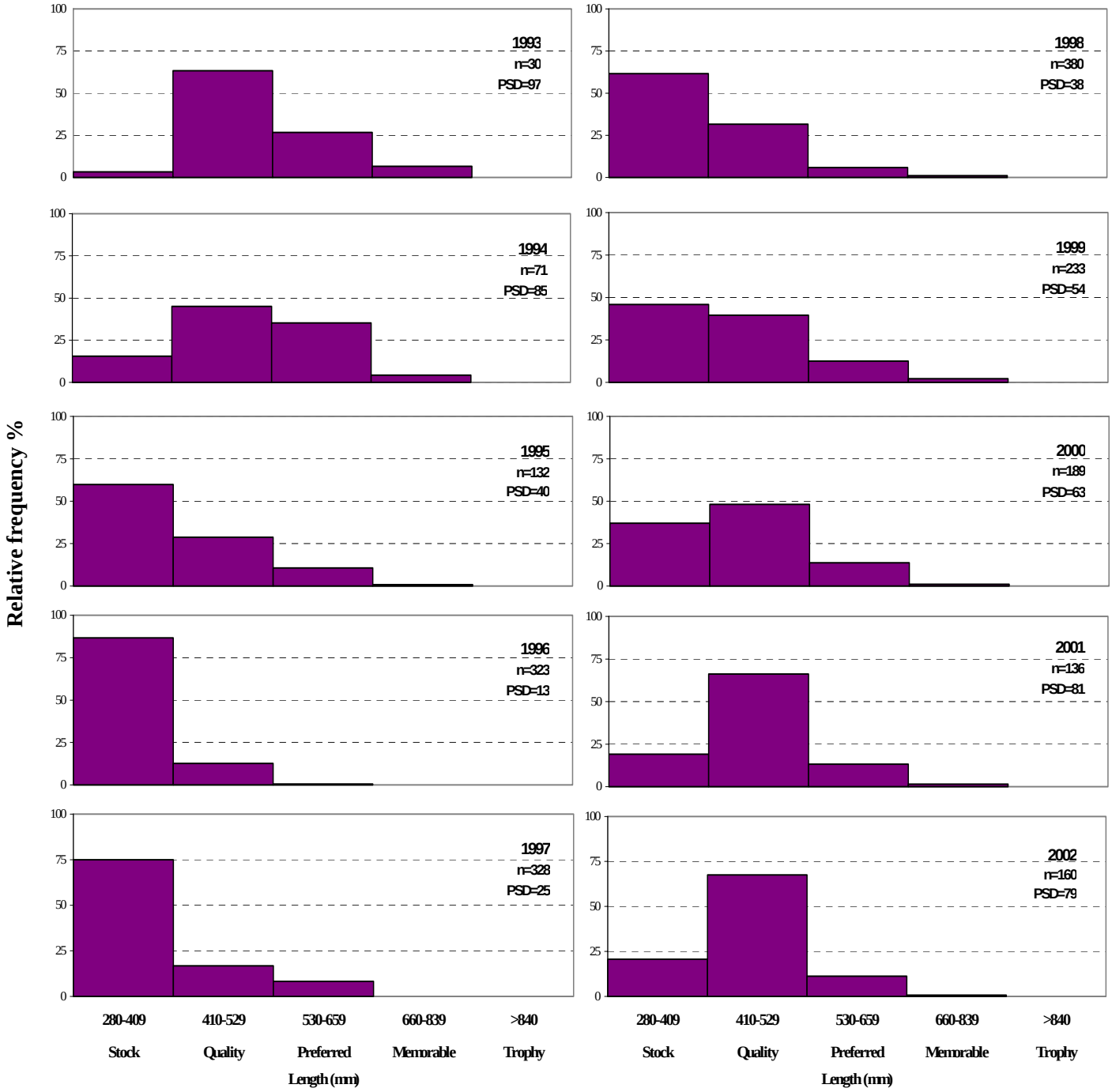
Appendix E.144. Relative frequency histograms of smallmouth buffalo captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



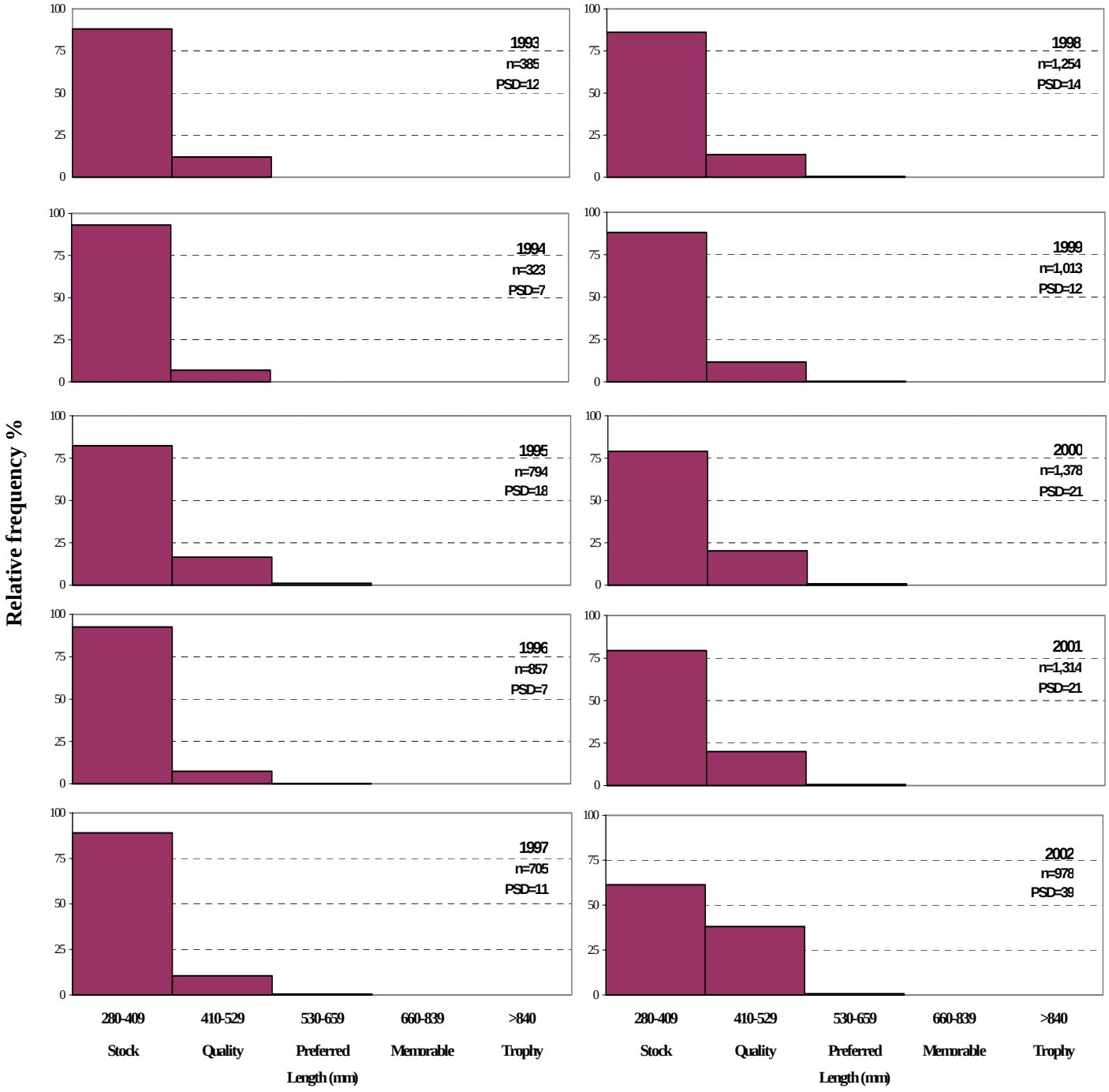
Appendix E.145. Relative frequency histograms of smallmouth buffalo captured by all gears in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



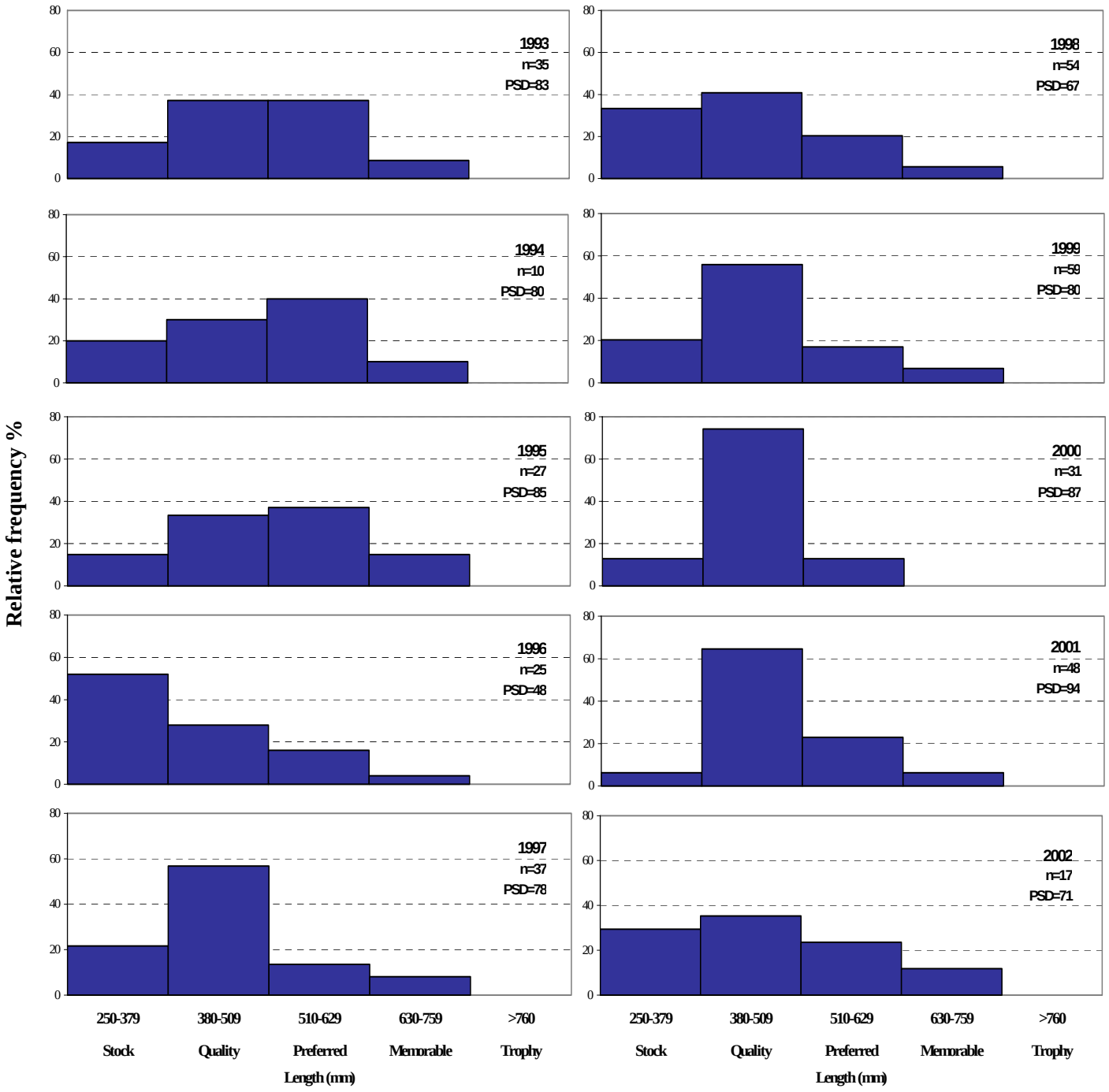
Appendix E.146. Relative frequency histograms of smallmouth buffalo captured by all gears in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



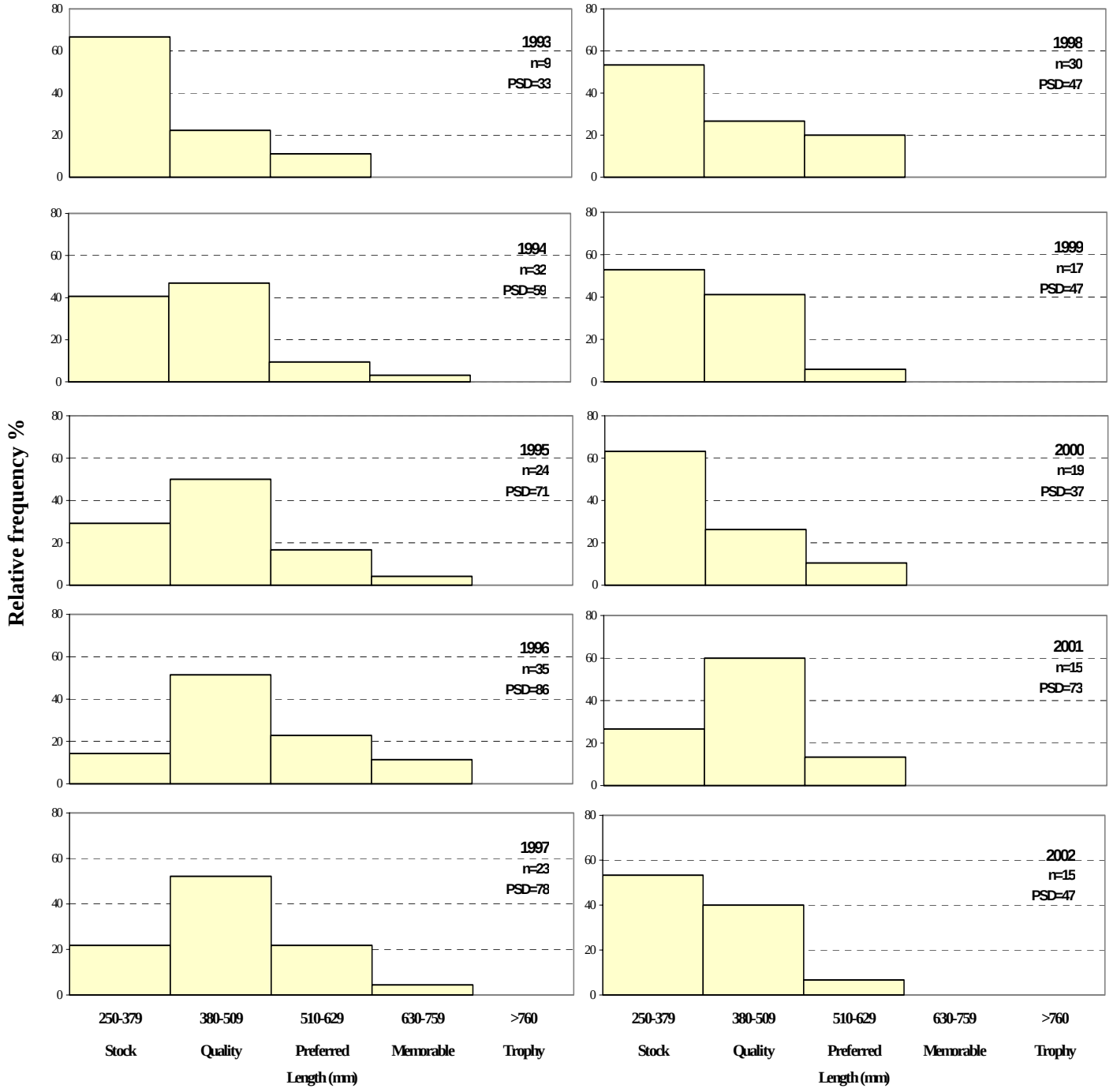
Appendix E.147. Relative frequency histograms of smallmouth buffalo captured by all gears in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



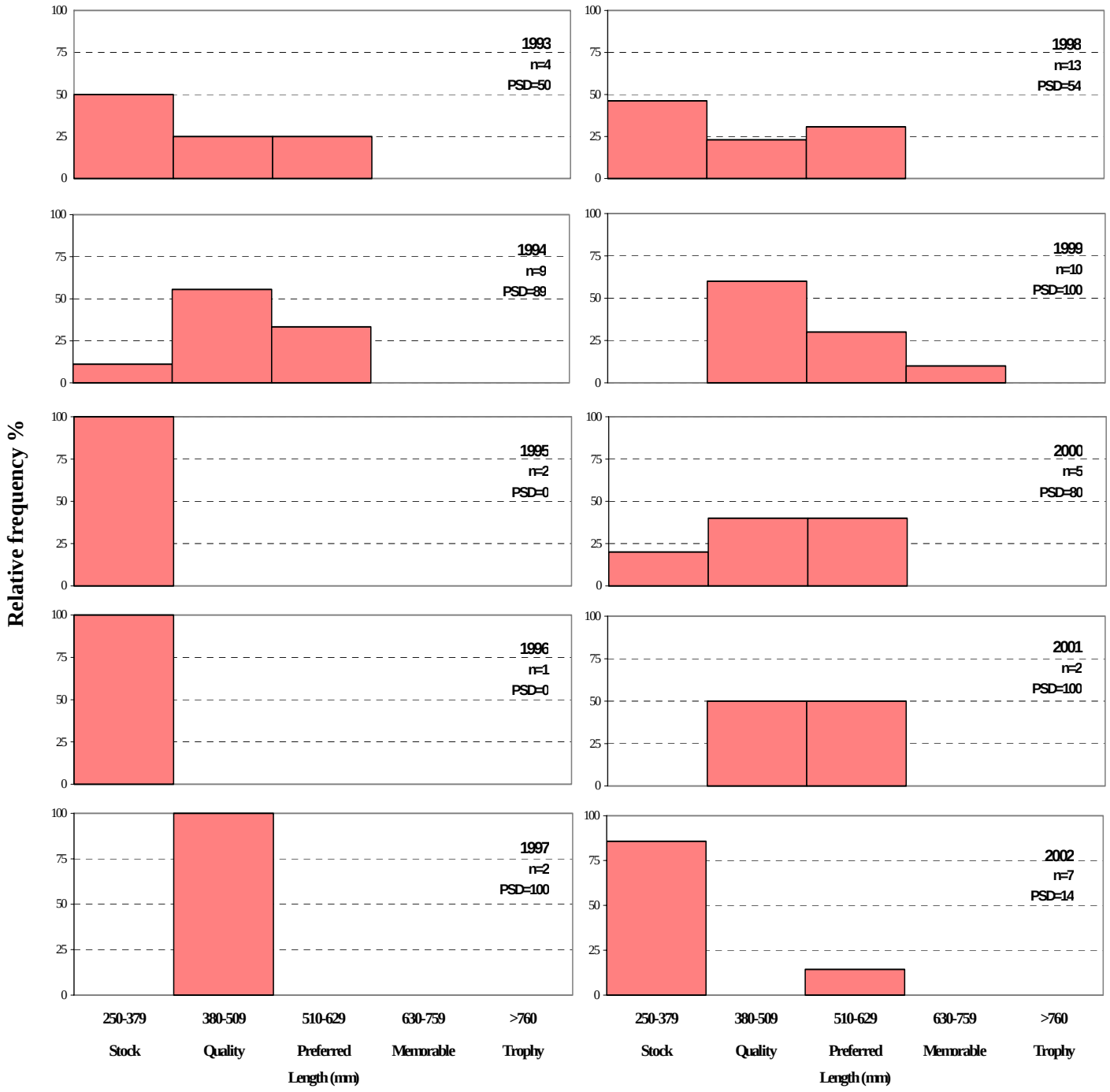
Appendix E.148. Relative frequency histograms of walleye captured by day electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



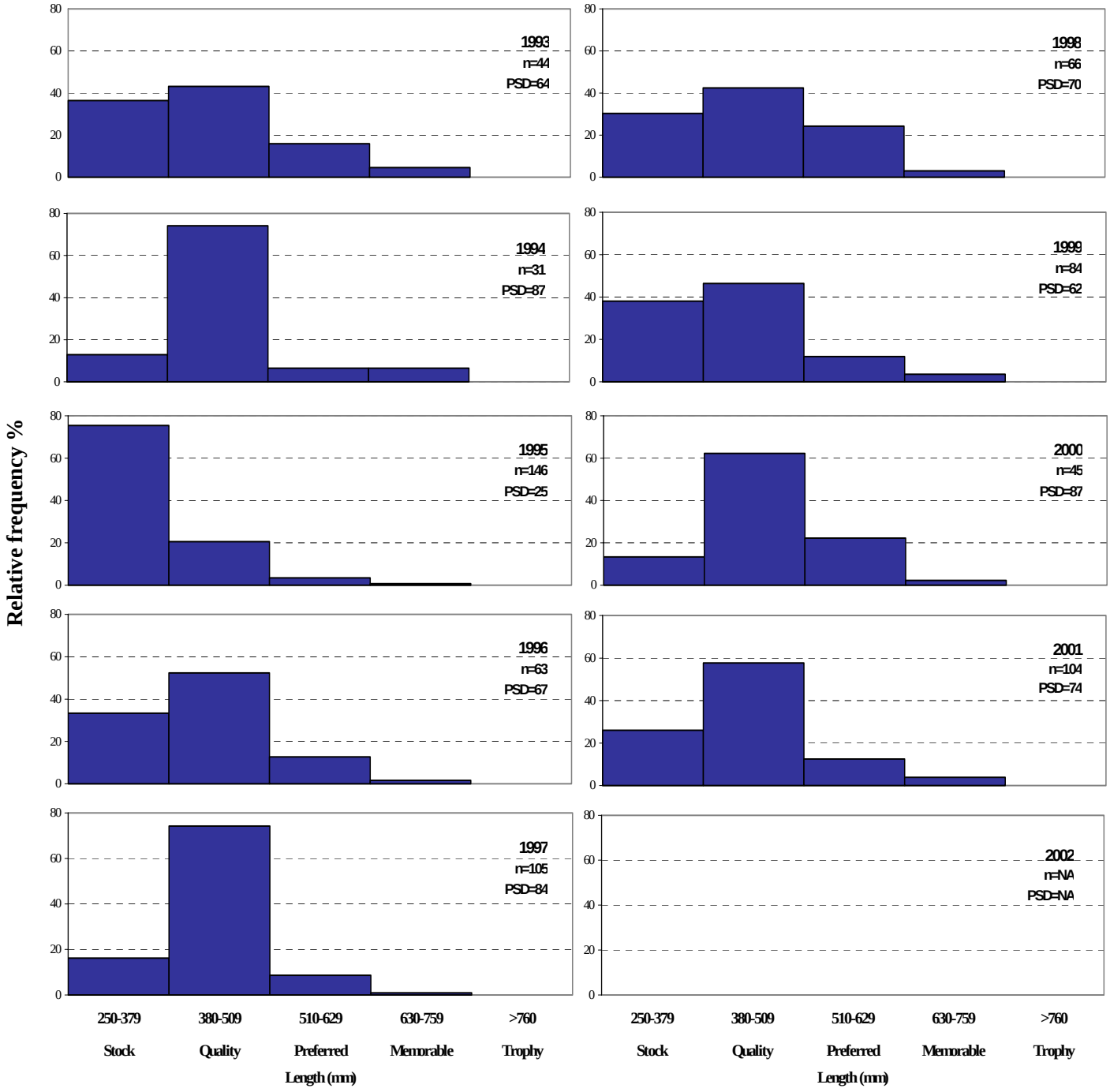
Appendix E.149. Relative frequency histograms of walleye captured by day electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



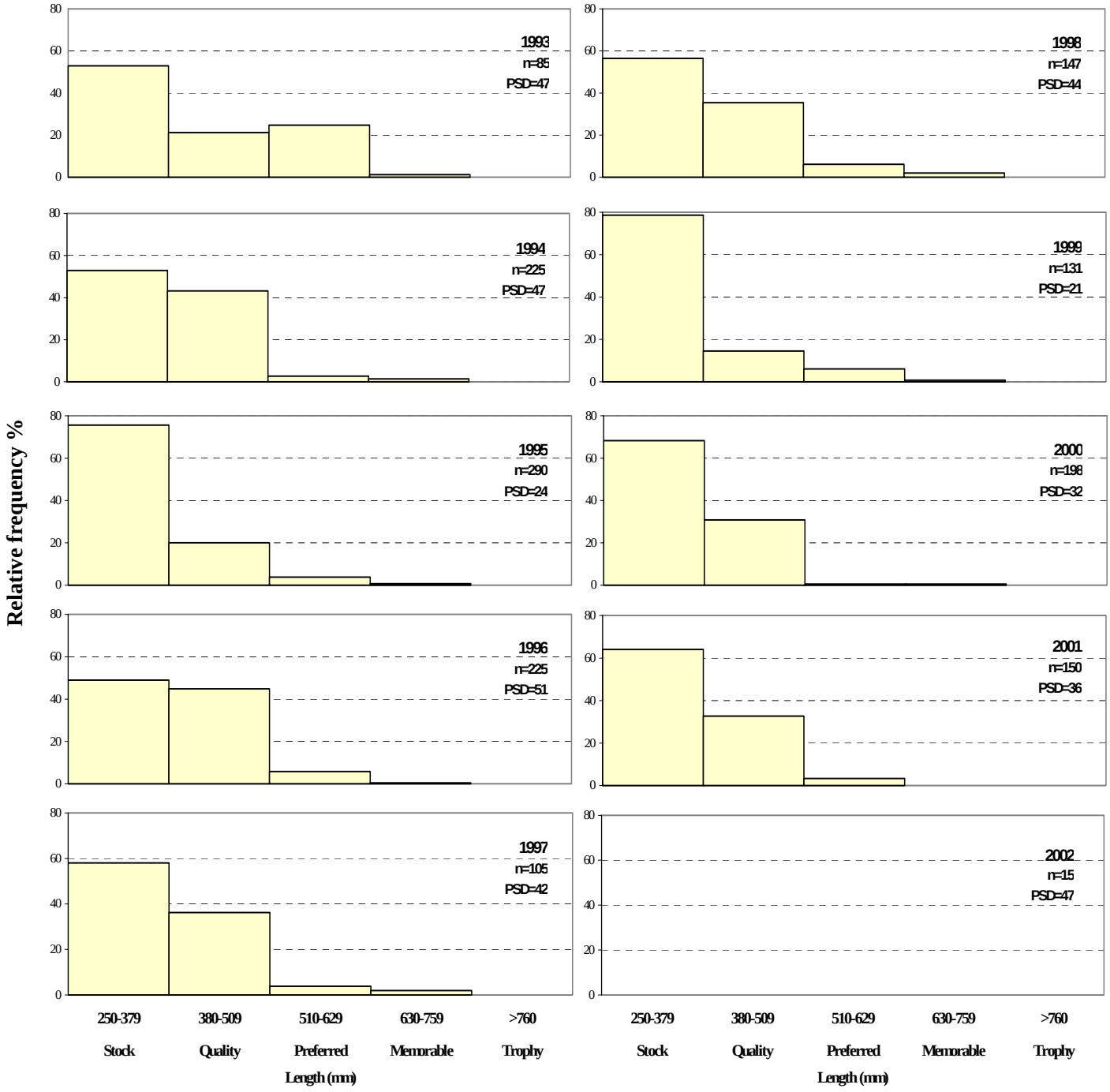
Appendix E.150. Relative frequency histograms of walleye captured by day electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



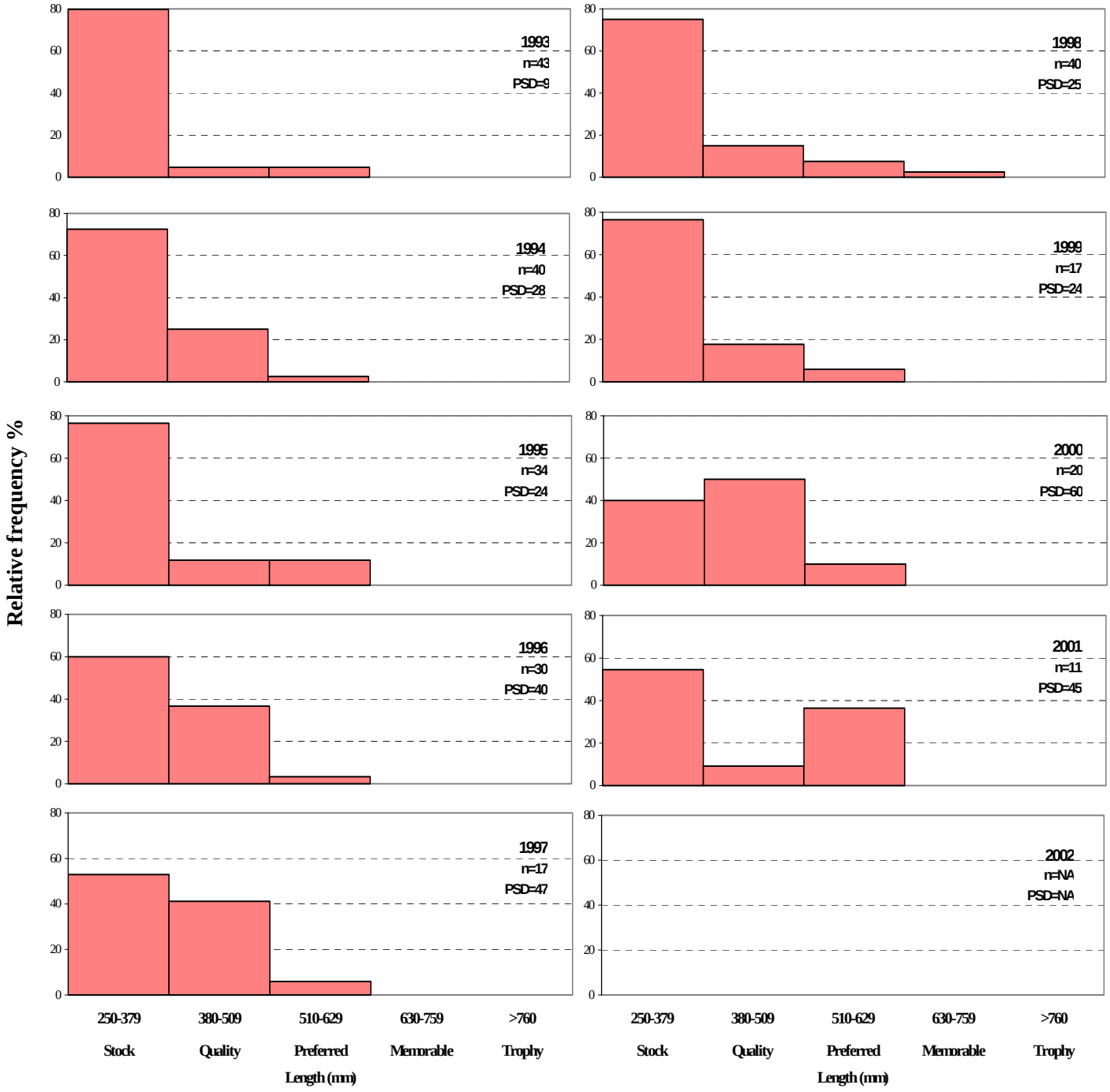
Appendix E.151. Relative frequency histograms of walleye captured by night electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



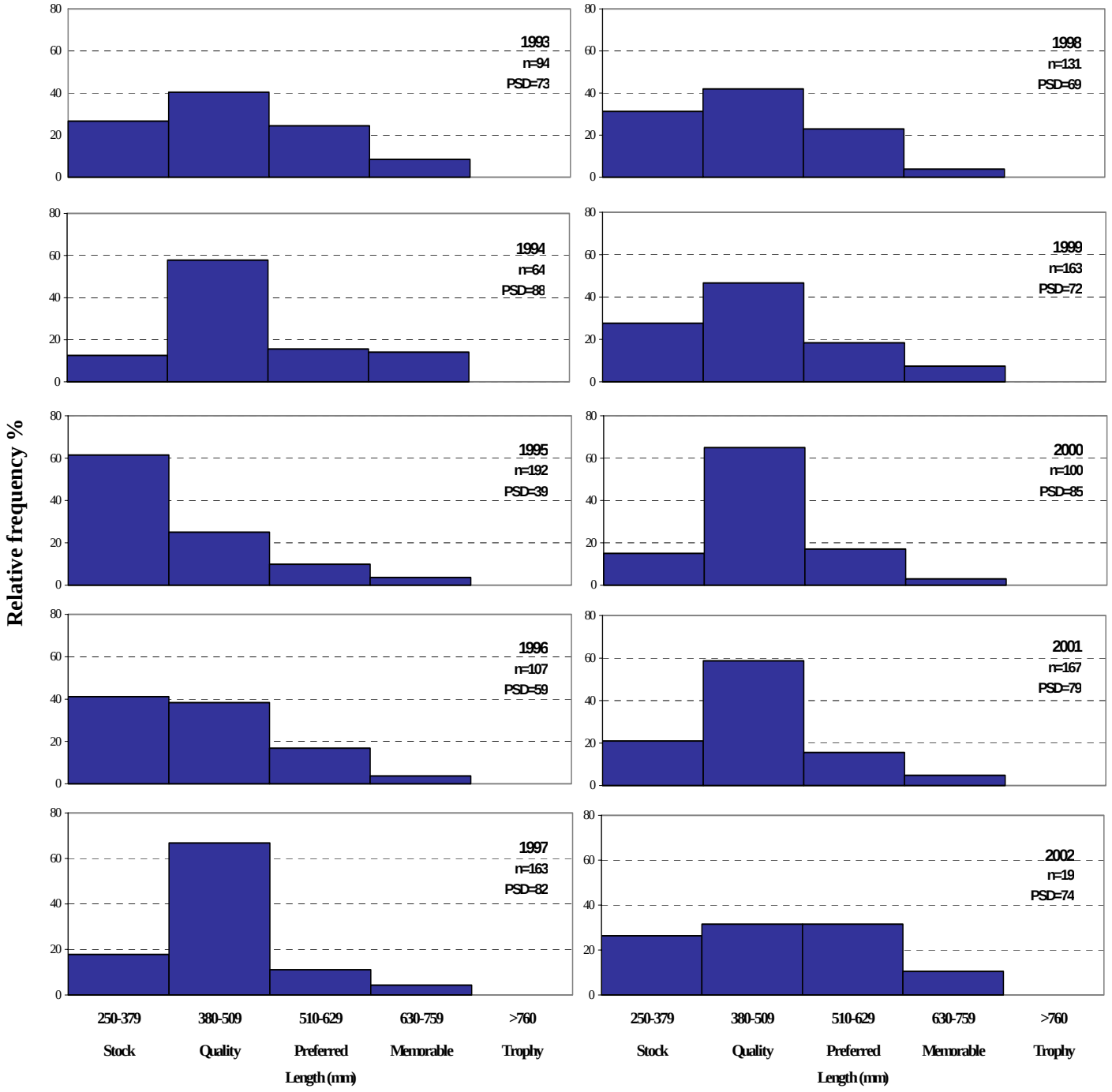
Appendix E.152. Relative frequency histograms of walleye captured by night electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



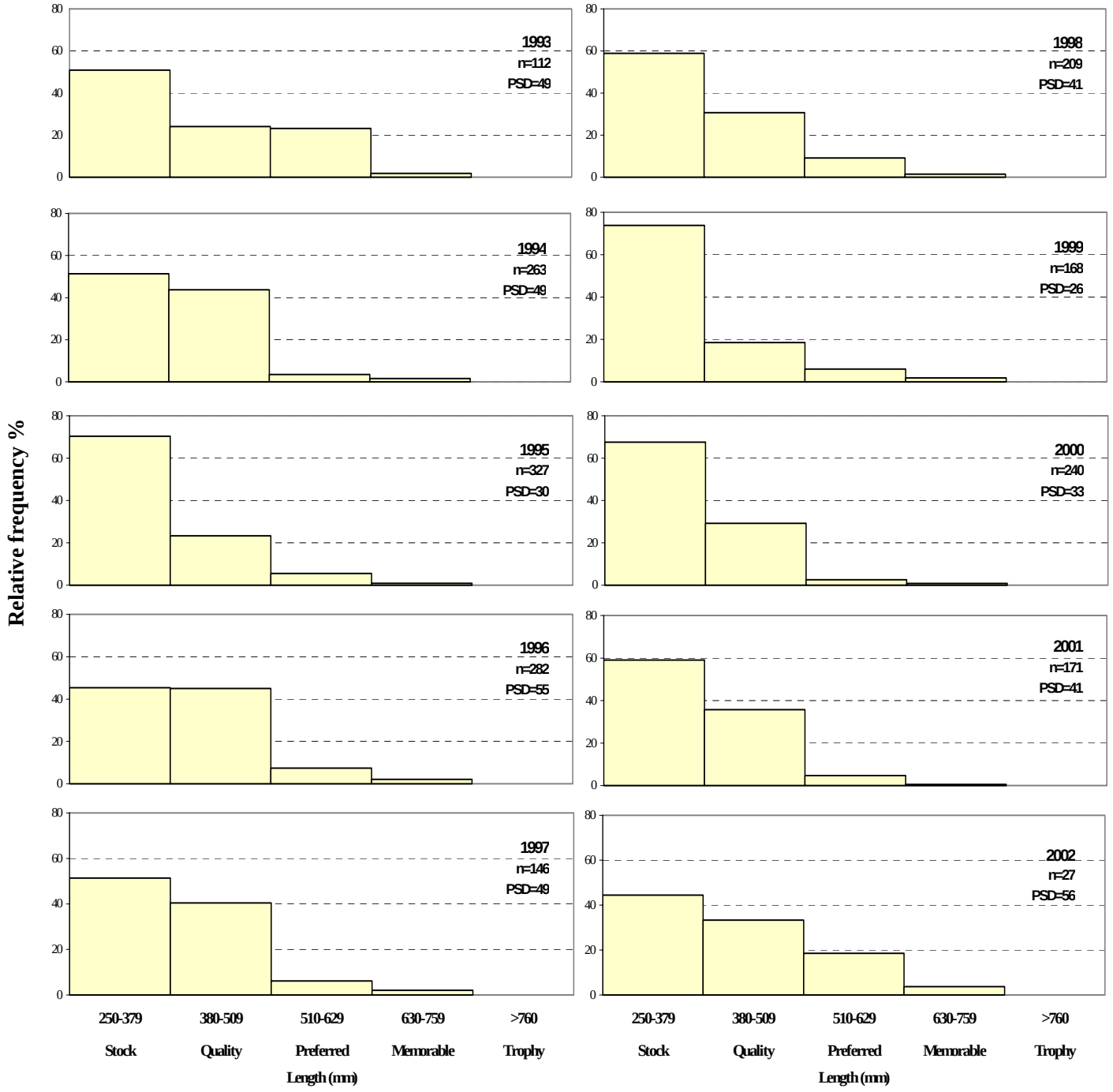
Appendix E.153. Relative frequency histograms of walleye captured by night electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



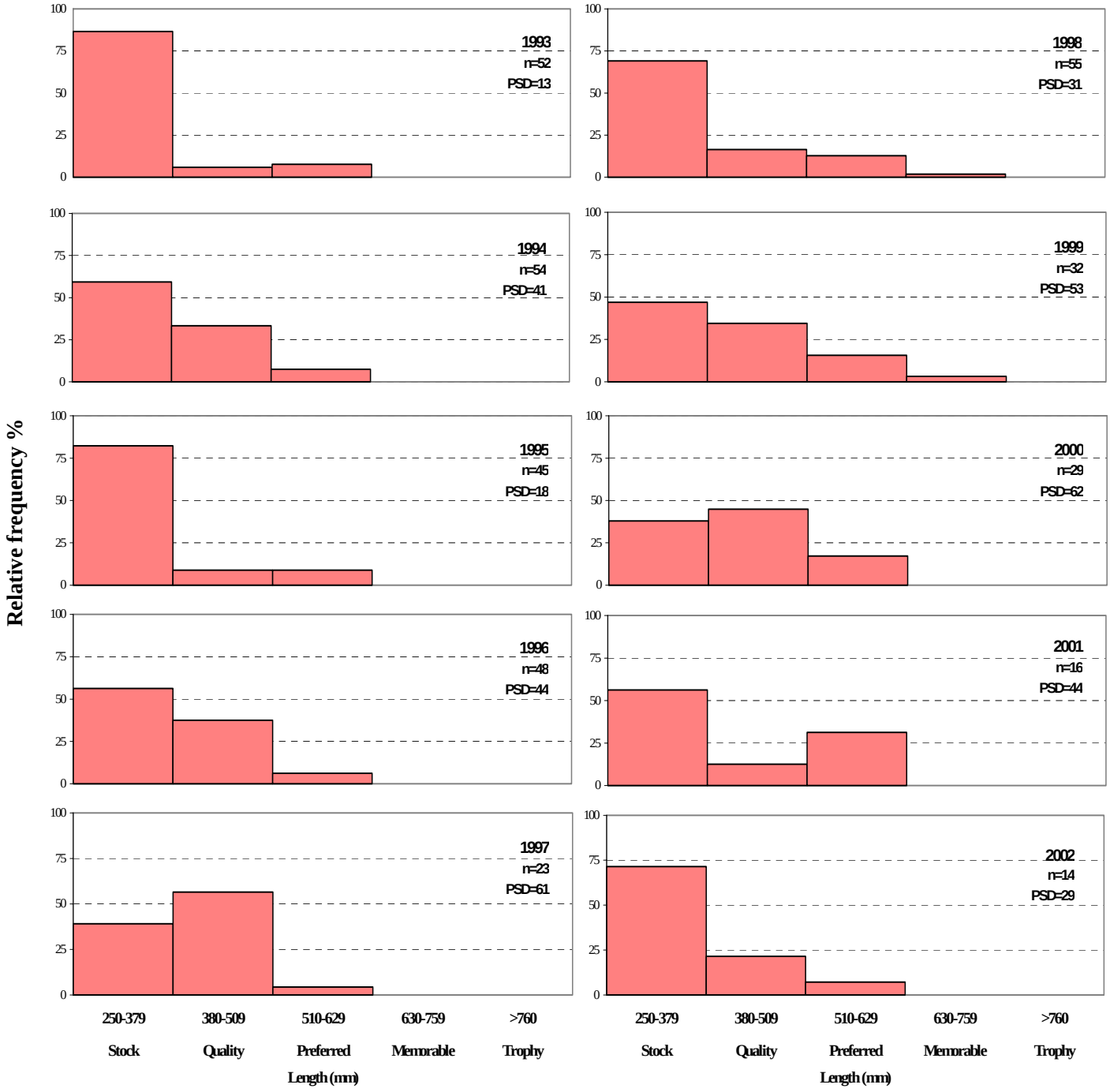
Appendix E.154. Relative frequency histograms of walleye captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



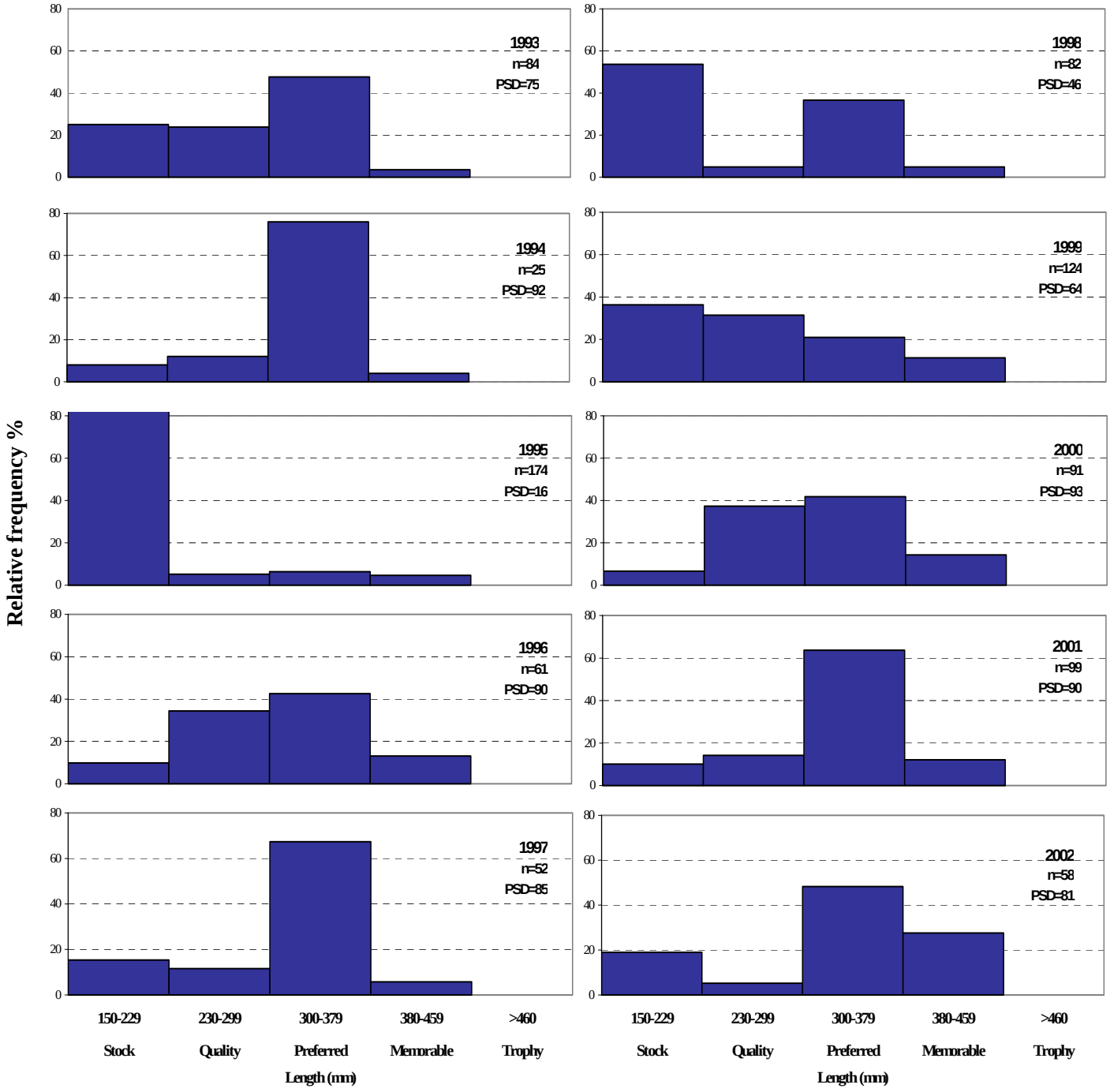
Appendix E.155. Relative frequency histograms of walleye captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



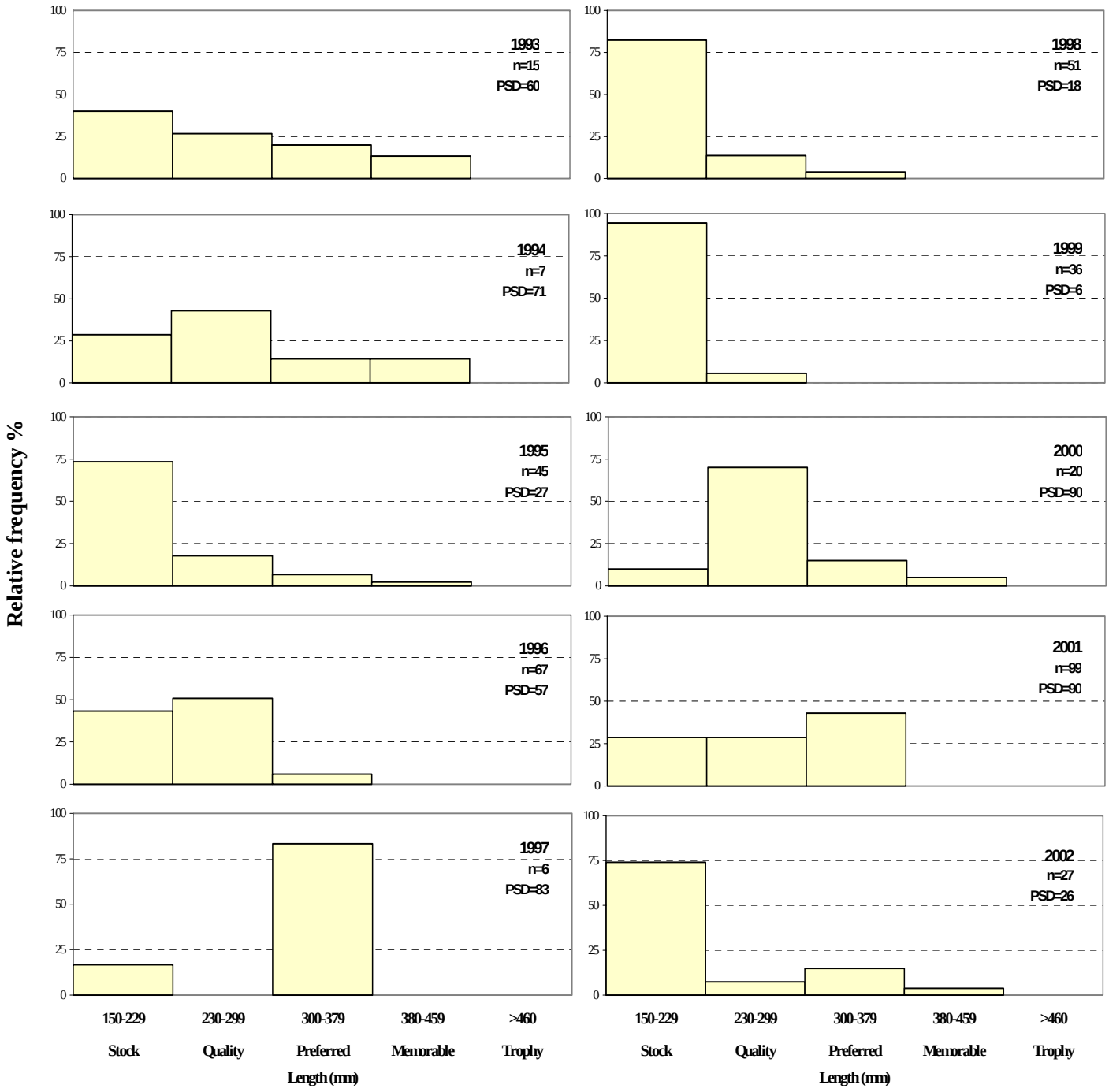
Appendix E.156. Relative frequency histograms of walleye captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



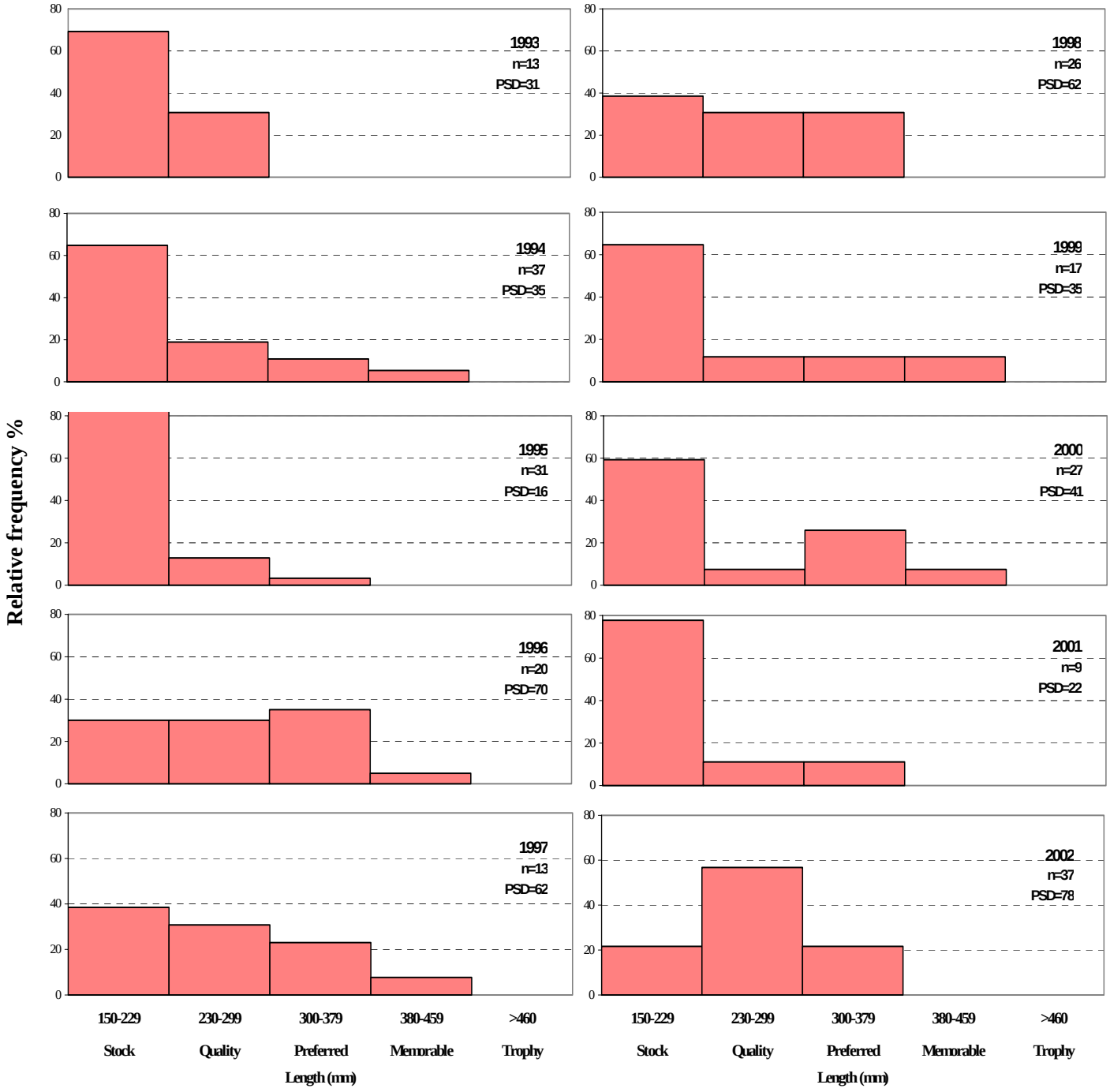
Appendix E.157. Relative frequency histograms of white bass captured by day electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



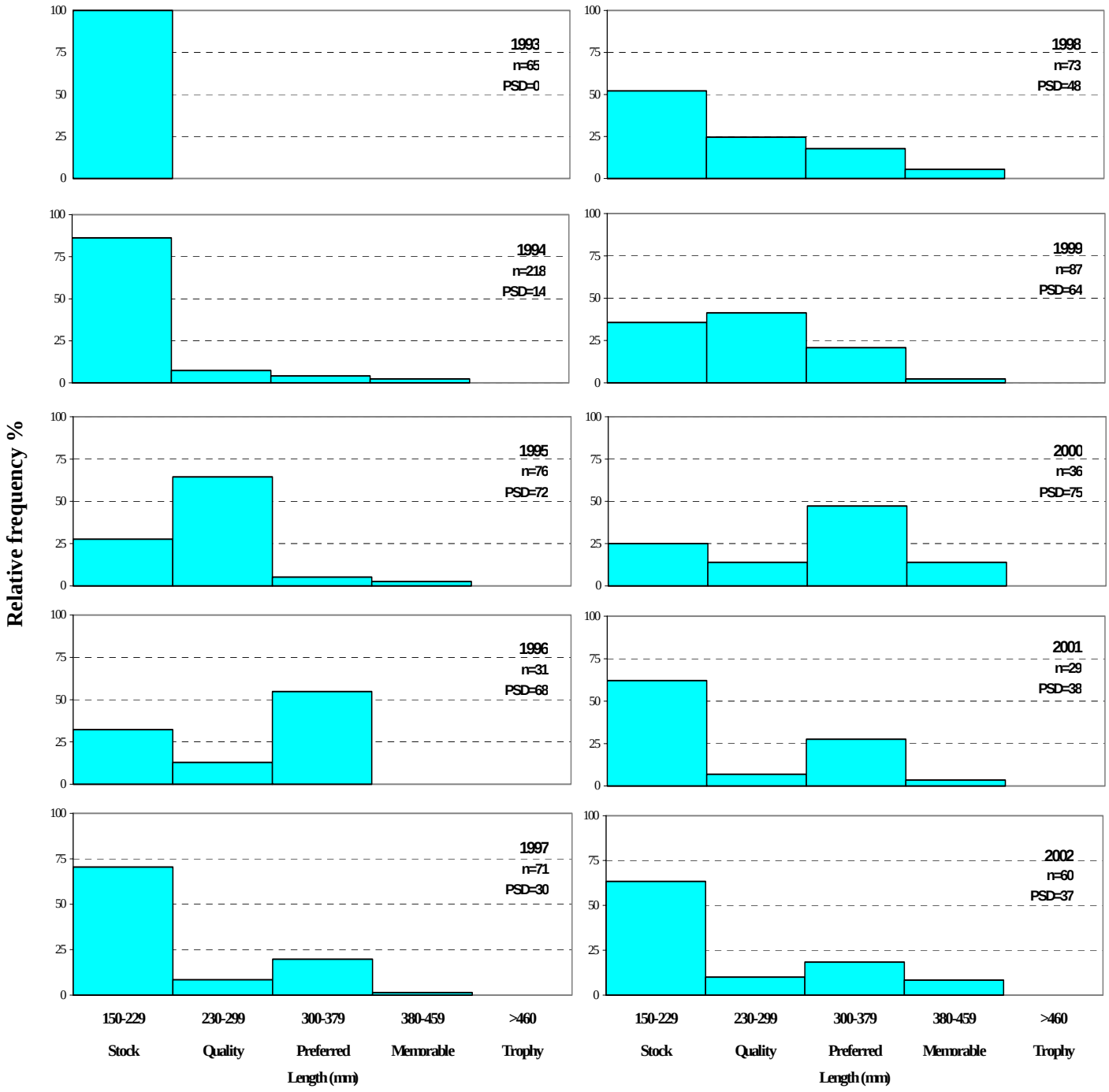
Appendix E.158. Relative frequency histograms of white bass captured by day electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



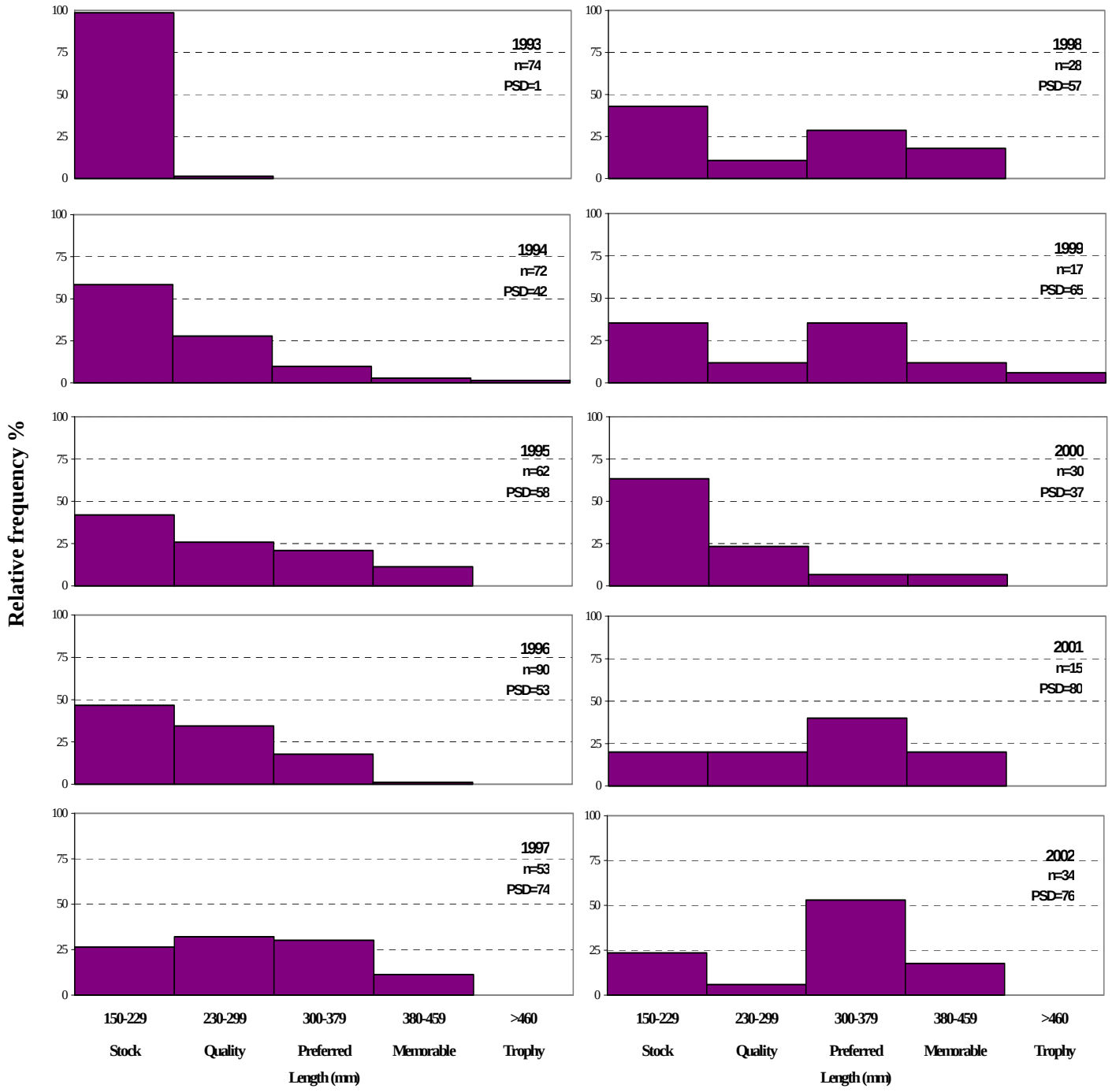
Appendix E.159. Relative frequency histograms of white bass captured by day electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



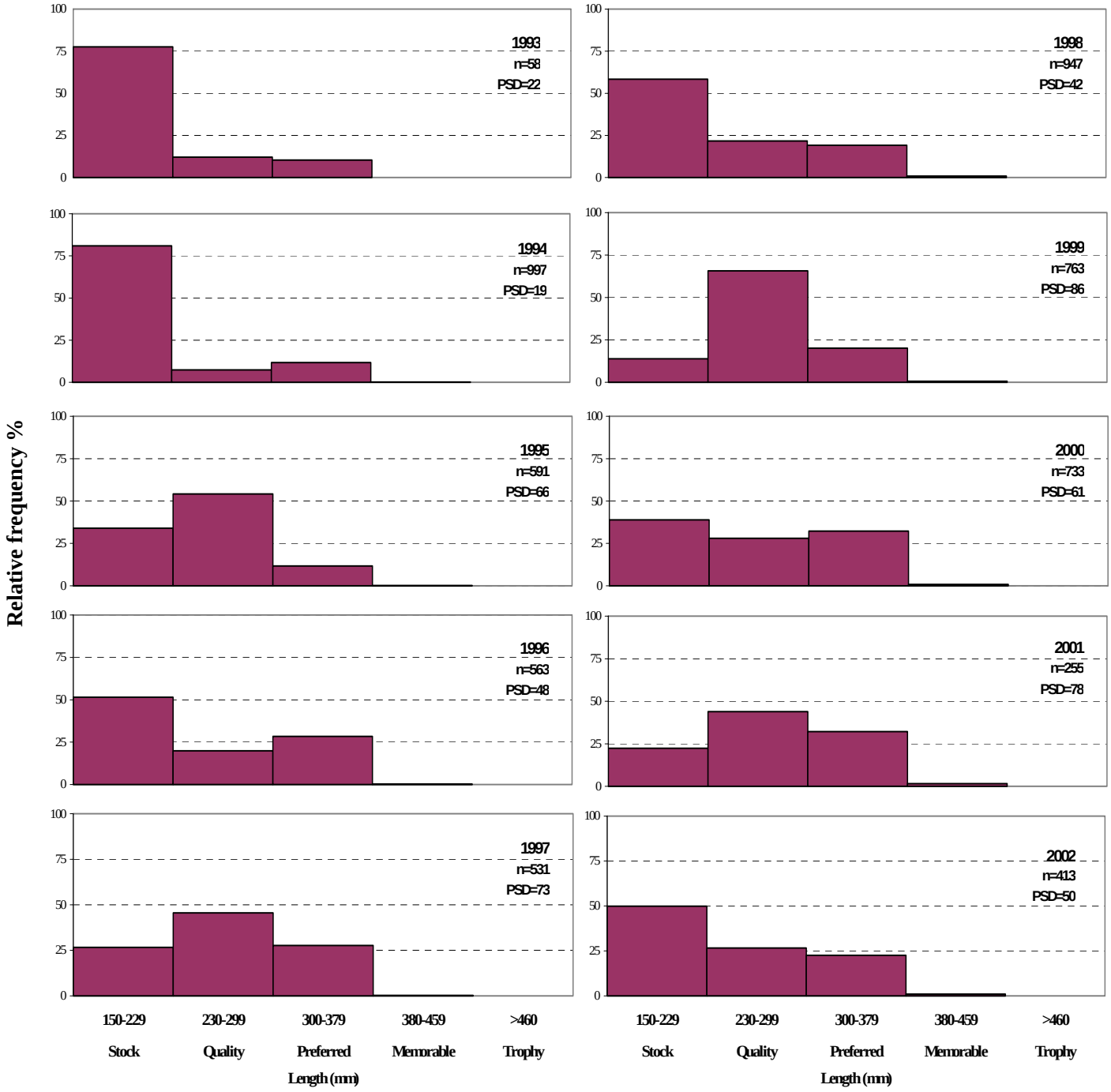
Appendix E.160. Relative frequency histograms of white bass captured by day electrofishing in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



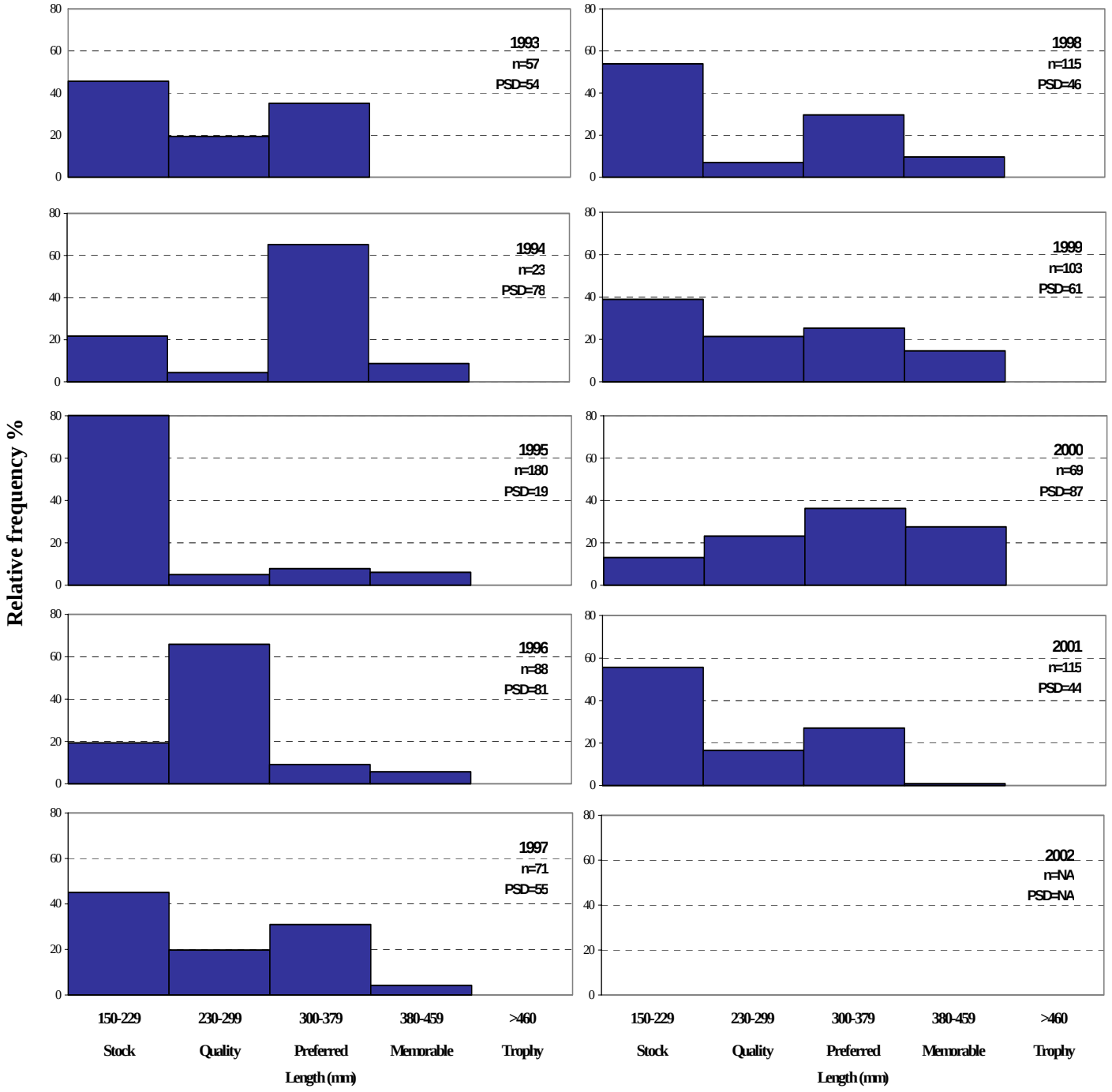
Appendix E.161. Relative frequency histograms of white bass captured by day electrofishing in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



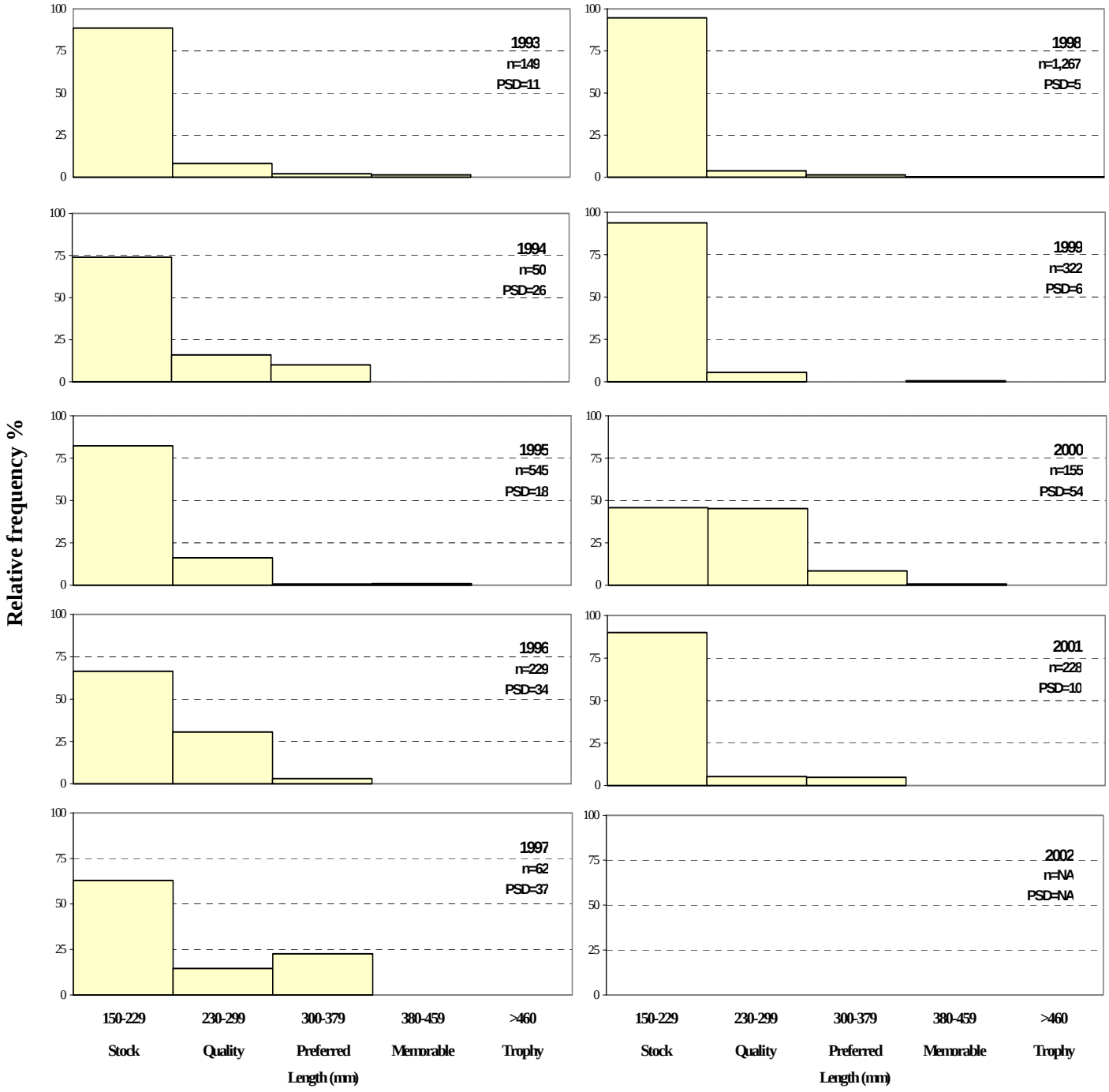
Appendix E.162. Relative frequency histograms of white bass captured by day electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



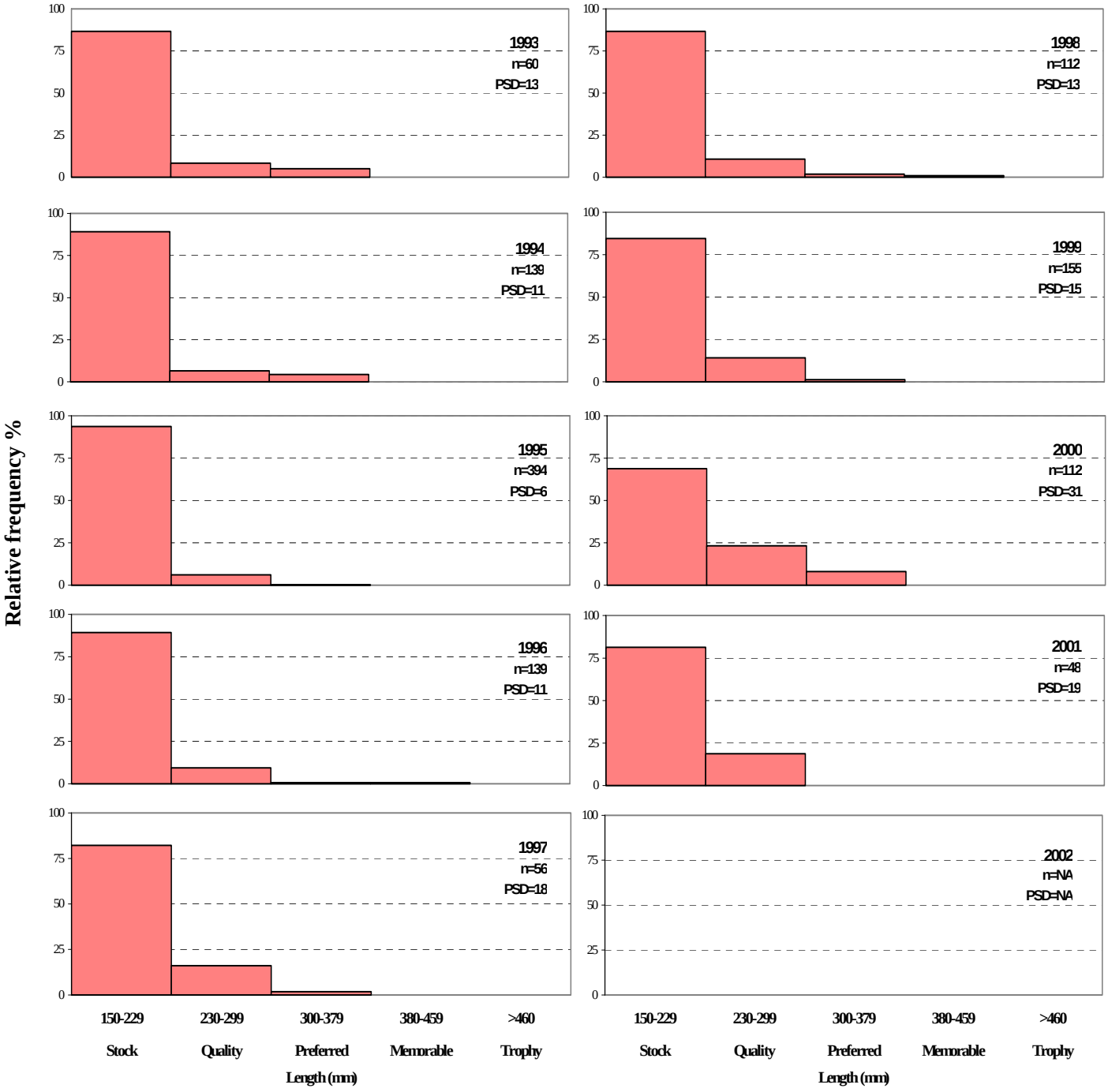
Appendix E.163. Relative frequency histograms of white bass captured by night electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



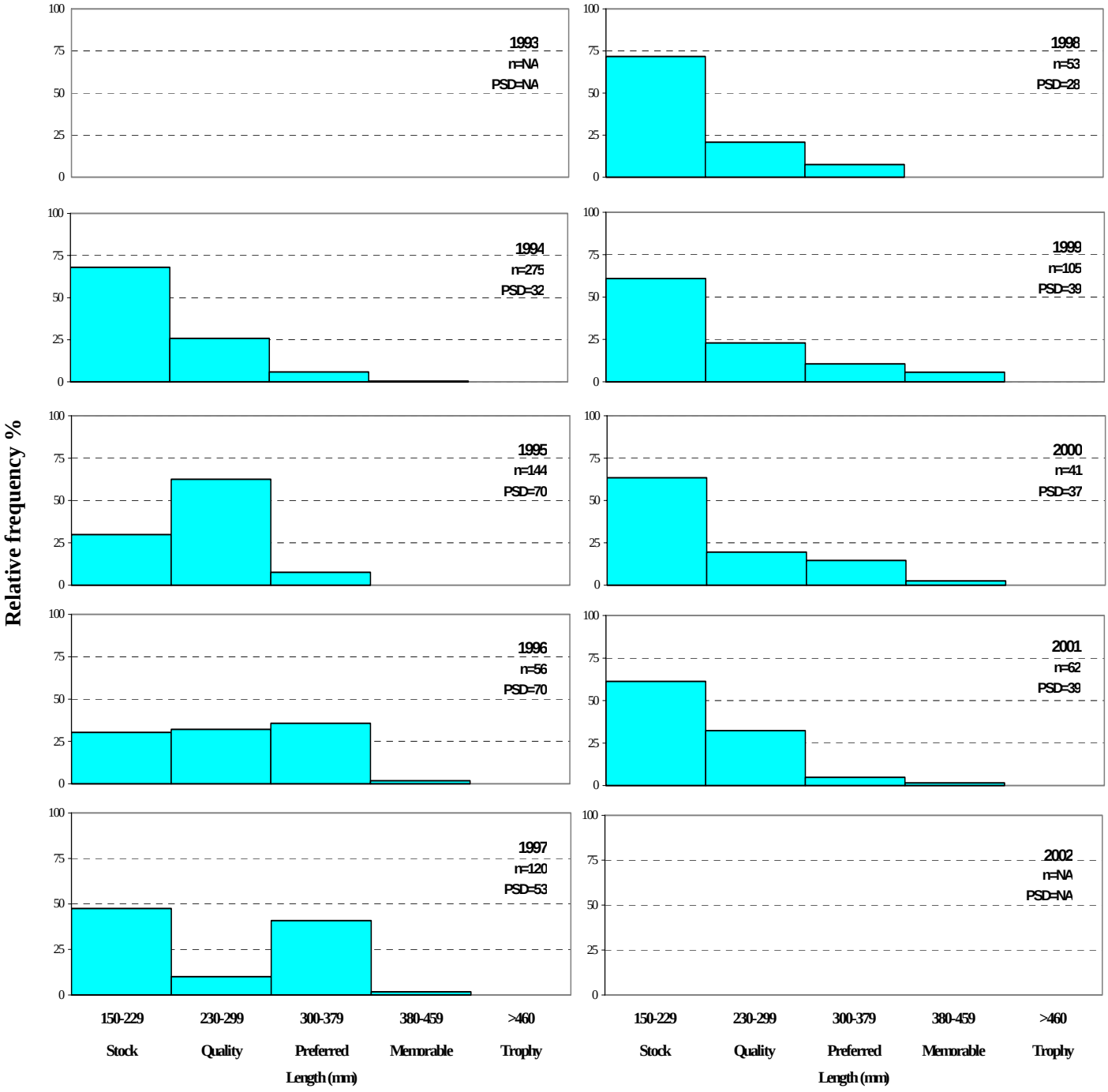
Appendix E.164. Relative frequency histograms of white bass captured by night electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



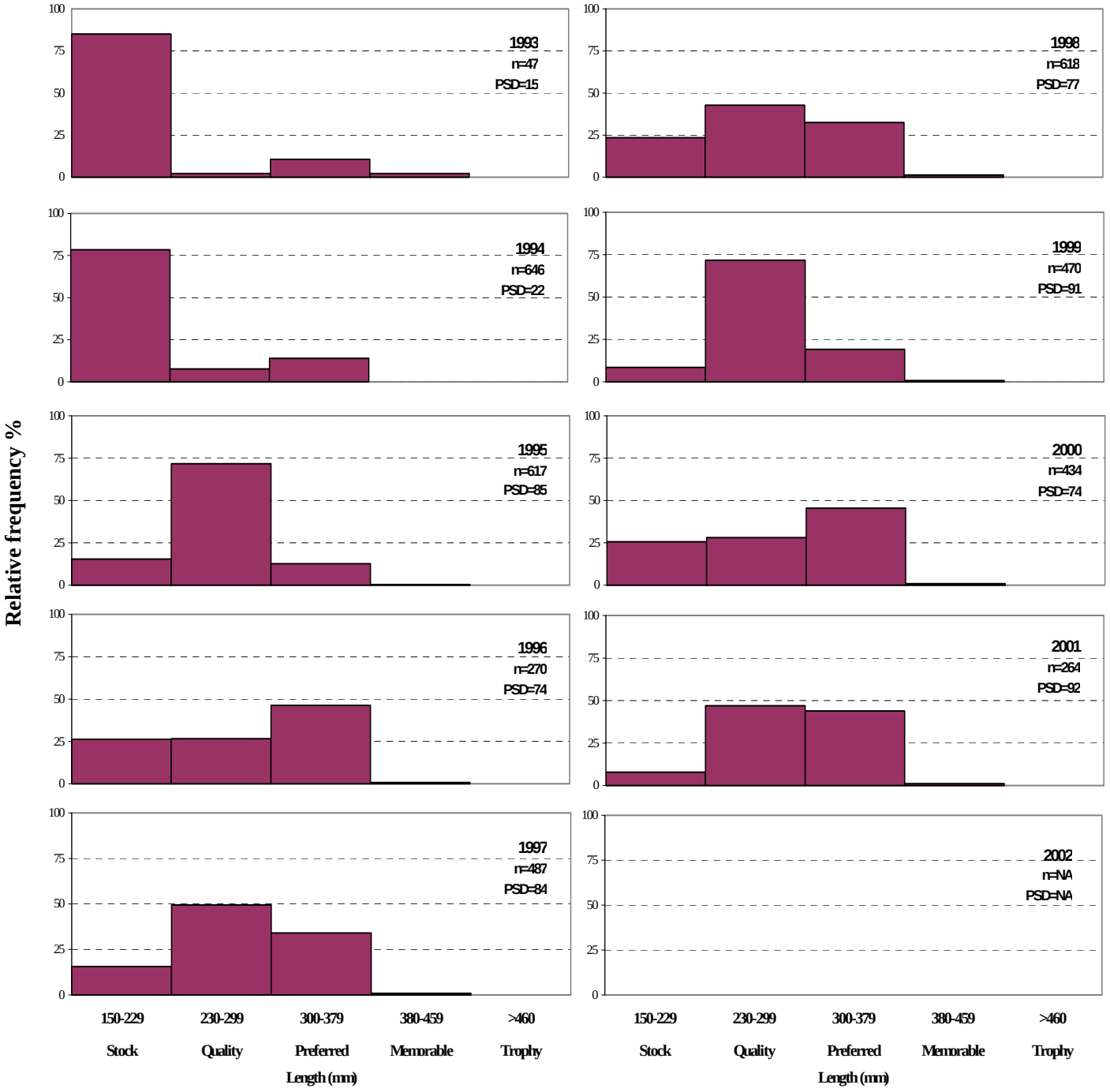
Appendix E.165. Relative frequency histograms of white bass captured by night electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



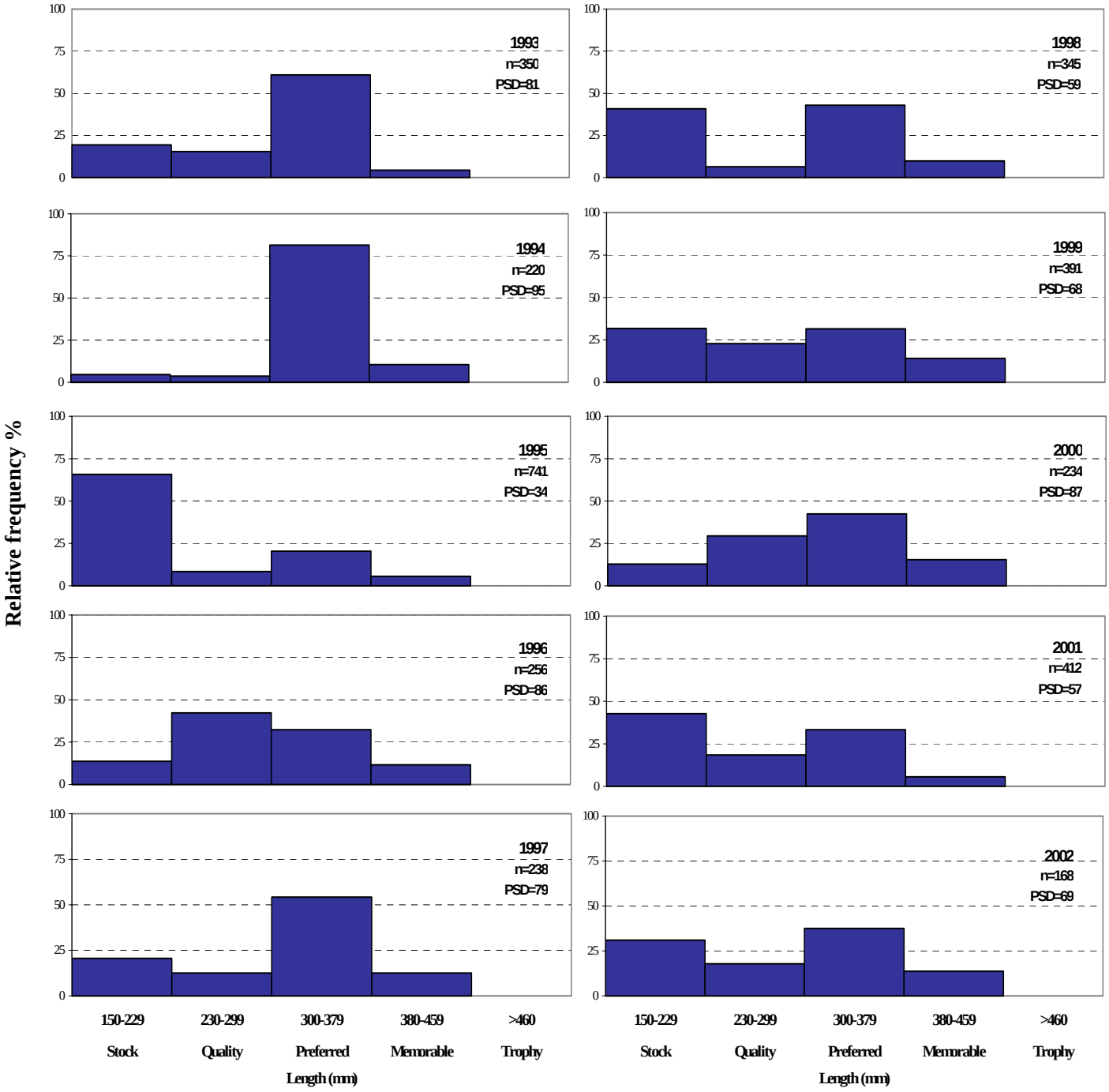
Appendix E.166. Relative frequency histograms of white bass captured by night electrofishing in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



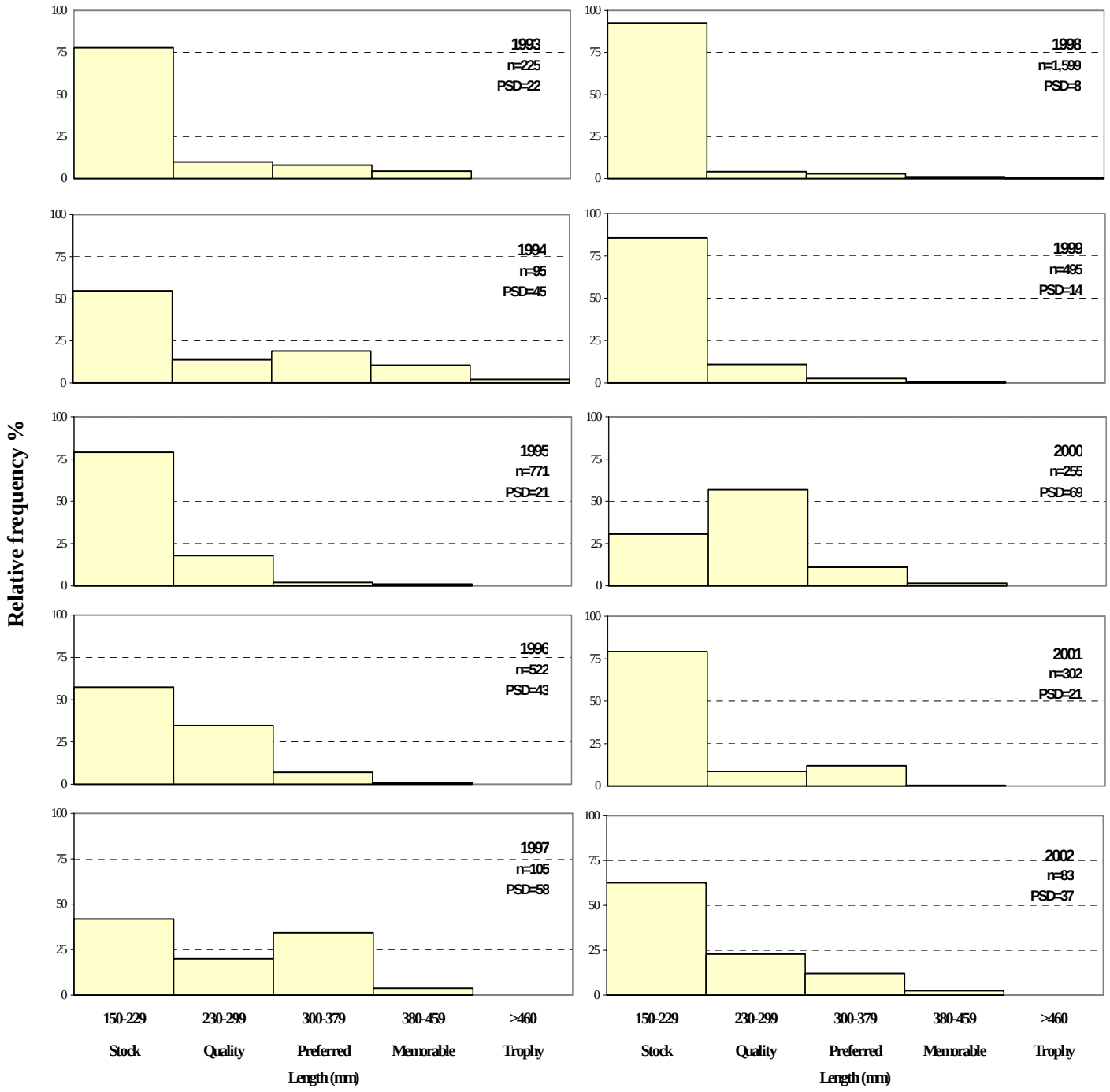
Appendix E.167. Relative frequency histograms of white bass captured by night electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



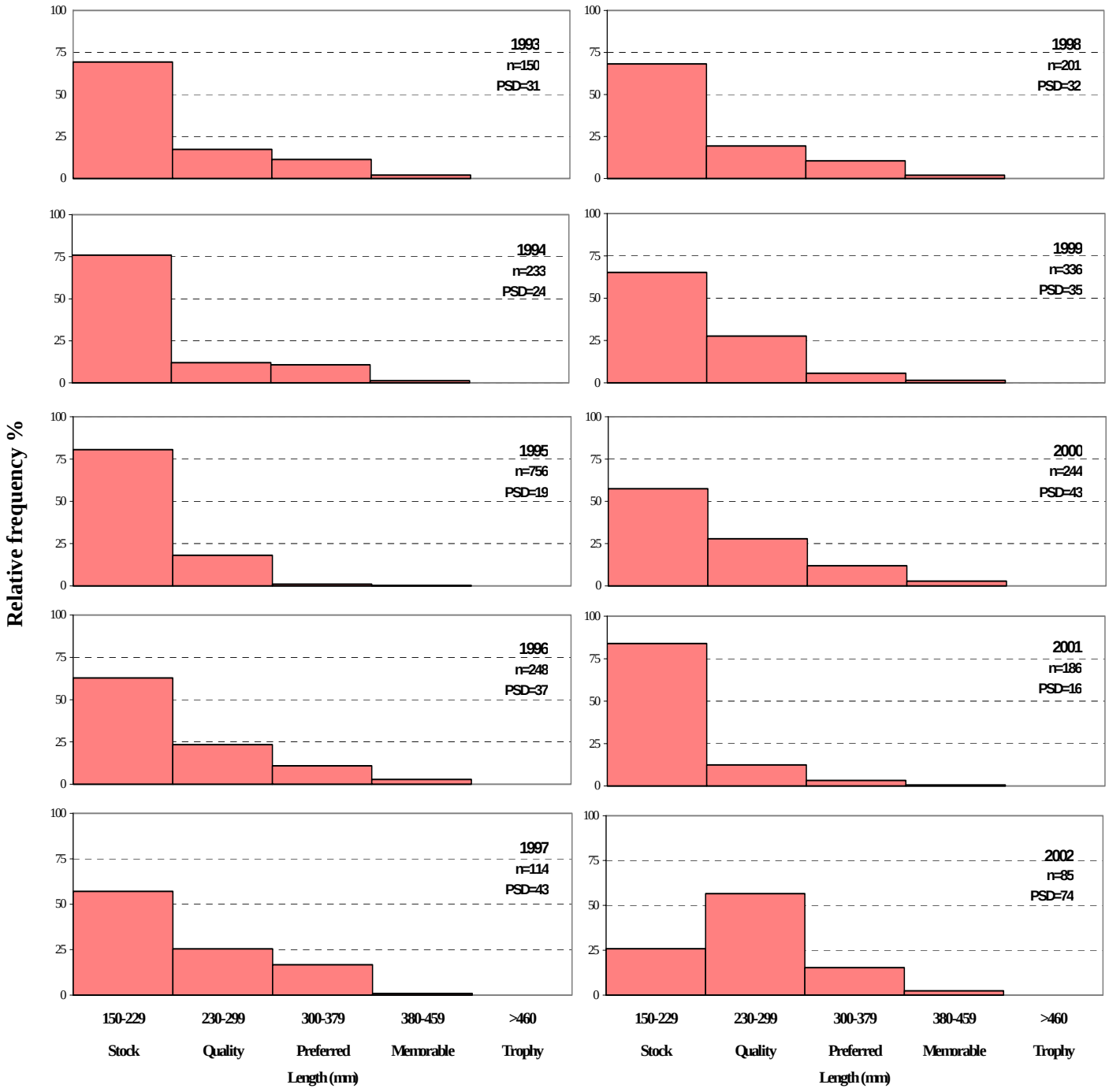
Appendix E.168. Relative frequency histograms of white bass captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



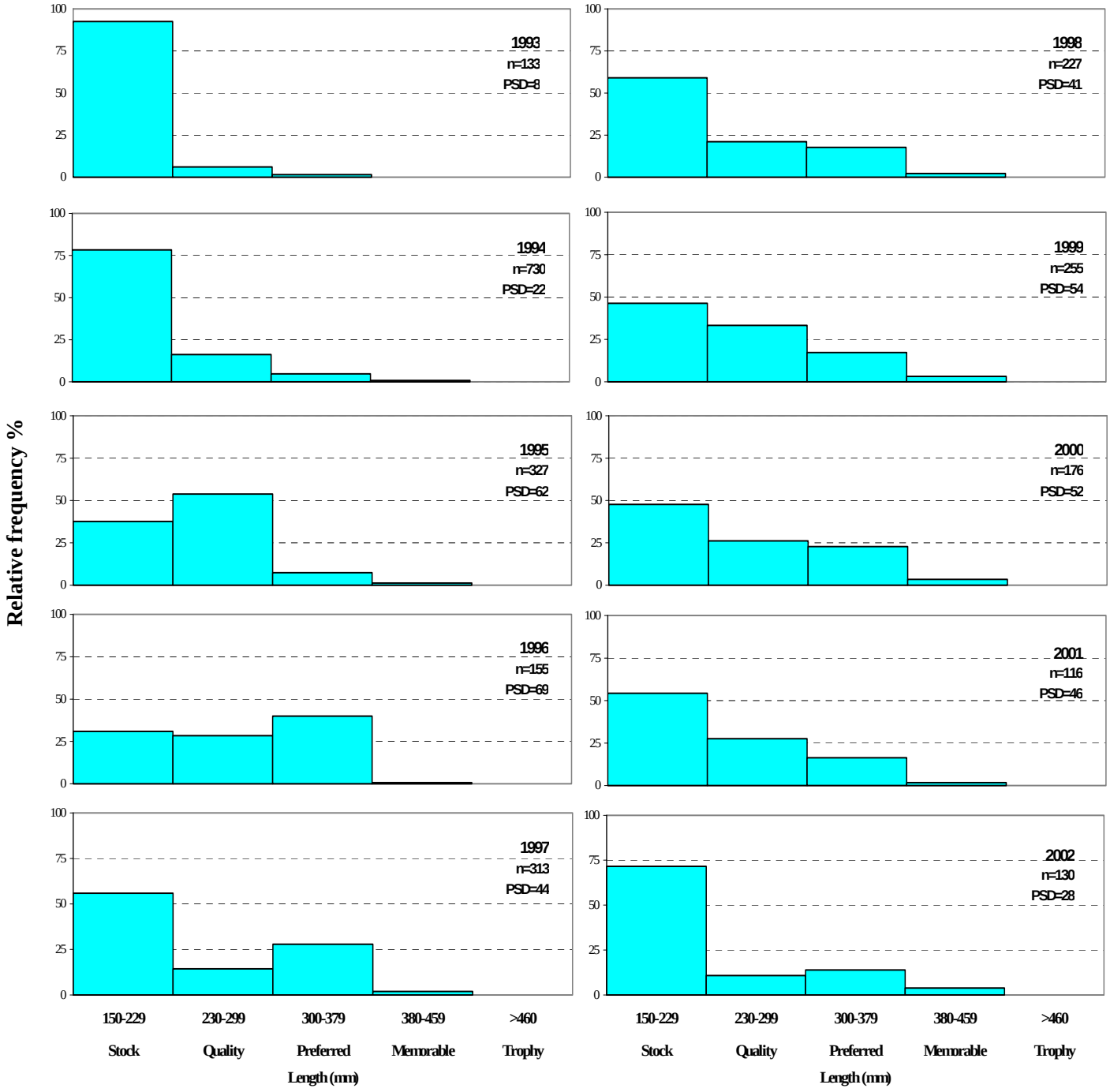
Appendix E.169. Relative frequency histograms of white bass captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



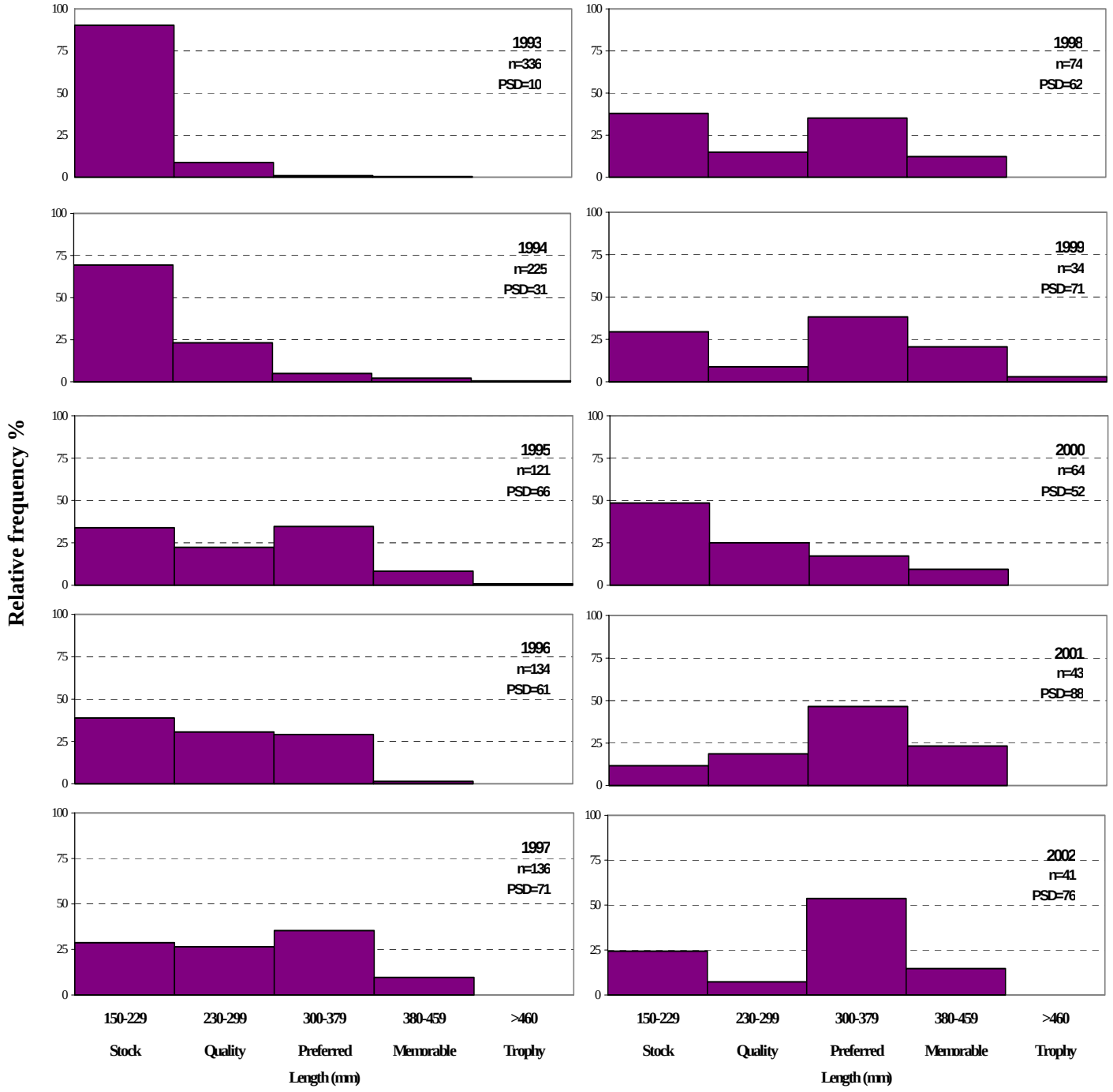
Appendix E.170. Relative frequency histograms of white bass captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



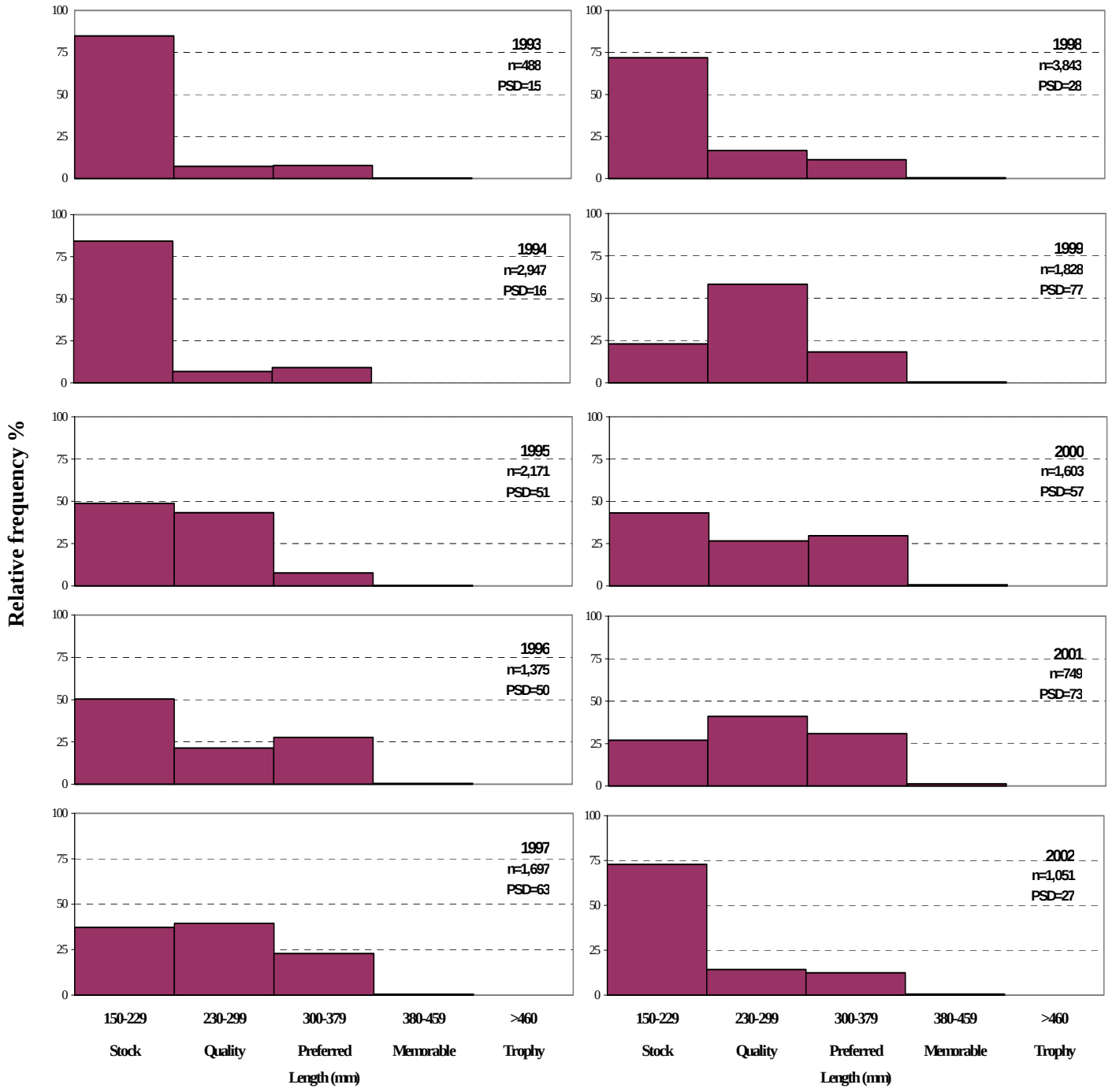
Appendix E.171. Relative frequency histograms of white bass captured by all gears in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



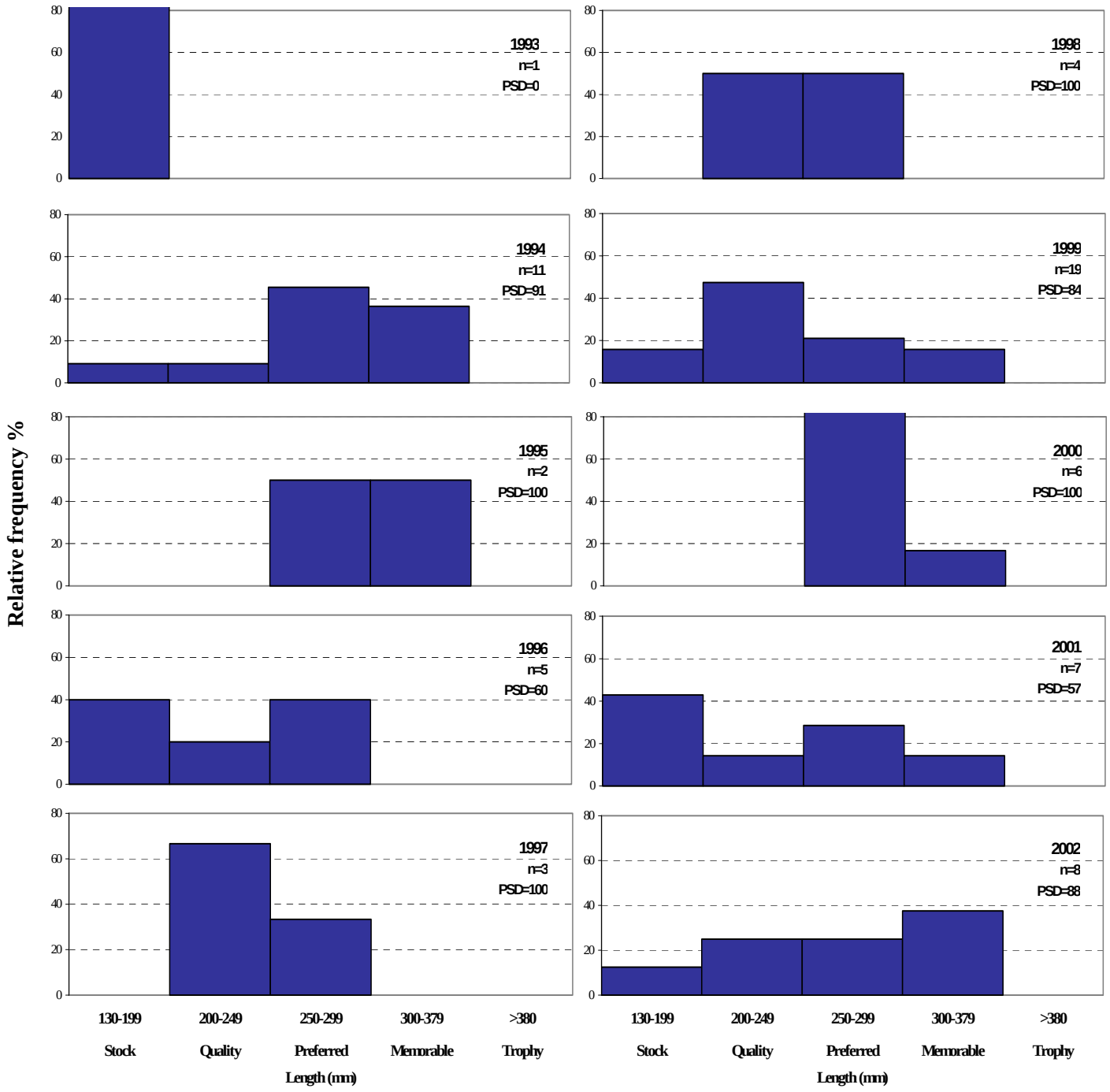
Appendix E.172. Relative frequency histograms of white bass captured by all gears in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



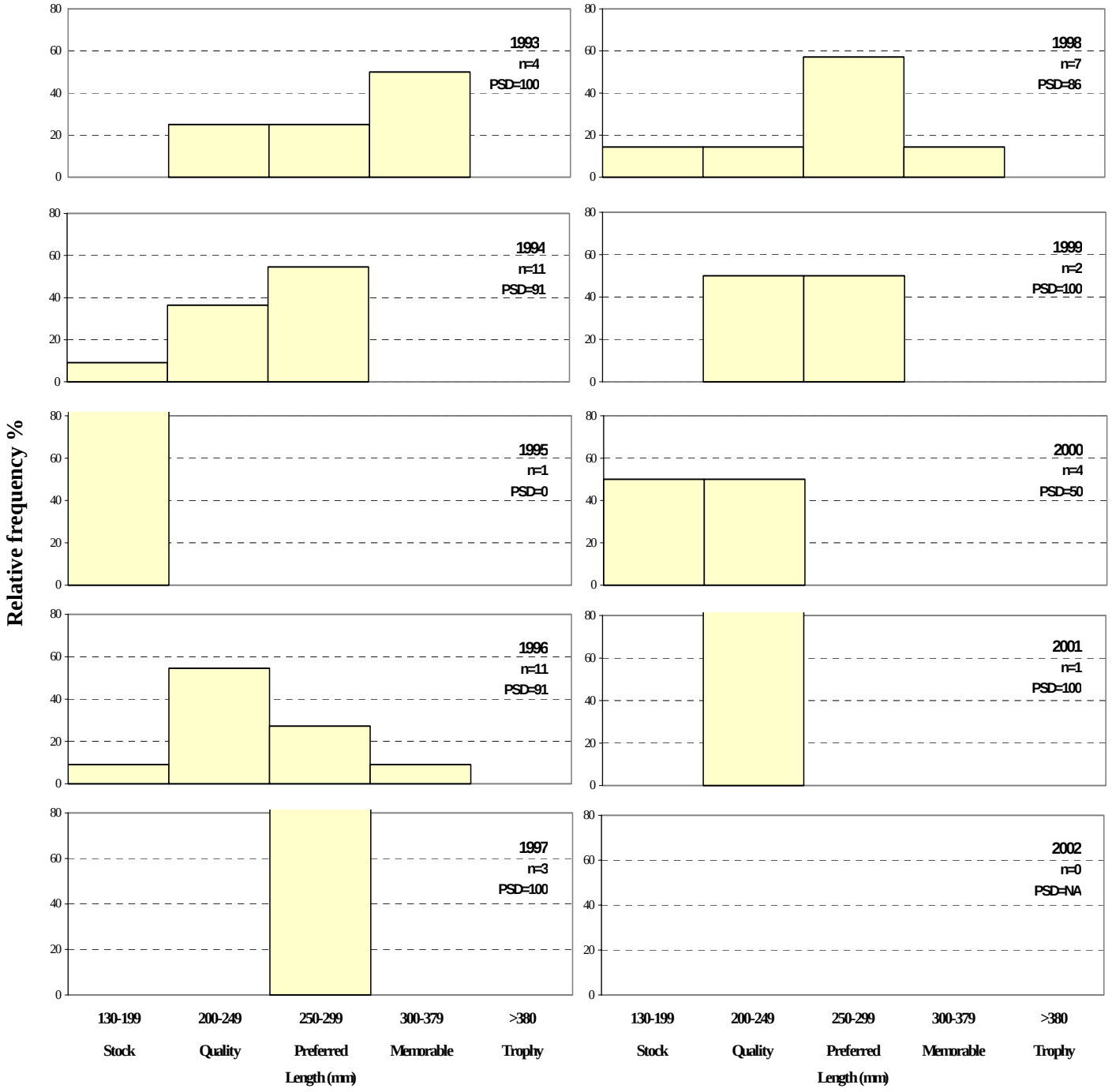
Appendix E.173. Relative frequency histograms of white bass captured by all gears in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



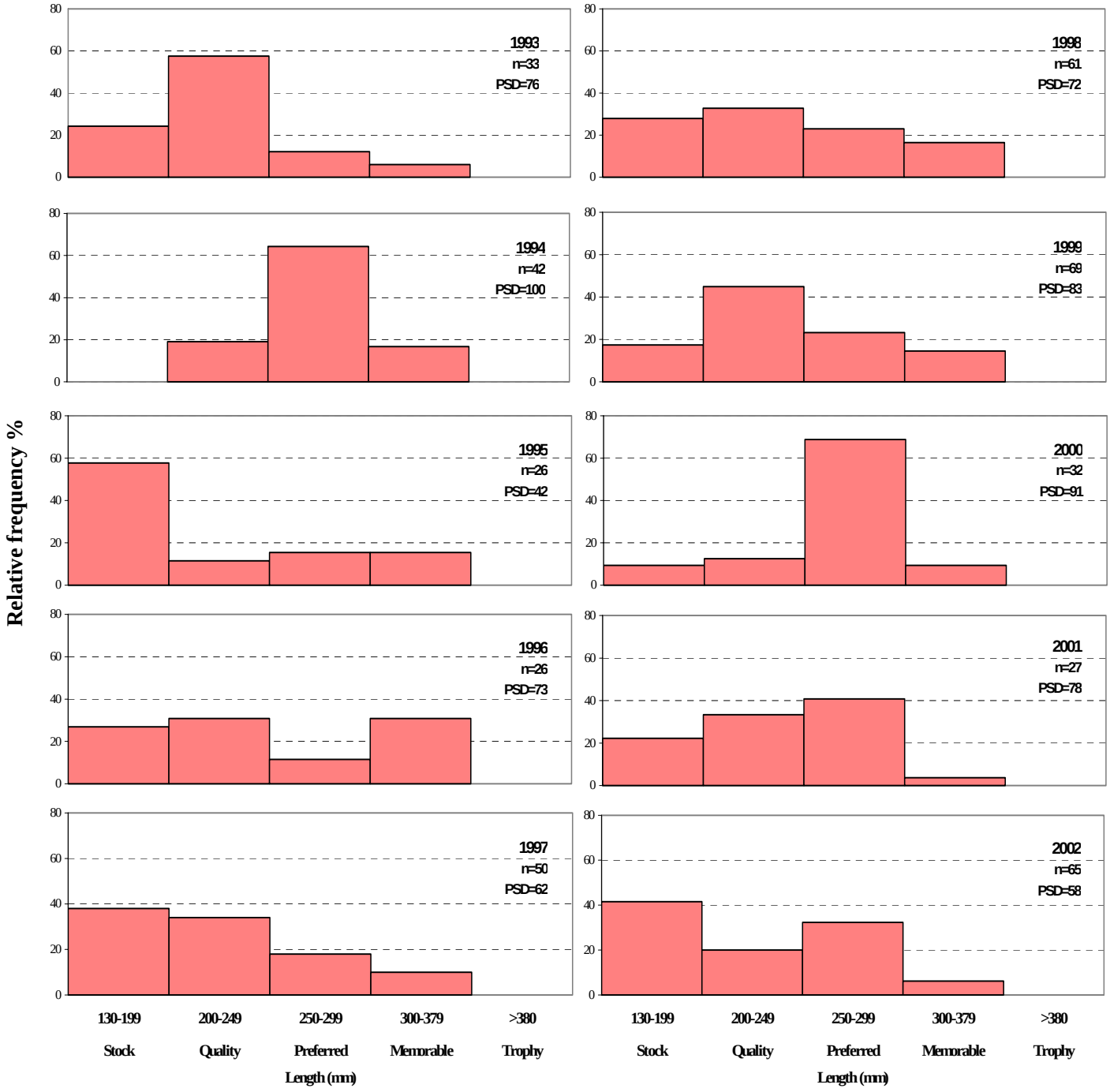
Appendix E.174. Relative frequency histograms of white crappie captured by day electrofishing in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



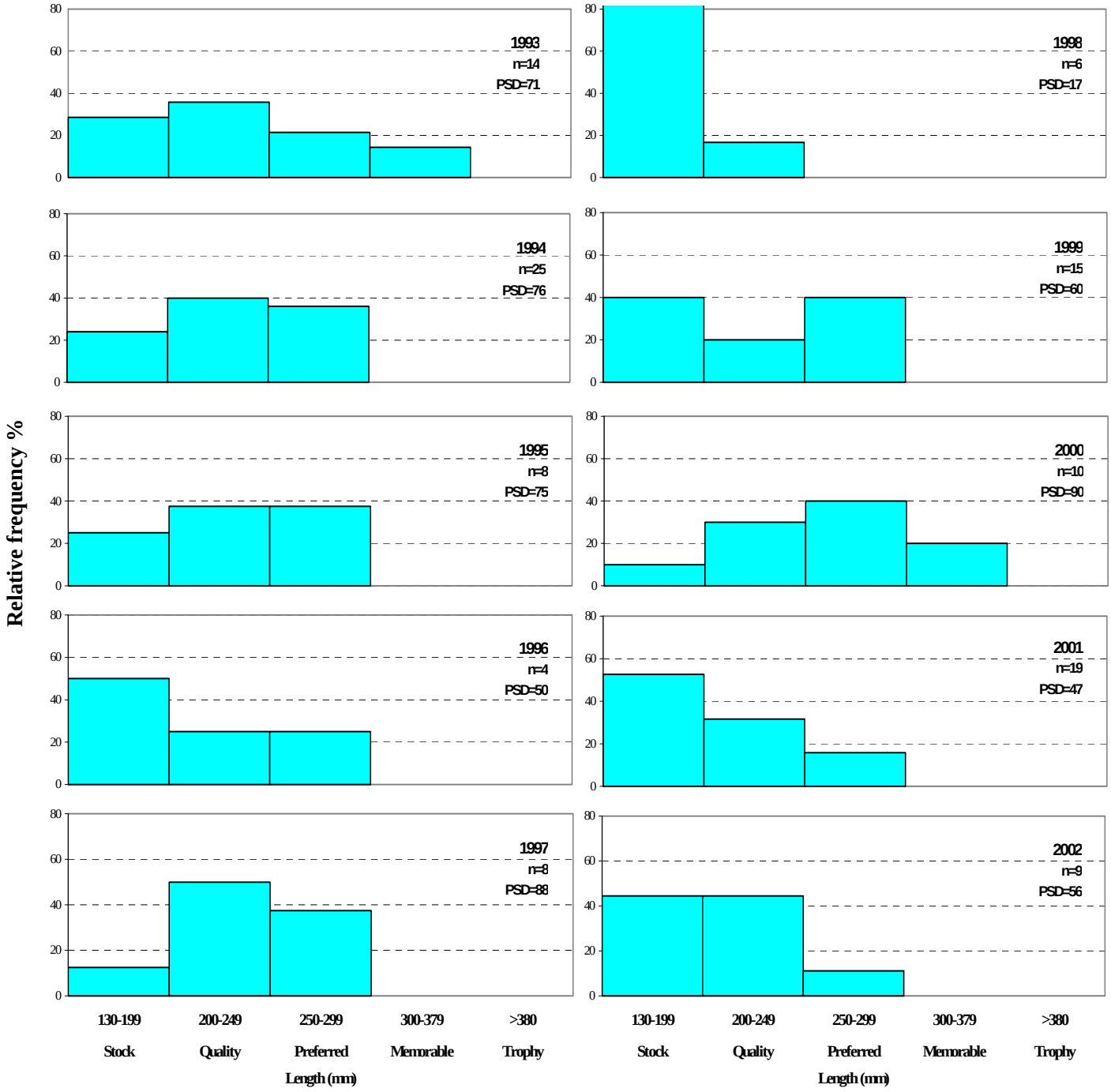
Appendix E.175. Relative frequency histograms of white crappie captured by day electrofishing in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



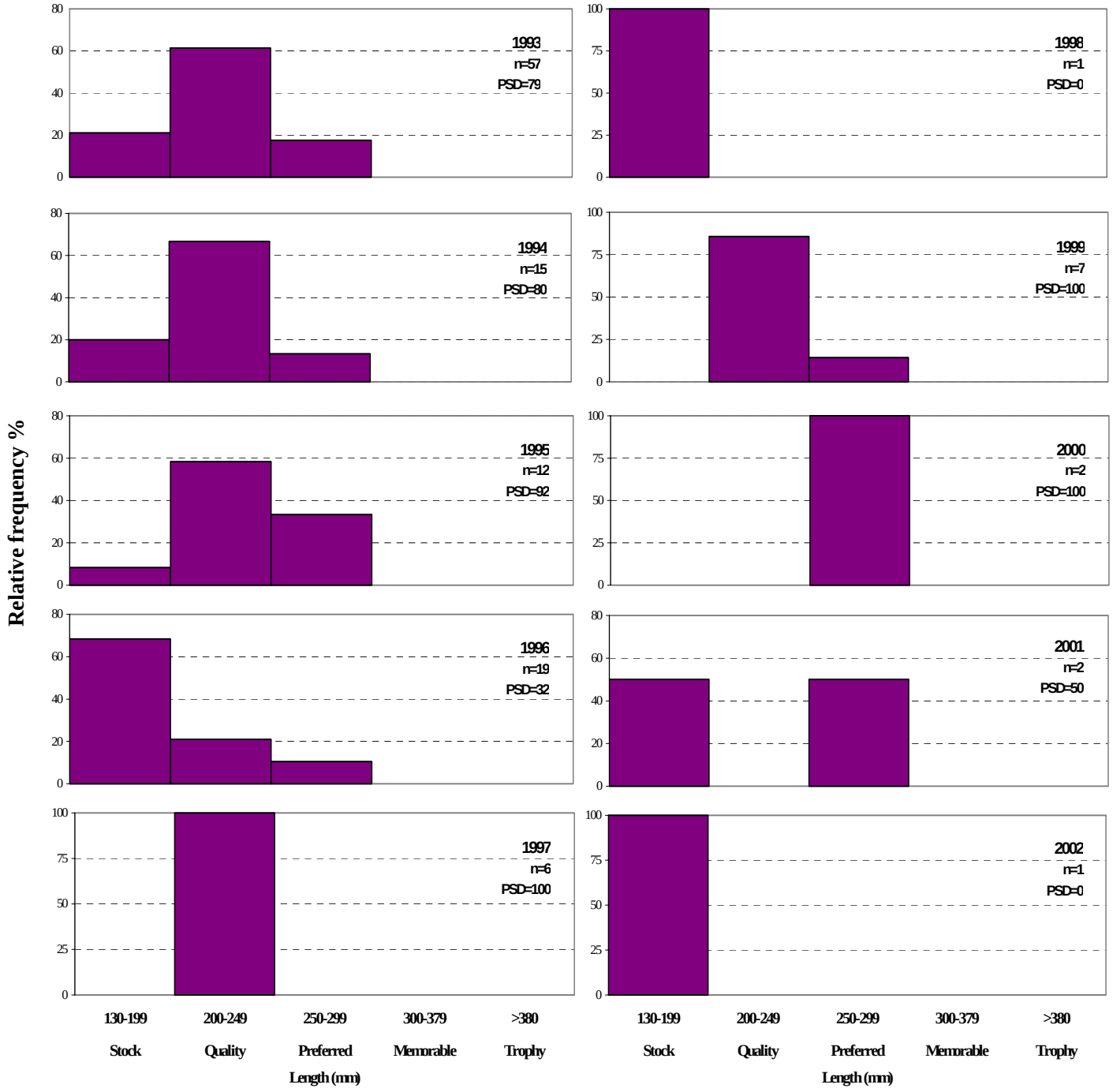
Appendix E.176. Relative frequency histograms of white crappie captured by day electrofishing in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



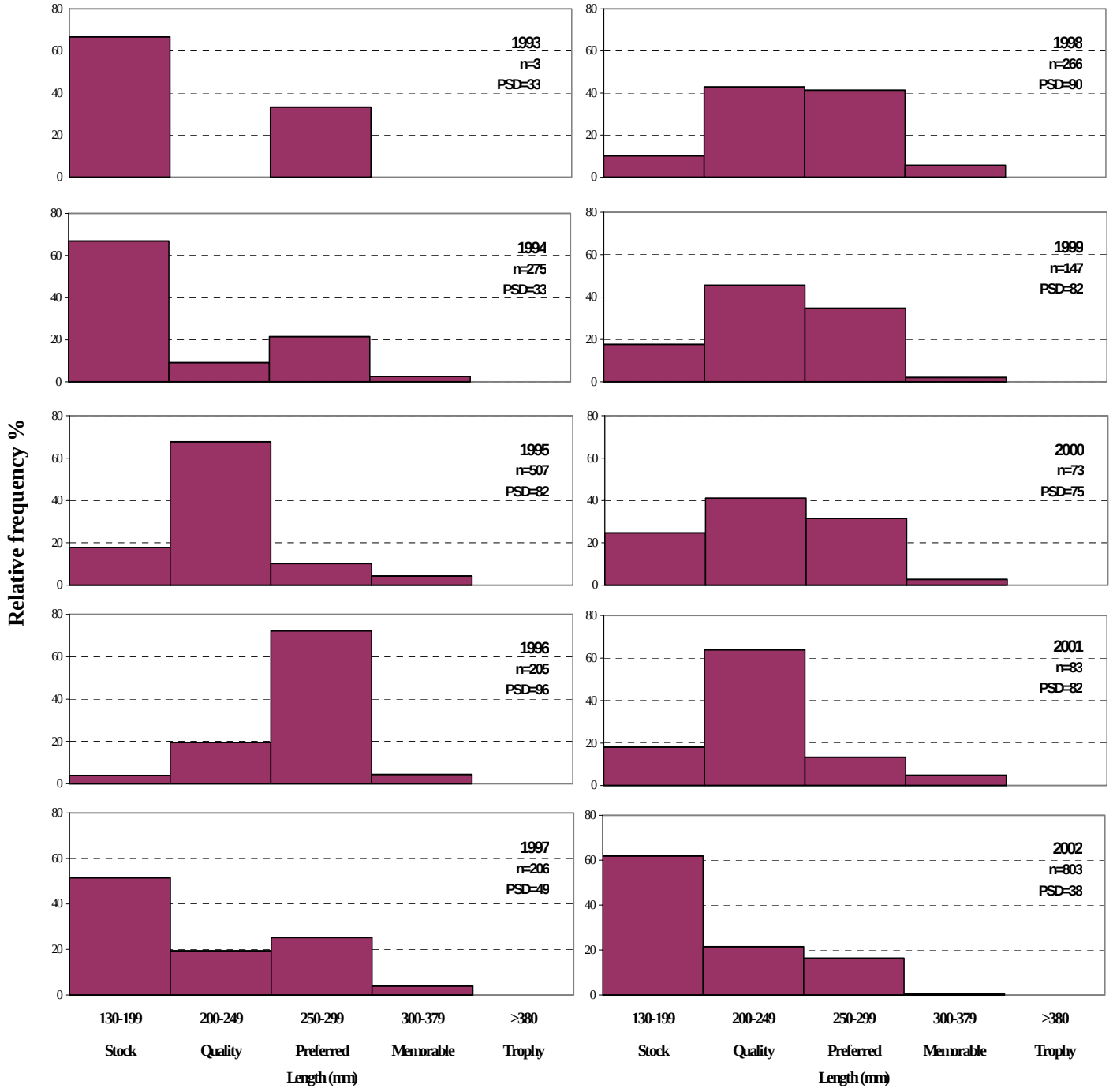
Appendix E.177. Relative frequency histograms of white crappie captured by day electrofishing in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



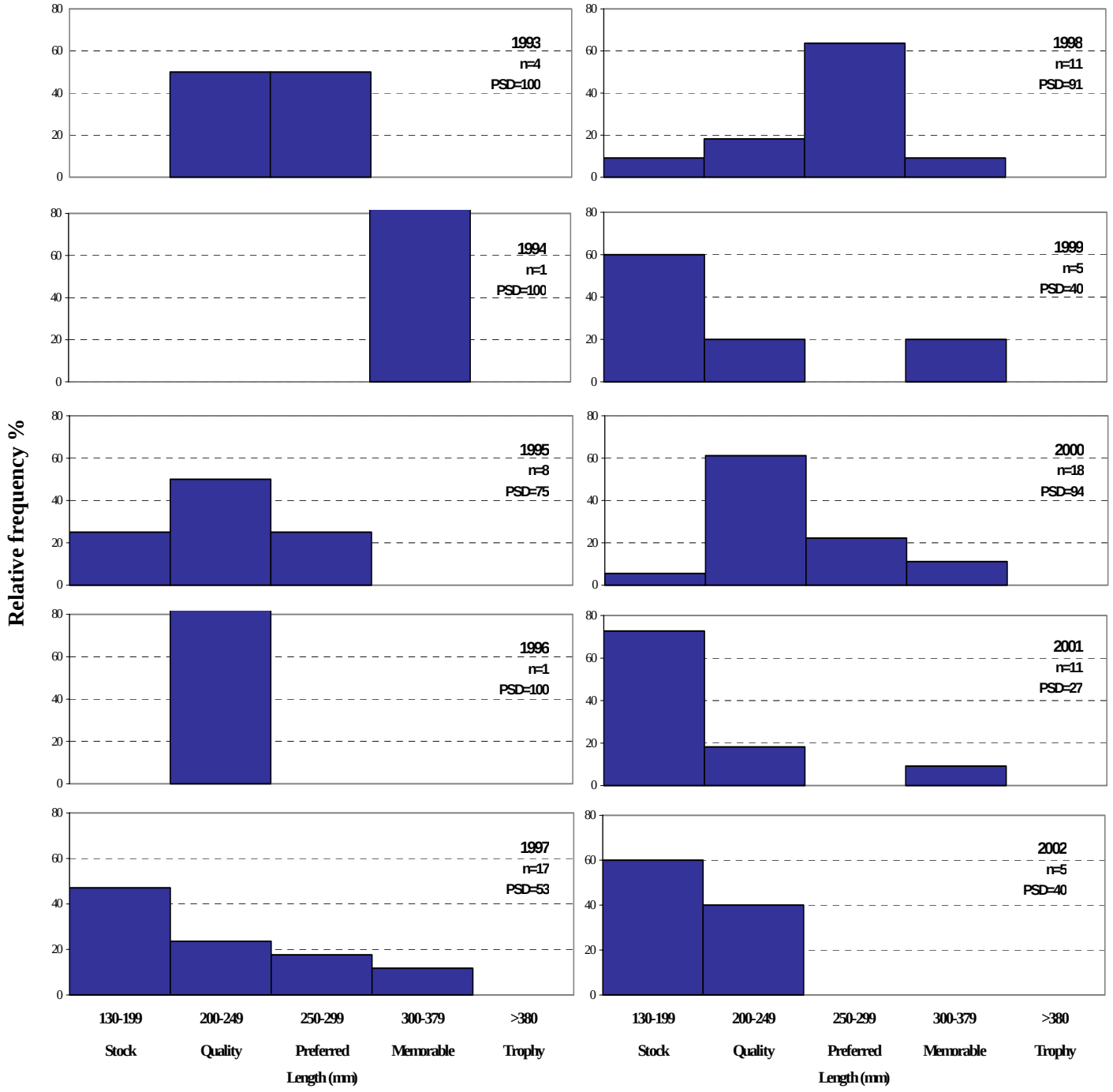
Appendix E.178. Relative frequency histograms of white crappie captured by day electrofishing in the Open Riverfor the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and “n” is sample size. Length intervals are based on Gablehouse (1984).



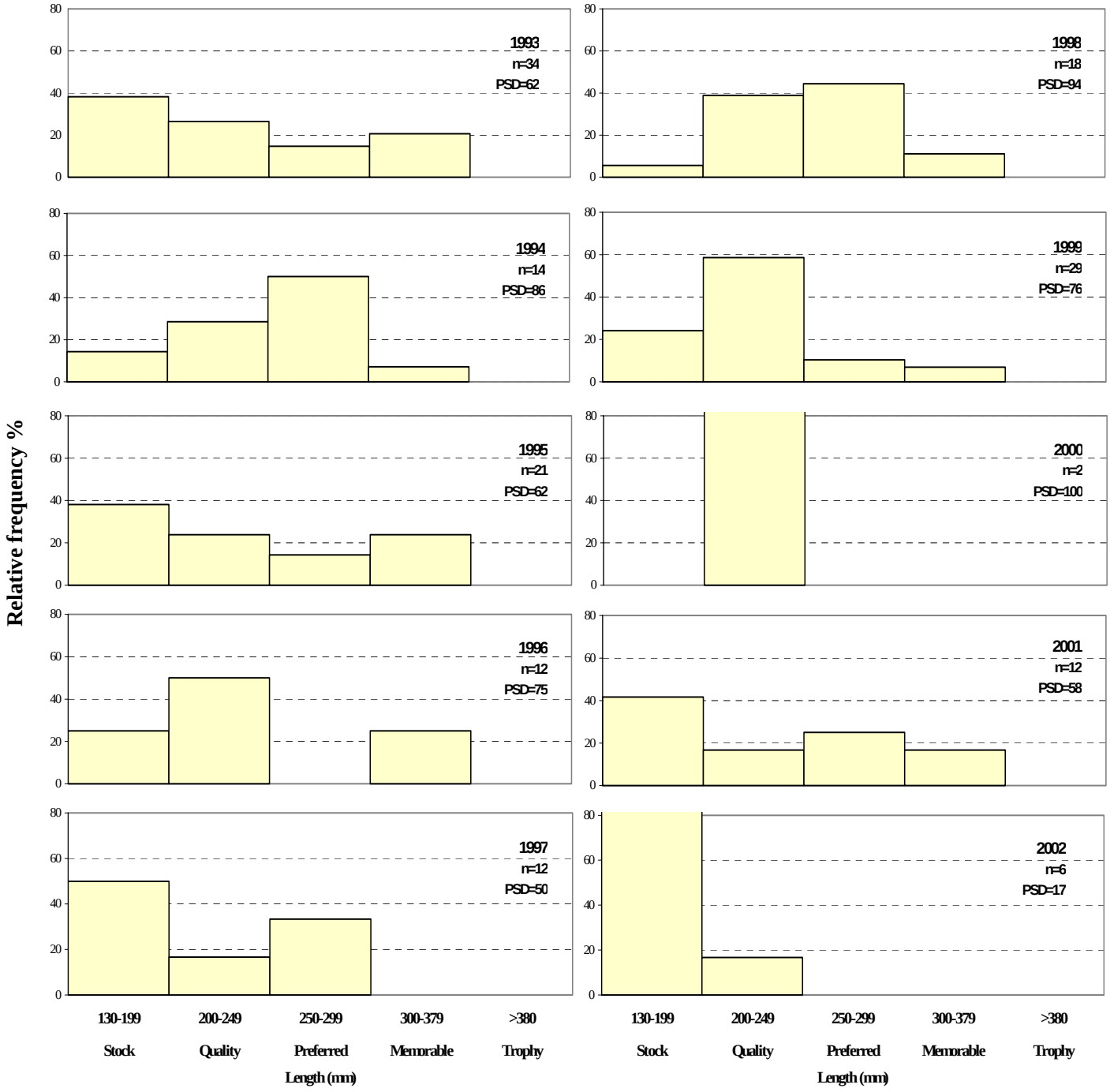
Appendix E.179. Relative frequency histograms of white crappie captured by day electrofishing in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



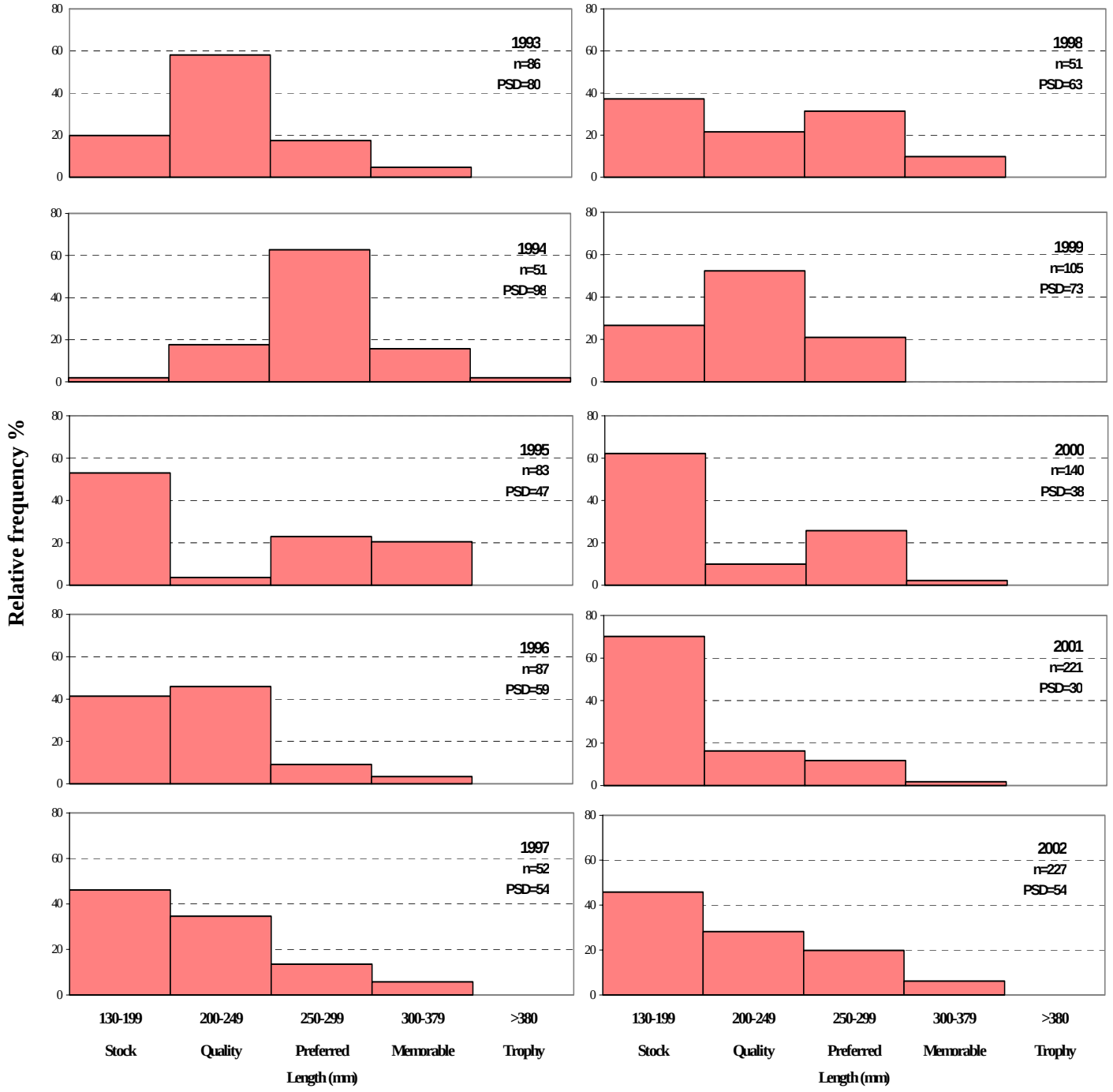
Appendix E.180. Relative frequency histograms of white crappie captured by fyke netting in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



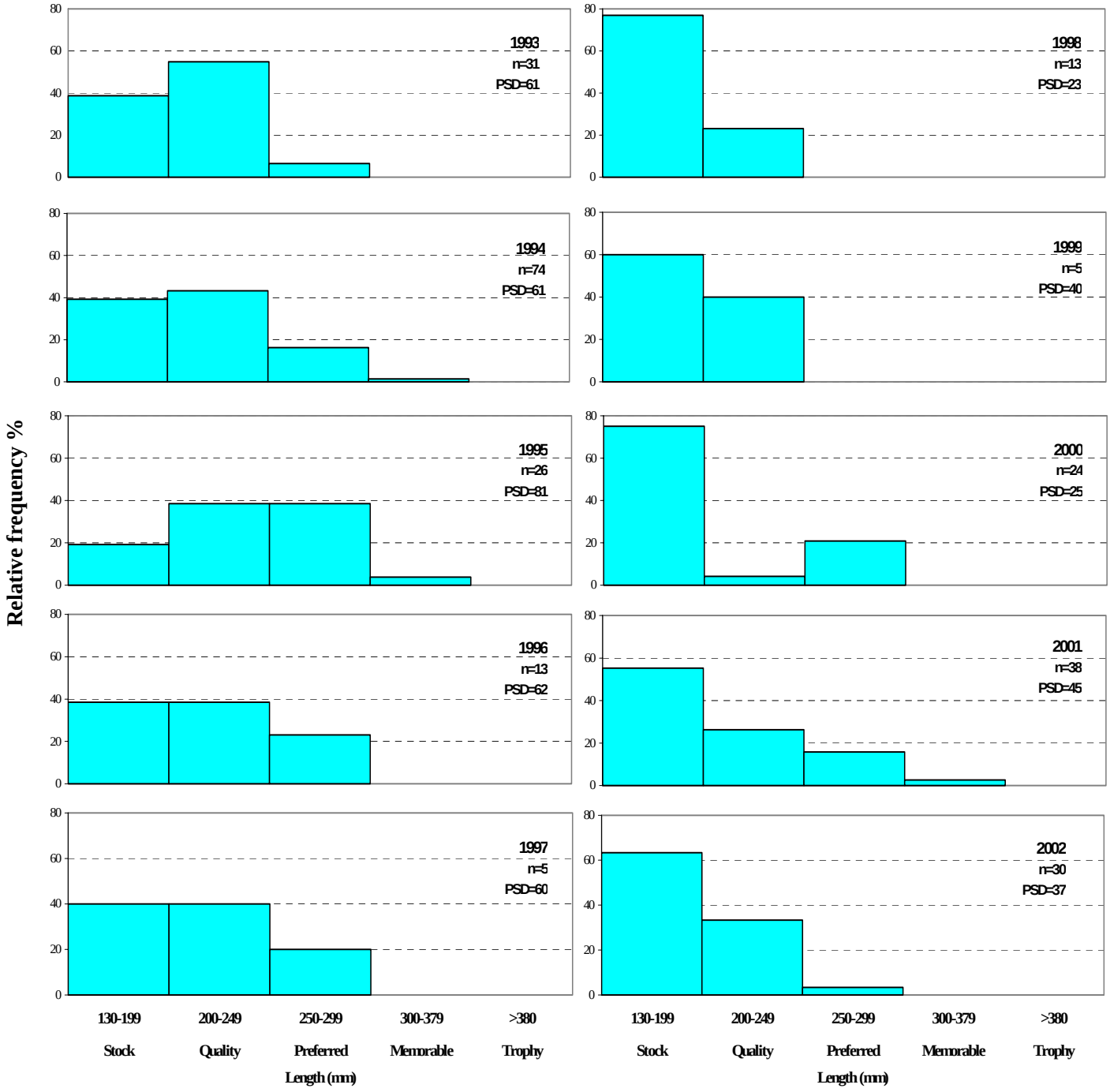
Appendix E.181. Relative frequency histograms of white crappie captured by fyke netting in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



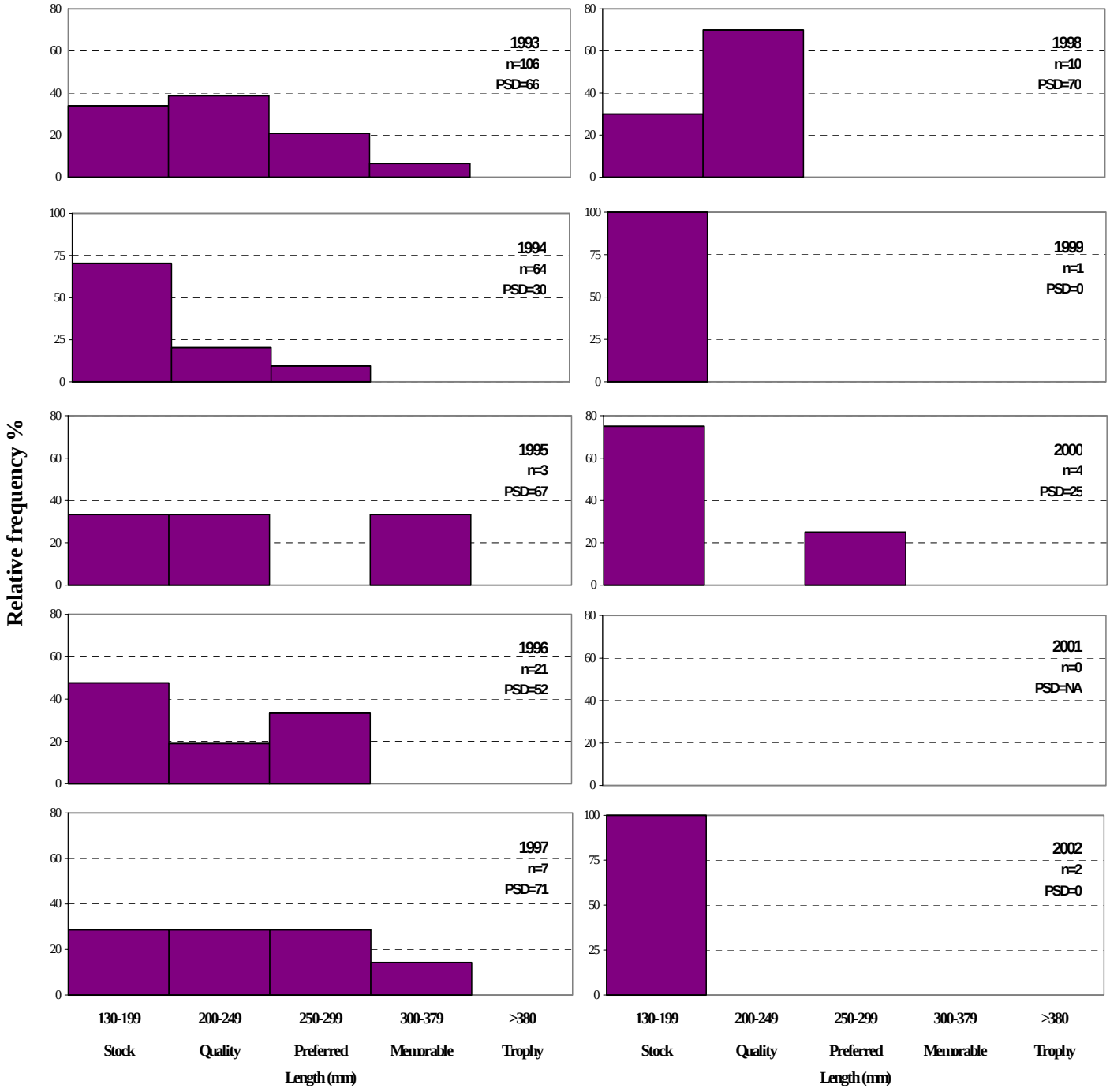
Appendix E.182. Relative frequency histograms of white crappie captured by fyke netting in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



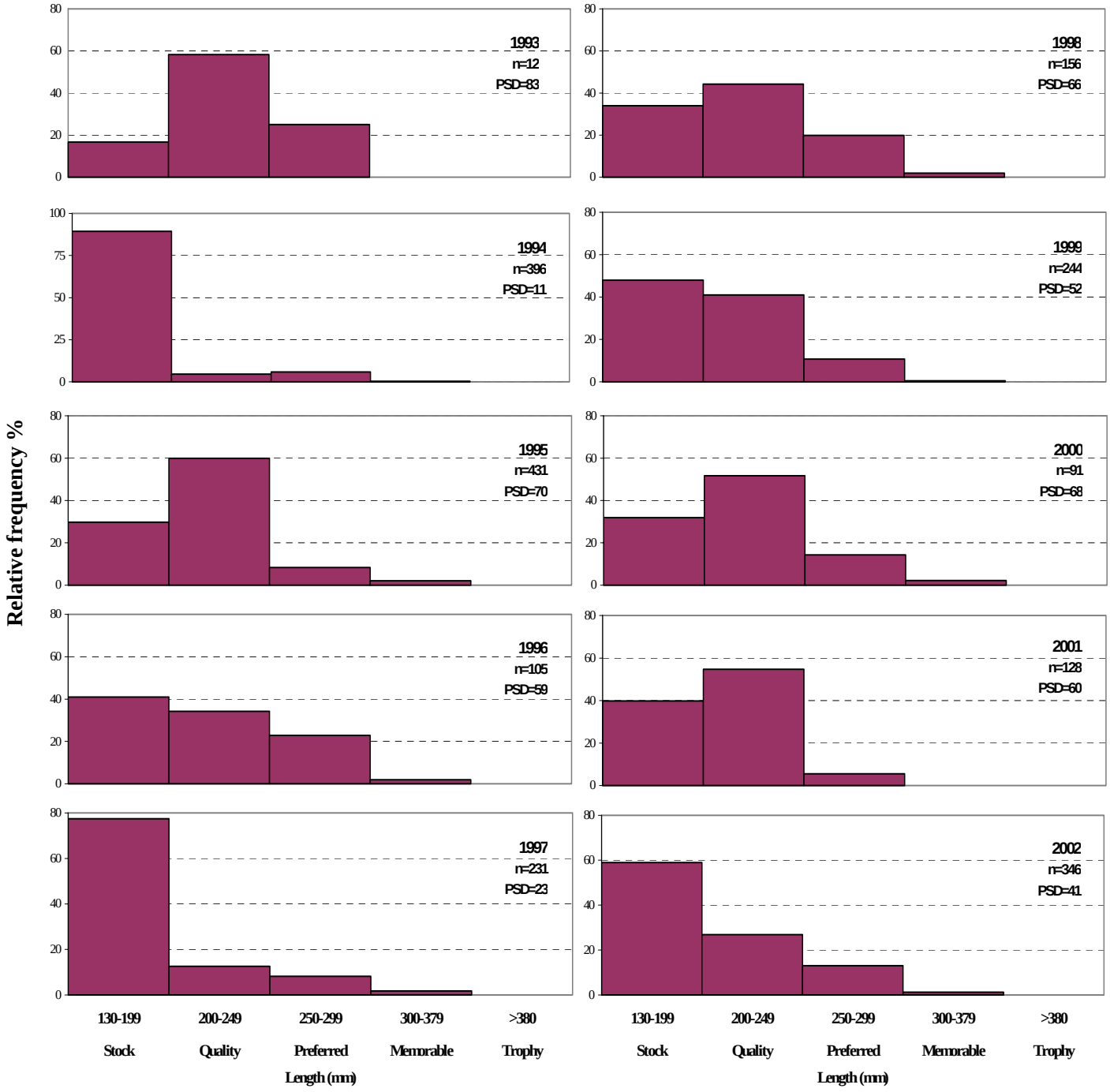
Appendix E.183. Relative frequency histograms of white crappie captured by fyke netting in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



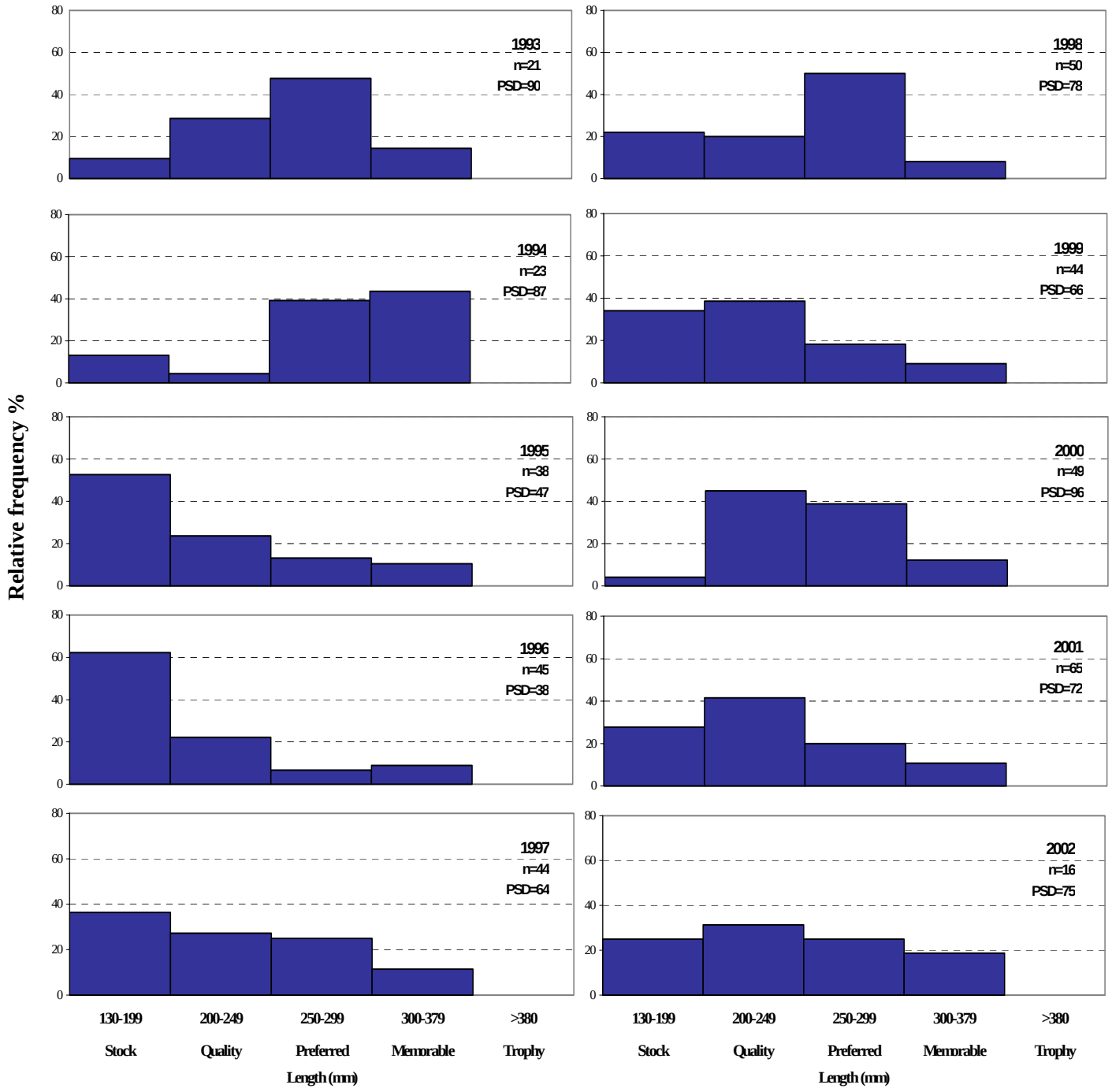
Appendix E.184. Relative frequency histograms of white crappie captured by fyke netting in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



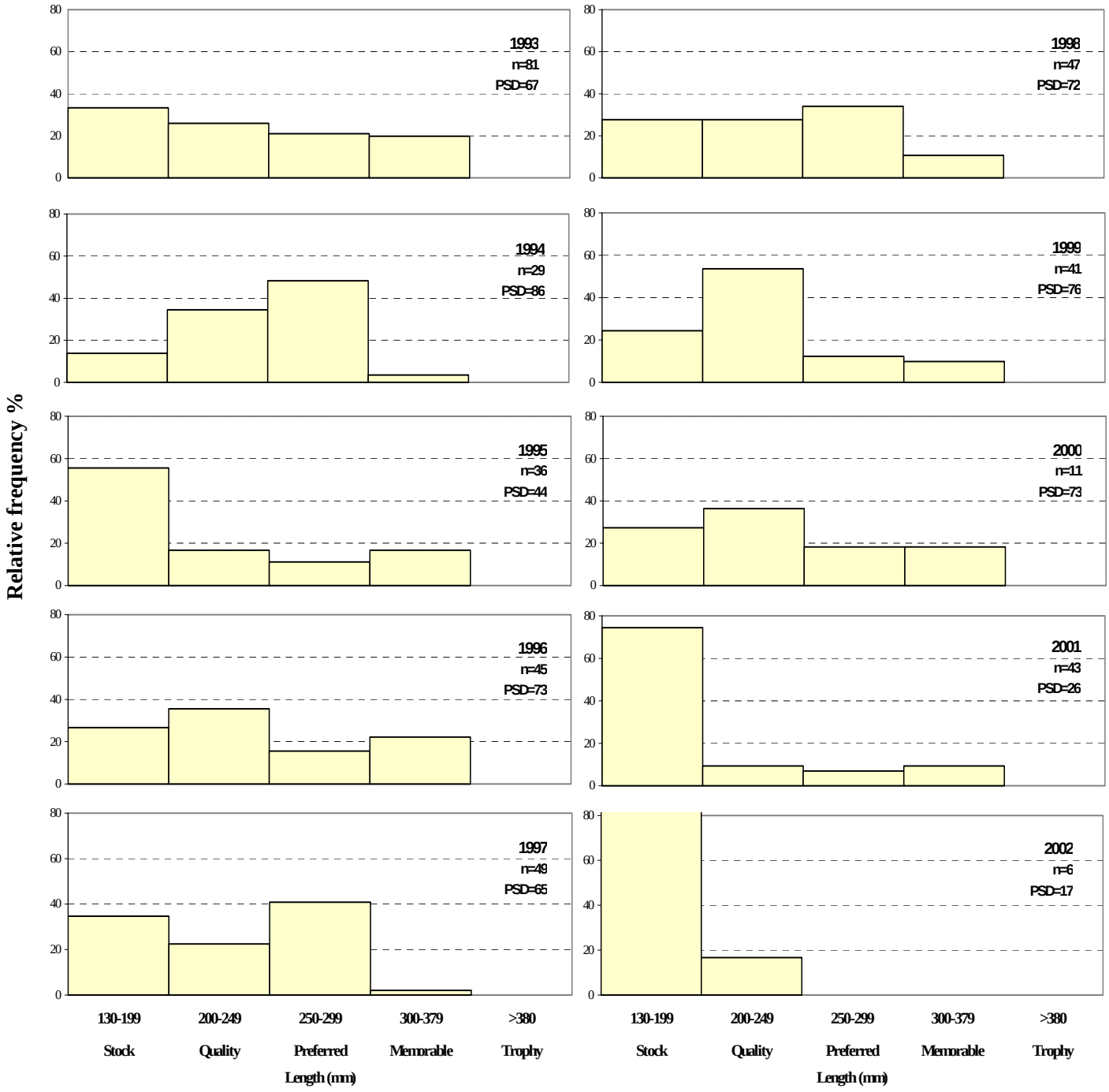
Appendix E.185. Relative frequency histograms of white crappie captured by fyke netting in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



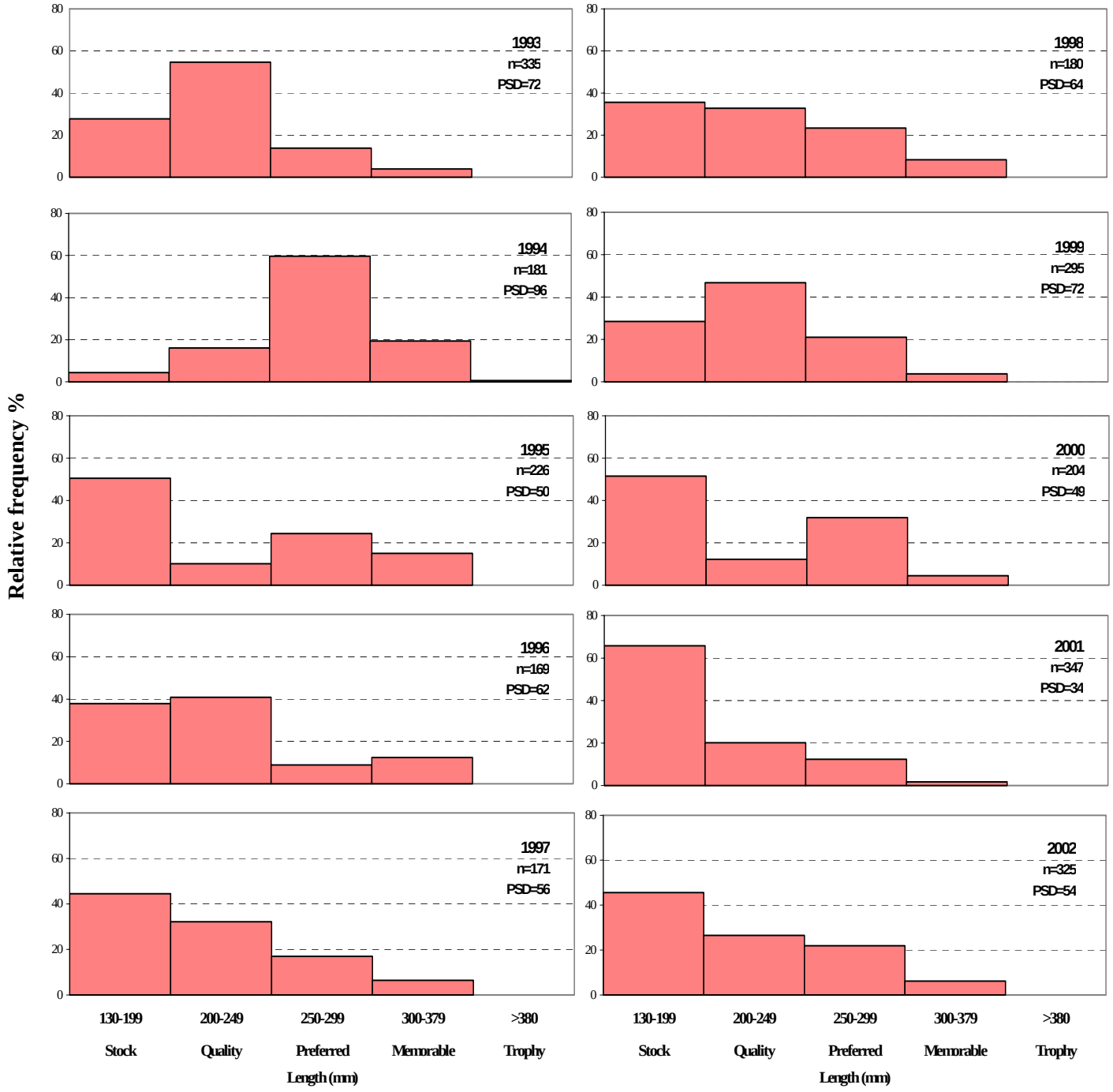
Appendix E.186. Relative frequency histograms of white crappie captured by all gears in Pool 4 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



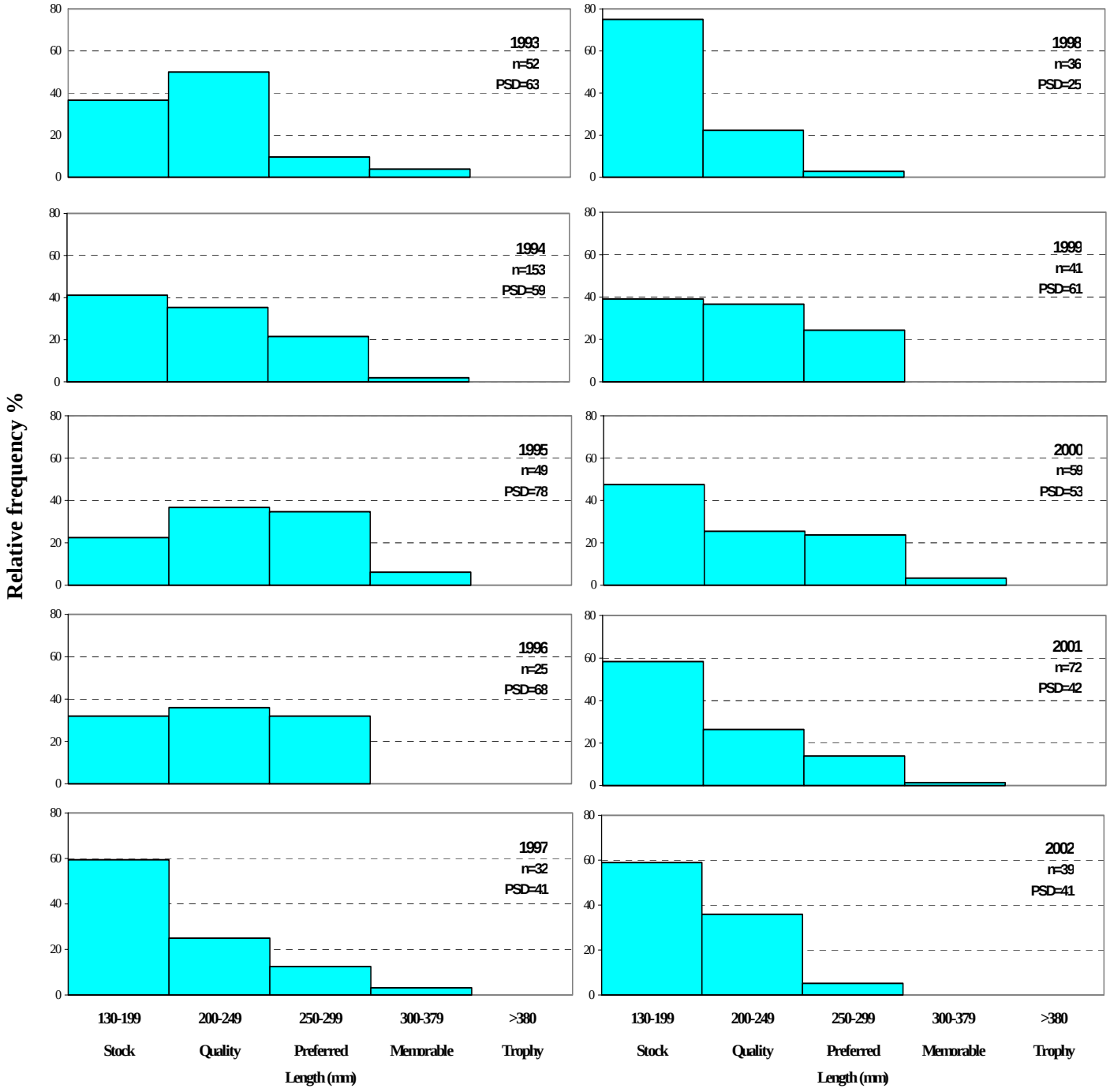
Appendix E.187. Relative frequency histograms of white crappie captured by all gears in Pool 8 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



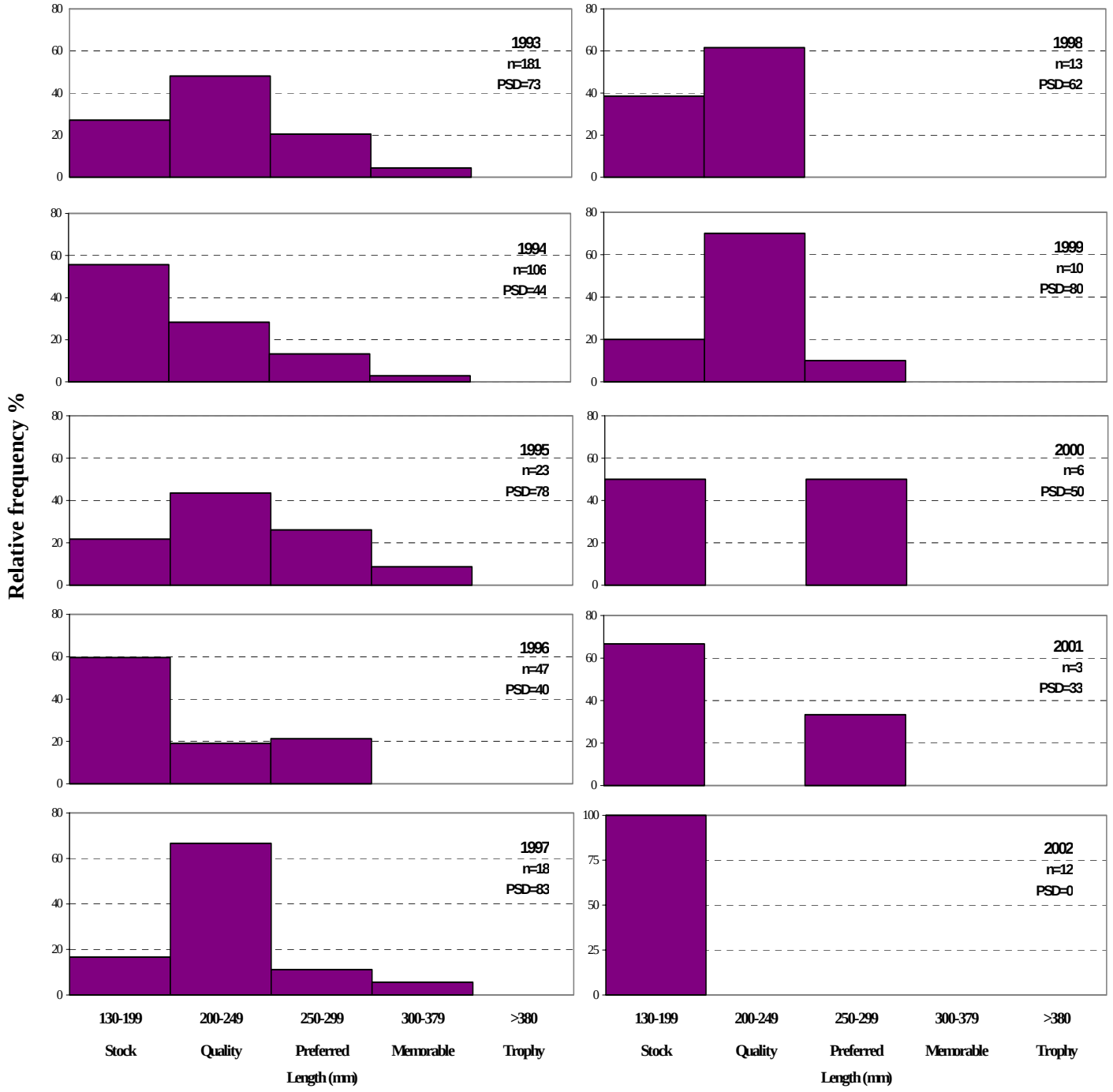
Appendix E.188. Relative frequency histograms of white crappie captured by all gears in Pool 13 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



Appendix E.189. Relative frequency histograms of white crappie captured by all gears in Pool 26 for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



Appendix E.190. Relative frequency histograms of white crappie captured by all gears in the Open River for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).



Appendix E.191. Relative frequency histograms of white crappie captured by all gears in the La Grange Pool for the Long Term Resources Monitoring Program, 1993–2002. PSD is proportional stock density and "n" is sample size. Length intervals are based on Gablehouse (1984).