Appendix Table III. Ranking of total discards **within species group** (fish and protected species ranked separately) based on 2004 observer data.

Gear Type	Access Area (Open-Closed)	Trip Category (General/ Limited)	Region	mesh groups	BLUEFISH	HERRING	SALMON	RED CRAB	SCALLOP	Mackerel	Illex	Loligo	Butterfish	MONKFISH
Longline	all	all	NE	all	14	13	*	11	19	13	15	14	16	21
Longline	all	all	MA	all										
Otter Trawl	all	all	NE	small	2	2	*	2	13	2	1	1	1	4
Otter Trawl	all	all	NE	large	4	5	*	1	11	7	4	8	7	3
Otter Trawl	all	all	MA	small	3	7	*	6	10	3	2	2	2	11
Otter Trawl	all	all	MA	large	8	9	*	11	7	8	8	3	5	10
Scallop Trawl	open	limited	MA	all	14	13	*	11	3	13	15	6	16	13
Scallop Trawl	open	general	MA	all	11	13	*	3	8	13	13	9	8	14
Shrimp Trawl	all	all	NE	all	14	3	*	11	16	13	15	14	12	19
Shrimp Trawl	all	all	MA	all	*	*	*	*	*	*	*	*	*	*
Sink, Anchor, Drift Gillnet	all	all	NE	small	14	13	*	11	19	6	15	14	16	21
Sink, Anchor, Drift Gillnet	all	all	NE	large	7	6	*	4	17	5	10	14	11	15
Sink, Anchor, Drift Gillnet	all	all	NE	xlg	5	8	*	5	15	4	15	14	13	5
Sink, Anchor, Drift Gillnet	all	all	MA	small	14	13	*	11	19	13	15	14	3	21
Sink, Anchor, Drift Gillnet	all	all	MA	large	1	13	*	11	19	13	15	14	16	21
Sink, Anchor, Drift Gillnet	all	all	MA	xlg	6	13	*	11	14	13	15	14	16	12
Scallop Dredge	open	limited	NE	all	14	13	*	7	2	13	5	5	6	1
Scallop Dredge	open	limited	MA	all	14	13	*	8	1	10	7	4	9	2
Scallop Dredge	open	general	NE	all	14	13	*	11	9	13	12	14	16	6
Scallop Dredge	open	general	MA	all	14	13	*	11	6	13	15	13	16	9
Scallop Dredge	closed	limited	NE	all	10	12	*	9	4	12	14	7	14	7
Scallop Dredge	closed	limited	MA	all	13	11	*	10	5	9	11	11	15	8
Scallop Dredge	closed	general	NE	all										
Scallop Dredge	closed	general	MA	all	14	13	*	11	12	13	15	14	16	16
Mid-water paired & single Trawl	all	all	NE	all	9	1	*	11	18	1	6	10	4	17
Mid-water paired & single Trawl	all	all	MA	all	12	10	*	11	19	11	3	12	10	18
Fish Pots/ Traps	all	all	NE	all										
Fish Pots/ Traps	all	all	MA	all	14	13	*	11	19	13	15	14	16	20
Purse Seine	all	all	NE	all	14	4	*	11	19	13	9	14	16	21
Purse Seine	all	all	MA	all										
Hand Line	all	all	NE	all	14	13	*	11	19	13	15	14	16	21
Hand Line	all	all	MA	all										
Scottish Seine	all	all	NE	all	14	13	*	11	19	13	15	14	16	21
Clam Quahog Dredge	all	all	NE	all										
Clam Quahog Dredge	all	all	MA	all										
Crab Pots	all	all	NE	all										
Crab Pots	all	all	MA	all										
Lobster Pots	all	all	NE	all										
Lobster Pots	all	all	MA	all										

Gray-shaded cells indicate unlikely combinations of species/gear; * indicate no discards of these species.

Appendix Table III *continued*.

Gear Type	Access Area (Open-Closed)	Trip Category (General/ Limited)	Region	mesh groups	Cod	Had-dock	Yellowtail fld	American plaice	Witch fld	Winter fld	Pollock	Redfish	White hake	Window-pane	Halibut	Ocean pout
Longline	all	all	NE	all	3	3	15	15	17	17	8	10	17	18	6	5
Longline	all	all	MA	all												
Otter Trawl	all	all	NE	small	5	1	3	2	2	1	4	2	1	10	3	2
Otter Trawl	all	all	NE	large	1	2	1	1	1	2	1	1	2	1	1	1
Otter Trawl	all	all	MA	small	14	11	12	10	6	4	10	5	7	4	6	6
Otter Trawl	all	all	MA	large	10	11	9	15	4	5	7	9	13	3	6	3
Scallop Trawl	open	limited	MA	all	14	11	15	15	17	17	10	10	17	2	6	14
Scallop Trawl	open	general	MA	all	14	11	14	15	14	13	10	10	12	11	6	14
Shrimp Trawl	all	all	NE	all	7	8	7	3	10	7	5	6	6	14	6	10
Shrimp Trawl	all	all	MA	all	*	*	*	*	*	*	*	*	*	*	*	*
Sink, Anchor, Drift Gillnet	all	all	NE	small	14	11	15	15	17	17	10	10	17	18	6	14
Sink, Anchor, Drift Gillnet	all	all	NE	large	2	5	4	5	12	10	2	4	4	16	4	8
Sink, Anchor, Drift Gillnet	all	all	NE	xlg	4	6	8	8	16	12	3	8	5	17	2	7
Sink, Anchor, Drift Gillnet	all	all	MA	small	14	11	15	15	17	17	10	10	17	18	6	14
Sink, Anchor, Drift Gillnet	all	all	MA	large	14	11	15	15	17	17	10	10	17	6	6	14
Sink, Anchor, Drift Gillnet	all	all	MA	xlg	14	11	15	15	17	17	10	10	17	18	6	14
Scallop Dredge	open	limited	NE	all	8	9	5	13	3	3	9	10	9	9	6	4
Scallop Dredge	open	limited	MA	all	14	11	11	12	5	11	10	10	3	5	6	9
Scallop Dredge	open	general	NE	all	13	11	6	7	9	8	10	10	17	12	6	11
Scallop Dredge	open	general	MA	all	14	11	13	11	11	9	10	10	10	8	6	14
Scallop Dredge	closed	limited	NE	all	9	7	2	4	7	6	10	10	11	7	5	12
Scallop Dredge	closed	limited	MA	all	14	11	10	14	8	14	10	10	14	15	6	13
Scallop Dredge	closed	general	NE	all												
Scallop Dredge	closed	general	MA	all	14	11	15	15	17	17	10	10	17	18	6	14
Mid-water paired & single Trawl	all	all	NE	all	11	4	15	6	13	16	6	3	8	18	6	14
Mid-water paired & single Trawl	all	all	MA	all	14	11	15	15	15	17	10	10	15	18	6	14
Fish Pots/ Traps	all	all	NE	all												
Fish Pots/ Traps	all	all	MA	all	14	11	15	15	17	17	10	10	17	18	6	14
Purse Seine	all	all	NE	all	14	11	15	15	17	17	10	7	17	18	6	14
Purse Seine	all	all	MA	all												
Hand Line	all	all	NE	all	6	11	15	15	17	17	10	10	17	18	6	14
Hand Line	all	all	MA	all												
Scottish Seine	all	all	NE	all	12	10	15	9	17	15	10	10	16	13	6	14
Clam Quahog Dredge	all	all	NE	all												
Clam Quahog Dredge	all	all	MA	all												
Crab Pots	all	all	NE	all												
Crab Pots	all	all	MA	all												
Lobster Pots	all	all	NE	all												
Lobster Pots	all	all	MA	all												

Gray-shaded cells indicate unlikely combinations of species/gear; * indicate no discards of these species.

Appendix Table III *continued*.

Gear Type	Access Area (Open-Closed)	Trip Category (General/ Limited)	Region	mesh groups	Silver hake	Offshore hake	Red hake	SKATE	DOGFISH	Fluke	Scup	Black sea bass	SURF CLAM/- OCEAN QUAHOG	TILEFISH
Longline	all	all	NE	all	18	7	13	17	10	20	14	16	11	5
Longline	all	all	MA	all										
Otter Trawl	all	all	NE	small	1	1	1	3	4	1	2	4	8	1
Otter Trawl	all	all	NE	large	3	3	3	1	3	2	4	7	6	2
Otter Trawl	all	all	MA	small	2	4	2	6	7	6	1	2	5	4
Otter Trawl	all	all	MA	large	8	7	8	5	5	3	3	3	3	5
Scallop Trawl	open	limited	MA	all	18	7	19	8	23	11	14	10	11	5
Scallop Trawl	open	general	MA	all	11	7	16	10	13	16	5	14	11	5
Shrimp Trawl	all	all	NE	all	4	7	10	18	22	20	14	16	11	5
Shrimp Trawl	all	all	MA	all	*	*	*	*	*	*	*	*	*	*
Sink, Anchor, Drift Gillnet	all	all	NE	small	18	7	19	22	20	20	14	16	11	5
Sink, Anchor, Drift Gillnet	all	all	NE	large	9	7	11	15	2	17	14	13	11	5
Sink, Anchor, Drift Gillnet	all	all	NE	xlg	13	7	9	11	8	9	13	16	11	3
Sink, Anchor, Drift Gillnet	all	all	MA	small	18	7	19	22	6	13	14	16	11	5
Sink, Anchor, Drift Gillnet	all	all	MA	large	18	7	19	16	1	20	14	16	11	5
Sink, Anchor, Drift Gillnet	all	all	MA	xlg	18	7	19	14	12	15	14	16	11	5
Scallop Dredge	open	limited	NE	all	7	2	4	2	16	4	7	5	1	5
Scallop Dredge	open	limited	MA	all	6	5	6	4	14	5	8	6	2	5
Scallop Dredge	open	general	NE	all	17	7	7	13	19	14	14	16	7	5
Scallop Dredge	open	general	MA	all	12	7	15	7	21	10	14	16	4	5
Scallop Dredge	closed	limited	NE	all	10	6	5	9	17	7	12	12	9	5
Scallop Dredge	closed	limited	MA	all	15	7	18	12	18	8	11	8	10	5
Scallop Dredge	closed	general	NE	all										
Scallop Dredge	closed	general	MA	all	18	7	19	19	23	18	14	16	11	5
Mid-water paired & single Trawl	all	all	NE	all	5	7	14	20	9	20	10	15	11	5
Mid-water paired & single Trawl	all	all	MA	all	16	7	17	22	15	19	14	11	11	5
Fish Pots/ Traps	all	all	NE	all										
Fish Pots/ Traps	all	all	MA	all	18	7	19	22	23	20	6	1	11	5
Purse Seine	all	all	NE	all	18	7	19	22	11	20	14	16	11	5
Purse Seine	all	all	MA	all										
Hand Line	all	all	NE	all	18	7	19	22	23	20	14	16	11	5
Hand Line	all	all	MA	all										
Scottish Seine	all	all	NE	all	14	7	12	21	23	12	9	9	11	5
Clam Quahog Dredge	all	all	NE	all										
Clam Quahog Dredge	all	all	MA	all										
Crab Pots	all	all	NE	all										
Crab Pots	all	all	MA	all										
Lobster Pots	all	all	NE	all										
Lobster Pots	all	all	MA	all										

Gray-shaded cells indicate unlikely combinations of species/gear; * indicate no discards of these species.

Appendix Table III *continued*.

Gear Type	Access Area (Open-Closed)	Trip Category (General/ Limited)	Region	mesh groups	TURTLE, GREEN	TURTLE, LEATHERBACK	TURTLE, LOGGERHEAD	TURTLE, KEMP'S RIDLEY	TURTLE, NK	SEAL, HARP	SEAL, HOODED	SEAL, HARBOR	SEAL, GRAY	SEAL, NK
Longline	all	all	NE	all	2	3	8	*	2	3	2	4	4	*
Longline	all	all	MA	all	*	*	*	*	*	*	*	*	*	*
Otter Trawl	all	all	NE	small	2	3	8	*	2	3	2	4	4	*
Otter Trawl	all	all	NE	large	2	3	8	*	2	3	2	4	4	*
Otter Trawl	all	all	MA	small	2	3	4	*	2	3	2	4	4	*
Otter Trawl	all	all	MA	large	2	3	8	*	2	3	2	4	4	*
Scallop Trawl	open	limited	MA	all	2	3	1	*	2	3	2	4	4	*
Scallop Trawl	open	general	MA	all	*	*	*	*	*	*	*	*	*	*
Shrimp Trawl	all	all	NE	all	*	*	*	*	*	*	*	*	*	*
Shrimp Trawl	all	all	MA	all	*	*	*	*	*	*	*	*	*	*
Sink, Anchor, Drift Gillnet	all	all	NE	small	*	*	*	*	*	*	*	*	*	*
Sink, Anchor, Drift Gillnet	all	all	NE	large	2	3	8	*	2	1	2	2	2	*
Sink, Anchor, Drift Gillnet	all	all	NE	xlg	2	3	8	*	2	2	1	1	1	*
Sink, Anchor, Drift Gillnet	all	all	MA	small	2	2	8	*	1	3	2	4	4	*
Sink, Anchor, Drift Gillnet	all	all	MA	large	1	3	6	*	2	3	2	4	4	*
Sink, Anchor, Drift Gillnet	all	all	MA	xlg	2	1	5	*	2	3	2	3	3	*
Scallop Dredge	open	limited	NE	all	2	3	2	*	2	3	2	4	4	*
Scallop Dredge	open	limited	MA	all	2	3	3	*	2	3	2	4	4	*
Scallop Dredge	open	general	NE	all	*	*	*	*	*	*	*	*	*	*
Scallop Dredge	open	general	MA	all	*	*	*	*	*	*	*	*	*	*
Scallop Dredge	closed	limited	NE	all	2	3	7	*	2	3	2	4	4	*
Scallop Dredge	closed	limited	MA	all	*	*	*	*	*	*	*	*	*	*
Scallop Dredge	closed	general	NE	all										
Scallop Dredge	closed	general	MA	all	*	*	*	*	*	*	*	*	*	*
Mid-water paired & single Trawl	all	all	NE	all	2	3	8	*	2	3	2	4	4	*
Mid-water paired & single Trawl	all	all	MA	all	*	*	*	*	*	*	*	*	*	*
Fish Pots/ Traps	all	all	NE	all										
Fish Pots/ Traps	all	all	MA	all	*	*	*	*	*	*	*	*	*	*
Purse Seine	all	all	NE	all	*	*	*	*	*	*	*	*	*	*
Purse Seine	all	all	MA	all	*	*	*	*	*	*	*	*	*	*
Hand Line	all	all	NE	all	*	*	*	*	*	*	*	*	*	*
Hand Line	all	all	MA	all	*	*	*	*	*	*	*	*	*	*
Scottish Seine	all	all	NE	all	*	*	*	*	*	*	*	*	*	*
Clam Quahog Dredge	all	all	NE	all	*	*	*	*	*	*	*	*	*	*
Clam Quahog Dredge	all	all	MA	all										
Crab Pots	all	all	NE	all										
Crab Pots	all	all	MA	all										
Lobster Pots	all	all	NE	all	*	*	*	*	*	*	*	*	*	*
Lobster Pots	all	all	MA	all										

Gray-shaded cells indicate unlikely combinations of species/gear; * indicate no discards of these species.

Appendix Table III *continued*.

Gear Type	Access Area (Open-Closed)	Trip Category (General/ Limited)	Region	mesh groups	WHALE, PILOT, LONG-FIN	WHALE, MINKE	WHALE, NK	DOLPHIN WHITE-SIDED	DOLPHIN-COMMON	DOLPHIN-BOTTLE-NOSE	PORPOISE, HARBOR	PORPOISE/DOLP HIN, NK	SEA BIRDS (ALL)	PILOT coverage
Longline	all	all	NE	all	4	*	*	5	3	2	4	*	12	
Longline	all	all	MA	all	*	*	*	*	*	*	*	*	*	pilot
Otter Trawl	all	all	NE	small	1	*	*	3	1	2	4	*	6	
Otter Trawl	all	all	NE	large	2	*	*	1	3	2	4	*	5	
Otter Trawl	all	all	MA	small	4	*	*	5	2	2	4	*	11	
Otter Trawl	all	all	MA	large	4	*	*	5	3	2	4	*	3	
Scallop Trawl	open	limited	MA	all	4	*	*	5	3	2	4	*	14	pilot
Scallop Trawl	open	general	MA	all	*	*	*	*	*	*	*	*	*	pilot
Shrimp Trawl	all	all	NE	all	*	*	*	*	*	*	*	*	*	
Shrimp Trawl	all	all	MA	all	*	*	*	*	*	*	*	*	*	pilot
Sink, Anchor, Drift Gillnet	all	all	NE	small	*	*	*	*	*	*	*	*	*	pilot
Sink, Anchor, Drift Gillnet	all	all	NE	large	4	*	*	4	3	2	2	*	1	
Sink, Anchor, Drift Gillnet	all	all	NE	xlg	4	*	*	5	3	1	1	*	9	
Sink, Anchor, Drift Gillnet	all	all	MA	small	4	*	*	5	3	2	4	*	8	pilot for fish
Sink, Anchor, Drift Gillnet	all	all	MA	large	4	*	*	5	3	2	4	*	7	pilot for fish
Sink, Anchor, Drift Gillnet	all	all	MA	xlg	4	*	*	5	3	2	3	*	10	pilot for fish
Scallop Dredge	open	limited	NE	all	4	*	*	5	3	2	4	*	4	
Scallop Dredge	open	limited	MA	all	4	*	*	5	3	2	4	*	14	
Scallop Dredge	open	general	NE	all	*	*	*	*	*	*	*	*	*	pilot
Scallop Dredge	open	general	MA	all	*	*	*	*	*	*	*	*	*	
Scallop Dredge	closed	limited	NE	all	4	*	*	5	3	2	4	*	13	
Scallop Dredge	closed	limited	MA	all	*	*	*	*	*	*	*	*	*	
Scallop Dredge	closed	general	NE	all										pilot
Scallop Dredge	closed	general	MA	all	*	*	*	*	*	*	*	*	*	pilot
Mid-water paired & single Trawl	all	all	NE	all	3	*	*	2	3	2	4	*	2	
Mid-water paired & single Trawl	all	all	MA	all	*	*	*	*	*	*	*	*	*	
Fish Pots/ Traps	all	all	NE	all										pilot
Fish Pots/ Traps	all	all	MA	all	*	*	*	*	*	*	*	*	*	pilot
Purse Seine	all	all	NE	all	*	*	*	*	*	*	*	*	*	
Purse Seine	all	all	MA	all	*	*	*	*	*	*	*	*	*	pilot
Hand Line	all	all	NE	all	*	*	*	*	*	*	*	*	*	pilot
Hand Line	all	all	MA	all	*	*	*	*	*	*	*	*	*	pilot
Scottish Seine	all	all	NE	all	*	*	*	*	*	*	*	*	*	pilot
Clam Quahog Dredge	all	all	NE	all	*	*	*	*	*	*	*	*	*	pilot
Clam Quahog Dredge	all	all	MA	all										pilot
Crab Pots	all	all	NE	all										pilot
Crab Pots	all	all	MA	all										pilot
Lobster Pots	all	all	NE	all	*	*	*	*	*	*	*	*	*	pilot
Lobster Pots	all	all	MA	all										pilot

Gray-shaded cells indicate unlikely combinations of species/gear; * indicate no discards of these species.