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**SURVEY AND EVALUATION
OF FISHING GEAR LOSS
IN MARINE AND GREAT LAKES FISHERIES
OF THE UNITED STATES**

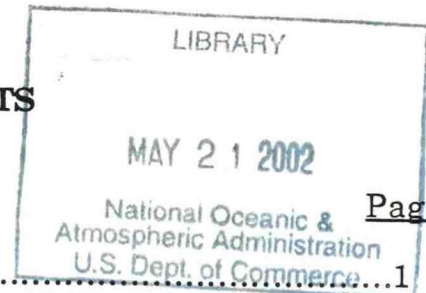
**FINAL REPORT PREPARED FOR:
THE NATIONAL MARINE FISHERIES SERVICE
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Natural Resources Consultants, Inc.

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ABSTRACT

Lost fishing gear interaction factors were calculated for commercial marine and Great Lakes fisheries in the United States and its trust territories. Interaction factors were based upon information obtained from international, federal, state, and private sector individuals and organizations, personal interviews, and a review of the scientific literature. Such information included the amount of fishing gear available for deployment in U.S. commercial marine and Great Lakes fisheries, fishing seasons, fishing patterns, gear loss rates, and the duration of interaction of a unit of lost gear. Tied to each fishery/gear type and its interaction factor were assessments of the type of interaction of that gear with marine mammals, birds, reptiles, target species, and bycatch species, as well as economic, aesthetic, and safety impacts of gear loss in the fishery of interest.

A total of 626 fishery/gear combinations were identified in six regions of the U.S. and its territories. Sufficient fisheries and gear loss information was available to calculate interaction factors for 78 percent of these fisheries. In-shore lobster pot fisheries in the North Atlantic exhibited the highest pot fishery interaction factors. Highest gillnet interaction factors were associated with the South Atlantic gillnet, North Atlantic gillnet, and West Coast/Alaska California halibut gillnet fisheries. The West Coast/Alaska region contained the highest line (halibut longline and groundfish longline) fishery interaction factors, whereas Gulf of Mexico and South Atlantic shrimp trawl fisheries generated the highest trawl fishery interaction values. Interaction factors, as well as mammal, bird, and other interaction indices are tabulated on a regional basis in the report text and on a state-by-state basis in attached appendices. The report closes with management, research, and funding recommendations intended to better delineate lost gear effects and reduce gear loss rates within U.S. commercial marine and Great Lakes fisheries.

INTRODUCTION

The United States commercial fishing, processing, and wholesale industries make important contributions to local, regional, U.S., and world economies. Nearly 20 percent of the world's fishery resources lie within the U.S. 200-mile Exclusive Economic Zone (EEZ). The United States ranked fifth in the world in commercial fish landings in the most recent year for which data are available (1987). In 1988, total U.S. commercial fishery landings totalled 5 million metric tons (11 billion pounds) with an ex-vessel value of nearly \$4 billion. Value-added wholesale value of all U.S. fishery products was \$16.3 billion, and consumer expenditures totalled nearly \$29.7 billion, or about six-tenths of one percent of the total 1988 U.S. GNP of \$4,881 billion. Commercial fishing industries contribute additional value to the GNP through purchase of vessels, equipment, and services. Exports of domestic fishery products in 1988 contributed \$2.2 billion toward reducing the foreign trade deficit. In 1988, approximately 256,000 persons were employed on board 93,400 U.S. commercial fishing vessels, with another 103,000 employees working in nearly 4,200 processing facilities nationwide.

The U.S. commercial fisheries harvest a variety of species using a myriad of different gears and methods. Lobstermen work the fishing grounds off Maine with pots; purse seiners harvest menhaden from the Atlantic and Gulf of Mexico; shrimp trawlers capture the bulk of the U.S. shrimp harvest in the Gulf of Mexico; gillnetters, trollers, and purse seiners catch salmon off the West Coast and Alaska; and groundfish trawlers harvest pollock, flatfish, and Pacific cod off Alaska. From individual fishermen in small vessels using traditional fishing methods to large factory trawlers operating with the latest technology and crews of more than 100, all contribute to local, regional, and national economies.

However, these economic contributions are not without costs. Lost fishing gear results in both direct and indirect loss to fishermen and can result in the injury or death of non-target species. Lost gear represents a loss of capital investment and must be replaced. Lost gear can continue to "ghost" fish and compete with fishermen for valuable fishery resources, entangle and disable fishing vessels, and cause loss of life. Non-target species, including threatened or endangered species, may be affected by lost gear and result in management decisions to limit or even halt a fishery.

U. S. citizens are prohibited from discarding plastic materials into U.S. marine waters by The Marine Plastic Pollution Research and Control Act of 1987 (Public Law 100-220) which implements Annex V of the International Convention for the Prevention of Pollution from Ships (MARPOL 73/78). However, MARPOL Annex V does not prevent the accidental loss of fishing gear through legitimate fishing activities, and, indeed, fishing gear loss can be expected to be a continuing part of commercial fishing. Since 1985,

the National Oceanic and Atmospheric Administration (NOAA) has conducted the Marine Entanglement Research Program (MERP) to evaluate and manage the impacts of persistent wastes, including fishing gear, in the ocean and coastal environments of the United States.

While the loss of fishing gear cannot be totally eliminated, identification of the most critical problems with fishing gear loss and development of appropriate and practical solutions can reduce the effects of lost gear. The start of any analysis of commercial fishing gear loss must begin with a comprehensive summary of gear loss information by fishery and gear. This report summarizes a survey and evaluation of fishing gear loss in marine and Great Lakes fisheries of the United States. The report includes a comprehensive list of marine and Great Lakes fisheries and their associated local, state, or federal management agencies. While every effort has been made to include all possible fishery/gear combinations, some small scale commercial fishery/gear may not have been reported by state and/or federal fishery management agencies. Information is presented on the relative quantity of gear loss (comparable between similar gear categories) and relative effects of lost gear on marine mammals, birds, reptiles, fishery target species, other by-catch species, economic loss of fishery resources, aesthetics, and safety. Information was obtained from interviews with recognized experts and a thorough search of available literature. A mechanism for assessing the relative importance of fishing gear losses by gear, fishery, and impact is presented. This evaluation mechanism is used to rank gear loss among identified fisheries to assist fisheries managers in concentrating their skills and resources to solve the most critical U.S. gear loss problems. Finally, this report offers suggestions on data collection necessary to fully evaluate high impact gear loss situations and recommendations to further address lost commercial fishing gear in the United States.

METHODOLOGY

Six distinct steps were required to develop a methodology to evaluate the magnitude and effect of commercial fishing gear loss in the United States (Figure 1): (1) determine fishery/gear categories, (2) quantify fishing gear effort, (3) quantify gear units lost annually and effective "ghost fishing" time, (4) determine lost gear effects, (5) group fishery/gear categories by region, and (6) group fishery/gear categories by effects category. The resulting tables present information on the magnitude and economic importance of each fishery/gear category, an estimate of the annual gear lost and its effective effort, and indices of the presence or absence of an effect within each of eight effect categories. Information is supplied by state or area (Appendix I), by region, and by effect category within regions. Appendix II lists contacts made to collect information from agencies, associations, and individuals. Appendix III lists an annotated bibliography of lost gear references from a computer-aided literature search. Appendix IV lists general references used in the preparation of the report. Citations footnoted throughout the text are listed in end notes.

1. Establish Fishery/Gear Categories by Region

Federal, regional, state and local management entities were surveyed to determine the fishery/gear combinations operating in their respective states or regions. Information from 1987 was found to be the most recent complete data available for nearly all of the states, except for the Great Lakes states and the Caribbean where data from 1988 were used. In most cases information was obtained by target species and gear type. Some species were grouped into similar species categories, such as several species of salmon grouped as "Salmon." Occasionally similar individual gear categories were also grouped, such as shovels, picks, and rakes grouped as "Hand Picking Devices." These groupings were determined after consulting with regional experts in state or federal fishery management agencies. In some instances individual species/gear information was not available and only gear categories were obtained. In almost all instances total annual landings in pounds and ex-vessel dollar value were also obtained by species and gear category as a relative measure of the magnitude and importance of the fishery. Data for individual species were then grouped by gear category and summaries of volume and value calculated. Every effort was made to obtain a comprehensive list of fishery/gear categories for each state and region. However, the report depends on information supplied by state and federal agencies, fishing associations and knowledgeable experts in each region, and some small-scale local fisheries may not be included if not regulated by a management agency.

2. Quantify Fishing Effort

As part of the survey conducted to determine fishery/gear categories, management agencies, published literature, and knowledgeable experts were consulted to provide information on the amount of fishing gear annually available for fishing and, if possible, the amount of gear units fished annually for each of the fishery/gear categories by state or area. For nearly all gear categories and states, the total number of gear units available to be fished annually was accessible, e.g., the number of salmon purse seine nets licensed to fish in a particular state in 1987. The total number of gear units actually fished annually was also available for some gear categories, e.g., number of purse seine sets made in the 1987 salmon season in a particular state. However, for other gear categories the number of gear units fished annually was estimated from information obtained from management agencies and fishermen's associations. This information included the number of active boats or gear units, the average number of days or trips fished in a year by each boat or fisherman, and the average number of gear units fished per day or trip. Little or no information on fishing gear effort was available for some states and regions, such as Hawaii and the Western Pacific. The number of gear units fished annually for each fishery/gear category should be used with caution as an approximate estimate of the relative magnitude of gear fished in a year.

3. Quantify Fishing Gear Lost and Lost Gear Interaction Factor

When possible, gear loss rates were estimated for individual gear categories. Gear loss rates were derived from a variety of sources, including published reports, observations of individual fishermen, and best-guess estimates from management agency personnel. When gear loss rates were not available for a particular gear category in a particular area, a gear loss rate for a similar gear category in the same state or a nearby state was used. For example, if an estimate of gear loss rate for Dungeness crab pots was available from Oregon but not for the same fishery in Washington, the Oregon rate would be applied to the Washington gear category. Gear loss rates are expressed in terms of the percent of the estimated total number of units of gear available for fishing that are lost annually. Gear loss percentages are calculated as follows: a fishermen may report that of 200 pots available to be fished each year, he loses 20 pots each year for a 10% loss rate ($20 \text{ pots lost per year} / 200 \text{ pots available for fishing} = 10\% \text{ loss rate}$).

The reported gear loss rates are based on an assumed level of effort, i.e., an average number of gear units available for deployment and an average frequency of deployment during the 1987 fishing year. Since gear loss rates are based on a percentage of the number of gear units available for deployment, any change in the number of gear units fished in a year would be reflected in the number of lost gear units. However, if the number of gear units available remained the same but the frequency of deployment were to change resulting in a change in the number of total gear units fished per

year, the loss rate based on percent of gear units available would not account for the change in lost gear resulting from the change in total gear effort. Therefore, as an index of the level of gear effort employed in 1987, the total estimated number of gear units deployed during the year is also presented.

The report summarizes a best effort to estimate gear loss rates. In many instances gear loss rates reported for individual fishery categories were highly variable, depending upon the source of the report. Published gear loss rates from objective scientific studies were given the highest priority, followed by informed opinion or observations of state or agency managers, fishery experts, and commercial fishermen's associations. In the absence of the above information, subjective estimates of gear loss rates from individual fishermen involved in the fishery/gear category of interest were used. In most cases, individual fishermen's estimates of gear loss rates corroborated published or personal estimates of fishery managers.

The potential effects of lost fishing gear are dependent upon the number of gear units lost during a year and the length of time lost gear interacts with an effect category. The length of effective time of lost gear is dependent upon the effect category of interest. For a hypothetical example, a lost pelagic gillnet may continue to actively fish for the target species for one week, at which time it becomes significantly less effective. The same lost gillnet may continue to interact with vessels, birds, and marine mammals for an additional two months until it is washed ashore, where it may continue to create aesthetic effects for a year until covered with sand. Thus, depending upon the effect category of interest the interaction time of lost gear will vary.

For the purposes of this report, the interaction time of each lost gear unit was set at an average period of time the lost gear unit would actively effect target and bycatch species, have a reasonable effect on marine mammals, and cause potential vessel or human safety effects. This time period is more than just a "ghost fishing" period because for those gear items which had a predominantly aesthetic effect rather than a biological or safety effect, the length of time aesthetic effects would occur was considered. It must be stressed that duration of the lost gear effect time is an average based on the most common lifetime of most of the gear units lost in a particular area. While it may be argued that a fragment of trawl net lost in the North Pacific could drift for months at sea before washing ashore in Hawaii and have a significantly longer effect time than that listed in the table, there is a general consensus among fishery experts that most trawl gear lost in the North Pacific washes ashore in Alaska within a much shorter period than the time required to travel to Hawaii and, therefore, the shorter effect time is reported.

The length of time each unit of lost gear remained active was estimated from information available in the literature and observations of fishermen, conservation organizations, and agency managers. The estimated effect interaction time was a gross estimate necessary for calculation of lost gear

fishing effort (number of gear units fished per year x percent gear loss x length of interaction time in months = lost gear interaction factor). The resulting lost gear interaction factor is an index of the magnitude of the gear loss effect effort, e.g., lost pot months. The lost gear interaction factor should be used with caution and only when comparing the relative gear loss effect effort between fisheries utilizing essentially the same fishing gear. For example, the interaction factor would be useful to estimate the relative effect on the target species of the effort of lost spiny lobster pots in Florida compared with the effort of lost spiny lobster pots in Hawaii. However, the interaction factor should not be used directly to estimate the relative effect of the lost gear effort pots on spiny lobsters of in Hawaii compared with the effect of the effort of lost gillnets on salmon in Washington. To effectively use the lost gear interaction factors between gear categories requires knowledge or an assumption of the effects of an individual gear unit on the species or factor of interest in the effects category. It was not the purpose of this report to provide a single index of lost gear effect effort that could be used across all fishery/gear categories and effect categories to assess relative effects among gears and fisheries. Such an index would require a quantitative estimate of the effect of each lost gear unit on each effect category, e.g., amount of target or bycatch species killed, the number of birds, reptiles or marine mammals taken, etc. Such quantitative effects information is not available for nearly all of the fishery/gear categories examined. Rather, the lost gear interaction factor should be used cautiously and only with some knowledge and understanding of the effects of the fishery/gear category on the effect category of interest.

4. Determine Gear Loss Effects by Effect Category

The survey of management agencies, published literature, and knowledgeable experts included questions concerning the documented effects of lost gear on eight effects categories: marine mammals, birds, reptiles, target species, by-catch species, economic loss of target and/or by-catch species, aesthetics, and safety. The effect of a unit of lost gear on each of the effects categories was estimated and a non-quantitative index applied. The indices applied indicate whether or not an effect from a unit of lost gear has been documented or presumed. The indices do not present any attempt to estimate a relative quantitative estimate of the effect of a unit of lost gear on the effect category. For example, a single documented effect of lost crab pot float line entangling a threatened marine mammal received the same index code "20" as ten documented cases of lost pelagic gillnets entangling multiple threatened marine mammals.

Possible index codes in each of the effects categories were:

Marine Mammals, Birds, Reptiles

<u>Code</u>	<u>Effect Description</u>
10	Documented Effect on an Endangered Species
11	Presumed Effect on an Endangered Species
20	Documented Effect on an Threatened Species
21	Presumed Effect on an Threatened Species
30	Documented Effect on Other Species
31	Presumed Effect on Other Species
41	No Documented or Presumed Effect

Target Species, By-Catch Species, Economic, Esthetics, Safety

<u>Code</u>	<u>Effect Description</u>
10	Documented Major Effect
11	Presumed Major Effect
20	Documented Minor Effect
21	Presumed Minor Effect
41	No Documented or Presumed Effect

For marine mammals, birds, and reptiles, effects were assumed to be those interactions that were likely to harm or kill animals through direct contact with the lost gear unit. No indirect effects were considered in applying effects codes, such as the depletion of a food resource for an animal through ghost fishing of a lost gear unit. Effects were based on accounts in the published and unpublished literature, as well as opinions of knowledgeable experts. In many cases, although an effect was not documented for the specific gear being considered, effects documented or presumed for other quite similar gears were used to assign effects index codes. In some cases arbitrary index codes were assigned based on the best available information. It is quite possible that for minor fishery/gear categories some effects codes are assigned incorrectly because of information on specific interactions that may exist but which was unavailable during the preparation of this report.

For many gear/fishery categories, information was available on interactions of lost gear with target and bycatch species. For those fishery/gear categories for which no information on lost gear effects was known, effects index codes were applied based mainly on information available from the active commercial fisheries. Effects were generally confined to passive fish gear types, such as longlines, gillnets, and pots. Active fishing gear, such as trawls and trolling lines, was assumed to have less direct interaction on target or bycatch species unless such interactions were documented. Only commercial species were considered as bycatch in assigning bycatch effect

index values. Interaction of lost gear with other, noncommercial species was not ignored.

The economic effect category integrates across the economic impact of target species losses, bycatch species losses, and the replacement cost for lost fishing. When significant effects of lost gear on valuable target or bycatch species were documented or the replacement cost of lost gear units was high in relation to the annual value of the harvest, major economic interaction was coded.

The aesthetic effect category records the effect of lost gear on the satisfaction of users of an area. In most cases, these effects or interactions involved recreational beach users or divers who potentially may find the presence of lost fishing gear objectionable. There is very little documented information on the effect of lost fishing gear on aesthetic value. However, the potential for such an interaction exists in areas with high recreational use.

The safety effect factor provides information on the effect of lost gear on the safety of humans. Integrated into the effect factor index in this category are fouling of vessels by lost gear which could endanger the crew and ship and potential effects of lost fishing gear on commercial or recreational divers and other water users. Commercial fishing gear has been documented to endanger humans through fouling of vessels and entanglement of water users.

5. Group Gear Categories by Region and Sort by Lost Gear Interaction Factor

The lost fishing gear tables for each state or area were grouped into one of six size regions: North Atlantic (Maine, Massachusetts, Rhode Island, Connecticut, Delaware, New York, New Hampshire, and New Jersey), South Atlantic (Maryland, Virginia, North Carolina, South Carolina, Florida East Coast), Gulf of Mexico and Caribbean (Puerto Rico, Virgin Islands, Florida West Coast, Georgia, Alabama, Mississippi, Louisiana, Texas), Great Lakes (Minnesota, Wisconsin, Michigan, Illinois, Indiana, Ohio, Pennsylvania, New York), West Coast and Alaska (California, Oregon, Washington, Alaska), and Hawaii and the Western Pacific (Hawaii, American Samoa, Guam, Northern Marianas).

Two tables were generated for each region. The first table summarizes lost gear interaction factors by regional fishery/gear categories. A regional lost gear interaction factor was calculated by summing individual lost gear interaction factors for identical fishery/gear categories across states. The regional lost gear interaction factor for each fishery/gear category was then used to rank the regional fishery/gear categories. For example, three states within the North Atlantic region may have bottom trawl fisheries with lost gear interaction factors. The individual lost gear interaction factors were summed across the three states within the region, and the resulting re-

gional lost gear interaction factor for bottom trawl fisheries was ranked against the regional lost gear interaction factors for other fishery/gear categories within the region. State or area codes were retained so that within a particular fishery/gear category the importance of an individual state or region can be identified.

The second table produced for each region presents fishery/gear categories ranked by lost gear interaction factors for individual state or area fishery/gear categories without regard to the summed interaction factors for identical fishery/gear categories within the region. The fishery/gear categories are ranked from highest to lowest within each region. A fishery/gear category for a particular state with a high interaction factor value will rank near the top of the matrix, while an identical fishery/gear category for another state in the region with a low interaction factor will rank near the bottom of the table. This table allows a more detailed identification of species fishery/gear categories with high gear loss.

6. Group Gear Categories by Effects Category and Sort
by Relative Effects Code and Lost Gear Interaction Factor

Within each region separate tables were generated for each of the eight effects categories presenting gear categories sorted by decreasing effects index values, and within each effect index value by decreasing lost gear interaction factor. For example, the marine mammal table has documented interactions of gear categories with endangered species (code 10) listed by decreasing magnitude of lost fishing gear factor, followed by all presumed interactions with endangered species (code 11) by decreasing magnitude of lost fishing gear factor, followed by documented interactions with threatened species (code 20) by decreasing magnitude of lost fishing gear factor, etc. Within each of these tables, fishery/gear categories with no documented or presumed effects (code 41) were deleted to reduce the size of the tables. As in the regional tables, state and area codes were retained to allow reference to more detailed effects. These tables provide an analysis of effects of gear loss in each gear category by importance within the effect category and magnitude of annual gear loss.

RESULTS

North Atlantic Region

Interaction Factor (Tables 1A & 1B)

The highest interaction factors in the region were associated with pot fisheries, with 36 of the 40 highest factors belonging to this gear type. Of the pot fisheries, inshore lobster pot fisheries accounted for eight of the ten highest interaction factors calculated within the region. The inshore lobster pot fishery off Maine exhibited by far the highest interaction factor of any other fishery in the region. Although interaction factors for inshore lobster pot fisheries off Massachusetts and Rhode Island were high, these values were much smaller than that observed for the fishery off Maine.

The "other gillnet" fishery off Massachusetts and the large longline fishery also off Massachusetts are notable as non-pot gear fisheries with high interaction factors relative to other gillnet and longline fisheries in the region. The reader is cautioned, however, against using interaction factors, which represent the number of lost gear interaction months generated by a given gear type in a given year, to determine the relative impact on the marine environment of the loss of **different** gear types. Such comparisons are inappropriate since the relationship between a lost pot fishing month and a lost gillnet or other gear month is unknown. Comparisons of the lost gear interaction factor between different fishery/gear categories are legitimate, as are contrasts within gear types between or within regions where such gear is fished. However, extrapolation of the relative interaction effect factor values among different gear types to resulting impacts on specific effects categories requires knowledge of the relative impacts of the different fishery/gear categories on the effect categories of interest.

Mammal Factor (Table 1C)

Cetecean entanglement in float ropes in actively fishing lobster pots has been documented.¹ While no such records exist for lost pots, such entanglement is presumed possible based upon the large number of pots lost and the occurrence of endangered and other species of ceteceans in regions of high pot loss. So, therefore, lobster pot fisheries and their high interaction factors appear at the top of the list of regional fisheries which interact with mammals. Documented evidence of humpback whales dragging gill nets suggests that lost gill net and other entangling gear are also presumed to interact with endangered and other marine mammal species.²

Because of its very high interaction factor value, the Maine inshore lobster pot fishery is high on the list of mammal interaction fisheries. No data are available to assess the position of the Maine offshore lobster fishery, New York drift gillnet, or Rhode Island fish and "other" pot fisheries. Given existing evidence of mammal interaction with similar gear types in unspeci-

fied locations within the North Atlantic region, however, each of these fisheries is presumed to interact with endangered species of marine mammals.³

Bird Factor (Table 1D)

With the exception of the bag net fishery off Maine (bag nets are anchored in shallow water areas where currents are present) and two longline fisheries (possible sources of line entanglement), the interaction matrix for birds is identical to the matrix for mammal effects. As in the mammal matrix, pot gear is the preeminent gear within the bird effect matrix. Diving birds may become entangled in lost lobster pots, particularly shallow water inshore pots, as reported for birds interacting with pot fisheries in the North Pacific.⁴ It is important to note that no North Atlantic fisheries of any kind were documented or presumed to interact with endangered or threatened bird species. The inshore lobster fisheries off Maine, Massachusetts, and Rhode Island are determined to have the highest potential for interaction with bird species.

Reptile Factor (Table 1E)

Turtle entanglement in ropes and lines is documented in the Gulf of Mexico and South Atlantic.^{5,6} Because lobster pot fisheries in the North Atlantic use float ropes similar to those found on turtles in the Gulf of Mexico, the lobster pot fisheries in the North Atlantic are presumed to interact with endangered (leatherback) and threatened (loggerhead) species of sea turtles within the region. Loggerheads migrate northward approximately to Massachusetts, while leatherbacks range slightly farther north. Incidents of diamondback terrapins being captured in wire pots fished for blue crab off South Carolina have also been reported and may indicate a potential problem for similar reptiles in the inshore lobster pot fishery in the North Atlantic.⁷ Maine, Massachusetts, Rhode Island, New Hampshire, and New York lobster pot fisheries head the list of interacting fisheries.

Target Species Factor (Table 1F)

Unlike actively fished gear (trawls, purse seines, trolling, jigging, etc.), the fishing effectiveness of passive gear, such as pots and gillnets, is not immediately impaired when the gear is lost. Passive gear can continue to exert a significant negative impact on their target species even after they are lost. Lost gillnets, for example, have been found to fish at a 15 percent effectiveness rate for up to eight years.⁸ Such behavior explains why passive gear, such as pots and gillnets, especially those lost in fairly large amounts in the North Atlantic region, are presumed to have significant target species effects when lost. Maine, Massachusetts, Rhode Island, New

Hampshire, and New York lobster pot fisheries again top the list of problematic fisheries.

Bycatch Factor (Table 1G)

Striped bass populations along many areas of the East Coast are or have recently been in a depressed condition.⁹ The capacity of lost gillnets to continue to fish and harvest unknown quantities of this important species during a period when management agencies are attempting to institute resource rebuilding strategies suggests that gillnet fisheries with high interaction factors could have a major impact on these stocks.¹⁰ The larger gillnet fisheries in each of the states in the region are therefore presumed to have a potential major bycatch impact. Smaller gillnet fisheries and other fisheries, such as pots and traps, have a smaller bycatch impact. Pot fisheries, for example, in most states are fitted with escape rings to allow the escape of undersized crab and fish, although larger individuals may be retained. While otter trawl and purse seine webbing may entangle some bycatch species, the extent of this entanglement is deemed to be so low as to have a negligible effect on bycatch species.

Economic Factor (Table 1H)

The economic effect factor integrates across the economic impact of target species losses, bycatch species losses, and the replacement cost for lost fishing. Thus, an otter trawl with no target or bycatch impact may be assigned at least a minor economic effect due to the expense of replacing a lost trawl.

The high valued lobster fisheries in the region appear at the top of the economic factor list due to their capacity to continue to remove market size lobsters from the fishery. Gillnet removals of striped bass also may be of high economic importance, given the importance or potential importance of this species to the recreational fishery.

Aesthetic Factor (Table 1I)

Beaches along Cape Cod, Massachusetts, Rhode Island, and the Jersey shore receive heavy recreational use from the large metropolitan areas located in the Northeast. Thus, the potential aesthetic impact of gear loss is higher in the North Atlantic region than in most other areas of the U.S. The potential stranding of inshore pot gear or remnants thereof on these beaches is deemed to have a major aesthetic impact in the region. Likewise, the larger gillnet fisheries generate substantial amounts of lost gillnet or gillnet fragments which, should they wash ashore, create a larger aesthetic impact than apparent in most other regions.

Safety Factor (Table 1J)

Few fisheries were found to have significant safety effects. The large inshore lobster pot fisheries off Maine and Massachusetts and the Massachusetts "other" gillnet fishery were the only fisheries with major safety impacts. Safety impacts were judged substantial in these fisheries due to the potential for entanglement and fouling of commercial and recreational vessels by these gear types. Since trawl web fragments have been found to foul vessels in the North Pacific,¹¹ similar safety problems may be associated with the North Atlantic trawl fishery. However, because the North Atlantic trawl fishery is much smaller than the large groundfish fisheries of the North Pacific, associated safety effects were also presumed to be of much less concern.

South Atlantic Region

Interaction Factor (Tables 2A & 2B)

Although interaction factors values were much lower in the South Atlantic region than in the North Atlantic, pot gears in the South Atlantic region still exhibited the highest interaction values. Eighteen of the top twenty interaction factors were attributed to pot fisheries. Blue crab fisheries in the region accounted for four of the top five highest interaction values.

Mammal Factor (Table 2C)

Because cetacean interactions with pot and gillnet gear have been documented in the North Atlantic, gear lost from offshore lobster pot fisheries in Maryland and Virginia and gillnet fisheries in Maryland, Virginia, North Carolina, and South Carolina were presumed to interact with endangered cetacean species that migrate through the region.¹² Other smaller entangling or pot gear fisheries also generate gear losses that, because of the similarity of the gear type to gear types with documented interaction,¹³ were expected to interact with non-endangered and non-threatened pin-nipeds.

Bird Factor (Table 2D)

Marine bird interactions with passive gears (gillnets, longlines, pots, etc.) were well-documented.¹⁴ Because passive gears continue to fish for some period of time in a "normal" fashion when lost, passive gears fished in the South Atlantic region were presumed to interact with marine bird species inhabiting the region, particularly the brown pelican and other diving birds. Because active gear must be fished to be effective, its interactions with marine birds were presumed to be insignificant compared to those of the passive gear types.

Reptile Factor (Table 2E)

Endangered and threatened species of sea turtles occur throughout the South Atlantic region¹⁵ and, for the reasons presented under South Atlantic bird interactions, were presumed to interact with passively fished gear that is lost in the region.

Target Species Factor (Table 2F)

The high amount of gear thought to be lost in blue crab and spiny lobster fisheries conducted in the South Atlantic creates the potential for substantial target species impacts, since these traps can continue to fish for as long as twelve months.¹⁶ Minor target species impacts were associated with gillnet losses and trap losses in various other smaller pot fisheries.

Bycatch Factor (Table 2G)

Based upon bycatch reports from actively fished gear in the North Atlantic, the bycatch of striped bass in lost gillnets may introduce substantial bycatch effects in South Atlantic fisheries.¹⁷ Most other regional fisheries have little or no bycatch effects.

Economic Factor (Table 2H)

The additional, largely undocumented removal of blue crab in lost blue crab pots and the bycatch of striped bass in lost gillnets account for potential significant economic losses to both commercial and recreational fisheries in the South Atlantic region.

Aesthetic Factor (Table 2I)

Aesthetic impacts were deemed major in Florida East Coast fisheries, due to the proximity of beaches and coastline that is either developed and/or frequented by large numbers of tourists. Significant aesthetic impacts were also associated with Maryland, Virginia, and North Carolina blue crab fisheries due to the large amount of gear (traps, floats, and lines) potentially lost from these fisheries.

Safety Factor (Table 2J)

Major safety impacts were tied to only blue crab pot losses in Maryland, Virginia, and North Carolina, and spiny lobster pot losses off the east coast

of Florida. Such impacts were deemed major due to the extent of gear loss in these fisheries and the resulting potential for fouling and entanglement in float lines.

Gulf of Mexico and Caribbean Region

Interaction Factor (Tables 3A & 3B)

The highest interaction factors in the Gulf of Mexico and Caribbean (GOM/CB) region were associated with spiny lobster and blue crab pot and trap gear. These two fishery/gear types constituted eight of the top ten interaction factors calculated for the region. It is important to note that deployable gear values were not available for the Florida West Coast pot and trap "other" crab (largely stone crab) and inshore lobster pot fisheries. In these two fisheries, high pot loss rates (10 percent and 25 percent, respectively, from normal gear loss and interaction with shrimpers) could contribute to substantial lost gear interaction factors.

Other fisheries with relatively high interaction factors are the trammel net fisheries off of Puerto Rico/Virgin Islands,¹⁸ Texas, and Florida's west coast and the large shrimp otter trawl fisheries in the Gulf.

Mammal Factor (Table 3C)

Several species of endangered marine mammals, including the humpback, fin, sei, and right whale, are found in the Gulf of Mexico.¹⁹ Interactions of these species with commercial fishing gear have not, however, been documented, and none were presumed as interacting with lost gear. Other species of marine mammals, such as the bottlenose dolphin, do occur in the GOM/CB and do interact with active and lost commercial fishing gear.²⁰ Principal interacting fisheries include those which use and lose entangling gear (gillnets and trammel nets) or gear which becomes potentially entangling when lost (longlines, handlines). For the most part, pot and trap fisheries typically operate in shallow water in the GOM/CB that is frequented less commonly by marine mammal species. However, entanglement of whales has been documented for inshore net and trap fisheries in Newfoundland.²¹ Marine mammal interactions with the deep water spiny lobster and stone crab pot fisheries were presumed possible, however, based on documented entanglement in float lines in other areas.²²

Bird Factor (Table 3D)

Brown pelicans range from the Carolinas to Texas and throughout the Caribbean but are in endangered/threatened status only in Georgia, Mississippi, Louisiana, and Texas.²³ Fisheries with presumed lost gear interactions with pelicans in these regions were thus assigned a bird

interaction factor higher than that for populations occurring in Florida, Alabama, and the Caribbean. Such high bird interaction fisheries include the large, shallow-water blue crab pot fisheries off Georgia, Mississippi, Louisiana, and Texas, and the various fisheries which lose entangling or potentially entangling gear in the region, such as longlines, gillnets, monofilament handlines, trammel and cast nets, and brush traps. Unattended surface baited longlines are reported to catch and/or entangle brown pelicans, cormorants, and great white herons in the Florida Keys.²⁴ Comparable fisheries in Florida, Alabama, and the Caribbean probably interact with brown pelicans to the same degree, but this interaction is less critical than that occurring in the western Gulf states.

Reptile Factor (Table 3E)

Several species of endangered sea turtles occur in the GOM/CB, and their interaction with commercial shrimp and groundfish fisheries of the region is well-documented. Because the "active" otter trawl gear used in these fisheries ceases to fish when it is lost, the gear lost from these fisheries was presumed to have a low impact on the region's reptiles. Much more problematic are the "passive" gillnet and potentially entangling pot and longline fisheries which operate throughout the Gulf.²⁵

Target Species Factor (Table 3F)

Passive gear types have the greatest potential impact on target species because when lost they continue to fish in the manner they were designed (albeit with ever-decreasing efficiency). Passive gear fisheries, where large amounts of gear are deployed and lost, such as the blue crab and spiny lobster pot fisheries in the GOM/CB, have the highest target species impact.

Bycatch Factor (Table 3G)

Red drum have been so heavily exploited in the GOM in recent years that strict quotas have been placed on the harvest of this species by commercial and recreational fisheries. Large gillnet fisheries which generate substantial amounts of lost gear interaction months each year may have a significant negative effect on red drum populations in the GOM. Consequently these fisheries, such as the Florida, Louisiana, and Georgia gillnet fisheries, were assigned the highest bycatch interaction factors. Mississippi gillnet fisheries are quite small and Texas has banned the use of gillnets altogether.

Both pot and gillnet fisheries in the Caribbean were assigned high bycatch interaction values because of the condition of the fishery resource in the region. Any bycatch removals by gear lost in Puerto Rican and Virgin Island fisheries would worsen the status of lobster and reef fish resources already

labelled to be in a crisis condition.²⁶ Moreover, escape rings are not required on fish and lobster pots operated in the Caribbean. Thus, undersized individuals which enter a lost pot cannot escape.

Economic Factor (Table 3H)

The large potential removals of target species in pot gear lost in the GOM and the unwanted harvest of red drum and other bycatch species in Gulf gill and trammel net operations moved these gear types to the top of the economic interaction list. Target and bycatch species removals by gear lost in the Caribbean was presumed to contribute to significant economic impacts in that region. Costs associated with the replacement of lost otter trawls, while in part alleviated by existing state and Federal gear replacement funds, do impose a minor economic impact, even though they have little or no impact on target or bycatch species.

Aesthetic Factor (Table 3I)

Major aesthetic impacts were associated with fisheries with extensive gear loss problems off Florida and the Caribbean. These impacts were deemed major because of the importance of beaches to tourism, particularly in the U.S. Virgin Islands and Florida's panhandle. The high amount of exposure to tourists received these beaches and coastal zones suggests that the aesthetic impacts of gear loss and stranding in these areas is higher than that in other areas of the GOM.

Safety Factor (Table 3J)

Large amounts of gear lost in relatively shallow water could pose a significant safety hazard to divers, swimmers, and pleasure and commercial craft. Therefore, the large pot and trap fisheries received high safety risk designations. While the spiny lobster pot fishery is conducted in deeper water, the large amount of gear lost in this fishery is presumed to have a major safety impact due to the potential for fouling and entanglement of vessels. Fortunately, most other gear lost in the GOM/CB has little or no presumed safety effects.

West Coast and Alaska

Interaction Factors (Tables 4A & 4 B)

Interaction factors are generally lower in West Coast and Alaska (WC/AK) fisheries than factors for comparable gear types in most other regions. This occurs despite the fact that loss rates are comparable to rates observed in other areas. Lower interaction factors in WC/AK fisheries can likely be attributed to the smaller amount of gear available for deployment in these fisheries and the short fishing seasons which reduce gear deployment values relative to those in fisheries in other regions. For example, the maximum amount of gear deployed in any one fishery in the WC/AK region in 1987 was the 23.6 million pots set in the Alaska king and Tanner crab fisheries, or less than one-fifth of the 171.6 million pots set in the Maine inshore lobster fishery.

As in most other regions, however, pot fisheries again represented the fisheries with the highest lost gear interaction factors. King and Tanner crab fisheries off Alaska had an interaction factor almost an order of magnitude higher than Dungeness pot fisheries off Alaska and inshore lobster pot fisheries off California. Dungeness crab pot fisheries off Washington and Oregon also ranked in the top ten interaction fisheries.

Other gear types with high interaction factors relative to comparable gear types included the Alaska halibut and groundfish longline fisheries and the California halibut gill net fishery.

Mammal Factor (Table 4C)

Actively fished gear interactions with threatened species of marine mammals have been documented in the California gillnet fisheries for halibut and sea bass and are presumed to occur in several other gillnet fisheries conducted in the state.^{27,28} Interactions between lost commercial fishing gear (mainly trawl webbing) with depleted/threatened northern fur seals and northern sea lions are documented to occur for several Alaska trawl, gillnet, pot, and longline fisheries.²⁹ Entanglement in marine debris, including lost fishing gear, has been implicated in the decline of the fur seal population in the eastern North Pacific.³⁰ No other lost fishing gear related effects are known to be documented at a population level. The high lost gear interaction factor associated with pot fisheries placed these fisheries at the top of the list of mammal interaction effects. Effects of lost gear in pot fisheries on marine mammals is primarily entanglement in lost float lines. Mammal interactions with pot fisheries in the North Pacific would be akin to pinniped interactions with lobster pot fisheries on the East Coast. Ceteceans have also been reported to interact with lobster pot fisheries and may do so in the North Pacific, although the extent of such interaction is unknown.³¹

Bird Factor (Table 4D)

Although the Washington drift net salmon fishery is known to lose gear that entangles sea birds,³² no WC/AK fishery is known to lose gear that interacts with endangered or threatened species of birds. Several gillnet fisheries on the West Coast and in Alaska are documented to interact with non-endangered or non-threatened birds and are presumed to interact with lost gear.³³ Likewise, pots lost in shallow water are presumed to potentially interact with species of diving birds inhabiting the region. The extent of such interactions, however, is likely quite low.

Reptile Factor (Table 4E)

No WC/AK fisheries are known or presumed to lose fishing gear which interacts with reptiles.

Target Species Factor (Table 4F)

Major interactions between lost salmon drift gillnets, Dungeness crab pots, and fish pots and target species have been documented off British Columbia and Washington.^{34,35,36} Similar major interactions were presumed to occur when gear is lost from other gillnet and pot fisheries in the region, particularly Alaska king, Tanner, and Dungeness crab, California and Oregon Dungeness crab, and California inshore lobster pot fisheries. Several California and Washington gillnet fisheries were presumed to have major interactions with target species, but the lost gear interaction factor for each fishery could not be calculated due to the lack of sufficient data on number of gear units available and percent of gear loss.

Bycatch Factor (Table 4G)

Bycatch interaction factors from ghost fishing were presumed to be high for gear lost from California and Oregon pot and gillnet fisheries. Minor interactions between bycatch and lost gear have been documented in the Washington fish pot and drift gill net salmon fisheries.³⁷ Minor interactions were presumed to occur in several other WC/AK fisheries, particularly the Alaska king, Tanner, and Dungeness crab fisheries, Oregon and Washington Dungeness crab pot fishery, and the Alaska halibut and groundfish longline fisheries. The effective ghost fishing time of longline gear is likely to be relatively short, and unbaited gear probably represents little or no bycatch.³⁸

Economic Factor (Table 4H)

The unnecessary removals of target or bycatch species by the gear lost from the larger pot and gillnet fisheries along the WC/AK account for significant economic losses in the region.³⁹ Significant replacement expenses are incurred from lost pots annually.

Aesthetic Factor (Table 4I)

Major aesthetic impacts were presumed to be associated with gear loss from gillnet, line, and otter trawl fisheries operating along the California coastline where sport diving and recreational beach use is high. Minor impacts have been documented when gear is lost from otter trawl, Dungeness crab pot, and drift gillnet salmon operations conducted along the Oregon coast.⁴⁰ Minor aesthetic impacts also were presumed to be associated with most other pot, line, and gillnet fisheries conducted along the West Coast. Since most fishing operations in Alaska are conducted in remote regions of the state, the aesthetic impact of fishing gear lost in these fisheries was presumed to be minimal to non-existent.

Safety Factor (Table 4J)

Gear lost from several WC/AK fisheries have a documented major effect on safety in the region, mainly from entanglement of sport and commercial divers⁴¹ and from fouling of vessels.⁴² Fisheries having major safety effects include the trawl and pot fisheries in Alaska, pot fisheries and drift salmon gillnet in Washington, Oregon pot fisheries, and California pot and gillnet fisheries for halibut and sea bass. Minimal impacts are associated with otter trawl operations along the West Coast, set gillnet and herring gillnet fisheries in Alaska, and several longline and gillnet fisheries off of California.

Hawaiian and Western Pacific Region

Interaction Factor (Tables 5A & 5B)

Little is known about the amount of gear available for fishing in Hawaii and the Western Pacific. Regional management agencies make little attempt to quantify effort in what are mainly small scale subsistence and local commercial fisheries. Effort and pot loss in the offshore and inshore lobster pot fishery in Hawaii is monitored by the NMFS. Although small in relation to the number of pots set and lost compared with other pot fisheries in other regions, the lobster pot fishery led the Western Pacific and Hawaii region with the highest lost gear interaction factor. The handline fishery for rockfish in Guam also generated a high lost gear interaction factor in the re-

gion. Even so, this lost gear interaction factor was far less than that observed in any other region except the Great Lakes.

Mammal Factor (Table 5C)

Gear lost from handline fisheries for rockfish in Hawaii have been found to interact with endangered marine mammal species (Hawaiian monk seals) in the region.⁴³ Although not documented, similar marine mammal interactions are suspected involving lost longline gear. "Combined" gear types in Guam and the Northern Marianas were presumed to interact with other non-endangered or non-threatened species of marine mammals. The Hawaiian lobster pot fishery has a documented case of the float line of an actively fished pot string entangling and killing a monk seal.⁴⁴ All other gear types in the region have no known interaction with marine mammals.

Bird Factor (Table 5D)

Hawaiian rockfish handline, longline, pole and line, and power troll for tuna fisheries were suspected of generating gear losses that could interact with endangered species of marine birds. Interactions between sea birds and similar lost commercial fishing gear in other areas has been documented.⁴⁵ Gear lost from other handline fisheries in Hawaii, Guam, American Samoa, and the Northern Marianas were thought to interact with other bird species that are not threatened or endangered.

Reptile Factor (Table 5E)

Gear lost from Hawaiian and Western Pacific fisheries is not documented to affect any species of endangered or threatened reptiles. However, minor presumed effects of lost gear in net, line, and pot fisheries may occur on all species of turtles in the area, based on interactions between similar lost gear types and species in other areas.⁴⁶

Target Species Factor (Table 5F)

Hawaiian pot fisheries, reef nets, and rockfish handline fisheries in Guam, American Samoa, and the Northern Marianas have a minor degree of interaction with target species.⁴⁷

Bycatch Factor (Table 5G)

Minor lost gear bycatch interactions were presumed in Hawaiian reef net fisheries and Hawaiian pot fisheries for crab, fish, lobster, and shrimp.

Economic Factor (Table 5H)

A minor economic effect occurred with lost pots in the Hawaiian and Western Pacific lobster and shrimp pot fisheries.⁴⁸ No economic effects were related to gear loss in other Hawaiian or Western Pacific fisheries.

Aesthetic Factor (Table 5I)

Minor aesthetic effects were associated with gear loss in the vicinity of the Hawaiian Islands, since lost gear affects recreational beach users and divers.

Safety Factor (Table 5J)

Lost gear safety interactions were attributable to Hawaiian reef, lift, encircling, and bag nets. Spear loss generates a minor safety problem due to the potential for interaction with sport and commercial divers.

Great Lakes Region

Interaction Factor (Tables 6A & 6B)

Great Lakes lost gear interaction factors were the lowest calculated for any region in the study. In fact, gillnets are the only gear type used on the Great Lakes that generated interaction factors greater than one. Interaction factors were highest in gillnet fisheries in the Michigan waters of Lake Huron, Lake Superior, and the northern regions of Lake Michigan. Gillnet losses in the Wisconsin waters of Lake Superior and Lake Michigan were comparable to values recorded in the Michigan waters of these lakes. Gillnets are usually lost due to icing and/or rough weather conditions.

Mammal Factor (Table 6C)

No mammal interactions were documented or presumed when gear is lost from Great Lakes fisheries.

Bird Factor (Table 6D)

Lost gear interactions with threatened/depleted species of loons and cormorants are presumed to occur in several Great Lakes fisheries.⁴⁹ No lost gear interactions were documented, however.

Reptile Factor (Table 6E)

Some lost gear interaction with non-threatened or non-depleted reptile species was presumed to occur in most Great Lakes fisheries due to the largely inshore nature of these operations.

Target Species Factor (Table 6F)

Minor interactions of lost gear with target species were thought to occur in all passive gear fished in the Great Lakes. Active gear, such as trawls and seines, have no target species impact when lost.

Bycatch Species Factor (Table 6G)

Lake trout has been in a depressed condition in the Great Lakes for many years. Additional removals of lake trout by lost gillnet gear could have a significant impact on the ability of this species to recover. Such gear losses could be particularly problematic, since tribal treaty rights allow Native Americans to use gillnets to harvest salmon in critical lake trout habitat areas. Salmon bycatch in lost gillnets also represented a substantial potential bycatch impact.

Economic Factor (Table 6H)

Lost gillnet gear bycatch removals of lake trout and the salmon species important to recreational interests on the Lakes could have a significant economic impact. Most other economic impacts, however, were minimal.

Aesthetic Factor (Table 6I)

Because of the relatively small size of the Great Lakes compared to the other ocean regions discussed in this report, gear lost in the region will likely be washed ashore before it decomposes. These shorelines are, for the most part, developed and/or used heavily by tourists. Therefore, gear lost from most Great Lakes fisheries has some minimal aesthetic effect even though very small amounts of gear are lost compared to the rates documented in other regions.

Safety Factor (Table 6J)

Gear lost from Great Lakes fisheries has very little or no effect on safety in the region. Some incidental fouling of lost line and net gear with commercial and recreational vessels was presumed.

CONCLUSIONS

The utilization of any natural resource for the benefit of a nation's citizens is not without cost, both economic and environmental. It is the responsibility of policy makers to weigh the benefits gained from the utilization of the resource against the cost associated with accessing it and to make rational decisions in order to maximize the overall benefit to all citizens. Accurate, timely information on which to base such decisions is paramount. This report provides baseline information on lost commercial fishing gear within the U.S. Exclusive Economic Zone to assist policy makers in their decisions to address the effects of lost gear associated with the harvest of U.S. fisheries resources.

This report is dependent upon the accuracy and completeness of information available at publication. During the preparation of this report adequate information was found lacking in several important areas. Although in most cases management agencies had sufficient documentation of landings and harvest value, in some cases little or no information was available on the level of gear effort or on gear loss rates. Little information beyond anecdotal observations was available on the effect of lost fishing gear on each of the effects categories examined. While the difficulty of acquiring these types of data is substantial, local, state, federal, and private entities should be encouraged to continue to collect and report such information.

Major Fishing/Gear Categories Based on Lost Gear Interaction Factors

Table 7 presents the two highest ranked fishery/gear categories in each region, based on lost gear interaction factors. Although other fishery/gear categories may have lower lost gear interaction factors but substantial impacts on effects categories, these twelve fishery/gear categories deserve attention, based solely on annual lost gear effort. Nine of the twelve fishery/gear categories are pot and trap fisheries targeting shellfish. Pot and trap fisheries dominated in all regions except the Great Lakes where gillnet fisheries had the highest lost gear interaction factors.

Pot and Trap Fisheries

Pot and trap fisheries dominated the lost fishing/gear categories, based on lost gear interaction factors in all regions (Table 7). Lost gear associated with pot fisheries include pots, groundlines (in multiple-string pot fisheries), float lines, floats, and in some cases anchors. The main effects of the gear loss are ghost fishing of pots for target and bycatch species, entanglement of sea birds and marine mammals in float lines, fouling of vessels in float lines, and aesthetic impacts on beach and diving areas. The economic impacts of target species mortality may be substantial in these fisheries because of the relatively high value of the fisheries resources targeted

by these fisheries. Loss of gear in pot fisheries is to some extent a result of interaction with other fisheries, namely trawl, in many areas.

In the North Atlantic, inshore and offshore pot fisheries for lobster had very large lost gear interaction factors due to the large number of gear units fished and high gear loss rates. The North Atlantic lobster pot fishery had by far the highest lost gear interaction factor of any pot fishery in any region (Figure 1). While a comparison of simply lost gear interaction values cannot be extrapolated to a resulting impact in each of the effects categories, the comparison is appropriate to show relative annual gear loss effort within the pot gear category. However, it should be noted that other than an absence of an interaction with birds, interactions between lost lobster pots and all effects categories were either documented or presumed, and with the high level of lost gear effort such interactions may be substantial.

In the South Atlantic, pot fisheries for blue crab and spiny lobster had the highest lost gear interaction factors and ranked third and seventh respectively among other regional pot fisheries. These fisheries also had documented or presumed interactions with most, if not all, effects categories.

In the Gulf of Mexico and the Caribbean, pot fisheries for spiny lobsters and blue crab had the highest lost gear interaction factors. The spiny lobster pot fishery ranked second among other regional pot fisheries, and the blue crab pot fishery ranked third.

Off the West Coast and Alaska, pot fisheries for king and Tanner crab and for Dungeness crab had the highest lost gear interaction factors. These fisheries ranked fifth and ninth among other pot fisheries. Although these fisheries ranked substantially lower in lost gear interaction factors than East Coast pot fisheries, their impacts on the effects categories are just as potentially serious, particularly for king and Tanner crab pots which are substantially larger than East Coast pots and have higher potential ghost fishing capabilities per unit of gear.

In the Western Pacific and off Hawaii, the pot fishery for spiny and slipper lobster had the highest lost gear interaction factor, followed by the handline fishery for rockfish. The lobster pot fishery ranked thirteenth among other regional pot fisheries.

Line Fisheries

Based on lost gear interaction factor values, line fisheries were generally second behind pot fisheries in lost gear effort. Line fisheries employ a variety of gears to harvest mainly fish resources, including longlines set with baited hooks on the bottom and at the surface, handlines trolled or jigged near the bottom, and pole and line gear. Lost gear associated with longline fisheries includes main line, leaders or ganions with hooks, anchors, float lines, and floats. Handlines and pole and line fisheries lose monofilament

or dacron line, hooks, lead weights, and lures. Although some impact on target and bycatch species occurs while hooks remain baited, the effective ghost fishing time of most line gear is very limited. The main effect of lost gear in line fisheries is entanglement of animals, fouling of vessels, and potential safety factors for divers and swimmers.

By far the two line fisheries with the highest lost gear interaction factors were West Coast and Alaska halibut longline and groundfish longline fisheries (Figure 2). These fisheries employ a variety of vessel sizes and gear configurations to harvest bottom dwelling species. Bycatch in the directed fishery occurs and was presumed for lost gear. Interactions of lost gear in these fisheries with marine mammals and birds occur, and safety effects from vessel fouling were also documented.

Gillnet Fisheries

Gillnet fisheries operate in some form or another in each of the six regions examined. Based on lost gear interaction factors, gillnet fisheries generally ranked third below pot and line fisheries in lost gear annual effort. Gillnets are employed to harvest a variety of surface, pelagic, and bottom dwelling fish, as well as shellfish resources. Lost gear associated with gillnet fisheries consists mainly of the gillnet, floats and anchors, and lines. In most regions, all effects categories were impacted to some degree by lost gillnets. However, the length of time gillnets interact with most animals is highly dependent upon the type of gillnet, the method of fishing and the species of interest. It should be noted that the foreign pelagic drift gillnet fisheries operated for tuna, squid, and salmon have little similarity to the common inshore gillnet fisheries conducted within the U.S. EEZ, and this report does not utilize lost gear rates or environmental effects of these fisheries in determining impacts of regional U.S. gillnet fisheries.

Lost gear interaction values were highest for South Atlantic and North Atlantic "other" gillnet categories (other than drift and set) which mainly operate inshore for a variety of pelagic and bottom species, such as shad, mullet, croaker, etc. (Figure 3). California halibut gillnets ranked third among gillnets fisheries in other regions and were of particular interest due to their close proximity to concentrations of marine mammals and recreational water users.

Trawl Fisheries

Trawl fisheries are also conducted in most regions, and target a variety of fish and shellfish. Lost gear associated with trawl fisheries includes nets, pieces of nets, otter doors, cable, ropes, and floats. Bottom trawl fisheries generally have higher gear loss rates than mid-water trawl fisheries. However, in many instances, such as otter trawl fisheries on the West Coast and Alaska, vessels operate in both bottom and mid-water trawl fish-

eries interchangeably. Lost gear effects on target and bycatch species were generally minimal, since the gear must be actively towed to fish efficiently. Gear loss effects are mainly due to entanglement of animals and vessels and heavy economic loss associated with gear replacement. Trawl net pieces either from lost gear or discards are suspected in the decline of the northern fur seal population in the eastern North Pacific--the only documented potential effect of lost commercial fishing gear at a population effect level.

Trawl fisheries for shrimp in the Gulf of Mexico and bottom and mid-water trawl fisheries on the West Coast and Alaska ranked highest in lost gear effort, based on lost gear interaction factors (Figure 4).

RECOMMENDATIONS

Information Needs

During preparation of this report, important information was found lacking in four important areas: fishing gear effort, quantity of gear lost, ghost fishing time, and effects of lost gear. It was quite surprising that some management agencies make no attempt to quantify the amount of commercial fishing gear effort expended in major fisheries. It was less surprising that they make no effort to collect information on the amount or effects of lost commercial fishing gear because of the difficulty of such tasks. The following is a list of recommendations for the potential development of data sources for the above information:

Fishing Gear Effort

Effort data from fisheries are important to show trends in movement of fishermen between fisheries and potential resulting changes in lost gear impacts. State and federal management agencies should be encouraged to include some uniform estimate of the unit of effort expended in commercial fishery operations in their annual reports. Many states have logbook programs that request or require fishermen to record information on the species composition, volume, and value of their catch. The addition of some unit of effort, such as number of gear units set and/or the length of time the gear units are fished, and utilizing a unit that is ideally uniform within gear types across states, would allow at least an estimate of total gear effort expended and additionally allow fishery managers to calculate catch-per-unit effort (CPUE). The NMFS maintains such a gear effort (number of licensed vessels) and catch database for the Great Lakes, Atlantic, and Gulf regions.

In lieu of actual fishing gear effort, management agencies should be encouraged to attempt to estimate the average CPUE within particular fisheries either through collection of catch and effort information from a subset of the commercial fleet or from simulated commercial fishing operations. The average CPUE could then be divided into the total annual harvest of the target species for a particular gear type to produce an estimate of the total number of gear units employed during the year. This information could then be applied to assumed gear loss rates to indirectly determine total number of gear units lost and lost gear effort during the year.

Quantity of Lost Fishing Gear

There were few actual estimates of the total amount of gear lost annually for individual commercial fishing gears. The only estimates of lost fishing gear were a few published reports and observations of individual fishermen on the percent of the fishing gear available to be fished that was lost each

year. Fishermen usually reported gear loss rates as the number of gear units lost each year out of the number of units available for fishing for the year. Gear loss records could be recorded in log books as described above for fishing gear effort. The NMFS could request federal and state domestic observer programs to record gear effort and resulting gear loss rates that could be applied to non-observed fisheries. Fishermen could also be asked to report the number and types of gear lost or encountered during their normal fishing operations which would allow an estimate of the number of lost gear items in the environment. For example, trawlers could report the number of lost lobster or crab traps caught per unit of area or time towed.

State and federal government research cruises should record gear loss rates when using gears similar to commercial gears and fishing in commercial fishing modes of operation and areas. Agencies might also arrange for volunteer fishermen to keep track of gear loss rates as a sample of entire fleet loss rates.

Both the federal and state Commercial Fishermen's Gear Compensation Funds should be commended for their collection of important lost gear data. These funds record claims of lost or damaged fishing gear and pay compensation to fishermen (primarily Gulf of Mexico shrimp trawlers) who have lost gear as a result of presumed entanglement in oil drilling related objects. These programs can provide a minimum estimate of the number of gear units lost for these gear categories and areas.

Lost Gear Interaction Time

The estimate of ghost fishing time for commercial fishing gear is primarily dependent upon in-situ observations of either actual or simulated lost gear units by state and federal research scientists. These types of experiments should be encouraged. Additional data on ghost fishing time can be obtained from volunteer observations by commercial and recreational divers. The NMFS and state research vessels should be encouraged to record observations of derelict gear and make approximations of the age of the gear and its ability to affect target and other resources. Beach clean-up operations should be encouraged to record observations of commercial fishing gear.

Effects of Lost Commercial Fishing Gear

To improve the ability of scientists and managers to determine the potential threat of lost commercial fishing gear on a species, economic, aesthetic, or safety basis requires additional information on the effects of a unit of lost commercial fishing gear over its effective lifetime. Information on the effects of lost commercial fishing gear is generally in the form of isolated, anecdotal observations. Except for the northern fur seal population, few attempts have been made to associate the effects of lost and discarded com-

mercial fishing gear at a population level. Federal, state, and local fishery agencies should be encouraged to report to a centralized location, such as the The Entanglement Network Coalition,⁵⁰ all observations of entangled, injured, or dead species associated with lost or abandoned commercial fishing gear. This information should be summarized by gear category, species, and area on an annual basis. Scientists should be encouraged to include effects of lost gear in their reporting in published literature. Research programs designed to evaluate the mortality of target and other species by lost fishing gear should be encouraged, particularly for those gears with high incidence of gear loss as indicated by the interaction factor values in the tables provided in this report. Beach clean-up operations should be encouraged to report effects of lost commercial fishing gear on species encountered. The U.S. Coast Guard should be requested to record the type of fishing gear and the circumstances of any interaction between vessels, people or animals and fishing equipment resulting in damage, injury, or death.

Further Actions

Further Research into Lost Gear Based on Effects Category Factors

Fishery or gear loss information was not sufficiently available to calculate interaction factors for 139 fishery/gear type combinations in this report. Many of the fisheries for which fishery or gear loss information was inadequate do, however, have presumed interactions with endangered species of mammals, birds, or reptiles or are presumed to have the potential to induce major impacts on target species, bycatch species, economics, aesthetics, or safety (See Tables 1B, 2B, 3B, 4B, 5B, and 6B). It is our recommendation that these fisheries receive the highest research/management/funding priority in order to delineate the extent of gear loss in each.

In those fisheries in which fishery and gear loss information is sufficient to calculate interaction factors, it is also important to identify fisheries that warrant attention. Based upon the interaction factor calculated for each, the following priorities for research, regulation, and/or funding are recommended:

Pot Fisheries

Maine, Massachusetts, and Rhode Island Inshore Lobster
Florida West Coast Spiny Lobster
Maryland, North Carolina, and Virginia Blue Crab

Line Fisheries

Alaska Halibut Longline
Guam Rockfish Longline
Alaska Groundfish Longline

Gillnet Fisheries

North Carolina Other Gillnet
Massachusetts Other Gillnet
California Halibut Gillnet

Trawl Fisheries

Louisiana Shrimp Trawl
Texas Shrimp Trawl
Florida West Coast Shrimp Trawl

The reader is reminded that only within-gear type comparisons of lost gear interaction factors are legitimate. Across-gear type comparisons are not legitimate because a unit of lost gear fishing time within one gear type (e.g. gillnet) is not equivalent to a unit of fishing time in another gear type (e.g. pots). Moreover, conversion values which would equate one gear to another are unknown.

Education Program

During the course of interviewing many fishermen and management agency personnel, many were surprised to learn of the potential gear loss effort and effects associated with fishery/gear categories in which they were involved. An education program targeted at fishermen and fishery managers would help to bring attention to lost gear. Fishermen should be advised of ways they can help to reduce lost gear, regulations they are required to follow to mitigate the effect of lost gear, such as degradable escape panels on pots and traps, and a format contact point for recording lost gear information. Fishery managers should be educated about lost gear so they can factor it into management decisions and regulations. A fact sheet on the quantity of lost gear and its effects provided to each of the regional fishery management councils would inform them of the problem.

Research on Equipment Materials

Many fishermen expressed the opinion that much of their lost gear could be reduced if stronger construction materials were available with the same properties of their current equipment. Such materials may exist but have

not been tested or adapted to the fishing industry. Research into the use of newer, stronger, synthetic fibers for trawl web and float and anchor lines may reduce the loss of gear in some fishery/gear categories.

Examination of Fishery Management Policies

An examination of fishery management in relation to reducing lost gear would be useful. Fishermen continued to express concern that gear conflict often resulted in gear loss. For example, trawl fisheries for shrimp and groundfish routinely occur in the same areas as pot and longline fisheries. The interaction of these conflicting gear types results in lost gear. Time/area allocations of fishery resources by management agencies may reduce conflicting gear caused losses. Some fishermen reported that derby style fishery openings, in which a large amount of effort is applied to a limited resource in a very short period of time, may result in fishermen actually setting more gear than they can retrieve and high-grading or selecting only that gear with the suspected highest catch rates. The other gear is often left behind after the opening closure because it is illegal to retrieve the gear out of season. Such practices should be addressed by management agencies.

Review of Fishery Regulations

Fishery regulations are in place in most areas to prevent gear loss and reduce the effect of lost gear on the environment. In many cases, both state and federal regulations control the size and strength of gear components, time and area of fishing, and practices required to mitigate the effectiveness of gear once it is lost. However, based on interviews with fishermen and management or enforcement agencies, it is apparent that in fisheries/areas, important regulations, such as biodegradable mesh requirements, are not in place,⁵¹ are not enforced if in place, or if enforced carry low penalties which do not encourage compliance. Federal agencies including the NMFS and U.S. Coast Guard should have authority to enforce state and regional regulations relating to lost gear to increase compliance. One example is that some pot fisheries in the U.S. have no regulations for degradable escape mechanisms or the required materials do not degrade rapidly enough. A more unified set of regulations within and among regions could result in improved compliance and reduced gear loss rates.

END NOTES

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- ² Ibid.
- ³ Ibid.
- ⁴ E. Jacobsen, Crab Fishermen, Personal Communication.
- ⁵ Carr, A. , and D. A. Wolfe (eds.), 1987. Impact of Nondegradable Marine Debris on the Ecology and Survival of Sea Turtles. Mar. Pollut. Bull. Vol. 18, No. 6b, pp. 352-356.
- ⁶ Memorandum to the file from Mark F. Godcharles, NMFS Southeast Regional Office, Recovery of abandoned drift gillnet off Forth Pierce, FL. April 6, 1988.
- ⁷ Bishop, James M., 1983. Incidental Capture of Diamondback Terrapin by Crab Pots. Estuaries Vol. 6, No. 4, pp. 426-430.
- ⁸ Personal Communication, A. Carr, April 27, 1990.
- ⁹ Status of the Fishery Resources Off the Northeastern United States for 1989. U.S. Dept. Comm., NOAA, NMFS, Conservation and Utilization Division Northeast Fisheries Center, Woods Hole, Ma. Dec. 1989, 110 p.
- ¹⁰ Ibid.
- ¹¹ Boating Statistics 1988. U.S. Dept. of Trans., U.S. Coast Guard, June 1989. COMPTPUB P16754.1, p. 35.
- ¹² New England Fishery Management Council. 1985. Fishery Management Plan, Environmental Impact Statement, and Initial Regulatory Flexibility Analysis for the Northeast Multispecies Fishery, p 7-42.
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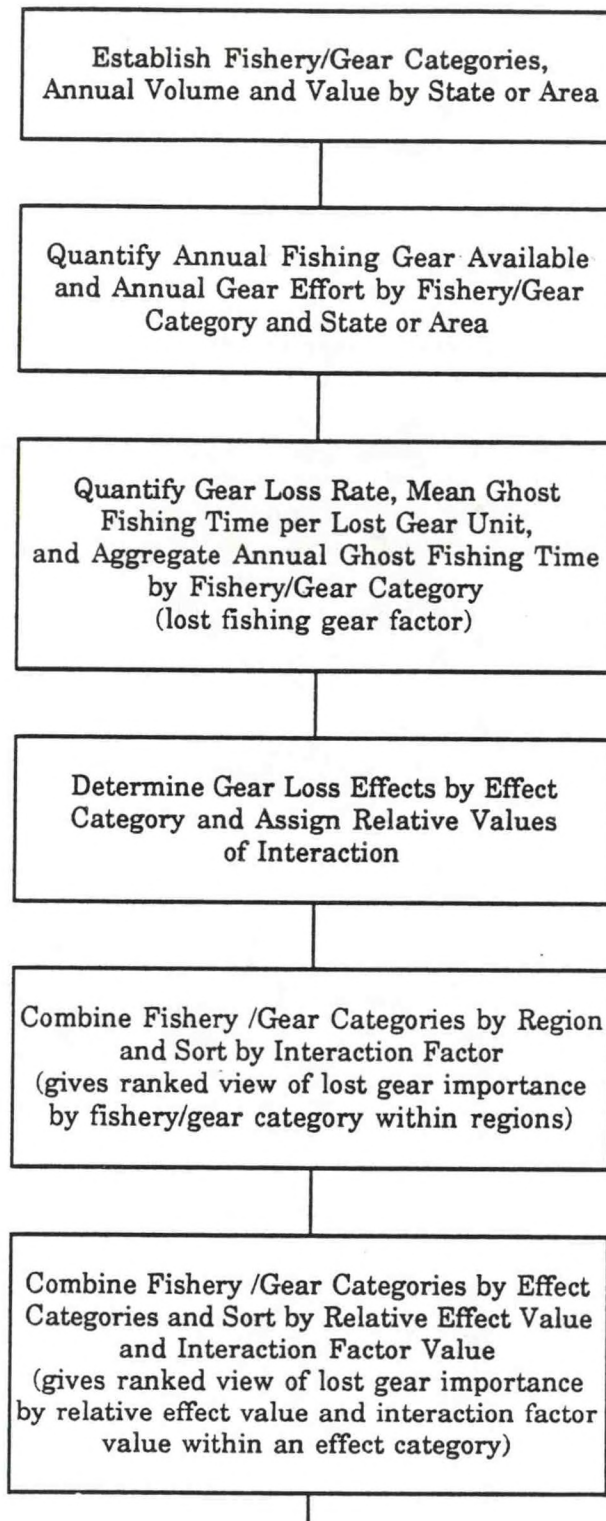


Figure 1. Flow chart of methodology to determine rank of gear loss effects by fishery/gear categories for U.S. fisheries in the marine and Great Lakes environments.

Figure 2. Selected Regional Pot Fisheries Ranked by Descending Regional Lost Gear Interaction Factor

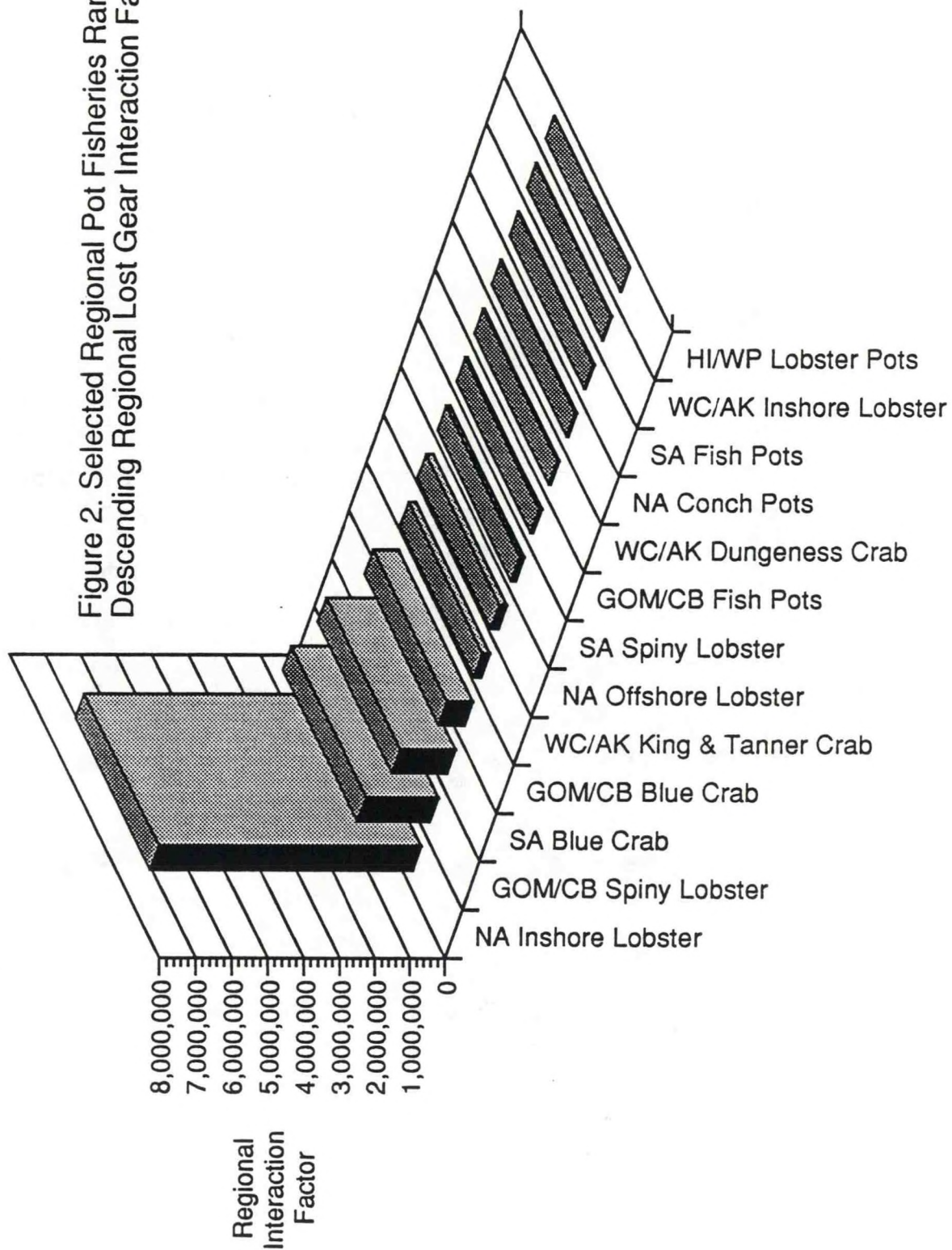


Figure 3. Selected Regional Line Fisheries Ranked by Descending Regional Lost Gear Interaction Factor

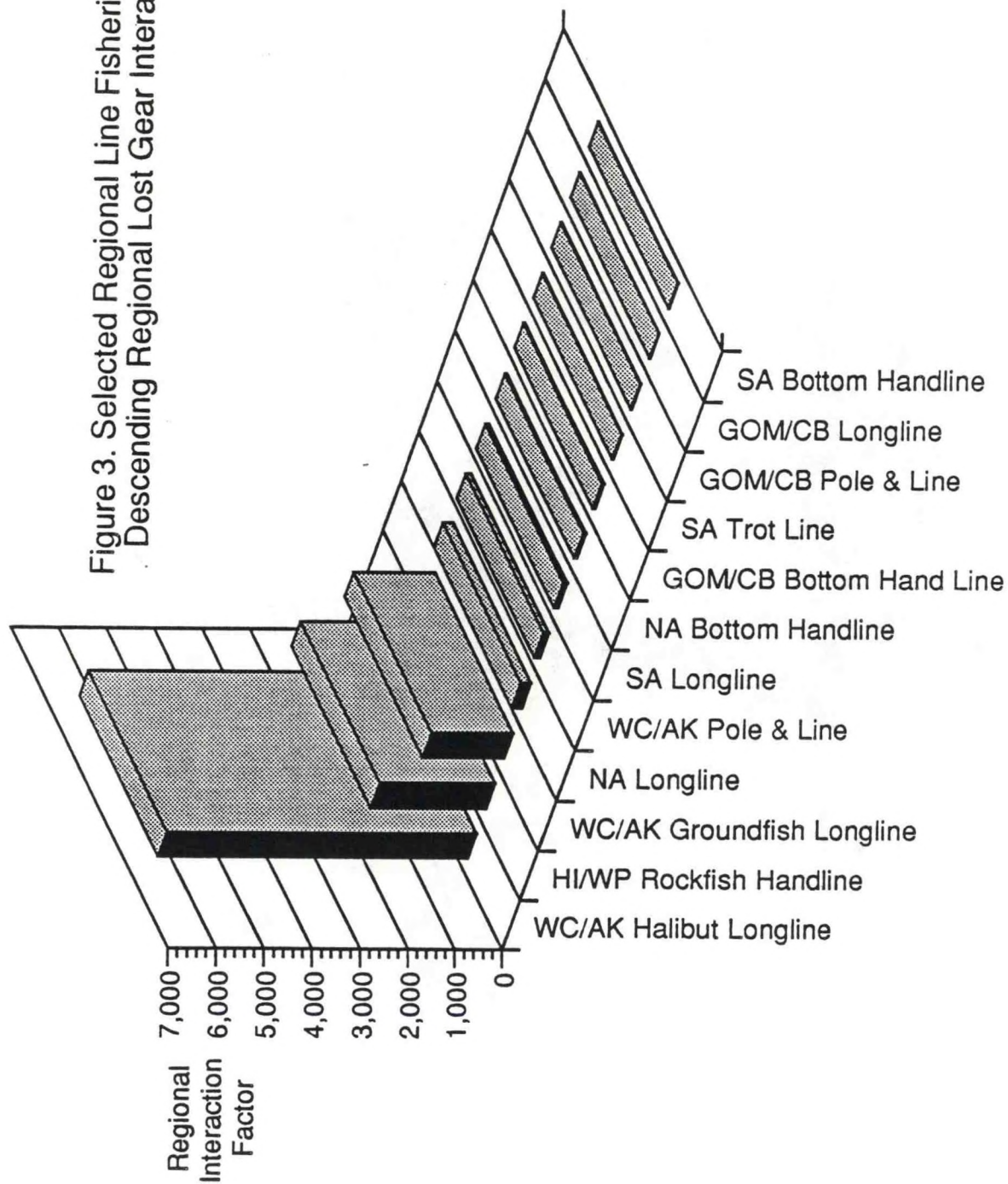


Figure 4. Selected Regional Gillnet Fisheries Ranked by Descending Regional Lost Gear Interaction Factor

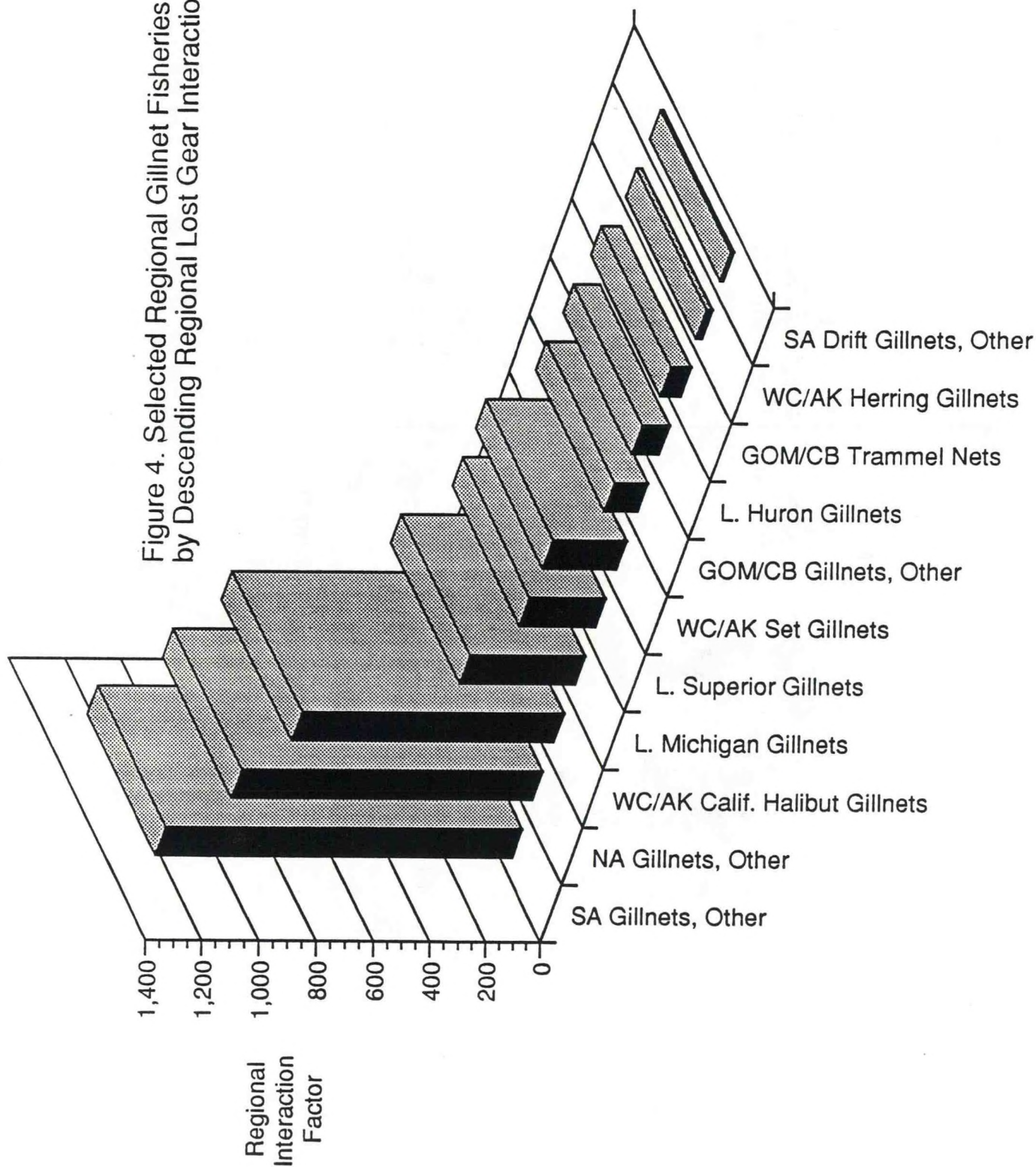


Figure 5. Selected Regional Trawl Fisheries Ranked by Descending Regional Lost Gear Interaction Factor

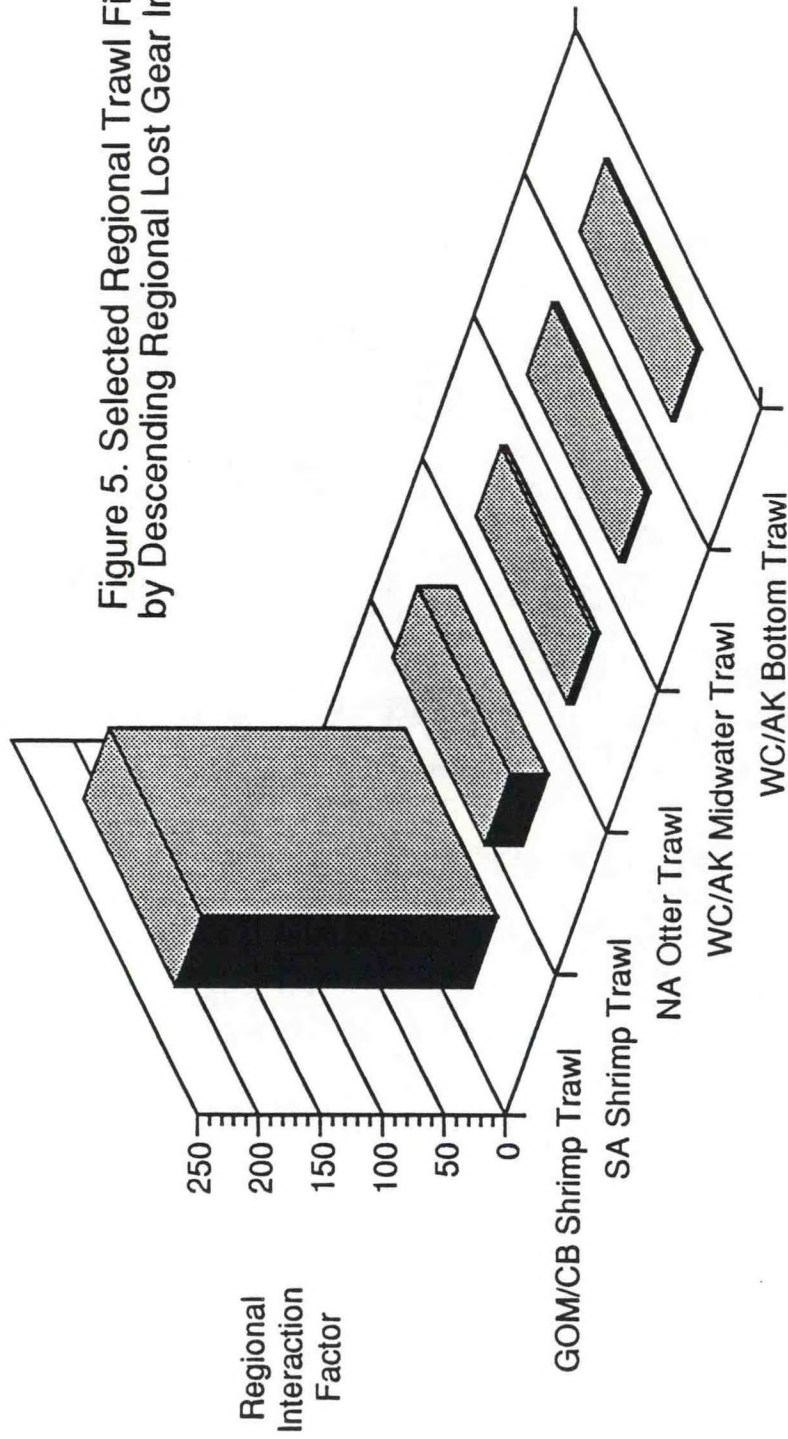


Table 1A. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Regional Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEARLOST PERYEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
ME	Pots and Traps, Lobster Inshore	22,438,000	\$54,520,468	1,787,795	25.00%	171,028,320	12	5,363,385	7,329,261	11	31	11	11	21	11	11	11
MA	Pots and Traps, Lobster Inshore	11,340,200	\$30,299,760	222,531	25.00%	21,362,976	12	667,593	7,329,261	11	31	11	11	21	11	11	11
RI	Pots and Traps, Lobster Inshore	2,513,200	\$7,573,760	216,925	25.00%	20,824,800	12	650,775	7,329,261	11	31	11	11	21	11	11	11
NY	Pots and Traps, Lobster Inshore	666,890	\$1,828,236	87,200	25.00%	8,371,200	12	261,600	7,329,261	11	31	11	11	21	11	11	11
NY	Pots and Traps, Lobster Inshore	953,800	\$2,922,781	77,735	25.00%	7,462,560	12	233,205	7,329,261	11	31	11	11	21	11	11	11
CT	Pots and Traps, Lobster Inshore	NA	NA	41,166	25.00%	3,951,936	12	123,498	7,329,261	31	31	11	11	21	11	11	11
NJ	Pots and Traps, Lobster Inshore	1,613,100	\$3,951,726	9,600	25.00%	921,800	12	28,800	7,329,261	11	31	11	11	21	11	11	11
DE	Pots and Traps, Lobster Inshore	400	\$1,514	135	25.00%	16,200	12	405	7,329,261	31	31	11	11	21	11	11	11
ME	Pots and Traps, Lobster Offshore	175,600	\$633,244	NA	25.00%	NA	NA	NA	204,975	11	31	11	11	21	11	11	11
RI	Pots and Traps, Lobster Offshore	3,762,600	\$10,329,811	26,400	25.00%	2,534,400	12	79,200	204,975	11	31	11	11	21	11	11	11
MA	Pots and Traps, Lobster Offshore	3,403,000	\$9,943,681	17,200	25.00%	1,651,200	12	51,600	204,975	11	31	11	11	21	11	11	11
NY	Pots and Traps, Lobster Offshore	271,400	\$855,585	8,800	25.00%	844,800	12	26,400	204,975	11	31	11	11	21	11	11	11
CT	Pots and Traps, Lobster Offshore	NA	NA	6,000	25.00%	576,000	12	18,000	204,975	11	31	11	11	21	11	11	11
NJ	Pots and Traps, Lobster Offshore	158,000	\$412,720	4,725	25.00%	453,600	12	14,175	204,975	11	31	11	11	21	11	11	11
DE	Pots and Traps, Lobster Offshore	81,200	\$331,296	3,600	25.00%	648,000	12	10,800	204,975	11	31	11	11	21	11	11	11
NY	Pots and Traps, Conch	778,300	\$1,810,730	1,600	25.00%	153,600	12	4,800	204,975	11	31	11	11	21	11	11	11
RI	Pots and Traps, Conch	146,300	\$158,834	7,450	25.00%	715,200	12	22,350	37,803	11	31	11	11	21	11	11	11
MA	Pots and Traps, Conch	201,100	\$425,084	4,175	25.00%	400,800	12	12,525	37,803	11	31	11	11	21	11	11	11
MA	Pots and Traps, Conch	593,800	\$700,300	920	25.00%	77,280	12	2,760	37,803	11	31	11	11	21	11	11	11
CT	Pots and Traps, Conch	24,400	\$35,678	70	20.00%	6,720	12	168	37,803	11	31	11	11	21	11	11	11
NJ	Pots and Traps, Crab Blue	2,014,700	\$1,068,628	9,450	10.00%	1,913,625	12	11,340	19,679	31	31	11	11	21	11	11	11
DE	Pots and Traps, Crab Blue	301,255	\$177,315	5734	10.00%	1,161,135	12	6,881	19,679	31	31	11	11	21	11	11	11
CT	Pots and Traps, Crab Blue	3,145,200	\$1,019,212	11,850	1.00%	2,399,625	12	1,422	19,679	31	31	11	11	21	11	11	11
ME	Pots and Traps, Crab Other	456,700	\$94,955	11,320	10.00%	1,358,400	12	36	19,679	31	31	11	11	21	11	11	11
NY	Pots and Traps, Crab Other	40,000	\$15,200	2,900	10.00%	278,400	12	13,584	19,358	11	31	11	11	21	11	11	11
MA	Pots and Traps, Crab Other	4,620,000	\$2,553,284	1,860	10.00%	178,560	12	3,480	19,358	11	31	11	11	21	11	11	11
CT	Pots and Traps, Crab Other	300	\$64	52	10.00%	4,680	12	2,232	19,358	11	31	11	11	21	11	11	11
ME	Pots and Traps, Shrimp	374,100	\$422,167	10,620	10.00%	1,115,100	12	12,744	19,358	31	31	11	11	21	11	11	11
RI	Pots and Traps, Fish	13,100	\$25,888	NA	NA	NA	NA	NA	11,102	11	31	11	11	21	11	11	11
NJ	Pots and Traps, Fish	344,400	\$221,278	7,960	10.00%	2,179,050	12	9,552	11,102	11	31	11	11	21	11	11	11
MA	Pots and Traps, Fish	402,900	\$443,768	1,000	10.00%	120,450	12	1,200	11,102	11	31	11	11	21	11	11	11
DE	Pots and Traps, Fish	198,800	\$200,165	1,805	1.00%	168,525	12	193	11,102	11	31	11	11	21	11	11	11
CT	Pots and Traps, Fish	490,200	\$395,748	1310	1.00%	125,760	12	157	11,102	11	31	11	11	21	11	11	11
NJ	Pots and Traps, Eel	184,100	\$219,709	2,010	10.00%	550,238	12	2,412	6,059	11	31	11	11	21	11	11	11
NY	Pots and Traps, Eel	60,800	\$89,948	1,400	10.00%	383,250	12	1,680	6,059	11	31	11	11	21	11	11	11
MA	Pots and Traps, Eel	20,800	\$19,937	1,230	10.00%	147,600	12	1,476	6,059	11	31	11	11	21	11	11	11
DE	Pots and Traps, Eel	95,400	\$2,261	280	10.00%	76,850	12	336	6,059	11	31	11	11	21	11	11	11
CT	Pots and Traps, Eel	11,900	\$106,400	1055	1.00%	11,078	12	127	6,059	11	31	11	11	21	11	11	11
MA	Gill Nets, Other	18,375,100	\$8,724,671	8,179	1.00%	2,239,001	12	981	1,066	11	31	11	11	21	11	11	11
NY	Gill Nets, Other	1,431,785	\$552,779	346	1.00%	94,718	12	42	1,066	11	31	11	11	21	11	11	11
DE	Gill Nets, Other	629,100	\$192,399	188	1.00%	51,485	12	23	1,066	11	31	11	11	21	11	11	11
RI	Gill Nets, Other	676,000	\$444,489	74	1.00%	20,258	12	9	1,066	11	31	11	11	21	11	11	11
ME	Gill Nets, Other	13,273,700	\$5,898,129	51	1.00%	13,961	12	6	1,066	11	31	11	11	21	11	11	11
NJ	Gill Nets, Other	3,669,800	\$1,831,255	36	1.00%	9,855	12	4	1,066	11	31	11	11	21	11	11	11
NY	Gill Nets, Other	587,100	\$145,409	69	0.10%	18,889	12	1	1,066	11	31	11	11	21	11	11	11
CT	Gill Nets, Other	41,050	\$24,025	6	1.00%	1,643	12	1	1,066	11	31	11	11	21	11	11	11
MA	Lines Long Set w/Hooks Top Waters	7,462,000	\$12,682,773	29,342	0.10%	8,032,373	6	176	218	11	31	11	11	21	11	11	11
NY	Lines Long Set w/Hooks Top Waters	6,101,200	\$8,936,296	6321	0.10%	1,730,374	6	38	218	11	31	11	11	21	11	11	11
NJ	Lines Long Set w/Hooks Top Waters	3,580,800	\$7,236,463	704	0.10%	192,720	6	4	218	11	31	11	11	21	11	11	11
ME	Lines Long Set w/Hooks Top Waters	952,900	\$1,534,470	42	0.10%	11,498	6	0	218	11	31	11	11	21	11	11	11
NH	Lines Long Set w/Hooks Top Waters	3,800	\$2,282	3	0.10%	821	6	0	218	11	31	11	11	21	11	11	11
RI	Lines Long Set w/Hooks Top Waters	368,200	\$578,326	20	0.10%	5,475	6	0	218	11	31	11	11	21	11	11	11
CT	Lines Hand, Other Fishing Bottom	NA	NA	51	0.10%	13,961	6	NA	47	31	41	31	41	21	21	21	21

Table 1A. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Regional Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
DE	Lines Hand, Other Fishing Bottom	44,700	\$33,679	76	0.10%	20,805	6	NA	47	31	31	31	41	21	21	21
MA	Lines Hand, Other Fishing Bottom	2,090,200	\$4,440,109	4,363	0.10%	1,184,371	6	26	47	31	31	31	41	21	21	21
NY	Lines Hand, Other Fishing Bottom	1,726,400	\$2,295,462	3260	0.10%	892,425	6	20	47	31	31	31	41	21	21	21
NJ	Lines Hand, Other Fishing Bottom	180,900	\$229,376	221	0.10%	60,499	6	1	47	31	31	31	41	21	21	21
NE	Lines Hand, Other Fishing Bottom	196,000	\$188,386	49	0.10%	13,414	6	0	47	31	31	31	41	21	21	21
NH	Lines Hand, Other Fishing Bottom	27,900	\$89,239	20	0.10%	5,475	6	0	47	31	31	31	41	21	21	21
RI	Lines Hand, Other Fishing Bottom	248,700	\$490,637	23	0.10%	6,296	6	0	47	31	31	31	41	21	21	21
MA	Lines Trawl, Other Top Waters	122,500	\$53,767	920	0.10%	251,850	6	6	10	31	31	31	41	21	21	21
RI	Lines Trawl, Other Top Waters	151,500	\$111,879	800	0.10%	219,000	6	5	10	31	31	31	41	21	21	21
MA	Lines Trawl, Other Top Waters	5,800	\$1,746	12	0.10%	3,285	6	0	10	31	31	31	41	21	21	21
NJ	Other Trawl Bottom, Fish	130,247,500	\$102,053,345	470	2.70%	771,975	0.25	3	5	41	41	41	41	41	41	41
CT	Other Trawl Bottom, Fish	4,232,800	\$3,722,436	81	5.00%	110,869	0.25	1	5	41	41	41	41	41	41	41
ME	Other Trawl Bottom, Fish	45,034,100	\$32,202,825	88	2.70%	144,540	0.25	1	5	41	41	41	41	41	41	41
RI	Other Trawl Bottom, Fish	67,915,900	\$36,017,827	81	2.70%	133,043	0.25	1	5	41	41	41	41	41	41	41
NH	Other Trawl Bottom, Fish	2,946,200	\$2,159,381	40	2.70%	65,700	0.25	0	5	41	41	41	41	41	41	41
NJ	Other Trawl Bottom, Fish	35,442,800	\$14,204,277	70	2.70%	114,975	0.25	0	5	41	41	41	41	41	41	41
NY	Other Trawl Bottom, Fish	21,919,100	\$15,534,360	74	2.70%	121,545	0.25	0	5	41	41	41	41	41	41	41
ME	Other Trawl Bottom, Shrimp	9,432,200	\$9,860,198	143	2.70%	77,220	0.25	1	1	41	41	41	41	41	41	41
MA	Other Trawl Bottom, Shrimp	4,014,000	\$3,366,813	76	2.70%	61,560	0.25	1	1	41	41	41	41	41	41	41
NH	Other Trawl Bottom, Shrimp	498,200	\$488,653	7	2.70%	5,670	0.25	0	1	41	41	41	41	41	41	41
DE	Gill Nets, Stake	Confidential	Confidential	6	1.00%	1,843	12	1	1	11	31	11	21	11	11	21
ME	Bag Nets	4,500	\$2,522	NA	NA	NA	NA	NA	0	31	31	31	41	21	21	21
CT	Dip Nets, Common	900	\$275	2	0.01%	548	0.25	0	0	41	41	41	41	41	41	41
ME	Dip Nets, Common	792,000	\$58,417	47	0.01%	12,866	1	0	0	41	41	41	41	41	41	41
MA	Dip Nets, Common	38,200	\$86,973	55	0.01%	15,056	1	0	0	41	41	41	41	41	41	41
NH	Dip Nets, Common	15,550	\$2,984	14	0.01%	3,833	1	0	0	41	41	41	41	41	41	41
ME	Diving Outfits, Other	707,600	\$226,234	273	0.01%	74,734	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Clam	25,900	\$80,246	14	0.01%	3,833	0	0	0	41	41	41	41	41	41	41
ME	Dredges, Clam	1,220,200	\$2,839,894	91	0.10%	24,911	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Clam	4,140,600	\$3,276,146	115	0.10%	31,481	0	0	0	41	41	41	41	41	41	41
NH	Dredges, Clam	8,260	\$20,630	2	0.10%	548	0	0	0	41	41	41	41	41	41	41
NJ	Dredges, Clam	60,236,700	\$23,516,697	115	0.10%	31,481	0	0	0	41	41	41	41	41	41	41
NY	Dredges, Clam	3,560,800	\$5,133,548	124	0.10%	33,945	0	0	0	41	41	41	41	41	41	41
RI	Dredges, Clam	3,166,800	\$1,381,819	30	0.10%	8,213	0	0	0	41	41	41	41	41	41	41
CT	Dredges, Clam	316,020	\$310,457	9	0.10%	2,464	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Clam, Hydraulic	432,400	\$203,480	2	0.10%	548	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Crab	26,000	\$100,000	NA	0.10%	NA	0	0	0	41	41	41	41	41	41	41
NJ	Dredges, Crab	926,200	\$448,849	116	0.10%	9,135	0	0	0	41	41	41	41	41	41	41
NY	Dredges, Crab	6,600	\$4,980	31	0.10%	8,486	0	0	0	41	41	41	41	41	41	41
DE	Dredges, Mussel	771,700	\$197,558	20	0.10%	1,575	0	0	0	41	41	41	41	41	41	41
ME	Dredges, Mussel	5,784,300	\$1,927,894	105	0.10%	28,744	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Mussel	2,105,600	\$1,271,924	168	0.10%	45,990	0	0	0	41	41	41	41	41	41	41
NH	Dredges, Mussel	32,000	\$14,400	3	0.10%	821	0	0	0	41	41	41	41	41	41	41
ME	Dredges, Other	147,800	\$111,820	11	0.10%	3,011	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Oyster Common	257,600	\$226,050	45	0.10%	12,319	0	0	0	41	41	41	41	41	41	41
NY	Dredges, Oyster Common	26,900	\$201,131	64	0.10%	17,520	0	0	0	41	41	41	41	41	41	41
NJ	Dredges, Oyster Common	14,500	\$61,374	12	0.10%	3,285	0	0	0	41	41	41	41	41	41	41
NY	Dredges, Oyster Common	133,800	\$834,286	17	0.10%	4,854	0	0	0	41	41	41	41	41	41	41
CT	Dredges, Oyster Common	536,854	\$3,895,292	34	0.10%	9,308	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Scallop, Bay	328,000	\$2,725,101	2,804	0.10%	767,595	0	0	0	41	41	41	41	41	41	41
NY	Dredges, Scallop, Bay	1,000	\$3,142	30	0.10%	8,213	0	0	0	41	41	41	41	41	41	41
ME	Dredges, Scallop, Sea	1,866,600	\$6,046,237	302	0.10%	82,673	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Scallop, Sea	21,003,300	\$76,290,926	264	0.10%	72,270	0	0	0	41	41	41	41	41	41	41
NJ	Dredges, Scallop, Sea	3,750,500	\$13,053,888	100	0.10%	27,375	0	0	0	41	41	41	41	41	41	41
NY	Dredges, Scallop, Sea	49,200	\$205,716	27	0.10%	7,391	0	0	0	41	41	41	41	41	41	41

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STATE	GEARNAME	1987 ROUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
RI	Dredges, Scallop, Sea	1,125,600	\$1,782,850	30	0.10%	8,213	0	0	0	0	41	41	41	41	41	41	41
CT	Dredges, Scallop, Sea	130,000	\$520,000	5	0.10%	1,369	0	0	0	0	41	41	41	41	41	21	21
ME	Floating traps(Shallow)	84,000	\$27,066	2	0.10%	315	0.5	0	0	0	31	31	11	21	21	21	21
MA	Floating traps(Shallow)	78,300	\$19,327	3	0.10%	821	0.5	0	0	0	31	31	41	21	21	21	21
RI	Floating traps(Shallow)	2,869,600	\$714,553	22	0.10%	6,023	0.5	0	0	0	31	31	11	41	21	21	41
DE	Fyke and Hoop Nets, Fish	4,700	\$2,122	12	0.10%	3,285	0.5	0	0	0	41	31	31	21	21	21	21
CT	Fyke and Hoop Nets, Fish	4,500	\$1,118	5	0.10%	1,369	0.5	0	0	0	41	31	11	21	21	21	21
NJ	Fyke and Hoop Nets, Fish	44,300	\$37,568	95	0.10%	26,006	0.5	0	0	0	41	31	11	41	21	21	41
NH	Fyke and Hoop Nets, Fish	102,800	\$111,015	74	0.10%	20,258	0.5	0	0	0	41	31	11	41	21	21	41
RI	Fyke and Hoop Nets, Fish	8,600	\$10,681	14	0.10%	3,833	0.5	0	0	0	31	31	11	41	21	21	41
NH	Gill Nets, Drift, Other	48,100	\$178,647	NA	1.00%	NA	NA	NA	0	0	11	31	11	21	21	21	21
CT	Gill Nets, Drift, Other	136,600	\$271,945	83	1.00%	22,721	0.25	0	0	0	11	31	11	21	21	21	21
DE	Gill Nets, Drift, Other	776,300	\$361,476	82	1.00%	8,610	0.25	0	0	0	11	31	11	21	11	21	21
MA	Gill Nets, Drift, Other	173,700	\$112,091	7	1.00%	1,916	0.25	0	0	0	11	31	11	21	11	21	41
NJ	Gill Nets, Drift, Other	694,900	\$174,813	32	1.00%	8,760	0.25	0	0	0	11	31	11	21	11	21	41
RI	Gill Nets, Drift, Other	10,400	\$35,469	1	1.00%	274	0.25	0	0	0	11	31	11	21	11	21	41
MA	Gill Nets, Drift, Runaround	115,900	\$12,356	1	0.10%	274	0.25	0	0	0	11	31	11	21	11	21	41
NJ	Gill Nets, Drift, Runaround	1,909,000	\$739,420	14	0.10%	3,833	0.25	0	0	0	11	31	11	21	21	21	41
NH	Gill Nets, Drift, Runaround	4,700	\$1,281	2	0.10%	548	0.25	0	0	0	11	31	11	21	21	21	41
CT	Gill Nets, Drift, Shad	333,900	\$233,730	14	1.00%	3,833	0.25	0	0	0	11	31	11	21	11	21	21
NH	Gill Nets, Drift, Shad	148,557	\$32,900	40	1.00%	10,950	0.25	0	0	0	11	31	11	21	11	21	21
ME	Harpoons, Other	79,000	\$320,107	63	NA	NA	0	0	0	0	0	41	41	41	41	41	41
MA	Harpoons, Other	171,200	\$906,398	NA	NA	NA	0	0	0	0	0	41	41	41	41	41	41
NH	Harpoons, Other	600	\$3,840	19	NA	NA	0	0	0	0	0	41	41	41	41	41	41
RI	Harpoons, Swordfish	29,300	\$102,208	NA	NA	NA	0	0	0	0	0	41	41	41	41	41	41
MA	Harpoons, Swordfish	39,100	\$167,680	6	NA	NA	0	0	0	0	0	41	41	41	41	41	41
RI	Harpoons, Swordfish	26,100	\$118,021	3	NA	NA	0	0	0	0	0	41	41	41	41	41	41
CT	Haul Seines, Beach	NA	NA	11	0.10%	3,011	1	0	0	0	0	41	41	41	41	41	41
MA	Haul Seines, Beach	13,500	\$4,450	2	0.01%	548	0.25	0	0	0	0	41	41	41	21	21	41
NJ	Haul Seines, Beach	32,200	\$19,061	3	0.01%	821	0.25	0	0	0	0	41	41	41	41	41	41
NH	Haul Seines, Beach	293,250	\$195,462	12	0.10%	3,285	0.25	0	0	0	0	41	41	41	41	41	41
MA	Haul Seines, Long(Danish)	771,500	\$539,291	8	0.10%	2,190	1	0	0	0	0	31	31	11	41	21	21
ME	Hoes	3,737,400	\$11,588,892	4,203	NA	NA	0	0	0	0	0	41	41	41	41	41	41
MA	Hoes	447,800	\$1,678,045	302	0.01%	82,673	0	0	0	0	0	41	41	41	41	41	41
NJ	Hoes	50,500	\$111,122	30	0.01%	8,213	0	0	0	0	0	41	41	41	41	41	41
RI	Hoes	11,800	\$48,605	35	0.01%	9,581	0	0	0	0	0	41	41	41	41	41	41
MA	Lines Troll, Tuna	400	\$577	NA	0.10%	NA	6	NA	0	0	0	31	31	11	41	21	21
NJ	Lines Troll, Tuna	11,300	\$15,486	16	0.10%	4,380	6	NA	0	0	0	31	31	11	41	21	21
RI	Lines Troll, Tuna	416,700	\$543,279	7	0.10%	1,916	6	NA	0	0	0	31	31	11	41	21	21
CT	Other Trawl Bottom, Lobster	37,352	\$126,998	11	5.00%	3,011	0.25	0	0	0	0	41	41	41	21	21	21
MA	Other Trawl Bottom, Lobster	141,300	\$383,056	2	2.70%	3,285	0.25	0	0	0	0	41	41	41	41	21	21
NH	Other Trawl Bottom, Lobster	48,300	\$73,375	2	2.70%	2,160	0.25	0	0	0	0	41	41	41	41	21	21
NJ	Other Trawl Bottom, Scallop	172,600	\$636,459	13	2.70%	21,353	0.25	0	0	0	0	41	41	41	41	21	21
NH	Other Trawl Bottom, Scallop	66,000	\$218,894	3	2.70%	4,928	0.25	0	0	0	0	41	41	41	41	21	21
ME	Other Trawl Midwater	1,093,400	\$373,135	NA	0.01%	NA	0	NA	0	0	0	41	41	41	41	21	21
RI	Other Trawl Midwater	21,900	\$29,367	1	0.10%	1,643	0.25	0	0	0	0	41	41	41	41	21	21
RI	Pots and Traps, Other	100	\$144	NA	NA	NA	0	NA	0	0	0	41	41	41	41	21	21
CT	Pound Nets, Fish	12,800	\$4,577	1	0.10%	274	0.5	0	0	0	11	31	11	21	21	21	21
MA	Pound Nets, Fish	1,830,500	\$1,034,936	15	0.10%	4,106	0.5	0	0	0	11	31	11	21	21	21	21
NJ	Pound Nets, Fish	2,032,400	\$296,752	2	0.10%	548	0.5	0	0	0	11	31	11	21	21	21	21
NH	Pound Nets, Fish	743,800	\$395,606	70	0.10%	19,163	0.5	0	0	0	11	31	11	21	21	21	21
MA	Purse Seines, Herring	Confidential	Confidential	3	0.10%	1,643	0.25	0	0	0	0	41	41	41	41	21	21
ME	Purse Seines, Herring	41,743,000	\$2,324,427	100	0.10%	31,500	0.25	0	0	0	0	41	41	41	41	21	21
MA	Purse Seines, Herring	38,758,400	\$1,760,669	11	0.10%	6,023	0.25	0	0	0	0	41	41	41	41	21	21
RI	Purse Seines, Herring	4,300	\$642	1	0.10%	274	0.25	0	0	0	0	41	41	41	41	21	21

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ME	Purse Seines, Mackerel	13,300	\$6,266	2	0.10%	630	0.25	0	0	0	41	41	41	41	21	41	21
MA	Purse Seines, Menhaden	1,213,400	\$36,509	NA	0.10%	NA	0.25	NA	NA	0	41	41	41	41	21	41	41
RI	Purse Seines, Menhaden	16,499,900	\$794,994	NA	NA	NA	NA	NA	NA	0	41	41	41	41	21	41	41
ME	Purse Seines, Menhaden	18,668,600	\$347,500	2	0.10%	630	0.25	0	0	0	41	41	41	41	21	41	41
NJ	Purse Seines, Menhaden	664,600	\$46,445	1	0.10%	360	0.25	0	0	0	41	41	41	41	21	41	41
ME	Purse Seines, Other	200	\$23	NA	0.10%	NA	NA	NA	NA	0	41	41	41	41	21	41	41
MA	Purse Seines, Tuna	760,900	\$5,284,257	NA	0.10%	NA	0.25	NA	NA	0	41	41	41	41	21	41	41
RI	Purse Seines, Tuna	58,100	\$311,368	NA	0.10%	NA	NA	NA	NA	0	41	41	41	41	21	41	41
NJ	Purse Seines, Tuna	11,000	\$8,259	1	0.10%	548	0.25	NA	NA	0	41	41	41	41	21	41	41
CT	Rakes, Other	12,500	\$56,250	NA	0.01%	NA	NA	NA	NA	0	41	41	41	41	21	41	41
ME	Rakes, Other	2,200	\$436	146	0.01%	39,968	0	0	0	0	41	41	41	41	21	41	41
MA	Rakes, Other	1,339,300	\$5,591,115	1,088	0.01%	297,840	0	0	0	0	41	41	41	41	21	41	41
NJ	Rakes, Other	826,000	\$3,230,947	729	0.01%	199,564	0	0	0	0	41	41	41	41	21	41	41
NF	Rakes, Other	1,041,900	\$5,888,896	1537	0.01%	420,754	0	0	0	0	41	41	41	41	21	41	41
RI	Rakes, Other	3,350,600	\$15,630,085	2,717	0.01%	743,779	0	0	0	0	41	41	41	41	21	41	41
DE	Rakes, Other	7,300	\$21,146	33	0.01%	9,034	0	0	0	0	41	41	41	41	21	41	41
MA	Rakes, Oyster	25,100	\$270,858	130	0.01%	35,588	0	0	0	0	41	41	41	41	21	41	41
RI	Rakes, Oyster	1,800	\$8,441	21	0.01%	5,749	0	0	0	0	41	41	41	41	21	41	41
ME	Scottish Seine	448,900	\$402,901	12	0.10%	3,285	0.25	0	0	0	41	41	41	41	21	41	41
MA	Scottish Seine	72,700	\$32,247	1	0.10%	274	0.25	0	0	0	41	41	41	41	21	41	41
CT	Shore(From the Beach Bayside)	494,873	\$1,684,387	NA	0.01%	NA	NA	NA	NA	0	41	41	41	41	21	41	41
MA	Spears	3,500	\$4,170	9	0.01%	2,464	0	0	0	0	41	41	41	41	21	41	41
NF	Spears	500	\$762	20	0.01%	5,475	0	0	0	0	41	41	41	41	21	41	41
CT	Spears	500	\$547	1	0.01%	274	0	0	0	0	41	41	41	41	21	41	41
ME	Stop Seines	2,700,300	\$186,784	20	0.10%	5,475	0.25	0	0	0	41	41	41	41	21	41	41
MA	Tongs & Grabs, Other	45,400	\$191,124	71	0.01%	19,436	0	0	0	0	41	41	41	41	21	41	41
NJ	Tongs & Grabs, Other	140,100	\$524,598	205	0.01%	56,119	0	0	0	0	41	41	41	41	21	41	41
NF	Tongs & Grabs, Other	1,424,100	\$8,279,918	1024	0.01%	280,320	0	0	0	0	41	41	41	41	21	41	41
DE	Tongs & Grabs, Other	2,900	\$8,410	8	0.01%	2,190	0	0	0	0	41	41	41	41	21	41	41
MA	Tongs & Grabs, Oyster	10,200	\$91,172	82	0.01%	22,448	0	0	0	0	41	41	41	41	21	41	41
NJ	Tongs & Grabs, Oyster	100	\$690	1	0.01%	274	0	0	0	0	41	41	41	41	21	41	41
RI	Trawl Bottom, Paired	10,100	\$6,024	NA	NA	NA	NA	NA	NA	0	41	41	41	41	21	41	41
MA	Trawl Midwater, Paired	181,000	\$118,484	NA	NA	NA	NA	NA	NA	0	41	41	41	41	21	41	41
MA	Trawl Midwater, Paired	489,100	\$437,827	3	0.10%	4,928	0.25	0	0	0	41	41	41	41	21	41	41

Table 1B. Lost Gear Interaction Matrix for the North Atlantic Region
Primary Sort: Lost Gear Interaction Factor (Month/Year)

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
ME	Pots and Traps, Lobster Offshore	175,600	\$633,244	NA	25.00%	NA	NA	NA	NA	186,975	11	31	11	11	21	11	21
MA	Lines Trawl, Tuna	400	\$577	NA	0.10%	NA	6	NA	NA	18,000	31	31	11	41	21	21	21
RI	Pots and Traps, Fish	13,100	\$25,888	NA	NA	NA	NA	NA	NA	11,102	11	31	11	11	21	21	21
CT	Lines Hand, Other Fishing Bottom	NA	NA	51	0.10%	13,961	6	NA	NA	47	31	41	31	41	21	21	21
DE	Lines Hand, Other Fishing Bottom	44,700	\$33,879	76	0.10%	20,805	6	NA	NA	47	31	31	31	41	21	21	21
ME	Bag Nets	4,500	\$2,522	NA	NA	NA	NA	NA	NA	0	31	31	11	41	21	21	21
NY	Gill Nets, Drift, Other	48,100	\$178,647	NA	1.00%	NA	NA	NA	NA	0	11	31	11	21	21	21	21
ME	Other Trawl Midwater	1,093,400	\$373,135	NA	0.01%	NA	0	NA	NA	0	41	41	41	41	41	41	41
RI	Pots and Traps, Other	100	\$144	NA	NA	NA	0	NA	NA	0	41	41	41	41	41	41	41
MA	Purse Seines, Menhaden	1,213,400	\$36,509	NA	0.10%	NA	0.25	NA	NA	0	11	31	11	21	21	21	21
RI	Purse Seines, Menhaden	16,499,900	\$784,994	NA	0.10%	NA	0.25	NA	NA	0	41	41	41	41	41	41	41
ME	Purse Seines, Other	200	\$23	NA	0.10%	NA	0	NA	NA	0	41	41	41	41	41	41	41
MA	Purse Seines, Tuna	760,900	\$5,284,257	NA	0.10%	NA	0.25	NA	NA	0	41	41	41	41	41	41	41
RI	Purse Seines, Tuna	58,100	\$311,368	NA	0.10%	NA	0.25	NA	NA	0	41	41	41	41	41	41	41
CT	Rakes, Other	12,500	\$56,250	NA	0.01%	NA	NA	NA	NA	0	41	41	41	41	41	41	41
CT	Shore (From the Beach Bay Side)	494,873	\$1,684,387	NA	0.01%	NA	NA	NA	NA	0	41	41	41	41	41	41	41
NY	Trawl Bottom, Paired	10,100	\$6,024	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
RI	Trawl Midwater, Paired	161,000	\$118,484	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
ME	Pots and Traps, Lobster Inshore	22,438,000	\$54,520,468	1,787,795	25.00%	171,628,320	12	5,363,385	7,329,261	11	31	11	11	11	21	11	11
MA	Pots and Traps, Lobster Inshore	11,340,200	\$39,299,760	222,531	25.00%	21,362,976	12	667,593	7,329,261	11	31	11	11	11	21	11	11
RI	Pots and Traps, Lobster Inshore	2,513,200	\$1,573,763	216,925	25.00%	20,824,800	12	650,775	7,329,261	11	31	11	11	11	21	11	11
NH	Pots and Traps, Lobster Inshore	666,690	\$1,826,236	87,200	25.00%	8,371,200	12	261,600	7,329,261	11	31	11	11	11	21	11	11
NY	Pots and Traps, Lobster Inshore	953,800	\$2,922,781	777,35	25.00%	7,462,560	12	233,205	7,329,261	11	31	11	11	11	21	11	11
CT	Pots and Traps, Lobster Inshore	NA	NA	41,166	25.00%	3,951,936	12	123,498	7,329,261	11	31	11	11	11	21	11	11
RI	Pots and Traps, Lobster Offshore	3,762,600	\$10,328,811	26,400	25.00%	2,534,400	12	79,200	186,975	11	31	11	11	11	21	11	11
MA	Pots and Traps, Lobster Offshore	3,403,000	\$9,943,681	17,200	25.00%	1,651,200	12	51,600	186,975	11	31	11	11	11	21	11	11
NJ	Pots and Traps, Lobster Offshore	1,613,100	\$3,951,726	9,600	25.00%	921,600	12	28,800	7,329,261	11	31	11	11	11	21	11	11
NY	Pots and Traps, Lobster Offshore	271,400	\$855,585	8800	25.00%	844,800	12	26,400	186,975	11	31	11	11	11	21	11	11
NY	Pots and Traps, Conch	146,300	\$158,834	7450	25.00%	715,200	12	22,350	37,803	11	31	11	11	11	21	11	11
CT	Offshore Lobster	NA	NA	6000	25.00%	576,000	12	18,000	18,000	11	41	11	11	11	21	11	11
NJ	Pots and Traps, Lobster Offshore	158,000	\$412,720	4,725	25.00%	453,600	12	14,175	186,975	11	31	11	11	11	21	11	11
ME	Pots and Traps, Crab, Other	456,700	\$94,955	11,320	10.00%	1,358,400	12	13,584	19,358	11	31	11	11	11	21	11	11
ME	Pots and Traps, Shrimp	374,100	\$422,167	10,620	10.00%	1,115,100	12	12,744	12,744	11	31	11	11	11	21	11	11
RI	Pots and Traps, Conch	201,100	\$425,084	4,175	25.00%	400,800	12	12,525	37,803	11	31	11	11	11	21	11	11
NJ	Pots and Traps, Crab, Blue	2,014,700	\$1,068,628	9,450	10.00%	1,913,825	12	11,340	19,679	11	31	11	11	11	21	11	11
DE	Pots and Traps, Lobster Offshore	81,200	\$331,296	3600	25.00%	648,000	12	10,800	186,975	11	31	11	11	11	21	11	11
NJ	Pots and Traps, Fish	344,400	\$222,278	7,960	10.00%	2,179,050	12	9,552	11,102	11	31	11	11	11	21	11	11
NY	Pots and Traps, Crab, Blue	301,265	\$177,315	5734	10.00%	1,161,135	12	6,881	19,679	11	31	11	11	11	21	11	11
NH	Pots and Traps, Lobster Offshore	778,300	\$1,810,730	1,600	25.00%	153,600	12	4,800	186,975	11	31	11	11	11	21	11	11
NH	Pots and Traps, Crab, Other	40,000	\$15,200	2,900	10.00%	278,400	12	3,480	19,358	11	31	11	11	11	21	11	11
MA	Pots and Traps, Conch	593,800	\$700,300	920	25.00%	77,280	12	2,760	37,803	11	31	11	11	11	21	11	11
NJ	Pots and Traps, Eel	184,100	\$219,709	2,010	10.00%	550,238	12	2,412	19,358	11	31	11	11	11	21	11	11
MA	Pots and Traps, Crab, Other	4,620,000	\$2,553,284	1,860	10.00%	178,560	12	2,232	19,358	11	31	11	11	11	21	11	11
NY	Pots and Traps, Eel	60,600	\$88,948	1400	10.00%	383,250	12	1,680	6,059	11	31	11	11	11	21	11	11
MA	Pots and Traps, Eel	20,800	\$19,937	1,230	10.00%	147,600	12	1,476	6,059	11	31	11	11	11	21	11	11
DE	Pots and Traps, Crab, Blue	3,145,200	\$1,019,212	11,850	1.00%	2,999,825	12	1,422	19,679	11	31	11	11	11	21	11	11
MA	Pots and Traps, Fish	402,900	\$443,768	1,000	10.00%	120,450	12	1,200	11,102	11	31	11	11	11	21	11	11
MA	Pots and Traps, Other	18,375,100	\$8,724,671	8,179	1.00%	2,239,001	12	981	1,066	11	31	11	11	11	21	11	11
DE	Pots and Traps, Lobster Inshore	400	\$1,514	135	25.00%	16,200	12	405	7,329,261	11	31	11	11	11	21	11	11
RI	Pots and Traps, Fish	900	\$2,261	280	10.00%	76,650	12	336	6,059	11	31	11	11	11	21	11	11
DE	Pots and Traps, Fish	198,800	\$200,165	1605	1.00%	168,825	12	193	11,102	11	31	11	11	11	21	11	11
MA	Lines Long Set w/ Hooks Top Waters	7,482,000	\$12,682,773	29,342	0.10%	8,032,373	6	176	218	11	31	11	11	11	21	11	11
CT	Pots and Traps, Conch	24,400	\$35,678	70	20.00%	6,720	12	168	37,803	11	31	11	11	11	21	11	11
CT	Pots and Traps, Fish	490,200	\$395,748	1310	1.00%	125,760	12	157	11,102	11	31	11	11	11	21	11	11
DE	Pots and Traps, Eel	95,400	\$106,400	1055	1.00%	11,078	12	127	6,059	11	31	11	11	11	21	11	11

Table 1B. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Lost Gear Interaction Factor (Months/Year)

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Eoon	Aesthetic Safety
CT	Pots and Traps, Crab, Other	300	\$64	52	10.0%	4,880	12	62	19,358	31	31	31	21	21	21	21
NY	Gill Nets, Other	1,431,785	\$552,779	346	1.00%	94,718	12	42	1,066	11	31	11	21	21	21	21
NY	Lines Long Set w/Hooks Top Waters	6,101,200	\$9,936,296	6321	0.10%	1,730,374	6	38	218	11	31	11	41	21	21	21
CT	Pots and Traps, Crab, Blue	400	\$200	30	10.0%	2,700	12	36	19,679	31	31	31	21	21	21	21
CT	Pots and Traps, Eel	11,900	\$10,423	239	1.00%	22,944	12	29	6,059	11	31	11	21	21	21	21
DE	Lines Hand, Other Fishing Bottom	2,090,200	\$4,440,109	4,363	0.10%	1,194,371	6	26	47	31	11	41	21	21	21	21
MA	Gill Nets, Other	629,100	\$192,399	188	1.00%	51,465	12	23	1,066	11	31	11	21	21	21	21
NY	Lines Hand, Other Fishing Bottom	1,726,400	\$2,295,462	3260	0.10%	892,425	6	20	47	31	31	11	41	21	21	21
RI	Gill Nets, Other	676,000	\$444,489	74	1.00%	20,258	12	9	1,066	11	31	11	21	21	21	21
ME	Gill Nets, Other	13,273,700	\$5,998,129	51	1.00%	13,961	12	6	1,066	11	31	11	21	21	21	21
MA	Lines Troll, Other Top Waters	122,500	\$53,767	920	0.10%	251,850	6	6	1,066	11	31	11	21	21	21	21
RI	Lines Troll, Other Top Waters	151,500	\$111,879	800	0.10%	219,000	6	5	1,066	11	31	11	21	21	21	21
NY	Gill Nets, Other	3,669,800	\$1,831,255	36	1.00%	9,855	12	1	1,066	11	31	11	21	21	21	21
NJ	Lines Long Set w/Hooks Top Waters	3,580,900	\$7,238,463	704	0.10%	192,720	6	4	218	11	31	11	21	21	21	21
MA	Other Trawl Bottom, Fish	130,247,500	\$102,053,345	470	2.70%	771,975	0.25	3	5	41	41	41	41	21	21	21
NJ	Lines Hand, Other Fishing Bottom	180,900	\$229,376	221	0.10%	60,499	0.25	1	47	31	31	11	41	21	21	21
CT	Other Trawl Bottom, Fish	4,232,800	\$3,722,436	81	5.00%	110,869	0.25	1	1,066	11	31	11	21	21	21	21
ME	Other Trawl Bottom, Shrimp	9,432,200	\$9,860,198	143	2.70%	77,220	0.25	1	1,066	11	31	11	21	21	21	21
NJ	Gill Nets, Other	587,100	\$145,409	69	0.10%	18,889	12	1	1,066	11	31	11	21	21	21	21
CT	Gill Nets, Other	41,050	\$24,025	6	1.00%	1,643	12	1	1,066	11	31	11	21	21	21	21
DE	Gill Nets, Stake	Confidential	Confidential	6	1.00%	1,643	12	1	1,066	11	31	11	21	21	21	21
ME	Other Trawl Bottom, Fish	45,034,100	\$32,202,625	88	2.70%	144,540	0.25	1	5	41	41	41	41	21	21	21
RI	Other Trawl Bottom, Fish	67,915,900	\$36,017,827	81	2.70%	133,043	0.25	1	5	41	41	41	41	21	21	21
MA	Other Trawl Bottom, Shrimp	4,014,000	\$3,366,613	76	2.70%	61,560	0.25	1	5	41	41	41	41	21	21	21
CT	Gill Nets, Drift, Other	136,600	\$271,945	83	1.00%	22,721	0.25	0	0	11	31	11	21	21	21	21
DE	Gill Nets, Drift, Other	776,300	\$361,476	82	1.00%	8,610	0.25	0	0	11	31	11	21	21	21	21
CT	Other Trawl Bottom, Lobster	37,352	\$126,998	11	5.00%	3,011	0.25	0	0	41	41	41	41	21	21	21
CT	Other Trawl Bottom, Lobster	333,900	\$233,730	14	1.00%	3,833	0.25	0	0	41	41	41	41	21	21	21
CT	Gill Nets, Drift, Shad	NA	NA	11	0.10%	3,011	1	0	0	11	31	11	21	21	21	21
CT	Haul Seines, Beach	4,700	\$2,122	12	0.10%	3,285	0.5	0	0	41	41	41	41	21	21	21
DE	Fyke and Hoop Nets, Fish	4,500	\$1,118	5	0.10%	1,369	0.5	0	0	41	41	41	41	21	21	21
CT	Pound Nets, Fish	12,800	\$4,577	1	0.10%	274	0.5	0	0	41	41	41	41	21	21	21
CT	Dip Nets, Common	900	\$275	2	0.01%	548	0.25	0	0	11	31	11	21	21	21	21
NJ	Lines Troll, Tuna	11,300	\$15,486	16	0.10%	4,380	0.25	0	0	41	41	41	41	21	21	21
RI	Lines Troll, Tuna	416,700	\$543,279	7	0.10%	1,916	6	0	18,000	31	31	11	41	21	21	21
ME	Lines Long Set w/Hooks Top Waters	952,800	\$1,534,470	42	0.10%	11,498	6	0	18,000	31	31	11	41	21	21	21
NH	Lines Long Set w/Hooks Top Waters	3,800	\$2,282	3	0.10%	821	6	0	218	11	31	11	41	21	21	21
RI	Lines Long Set w/Hooks Top Waters	368,200	\$578,326	20	0.10%	5,475	6	0	218	11	31	11	41	21	21	21
ME	Lines Hand, Other Fishing Bottom	196,000	\$186,386	49	0.10%	13,414	6	0	218	11	31	11	41	21	21	21
NH	Lines Hand, Other Fishing Bottom	27,900	\$89,239	20	0.10%	5,475	6	0	47	11	31	11	41	21	21	21
RI	Lines Hand, Other Fishing Bottom	248,700	\$490,637	23	0.10%	6,296	6	0	47	11	31	11	41	21	21	21
NJ	Lines Troll, Other Top Waters	5,800	\$1,746	12	0.10%	3,285	6	0	47	31	31	11	41	21	21	21
NH	Other Trawl Bottom, Fish	2,946,200	\$2,159,381	40	2.70%	65,700	0.25	0	10	31	31	11	41	21	21	21
NJ	Other Trawl Bottom, Fish	35,442,800	\$14,204,277	70	2.70%	114,975	0.25	0	5	41	41	41	41	21	21	21
NY	Other Trawl Bottom, Fish	21,919,100	\$15,534,360	74	2.70%	121,545	0.25	0	5	41	41	41	41	21	21	21
NH	Other Trawl Bottom, Shrimp	498,200	\$485,653	7	2.70%	5,670	0.25	0	5	41	41	41	41	21	21	21
ME	Dip Nets, Common	792,000	\$58,417	47	0.01%	12,866	1	0	47	31	31	11	41	21	21	21
MA	Dip Nets, Common	38,200	\$86,973	55	0.01%	15,056	1	0	47	31	31	11	41	21	21	21
NH	Dip Nets, Common	15,550	\$2,984	14	0.01%	3,933	1	0	47	31	31	11	41	21	21	21
NE	Diving Outfits, Other	707,600	\$226,234	273	0.01%	74,734	0	0	0	41	41	41	41	21	21	21
MA	Diving Outfits, Other	25,900	\$80,246	14	0.01%	3,933	0	0	0	41	41	41	41	21	21	21
ME	Dredges, Clam	1,220,200	\$2,839,894	91	0.10%	24,911	0	0	0	41	41	41	41	21	21	21
MA	Dredges, Clam	4,140,600	\$3,276,146	115	0.10%	31,481	0	0	0	41	41	41	41	21	21	21
NH	Dredges, Clam	8,260	\$20,630	2	0.10%	548	0	0	0	41	41	41	41	21	21	21
NJ	Dredges, Clam	60,236,700	\$23,516,697	115	0.10%	31,481	0	0	0	41	41	41	41	21	21	21

Table 1B. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Lost Gear Interaction Factor (Months/Year)

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
NY	Dredges, Clam	3,560,800	\$5,133,548	124	0.10%	33,945	0	0	0	0	41	41	41	41	41	41	41
RI	Dredges, Clam	3,166,800	\$1,381,819	30	0.10%	8,213	0	0	0	0	41	41	41	41	41	41	41
CT	Dredges, Clam	316,020	\$310,457	9	0.10%	2,484	0	0	0	0	41	41	41	41	41	21	41
MA	Dredges, Clam, Hydraulic	432,400	\$203,480	2	0.10%	548	0	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Crab	26,000	\$100,000	NA	0.10%	NA	0	0	0	0	41	41	41	41	41	41	41
NJ	Dredges, Crab	928,200	\$448,849	116	0.10%	9,135	0	0	0	0	41	41	41	41	41	41	41
NF	Dredges, Crab	6,600	\$4,980	31	0.10%	8,486	0	0	0	0	41	41	41	41	41	41	41
DE	Dredges, Crab	771,700	\$197,556	20	0.10%	1,575	0	0	0	0	41	41	41	41	41	41	41
ME	Dredges, Mussel	5,784,300	\$1,927,894	105	0.10%	28,744	0	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Mussel	2,105,600	\$1,271,924	168	0.10%	45,990	0	0	0	0	41	41	41	41	41	41	41
NH	Dredges, Mussel	32,000	\$14,400	3	0.10%	821	0	0	0	0	41	41	41	41	41	41	41
ME	Dredges, Other	147,800	\$111,820	11	0.10%	3,011	0	0	0	0	41	41	41	41	41	41	41
ME	Dredges, Oyster Common	257,600	\$326,050	45	0.10%	12,319	0	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Oyster Common	26,900	\$201,131	64	0.10%	17,520	0	0	0	0	41	41	41	41	41	41	41
NJ	Dredges, Oyster Common	14,500	\$61,374	12	0.10%	3,285	0	0	0	0	41	41	41	41	41	41	41
CT	Dredges, Oyster Common	133,800	\$834,286	17	0.10%	4,654	0	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Oyster Common	536,854	\$3,999,292	34	0.10%	9,308	0	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Scallop, Bay	328,000	\$2,725,101	2,804	0.10%	767,595	0	0	0	0	41	41	41	41	41	41	41
NF	Dredges, Scallop, Bay	1,000	\$3,142	30	0.10%	8,213	0	0	0	0	41	41	41	41	41	41	41
ME	Dredges, Scallop, Sea	1,866,600	\$6,046,237	302	0.10%	82,673	0	0	0	0	41	41	41	41	41	41	41
MA	Dredges, Scallop, Sea	21,003,300	\$76,290,926	264	0.10%	72,270	0	0	0	0	41	41	41	41	41	41	41
NJ	Dredges, Scallop, Sea	3,750,500	\$13,053,888	100	0.10%	27,375	0	0	0	0	41	41	41	41	41	41	41
NF	Dredges, Scallop, Sea	49,200	\$205,716	27	0.10%	7,391	0	0	0	0	41	41	41	41	41	41	41
RI	Dredges, Scallop, Sea	1,125,600	\$1,782,850	30	0.10%	8,213	0	0	0	0	41	41	41	41	41	41	41
CT	Dredges, Scallop, Sea	130,000	\$520,000	5	0.10%	1,369	0	0	0	0	41	41	41	41	41	41	41
ME	Floating traps(Shallow)	84,000	\$27,066	2	0.10%	315	0.5	0.5	0	0	31	31	11	21	21	21	21
MA	Floating traps(Shallow)	78,300	\$19,327	3	0.10%	821	0.5	0.5	0	0	31	31	11	21	21	21	21
RI	Floating traps(Shallow)	2,869,600	\$714,553	22	0.10%	6,023	0.5	0.5	0	0	31	31	11	21	21	21	21
NJ	Fyke and Hoop Nets, Fish	44,300	\$37,568	95	0.10%	26,006	0.5	0.5	0	0	41	41	41	41	41	41	41
NF	Fyke and Hoop Nets, Fish	102,800	\$111,015	74	0.10%	20,258	0.5	0.5	0	0	41	41	41	41	41	41	41
RI	Fyke and Hoop Nets, Fish	8,600	\$10,681	14	0.10%	3,833	0.5	0.5	0	0	31	31	11	21	21	21	21
MA	Gill Nets, Drift, Other	173,700	\$112,091	7	1.00%	1,916	0.25	0.25	0	0	11	31	11	21	11	21	41
NJ	Gill Nets, Drift, Other	694,900	\$174,813	32	1.00%	8,760	0.25	0.25	0	0	11	31	11	21	11	21	41
RI	Gill Nets, Drift, Other	10,400	\$35,469	1	1.00%	274	0.25	0.25	0	0	11	31	11	21	11	21	41
MA	Gill Nets, Drift, Runaround	115,900	\$12,356	1	0.10%	274	0.25	0.25	0	0	11	31	11	21	11	21	41
NJ	Gill Nets, Drift, Runaround	1,909,000	\$739,420	14	0.10%	3,833	0.25	0.25	0	0	11	31	11	21	11	21	41
NF	Gill Nets, Drift, Runaround	4,700	\$1,281	2	0.10%	548	0.25	0.25	0	0	11	31	11	21	11	21	41
NY	Gill Nets, Drift, Shad	148,557	\$32,900	40	1.00%	10,950	0.25	0.25	0	0	11	31	11	21	11	21	41
ME	Harpoons, Other	79,000	\$320,107	63	NA	NA	0	0	0	0	41	41	41	41	41	41	41
MA	Harpoons, Other	171,200	\$906,398	NA	NA	NA	0	0	0	0	41	41	41	41	41	41	41
NH	Harpoons, Other	600	\$3,840	19	NA	NA	0	0	0	0	41	41	41	41	41	41	41
RI	Harpoons, Other	29,300	\$102,208	NA	NA	NA	0	0	0	0	41	41	41	41	41	41	41
MA	Harpoons, Swordfish	39,100	\$167,690	6	NA	NA	0	0	0	0	41	41	41	41	41	41	41
RI	Harpoons, Swordfish	26,100	\$118,021	3	NA	NA	0	0	0	0	41	41	41	41	41	41	41
MA	Haul Seines, Beach	13,500	\$4,450	2	0.01%	548	0.25	0.25	0	0	41	41	41	41	41	41	41
NJ	Haul Seines, Beach	32,200	\$19,061	3	0.01%	821	0.25	0.25	0	0	41	41	41	41	41	41	41
NY	Haul Seines, Beach	293,250	\$195,462	12	0.10%	3,285	0.25	0.25	0	0	41	41	41	41	41	41	41
MA	Haul Seines, Long(Danish)	771,500	\$539,291	8	0.10%	2,190	1	1	0	0	31	31	11	21	21	21	41
ME	Hoes	3,737,400	\$11,588,892	4,203	NA	NA	0	0	0	0	41	41	41	41	41	41	41
MA	Hoes	447,800	\$1,078,045	302	0.01%	82,673	0	0	0	0	41	41	41	41	41	41	41
NJ	Hoes	50,500	\$111,122	30	0.01%	8,213	0	0	0	0	41	41	41	41	41	41	41
RI	Hoes	11,800	\$48,605	35	0.01%	9,581	0	0	0	0	41	41	41	41	41	41	41
MA	Other Trawl Bottom, Lobster	141,300	\$383,056	2	2.70%	3,285	0.25	0.25	0	0	41	41	41	41	41	41	41
NY	Other Trawl Bottom, Lobster	48,300	\$73,375	2	2.70%	2,160	0.25	0.25	0	0	41	41	41	41	41	41	41
NJ	Other Trawl Bottom, Scallop	172,600	\$636,459	13	2.70%	21,353	0.25	0.25	0	0	41	41	41	41	41	41	41

Table 1B. Lost Gear Interaction Matrix for the North Atlantic Region
Primary Sort: Lost Gear Interaction Factor (Months/Year)

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
NY	Otter Trawl Bottom, Scallop	66,000	\$218,894	3	2.70%	4,928	0.25	0	0	0	41	41	41	41	21	41	41
RI	Otter Trawl Midwater	21,900	\$23,367	1	0.10%	1,843	0.25	0	0	0	41	41	41	41	21	41	41
MA	Pound Nets, Fish	1,930,500	\$1,034,936	15	0.10%	4,106	0.5	0	0	0	31	31	11	21	21	21	21
NJ	Pound Nets, Fish	2,032,400	\$296,752	2	0.10%	548	0.5	0	0	0	11	31	11	21	21	21	41
NY	Pound Nets, Fish	743,800	\$395,608	70	0.10%	19,163	0.5	0	0	0	11	31	11	21	21	21	41
NH	Purse Seines, Herring	Confidential	Confidential	3	0.10%	1,843	0.25	0	0	0	41	41	41	41	21	41	41
ME	Purse Seines, Herring	41,743,000	\$2,324,427	100	0.10%	31,500	0.25	0	0	0	41	41	41	41	21	21	21
MA	Purse Seines, Herring	38,758,400	\$1,760,669	11	0.10%	1,760,669	0.25	0	0	0	41	41	41	41	21	21	21
RI	Purse Seines, Herring	4,300	\$642	1	0.10%	274	0.25	0	0	0	41	41	41	41	21	41	41
ME	Purse Seines, Mackerel	13,300	\$6,266	2	0.10%	630	0.25	0	0	0	41	41	41	41	21	41	41
NE	Purse Seines, Menhaden	18,668,600	\$347,500	2	0.10%	630	0.25	0	0	0	41	41	41	41	21	41	21
NJ	Purse Seines, Menhaden	664,600	\$46,445	1	0.10%	360	0.25	0	0	0	41	41	41	41	21	41	21
NJ	Purse Seines, Tuna	11,000	\$8,259	1	0.10%	548	0.25	0	0	0	41	41	41	41	21	41	41
NE	Rakes, Other	2,200	\$436	146	0.01%	39,968	0	0	0	0	41	41	41	41	41	41	41
MA	Rakes, Other	1,339,300	\$5,591,115	1,088	0.01%	297,840	0	0	0	0	41	41	41	41	41	41	41
NJ	Rakes, Other	826,000	\$3,230,947	729	0.01%	199,564	0	0	0	0	41	41	41	41	41	41	41
NY	Rakes, Other	1,041,900	\$5,888,896	1537	0.01%	420,754	0	0	0	0	41	41	41	41	41	41	41
RI	Rakes, Other	3,350,600	\$15,630,085	2,717	0.01%	743,779	0	0	0	0	41	41	41	41	41	41	41
DE	Rakes, Other	7,300	\$21,146	33	0.01%	9,034	0	0	0	0	41	41	41	41	41	41	41
MA	Rakes, Oyster	25,100	\$270,858	130	0.01%	35,588	0	0	0	0	41	41	41	41	41	41	41
RI	Rakes, Oyster	1,800	\$8,441	21	0.01%	5,749	0	0	0	0	41	41	41	41	41	41	41
NE	Scottish Seine	446,900	\$402,901	12	0.10%	3,285	0.25	0	0	0	41	41	41	41	41	41	21
MA	Scottish Seine	72,700	\$32,247	1	0.10%	274	0.25	0	0	0	41	41	41	41	41	41	41
MA	Spears	3,500	\$4,170	9	0.01%	2,464	0	0	0	0	41	41	41	41	41	41	41
NY	Spears	500	\$762	20	0.01%	5,475	0	0	0	0	41	41	41	41	41	41	41
CT	Spears	500	\$547	1	0.01%	274	0	0	0	0	41	41	41	41	41	41	41
NE	Slop Seines	2,700,300	\$186,784	20	0.10%	5,475	0.25	0	0	0	41	41	41	41	41	41	21
MA	Tongs & Grabs, Other	45,400	\$191,124	71	0.01%	19,436	0	0	0	0	41	41	41	41	41	41	41
NJ	Tongs & Grabs, Other	140,100	\$524,598	205	0.01%	56,119	0	0	0	0	41	41	41	41	41	41	41
NY	Tongs & Grabs, Other	1,424,100	\$8,279,918	1,024	0.01%	280,320	0	0	0	0	41	41	41	41	41	41	41
DE	Tongs & Grabs, Other	2,900	\$8,410	8	0.01%	2,190	0	0	0	0	41	41	41	41	41	41	41
MA	Tongs & Grabs, Oyster	10,200	\$91,172	82	0.01%	22,448	0	0	0	0	41	41	41	41	41	41	41
NJ	Tongs & Grabs, Oyster	100	\$690	1	0.01%	274	0	0	0	0	41	41	41	41	41	41	41
MA	Trawl Midwater, Paired	469,100	\$437,827	3	0.10%	4,928	0.25	0	0	0	41	41	41	41	21	41	41

Table 1C. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Mammals

Secondary Sort: Lost Gear Interaction Factor

STATE	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR/LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
ME	175,600	\$633,244	NA	25.00%	NA	NA	NA	186.975	11	31	11	11	21	11	21	21
RI	13,100	\$25,988	NA	NA	NA	NA	NA	11,102	11	31	11	21	21	21	21	21
NF	48,100	\$178,647	NA	1.00%	NA	NA	NA	0	11	31	11	21	21	21	21	21
CT	100	\$144	NA	NA	NA	NA	NA	0	11	31	11	21	21	21	21	21
MA	22,438,000	\$54,520,468	1,787,795	25.00%	171,828,320	12	5,363,385	7,329,261	11	31	11	11	21	11	11	11
RI	11,340,200	\$39,299,760	222,531	25.00%	21,362,976	12	667,593	7,329,261	11	31	11	11	21	11	11	11
NH	2,513,200	\$7,573,763	216,925	25.00%	20,824,800	12	650,775	7,329,261	11	31	11	11	21	11	11	11
MA	666,600	\$1,828,236	87,200	25.00%	8,371,200	12	261,600	7,329,261	11	31	11	11	21	11	11	11
NF	953,800	\$2,922,781	77,735	25.00%	7,462,560	12	233,205	7,329,261	11	31	11	11	21	11	11	11
RI	3,762,600	\$10,328,911	26,400	25.00%	2,534,400	12	79,200	186,975	11	31	11	11	21	11	11	11
MA	3,403,000	\$9,943,681	17,200	25.00%	1,851,200	12	51,600	186,975	11	31	11	11	21	11	11	11
NJ	1,813,100	\$3,951,726	9,600	25.00%	921,600	12	28,800	7,329,261	11	31	11	11	21	11	11	11
NF	271,400	\$855,585	8,800	25.00%	844,800	12	26,400	186,975	11	31	11	11	21	11	11	11
CT	146,300	\$158,834	7,450	25.00%	715,200	12	22,350	37,803	11	31	11	11	21	11	11	11
MA	NA	NA	6,000	25.00%	576,000	12	18,000	18,000	11	31	11	11	21	11	11	11
NJ	158,000	\$412,720	4,725	25.00%	453,600	12	14,175	186,975	11	31	11	11	21	11	11	11
ME	456,700	\$94,955	11,320	10.00%	1,358,400	12	13,584	19,358	11	31	11	11	21	11	11	11
RI	374,100	\$422,167	10,820	10.00%	1,115,100	12	12,744	12,744	11	31	11	11	21	11	11	11
MA	201,100	\$425,084	4,175	25.00%	400,800	12	12,525	37,803	11	31	11	11	21	11	11	11
DE	81,200	\$331,296	3,600	25.00%	648,000	12	10,800	186,975	11	31	11	11	21	11	11	11
NH	344,400	\$227,278	7,960	10.00%	2,179,050	12	9,552	11,102	11	31	11	11	21	11	11	11
NJ	778,300	\$1,810,730	1,600	25.00%	153,600	12	4,800	186,975	11	31	11	11	21	11	11	11
MA	40,000	\$15,200	2,900	10.00%	278,400	12	3,480	19,358	11	31	11	11	21	11	11	11
NF	593,800	\$700,300	920	25.00%	77,280	12	2,760	37,803	11	31	11	11	21	11	11	11
MA	184,100	\$219,709	2,010	10.00%	550,238	12	2,412	6,059	11	31	11	11	21	11	11	11
MA	4,620,000	\$2,553,284	1,860	10.00%	178,560	12	2,232	19,358	11	31	11	11	21	11	11	11
NF	60,600	\$68,948	1,400	10.00%	383,250	12	1,680	6,059	11	31	11	11	21	11	11	11
MA	20,800	\$18,937	1,230	10.00%	147,600	12	1,476	6,059	11	31	11	11	21	11	11	11
MA	402,900	\$443,768	1,000	10.00%	120,450	12	1,200	11,102	11	31	11	11	21	11	11	11
MA	18,375,100	\$8,724,671	8,179	1.00%	2,239,001	12	981	1,066	11	31	11	11	21	11	11	11
RI	900	\$2,261	280	10.00%	76,650	12	336	6,059	11	31	11	11	21	11	11	11
DE	198,800	\$200,165	1,605	1.00%	168,525	12	193	11,102	11	31	11	11	21	11	11	11
MA	7,462,000	\$12,682,773	29,342	0.10%	8,032,373	6	176	218	11	31	11	11	21	11	11	11
CT	24,400	\$35,678	70	20.00%	6,720	12	168	37,803	11	31	11	11	21	11	11	11
CT	490,200	\$395,748	1310	1.00%	125,760	12	157	11,102	11	31	11	11	21	11	11	11
DE	95,400	\$106,400	1055	1.00%	11,078	12	127	6,059	11	31	11	11	21	11	11	11
NF	1,431,785	\$552,779	346	1.00%	94,718	12	42	1,066	11	31	11	11	21	11	11	11
NF	6,101,200	\$8,938,296	6321	0.10%	1,730,374	6	38	218	11	31	11	11	21	11	11	11
CT	11,900	\$10,423	239	1.00%	22,944	12	29	6,059	11	31	11	11	21	11	11	11
DE	629,100	\$192,399	188	1.00%	51,465	12	23	1,066	11	31	11	11	21	11	11	11
RI	676,000	\$444,489	74	1.00%	20,258	12	9	1,066	11	31	11	11	21	11	11	11
ME	13,273,700	\$5,898,129	51	1.00%	13,961	12	6	1,066	11	31	11	11	21	11	11	11
MA	3,669,800	\$1,831,255	36	1.00%	9,855	12	4	1,066	11	31	11	11	21	11	11	11
NH	3,580,900	\$7,238,463	704	0.10%	192,720	6	4	218	11	31	11	11	21	11	11	11
NJ	587,100	\$145,409	69	0.10%	18,889	12	1	1,066	11	31	11	11	21	11	11	11
CT	41,050	\$24,025	6	1.00%	1,843	12	1	1,066	11	31	11	11	21	11	11	11
DE	Confidential	Confidential	6	1.00%	1,843	12	1	1,066	11	31	11	11	21	11	11	11
CT	136,600	\$271,945	83	1.00%	22,721	0.25	0	0	11	31	11	11	21	11	11	11
DE	776,300	\$361,476	82	1.00%	8,610	0.25	0	0	11	31	11	11	21	11	11	11
CT	333,900	\$233,730	14	1.00%	3,833	0.25	0	0	11	31	11	11	21	11	11	11
CT	12,800	\$4,577	1	0.10%	274	0.5	0	0	11	31	11	11	21	11	11	11
ME	952,900	\$1,534,470	42	0.10%	11,498	6	0	218	11	31	11	11	21	11	11	11
NH	3,800	\$2,282	3	0.10%	821	6	0	218	11	31	11	11	21	11	11	11
RI	368,200	\$578,326	20	0.10%	5,475	6	0	218	11	31	11	11	21	11	11	11
ME	196,000	\$188,386	49	0.10%	13,414	6	0	47	11	31	11	11	21	11	11	11

Table 1C. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Mammals

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
NH	Lines Hand, Other Fishing Bottom	27,900	\$89,239	20	0.10%	5,475	6	0	47	11	31	11	41	21	21	41	41
MA	Gill Nets, Drift, Other	173,700	\$112,091	7	1.00%	1,916	0.25	0	0	11	31	11	21	11	21	11	41
NJ	Gill Nets, Drift, Other	694,900	\$174,813	32	1.00%	6,760	0.25	0	0	11	31	11	21	11	21	21	41
RI	Gill Nets, Drift, Other	10,400	\$35,468	1	1.00%	274	0.25	0	0	11	31	11	41	11	21	21	41
MA	Gill Nets, Drift, Runaround	115,900	\$12,356	1	0.10%	274	0.25	0	0	11	31	11	21	21	21	21	41
NJ	Gill Nets, Drift, Runaround	1,909,000	\$739,420	14	0.10%	3,833	0.25	0	0	11	31	11	21	21	21	21	41
NH	Gill Nets, Drift, Runaround	4,700	\$1,281	2	0.10%	548	0.25	0	0	11	31	11	21	21	21	21	41
NH	Gill Nets, Drift, Shad	148,557	\$32,900	40	1.00%	10,950	0.25	0	0	11	31	11	21	21	21	21	41
NJ	Pound Nets, Fish	2,032,400	\$296,752	2	0.10%	548	0.5	0	0	11	31	11	21	21	21	21	41
NH	Pound Nets, Fish	743,800	\$395,608	70	0.10%	19,163	0.5	0	0	11	31	11	21	21	21	21	41
MA	Lines Troll, Tuna	400	\$577	NA	0.10%	NA	6	NA	18,000	31	31	11	41	21	21	21	21
CT	Lines Hand, Other Fishing Bottom	NA	NA	51	0.10%	13,961	6	NA	NA	47	31	41	31	21	21	21	21
DE	Lines Hand, Other Fishing Bottom	44,700	\$33,679	76	0.10%	20,805	6	NA	NA	47	31	41	31	21	21	21	21
ME	Bag Nets	4,500	\$2,522	NA	NA	NA	NA	NA	NA	0	31	11	41	21	21	21	21
CT	Pots and Traps, Lobster Inshore	NA	NA	41,166	25.00%	3,951,936	12	123,498	7,329,261	31	31	11	21	11	11	11	21
NJ	Pots and Traps, Crab, Blue	2,014,700	\$1,068,628	9,450	10.00%	1,913,825	12	11,340	19,679	31	31	11	11	21	11	11	21
NH	Pots and Traps, Crab, Blue	301,265	\$177,315	5734	10.00%	1,161,135	12	6,881	19,679	31	31	11	11	21	11	21	21
DE	Pots and Traps, Lobster Inshore	3,145,200	\$1,019,212	11,850	1.00%	2,399,825	12	1,422	19,679	31	31	11	21	21	11	21	21
CT	Pots and Traps, Crab, Other	400	\$1,514	135	25.00%	16,200	12	405	7,329,261	31	31	11	21	21	21	21	21
CT	Pots and Traps, Crab, Blue	300	\$64	52	10.00%	4,680	12	62	19,358	31	31	11	21	21	21	21	21
CT	Pots and Traps, Crab, Blue	400	\$200	30	10.00%	2,700	12	36	19,679	31	31	11	21	21	21	21	21
MA	Lines Hand, Other Fishing Bottom	2,090,200	\$4,440,109	4,363	0.10%	1,194,371	6	26	47	31	31	11	41	21	21	21	21
NH	Lines Hand, Other Fishing Bottom	1,726,400	\$2,295,462	3,260	0.10%	892,425	6	20	47	31	31	11	41	21	21	21	21
MA	Lines Troll, Other Top Waters	122,500	\$53,767	920	0.10%	251,850	6	6	10	31	31	11	41	21	21	21	21
RI	Lines Troll, Other Top Waters	151,500	\$111,879	800	0.10%	219,000	6	5	10	31	31	11	41	21	21	21	21
NJ	Lines Hand, Other Fishing Bottom	180,900	\$229,376	221	0.10%	60,499	6	1	47	31	31	11	41	21	21	21	21
NJ	Lines Troll, Tuna	11,300	\$15,486	16	0.10%	4,380	6	0	18,000	31	31	11	41	21	21	21	21
RI	Lines Hand, Other Fishing Bottom	416,700	\$543,279	7	0.10%	1,916	6	0	18,000	31	31	11	41	21	21	21	21
MA	Lines Troll, Other Top Waters	248,700	\$490,637	23	0.10%	6,296	6	0	47	31	31	11	41	21	21	21	21
NJ	Lines Troll, Other Top Waters	5,800	\$1,746	12	0.10%	3,285	6	0	10	31	31	11	41	21	21	21	21
ME	Floating traps(Shallow)	84,000	\$27,066	2	0.10%	315	0.5	0	0	31	31	11	41	21	21	21	21
MA	Floating traps(Shallow)	78,300	\$19,327	3	0.10%	821	0.5	0	0	31	31	11	41	21	21	21	21
RI	Floating traps(Shallow)	2,869,600	\$714,553	22	0.10%	6,023	0.5	0	0	31	31	11	41	21	21	21	21
RI	Fyke and Hoop Nets, Fish	8,600	\$10,681	14	0.10%	3,833	0.5	0	0	31	31	11	41	21	21	21	21
MA	Haul Seines, Long(Danish)	771,500	\$539,291	8	0.10%	2,190	1	0	0	31	31	11	41	21	21	21	21
MA	Pound Nets, Fish	1,930,500	\$1,034,936	15	0.10%	4,106	0.5	0	0	31	31	11	41	21	21	21	21

Table 10. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Birds

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR/LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
ME	Pots and Traps, Lobster Offshore	175,600	\$633,244	NA	25.00%	NA	NA	NA	186,975	11	31	11	11	11	21	11	21
MA	Lines Troll, Tuna	400	\$577	NA	0.10%	NA	6	NA	18,000	31	31	11	41	21	21	21	21
RI	Pots and Traps, Fish	13,100	\$25,888	NA	NA	NA	NA	NA	11,102	11	31	11	21	21	21	21	21
DE	Lines Hand, Other Fishing Bottom	44,700	\$33,679	76	0.10%	20,805	6	NA	NA	47	31	31	41	21	21	21	21
ME	Bag Nets	4,500	\$2,522	NA	NA	NA	NA	NA	0	31	31	11	41	21	21	21	21
ME	Gill Nets Drift, Other	48,100	\$178,647	NA	1.00%	NA	NA	NA	0	31	31	11	21	21	21	21	21
RI	Pots and Traps, Other	100	\$144	NA	NA	NA	NA	NA	0	11	31	11	21	21	21	21	41
ME	Pots and Traps, Lobster Inshore	22,438,000	\$54,520,468	1,787,795	25.00%	171,628,320	12	5,363,385	7,329,261	11	31	11	11	21	11	11	11
MA	Pots and Traps, Lobster Inshore	11,340,200	\$38,299,760	222,531	25.00%	21,362,976	12	667,593	7,329,261	11	31	11	11	21	11	11	11
RI	Pots and Traps, Lobster Inshore	2,513,200	\$7,573,763	216,925	25.00%	20,824,800	12	650,775	7,329,261	11	31	11	11	21	11	11	11
NH	Pots and Traps, Lobster Inshore	666,690	\$1,826,236	87,200	25.00%	6,371,200	12	261,600	7,329,261	11	31	11	11	21	11	11	21
NH	Pots and Traps, Lobster Inshore	953,800	\$2,922,781	77,735	25.00%	7,462,560	12	233,205	7,329,261	11	31	11	11	21	11	11	21
CT	Pots and Traps, Lobster Inshore	NA	NA	411,666	25.00%	3,951,936	12	123,498	7,329,261	31	31	11	11	21	11	11	21
RI	Pots and Traps, Lobster Offshore	3,762,800	\$10,328,811	26,400	25.00%	2,534,400	12	79,200	186,975	11	31	11	11	21	11	11	21
MA	Pots and Traps, Lobster Offshore	3,403,000	\$9,943,681	17,200	25.00%	1,651,200	12	51,600	186,975	11	31	11	11	21	11	11	21
NJ	Pots and Traps, Lobster Inshore	1,613,100	\$3,951,726	9,600	25.00%	921,600	12	28,800	7,329,261	11	31	11	11	21	11	11	21
NJ	Pots and Traps, Lobster Offshore	271,400	\$855,585	8,800	25.00%	844,800	12	26,400	186,975	11	31	11	11	21	11	11	21
NJ	Pots and Traps, Conch	146,300	\$158,834	7,450	25.00%	715,200	12	22,350	37,803	11	31	11	11	21	11	11	21
NJ	Pots and Traps, Lobster Offshore	158,000	\$412,720	4,725	25.00%	453,600	12	14,175	186,975	11	31	11	11	21	11	11	21
ME	Pots and Traps, Crab, Other	456,700	\$94,955	11,320	10.00%	1,358,400	12	13,584	19,358	11	31	11	11	21	11	11	21
ME	Pots and Traps, Shrimp	374,100	\$422,167	10,820	10.00%	1,115,100	12	12,744	12,744	11	31	11	11	21	11	11	21
RI	Pots and Traps, Conch	201,100	\$425,084	4,175	25.00%	400,800	12	12,525	37,803	11	31	11	11	21	11	11	21
NJ	Pots and Traps, Crab, Blue	2,014,700	\$1,068,628	9,450	10.00%	1,913,625	12	11,340	19,679	31	31	11	11	21	11	11	21
DE	Pots and Traps, Lobster Offshore	81,200	\$331,296	3,600	25.00%	648,000	12	20,000	186,975	11	31	11	11	21	11	11	21
NJ	Pots and Traps, Fish	344,400	\$321,278	7,960	10.00%	2,179,050	12	9,552	11,102	11	31	11	11	21	11	11	21
NH	Pots and Traps, Crab, Blue	301,265	\$177,315	5,734	10.00%	1,161,135	12	6,881	19,679	31	31	11	11	21	11	11	21
NH	Pots and Traps, Lobster Offshore	778,300	\$1,810,730	1,600	25.00%	153,600	12	4,800	186,975	11	31	11	11	21	11	11	21
MA	Pots and Traps, Crab, Other	40,000	\$700,300	2,900	10.00%	278,400	12	3,480	19,358	11	31	11	11	21	11	11	21
MA	Pots and Traps, Conch	593,800	\$219,709	2,010	10.00%	550,238	12	2,760	37,803	11	31	11	11	21	11	11	21
NJ	Pots and Traps, Eel	184,100	\$219,709	2,010	10.00%	550,238	12	2,760	37,803	11	31	11	11	21	11	11	21
MA	Pots and Traps, Crab, Other	4,620,000	\$2,553,284	1,860	10.00%	178,560	12	2,412	6,059	11	31	11	11	21	11	11	21
MA	Pots and Traps, Eel	60,600	\$88,948	1,400	10.00%	383,250	12	1,680	6,059	11	31	11	11	21	11	11	21
MA	Pots and Traps, Eel	20,800	\$18,937	1,230	10.00%	147,600	12	1,476	6,059	11	31	11	11	21	11	11	21
DE	Pots and Traps, Crab, Blue	3,145,200	\$1,019,212	11,850	1.00%	2,399,625	12	1,422	19,679	31	31	11	11	21	11	11	21
MA	Pots and Traps, Fish	402,900	\$443,768	1,000	10.00%	120,450	12	1,200	11,102	11	31	11	11	21	11	11	21
MA	Gill Nets, Other	18,375,100	\$8,724,671	8,179	1.00%	2,239,001	12	981	1,066	11	31	11	11	21	11	11	11
DE	Pots and Traps, Lobster Inshore	400	\$1,514	135	25.00%	16,200	12	405	7,329,261	31	31	11	11	21	11	11	21
RI	Pots and Traps, Eel	900	\$2,261	280	10.00%	76,650	12	336	6,059	11	31	11	11	21	11	11	21
DE	Pots and Traps, Fish	198,800	\$200,165	1,605	1.00%	168,525	12	193	11,102	11	31	11	11	21	11	11	21
MA	Lines Long Set w/Hooks Top Waters	7,462,000	\$12,682,773	29,342	0.10%	8,032,373	6	168	37,803	11	31	11	11	21	11	11	21
CT	Pots and Traps, Conch	24,400	\$35,678	70	20.00%	6,720	12	157	11,102	11	31	11	11	21	11	11	21
CT	Pots and Traps, Fish	490,200	\$395,748	1310	1.00%	125,760	12	127	6,059	11	31	11	11	21	11	11	21
DE	Pots and Traps, Eel	95,400	\$106,400	1,055	1.00%	11,078	12	62	19,358	31	31	11	11	21	11	11	21
CT	Pots and Traps, Crab, Other	300	\$64	52	10.00%	4,680	12	42	1,066	11	31	11	11	21	11	11	21
NH	Gill Nets, Other	1,431,785	\$552,779	346	1.00%	94,718	12	38	218	11	31	11	11	21	11	11	21
NH	Lines Long Set w/Hooks Top Waters	6,101,200	\$8,936,296	6,321	0.10%	1,730,374	6	36	19,679	31	31	11	11	21	11	11	21
CT	Pots and Traps, Crab, Blue	400	\$200	30	10.00%	2,700	12	36	6,059	11	31	11	11	21	11	11	21
CT	Pots and Traps, Eel	11,900	\$10,423	239	1.00%	22,844	12	29	6,059	11	31	11	11	21	11	11	21
MA	Lines Hand, Other Fishing Bottom	2,090,200	\$4,440,109	4,363	0.10%	1,194,371	6	26	47	31	31	11	11	21	11	11	21
DE	Gill Nets, Other	629,100	\$192,399	188	1.00%	51,465	12	23	1,066	11	31	11	11	21	11	11	21
NH	Lines Hand, Other Fishing Bottom	1,728,400	\$2,295,482	3260	1.00%	892,425	6	20	47	31	31	11	11	21	11	11	21
RI	Gill Nets, Other	676,000	\$444,489	74	1.00%	20,258	12	9	1,066	11	31	11	11	21	11	11	21
ME	Lines Troll, Other Top Waters	13,273,700	\$5,898,129	51	1.00%	13,961	12	6	1,066	11	31	11	11	21	11	11	21
MA	Lines Troll, Other Top Waters	122,500	\$53,767	920	0.10%	251,850	6	6	10	31	31	11	11	21	11	11	21
RI	Lines Troll, Other Top Waters	151,500	\$111,879	800	0.10%	219,000	6	5	10	31	31	11	11	21	11	11	21

Table 1D. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Birds

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (A MONTHS YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
NH	Gill Nets, Other	3,689,800	\$1,831,255	36	1.00%	9,855	12	4	1,066	11	31	11	21	11	11	21	21
NJ	Lines Long Set w/Hooks Top Waters	3,580,900	\$7,238,463	704	0.10%	182,720	6	4	218	11	31	11	41	21	21	21	41
NJ	Lines Hand, Other Fishing Bottom	180,900	\$229,378	221	0.10%	60,499	6	1	47	31	31	11	41	21	21	21	41
NJ	Gill Nets, Other	587,100	\$145,409	89	0.10%	18,889	12	1	1,066	11	31	11	21	11	21	21	21
CT	Gill Nets, Other	41,050	\$24,025	6	1.00%	1,643	12	1	1,066	11	31	11	21	11	21	21	21
DE	Gill Nets, Stake	Confidential	Confidential	6	1.00%	1,643	12	1	1,066	11	31	11	21	11	21	21	21
CT	Gill Nets, Drift, Other	136,600	\$271,945	83	1.00%	22,721	0.25	0	0	11	31	11	21	11	11	21	21
DE	Gill Nets, Drift, Other	776,300	\$361,478	82	1.00%	8,610	0.25	0	0	11	31	11	21	11	11	21	21
CT	Gill Nets, Drift, Shad	333,900	\$233,730	14	1.00%	3,833	0.25	0	0	11	31	11	21	11	11	21	21
DE	Fyke and Hoop Nets, Fish	4,700	\$2,122	12	0.10%	3,285	0.5	0	0	41	31	31	21	21	21	21	21
CT	Fyke and Hoop Nets, Fish	4,500	\$1,118	5	0.10%	1,369	0.5	0	0	41	31	11	21	21	21	21	21
CT	Pound Nets, Fish	12,800	\$4,577	1	0.10%	274	0.5	0	0	11	31	11	21	21	21	21	21
NJ	Lines Troll, Tuna	11,300	\$15,486	16	0.10%	4,380	6	0	18,000	31	31	11	41	21	21	21	41
RI	Lines Troll, Tuna	416,700	\$543,279	7	0.10%	1,916	6	0	18,000	31	31	11	41	21	21	21	41
ME	Lines Long Set w/Hooks Top Waters	952,900	\$1,534,470	42	0.10%	11,498	6	0	218	11	31	11	41	21	21	21	21
NH	Lines Long Set w/Hooks Top Waters	3,800	\$2,282	3	0.10%	821	6	0	218	11	31	11	41	21	21	21	21
RI	Lines Long Set w/Hooks Top Waters	368,200	\$578,326	20	0.10%	5,475	6	0	218	11	31	11	41	21	21	21	41
ME	Lines Hand, Other Fishing Bottom	196,000	\$188,386	49	0.10%	13,414	6	0	47	11	31	11	41	21	21	21	41
NH	Lines Hand, Other Fishing Bottom	27,900	\$89,239	20	0.10%	5,475	6	0	47	11	31	11	41	21	21	21	41
RI	Lines Hand, Other Fishing Bottom	248,700	\$490,637	23	0.10%	6,296	6	0	47	31	31	11	41	21	21	21	41
NJ	Lines Troll, Other Top Waters	5,800	\$1,746	12	0.10%	3,285	6	0	10	31	31	11	41	21	21	21	41
ME	Floating traps(Shallow)	84,000	\$27,066	2	0.10%	315	0.5	0	0	31	31	11	41	21	21	21	41
MA	Floating traps(Shallow)	78,300	\$19,327	3	0.10%	821	0.5	0	0	31	31	11	41	21	21	21	41
RI	Fyke and Hoop Nets, Fish	2,869,600	\$714,553	22	0.10%	6,023	0.5	0	0	31	31	11	41	21	21	21	41
NJ	Fyke and Hoop Nets, Fish	44,300	\$37,568	95	0.10%	26,006	0.5	0	0	41	31	11	41	21	21	21	41
NY	Fyke and Hoop Nets, Fish	102,800	\$111,015	74	0.10%	20,258	0.5	0	0	41	31	11	41	21	21	21	41
RI	Fyke and Hoop Nets, Fish	8,600	\$10,681	14	0.10%	3,833	0.5	0	0	31	31	11	41	21	21	21	41
MA	Gill Nets, Drift, Other	173,700	\$112,091	7	1.00%	1,916	0.25	0	0	31	31	11	41	21	21	21	41
NJ	Gill Nets, Drift, Other	694,900	\$174,813	32	1.00%	8,760	0.25	0	0	11	31	11	21	11	21	21	41
RI	Gill Nets, Drift, Other	10,400	\$35,469	1	1.00%	274	0.25	0	0	11	31	11	21	11	21	21	41
MA	Gill Nets, Drift, Runaround	115,900	\$12,356	1	0.10%	274	0.25	0	0	11	31	11	21	11	21	21	41
NJ	Gill Nets, Drift, Runaround	1,909,000	\$739,420	14	0.10%	3,833	0.25	0	0	11	31	11	21	11	21	21	41
NY	Gill Nets, Drift, Runaround	4,700	\$1,281	2	0.10%	548	0.25	0	0	11	31	11	21	11	21	21	41
NY	Gill Nets, Drift, Shad	148,557	\$32,900	40	1.00%	10,950	0.25	0	0	11	31	11	21	11	21	21	41
MA	Haul Seines, Long(Danish)	771,500	\$539,291	8	0.10%	2,190	1	0	0	31	31	11	41	21	21	21	41
MA	Pound Nets, Fish	1,930,500	\$1,034,936	15	0.10%	4,106	0.5	0	0	31	31	11	21	11	21	21	41
NJ	Pound Nets, Fish	2,032,400	\$296,752	2	0.10%	548	0.5	0	0	11	31	11	21	11	21	21	41
NY	Pound Nets, Fish	743,800	\$395,606	70	0.10%	19,163	0.5	0	0	11	31	11	21	11	21	21	41

Table 1E. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Reptiles
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
ME	Pots and Traps, Lobster Offshore	175,600	\$633,244	NA	25.00%	NA	NA	NA	186,975	11	31	11	11	11	11	21
MA	Lines Troll, Tuna	400	\$577	NA	0.10%	NA	6	NA	18,000	31	31	11	41	21	21	21
RI	Pots and Traps, Fish	13,100	\$25,888	NA	NA	NA	NA	NA	11,102	11	31	11	21	21	21	21
ME	Bag Nets	4,500	\$2,522	NA	NA	NA	NA	NA	0	31	31	11	41	21	21	21
NH	Gill Nets, Drift, Other	48,100	\$178,647	NA	1.00%	NA	NA	NA	0	11	31	11	21	21	21	21
RI	Pots and Traps, Other	100	\$144	NA	NA	NA	NA	NA	0	11	31	11	21	21	21	41
ME	Pots and Traps, Lobster Inshore	22,438,000	\$54,520,468	1,787,795	25.00%	171,628,320	12	5,353,385	7,329,261	11	31	11	11	21	11	11
MA	Pots and Traps, Lobster Inshore	11,340,200	\$38,299,760	222,531	25.00%	21,382,976	12	687,593	7,329,261	11	31	11	11	21	11	11
RI	Pots and Traps, Lobster Inshore	2,513,200	\$7,573,763	216,925	25.00%	20,824,800	12	650,775	7,329,261	11	31	11	11	21	11	21
NH	Pots and Traps, Lobster Inshore	666,690	\$1,826,236	87,200	25.00%	8,371,200	12	261,600	7,329,261	11	31	11	11	21	11	21
NH	Pots and Traps, Lobster Inshore	953,800	\$2,922,781	77,735	25.00%	7,462,560	12	233,205	7,329,261	11	31	11	11	21	11	21
RI	Pots and Traps, Lobster Offshore	3,782,600	\$10,328,811	26,400	25.00%	2,534,400	12	79,200	186,975	11	31	11	11	21	11	41
MA	Pots and Traps, Lobster Offshore	3,403,000	\$9,943,681	17,200	25.00%	1,651,200	12	51,600	186,975	11	31	11	11	21	11	21
NJ	Pots and Traps, Lobster Inshore	1,613,100	\$3,951,726	9,600	25.00%	921,600	12	28,800	7,329,261	11	31	11	11	21	11	21
NH	Pots and Traps, Lobster Offshore	271,400	\$855,585	8800	25.00%	844,800	12	26,400	186,975	11	31	11	11	21	11	21
NH	Pots and Traps, Lobster Offshore	146,300	\$158,834	7450	25.00%	715,200	12	22,350	37,803	11	31	11	11	21	11	21
CT	Offshore Lobster	NA	NA	6000	25.00%	576,000	12	18,000	18,000	11	41	11	11	21	11	41
NJ	Pots and Traps, Lobster Offshore	158,000	\$412,720	4,725	25.00%	453,600	12	14,175	186,975	11	31	11	11	21	11	41
ME	Pots and Traps, Crab, Other	456,700	\$94,955	11,320	10.00%	1,358,400	12	13,584	19,358	11	31	11	11	21	11	21
ME	Pots and Traps, Shrimp	374,100	\$422,167	10,620	10.00%	1,115,100	12	12,744	12,744	11	31	11	21	21	11	21
RI	Pots and Traps, Conch	201,100	\$425,084	4,175	25.00%	400,800	12	12,525	37,803	11	31	11	11	21	11	21
NJ	Pots and Traps, Crab Blue	2,014,700	\$1,068,628	9,450	10.00%	1,913,625	12	11,340	19,679	31	31	11	11	21	11	21
DE	Pots and Traps, Lobster Offshore	81,200	\$321,296	3600	25.00%	648,000	12	10,800	186,975	11	31	11	11	21	11	21
NJ	Pots and Traps, Fish	344,400	\$227,278	7,960	10.00%	2,179,050	12	9,552	11,102	11	31	11	21	21	11	41
NH	Pots and Traps, Crab Blue	301,265	\$177,315	5734	10.00%	1,161,135	12	6,881	19,679	31	31	11	11	21	11	21
NH	Pots and Traps, Lobster Offshore	778,300	\$1,810,730	1,600	25.00%	153,600	12	4,800	186,975	11	31	11	11	21	11	21
MA	Pots and Traps, Conch	40,000	\$15,200	2,900	10.00%	276,400	12	3,480	19,358	11	31	11	21	21	11	21
MA	Pots and Traps, Conch	593,800	\$700,300	920	25.00%	77,280	12	2,760	37,803	11	31	11	21	21	11	21
NJ	Pots and Traps, Eel	184,100	\$219,709	2,010	10.00%	550,238	12	2,412	6,059	11	31	11	21	21	11	21
MA	Pots and Traps, Crab, Other	4,620,000	\$2,553,284	1,860	10.00%	178,560	12	2,232	19,358	11	31	11	21	21	11	21
NH	Pots and Traps, Eel	60,600	\$88,948	1,400	10.00%	383,250	12	1,680	6,059	11	31	11	21	21	11	21
MA	Pots and Traps, Eel	20,800	\$18,937	1,230	10.00%	147,600	12	1,476	6,059	11	31	11	21	21	11	21
MA	Pots and Traps, Fish	402,900	\$443,768	1,000	10.00%	120,450	12	1,200	11,102	11	31	11	21	21	11	21
MA	Gill Nets, Other	18,375,100	\$8,724,671	8,179	1.00%	2,239,001	12	981	1,066	11	31	11	21	11	11	21
RI	Pots and Traps, Eel	900	\$2,261	280	10.00%	76,650	12	336	6,059	11	31	11	21	21	11	21
DE	Pots and Traps, Fish	198,800	\$200,165	1,605	1.00%	168,525	12	193	11,102	11	31	11	21	21	11	21
MA	Lines Long Set w/Hooks Top Waters	7,482,000	\$12,682,773	29,342	0.10%	8,032,373	6	176	218	11	31	11	41	21	21	21
CT	Pots and Traps, Fish	24,400	\$35,678	70	20.00%	6,720	12	168	37,803	11	31	11	21	21	11	21
CT	Pots and Traps, Fish	450,200	\$395,748	1,310	1.00%	125,760	12	157	11,102	11	31	11	21	21	11	21
DE	Pots and Traps, Eel	95,400	\$106,400	1,055	1.00%	11,078	12	127	6,059	11	31	11	21	21	11	21
NH	Gill Nets, Other	1,431,785	\$552,779	346	1.00%	94,718	12	42	1,066	11	31	11	21	21	11	21
NH	Lines Long Set w/Hooks Top Waters	6,101,200	\$8,936,296	6,321	0.10%	1,730,374	6	38	218	11	31	11	41	21	11	21
CT	Pots and Traps, Eel	11,900	\$10,423	239	1.00%	22,944	12	29	6,059	11	31	11	21	21	11	21
MA	Lines Hand, Other Fishing Bottom	2,090,200	\$4,440,109	4,363	0.10%	1,194,371	6	26	47	31	31	11	41	21	11	21
DE	Gill Nets, Other	629,100	\$192,399	188	1.00%	51,465	12	23	1,066	11	31	11	21	21	11	21
NH	Lines Hand, Other Fishing Bottom	1,726,400	\$2,295,462	3260	0.10%	892,425	6	20	47	31	31	11	41	21	11	21
RI	Gill Nets, Other	676,000	\$444,489	74	1.00%	20,258	12	9	1,066	11	31	11	21	21	11	21
ME	Lines Long Set w/Hooks Top Waters	13,273,700	\$5,998,129	51	1.00%	13,961	12	6	1,066	11	31	11	21	21	11	21
MA	Lines Troll, Other Top Waters	122,500	\$53,767	920	0.10%	231,850	6	6	1,066	11	31	11	41	21	11	21
RI	Lines Troll, Other Top Waters	151,500	\$111,879	800	0.10%	219,000	6	5	1,066	11	31	11	41	21	11	21
NH	Gill Nets, Other	3,669,800	\$1,831,255	36	1.00%	9,855	12	4	1,066	11	31	11	21	21	11	21
NJ	Lines Long Set w/Hooks Top Waters	3,580,900	\$7,238,463	704	0.10%	192,720	6	4	218	11	31	11	41	21	11	21
NJ	Lines Hand, Other Fishing Bottom	180,900	\$229,376	221	0.10%	60,499	6	1	47	31	31	11	41	21	11	21
CT	Oter Trawl Bottom, Fish	4,232,800	\$3,722,436	81	5.00%	110,869	0.25	5	41	11	41	11	41	21	11	21
NJ	Gill Nets, Other	587,100	\$145,408	69	0.10%	18,889	12	1	1,066	11	31	11	21	21	11	21

Table 1E: Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Reptiles
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
CT	Gill Nets, Other	41,050	\$24,025	6	1.00%	1,843	12	1	1,066	11	31	11	21	21	21	21
DE	Gill Nets, Stake	Confidential	Confidential	6	1.00%	1,843	12	1	1,066	11	31	11	21	21	21	21
CT	Gill Nets, Drift, Other	136,600	\$271,945	83	1.00%	22,721	0.25	0	0	0	11	31	11	21	11	21
DE	Gill Nets, Drift, Other	776,300	\$361,476	82	1.00%	8,610	0.25	0	0	0	11	31	11	21	11	21
CT	Other Trawl Bottom, Lobster	37,352	\$126,998	11	5.00%	3,011	0.25	0	0	0	41	11	41	41	21	21
CT	Gill Nets, Drift, Shad	333,900	\$233,730	14	1.00%	3,833	0.25	0	0	0	11	31	11	21	11	21
CT	Fyke and Hoop Nets, Fish	4,500	\$1,118	5	0.10%	1,369	0.5	0	0	0	41	31	11	21	21	21
CT	Pound Nets, Fish	12,800	\$4,577	1	0.10%	274	0.5	0	0	0	11	31	11	21	21	21
NJ	Lines Troll, Tuna	11,300	\$15,486	16	0.10%	4,380	6	0	0	18,000	31	11	41	21	21	41
RI	Lines Troll, Tuna	416,700	\$543,279	7	0.10%	1,916	6	0	0	18,000	31	11	41	21	21	41
ME	Lines Long Set w/Hooks Top Waters	952,900	\$1,534,470	42	0.10%	11,498	6	0	0	218	11	31	11	41	21	21
NH	Lines Long Set w/Hooks Top Waters	3,800	\$2,282	3	0.10%	821	6	0	0	218	11	31	11	41	21	21
RI	Lines Long Set w/Hooks Top Waters	368,200	\$578,326	20	0.10%	5,475	6	0	0	218	11	31	11	41	21	41
ME	Lines Hand, Other Fishing Bottom	196,000	\$188,386	49	0.10%	13,414	6	0	0	47	11	31	11	41	21	21
NH	Lines Hand, Other Fishing Bottom	27,900	\$89,239	20	0.10%	5,475	6	0	0	47	11	31	11	41	21	21
RI	Lines Hand, Other Fishing Bottom	248,700	\$490,637	23	0.10%	6,296	6	0	0	47	11	31	11	41	21	41
NJ	Lines Troll, Other Top Waters	5,800	\$1,746	12	0.10%	3,285	6	0	0	10	31	11	41	21	21	41
ME	Floating traps(Shallow)	84,000	\$27,066	2	0.10%	315	0.5	0	0	0	31	11	21	21	21	41
RI	Floating traps(Shallow)	2,869,600	\$714,553	22	0.10%	6,023	0.5	0	0	0	31	11	41	21	21	41
NJ	Fyke and Hoop Nets, Fish	44,300	\$37,568	95	0.10%	26,006	0.5	0	0	0	41	31	11	41	21	41
NY	Fyke and Hoop Nets, Fish	102,800	\$111,015	74	0.10%	20,258	0.5	0	0	0	41	31	11	41	21	41
RI	Fyke and Hoop Nets, Fish	8,600	\$10,681	14	0.10%	3,833	0.5	0	0	0	31	11	41	21	21	41
MA	Gill Nets, Drift, Other	173,700	\$112,091	7	1.00%	1,916	0.25	0	0	0	11	31	11	21	11	41
NJ	Gill Nets, Drift, Other	694,900	\$174,813	32	1.00%	8,760	0.25	0	0	0	11	31	11	21	11	41
RI	Gill Nets, Drift, Other	10,400	\$35,469	1	1.00%	274	0.25	0	0	0	11	31	11	41	11	41
MA	Gill Nets, Drift, Runaround	115,900	\$12,356	1	0.10%	274	0.25	0	0	0	11	31	11	41	11	41
NJ	Gill Nets, Drift, Runaround	1,909,000	\$739,420	14	0.10%	3,833	0.25	0	0	0	11	31	11	21	21	41
NY	Gill Nets, Drift, Runaround	4,700	\$1,281	2	0.10%	548	0.25	0	0	0	11	31	11	21	21	41
NY	Gill Nets, Drift, Shad	148,557	\$32,900	40	1.00%	10,950	0.25	0	0	0	11	31	11	21	21	41
MA	Haul Seines, Long(Danish)	771,500	\$539,291	8	0.10%	2,190	1	0	0	0	31	11	41	21	21	41
MA	Pound Nets, Fish	1,930,500	\$1,034,936	15	0.10%	4,106	0.5	0	0	0	31	11	41	21	21	41
NJ	Pound Nets, Fish	2,032,400	\$296,752	2	0.10%	548	0.5	0	0	0	11	31	11	21	21	41
NY	Pound Nets, Fish	743,800	\$395,606	70	0.10%	19,163	0.5	0	0	0	11	31	11	21	21	41
CT	Lines Hand, Other Fishing Bottom	NA	NA	51	0.10%	13,961	6	0	0	0	11	31	11	21	21	41
DE	Lines Hand, Other Fishing Bottom	44,700	\$33,679	76	0.10%	20,805	6	0	0	47	31	41	31	41	21	21
CT	Pots and Traps, Lobster Inshore	NA	NA	411,666	25.00%	3,951,836	12	0	0	47	31	31	41	21	21	21
DE	Pots and Traps, Crab,Blue	3,145,200	\$1,019,212	118,500	1.00%	2,399,825	12	1,422	123,498	7,329,261	31	31	11	21	11	21
DE	Pots and Traps, Lobster Inshore	400	\$1,514	135	25.00%	16,200	12	405	19,679	31	31	31	21	21	11	21
CT	Pots and Traps, Crab,Other	300	\$64	52	10.00%	4,680	12	62	19,358	31	31	31	21	21	21	21
CT	Pots and Traps, Crab,Blue	400	\$200	30	10.00%	2,700	12	36	19,679	31	31	31	21	21	21	21
DE	Fyke and Hoop Nets, Fish	4,700	\$5,122	12	0.10%	3,285	0.5	0	0	0	41	31	21	21	21	21

Table 1F. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Target
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
ME	Pots and Traps, Lobster Offshore	175,600	\$633,244	NA	25.00%	171,628,320	12	NA	186,975	11	31	11	11	21	11	21	21
ME	Pots and Traps, Lobster Inshore	22,438,000	\$54,520,488	1,787,795	25.00%	171,628,320	12	5,363,385	7,329,261	11	31	11	11	21	11	11	11
MA	Pots and Traps, Lobster Inshore	11,340,200	\$38,299,760	222,531	25.00%	21,382,976	12	687,593	7,329,261	11	31	11	11	21	11	11	11
RI	Pots and Traps, Lobster Inshore	2,513,200	\$7,573,763	216,925	25.00%	20,824,800	12	650,775	7,329,261	11	31	11	11	21	11	21	21
NH	Pots and Traps, Lobster Inshore	666,600	\$1,826,236	81,200	25.00%	8,371,200	12	261,600	7,329,261	11	31	11	11	21	11	21	21
NV	Pots and Traps, Lobster Inshore	953,800	\$2,922,781	77,735	25.00%	7,482,560	12	233,205	7,329,261	11	31	11	11	21	11	21	21
CT	Pots and Traps, Lobster Inshore	NA	NA	41,166	25.00%	3,951,936	12	123,498	7,329,261	31	31	31	11	21	11	21	21
RI	Pots and Traps, Lobster Offshore	3,782,600	\$10,328,811	26,400	25.00%	2,534,400	12	79,200	186,975	11	31	11	11	21	11	21	41
MA	Pots and Traps, Lobster Offshore	3,403,000	\$9,943,681	17,200	25.00%	1,651,200	12	51,600	186,975	11	31	11	11	21	11	21	21
NJ	Pots and Traps, Lobster Offshore	1,613,100	\$3,951,728	9,600	25.00%	921,600	12	28,800	7,329,261	11	31	11	11	21	11	21	21
NV	Pots and Traps, Lobster Offshore	271,400	\$855,585	8,800	25.00%	844,800	12	26,400	186,975	11	31	11	11	21	11	21	41
NY	Pots and Traps, Conch	146,300	\$158,834	7,450	25.00%	715,200	12	22,350	37,803	11	31	11	11	21	11	21	21
CT	Offshore Lobster	NA	NA	6,000	25.00%	576,000	12	18,000	18,000	11	41	11	11	21	11	41	41
NJ	Pots and Traps, Lobster Offshore	158,000	\$412,720	4,725	25.00%	453,600	12	14,175	186,975	11	31	11	11	21	11	21	41
ME	Pots and Traps, Crab, Other	456,700	\$94,955	11,320	10.00%	1,358,400	12	13,584	19,358	11	31	11	11	21	11	21	21
RI	Pots and Traps, Conch	201,100	\$425,084	4,175	25.00%	400,800	12	12,525	37,803	11	31	11	11	21	11	21	21
NJ	Pots and Traps, Crab, Blue	2,014,700	\$1,068,628	9,450	10.00%	1,913,625	12	11,340	19,679	31	31	11	11	21	11	21	21
DE	Pots and Traps, Lobster Offshore	81,200	\$331,296	3,600	25.00%	648,000	12	10,800	186,975	11	31	11	11	21	11	21	21
NV	Pots and Traps, Crab, Blue	301,265	\$177,315	5,734	10.00%	1,181,135	12	6,881	19,679	31	31	11	11	21	11	21	21
NH	Pots and Traps, Lobster Offshore	778,300	\$1,810,730	1,600	25.00%	153,600	12	4,800	186,975	11	31	11	11	21	11	21	21
RI	Pots and Traps, Fish	13,100	\$25,888	NA	NA	NA	NA	NA	11,102	11	31	11	11	21	11	21	21
NV	Gill Nets, Drift, Other	48,100	\$178,647	NA	1.00%	NA	NA	NA	NA	0	11	31	11	21	11	21	21
RI	Pots and Traps, Other	100	\$144	NA	10.00%	1,115,100	12	12,744	12,744	11	31	11	21	11	21	21	21
ME	Pots and Traps, Shrimp	374,100	\$422,167	10,620	10.00%	2,179,050	12	9,552	11,102	11	31	11	21	11	21	21	21
NJ	Pots and Traps, Fish	344,400	\$227,278	7,960	10.00%	278,400	12	3,480	19,358	11	31	11	21	11	21	21	21
NH	Pots and Traps, Crab, Other	40,000	\$15,200	2,900	10.00%	27,800	12	2,760	37,803	11	31	11	21	11	21	21	21
MA	Pots and Traps, Conch	593,800	\$700,300	920	25.00%	77,280	12	2,412	6,059	11	31	11	21	11	21	21	21
NJ	Pots and Traps, Eel	184,100	\$219,709	2,010	10.00%	550,238	12	2,232	19,358	11	31	11	21	11	21	21	21
MA	Pots and Traps, Crab, Other	4,620,000	\$2,553,284	1,860	10.00%	178,560	12	1,680	6,059	11	31	11	21	11	21	21	21
NV	Pots and Traps, Eel	60,600	\$88,948	1,400	10.00%	393,250	12	1,476	6,059	11	31	11	21	11	21	21	21
MA	Pots and Traps, Eel	20,800	\$18,937	1,230	10.00%	147,600	12	1,422	19,679	31	31	11	21	11	21	21	21
DE	Pots and Traps, Crab, Blue	3,145,200	\$1,019,212	11,850	1.00%	2,399,625	12	1,200	11,102	11	31	11	21	11	21	21	21
MA	Pots and Traps, Fish	402,900	\$443,768	1,000	10.00%	120,450	12	981	1,066	11	31	11	21	11	11	11	11
MA	Gill Nets, Other	18,375,100	\$8,724,671	8,179	1.00%	2,239,001	12	405	7,329,261	31	31	31	21	21	21	21	21
DE	Pots and Traps, Lobster Inshore	400	\$1,514	135	25.00%	16,200	12	336	6,059	11	31	11	21	11	21	21	21
RI	Pots and Traps, Eel	900	\$2,281	280	10.00%	76,650	12	193	11,102	11	31	11	21	11	21	21	21
DE	Pots and Traps, Fish	198,800	\$200,165	1605	1.00%	168,525	12	168	37,803	11	31	11	21	11	21	21	21
CT	Pots and Traps, Conch	24,400	\$35,678	70	20.00%	6,720	12	157	11,102	11	31	11	21	11	21	21	21
CT	Pots and Traps, Fish	490,200	\$395,748	1,310	1.00%	125,760	12	127	6,059	11	31	11	21	11	21	21	21
DE	Pots and Traps, Eel	95,400	\$106,400	1055	1.00%	11,078	12	62	19,358	31	31	31	21	21	21	21	21
CT	Pots and Traps, Crab, Other	300	\$64	52	10.00%	4,680	12	42	1,066	11	31	11	21	11	21	21	21
NY	Gill Nets, Other	1,431,785	\$552,779	346	1.00%	94,718	12	36	19,679	31	31	31	21	21	21	21	21
CT	Pots and Traps, Crab, Blue	400	\$200	30	10.00%	2,700	12	29	6,059	11	31	11	21	11	21	21	21
CT	Pots and Traps, Eel	11,900	\$10,423	239	1.00%	22,944	12	23	1,066	11	31	11	21	11	21	21	21
DE	Gill Nets, Other	629,100	\$192,399	188	1.00%	51,465	12	9	1,066	11	31	11	21	11	21	21	21
RI	Gill Nets, Other	676,000	\$444,489	74	1.00%	20,258	12	6	1,066	11	31	11	21	11	21	21	21
ME	Gill Nets, Other	13,273,700	\$5,898,129	51	1.00%	13,961	12	4	1,066	11	31	11	21	11	21	21	21
NH	Gill Nets, Other	3,669,800	\$1,831,255	36	1.00%	9,855	12	1	1,066	11	31	11	21	11	21	21	21
NJ	Gill Nets, Other	587,100	\$145,409	69	0.10%	18,889	12	1	1,066	11	31	11	21	11	21	21	21
CT	Gill Nets, Other	41,050	\$24,025	6	1.00%	1,643	12	1	1,066	11	31	11	21	11	21	21	21
DE	Gill Nets, Stake	Confidential	Confidential	6	1.00%	1,643	12	1	1,066	11	31	11	21	11	21	21	21
CT	Gill Nets, Drift, Other	136,600	\$271,945	83	1.00%	22,721	0.25	0	0	11	31	11	21	11	21	21	21
DE	Gill Nets, Drift, Other	776,300	\$361,478	82	1.00%	8,610	0.25	0	0	11	31	11	21	11	21	21	21
CT	Gill Nets, Drift, Other	333,900	\$233,730	14	1.00%	3,833	0.25	0	0	11	31	11	21	11	21	21	21
DE	Fyke and Hoop Nets, Fish	4,700	\$2,122	12	0.10%	3,285	0.5	0	0	41	31	31	21	21	21	21	21

Table 1F. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Target

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEARLOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
CT	Fyke and Hoop Nets, Fish	4,500	\$1,118	5	0.10%	1,369	0.5	0	0	41	31	11	21	21	21	21	21
CT	Pound Nets, Fish	12,800	\$4,577	1	0.10%	274	0.5	0	0	11	31	11	21	21	21	21	21
ME	Floating traps(Shallow)	84,000	\$27,068	2	0.10%	315	0.5	0	0	31	31	11	21	21	21	21	21
MA	Floating traps(Shallow)	78,300	\$19,327	3	0.10%	821	0.5	0	0	31	31	41	21	21	21	21	21
MA	Gill Nets, Drift, Other	173,700	\$112,091	7	1.00%	1,916	0.25	0	0	11	31	11	21	21	21	21	41
NJ	Gill Nets, Drift, Other	694,900	\$174,813	32	1.00%	8,760	0.25	0	0	11	31	11	21	21	21	21	41
MA	Gill Nets, Drift, Runaround	115,900	\$12,356	1	0.10%	274	0.25	0	0	11	31	11	21	21	21	21	41
NJ	Gill Nets, Drift, Runaround	1,909,000	\$739,420	14	0.10%	3,833	0.25	0	0	11	31	11	21	21	21	21	41
Nr	Gill Nets, Drift, Runaround	4,700	\$1,281	2	0.10%	548	0.25	0	0	11	31	11	21	21	21	21	41
Nr	Gill Nets, Drift, Shad	148,557	\$32,900	40	1.00%	10,950	0.25	0	0	11	31	11	21	21	21	21	41
MA	Pound Nets, Fish	1,930,500	\$1,034,936	15	0.10%	4,106	0.5	0	0	31	31	11	21	21	21	21	41
NJ	Pound Nets, Fish	2,032,400	\$296,752	2	0.10%	548	0.5	0	0	11	31	11	21	21	21	21	41
Nr	Pound Nets, Fish	743,800	\$395,606	70	0.10%	19,163	0.5	0	0	11	31	11	21	21	21	21	41

Table 1G. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Bycatch
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target By-catch	Econ Aesthetic Safety
MA	Gill Nets, Other	18,375,100	\$8,724,671	8,179	1.00%	2,239,001	12	981	1,066	11	31	11	21	11
CT	Pots and Traps, Fish	490,200	\$395,748	1310	1.00%	125,760	12	157	11,102	11	31	11	21	11
CT	Pots and Traps, Eel	11,900	\$10,423	239	1.00%	22,944	12	29	6,059	11	31	11	21	11
DE	Gill Nets, Other	629,100	\$192,399	188	1.00%	51,465	12	23	1,066	11	31	11	21	11
RI	Gill Nets, Other	676,000	\$444,489	74	1.00%	20,258	12	9	1,066	11	31	11	21	11
ME	Gill Nets, Other	13,273,700	\$5,898,129	51	1.00%	13,961	12	6	1,066	11	31	11	21	11
NH	Gill Nets, Other	3,669,600	\$1,831,255	36	1.00%	9,855	12	4	1,066	11	31	11	21	11
NJ	Gill Nets, Other	587,100	\$145,409	69	0.10%	18,889	12	1	1,066	11	31	11	21	11
DE	Gill Nets, Stake	Confidential	Confidential	6	1.00%	1,643	12	1	1,643	11	31	11	21	11
CT	Gill Nets, Drift, Other	138,600	\$271,945	83	1.00%	22,721	0.25	0	0	11	31	11	21	11
CT	Gill Nets, Drift, Other	776,300	\$361,476	82	1.00%	6,610	0.25	0	0	11	31	11	21	11
CT	Gill Nets, Drift, Shad	333,900	\$233,730	14	1.00%	3,833	0.25	0	0	11	31	11	21	11
MA	Gill Nets, Drift, Other	173,700	\$112,091	7	1.00%	1,916	0.25	0	0	11	31	11	21	11
NJ	Gill Nets, Drift, Other	694,900	\$174,813	32	1.00%	8,760	0.25	0	0	11	31	11	21	11
RI	Gill Nets, Drift, Other	10,400	\$35,489	1	1.00%	274	0.25	0	0	11	31	11	21	11
ME	Pots and Traps, Lobster Offshore	175,600	\$633,244	NA	25.00%	NA	NA	NA	NA	186,975	11	31	11	41
MA	Lines Troll, Tuna	400	\$577	NA	0.10%	NA	6	NA	NA	18,000	31	11	41	21
RI	Pots and Traps, Fish	13,100	\$25,888	NA	NA	NA	NA	NA	NA	11,102	11	31	21	21
CT	Lines Hand, Other Fishing Bottom	44,700	\$33,679	51	0.10%	13,961	6	NA	NA	47	31	41	21	21
DE	Lines Hand, Other Fishing Bottom	4,500	\$2,522	76	0.10%	20,805	6	NA	NA	0	31	31	41	21
ME	Bag Nets	48,100	\$178,647	NA	NA	NA	NA	NA	NA	0	31	11	41	21
NJ	Gill Nets, Drift, Other	100	\$144	NA	1.00%	NA	NA	NA	NA	0	11	31	21	21
RI	Pots and Traps, Other	22,438,000	\$54,520,488	1,787,795	25.00%	171,620,320	12	5,363,385	7,329,261	11	31	11	21	11
ME	Pots and Traps, Lobster Inshore	11,340,200	\$38,299,760	222,531	25.00%	21,382,976	12	667,593	7,329,261	11	31	11	21	11
MA	Pots and Traps, Lobster Inshore	2,513,200	\$757,763	216,925	25.00%	20,824,800	12	650,775	7,329,261	11	31	11	21	11
NH	Pots and Traps, Lobster Inshore	666,690	\$1,826,236	87,200	25.00%	8,371,200	12	261,600	7,329,261	11	31	11	21	11
NY	Pots and Traps, Lobster Inshore	953,800	\$2,922,781	77,735	25.00%	7,462,560	12	233,205	7,329,261	11	31	11	21	11
CT	Pots and Traps, Lobster Inshore	NA	NA	411,66	25.00%	3,951,936	12	123,498	7,329,261	11	31	11	21	11
RI	Pots and Traps, Lobster Offshore	3,762,600	\$10,328,811	26,400	25.00%	2,534,400	12	79,200	186,975	11	31	11	21	11
MA	Pots and Traps, Lobster Offshore	3,403,000	\$9,943,681	17,200	25.00%	1,651,200	12	51,600	186,975	11	31	11	21	11
NJ	Pots and Traps, Lobster Inshore	1,613,100	\$3,951,728	9,800	25.00%	921,600	12	28,800	7,329,261	11	31	11	21	11
NY	Pots and Traps, Lobster Offshore	271,400	\$855,595	8800	25.00%	844,800	12	26,400	186,975	11	31	11	21	11
NY	Pots and Traps, Lobster Offshore	146,300	\$158,834	7450	25.00%	715,200	12	22,350	37,803	11	31	11	21	11
CT	Offshore Lobster	NA	NA	6000	25.00%	576,000	12	18,000	18,000	11	41	11	21	11
NJ	Pots and Traps, Lobster Offshore	158,000	\$412,720	4,725	25.00%	453,600	12	14,175	186,975	11	31	11	21	11
ME	Pots and Traps, Crab, Other	456,700	\$94,955	11,320	10.00%	1,358,400	12	13,584	19,358	11	31	11	21	11
ME	Pots and Traps, Shrimp	374,100	\$422,167	10,820	10.00%	1,115,100	12	12,744	12,744	11	31	11	21	11
RI	Pots and Traps, Conch	201,100	\$425,084	4,175	25.00%	400,800	12	12,525	37,803	11	31	11	21	11
NJ	Pots and Traps, Crab, Blue	2,014,700	\$1,068,628	9,450	10.00%	1,913,625	12	11,340	19,679	11	31	11	21	11
DE	Pots and Traps, Lobster Offshore	81,200	\$331,296	3600	25.00%	648,000	12	10,800	186,975	11	31	11	21	11
NJ	Pots and Traps, Fish	344,400	\$227,278	7,960	10.00%	2,179,050	12	9,552	11,102	11	31	11	21	11
NJ	Pots and Traps, Crab, Blue	301,265	\$177,315	5734	10.00%	1,161,135	12	6,881	19,679	11	31	11	21	11
NH	Pots and Traps, Lobster Offshore	778,300	\$1,810,730	1,600	25.00%	153,600	12	4,800	186,975	11	31	11	21	11
NH	Pots and Traps, Crab, Other	40,000	\$152,200	2,900	10.00%	278,400	12	3,480	19,358	11	31	11	21	11
MA	Pots and Traps, Conch	593,800	\$700,300	920	25.00%	77,280	12	2,760	37,803	11	31	11	21	11
NJ	Pots and Traps, Eel	184,100	\$219,709	2,010	10.00%	550,238	12	2,412	6,059	11	31	11	21	11
MA	Pots and Traps, Crab, Other	4,620,000	\$2,553,284	1,660	10.00%	178,560	12	2,232	19,358	11	31	11	21	11
NY	Pots and Traps, Eel	60,600	\$86,948	1,400	10.00%	383,250	12	2,232	6,059	11	31	11	21	11
MA	Pots and Traps, Eel	20,800	\$18,937	1,230	10.00%	147,600	12	1,476	6,059	11	31	11	21	11
DE	Pots and Traps, Crab, Blue	3,145,200	\$1,019,212	1,150	1.00%	2,398,625	12	1,422	19,679	11	31	11	21	11
MA	Pots and Traps, Fish	402,900	\$443,768	1,000	10.00%	120,450	12	1,200	11,102	11	31	11	21	11
DE	Pots and Traps, Lobster Inshore	400	\$1,514	135	25.00%	16,200	12	405	7,329,261	11	31	11	21	11
RI	Pots and Traps, Eel	900	\$2,261	280	10.00%	76,650	12	336	6,059	11	31	11	21	11
DE	Pots and Traps, Fish	198,800	\$200,165	1605	1.00%	168,525	12	193	11,102	11	31	11	21	11

Table 1G. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Bycatch
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
MA	Lines Long Set w/Hooks Top Water	7,462,000	\$12,682,773	29,342	0.10%	8,032,373	6	176	218	11	31	11	41	21	21	21	21
CT	Pots and Traps, Conch	24,400	\$35,678	70	20.00%	6,720	12	168	37,803	11	31	11	21	21	21	21	21
DE	Pots and Traps, Eel	95,400	\$108,400	1055	1.00%	11,078	12	127	6,059	11	31	11	21	21	21	21	21
CT	Pots and Traps, Crab, Other	300	\$64	52	10.00%	4,680	12	62	19,358	31	31	31	21	21	21	21	21
NY	Gill Nets, Other	1,431,785	\$552,779	346	1.00%	94,718	12	42	1,066	11	31	11	21	21	21	21	21
NY	Lines Long Set w/Hooks Top Waters	6,101,200	\$8,936,296	6321	0.10%	1,730,374	6	38	218	11	31	11	41	21	21	21	21
CT	Pots and Traps, Crab, Blue	400	\$200	30	10.00%	2,700	12	36	19,679	31	31	31	21	21	21	21	21
MA	Lines Hand, Other Fishing Bottom	2,090,200	\$4,440,109	4,363	0.10%	1,194,371	6	26	47	31	31	11	41	21	21	21	21
NY	Lines Hand, Other Fishing Bottom	1,726,400	\$2,295,462	3260	0.10%	892,425	6	20	47	31	31	11	41	21	21	21	21
MA	Lines Troll, Other Top Waters	122,500	\$55,767	920	0.10%	251,850	6	6	10	31	31	11	41	21	21	21	21
RI	Lines Troll, Other Top Waters	151,500	\$111,879	800	0.10%	219,000	6	5	10	31	31	11	41	21	21	21	21
NJ	Lines Long Set w/Hooks Top Waters	3,580,900	\$7,238,463	704	0.10%	192,720	6	4	218	11	31	11	41	21	21	21	21
NJ	Lines Hand, Other Fishing Bottom	180,900	\$229,376	221	0.10%	60,499	6	1	47	31	31	11	41	21	21	21	21
CT	Gill Nets, Other	41,050	\$24,025	6	1.00%	1,843	12	1	1,066	11	31	11	21	21	21	21	21
CT	Haul Seines, Beach	NA	NA	11	0.10%	3,011	1	0	0	41	41	41	21	21	21	21	21
DE	Fyke and Hoop Nets, Fish	4,700	\$2,122	12	0.10%	3,285	0.5	0	0	41	41	41	21	21	21	21	21
CT	Fyke and Hoop Nets, Fish	4,500	\$1,118	5	0.10%	1,369	0.5	0	0	41	41	41	21	21	21	21	21
CT	Pound Nets, Fish	12,800	\$4,577	1	0.10%	274	0.5	0	0	41	41	41	21	21	21	21	21
NJ	Lines Troll, Tuna	11,300	\$15,486	16	0.10%	4,380	6	0	0	11	31	11	21	21	21	21	21
RI	Lines Long Set w/Hooks Top Waters	416,700	\$543,279	7	0.10%	1,916	6	0	18,000	31	31	11	41	21	21	21	21
ME	Lines Long Set w/Hooks Top Waters	952,800	\$1,534,470	42	0.10%	11,498	6	0	18,000	31	31	11	41	21	21	21	21
NH	Lines Long Set w/Hooks Top Waters	3,800	\$2,282	3	0.10%	821	6	0	218	11	31	11	41	21	21	21	21
RI	Lines Long Set w/Hooks Top Waters	368,200	\$578,326	20	0.10%	5,475	6	0	218	11	31	11	41	21	21	21	21
ME	Lines Hand, Other Fishing Bottom	196,000	\$188,386	49	0.10%	13,414	6	0	47	11	31	11	41	21	21	21	21
NH	Lines Hand, Other Fishing Bottom	27,800	\$89,239	20	0.10%	5,475	6	0	47	11	31	11	41	21	21	21	21
RI	Lines Hand, Other Fishing Bottom	248,700	\$490,637	23	0.10%	6,286	6	0	47	31	31	11	41	21	21	21	21
NJ	Lines Troll, Other Top Waters	5,800	\$1,746	12	0.10%	3,285	6	0	10	31	31	11	41	21	21	21	21
MA	Dp Nets, Common	38,200	\$86,973	55	0.01%	15,056	1	0	10	31	31	11	41	21	21	21	21
ME	Floating traps (Shallow)	84,000	\$27,066	2	0.10%	315	0.5	0	0	41	41	41	21	21	21	21	21
MA	Floating traps (Shallow)	78,300	\$19,327	3	0.10%	821	0.5	0	0	31	31	11	21	21	21	21	21
RI	Floating traps (Shallow)	2,869,800	\$714,553	22	0.10%	8,023	0.5	0	0	31	31	41	21	21	21	21	21
NJ	Fyke and Hoop Nets, Fish	44,300	\$37,568	95	0.10%	26,006	0.5	0	0	31	31	11	41	21	21	21	21
NY	Fyke and Hoop Nets, Fish	102,800	\$111,015	74	0.10%	20,258	0.5	0	0	41	41	41	21	21	21	21	21
RI	Fyke and Hoop Nets, Fish	8,600	\$10,681	14	0.10%	2,538	0.5	0	0	41	41	41	21	21	21	21	21
MA	Gill Nets, Drift, Runaround	115,900	\$12,356	1	0.10%	274	0.25	0	0	31	31	11	41	21	21	21	21
NJ	Gill Nets, Drift, Runaround	1,909,000	\$739,420	14	0.10%	3,833	0.25	0	0	11	31	11	21	21	21	21	21
NY	Gill Nets, Drift, Runaround	4,700	\$1,281	2	0.10%	548	0.25	0	0	11	31	11	21	21	21	21	21
NY	Gill Nets, Drift, Shad	148,557	\$32,900	40	1.00%	10,950	0.25	0	0	11	31	11	21	21	21	21	21
MA	Haul Seines, Long (Danish)	771,500	\$539,291	8	0.10%	2,190	1	0	0	11	31	11	21	21	21	21	21
MA	Pound Nets, Fish	1,930,500	\$1,034,936	15	0.10%	4,106	0.5	0	0	31	31	11	41	21	21	21	21
NJ	Pound Nets, Fish	2,032,400	\$296,752	2	0.10%	548	0.5	0	0	31	31	11	21	21	21	21	21
NY	Pound Nets, Fish	743,800	\$395,606	70	0.10%	19,163	0.5	0	0	11	31	11	21	21	21	21	21

Table 1H. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Econ
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR AVAILABLE PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target By-catch	Econ	Aesthetic	Safety
ME	Pots and Traps, Lobster Offshore	175,600	\$633,244	NA	25.00%	171,828	320	12	NA	186,975	11	31	11	11	21	21
ME	Pots and Traps, Lobster Inshore	22,438,000	\$54,520,468	1,787,795	25.00%	171,828	320	12	NA	5,363,385	7,329,261	11	31	11	11	11
MA	Pots and Traps, Lobster Inshore	11,340,200	\$34,299,760	222,531	25.00%	21,362,976	12	12	667,593	7,329,261	11	31	11	11	11	11
RI	Pots and Traps, Lobster Inshore	2,513,200	\$1,573,763	219,824	25.00%	20,824,280	12	12	650,775	7,329,261	11	31	11	11	21	21
NH	Pots and Traps, Lobster Inshore	666,890	\$1,826,236	87,200	25.00%	8,371,200	12	12	261,600	7,329,261	11	31	11	11	21	21
NJ	Pots and Traps, Lobster Inshore	953,800	\$2,922,781	777,35	25.00%	7,462,560	12	12	233,205	7,329,261	11	31	11	11	21	21
CT	Pots and Traps, Lobster Inshore	NA	NA	411,66	25.00%	3,951,936	12	12	123,498	7,329,261	31	31	11	11	11	21
RI	Pots and Traps, Lobster Offshore	3,762,600	\$10,328,811	26,400	25.00%	2,534,400	12	12	79,200	186,975	11	31	11	11	21	21
MA	Pots and Traps, Lobster Offshore	3,403,000	\$9,943,681	17,200	25.00%	1,651,200	12	12	51,800	186,975	11	31	11	11	21	21
NJ	Pots and Traps, Lobster Inshore	1,613,100	\$3,951,726	9,600	25.00%	821,800	12	12	28,800	7,329,261	11	31	11	11	21	21
NY	Pots and Traps, Lobster Offshore	271,400	\$655,585	8800	25.00%	844,800	12	12	26,400	186,975	11	31	11	11	21	21
NY	Pots and Traps, Lobster Offshore	146,300	\$159,834	7450	25.00%	715,200	12	12	22,350	37,803	11	31	11	11	21	21
CT	Offshore Lobster	NA	NA	6000	25.00%	576,000	12	12	18,000	18,000	11	41	11	11	21	21
ME	Pots and Traps, Lobster Offshore	158,000	\$412,720	4,725	25.00%	453,600	12	12	14,175	186,975	11	31	11	11	21	21
ME	Pots and Traps, Crab/Other	456,700	\$94,955	11,320	10.00%	1,358,400	12	12	13,584	19,358	11	31	11	11	21	21
RI	Pots and Traps, Crab/Other	201,100	\$425,084	4,175	25.00%	400,800	12	12	12,525	37,803	11	31	11	11	21	21
DE	Pots and Traps, Crab/Blue	2,014,700	\$1,068,628	9,450	10.00%	1,913,825	12	12	11,340	19,679	31	31	11	11	21	21
NJ	Pots and Traps, Lobster Offshore	81,200	\$331,296	3600	25.00%	648,000	12	12	10,800	186,975	11	31	11	11	21	21
NJ	Pots and Traps, Crab/Blue	301,265	\$177,315	5734	10.00%	1,161,135	12	12	6,881	19,679	31	31	11	11	21	21
DE	Pots and Traps, Lobster Offshore	778,300	\$1,810,730	1,600	25.00%	153,600	12	12	4,800	186,975	11	31	11	11	21	21
NH	Pots and Traps, Crab/Blue	3,145,200	\$1,019,212	11,850	1.00%	2,399,825	12	12	1,422	19,679	31	31	11	11	21	21
DE	Gill Nets, Other	18,375,100	\$6,724,671	8,179	1.00%	2,339,001	12	12	981	1,066	11	31	11	11	11	11
DE	Pots and Traps, Fish	198,800	\$200,165	1605	1.00%	188,525	12	12	193	11,102	11	31	11	11	21	21
CT	Pots and Traps, Fish	490,200	\$395,748	1310	1.00%	125,760	12	12	157	11,102	11	31	11	11	21	21
DE	Pots and Traps, Eel	95,400	\$106,400	1055	1.00%	11,078	12	12	127	6,059	11	31	11	11	21	21
NJ	Gill Nets, Other	1,431,785	\$552,779	346	1.00%	94,718	12	12	42	1,066	11	31	11	11	21	21
CT	Pots and Traps, Eel	11,900	\$18,423	239	1.00%	22,944	12	12	29	6,059	11	31	11	11	21	21
RI	Gill Nets, Other	629,100	\$192,399	188	1.00%	51,465	12	12	23	1,066	11	31	11	11	21	21
RI	Gill Nets, Other	676,000	\$444,489	74	1.00%	20,258	12	12	9	1,066	11	31	11	11	21	21
ME	Gill Nets, Other	13,273,700	\$5,898,129	51	1.00%	13,961	12	12	6	1,066	11	31	11	11	21	21
NH	Gill Nets, Other	3,669,800	\$1,831,255	36	1.00%	9,855	12	12	4	1,066	11	31	11	11	21	21
NJ	Gill Nets, Other	587,100	\$145,409	69	0.10%	18,889	12	12	1	1,066	11	31	11	11	21	21
DE	Gill Nets, Slake	Confidential	Confidential	6	1.00%	1,643	12	12	1	1,066	11	31	11	11	21	21
DE	Gill Nets, Drift, Other	776,300	\$361,476	82	1.00%	8,610	0.25	0.25	0	1	11	31	11	11	21	21
MA	Lines Troll, Tuna	400	\$577	NA	0.10%	NA	6	6	NA	NA	0	11	31	11	11	21
RI	Pots and Traps, Fish	13,100	\$25,686	NA	NA	NA	NA	NA	NA	18,000	31	31	11	11	21	21
CT	Lines Hand, Other Fishing Bottom	NA	NA	NA	0.10%	13,961	6	6	NA	11,102	11	31	11	11	21	21
DE	Lines Hand, Other Fishing Bottom	44,700	\$33,679	51	0.10%	20,805	6	6	NA	47	31	41	31	21	21	21
ME	Bag Nets	4,500	\$2,522	NA	NA	NA	NA	NA	NA	NA	0	31	31	21	21	21
NJ	Oter Trawl Midwater	48,100	\$178,647	NA	1.00%	NA	NA	NA	NA	NA	0	31	31	21	21	21
RI	Pots and Traps, Other	1,093,400	\$373,135	NA	0.01%	NA	0	0	NA	NA	0	11	31	11	21	21
ME	Pots and Traps, Other	100	\$144	NA	NA	NA	0	0	NA	NA	0	11	31	11	21	21
MA	Purse Seines, Menhaden	1,213,400	\$36,509	NA	0.10%	NA	0.25	0.25	NA	NA	0	11	31	11	21	21
RI	Purse Seines, Menhaden	16,499,900	\$794,994	NA	NA	NA	NA	NA	NA	NA	0	41	41	41	21	21
ME	Purse Seines, Other	200	\$23	NA	0.10%	NA	NA	NA	NA	NA	0	41	41	41	21	21
MA	Purse Seines, Tuna	760,900	\$5,284,257	NA	0.10%	NA	0.25	0.25	NA	NA	0	41	41	41	21	21
RI	Purse Seines, Tuna	161,000	\$311,368	NA	NA	NA	NA	NA	NA	NA	0	41	41	41	21	21
RI	Trawl Midwater, Paired	181,000	\$118,484	NA	NA	NA	NA	NA	NA	NA	0	41	41	41	21	21
ME	Pots and Traps, Shrimp	374,100	\$422,187	10,620	10.00%	1,115,100	12	12	12,744	12,744	11	31	11	21	21	21
NH	Pots and Traps, Fish	344,400	\$227,278	7,960	10.00%	2,179,050	12	12	9,552	11,102	11	31	11	21	21	21
NJ	Pots and Traps, Crab/Other	40,000	\$15,200	2,900	10.00%	278,400	12	12	3,480	19,358	11	31	11	21	21	21
MA	Pots and Traps, Crab/Other	593,800	\$700,300	920	25.00%	77,280	12	12	2,760	37,803	11	31	11	21	21	21
NJ	Pots and Traps, Eel	184,100	\$219,709	2,010	10.00%	550,238	12	12	2,412	6,059	11	31	11	21	21	21
MA	Pots and Traps, Crab/Other	4,620,000	\$2,553,284	1,860	10.00%	178,560	12	12	2,232	19,358	11	31	11	21	21	21
NJ	Pots and Traps, Eel	60,600	\$89,948	1400	10.00%	383,250	12	12	1,680	6,059	11	31	11	21	21	21

Table 1H. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Econ
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
MA	Pots and Traps, Eel	20,800	\$18,937	1,230	10.00%	147,800	12	1,476	6,059	11	31	11	21	21	21	21	21
MA	Pots and Traps, Fish	402,900	\$443,768	1,000	10.00%	120,450	12	1,200	11,102	11	31	11	21	21	21	21	21
DE	Pots and Traps, Lobster Inshore	400	\$1,514	135	25.00%	16,200	12	405	7,329,281	31	31	31	21	21	21	21	21
RI	Pots and Traps, Eel	900	\$2,261	280	10.00%	76,850	12	336	6,059	11	31	11	21	21	21	21	21
MA	Lines Long Set w/Hooks Top Waters	7,462,000	\$12,682,773	29,342	0.10%	8,032,373	6	176	218	11	31	11	41	21	21	21	21
CT	Pots and Traps, Conch	24,400	\$35,678	70	20.00%	6,720	12	168	37,803	11	31	11	21	21	21	21	21
CT	Pots and Traps, Crab/Other	300	\$64	52	10.00%	4,680	12	62	19,358	31	31	31	21	21	21	21	21
NJ	Lines Long Set w/Hooks Top Waters	6,101,200	\$8,936,296	6321	0.10%	1,730,374	6	38	218	11	31	11	41	21	21	21	21
CT	Pots and Traps, Crab/Blue	400	\$200	30	10.00%	2,700	12	36	19,879	31	31	31	21	21	21	21	21
MA	Lines Hand, Other Fishing Bottom	2,090,200	\$4,440,109	4,363	0.10%	1,194,371	6	26	47	31	11	41	21	21	21	21	21
NJ	Lines Hand, Other Fishing Bottom	1,726,400	\$2,295,462	3260	0.10%	892,425	6	20	47	31	11	41	21	21	21	21	21
MA	Lines Troll, Other Top Waters	122,500	\$53,767	320	0.10%	251,850	6	5	10	31	31	11	41	21	21	21	21
RI	Lines Troll, Other Top Waters	151,500	\$111,879	800	0.10%	219,000	6	5	10	31	31	11	41	21	21	21	21
NJ	Lines Long Set w/Hooks Top Waters	3,580,900	\$7,238,463	704	0.10%	192,720	6	4	218	11	31	11	41	21	21	21	21
MA	Other Trawl Bottom, Fish	130,247,500	\$102,053,345	470	2.70%	771,975	0.25	3	5	41	41	41	21	21	21	21	21
NJ	Lines Hand, Other Fishing Bottom	180,900	\$229,376	221	0.10%	60,499	6	1	47	31	31	11	41	21	21	21	21
CT	Other Trawl Bottom, Fish	4,232,800	\$3,722,436	81	5.00%	110,869	0.25	1	5	41	41	41	21	21	21	21	21
ME	Other Trawl Bottom, Shrimp	9,432,200	\$9,860,198	143	2.70%	77,220	0.25	1	1,066	11	31	11	21	21	21	21	21
CT	Gill Nets, Other	41,050	\$24,025	6	1.00%	1,843	12	1	1	41	41	41	21	21	21	21	21
ME	Other Trawl Bottom, Fish	45,034,100	\$32,202,625	88	2.70%	144,540	0.25	1	5	41	41	41	21	21	21	21	21
RI	Other Trawl Bottom, Fish	67,915,900	\$36,017,827	81	2.70%	133,043	0.25	1	5	41	41	41	21	21	21	21	21
MA	Other Trawl Bottom, Shrimp	4,014,000	\$3,366,813	76	2.70%	61,560	0.25	1	1	41	41	41	21	21	21	21	21
CT	Gill Nets, Drift, Other	136,600	\$271,945	83	1.00%	22,721	0.25	0	0	11	31	11	21	21	21	21	21
CT	Other Trawl Bottom, Lobster	37,352	\$126,998	11	5.00%	3,011	0.25	0	0	41	41	41	21	21	21	21	21
CT	Gill Nets, Drift, Shad	333,900	\$233,730	14	1.00%	3,833	0.25	0	0	11	31	11	21	21	21	21	21
CT	Haul Seines, Beach	NA	NA	11	0.10%	3,011	1	0	0	41	41	41	21	21	21	21	21
DE	Fyke and Hoop Nets, Fish	4,700	\$2,122	12	0.10%	3,285	0.5	0	0	41	41	41	21	21	21	21	21
CT	Fyke and Hoop Nets, Fish	4,500	\$1,116	5	0.10%	1,369	0.5	0	0	41	41	41	21	21	21	21	21
CT	Pound Nets, Fish	12,800	\$4,577	1	0.10%	274	0.5	0	0	41	41	41	21	21	21	21	21
NJ	Lines Troll, Tuna	11,300	\$15,486	16	0.10%	4,380	6	0	0	11	31	11	21	21	21	21	21
RI	Lines Troll, Tuna	416,700	\$543,279	7	0.10%	1,916	6	0	18,000	31	31	11	41	21	21	21	21
ME	Lines Long Set w/Hooks Top Waters	952,900	\$1,534,470	42	0.10%	11,498	6	0	18,000	31	31	11	41	21	21	21	21
NH	Lines Long Set w/Hooks Top Waters	3,900	\$2,282	3	0.10%	821	6	0	218	11	31	11	41	21	21	21	21
RI	Lines Long Set w/Hooks Top Waters	368,200	\$578,326	20	0.10%	5,475	6	0	218	11	31	11	41	21	21	21	21
ME	Lines Hand, Other Fishing Bottom	196,000	\$188,386	49	0.10%	13,414	6	0	47	11	31	11	41	21	21	21	21
NH	Lines Hand, Other Fishing Bottom	27,900	\$89,239	20	0.10%	5,475	6	0	47	11	31	11	41	21	21	21	21
RI	Lines Hand, Other Fishing Bottom	248,700	\$490,637	23	0.10%	6,296	6	0	47	11	31	11	41	21	21	21	21
NJ	Lines Troll, Other Top Waters	5,800	\$1,746	12	0.10%	3,285	6	0	10	31	31	11	41	21	21	21	21
NH	Other Trawl Bottom, Fish	2,946,200	\$2,159,381	40	2.70%	65,700	0.25	0	5	41	41	41	21	21	21	21	21
NJ	Other Trawl Bottom, Fish	35,442,800	\$14,204,277	70	2.70%	114,975	0.25	0	5	41	41	41	21	21	21	21	21
NJ	Other Trawl Bottom, Fish	21,919,100	\$15,534,360	74	2.70%	121,545	0.25	0	5	41	41	41	21	21	21	21	21
NH	Other Trawl Bottom, Shrimp	498,200	\$488,653	7	2.70%	5,670	0.25	0	5	41	41	41	21	21	21	21	21
MA	Dp Nets, Common	36,200	\$86,973	55	0.01%	15,056	1	0	1	41	41	41	21	21	21	21	21
CT	Dredges, Clam	316,020	\$310,457	9	0.10%	9,308	0	0	0	41	41	41	21	21	21	21	21
CT	Dredges, Scallop, Sea	536,854	\$3,899,292	34	0.10%	9,308	0	0	0	41	41	41	21	21	21	21	21
CT	Dredges, Scallop, Sea	130,000	\$520,000	5	0.10%	1,369	0	0	0	41	41	41	21	21	21	21	21
ME	Floating traps(Shallow)	84,000	\$27,066	2	0.10%	315	0.5	0	0	41	41	41	21	21	21	21	21
MA	Floating traps(Shallow)	78,300	\$19,327	3	0.10%	821	0.5	0	0	31	31	11	21	21	21	21	21
RI	Floating traps(Shallow)	2,869,600	\$714,553	22	0.10%	6,023	0.5	0	0	31	31	11	21	21	21	21	21
NJ	Fyke and Hoop Nets, Fish	44,300	\$37,568	95	0.10%	26,006	0.5	0	0	31	31	11	41	21	21	21	21
NJ	Fyke and Hoop Nets, Fish	102,800	\$111,015	74	0.10%	20,258	0.5	0	0	41	41	41	21	21	21	21	21
RI	Fyke and Hoop Nets, Fish	8,600	\$10,681	14	0.10%	3,833	0.5	0	0	31	31	11	41	21	21	21	21
MA	Gill Nets, Drift, Other	173,700	\$112,091	7	1.00%	1,916	0.25	0	0	31	31	11	41	21	21	21	21
NJ	Gill Nets, Drift, Other	694,900	\$174,813	32	1.00%	8,760	0.25	0	0	11	31	11	21	21	21	21	21
RI	Gill Nets, Drift, Other	10,400	\$35,459	1	1.00%	274	0.25	0	0	11	31	11	41	21	21	21	21

Table 1H. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Econ
Secondary Sort: Lost Gear Interaction Factor

STATE	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
MA	115,900	\$12,356	1	0.10%	274	0.25	0	0	0	11	31	11	21	21	21	41
NJ	1,909,000	\$739,420	14	0.10%	3,853	0.25	0	0	0	11	31	11	21	21	21	41
NJ	4,700	\$1,281	2	0.10%	548	0.25	0	0	0	11	31	11	21	21	21	41
NJ	148,557	\$32,900	40	1.00%	10,950	0.25	0	0	0	11	31	11	21	21	21	41
MA	771,500	\$539,291	8	0.10%	2,190	1	0	0	0	31	31	11	41	21	21	41
MA	141,300	\$383,056	2	2.70%	3,285	0.25	0	0	0	41	41	41	41	41	21	41
NJ	48,300	\$73,375	2	2.70%	2,160	0.25	0	0	0	41	41	41	41	41	21	41
NJ	172,600	\$636,459	13	2.70%	21,353	0.25	0	0	0	41	41	41	41	41	21	41
NJ	66,000	\$218,894	3	2.70%	4,928	0.25	0	0	0	41	41	41	41	41	21	41
RI	21,900	\$29,367	1	0.10%	1,843	0.25	0	0	0	41	41	41	41	41	21	41
MA	1,930,500	\$1,034,936	15	0.10%	4,106	0.5	0	0	0	31	31	11	21	21	21	41
NJ	2,032,400	\$296,752	2	0.10%	548	0.5	0	0	0	11	31	11	21	21	21	41
NJ	743,800	\$395,606	70	0.10%	19,163	0.5	0	0	0	11	31	11	21	21	21	41
NH	Confidential	Confidential	3	0.10%	1,843	0.25	0	0	0	41	41	41	41	41	21	41
ME	41,743,000	\$2,324,427	100	0.10%	31,500	0.25	0	0	0	41	41	41	41	41	21	41
MA	38,758,400	\$1,760,669	11	0.10%	6,023	0.25	0	0	0	41	41	41	41	41	21	41
RI	4,300	\$642	1	0.10%	274	0.25	0	0	0	41	41	41	41	41	21	41
ME	13,300	\$6,266	2	0.10%	630	0.25	0	0	0	41	41	41	41	41	21	41
ME	18,668,600	\$347,500	2	0.10%	630	0.25	0	0	0	41	41	41	41	41	21	41
NJ	664,600	\$46,445	1	0.10%	360	0.25	0	0	0	41	41	41	41	41	21	41
NJ	11,000	\$8,259	1	0.10%	548	0.25	0	0	0	41	41	41	41	41	21	41
NJ	448,900	\$402,901	12	0.10%	3,285	0.25	0	0	0	41	41	41	41	41	21	41
ME	2,700,300	\$186,784	20	0.10%	5,475	0.25	0	0	0	41	41	41	41	41	21	41
MA	469,100	\$437,827	3	0.10%	4,928	0.25	0	0	0	41	41	41	41	41	21	41

Table 11. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Aesthetic
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR AVAILABLE PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER GEAR	REGIONAL INTERACTION FACTOR (MONTHS/YEAR)	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
ME	Pots and Traps, Lobster Inshore	22,438,000	\$54,520,468	1,787,795	25.00%	171,628,320	12	5,383,385	7,329,261	11	31	11	11	21	11	11
MA	Pots and Traps, Lobster Inshore	11,340,200	\$38,299,760	222,531	25.00%	21,362,876	12	687,593	7,329,261	11	31	11	11	21	11	11
NY	Pots and Traps, Lobster Inshore	953,800	\$2,922,781	77,735	25.00%	7,482,560	12	233,205	7,329,261	11	31	11	11	21	11	11
CT	Pots and Traps, Lobster Inshore	NA	NA	41,166	25.00%	3,951,936	12	123,498	7,329,261	31	31	11	11	21	11	21
NJ	Pots and Traps, Lobster Inshore	1,613,100	\$3,951,726	9,600	25.00%	921,600	12	28,800	7,329,261	11	31	11	11	21	11	21
ME	Pots and Traps, Crab, Other	456,700	\$94,955	11,320	10.00%	1,358,400	12	13,584	19,358	11	31	11	11	21	11	21
NJ	Pots and Traps, Crab, Blue	2,014,700	\$1,068,828	9,450	10.00%	1,913,625	12	11,340	19,679	31	31	11	11	21	11	21
MA	Pots and Traps, Crab, Other	4,620,000	\$2,553,284	1,860	10.00%	1,781,560	12	2,232	19,358	11	31	11	11	21	11	21
MA	Gill Nets, Other	18,375,100	\$8,724,671	8,179	1.00%	2,239,001	12	981	11,102	11	31	11	11	21	11	21
CT	Pots and Traps, Fish	490,200	\$395,748	1310	1.00%	1,255,760	12	157	11,102	11	31	11	11	21	11	21
CT	Gill Nets, Drift, Other	136,600	\$271,945	83	1.00%	22,721	0.25	0	0	11	31	11	11	21	11	21
CT	Gill Nets, Drift, Shad	333,900	\$233,730	14	1.00%	3,833	0.25	0	0	11	31	11	11	21	11	21
MA	Gill Nets, Drift, Other	173,700	\$112,091	7	1.00%	1,916	0.25	0	0	11	31	11	11	21	11	21
ME	Pots and Traps, Lobster Offshore	175,600	\$633,244	NA	NA	NA	NA	NA	186,975	11	31	11	11	21	11	21
MA	Lines Troll, Tuna	400	\$577	NA	0.10%	NA	NA	NA	18,000	31	31	11	11	21	11	21
RI	Pots and Traps, Fish	13,100	\$25,888	NA	NA	NA	6	NA	11,102	11	31	11	11	21	11	21
CT	Lines Hand, Other Fishing Bottom	NA	NA	51	0.10%	13,961	6	NA	11,102	11	31	11	11	21	11	21
DE	Lines Hand, Other Fishing Bottom	44,700	\$33,678	76	0.10%	20,805	6	NA	11,102	11	31	11	11	21	11	21
ME	Bag Nets	4,500	\$2,522	NA	NA	NA	NA	NA	47	31	31	11	11	21	11	21
NY	Gill Nets, Drift, Other	48,100	\$178,647	NA	1.00%	NA	NA	NA	0	11	31	11	11	21	11	21
RI	Pots and Traps, Other	100	\$144	NA	NA	NA	NA	NA	0	11	31	11	11	21	11	21
RI	Pots and Traps, Lobster Inshore	2,513,200	\$7,573,763	216,925	25.00%	20,824,800	12	650,775	7,329,261	11	31	11	11	21	11	21
NH	Pots and Traps, Lobster Inshore	666,690	\$1,826,236	97,200	25.00%	8,371,200	12	261,600	7,329,261	11	31	11	11	21	11	21
RI	Pots and Traps, Lobster Offshore	3,762,600	\$10,328,811	26,400	25.00%	2,534,400	12	79,200	186,975	11	31	11	11	21	11	21
MA	Pots and Traps, Lobster Offshore	3,403,000	\$9,943,681	17,200	25.00%	1,651,200	12	51,600	186,975	11	31	11	11	21	11	21
NY	Pots and Traps, Lobster Offshore	271,400	\$855,585	8,800	25.00%	844,800	12	26,400	186,975	11	31	11	11	21	11	21
NY	Pots and Traps, Conch	146,300	\$158,834	7,450	25.00%	715,200	12	22,350	37,803	11	31	11	11	21	11	21
ME	Pots and Traps, Shrimp	158,000	\$412,720	4,725	25.00%	453,600	12	14,175	186,975	11	31	11	11	21	11	21
NJ	Pots and Traps, Conch	374,100	\$422,167	10,620	10.00%	1,115,100	12	12,744	12,744	11	31	11	11	21	11	21
ME	Pots and Traps, Conch	201,100	\$425,084	4,175	25.00%	400,800	12	12,525	37,803	11	31	11	11	21	11	21
DE	Pots and Traps, Lobster Offshore	81,200	\$331,296	3,600	25.00%	648,000	12	10,800	186,975	11	31	11	11	21	11	21
NJ	Pots and Traps, Fish	344,400	\$227,278	7,960	10.00%	2,179,050	12	9,552	11,102	11	31	11	11	21	11	21
NY	Pots and Traps, Crab, Blue	301,265	\$177,315	5734	10.00%	1,181,135	12	6,881	19,679	31	31	11	11	21	11	21
NH	Pots and Traps, Lobster Offshore	778,300	\$1,810,730	1,600	25.00%	153,600	12	4,800	186,975	11	31	11	11	21	11	21
NH	Pots and Traps, Crab, Other	40,000	\$15,200	2,900	10.00%	278,400	12	3,480	19,358	11	31	11	11	21	11	21
MA	Pots and Traps, Conch	593,800	\$700,300	920	25.00%	77,280	12	2,760	37,803	11	31	11	11	21	11	21
NJ	Pots and Traps, Eel	184,100	\$219,709	2,010	10.00%	550,238	12	2,412	6,059	11	31	11	11	21	11	21
NY	Pots and Traps, Eel	60,600	\$88,948	1,400	10.00%	383,250	12	1,680	6,059	11	31	11	11	21	11	21
MA	Pots and Traps, Eel	20,800	\$18,937	1,230	10.00%	147,600	12	1,476	6,059	11	31	11	11	21	11	21
DE	Pots and Traps, Crab, Blue	3,145,200	\$1,019,212	1,1850	1.00%	2,399,625	12	1,422	19,679	31	31	11	11	21	11	21
MA	Pots and Traps, Fish	402,900	\$443,768	1,000	10.00%	120,450	12	1,200	11,102	11	31	11	11	21	11	21
DE	Pots and Traps, Lobster Inshore	400	\$1,514	135	25.00%	16,200	12	405	7,329,261	31	31	11	11	21	11	21
RI	Pots and Traps, Eel	900	\$2,261	280	10.00%	76,650	12	336	6,059	11	31	11	11	21	11	21
DE	Pots and Traps, Fish	198,800	\$200,165	1,605	1.00%	168,525	12	193	11,102	11	31	11	11	21	11	21
MA	Lines Long Set w/Hooks Top Waters	7,482,000	\$12,682,773	29,342	0.10%	8,032,373	6	176	218	11	31	11	11	21	11	21
CT	Pots and Traps, Conch	24,400	\$35,678	70	20.00%	6,720	12	168	37,803	11	31	11	11	21	11	21
DE	Pots and Traps, Eel	95,400	\$106,400	1055	1.00%	11,078	12	127	6,059	11	31	11	11	21	11	21
CT	Pots and Traps, Crab, Other	300	\$64	52	10.00%	4,680	12	62	19,358	31	31	11	11	21	11	21
NY	Gill Nets, Other	1,431,785	\$552,779	346	1.00%	94,718	12	42	1,066	11	31	11	11	21	11	21
NY	Lines Long Set w/Hooks Top Waters	6,101,200	\$9,936,296	6321	0.10%	1,730,374	6	38	218	11	31	11	11	21	11	21
CT	Pots and Traps, Crab, Blue	400	\$200	30	10.00%	2,700	12	36	19,679	31	31	11	11	21	11	21
CT	Pots and Traps, Eel	11,900	\$10,423	239	1.00%	22,944	12	29	6,059	11	31	11	11	21	11	21
MA	Lines Hand, Other Fishing Bottom	2,090,200	\$4,440,109	4,393	0.10%	1,194,371	6	26	47	31	31	11	11	21	11	21
DE	Gill Nets, Other	829,100	\$192,399	188	1.00%	51,465	12	23	1,066	11	31	11	11	21	11	21
NY	Lines Hand, Other Fishing Bottom	1,726,400	\$2,295,462	3260	0.10%	892,425	6	20	47	31	31	11	11	21	11	21

Table 11. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Aesthetic
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
RI	Gill Nets, Other	676,000	\$444,489	74	1.00%	20,258	12	9	1,066	11	31	11	21	11	11	21	21
ME	Gill Nets, Other	13,273,700	\$5,898,129	51	1.00%	13,961	12	8	1,066	11	31	11	21	11	11	21	21
MA	Lines Trawl, Other Top Waters	122,500	\$53,767	920	0.10%	251,850	6	6	10	31	11	41	41	21	11	21	21
MA	Gill Nets, Other	3,669,800	\$1,831,255	36	1.00%	9,855	12	4	1,066	11	31	11	21	11	11	21	21
NH	Lines Long Set w/Hooks Top Waters	3,580,900	\$7,238,463	704	0.10%	192,720	6	4	218	11	31	11	41	21	21	21	21
NJ	Other Trawl Bottom, Fish	4,232,800	\$3,722,436	81	5.00%	110,869	0.25	1	5	41	11	41	41	41	21	21	21
CT	Gill Nets, Other	587,100	\$145,409	69	0.10%	18,889	12	1	1,066	11	31	11	21	11	11	21	21
CT	Gill Nets, Other	41,050	\$24,025	6	1.00%	1,843	12	1	1,066	11	31	11	21	11	11	21	21
DE	Gill Nets, Stake	Confidential	Confidential	6	1.00%	1,843	12	1	1	11	31	11	21	11	11	21	21
DE	Gill Nets, Drift, Other	776,300	\$361,476	82	1.00%	8,610	0.25	0	1	11	31	11	21	11	11	21	21
CT	Other Trawl Bottom, Lobster	37,352	\$126,998	11	5.00%	3,011	0.25	0	0	41	41	11	41	41	21	21	21
CT	Haul Seines, Beach	NA	NA	11	0.10%	3,011	1	0	0	41	41	41	41	41	21	21	21
DE	Fyke and Hoop Nets, Fish	4,700	\$2,122	12	0.10%	3,285	0.5	0	0	41	31	31	21	21	21	21	21
CT	Pound Nets, Fish	4,500	\$1,118	5	0.10%	1,369	0.5	0	0	41	31	11	21	21	21	21	21
CT	Dp Nets, Common	12,800	\$4,577	1	0.10%	274	0.5	0	0	11	31	11	21	21	21	21	21
ME	Lines Long Set w/Hooks Top Waters	900	\$275	2	0.01%	548	0.25	0	0	41	41	41	41	41	41	21	21
ME	Lines Hand, Other Fishing Bottom	952,900	\$1,534,470	42	0.10%	11,498	6	8	218	11	31	11	41	41	21	21	21
NJ	Other Trawl Bottom, Fish	196,000	\$188,386	49	0.10%	13,414	6	0	47	11	31	11	41	41	21	21	21
MA	Dp Nets, Common	35,442,800	\$14,204,277	70	2.70%	114,975	0.25	0	5	41	41	41	41	41	21	21	21
CT	Dredges, Clam	38,200	\$86,973	55	0.01%	15,056	1	0	0	41	41	41	41	41	21	21	21
CT	Dredges, Oyster Common	316,020	\$310,457	9	0.10%	2,464	0	0	0	41	41	41	41	41	41	21	21
CT	Dredges, Scallop, Sea	536,854	\$3,898,292	34	0.10%	9,308	0	0	0	41	41	41	41	41	41	21	21
ME	Floating traps(Shallow)	130,000	\$520,000	5	0.10%	1,369	0	0	0	41	41	41	41	41	41	21	21
MA	Floating traps(Shallow)	84,000	\$27,066	2	0.10%	315	0.5	0	0	31	31	11	21	21	21	21	21
MA	Gill Nets, Drift, Other	78,300	\$19,327	3	0.10%	821	0.5	0	0	31	31	41	21	21	21	21	21
MA	Gill Nets, Drift, Runaround	694,900	\$174,813	32	1.00%	8,760	0.25	0	0	11	31	11	21	11	21	21	21
MA	Haul Seines, Beach	115,900	\$12,358	1	0.10%	274	0.25	0	0	11	31	11	21	11	21	21	21
MA	Haul Seines, Long(Danish)	19,500	\$4,450	2	0.01%	548	0.25	0	0	11	31	11	21	11	21	21	21
MA	Pound Nets, Fish	771,500	\$539,291	8	0.10%	2,190	1	0	0	31	31	11	41	41	21	21	21
MA	Purse Seines, Herring	1,930,500	\$1,034,936	15	0.10%	4,106	0.5	0	0	31	31	11	41	41	21	21	21
ME		41,743,000	\$2,324,427	100	0.10%	31,500	0.25	0	0	41	41	41	41	41	41	21	21

Table 1J. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Safety

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
ME	Pots and Traps, Lobster Inshore	22,438,000	\$54,520,468	1,787,795	25.00%	171,828,320	12	5,363,385	7,329,261	11	31	11	11	21	11	11	11
MA	Pots and Traps, Lobster Inshore	11,340,200	\$38,299,760	222,531	25.00%	21,362,976	12	667,593	7,329,261	11	31	11	11	21	11	11	11
MA	Gill Nets, Other	18,375,100	\$6,724,671	8,179	1.00%	2,339,001	12	NA	1,066	11	31	11	21	11	11	11	11
ME	Pots and Traps, Lobster Offshore	175,600	\$633,244	NA	25.00%	NA	NA	NA	186,975	11	31	11	11	21	11	21	21
MA	Lines Troll, Tuna	400	\$577	NA	0.10%	NA	6	NA	18,000	31	31	11	41	21	21	21	21
RI	Pots and Traps, Fish	13,100	\$25,888	NA	NA	NA	NA	NA	11,102	11	31	11	21	21	21	21	21
CT	Lines Hand, Other Fishing Bottom	NA	NA	51	0.10%	13,961	6	NA	47	31	41	31	41	21	21	21	21
DE	Lines Hand, Other Fishing Bottom	44,700	\$39,679	78	0.10%	20,805	6	NA	47	31	31	31	41	21	21	21	21
ME	Bag Nets	4,500	\$2,522	NA	NA	NA	NA	NA	0	31	31	11	41	21	21	21	21
NY	Other Trawl Midwater	48,100	\$178,647	NA	1.00%	NA	NA	NA	0	11	31	11	21	21	21	21	21
ME	Purse Seines, Other	1,093,400	\$373,135	NA	0.01%	NA	0	NA	0	41	41	41	41	41	21	41	21
RI	Pots and Traps, Lobster Inshore	2,513,200	\$7,573,763	216,925	25.00%	20,824,800	12	650,775	7,329,261	11	31	11	11	21	11	21	21
MA	Pots and Traps, Lobster Inshore	666,890	\$1,825,236	87,200	25.00%	8,371,200	12	261,600	7,329,261	11	31	11	11	21	11	21	21
NY	Pots and Traps, Lobster Inshore	953,800	\$2,922,781	77,735	25.00%	7,462,560	12	233,205	7,329,261	11	31	11	11	21	11	11	21
CT	Pots and Traps, Lobster Inshore	NA	NA	411,66	25.00%	3,951,936	12	123,488	7,329,261	31	31	11	21	11	11	11	21
MA	Pots and Traps, Lobster Offshore	3,403,000	\$9,943,681	17,200	25.00%	1,651,200	12	51,600	186,975	11	31	11	11	21	11	21	21
NJ	Pots and Traps, Lobster Inshore	1,613,100	\$3,951,726	9,600	25.00%	921,600	12	28,800	7,329,261	11	31	11	11	21	11	21	21
NY	Pots and Traps, Crab, Other	146,300	\$158,834	7450	25.00%	715,200	12	22,350	37,803	11	31	11	11	21	11	21	21
ME	Pots and Traps, Shrimp	456,700	\$94,955	11,320	10.00%	1,115,100	12	13,584	19,358	11	31	11	11	21	11	21	21
ME	Pots and Traps, Crab	374,100	\$422,167	10,820	10.00%	1,115,100	12	12,744	12,744	11	31	11	11	21	11	21	21
RI	Pots and Traps, Crab	201,100	\$425,084	4,175	25.00%	400,800	12	12,744	12,744	11	31	11	11	21	11	21	21
NJ	Pots and Traps, Lobster Offshore	2,014,700	\$1,068,628	9,450	10.00%	1,913,625	12	12,525	37,803	11	31	11	11	21	11	21	21
DE	Pots and Traps, Crab, Blue	81,200	\$331,296	3600	25.00%	648,000	12	10,800	186,975	11	31	11	11	21	11	21	21
NY	Pots and Traps, Crab, Blue	301,265	\$177,315	5734	10.00%	1,161,135	12	6,881	19,679	31	31	11	11	21	11	21	21
NH	Pots and Traps, Lobster Offshore	778,300	\$1,610,730	1,800	25.00%	153,600	12	4,800	186,975	11	31	11	11	21	11	21	21
NH	Pots and Traps, Crab, Other	40,000	\$15,200	2,800	10.00%	278,400	12	3,480	186,975	11	31	11	11	21	11	21	21
MA	Pots and Traps, Crab	593,800	\$700,300	920	25.00%	77,280	12	2,760	37,803	11	31	11	11	21	11	21	21
MA	Pots and Traps, Crab, Other	4,620,000	\$2,553,284	1,880	10.00%	178,560	12	2,232	19,358	11	31	11	11	21	11	21	21
NY	Pots and Traps, Eel	60,600	\$88,948	1400	10.00%	383,250	12	1,680	6,059	11	31	11	21	11	21	11	21
MA	Pots and Traps, Eel	20,800	\$18,937	1,230	10.00%	147,600	12	1,476	6,059	11	31	11	21	11	21	11	21
DE	Pots and Traps, Crab, Blue	3,145,200	\$1,019,212	11,850	1.00%	2,399,825	12	1,422	19,679	31	31	11	21	11	21	11	21
MA	Pots and Traps, Fish	402,900	\$443,768	1,000	10.00%	120,450	12	1,200	11,102	11	31	11	21	11	21	11	21
DE	Pots and Traps, Fish	198,800	\$200,165	135	25.00%	16,200	12	405	7,329,261	31	31	11	21	11	21	11	21
DE	Lines Long Set w/Hooks Top Waters	7,462,000	\$12,682,773	29,342	0.10%	8,032,373	6	176	218	11	31	11	21	11	21	11	21
MA	Pots and Traps, Fish	24,400	\$35,678	70	20.00%	6,720	12	168	37,803	11	31	11	11	21	11	21	21
CT	Pots and Traps, Fish	490,200	\$395,748	1310	1.00%	125,760	12	157	11,102	11	31	11	21	11	21	11	21
DE	Pots and Traps, Eel	95,400	\$106,400	1055	1.00%	1,078	12	127	6,059	11	31	11	21	11	11	11	21
CT	Pots and Traps, Crab, Other	300	\$64	52	10.00%	4,680	12	62	19,358	31	31	11	21	11	21	11	21
NY	Gill Nets, Other	1,431,785	\$552,779	346	1.00%	94,718	12	42	1,066	11	31	11	21	11	21	11	21
NY	Lines Long Set w/Hooks Top Waters	6,101,200	\$8,936,296	6321	0.10%	1,730,374	6	38	218	11	31	11	21	11	21	11	21
CT	Pots and Traps, Crab, Blue	400	\$200	30	10.00%	2,700	12	36	19,679	31	31	11	41	21	21	21	21
CT	Pots and Traps, Eel	11,900	\$10,423	239	1.00%	22,944	12	29	6,059	11	31	11	11	11	21	21	21
MA	Lines Hand, Other Fishing Bottom	2,090,200	\$4,440,109	4,363	0.10%	1,194,371	6	26	47	31	11	21	11	11	21	21	21
DE	Gill Nets, Other	629,100	\$192,399	188	1.00%	51,465	12	23	1,066	11	31	11	21	11	21	21	21
RI	Gill Nets, Other	676,000	\$444,489	74	1.00%	20,258	12	9	1,066	11	31	11	21	11	11	21	21
MA	Lines Troll, Other Top Waters	13,273,700	\$5,898,129	51	1.00%	13,961	12	6	1,066	11	31	11	21	11	11	21	21
MA	Gill Nets, Other	122,500	\$53,787	920	0.10%	251,850	6	6	1,066	11	31	11	21	11	11	21	21
NH	Lines Hand, Other Fishing Bottom	3,669,800	\$1,831,255	36	1.00%	9,855	12	4	1,066	11	31	11	21	11	11	21	21
CT	Other Trawl Bottom, Fish	4,232,800	\$3,722,436	81	5.00%	110,869	0.25	1	5	41	41	11	41	21	21	21	21
NY	Other Trawl Bottom, Shrimp	9,432,200	\$9,860,198	143	2.70%	77,220	0.25	1	1,066	11	31	11	21	11	11	21	21
NJ	Gill Nets, Other	587,100	\$145,409	69	0.10%	18,889	12	1	1,066	11	31	11	21	11	11	21	21
CT	Gill Nets, Other	41,050	\$24,025	6	1.00%	1,643	12	1	1,066	11	31	11	21	11	11	21	21
DE	Gill Nets, Stake	Confidential	Confidential	6	1.00%	1,643	12	1	1,066	11	31	11	21	11	11	21	21

Table 1.J. Lost Gear Interaction Matrix for the North Atlantic Region

Primary Sort: Safety
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
ME	Otter Trawl Bottom, Fish	45,034,100	\$32,202,625	88	2.70%	144,540	0.25	1	5	41	41	41	41	41	21	41	21
CT	Gill Nets, Drift, Other	136,600	\$271,945	83	1.00%	22,721	0.25	0	0	11	31	11	21	11	21	11	21
DE	Gill Nets, Drift, Other	776,300	\$361,476	82	1.00%	8,610	0.25	0	0	11	31	11	21	11	11	21	21
CT	Otter Trawl Bottom, Lobster	37,352	\$126,998	11	5.00%	3,011	0.25	0	0	41	41	11	41	41	21	21	21
CT	Gill Nets, Drift, Shad	333,900	\$233,730	14	1.00%	3,833	0.25	0	0	11	31	11	21	11	21	11	21
CT	Fyke and Hoop Nets, Fish	4,700	\$2,122	12	0.10%	3,285	0.5	0	0	41	31	31	21	21	21	21	21
CT	Fyke and Hoop Nets, Fish	4,500	\$1,118	5	0.10%	1,389	0.5	0	0	41	31	11	21	21	21	21	21
CT	Pound Nets, Fish	12,800	\$4,577	1	0.10%	274	0.5	0	0	11	31	11	21	21	21	21	21
ME	Lines Long Set w/Hooks Top Waters	952,900	\$1,534,470	42	0.10%	11,498	6	0	218	11	31	11	41	21	21	21	21
ME	Lines Hand, Other Fishing Bottom	196,000	\$188,366	49	0.10%	13,414	6	0	47	11	31	11	41	21	21	21	21
ME	Floating traps(Shallow)	84,000	\$27,066	2	0.10%	315	0.5	0	0	31	31	11	21	21	21	21	21
ME	Harpoons, Other	79,000	\$320,107	63	NA	NA	0	0	0	41	41	41	41	41	41	41	21
ME	Hoes	3,737,400	\$11,588,892	4,203	NA	NA	0	0	0	41	41	41	41	41	41	41	21
MA	Pound Nets, Fish	1,930,500	\$1,034,936	15	0.10%	4,106	0.5	0	0	31	31	11	21	21	21	21	21
ME	Purse Seines, Herring	41,743,000	\$2,324,427	100	0.10%	31,500	0.25	0	0	41	41	41	41	41	21	21	21
ME	Purse Seines, Mackerel	13,300	\$6,266	2	0.10%	630	0.25	0	0	41	41	41	41	41	21	41	21
ME	Purse Seines, Menhaden	18,668,600	\$347,500	2	0.10%	630	0.25	0	0	41	41	41	41	41	21	41	21
ME	Scottish Seine	448,900	\$402,901	12	0.10%	3,285	0.25	0	0	41	41	41	41	41	21	41	21
MA	Spears	3,500	\$4,170	9	0.01%	2,484	0	0	0	41	41	41	41	41	41	41	21
CT	Spears	500	\$547	1	0.01%	274	0	0	0	41	41	41	41	41	41	41	21
ME	Slop Seines	2,700,300	\$186,784	20	0.10%	5,475	0.25	0	0	41	41	41	41	41	21	41	21

Table 2A: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Regional Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
MD	Pots and Traps, Crab, Blue	30,197,900	\$15,406,212	450,000	10.00%	91,125,000	12	540,000	1,571,300	31	31	11	11	21	11	11	11
NC	Pots and Traps, Crab, Blue	30,671,858	\$9,914,215	437,068	10.00%	88,508,270	12	524,482	1,571,300	31	31	11	11	21	11	11	11
VA	Pots and Traps, Crab, Blue	27,757,300	\$7,876,277	400,000	10.00%	72,000,000	12	480,000	1,571,300	31	31	11	11	21	11	11	11
SC	Pots and Traps, Crab, Blue	5,387,847	\$2,158,489	20,149	10.00%	4,080,173	12	24,179	1,571,300	31	31	11	11	21	11	11	11
FL-E	Pots and Traps, Crab, Blue	7,790,396	\$2,736,877	2200	10.00%	602,250	12	2,640	1,571,300	41	31	11	21	21	21	21	21
FL-E	Pots and Traps, Spiny Lobster	511,280	\$1,868,800	40,000	25.00%	3,188,000	12	120,000	120,000	41	31	11	21	21	21	21	21
VA	Pots and Traps, Fish	1,019,700	\$586,171	10,985	10.00%	1,318,200	12	13,182	27,182	31	31	11	21	21	21	21	21
MD	Pots and Traps, Fish	1,109,300	\$283,321	4,282	10.00%	1,172,198	12	5,138	27,182	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Fish	191,786	\$212,701	3,652	10.00%	439,883	12	4,382	27,182	41	31	11	21	21	21	21	21
NC	Pots and Traps, Fish	320,944	\$272,072	3,086	10.00%	847,530	12	3,715	27,182	31	31	11	21	21	21	21	21
SC	Pots and Traps, Fish	213,737	\$202,224	637	10.00%	174,378	12	784	27,182	31	31	11	21	21	21	21	21
MD	Pots and Traps, Lobster Offshore	57,500	\$189,069	4,300	25.00%	412,800	12	12,900	20,820	11	31	11	21	21	21	21	21
VA	Pots and Traps, Lobster Offshore	106,900	\$299,690	2,840	25.00%	253,440	12	7,920	20,820	11	31	11	21	21	21	21	21
VA	Pots and Traps, Eel	744,200	\$927,718	NA	10.00%	NA	12	NA	7,980	8,484	31	31	11	21	21	21	21
NC	Pots and Traps, Eel	123,787	\$218,659	6,850	10.00%	75,600	12	504	8,484	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Crab, Other	50,096	\$238,792	1,700	10.00%	267,750	12	2,040	2,760	41	31	11	21	21	21	21	21
SC	Pots and Traps, Crab, Other	14,501	\$15,241	600	10.00%	121,500	12	720	2,760	31	31	11	21	21	21	21	21
FL-E	Gill Nets, Other	215,124	\$31,154	NA	1.00%	NA	12	NA	1,261	11	31	11	21	21	21	21	21
NC	Gill Nets, Other	18,167,262	\$6,843,039	9,508	1.00%	2,602,815	12	1,141	1,261	11	31	11	21	21	21	21	21
MD	Gill Nets, Other	306,500	\$85,950	586	1.00%	160,418	12	70	1,261	11	31	11	21	21	21	21	21
VA	Gill Nets, Other	2,796,900	\$1,051,948	334	1.00%	91,433	12	40	1,261	11	31	11	21	21	21	21	21
SC	Gill Nets, Other	375,778	\$232,112	80	1.00%	21,900	12	10	1,261	11	31	11	21	21	21	21	21
SC	Lines Long Set w/Hooks Top Waters	373,805	\$1,245,904	22	0.10%	6,023	6	<0.5	84	31	31	11	41	21	21	21	21
MD	Lines Long Set w/Hooks Top Waters	650,300	\$1,905,174	9,945	0.10%	2,722,444	6	60	84	31	31	11	41	21	21	21	21
VA	Lines Long Set w/Hooks Top Waters	65,200	\$125,598	3,702	0.10%	1,013,423	6	22	84	31	31	11	41	21	21	21	21
NC	Lines Long Set w/Hooks Top Waters	269,235	\$203,959	225	0.10%	61,594	6	1	84	31	31	11	41	21	21	21	21
FL-E	Lines Long Set w/Hooks Top Waters	3,539,518	\$10,787,182	88	0.10%	24,080	6	1	84	31	31	11	41	21	21	21	21
MD	Pots and Traps, Other	23,300	\$29,125	60	10.00%	16,425	12	72	72	31	31	11	21	21	21	21	21
NC	Pots and Traps, Turtle	184	\$57	45	10.00%	12,319	12	54	31	41	41	41	41	41	41	41	41
NC	Other Trawl Bottom, Shrimp	5,841,668	\$8,524,360	3,160	2.70%	3,412,800	0.25	21	31	41	41	41	41	41	41	41	41
SC	Other Trawl Bottom, Shrimp	5,871,524	\$11,795,762	868	2.70%	937,440	0.25	6	31	41	41	41	41	41	41	41	41
FL-E	Other Trawl Bottom, Shrimp	1,372,872	\$748,803	638	2.70%	1,047,915	0.25	4	31	41	41	41	41	41	41	41	41
FL-E	Lines Trot with Baits	25	\$3	NA	0.10%	NA	6	NA	20	41	41	41	41	41	41	41	41
SC	Lines Trot with Baits	3,213	\$3,145	NA	0.10%	NA	6	NA	20	31	31	11	41	21	21	21	21
NC	Lines Trot with Baits	35,500	\$6,770	15	0.10%	4,108	6	<0.5	20	31	31	11	41	21	21	21	21
MD	Lines Trot with Baits	15,101,400	\$7,910,290	3,348	0.10%	527,310	6	20	20	31	31	11	41	21	21	21	21
MD	Gill Nets, Drift, Other	307,800	\$119,825	42	1.00%	11,498	0.25	<0.5	11	11	31	11	21	11	11	11	11
SC	Gill Nets, Drift, Other	30,135	\$10,047	5	1.00%	1,369	0.25	<0.5	11	11	31	11	21	11	11	11	11
VA	Gill Nets, Drift, Other	2,609,300	\$832,889	4,567	1.00%	1,250,216	0.25	11	11	31	11	21	11	11	11	11	11
FL-E	Gill Nets, Drift, Other	1,631,499	\$1,481,228	13	1.00%	3,559	0.25	0	11	31	31	11	21	11	11	11	11
VA	Lines Hand, Other Fishing Bottom	265,000	\$392,617	NA	0.10%	NA	6	NA	10	31	31	11	21	21	21	21	21
MD	Lines Hand, Other Fishing Bottom	433,000	\$185,268	3	0.10%	821	6	<0.5	10	31	31	11	41	21	21	21	21
NC	Lines Hand, Other Fishing Bottom	1,872,205	\$2,144,012	1,153	0.10%	315,634	6	7	10	31	31	11	41	21	21	21	21
FL-E	Lines Hand, Other Fishing Bottom	3,497,963	\$3,862,494	310	0.10%	84,863	6	2	10	31	31	11	41	21	21	21	21
SC	Lines Hand, Other Fishing Bottom	1,431,117	\$2,193,982	282	0.10%	77,198	6	2	10	31	31	11	41	21	21	21	21
FL-E	Lines Hand, Other Fishing Bottom	1,951,229	\$2,163,806	463	NA	126,746	6	NA	10	31	31	11	41	21	21	21	21
SC	Lines Trawl, Other Top Waters	7,690	\$10,829	16	0.10%	2,880	6	<0.5	4	41	41	11	41	21	21	21	21
NC	Lines Trawl, Other Top Waters	2,248,838	\$2,221,722	697	0.10%	172,508	6	4	4	41	41	11	41	21	21	21	21
MD	Other Trawl Bottom, Other	258,768	\$1,588,427	579	2.70%	951,008	0.25	4	4	41	41	11	41	21	21	21	21
FL-E	Other Trawl Bottom, Other	8,981	\$4,062	6	2.70%	9,855	0.25	0	4	41	41	11	41	21	21	21	21
MD	Other Trawl Bottom, Fish	837,200	\$459,478	27	2.70%	44,348	0.25	<0.5	4	41	41	11	41	21	21	21	21
SC	Other Trawl Bottom, Fish	26,190	\$32,719	4	2.70%	6,570	0.25	<0.5	4	41	41	11	41	21	21	21	21
NC	Other Trawl Bottom, Fish	15,712,892	\$8,911,360	285	2.70%	468,113	0.25	2	4	41	41	11	41	21	21	21	21
VA	Other Trawl Bottom, Fish	10,248,400	\$8,077,364	282	2.70%	483,185	0.25	2	4	41	41	11	41	21	21	21	21

Table 2A: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Regional Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
FL-E	Other Trawl Bottom, Fish	466	\$293	2	2.70%	3,285	0.25	0	4	41	41	41	41	41	41	21	21
SC	Other Trawl Bottom, Crab	16,561	\$6,897	2	2.70%	1,080	0.25	<0.5	3	41	41	41	41	41	41	21	21
NC	Other Trawl Bottom, Crab	1,544,971	\$665,606	458	2.70%	247,320	0.25	3	3	41	41	41	41	41	41	21	21
MD	Pound Nets, Fish	6,844,800	\$624,215	147	0.10%	14,813	0.5	<0.5	3	31	31	31	31	31	21	21	21
VA	Pound Nets, Fish	18,712,700	\$2,243,454	257	0.10%	23,130	0.5	<0.5	3	31	31	31	31	31	21	21	21
NC	Pound Nets, Fish	9,167,131	\$3,327,273	5,367	0.10%	362,273	0.5	3	3	31	31	31	31	31	21	21	21
SC	Fyke and Hoop Nets, Fish	160,417	\$53,486	14	0.10%	3,833	0.5	<0.5	1	31	31	31	31	31	21	21	21
VA	Fyke and Hoop Nets, Fish	78,000	\$15,068	168	0.10%	45,980	0.5	<0.5	1	31	31	31	31	31	21	21	21
MD	Fyke and Hoop Nets, Fish	811,700	\$292,522	2,212	0.10%	605,535	0.5	<0.5	1	31	31	31	31	31	21	21	21
NC	Other Trawl Bottom, Scallop	45,300	\$177,557	6	2.70%	9,855	0.25	<0.5	1	41	41	41	41	41	21	21	21
VA	Other Trawl Bottom, Scallop	1,977,689	\$5,729,415	4	2.70%	2,160	0.25	<0.5	1	41	41	41	41	41	21	21	21
FL-E	Other Trawl Bottom, Scallop	353,100	\$1,171,990	60	2.70%	98,550	0.25	<0.5	1	41	41	41	41	41	21	21	21
FL-E	Trawl & Hand Lines, Combined	10,368,252	\$10,452,410	100	2.70%	164,250	0.25	1	1	41	41	41	41	41	21	21	21
NC	Lines Long, Reef Fish Bottom	302,712	\$409,788	7	0.10%	1,916	6	<0.5	0	31	31	31	31	31	21	21	21
SC	Lines Long, Reef Fish Bottom	277,555	\$348,597	1	0.10%	274	6	<0.5	0	31	31	31	31	31	21	21	21
FL-E	Lines Long, Reef Fish Bottom	172,454	\$277,560	36	0.10%	9,855	6	0	0	31	31	31	31	31	21	21	21
NC	Bag Nets	198,478	\$374,359	175	NA	NA	NA	NA	NA	0	31	31	31	31	21	21	21
SC	Butterfly Nets	5,799	\$5,693	16	NA	NA	NA	NA	NA	0	31	31	31	31	21	21	21
NC	Cast Nets	8,515	\$16,741	25	0.10%	4,500	0.25	<0.5	0	41	41	41	41	41	21	21	21
FL-E	Cast Nets	162,562	\$260,151	8	0.01%	22,174	1	<0.5	0	41	41	41	41	41	21	21	21
MD	Dip Nets, Common	496,112	\$229,268	42	0.01%	11,498	1	0	0	41	41	41	41	41	21	21	21
NC	Diving Outfits, Other	43	\$137	5	0.01%	1,369	1	<0.5	0	41	41	41	41	41	21	21	21
FL-E	Diving Outfits, Other	291,600	\$1,035,933	347	0.01%	3,604	0	<0.5	0	41	41	41	41	41	21	21	21
MD	Dredges, Clam	24,664	\$47,443	14	0.01%	3,833	0	<0.5	0	41	41	41	41	41	21	21	21
SC	Dredges, Clam	134,558	\$293,701	28	0.00%	7,665	0	0	0	41	41	41	41	41	21	21	21
VA	Dredges, Clam	23,545,500	\$13,525,577	613	0.10%	167,809	0	<0.5	0	41	41	41	41	41	21	21	21
NC	Dredges, Clam	50,353	\$138,856	27	0.10%	2,430	0	<0.5	0	41	41	41	41	41	21	21	21
VA	Dredges, Clam	39,698	\$144,735	12	0.10%	1,080	0	<0.5	0	41	41	41	41	41	21	21	21
VA	Dredges, Conch	19,520,200	\$7,118,871	103	0.10%	28,196	0	<0.5	0	41	41	41	41	41	21	21	21
NC	Dredges, Crab	240,200	\$128,497	29	0.10%	7,939	0	<0.5	0	41	41	41	41	41	21	21	21
MD	Dredges, Crab	29,599	\$14,800	6	0.10%	900	0	<0.5	0	41	41	41	41	41	21	21	21
VA	Dredges, Crab	4,816,600	\$1,761,406	280	0.10%	25,200	0	<0.5	0	41	41	41	41	41	21	21	21
MD	Dredges, Oyster Common	329,200	\$994,482	153	0.10%	20,655	0	<0.5	0	41	41	41	41	41	21	21	21
NC	Dredges, Oyster Common	1,132,860	\$2,185,094	386	0.10%	43,425	0	<0.5	0	41	41	41	41	41	21	21	21
SC	Dredges, Oyster Common	3,827	\$18,805	6	0.10%	875	0	<0.5	0	41	41	41	41	41	21	21	21
VA	Dredges, Oyster Common	1,308,700	\$2,966,378	139	0.10%	25,020	0	<0.5	0	41	41	41	41	41	21	21	21
NC	Dredges, Scallop, Bay	2,800	\$1,927	NA	0.10%	NA	0	<0.5	0	41	41	41	41	41	21	21	21
MD	Dredges, Scallop, Bay	144,728	\$457,172	1,254	0.10%	47,025	0	<0.5	0	41	41	41	41	41	21	21	21
MD	Dredges, Scallop, Sea	38,300	\$75,937	36	0.10%	9,855	0	<0.5	0	41	41	41	41	41	21	21	21
NC	Dredges, Scallop, Sea	339,108	\$1,248,107	NA	0.10%	NA	0	<0.5	0	41	41	41	41	41	21	21	21
VA	Dredges, Scallop, Sea	8,007,500	\$2,384,506	326	0.10%	89,243	0	<0.5	0	41	41	41	41	41	21	21	21
FL-E	Fyke and Hoop Nets, Crab	82,283	\$30,445	NA	0.10%	NA	0.5	NA	NA	0	41	41	41	41	21	21	21
NC	Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	214,620	0.25	<0.5	0	31	31	31	31	31	21	21	21
FL-E	Gill Nets, Drift, Runaround	11,184,575	\$3,992,816	135	0.10%	36,956	0.25	0	0	31	31	31	31	31	21	21	21
FL-E	Gill Nets, Drift, Shad	2,764	\$251	NA	1.00%	NA	0.25	NA	NA	0	31	31	31	31	21	21	21
NC	Gill Nets, Drift, Shad	13,813	\$10,944	16	1.00%	4,380	0.25	<0.5	0	31	31	31	31	31	21	21	21
SC	Gill Nets, Drift, Shad	370,530	\$266,608	25	1.00%	6,844	0.25	<0.5	0	31	31	31	31	31	21	21	21
FL-E	Gill Nets, Gill 4-7 Inch	701	\$1,332	NA	1.00%	NA	12	NA	NA	0	31	31	31	31	21	21	21
MD	Gill Nets, Shale	101,600	\$42,989	NA	1.00%	NA	12	NA	NA	0	31	31	31	31	21	21	21
FL-E	Haul Seines, Beach	557,556	\$185,691	NA	0.01%	NA	0.25	NA	NA	0	41	41	41	41	21	21	21
MD	Haul Seines, Beach	162,100	\$52,189	9	0.01%	2,464	0.25	<0.5	0	41	41	41	41	41	21	21	21
NC	Haul Seines, Beach	1,344,188	\$383,625	32	0.01%	25,920	0.25	<0.5	0	41	41	41	41	41	21	21	21
SC	Haul Seines, Beach	156,400	\$69,790	2	0.01%	548	0.25	<0.5	0	41	41	41	41	41	21	21	21
VA	Haul Seines, Beach	3,458,400	\$895,127	32	0.01%	8,760	0.25	<0.5	0	41	41	41	41	41	21	21	21

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STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
FL-E	Haul Seines, Long	347,849	\$121,390	NA	0.10%	NA	1	NA	0	41	41	11	41	21	21	21
NC	Haul Seines, Long	8,466,332	\$1,931,790	20	0.10%	2,700	1	<0.5	0	31	31	11	41	21	21	21
VA	Line Trawl, Tuna	300	\$443	6	0.10%	1,643	6	<0.5	0	31	31	11	41	21	21	21
FL-E	Pots and Traps, Box Trap	22,777	\$9,307	NA	1.00%	NA	12	NA	0	41	31	11	41	21	21	21
MD	Pound Nets, Crab	46,200	\$63,197	NA	NA	NA	NA	NA	0	31	31	11	21	21	21	21
VA	Pound Nets, Crab	47,600	\$73,741	13	NA	NA	NA	NA	0	31	31	11	21	21	21	21
FL-E	Purse Seines, Merhaden	1,467,327	\$102,713	NA	0.10%	NA	0.25	NA	0	41	41	41	41	41	21	21
NC	Purse Seines, Merhaden	3,166,810	\$166,358	14	0.10%	20,790	0.25	<0.5	0	41	41	41	41	41	21	21
VA	Purse Seines, Merhaden	\$01,204,300	\$30,080,928	94	0.10%	88,830	0.25	<0.5	0	41	41	41	41	41	21	21
FL-E	Purse Seines, Other	1,153,169	\$514,350	4	0.10%	5,940	0.25	0	0	41	41	41	41	41	21	21
FL-E	Rakes, Other	508,789	\$2,584,272	NA	0.01%	NA	0	NA	0	41	41	41	41	41	21	21
NC	Rakes, Other	813,889	\$5,736,425	2,063	0.01%	584,746	0	<0.5	0	41	41	41	41	41	21	21
SC	Rakes, Other	59,678	\$326,254	81	0.01%	22,174	0	<0.5	0	41	41	41	41	41	21	21
MD	Rakes, Oyster	200	\$520	2	0.01%	2	0.5	<0.5	0	41	41	41	41	41	21	21
NC	Rakes, Oyster	63,586	\$123,411	317	0.01%	57,060	0	<0.5	0	41	41	41	41	41	21	21
SC	Rakes, Oyster	1,231	\$2,737	13	0.01%	2,340	0	<0.5	0	41	41	41	41	41	21	21
MD	Scrapes	709,100	\$1,453,694	NA	0.01%	NA	0	<0.5	0	41	41	41	41	41	21	21
VA	Scrapes	91,400	\$64,578	294	0.10%	26,460	0	<0.5	0	41	41	41	41	41	21	21
FL-E	Spears	9,637	\$10,724	NA	0.01%	NA	0	NA	0	41	41	41	41	41	21	21
NC	Spears	86,107	\$122,708	294	0.01%	80,483	0	<0.5	0	41	41	41	41	41	21	21
SC	Stop Nets	2,631	\$2,447	1	NA	NA	NA	NA	0	31	31	11	41	21	21	21
NC	Tongs & Grabs, Other	10,148	\$66,392	63	0.01%	17,246	0	<0.5	0	41	41	41	41	41	21	21
SC	Tongs & Grabs, Other	18,596	\$78,161	28	0.01%	5,040	0	<0.5	0	41	41	41	41	41	21	21
FL-E	Tongs & Grabs, Oyster	11,548	\$30,026	NA	0.01%	NA	0	NA	0	41	41	41	41	41	21	21
MD	Tongs & Grabs, Oyster	2,732,800	\$8,231,100	3,783	0.01%	44,220	0	<0.5	0	41	41	41	41	41	21	21
NC	Tongs & Grabs, Oyster	130,755	\$269,072	653	0.01%	117,540	0	<0.5	0	41	41	41	41	41	21	21
SC	Tongs & Grabs, Oyster	2,901	\$12,030	9	0.01%	1,620	0	<0.5	0	41	41	41	41	41	21	21
VA	Tongs & Grabs, Oyster	3,062,200	\$7,579,841	1,755	0.01%	315,900	0	<0.5	0	41	41	41	41	41	21	21
VA	Tongs Patent, Clam, Other	815,000	\$3,660,724	266	0.01%	47,880	0	<0.5	0	41	41	41	41	41	21	21
MD	Tongs Patent, Oyster	458,200	\$1,524,125	600	0.01%	6,619	0	<0.5	0	41	41	41	41	41	21	21
VA	Tongs Patent, Oyster	271,800	\$783,331	225	0.01%	40,500	0	<0.5	0	41	41	41	41	41	21	21
FL-E	Trammel Nets	152,846	\$340,005	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21
MD	Trap Nets	59,700	\$36,633	NA	0.10%	NA	NA	NA	0	31	31	11	21	21	21	21

Table 2B: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
VA	Pots and Traps, Eel	744,200	\$927,718	NA	10.00%	NA	12	NA	8,484	31	31	11	21	21	21	21	21
FL-E	Gill Nets, Other	215,124	\$31,154	NA	1.00%	NA	12	NA	1,261	31	31	11	21	21	21	21	21
FL-E	Lines Trot with Baits	25	\$3	NA	0.10%	NA	6	NA	20	41	31	41	41	41	21	21	21
SC	Lines Trot with Baits	3,213	\$3,145	NA	0.10%	NA	6	NA	20	31	31	11	41	41	21	21	21
VA	Lines Hand, Other Fishing Bottom	265,000	\$392,617	NA	0.10%	NA	6	NA	10	31	31	11	41	41	21	21	21
FL-E	Lines Troll, Other Top Waters	1,951,229	\$2,163,606	483	NA	126,746	6	NA	4	41	41	11	41	41	21	21	21
NC	Bag Nets	198,478	\$374,359	175	NA	23,625	NA	NA	0	31	31	11	21	21	21	21	21
SC	Bag Nets	5,799	\$5,693	16	NA	NA	NA	NA	0	31	31	11	21	21	21	21	21
FL-E	Fyke and Hoop Nets, Crab	82,283	\$30,445	NA	0.10%	NA	0.5	NA	0	41	31	11	21	21	21	21	21
FL-E	Gill Nets, Drift, Shad	2,784	\$251	NA	1.00%	NA	0.25	NA	0	31	31	11	21	21	21	21	21
FL-E	Gill Nets, GI 4-7 Inch	701	\$1,332	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
MD	Gill Nets, Stake	101,600	\$42,989	NA	1.00%	NA	12	NA	0	11	31	11	21	21	21	21	21
FL-E	Haul Seine, Beach	557,556	\$185,691	NA	0.01%	NA	0.25	NA	0	41	41	11	41	41	21	21	21
FL-E	Haul Seine, Long	347,849	\$121,390	NA	0.10%	NA	1	NA	0	41	41	11	41	41	21	21	21
FL-E	Pots and Traps, Box Trap	22,777	\$9,307	NA	1.00%	NA	12	NA	0	41	31	11	21	21	21	21	21
MD	Pound Nets, Crab	46,200	\$63,197	NA	NA	NA	NA	NA	0	31	31	11	21	21	21	21	21
VA	Pound Nets, Crab	47,600	\$73,741	13	NA	NA	NA	NA	0	31	31	11	21	21	21	21	21
FL-E	Purse Seine, Menhaden	1,467,327	\$102,713	NA	0.10%	NA	0.25	NA	0	41	41	11	41	41	21	21	21
FL-E	Rakes, Other	508,789	\$2,584,272	NA	0.01%	NA	0	NA	0	41	41	11	41	41	21	21	21
FL-E	Spears	9,637	\$10,724	NA	0.01%	NA	0	NA	0	41	41	11	41	41	21	21	21
SC	Stop Nets	2,631	\$2,447	1	NA	NA	NA	NA	0	31	31	11	41	41	21	21	21
FL-E	Tongs & Grabs, Oyster	11,548	\$30,026	NA	0.01%	NA	0	NA	0	41	41	11	41	41	21	21	21
FL-E	Trawl Net	152,846	\$340,005	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
MD	Trap Nets	59,700	\$36,633	NA	0.10%	NA	NA	NA	0	31	31	11	21	21	21	21	21
MD	Pots and Traps, Crab Blue	30,197,900	\$15,406,212	450,000	10.00%	91,125,000	12	540,000	1,571,300	31	31	11	21	21	21	21	21
NC	Pots and Traps, Crab Blue	30,671,858	\$8,914,215	437,068	10.00%	88,506,270	12	524,482	1,571,300	31	31	11	21	21	21	21	21
VA	Pots and Traps, Crab Blue	27,757,300	\$7,876,277	400,000	10.00%	72,000,000	12	480,000	1,571,300	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Spiny Lobster	511,280	\$1,868,800	40,000	25.00%	3,168,000	12	120,000	120,000	41	31	11	21	21	21	21	21
SC	Pots and Traps, Crab Blue	5,367,847	\$2,158,489	20,149	10.00%	4,080,173	12	24,179	1,571,300	31	31	11	21	21	21	21	21
MD	Pots and Traps, Fish	1,019,700	\$886,171	10,985	10.00%	1,318,200	12	13,182	27,182	31	31	11	21	21	21	21	21
MD	Pots and Traps, Lobster Offshore	57,500	\$169,069	4,300	25.00%	412,800	12	12,900	20,820	11	31	11	21	21	21	21	21
NC	Pots and Traps, Eel	123,787	\$218,659	6,850	10.00%	1,920,438	12	7,980	8,484	31	31	11	21	21	21	21	21
VA	Pots and Traps, Lobster Offshore	106,900	\$299,690	2,840	25.00%	253,440	12	7,920	20,820	11	31	11	21	21	21	21	21
VA	Pots and Traps, Fish	1,109,300	\$283,321	4,282	10.00%	1,172,188	12	5,138	27,182	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Fish	191,786	\$212,701	3,652	10.00%	439,883	12	4,382	27,182	41	31	11	21	21	21	21	21
NC	Pots and Traps, Fish	320,944	\$272,072	3,096	10.00%	847,530	12	3,715	27,182	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Crab Blue	7,790,396	\$2,736,877	22,000	10.00%	602,250	12	2,640	1,571,300	41	31	11	21	21	21	21	21
FL-E	Pots and Traps, Crab Other	50,096	\$238,792	1,700	10.00%	267,750	12	2,040	2,760	41	31	11	21	21	21	21	21
NC	Gill Nets, Other	18,167,262	\$6,843,039	9,508	10.00%	2,602,815	12	1,141	1,261	11	31	11	21	21	21	21	21
SC	Pots and Traps, Fish	213,737	\$202,224	837	10.00%	174,378	12	764	27,182	31	31	11	21	21	21	21	21
SC	Pots and Traps, Crab Other	14,501	\$15,241	600	10.00%	125,500	12	720	2,760	31	31	11	21	21	21	21	21
MD	Pots and Traps, Eel	103,000	\$76,143	420	10.00%	75,800	12	504	8,484	31	31	11	21	21	21	21	21
MD	Pots and Traps, Other	23,300	\$29,125	60	10.00%	18,425	12	72	72	31	31	11	21	21	21	21	21
MD	Gill Nets, Other	306,500	\$85,950	566	1.00%	160,418	12	70	1,261	11	31	11	21	21	21	21	21
MD	Lines Long Set w/Hooks Top Waters	650,300	\$1,905,174	9,945	0.10%	2,722,444	6	60	84	31	31	11	41	41	21	21	21
NC	Pots and Traps, Turtle	164	\$57	45	10.00%	12,319	12	54	54	31	31	11	21	21	21	21	21
VA	Gill Nets, Other	2,796,800	\$1,051,848	334	1.00%	91,433	12	40	1,261	11	31	11	41	41	21	21	21
VA	Lines Long Set w/Hooks Top Waters	85,200	\$125,596	3,702	1.00%	1,013,423	6	22	84	31	31	11	41	41	21	21	21
NC	Other Trawl Bottom, Shrimp	5,641,668	\$8,524,360	3,160	2.70%	3,412,800	0.25	21	31	41	41	11	41	41	21	21	21
MD	Lines Trot with Baits	15,101,400	\$7,910,290	3,348	0.10%	527,310	6	20	20	31	31	11	41	41	21	21	21
VA	Gill Nets, Drift, Other	2,609,300	\$832,989	4,567	1.00%	1,250,216	0.25	11	11	11	31	11	21	21	21	21	21
SC	Gill Nets, Other	375,778	\$232,112	80	1.00%	21,900	12	10	1,261	11	31	11	21	21	21	21	21
NC	Lines Hand, Other Fishing Bottom	1,872,205	\$2,144,012	1,153	0.10%	315,634	6	7	10	31	31	11	41	41	21	21	21
SC	Other Trawl Bottom, Shrimp	5,871,524	\$11,795,762	868	2.70%	937,440	0.25	6	10	31	41	11	41	41	21	21	21
FL-E	Other Trawl Bottom, Shrimp	1,372,872	\$748,803	638	2.70%	1,047,915	0.25	4	31	41	41	11	41	41	21	21	21

Table 2B: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
NC	Lines Troll, Other Top Waters	2,248,838	\$2,221,722	697	0.10%	172,508	6	4	4	4	31	11	41	21	21	21	21
NC	Other Trawl Bottom, Other	258,768	\$1,588,427	579	2.70%	951,008	0.25	4	4	4	41	41	41	41	21	41	21
NC	Other Trawl Bottom, Crab	1,544,971	\$865,608	458	2.70%	247,320	0.25	3	3	3	41	41	41	41	21	41	21
NC	Pound Nets, Fish	9,187,131	\$3,327,273	5,367	0.10%	362,273	0.5	3	3	3	31	11	21	21	21	21	21
NC	Other Trawl Bottom, Fish	15,712,892	\$8,911,360	285	2.70%	488,113	0.25	2	2	2	41	41	41	41	21	41	21
VA	Other Trawl Bottom, Fish	10,248,400	\$8,077,384	282	2.70%	483,185	0.25	2	2	2	41	41	41	41	21	41	21
FL-E	Lines Hand, Other Fishing Bottom	3,497,963	\$3,882,494	310	0.10%	84,963	6	2	10	31	31	11	41	41	21	41	21
SC	Lines Hand, Other Fishing Bottom	1,431,117	\$2,193,982	282	0.10%	77,198	6	2	10	31	31	11	41	41	21	41	21
NC	Lines Long Set w/Hooks Top Waters	289,235	\$203,999	225	0.10%	61,594	6	1	8	31	31	11	41	41	21	41	21
MD	Fyke and Hoop Nets, Fish	811,700	\$292,522	2,212	0.10%	605,535	0.5	1	1	31	31	11	21	21	21	21	21
FL-E	Other Trawl Bottom, Scallop	10,388,252	\$10,452,410	100	2.70%	184,250	0.25	1	1	41	41	41	41	41	21	41	21
FL-E	Lines Long Set w/Hooks Top Waters	3,539,518	\$10,787,182	88	0.10%	24,090	6	1	8	31	31	11	41	41	21	41	21
FL-E	Troll & Hand Lines, Combined	NA	NA	82	0.10%	22,448	6	0	0	31	31	11	41	41	21	41	21
FL-E	Other Trawl Bottom, Other	172,454	\$277,560	36	0.10%	9,855	6	0	0	31	31	11	41	41	21	41	21
FL-E	Lines Long, Reef Fish Bottom	8,981	\$4,062	6	2.70%	3,559	0.25	0	4	41	41	41	41	41	21	41	21
FL-E	Gill Nets, Drift, Runaround	11,184,575	\$3,992,816	135	0.10%	38,956	0.25	0	0	31	31	11	41	41	21	41	21
FL-E	Gill Nets, Drift, Other	1,631,499	\$1,481,226	13	1.00%	3,559	0.25	0	0	31	31	11	21	21	21	11	21
FL-E	Other Trawl Bottom, Fish	466	\$263	2	2.70%	3,285	0.25	0	11	31	31	11	21	21	21	11	21
FL-E	Cast Nets	496,112	\$229,268	42	0.01%	11,498	1	0	4	41	41	41	41	41	41	21	21
FL-E	Purse Seines, Other	1,153,169	\$514,350	4	0.10%	5,940	0.25	0	0	41	41	41	41	41	41	21	21
SC	Lines Long Set w/Hooks Top Waters	373,805	\$1,245,904	22	0.10%	6,023	6	0	8	31	31	11	41	41	21	41	21
NC	Lines Troll with Bait	35,500	\$6,770	15	0.10%	4,106	6	0	20	31	31	11	41	41	21	41	21
MD	Gill Nets, Drift, Other	307,800	\$119,825	42	1.00%	11,498	0.25	0	11	31	31	11	21	21	21	11	21
SC	Gill Nets, Drift, Other	30,135	\$10,047	5	1.00%	1,369	0.25	0	11	31	31	11	21	21	21	11	21
MD	Lines Hand, Other Fishing Bottom	433,000	\$185,268	3	0.10%	821	6	0	10	31	31	11	41	41	21	41	21
SC	Lines Troll, Other Top Waters	7,690	\$10,829	16	0.10%	2,880	6	0	4	41	41	41	41	41	21	41	21
MD	Other Trawl Bottom, Fish	837,200	\$459,478	27	2.70%	44,348	0.25	0	4	41	41	41	41	41	21	41	21
SC	Other Trawl Bottom, Fish	26,190	\$32,719	4	2.70%	6,570	0.25	0	4	41	41	41	41	41	21	41	21
SC	Other Trawl Bottom, Crab	16,561	\$6,897	2	2.70%	1,080	0.25	0	3	41	41	41	41	41	21	41	21
MD	Pound Nets, Fish	6,844,800	\$624,215	147	0.10%	14,913	0.5	0	3	31	31	11	21	21	21	41	21
VA	Pound Nets, Fish	18,712,700	\$2,243,454	257	0.10%	23,130	0.5	0	3	31	31	11	21	21	21	41	21
SC	Fyke and Hoop Nets, Fish	160,417	\$53,486	14	0.10%	3,833	0.5	0	1	31	31	11	21	21	21	41	21
VA	Fyke and Hoop Nets, Fish	78,000	\$15,068	168	0.10%	45,990	0.5	0	1	31	31	11	21	21	21	41	21
MD	Other Trawl Bottom, Scallop	45,300	\$177,557	6	2.70%	9,855	0.25	0	1	41	41	41	41	41	21	41	21
NC	Other Trawl Bottom, Scallop	1,977,689	\$5,729,415	4	2.70%	2,160	0.25	0	1	41	41	41	41	41	21	41	21
VA	Other Trawl Bottom, Scallop	353,100	\$1,171,980	60	2.70%	98,550	0.25	0	1	41	41	41	41	41	21	41	21
NC	Lines Long, Reef Fish Bottom	302,712	\$409,788	7	0.10%	1,916	6	0	1	41	41	41	41	41	21	41	21
SC	Lines Long, Reef Fish Bottom	277,555	\$348,597	1	0.10%	274	6	0	0	31	31	11	41	41	21	41	21
NC	Butterfly Nets	8,515	\$16,741	25	0.10%	4,500	0.25	0	0	31	31	11	41	41	21	41	21
SC	Cast Nets	162,562	\$260,151	81	0.01%	22,174	1	0	0	41	41	41	41	41	21	41	21
NC	Dip Nets, Common	43	\$137	5	0.01%	1,369	1	0	0	41	41	41	41	41	21	41	21
MD	Diving Outfits, Other	291,600	\$1,035,933	347	0.01%	3,604	0	0	0	41	41	41	41	41	21	41	21
SC	Diving Outfits, Other	24,664	\$47,443	14	0.01%	3,833	0	0	0	41	41	41	41	41	21	41	21
FL-E	Diving Outfits, Other	134,559	\$293,701	28	0.00%	7,665	0	0	0	41	41	41	41	41	21	41	21
MD	Dredges, Clam	23,545,500	\$13,525,577	613	0.10%	187,809	0	0	0	41	41	41	41	41	21	41	21
SC	Dredges, Clam	50,353	\$318,856	27	0.10%	2,430	0	0	0	41	41	41	41	41	21	41	21
SC	Dredges, Clam	39,698	\$144,735	12	0.10%	1,080	0	0	0	41	41	41	41	41	21	41	21
VA	Dredges, Clam	19,520,200	\$7,118,871	103	0.10%	28,196	0	0	0	41	41	41	41	41	21	41	21
VA	Dredges, Conch	240,200	\$128,497	29	0.10%	7,939	0	0	0	41	41	41	41	41	21	41	21
NC	Dredges, Crab	29,599	\$14,800	8	0.10%	900	0	0	0	41	41	41	41	41	21	41	21
VA	Dredges, Crab	4,816,600	\$1,761,408	280	0.10%	25,200	0	0	0	41	41	41	41	41	21	41	21
MD	Dredges, Oyster Common	329,200	\$984,482	153	0.10%	20,655	0	0	0	41	41	41	41	41	21	41	21
NC	Dredges, Oyster Common	1,132,880	\$2,185,094	386	0.10%	43,425	0	0	0	41	41	41	41	41	21	41	21
SC	Dredges, Oyster Common	3,827	\$18,805	8	0.10%	675	0	0	0	41	41	41	41	41	21	41	21
VA	Dredges, Oyster Common	1,308,700	\$2,966,378	139	0.10%	25,020	0	0	0	41	41	41	41	41	21	41	21

Table 2B: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Lost Gear Interaction Factor

STATE	GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR AVAILABLE PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
MD	Dredges, Scallop, Bay	2,800	\$1,927	NA	0.10%	NA	0	0	0	0	41	41	41	41	41	41
NC	Dredges, Scallop, Bay	144,726	\$457,172	1,254	0.10%	47,025	0	0	0	0	41	41	41	41	41	41
NC	Dredges, Scallop, Sea	38,300	\$75,937	36	0.10%	9,855	0	0	0	0	41	41	41	41	41	41
NC	Dredges, Scallop, Sea	339,108	\$1,248,107	NA	0.10%	NA	0	0	0	0	41	41	41	41	41	41
VA	Dredges, Scallop, Sea	8,007,500	\$27,384,506	326	0.10%	89,243	0	0	0	0	41	41	41	41	41	41
NC	Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	214,820	0.25	0.25	0	0	41	41	41	41	41	41
NC	Gill Nets, Drift, Shad	13,813	\$110,944	16	1.00%	4,380	0.25	0.25	0	0	31	31	11	21	21	21
SC	Gill Nets, Drift, Shad	370,530	\$268,608	25	1.00%	8,844	0.25	0.25	0	0	11	31	11	21	11	21
MD	Haul Seines, Beach	162,100	\$52,189	9	0.01%	2,464	0.25	0.25	0	0	41	41	41	41	41	41
NC	Haul Seines, Beach	1,344,189	\$383,625	32	0.01%	25,920	0.25	0.25	0	0	41	41	41	41	41	41
SC	Haul Seines, Beach	156,400	\$69,790	2	0.01%	548	0.25	0.25	0	0	41	41	41	41	41	41
VA	Haul Seines, Beach	3,458,400	\$895,127	32	0.01%	8,760	0.25	0.25	0	0	41	41	41	41	41	41
NC	Haul Seines, Long	8,468,332	\$1,931,790	20	0.10%	2,700	1	0	0	0	31	31	11	41	21	21
VA	Lines Trawl, Tuna	300	\$443	6	0.10%	1,843	0	0	0	0	41	41	41	41	41	41
NC	Purse Seines, Menhaden	3,186,810	\$166,358	14	0.10%	20,780	0.25	0.25	0	0	41	41	41	41	41	41
VA	Purse Seines, Menhaden	601,204,300	\$30,080,928	94	0.10%	88,830	0.25	0.25	0	0	41	41	41	41	41	41
NC	Rakes, Other	913,889	\$5,736,425	2,063	0.01%	564,746	0	0	0	0	41	41	41	41	41	41
SC	Rakes, Other	59,678	\$326,254	81	0.01%	22,174	0	0	0	0	41	41	41	41	41	41
MD	Rakes, Oyster	200	\$520	2	0.01%	2	0.5	0	0	0	41	41	41	41	41	41
NC	Rakes, Oyster	63,586	\$123,411	317	0.01%	57,060	0	0	0	0	41	41	41	41	41	41
SC	Rakes, Oyster	1,231	\$2,737	13	0.01%	2,340	0	0	0	0	41	41	41	41	41	41
MD	Scrapes	709,100	\$1,453,694	NA	0.01%	NA	0	0	0	0	41	41	41	41	41	41
VA	Scrapes	91,400	\$64,576	294	0.10%	26,460	0	0	0	0	41	41	41	41	41	41
NC	Spears	86,107	\$122,706	294	0.01%	80,483	0	0	0	0	41	41	41	41	41	41
SC	Tongs & Grabs, Other	10,148	\$66,392	63	0.01%	17,246	0	0	0	0	41	41	41	41	41	41
NC	Tongs & Grabs, Other	18,596	\$78,161	28	0.01%	5,040	0	0	0	0	41	41	41	41	41	41
MD	Tongs & Grabs, Oyster	2,732,800	\$8,231,100	3,783	0.01%	44,220	0	0	0	0	41	41	41	41	41	41
NC	Tongs & Grabs, Oyster	130,755	\$269,072	653	0.01%	117,540	0	0	0	0	41	41	41	41	41	41
SC	Tongs & Grabs, Oyster	2,901	\$12,030	9	0.01%	1,620	0	0	0	0	41	41	41	41	41	41
VA	Tongs & Grabs, Oyster	3,082,200	\$7,578,941	1,755	0.01%	315,900	0	0	0	0	41	41	41	41	41	41
VA	Tongs Patent, Clam, Other	815,000	\$3,660,724	266	0.01%	47,880	0	0	0	0	41	41	41	41	41	41
MD	Tongs Patent, Oyster	458,200	\$1,524,125	600	0.01%	6,619	0	0	0	0	41	41	41	41	41	41
VA	Tongs Patent, Oyster	271,800	\$783,331	225	0.01%	40,500	0	0	0	0	41	41	41	41	41	41

Table 2C: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Mammals

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
MD	Gill Nets, Snake	101,600	\$42,989	NA	1.00%	NA	12	NA	0	11	31	11	21	11	11	21	21
MD	Pots and Traps, Lobster Offshore	57,500	\$169,089	4,300	25.00%	412,800	12	12,900	20,820	11	31	11	21	11	11	21	21
VA	Pots and Traps, Lobster Offshore	106,800	\$299,690	2,640	25.00%	253,440	12	7,920	20,820	11	31	11	21	11	11	21	21
NC	Gill Nets, Other	18,167,262	\$6,843,039	9,508	1.00%	2,602,815	12	1,141	1,261	11	31	11	21	11	11	21	21
MD	Gill Nets, Other	306,500	\$85,950	588	1.00%	180,418	12	70	1,261	11	31	11	21	11	11	21	21
VA	Gill Nets, Other	2,798,900	\$1,051,948	334	1.00%	91,433	12	40	1,261	11	31	11	21	11	11	21	21
VA	Gill Nets, Drift, Other	2,609,300	\$832,989	4,567	1.00%	1,250,216	0.25	11	1,261	11	31	11	21	11	11	21	21
SC	Gill Nets, Other	375,778	\$232,112	80	1.00%	21,900	12	10	1,261	11	31	11	21	11	11	21	21
MD	Gill Nets, Drift, Other	307,800	\$119,825	42	1.00%	11,498	0.25	0	11	11	31	11	21	11	11	21	21
SC	Gill Nets, Drift, Other	30,135	\$10,047	5	1.00%	1,369	0.25	0	11	11	31	11	21	11	11	21	21
SC	Gill Nets, Drift, Shad	370,530	\$266,608	25	1.00%	6,844	0.25	0	11	11	31	11	21	11	11	21	21
VA	Pots and Traps, Eel	744,200	\$927,718	NA	10.00%	NA	12	NA	8,484	31	31	11	21	11	21	21	21
FL-E	Gill Nets, Other	215,124	\$31,154	NA	1.00%	NA	12	NA	1,261	31	31	11	21	11	21	21	21
SC	Lines Trot with Bait	3,213	\$3,145	NA	0.10%	NA	8	NA	20	31	31	11	21	11	21	21	21
VA	Lines Hand, Other Fishing Bottom	265,000	\$392,617	NA	0.10%	NA	8	NA	10	31	31	11	21	11	21	21	21
NC	Bag Nets	198,478	\$374,359	175	NA	23,625	NA	NA	0	31	31	11	21	11	21	21	21
SC	Bag Nets	5,799	\$5,693	16	NA	NA	NA	NA	0	31	31	11	21	11	21	21	21
FL-E	Gill Nets, Drift, Shad	2,784	\$251	NA	1.00%	NA	0.25	NA	0	31	31	11	21	11	21	21	21
FL-E	Gill Nets, GI 4-7 Inch	701	\$1,332	NA	1.00%	NA	12	NA	0	31	31	11	21	11	21	21	21
MD	Pound Nets, Crab	46,200	\$63,197	NA	NA	NA	12	NA	0	31	31	11	21	11	21	21	21
VA	Pound Nets, Crab	47,600	\$73,741	13	NA	NA	NA	NA	0	31	31	11	21	11	21	21	21
SC	Stop Nets	2,631	\$2,447	1	NA	NA	NA	NA	0	31	31	11	21	11	21	21	21
FL-E	Trammel Nets	152,846	\$340,005	NA	1.00%	NA	12	NA	0	31	31	11	21	11	21	21	21
MD	Trap Nets	59,700	\$36,633	NA	0.10%	NA	NA	NA	0	31	31	11	21	11	21	21	21
MD	Pots and Traps, Crab, Blue	30,197,900	\$15,406,212	450,000	10.00%	91,125,000	12	540,000	1,571,300	31	31	11	21	11	21	21	21
NC	Pots and Traps, Crab, Blue	30,671,858	\$8,914,215	437,068	10.00%	88,506,270	12	524,482	1,571,300	31	31	11	21	11	21	21	21
VA	Pots and Traps, Crab, Blue	27,757,300	\$7,876,277	400,000	10.00%	72,000,000	12	480,000	1,571,300	31	31	11	21	11	21	21	21
SC	Pots and Traps, Crab, Blue	5,367,847	\$2,158,489	20,149	10.00%	4,080,173	12	24,179	1,571,300	31	31	11	21	11	21	21	21
MD	Pots and Traps, Fish	1,019,700	\$586,171	10,985	10.00%	1,318,200	12	13,182	27,182	31	31	11	21	11	21	21	21
NC	Pots and Traps, Eel	123,787	\$218,659	6,650	10.00%	1,820,438	12	7,880	8,484	31	31	11	21	11	21	21	21
VA	Pots and Traps, Fish	1,109,300	\$263,321	4,282	10.00%	1,172,198	12	5,138	27,182	31	31	11	21	11	21	21	21
NC	Pots and Traps, Fish	320,944	\$272,072	3,096	10.00%	847,530	12	3,715	27,182	31	31	11	21	11	21	21	21
SC	Pots and Traps, Fish	213,737	\$202,224	637	10.00%	174,379	12	764	27,182	31	31	11	21	11	21	21	21
SC	Pots and Traps, Crab, Other	14,501	\$15,241	600	10.00%	121,500	12	720	27,182	31	31	11	21	11	21	21	21
MD	Pots and Traps, Eel	103,000	\$76,143	420	10.00%	75,600	12	504	8,484	31	31	11	21	11	21	21	21
MD	Pots and Traps, Other	23,300	\$29,125	60	10.00%	16,425	12	72	72	31	31	11	21	11	21	21	21
MD	Lines Long Set w/Hooks Top Waters	650,300	\$1,805,174	9,945	0.10%	2,722,444	6	60	84	31	31	11	21	11	21	21	21
NC	Pots and Traps, Turtle	164	\$57	45	10.00%	12,319	12	54	84	31	31	11	21	11	21	21	21
VA	Lines Long Set w/Hooks Top Waters	65,200	\$125,596	3,702	0.10%	1,013,423	6	22	84	31	31	11	21	11	21	21	21
MD	Lines Trot with Bait	15,101,400	\$7,910,290	3,348	0.10%	527,310	6	20	20	31	31	11	21	11	21	21	21
NC	Lines Hand, Other Fishing Bottom	1,672,205	\$2,144,012	1,153	0.10%	315,634	6	7	10	31	31	11	21	11	21	21	21
NC	Pound Nets, Fish	9,167,131	\$3,327,273	5,367	0.10%	362,273	0.5	3	3	31	31	11	21	11	21	21	21
FL-E	Lines Hand, Other Fishing Bottom	3,497,963	\$3,882,494	310	0.10%	84,863	6	2	10	31	31	11	21	11	21	21	21
SC	Lines Hand, Other Fishing Bottom	1,431,117	\$2,193,992	282	0.10%	77,198	6	2	10	31	31	11	21	11	21	21	21
NC	Lines Long Set w/Hooks Top Waters	269,235	\$203,999	225	0.10%	61,594	6	1	84	31	31	11	21	11	21	21	21
MD	Fyke and Hoop Nets, Fish	811,700	\$292,522	2,212	0.10%	605,555	0.5	1	1	31	31	11	21	11	21	21	21
FL-E	Lines Long Set w/Hooks Top Waters	3,539,518	\$10,787,182	88	0.10%	24,090	6	1	84	31	31	11	21	11	21	21	21
FL-E	Troll & Hand Lines, Combined	NA	NA	82	0.10%	22,448	6	0	0	31	31	11	21	11	21	21	21
FL-E	Lines Long, Reef Fish Bottom	172,454	\$277,560	36	0.10%	9,855	6	0	0	31	31	11	21	11	21	21	21
FL-E	Gill Nets, Drift, Runaround	11,184,575	\$3,992,816	135	0.10%	36,956	0.25	0	0	31	31	11	21	11	21	21	21
FL-E	Gill Nets, Drift, Other	1,631,499	\$1,481,226	13	1.00%	3,559	0.25	0	11	31	31	11	21	11	21	21	21
SC	Lines Long Set w/Hooks Top Waters	373,805	\$1,245,905	22	0.10%	6,023	6	0	84	31	31	11	21	11	21	21	21
NC	Lines Trot with Bait	35,500	\$6,770	15	0.10%	4,106	6	0	20	31	31	11	21	11	21	21	21
MD	Lines Hand, Other Fishing Bottom	433,000	\$185,268	3	0.10%	821	6	0	10	31	31	11	21	11	21	21	21
MD	Pound Nets, Fish	6,844,800	\$624,215	147	0.10%	14,913	0.5	0	3	31	31	11	21	11	21	21	21

Table 2C: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Mammals

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
VA	Pound Nets, Fish	18,712,700	\$2,243,454	257	0.10%	23,130	0.5	0	3	31	31	11	41	21	21	41	21
SC	Fyke and Hoop Nets, Fish	160,417	\$53,486	14	0.10%	3,833	0.5	0	1	31	31	11	21	21	21	41	21
VA	Fyke and Hoop Nets, Fish	78,000	\$15,068	168	0.10%	45,990	0.5	0	1	31	31	11	21	21	21	41	21
NC	Lines Long, Reef Fish Bottom	302,712	\$409,788	7	0.10%	1,916	6	0	0	31	31	11	41	21	21	21	21
SC	Lines Long, Reef Fish Bottom	277,555	\$348,597	1	0.10%	274	6	0	0	31	31	11	41	21	21	21	21
NC	Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	214,620	0.25	0	0	31	31	11	21	21	21	21	21
NC	Gill Nets, Drift, Shad	13,813	\$10,844	16	1.00%	4,380	0.25	0	0	31	31	11	21	11	11	21	21
NC	Haul Seines, Long	8,466,332	\$1,931,790	20	0.10%	2,700	1	0	0	31	31	11	41	21	21	21	21
VA	Lines Troll, Tuna	300	\$443	6	0.10%	1,643	6	0	0	31	31	11	41	21	21	21	21

Table 2D: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Birds

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
VA	Pots and Traps, Eel	744,200	\$927,118	NA	10.00%	NA	12	NA	NA	8,484	31	11	21	21	21	21	21
FL-E	Gill Nets, Other	215,124	\$31,154	NA	1.00%	NA	12	NA	1,261	31	31	11	21	21	21	11	21
FL-E	Lines Trot with Baits	25	\$3	NA	0.10%	NA	6	NA	20	41	31	11	41	21	21	21	21
SC	Lines Trot with Baits	3,213	\$3,145	NA	0.10%	NA	6	NA	20	31	31	11	41	21	21	21	21
VA	Lines Hand, Other Fishing Bottom	265,000	\$392,617	NA	0.10%	NA	6	NA	10	31	31	11	41	21	21	21	21
NC	Bag Nets	198,478	\$374,359	175	NA	23,825	NA	NA	0	31	31	11	21	21	21	21	21
SC	Bag Nets	5,799	\$5,693	16	NA	NA	NA	NA	0	31	31	11	21	21	21	21	21
FL-E	Fyke and Hoop Nets, Crab	82,283	\$30,445	NA	0.10%	NA	0.5	NA	0	41	31	11	21	21	21	21	21
FL-E	Gill Nets, Drift, Shad	2,784	\$251	NA	1.00%	NA	0.25	NA	0	31	31	11	21	21	21	21	21
FL-E	Gill Nets, GI 4-7 Inch	701	\$1,332	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	11	21
MD	Gill Nets, Stake	101,600	\$42,989	NA	1.00%	NA	12	NA	0	11	31	11	21	11	21	21	21
FL-E	Pots and Traps, Box Trap	22,777	\$9,307	NA	1.00%	NA	12	NA	0	41	31	11	21	21	21	21	21
MD	Pound Nets, Crab	46,200	\$63,197	NA	NA	NA	NA	NA	0	31	31	11	21	21	21	21	21
VA	Pound Nets, Crab	47,600	\$73,741	13	NA	NA	NA	NA	0	31	31	11	21	21	21	21	21
SC	Stop Nets	2,631	\$2,447	1	NA	NA	NA	NA	0	31	31	11	41	21	21	21	21
FL-E	Trammel Nets	152,846	\$340,005	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	11	21
MD	Trap Nets	59,700	\$36,633	NA	0.10%	NA	NA	NA	0	31	31	11	21	21	21	21	21
MD	Pots and Traps, Crab Blue	30,197,900	\$15,406,212	450,000	10.00%	91,125,000	12	540,000	1,571,300	31	31	11	11	21	21	11	11
NC	Pots and Traps, Crab Blue	30,671,858	\$8,914,215	437,068	10.00%	88,506,270	12	524,482	1,571,300	31	31	11	11	21	21	11	11
VA	Pots and Traps, Crab Blue	27,757,300	\$7,876,277	400,000	10.00%	72,000,000	12	480,000	1,571,300	31	31	11	11	21	21	11	11
FL-E	Pots and Traps, Spiny Lobster	511,280	\$1,868,800	400,000	25.00%	3,168,000	12	120,000	120,000	41	31	11	11	21	21	11	11
SC	Pots and Traps, Crab Blue	5,367,847	\$2,158,489	20,149	10.00%	4,080,173	12	24,179	1,571,300	31	31	11	11	21	21	11	11
MD	Pots and Traps, Fish	1,019,700	\$566,171	10,995	10.00%	1,318,200	12	13,182	27,182	31	31	11	21	21	21	21	21
MD	Pots and Traps, Lobster Offshore	57,500	\$169,069	4,300	25.00%	412,600	12	12,900	20,820	11	31	11	11	21	21	11	21
NC	Pots and Traps, Eel	123,787	\$218,659	7,850	10.00%	1,820,438	12	7,980	8,484	31	31	11	21	21	21	21	21
VA	Pots and Traps, Lobster Offshore	106,900	\$299,690	2,840	25.00%	253,440	12	7,920	20,820	11	31	11	21	21	21	21	21
FL-E	Pots and Traps, Fish	1,109,300	\$293,321	4,282	10.00%	1,172,198	12	5,138	27,182	31	31	11	21	21	21	21	21
VA	Pots and Traps, Fish	191,786	\$212,701	3,652	10.00%	439,883	12	4,382	27,182	41	31	11	11	21	21	21	21
NC	Pots and Traps, Fish	320,944	\$272,072	3,096	10.00%	847,530	12	3,715	27,182	41	31	11	11	21	21	21	21
FL-E	Pots and Traps, Crab Blue	7,790,396	\$2,736,877	2,900	10.00%	602,250	12	2,640	1,571,300	41	31	11	21	21	21	21	21
FL-E	Pots and Traps, Crab Other	50,096	\$238,792	1,700	10.00%	267,750	12	2,040	2,760	41	31	11	21	21	21	21	21
NC	Gill Nets, Other	18,187,262	\$6,843,039	9,508	1.00%	2,602,815	12	1,141	1,261	11	31	11	21	21	21	21	21
SC	Pots and Traps, Fish	213,737	\$202,224	637	10.00%	174,379	12	764	27,182	31	31	11	21	21	21	11	21
SC	Pots and Traps, Crab Other	14,501	\$15,241	600	10.00%	121,500	12	720	2,760	31	31	11	21	21	21	41	21
MD	Pots and Traps, Eel	103,000	\$76,143	420	10.00%	75,600	12	504	8,484	31	31	11	21	21	21	21	21
MD	Pots and Traps, Other	23,300	\$29,125	60	10.00%	16,425	12	72	72	31	31	11	21	21	21	21	21
MD	Gill Nets, Other	306,500	\$85,950	566	1.00%	160,418	12	70	1,261	11	31	11	21	21	21	21	21
MD	Lines Long Set w/Hooks Top Waters	650,300	\$1,905,174	9,945	0.10%	2,722,444	6	60	84	31	31	11	41	21	21	21	21
NC	Pots and Traps, Turtle	164	\$57	45	10.00%	12,319	12	54	54	31	31	11	41	21	21	21	21
VA	Gill Nets, Other	2,796,900	\$1,051,948	334	1.00%	91,433	12	40	1,261	11	31	11	21	21	21	21	21
VA	Lines Long Set w/Hooks Top Waters	65,200	\$125,596	3,702	0.10%	1,013,423	6	22	84	31	31	11	41	21	21	21	21
MD	Lines Trot with Baits	15,101,400	\$7,810,290	3,348	0.10%	527,310	6	20	20	31	31	11	41	21	21	21	21
VA	Gill Nets, Drift, Other	2,609,300	\$832,989	4,567	1.00%	1,250,216	0.25	11	11	31	31	11	41	21	21	21	21
SC	Gill Nets, Other	375,778	\$232,112	80	1.00%	21,900	12	10	1,261	11	31	11	21	21	21	21	21
NC	Lines Hand, Other Fishing Bottom	1,672,205	\$2,144,012	1,153	0.10%	315,634	6	7	10	31	31	11	21	21	21	21	21
NC	Lines Troll, Other Top Waters	2,248,838	\$2,221,722	697	0.10%	172,508	6	4	4	31	31	11	41	21	21	21	21
NC	Pound Nets, Fish	9,167,131	\$3,327,273	5,367	0.10%	362,273	0.5	3	3	31	31	11	21	21	21	21	21
FL-E	Lines Hand, Other Fishing Bottom	3,497,963	\$3,882,494	310	0.10%	84,863	6	2	10	31	31	11	41	21	21	21	21
SC	Lines Hand, Other Fishing Bottom	1,431,117	\$2,193,982	282	0.10%	77,198	6	2	10	31	31	11	41	21	21	21	21
NC	Lines Long Set w/Hooks Top Waters	269,235	\$203,999	225	0.10%	61,594	6	1	84	31	31	11	41	21	21	21	21
MD	Fyke and Hoop Nets, Fish	811,700	\$292,522	2,212	0.10%	605,535	0.5	1	84	31	31	11	21	21	21	21	21
FL-E	Lines Long Set w/Hooks Top Waters	3,539,518	\$10,787,182	88	0.10%	24,090	6	1	84	31	31	11	41	21	21	21	21
FL-E	Troll & Hand Lines, Combined	NA	NA	82	0.10%	22,448	6	0	0	31	31	11	41	21	21	21	21
FL-E	Lines Long, Reef Fish Bottom	172,454	\$277,560	36	0.10%	9,855	6	0	0	31	31	11	41	21	21	21	21
FL-E	Gill Nets, Drift, Runaround	11,184,575	\$3,992,816	135	0.10%	36,956	0.25	0	0	31	31	11	21	21	21	21	21

Table 2D: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Birds

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
FL-E	Gill Nets, Drift, Other	1,631,499	\$1,481,226	13	1.00%	3,559	0.25	0	11	31	11	11	21	21	21	21
FL-E	Cast Nets	496,112	\$229,268	42	0.01%	11,498	1	0	0	41	31	41	41	41	41	21
SC	Lines Long Set w/Hooks Top Waters	373,805	\$1,245,904	22	0.10%	6,023	6	0	84	31	31	11	41	21	21	21
NC	Lines Trot with Baits	35,500	\$8,770	15	0.10%	4,106	6	0	20	31	31	11	41	21	21	21
MD	Gill Nets, Drift, Other	307,800	\$119,825	42	1.00%	11,498	0.25	0	11	11	31	11	21	11	11	21
SC	Gill Nets, Drift, Other	30,135	\$10,047	5	1.00%	1,369	0.25	0	11	11	31	11	21	11	11	21
MD	Lines Hand, Other Fishing Bottom	433,000	\$185,268	3	0.10%	821	6	0	10	31	31	11	41	21	21	21
SC	Lines Troll, Other Top Waters	7,690	\$10,829	16	0.10%	2,880	6	0	4	41	31	11	41	21	21	21
MD	Pound Nets, Fish	6,844,800	\$624,215	147	0.10%	14,913	0.5	0	3	31	31	11	21	21	21	21
VA	Pound Nets, Fish	18,712,700	\$2,243,454	257	0.10%	23,130	0.5	0	3	31	31	11	41	21	21	21
SC	Fyke and Hoop Nets, Fish	160,417	\$53,488	14	0.10%	3,833	0.5	0	1	31	31	11	21	21	21	21
VA	Fyke and Hoop Nets, Fish	78,000	\$15,068	168	0.10%	45,990	0.5	0	1	31	31	11	21	21	21	21
NC	Lines Long, Reef Fish Bottom	302,712	\$409,788	7	0.10%	1,916	6	0	0	31	31	11	41	21	21	21
SC	Lines Long, Reef Fish Bottom	277,555	\$348,597	1	0.10%	274	6	0	0	31	31	11	41	21	21	21
SC	Cast Nets	162,582	\$260,151	81	0.01%	22,174	1	0	0	31	31	11	41	21	21	21
NC	Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	214,620	0.25	0	0	31	31	11	41	21	21	21
NC	Gill Nets, Drift, Shad	13,813	\$10,944	16	1.00%	4,380	0.25	0	0	31	31	11	21	11	11	21
SC	Gill Nets, Drift, Shad	370,530	\$266,608	25	1.00%	6,844	0.25	0	0	11	31	11	21	11	11	21
NC	Haul Seines, Long	8,466,332	\$1,931,790	20	0.10%	2,700	1	0	0	31	31	11	41	21	21	21
VA	Lines Troll, Tuna	300	\$443	6	0.10%	1,643	6	0	0	31	31	11	41	21	21	21

Table 2E: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Reptiles
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
VA	Pots and Traps, Eel	744,200	\$927,718	NA	10.00%	NA	12	NA	8.484	31	31	11	21	21	21	21	21
FL-E	Gill Nets, Other	215,124	\$31,154	NA	1.00%	NA	12	NA	1.261	31	31	11	21	21	21	11	21
SC	Lines Trawl with Baits	3,213	\$3,145	NA	0.10%	NA	6	NA	2.20	31	31	11	41	21	21	21	21
VA	Lines Hand, Other Fishing Bottom	285,000	\$392,617	NA	0.10%	NA	6	NA	1.0	31	31	11	41	21	21	21	21
FL-E	Lines Trawl, Other Top Waters	1,951,229	\$2,163,806	463	NA	126,746	6	NA	4	41	41	11	41	21	21	21	21
NC	Bag Nets	198,478	\$374,359	175	NA	23,625	NA	NA	0	31	31	11	21	21	21	21	41
SC	Bag Nets	5,799	\$5,693	16	NA	NA	NA	NA	0	31	31	11	21	21	21	21	41
FL-E	Fyke and Hoop Nets, Crab	82,283	\$30,445	NA	0.10%	NA	0.5	NA	0	41	31	11	21	21	21	21	21
FL-E	Gill Nets, Drift, Shad	2,784	\$251	NA	1.00%	NA	0.25	NA	0	31	31	11	21	21	21	21	21
MD	Gill Nets, Shad	701	\$1,332	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
FL-E	Haul Seines, Long	101,600	\$42,989	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Box Trap	347,849	\$121,390	NA	0.10%	NA	1	NA	0	41	41	11	41	21	21	21	21
MD	Pound Nets, Crab	22,777	\$9,307	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
VA	Pound Nets, Crab	46,200	\$63,197	NA	NA	NA	NA	NA	0	31	31	11	41	21	21	21	21
SC	Sop Nets	47,600	\$73,741	13	NA	NA	NA	NA	0	31	31	11	41	21	21	21	21
FL-E	Trammel Nets	2,631	\$2,447	1	NA	NA	NA	NA	0	31	31	11	41	21	21	21	21
MD	Trap Nets	152,846	\$340,005	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
MD	Pots and Traps, Crab, Blue	59,700	\$36,633	NA	0.10%	NA	12	NA	0	31	31	11	21	21	21	21	21
MD	Pots and Traps, Crab, Blue	30,197,900	\$15,406,212	450,000	10.00%	91,125,000	12	540,000	1,571,300	31	31	11	21	21	21	21	21
VA	Pots and Traps, Crab, Blue	30,671,858	\$8,914,215	437,068	10.00%	88,506,270	12	524,482	1,571,300	31	31	11	21	21	21	21	21
NC	Pots and Traps, Crab, Blue	27,757,300	\$7,876,277	400,000	10.00%	72,000,000	12	480,000	1,571,300	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Spiny Lobster	511,280	\$1,868,800	40,000	25.00%	3,168,000	12	120,000	120,000	41	31	11	21	21	21	21	21
SC	Pots and Traps, Crab, Blue	5,367,847	\$2,158,489	20,149	10.00%	4,080,173	12	24,179	1,571,300	31	31	11	21	21	21	21	21
MD	Pots and Traps, Fish	1,019,700	\$586,171	10,985	10.00%	1,318,200	12	13,182	27,182	31	31	11	21	21	21	21	21
MD	Pots and Traps, Lobster Offshore	57,500	\$169,069	4,300	25.00%	412,800	12	12,900	20,820	11	31	11	21	21	21	21	21
NC	Pots and Traps, Eel	123,787	\$218,659	6,950	10.00%	1,820,438	12	7,980	20,820	11	31	11	21	21	21	21	21
VA	Pots and Traps, Lobster Offshore	108,900	\$299,690	2,640	25.00%	253,440	12	7,920	20,820	11	31	11	21	21	21	21	21
VA	Pots and Traps, Fish	1,109,300	\$263,321	4,282	10.00%	1,172,198	12	5,138	27,182	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Fish	191,786	\$212,701	3,652	10.00%	439,883	12	4,382	27,182	41	31	11	21	21	21	21	21
NC	Pots and Traps, Fish	320,944	\$272,072	3,996	10.00%	847,530	12	3,715	27,182	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Crab, Blue	7,790,396	\$2,736,877	22,000	10.00%	602,250	12	2,640	1,571,300	41	31	11	21	21	21	21	21
FL-E	Pots and Traps, Crab, Other	50,096	\$238,792	1,700	10.00%	267,750	12	2,040	2,760	41	31	11	21	21	21	21	21
NC	Gill Nets, Other	18,167,262	\$6,843,039	9,508	1.00%	2,602,815	12	1,141	1,261	11	31	11	21	21	21	21	21
SC	Pots and Traps, Fish	213,737	\$202,224	637	10.00%	174,379	12	784	27,182	31	31	11	21	21	21	21	21
SC	Pots and Traps, Crab, Other	14,501	\$15,241	600	10.00%	121,500	12	720	2,760	31	31	11	21	21	21	21	21
MD	Pots and Traps, Eel	103,000	\$76,143	420	10.00%	75,600	12	504	8,484	31	31	11	21	21	21	21	21
MD	Pots and Traps, Other	23,300	\$29,125	60	10.00%	16,425	12	72	72	31	31	11	21	21	21	21	21
MD	Gill Nets, Other	306,500	\$85,950	586	1.00%	180,418	12	70	1,261	11	31	11	21	21	21	21	21
MD	Lines Long Set w/Hooks Top Waters	650,300	\$1,905,174	9,945	0.10%	2,722,444	6	60	84	31	31	11	41	21	21	21	21
NC	Pots and Traps, Turtle	184	\$57	45	10.00%	12,319	12	54	54	31	31	11	21	21	21	21	21
VA	Gill Nets, Other	2,796,900	\$1,051,948	334	1.00%	91,433	12	40	1,261	11	31	11	21	21	21	21	21
VA	Lines Long Set w/Hooks Top Waters	65,200	\$125,598	3,702	0.10%	1,013,423	6	22	84	31	31	11	41	21	21	21	21
MD	Lines Trawl with Baits	15,101,400	\$7,910,290	3,348	0.10%	527,310	6	20	20	31	31	11	41	21	21	21	21
VA	Gill Nets, Drift, Other	2,609,300	\$832,989	4,567	1.00%	1,250,216	0.25	11	11	11	31	11	21	21	21	21	21
SC	Gill Nets, Other	375,778	\$232,112	80	1.00%	21,900	12	10	1,261	11	31	11	21	21	21	21	21
NC	Lines Hand, Other Fishing Bottom	1,872,205	\$2,144,012	1,153	0.10%	315,634	6	7	10	31	31	11	41	21	21	21	21
NC	Lines Trawl, Other Top Waters	2,248,838	\$2,221,722	697	0.10%	172,508	6	4	4	41	31	11	41	21	21	21	21
NC	Pound Nets, Fish	9,167,131	\$3,327,273	5,367	0.10%	382,273	0.5	3	3	31	31	11	21	21	21	21	21
FL-E	Lines Hand, Other Fishing Bottom	3,497,963	\$3,862,494	310	0.10%	84,863	6	2	10	31	31	11	41	21	21	21	21
SC	Lines Hand, Other Fishing Bottom	1,431,117	\$2,193,982	282	0.10%	77,198	6	2	10	31	31	11	41	21	21	21	21
NC	Lines Long Set w/Hooks Top Water	269,235	\$203,999	225	0.10%	61,594	6	1	84	31	31	11	41	21	21	21	21
MD	Fyke and Hoop Nets, Fish	811,700	\$292,522	2,212	0.10%	605,535	0.5	1	1	31	31	11	21	21	21	21	21
FL-E	Lines Long Set w/Hooks Top Waters	3,559,518	\$10,787,182	88	0.10%	24,090	6	1	84	31	31	11	41	21	21	21	21
FL-E	Trawl & Hand Lines, Combined	NA	NA	82	0.10%	22,448	6	0	0	31	31	11	41	21	21	21	21
FL-E	Lines Long, Reef Fish Bottom	172,454	\$277,560	36	0.10%	9,855	6	0	0	31	31	11	41	21	21	21	21

Table 2E: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Reptiles																	
Secondary Sort: Lost Gear Interaction Factor																	
STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Econ Aesthetic Safety							
										Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
FL-E	Gill Nets, Drift, Runaround	11,184,575	\$3,992,816	135	0.10%	36,956	0.25	0	0	31	31	11	21	21	21	11	21
FL-E	Gill Nets, Drift, Other	1,631,499	\$1,481,226	13	1.00%	3,559	0.25	0	0	11	31	31	11	21	21	11	21
SC	Lines Long Set w/Hooks Top Waters	373,805	\$1,245,904	22	0.10%	6,023	6	0	0	84	31	31	11	41	21	21	21
NC	Lines Trot with Bait	35,500	\$8,770	15	0.10%	4,106	6	0	0	20	31	31	11	41	21	21	21
MO	Gill Nets, Drift, Other	307,800	\$119,825	42	1.00%	11,498	0.25	0	0	11	11	31	11	21	11	11	21
SC	Gill Nets, Drift, Other	30,135	\$10,047	5	1.00%	1,369	0.25	0	0	11	11	31	11	21	11	11	21
MO	Lines Hand, Other Fishing Bottom	433,000	\$185,268	3	0.10%	821	6	0	0	10	31	31	11	41	21	21	21
SC	Lines Troll, Other Top Waters	7,690	\$10,829	16	0.10%	2,860	6	0	0	41	31	11	41	21	21	21	21
MO	Pound Nets, Fish	6,844,800	\$624,215	147	0.10%	14,913	0.5	0	0	31	31	11	21	21	21	41	21
VA	Pound Nets, Fish	18,712,700	\$2,243,454	257	0.10%	23,130	0.5	0	0	31	31	11	41	21	21	41	21
SC	Fyke and Hoop Nets, Fish	160,417	\$53,486	14	0.10%	3,833	0.5	0	0	31	31	11	21	21	21	41	21
VA	Fyke and Hoop Nets, Fish	78,000	\$15,068	168	0.10%	45,980	0.5	0	0	1	31	11	21	21	21	41	21
NC	Lines Long, Reef Fish Bottom	302,712	\$409,788	7	0.10%	1,916	6	0	0	31	31	11	41	21	21	21	21
SC	Lines Long, Reef Fish Bottom	277,555	\$348,597	7	0.10%	274	6	0	0	0	31	31	11	41	21	21	21
SC	Cast Nets	162,562	\$260,151	81	0.01%	22,174	1	0	0	41	31	11	41	21	21	21	21
NC	Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	214,620	0.25	0	0	41	31	11	41	21	21	41	21
NC	Gill Nets, Drift, Shad	13,813	\$10,944	16	1.00%	4,360	0.25	0	0	31	31	11	21	21	21	21	21
SC	Gill Nets, Drift, Shad	370,530	\$266,608	25	1.00%	6,844	0.25	0	0	31	31	11	21	11	11	21	21
NC	Haul Seines, Long	8,466,332	\$1,931,790	20	0.10%	2,700	1	0	0	0	31	11	21	11	11	21	21
VA	Lines Troll, Tuna	300	\$443	6	0.10%	1,643	6	0	0	0	31	31	11	41	21	21	21

Table 2F: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Target
Secondary Sort: Lost Gear Interaction Factor

STATE	GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
MD	Pots and Traps, Crab, Blue	30,197,800	\$15,406,212	450,000	10.00%	91,125,000	12	540,000	1,571,300	31	31	11	11	21	11	11	11
NC	Pots and Traps, Crab, Blue	30,671,858	\$8,914,215	437,068	10.00%	88,506,270	12	524,482	1,571,300	31	31	11	11	21	11	11	11
VA	Pots and Traps, Crab, Blue	27,757,300	\$7,876,277	400,000	10.00%	72,000,000	12	480,000	1,571,300	31	31	11	11	21	11	11	11
FL-E	Pots and Traps, Spiny Lobster	511,280	\$1,868,800	40,000	25.00%	3,168,000	12	120,000	120,000	41	31	11	11	21	11	11	11
SC	Pots and Traps, Crab, Blue	5,367,847	\$2,158,489	20,149	10.00%	4,080,173	12	24,179	1,571,300	31	31	11	11	21	11	11	11
MD	Pots and Traps, Crab, Blue	57,500	\$189,069	4,300	25.00%	412,800	12	12,900	20,820	11	31	11	11	21	11	11	11
FL-E	Pots and Traps, Fish	191,786	\$212,701	3,852	10.00%	439,883	12	4,382	27,182	41	31	11	11	21	11	11	11
VA	Pots and Traps, Eel	744,200	\$927,718	NA	10.00%	NA	12	NA	8,484	31	31	11	21	21	21	21	21
FL-E	Gill Nets, Other	215,124	\$31,154	NA	1.00%	NA	12	NA	1,261	31	31	11	21	21	21	21	21
NC	Bag Nets	188,478	\$374,359	175	NA	23,825	NA	NA	0	31	31	11	21	21	21	21	21
SC	Bag Nets	5,799	\$5,693	16	NA	NA	NA	NA	0	31	31	11	21	21	21	21	21
FL-E	Fyke and Hoop Nets, Crab	82,283	\$30,445	NA	0.10%	NA	0.5	NA	0	31	31	11	21	21	21	21	21
FL-E	Gill Nets, Drift, Shad	2,784	\$251	NA	1.00%	NA	0.25	NA	0	41	31	11	21	21	21	21	21
MD	Gill Nets, GI 4-7 Inch	701	\$1,332	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
FL-E	Gill Nets, Snake	101,600	\$42,989	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Box Trap	22,777	\$9,307	NA	1.00%	NA	12	NA	0	41	31	11	21	21	21	21	21
MD	Pound Nets, Crab	46,200	\$83,197	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
FL-E	Trammel Nets	152,846	\$340,005	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
MD	Trap Nets	59,700	\$36,633	NA	0.10%	NA	NA	NA	0	31	31	11	21	21	21	21	21
MD	Pots and Traps, Fish	1,019,700	\$586,171	10,985	10.00%	1,318,200	12	13,182	27,182	31	31	11	21	21	21	21	21
NC	Pots and Traps, Eel	123,787	\$218,659	6,850	10.00%	1,820,438	12	7,980	8,484	31	31	11	21	21	21	21	21
VA	Pots and Traps, Lobster Offshore	106,900	\$299,690	2,640	25.00%	253,440	12	7,920	20,820	11	31	11	21	21	21	21	21
VA	Pots and Traps, Fish	1,109,300	\$283,321	4,282	10.00%	1,172,198	12	5,138	27,182	31	31	11	21	21	21	21	21
NC	Pots and Traps, Fish	320,844	\$272,072	3,096	10.00%	847,530	12	3,715	27,182	31	31	11	21	21	21	21	21
FL-E	Pots and Traps, Crab, Blue	7,790,396	\$2,736,877	22,000	10.00%	602,250	12	2,640	1,571,300	41	31	11	21	21	21	21	21
FL-E	Pots and Traps, Crab, Other	50,096	\$26,792	1,700	10.00%	267,750	12	2,040	2,760	41	31	11	21	21	21	21	21
NC	Gill Nets, Other	18,167,262	\$6,843,039	9,508	1.00%	2,602,815	12	1,141	1,261	11	31	11	21	21	21	21	21
SC	Pots and Traps, Fish	213,737	\$202,224	637	10.00%	174,379	12	764	27,182	31	31	11	21	21	21	21	21
SC	Pots and Traps, Crab, Other	14,501	\$15,241	600	10.00%	121,500	12	720	2,760	31	31	11	21	21	21	21	21
MD	Pots and Traps, Eel	103,000	\$76,143	420	10.00%	75,600	12	504	8,484	31	31	11	21	21	21	21	21
MD	Pots and Traps, Other	23,300	\$29,125	60	10.00%	16,425	12	72	72	31	31	11	21	21	21	21	21
MD	Gill Nets, Other	308,500	\$85,950	586	1.00%	160,418	12	70	1,261	11	31	11	21	21	21	21	21
NC	Pots and Traps, Turtle	184	\$57	45	10.00%	12,319	12	54	54	31	31	11	21	21	21	21	21
VA	Gill Nets, Other	2,796,900	\$1,051,948	334	1.00%	91,433	12	40	1,261	11	31	11	21	21	21	21	21
VA	Gill Nets, Drift, Other	2,609,300	\$832,989	4,567	1.00%	1,250,216	0.25	11	11	11	31	11	21	21	21	21	21
SC	Gill Nets, Other	375,778	\$232,112	60	1.00%	21,900	12	10	1,261	11	31	11	21	21	21	21	21
NC	Pound Nets, Fish	9,167,131	\$3,327,273	5,367	0.10%	382,273	0.5	3	3	31	31	11	21	21	21	21	21
MD	Fyke and Hoop Nets, Fish	811,700	\$292,522	2,212	0.10%	605,535	0.5	1	1	31	31	11	21	21	21	21	21
FL-E	Gill Nets, Drift, Runaround	11,184,575	\$3,982,816	135	0.10%	36,956	0.25	0	0	31	31	11	21	21	21	21	21
FL-E	Gill Nets, Drift, Other	1,831,499	\$1,481,226	13	1.00%	3,559	0.25	0	11	31	31	11	21	21	21	21	21
MD	Gill Nets, Drift, Other	307,800	\$119,825	42	1.00%	11,498	0.25	0	11	31	31	11	21	21	21	21	21
SC	Gill Nets, Drift, Other	30,135	\$10,047	5	1.00%	1,369	0.25	0	11	31	31	11	21	21	21	21	21
MD	Pound Nets, Fish	8,844,800	\$624,215	147	0.10%	14,913	0.5	0	11	31	31	11	21	21	21	21	21
SC	Fyke and Hoop Nets, Fish	160,417	\$53,486	14	0.10%	3,833	0.5	0	1	31	31	11	21	21	21	21	21
VA	Fyke and Hoop Nets, Fish	78,000	\$15,068	168	0.10%	45,990	0.5	0	1	31	31	11	21	21	21	21	21
NC	Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	214,620	0.25	0	0	31	31	11	21	21	21	21	21
NC	Gill Nets, Drift, Shad	13,813	\$10,944	16	1.00%	4,380	0.25	0	0	31	31	11	21	21	21	21	21
SC	Gill Nets, Drift, Shad	370,530	\$266,608	25	1.00%	6,844	0.25	0	0	11	31	11	21	21	21	21	21

Table 2G: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Bycatch
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	Bycatch	Econ	Aesthetic	Safety
MD	Gill Nets, Stuke	101,800	\$42,989	NA	100%	NA	12	NA	0	11	31	11	21	11	11	21	21
NC	Gill Nets, Other	18,167,262	\$6,843,039	9,508	100%	2,802,815	12	1,141	1,261	11	31	11	21	11	11	11	21
NC	Gill Nets, Other	306,500	\$85,950	586	100%	160,418	12	70	1,261	11	31	11	21	11	11	21	21
VA	Gill Nets, Other	2,796,900	\$1,051,948	334	100%	91,433	12	1,000	40	1,261	11	31	11	21	11	21	21
VA	Gill Nets, Drift, Other	2,609,300	\$832,989	4,567	100%	1,250,216	0.25	11	11	11	31	11	21	11	11	21	21
VA	Gill Nets, Other	375,778	\$232,112	80	100%	21,900	12	10	1,261	11	31	11	21	11	11	21	21
MD	Gill Nets, Drift, Other	307,800	\$119,825	42	100%	11,498	0.25	11	11	11	31	11	21	11	11	21	21
SC	Gill Nets, Drift, Other	30,135	\$10,047	5	100%	1,369	0.25	11	11	11	31	11	21	11	11	21	21
NC	Gill Nets, Drift, Shad	13,813	\$10,944	16	100%	4,380	0.25	11	11	11	31	11	21	11	11	21	21
SC	Gill Nets, Drift, Shad	370,530	\$266,608	25	100%	6,844	0.25	11	11	11	31	11	21	11	11	21	21
VA	Pots and Traps, Eel	744,200	\$927,718	NA	100%	NA	12	NA	0	11	31	11	21	11	11	21	21
FL-E	Gill Nets, Other	215,124	\$31,154	NA	100%	NA	12	NA	8,484	31	31	11	21	11	21	21	21
FL-E	Lines Troll with Bait	25	\$3	NA	100%	NA	12	NA	1,261	31	31	11	21	11	21	21	21
SC	Lines Troll with Bait	3,213	\$3,145	NA	0.10%	NA	6	NA	20	41	31	41	41	21	21	21	21
VA	Lines Hand, Other Fishing Bottom	265,000	\$392,617	NA	0.10%	NA	6	NA	20	31	31	11	21	11	21	21	21
FL-E	Lines Troll, Other Top Waters	1,951,229	\$2,163,806	483	NA	126,746	6	NA	10	31	31	11	41	21	21	21	21
NC	Bag Nets	198,478	\$374,359	175	NA	23,625	NA	NA	0	41	41	11	41	21	21	21	21
SC	Bag Nets	5,799	\$5,693	16	NA	NA	NA	NA	0	31	31	11	21	11	21	21	21
FL-E	Fyke and Hoop Nets, Crab	82,283	\$30,445	NA	0.10%	NA	NA	NA	0	31	31	11	21	11	21	21	21
FL-E	Gill Nets, Drift, Shad	2,784	\$251	NA	100%	NA	0.5	NA	0	41	31	11	21	11	21	21	21
FL-E	Gill Nets, GI 4-7 Inch	701	\$1,332	NA	100%	NA	0.25	NA	0	31	31	11	21	11	21	21	21
FL-E	Haul Seines, Long	347,849	\$121,390	NA	0.10%	NA	1	NA	0	31	31	11	21	11	21	21	21
FL-E	Pots and Traps, Box Trap	22,777	\$9,307	NA	100%	NA	12	NA	0	41	41	11	41	21	21	21	21
MD	Pound Nets, Crab	46,200	\$63,197	NA	NA	NA	12	NA	0	41	31	11	21	11	21	21	21
VA	Pound Nets, Crab	47,600	\$73,741	13	NA	NA	NA	NA	0	31	31	11	21	11	21	21	21
SC	Stop Nets	2,631	\$2,447	1	NA	NA	NA	NA	0	31	31	11	41	21	21	21	21
FL-E	Trammel Nets	152,846	\$340,005	NA	100%	NA	12	NA	0	31	31	11	21	11	21	21	21
MD	Trap Nets	59,700	\$36,633	NA	0.10%	NA	NA	NA	0	31	31	11	21	11	21	21	21
MD	Pots and Traps, Crab, Blue	30,197,900	\$15,406,212	450,000	10.00%	91,125,000	12	540,000	1,571,300	31	31	11	11	21	11	11	11
NC	Pots and Traps, Crab, Blue	30,671,858	\$8,914,215	437,068	10.00%	88,506,270	12	524,482	1,571,300	31	31	11	11	21	11	11	11
VA	Pots and Traps, Crab, Blue	27,757,300	\$7,876,277	400,000	10.00%	72,000,000	12	480,000	1,571,300	31	31	11	11	21	11	11	11
FL-E	Pots and Traps, Spiny Lobster	511,280	\$1,868,800	40,000	25.00%	3,168,000	12	120,000	120,000	41	31	11	11	21	11	11	11
SC	Pots and Traps, Crab, Blue	5,367,847	\$2,158,489	20,149	10.00%	4,080,173	12	24,179	1,571,300	31	31	11	11	21	11	21	21
MD	Pots and Traps, Fish	1,019,700	\$586,171	10,985	10.00%	1,318,200	12	13,182	27,182	31	31	11	21	11	21	21	21
MD	Pots and Traps, Lobster Offshore	57,500	\$169,069	4,300	25.00%	412,800	12	12,900	20,820	11	31	11	21	11	21	21	21
NC	Pots and Traps, Eel	123,787	\$218,559	6,650	10.00%	1,820,438	12	7,980	8,484	31	31	11	21	11	21	21	21
VA	Pots and Traps, Fish	1,109,300	\$299,690	2,640	25.00%	253,440	12	7,920	20,820	11	31	11	21	11	21	21	21
VA	Pots and Traps, Fish	1,109,300	\$283,321	4,282	10.00%	1,172,198	12	5,138	27,182	31	31	11	21	11	21	21	21
FL-E	Pots and Traps, Fish	191,786	\$212,701	3,652	10.00%	439,883	12	4,382	27,182	41	31	11	11	21	11	21	21
NC	Pots and Traps, Fish	320,944	\$272,072	3,086	10.00%	847,530	12	3,715	27,182	31	31	11	21	11	21	21	21
FL-E	Pots and Traps, Crab, Blue	7,790,396	\$2,736,877	22,000	10.00%	602,250	12	2,640	1,571,300	41	31	11	21	11	21	21	21
FL-E	Pots and Traps, Crab, Other	50,096	\$238,792	17,000	10.00%	267,750	12	2,040	2,760	41	31	11	21	11	21	21	21
SC	Pots and Traps, Fish	213,737	\$202,224	637	10.00%	174,379	12	764	27,182	31	31	11	21	11	21	21	21
SC	Pots and Traps, Crab, Other	14,501	\$15,241	600	10.00%	121,500	12	720	2,760	31	31	11	21	11	21	21	21
SC	Pots and Traps, Eel	103,000	\$78,143	420	10.00%	75,800	12	504	8,484	31	31	11	21	11	21	21	21
MD	Pots and Traps, Other	23,300	\$29,125	60	10.00%	18,425	12	72	72	31	31	11	21	11	21	21	21
MD	Lines Long Set w/Hooks Top Waters	650,300	\$1,905,174	9,945	0.10%	2,722,444	6	60	84	31	31	11	41	21	21	21	21
NC	Pots and Traps, Turtle	164	\$57	45	10.00%	12,319	12	54	54	31	31	11	21	11	21	21	21
VA	Lines Long Set w/Hooks Top Waters	65,200	\$125,596	3,702	0.10%	1,013,423	6	22	84	31	31	11	41	21	21	21	21
NC	Lines Hand, Other Fishing Bottom	1,672,205	\$2,144,012	1,153	0.10%	315,834	6	7	10	31	31	11	41	21	21	21	21
NC	Lines Troll, Other Top Waters	2,248,838	\$2,221,722	897	0.10%	172,508	6	4	4	41	31	11	41	21	21	21	21
NC	Pound Nets, Fish	9,167,131	\$3,327,273	5,367	0.10%	362,273	0.5	3	3	31	31	11	21	11	21	21	21
FL-E	Lines Hand, Other Fishing Bottom	3,497,963	\$3,882,494	310	0.10%	84,863	6	2	10	31	31	11	41	21	21	21	21
SC	Lines Hand, Other Fishing Bottom	1,431,117	\$2,193,982	282	0.10%	77,198	6	2	10	31	31	11	41	21	21	21	21
NC	Lines Long Set w/Hooks Top Waters	269,235	\$203,999	225	0.10%	61,594	6	1	84	31	31	11	41	21	21	21	21

Table 2G: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Bycatch

Secondary Sort: Lost Gear Interaction Factor

STATE	GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
MD	Fyke and Hoop Nets, Fish	811,700	\$292,522	2,212	0.10%	605,535	0.5	1	1	1	31	11	21	21	21	21	21
FL-E	Lines Long Set w/Hooks Top Waters	3,539,518	\$10,787,182	88	0.10%	24,090	6	1	84	31	31	11	41	21	21	21	21
FL-E	Troll & Hand Lines, Combined	NA	NA	82	0.10%	22,448	6	0	0	31	31	11	41	21	21	21	21
FL-E	Lines Long, Reef Fish Bottom	172,454	\$277,560	36	0.10%	9,855	6	0	0	31	31	11	41	21	21	21	21
FL-E	Gill Nets, Drift, Runaround	11,184,575	\$3,992,816	135	0.10%	36,958	0.25	0	0	31	31	11	21	21	21	21	21
FL-E	Gill Nets, Drift, Other	1,631,499	\$1,481,226	13	1.00%	3,559	0.25	0	11	31	31	11	21	21	21	11	21
SC	Lines Long Set w/Hooks Top Waters	373,805	\$1,245,904	22	0.10%	6,023	6	0	84	31	31	11	41	21	21	21	21
NC	Lines Long Set w/Hooks Top Waters	35,500	\$6,770	15	0.10%	4,106	6	0	20	31	31	11	41	21	21	21	21
MD	Lines Hand, Other Fishing Bottom	433,000	\$185,268	3	0.10%	821	6	0	10	31	31	11	41	21	21	21	21
SC	Lines Troll, Other Top Waters	7,690	\$10,829	16	0.10%	2,880	6	0	4	41	31	11	41	21	21	21	21
MD	Pound Nets, Fish	6,844,800	\$623,215	147	0.10%	14,913	0.5	0	3	31	31	11	21	21	21	21	21
VA	Pound Nets, Fish	18,712,700	\$2,243,454	257	0.10%	23,130	0.5	0	3	31	31	11	41	21	21	21	21
SC	Fyke and Hoop Nets, Fish	160,417	\$55,486	14	0.10%	3,833	0.5	0	1	31	31	11	21	21	21	21	21
VA	Fyke and Hoop Nets, Fish	78,000	\$15,068	168	0.10%	45,990	0.5	0	1	31	31	11	21	21	21	21	21
NC	Lines Long, Reef Fish Bottom	302,712	\$409,788	7	0.10%	1,916	6	0	0	31	31	11	41	21	21	21	21
SC	Lines Long, Reef Fish Bottom	277,555	\$348,597	1	0.10%	274	6	0	0	31	31	11	41	21	21	21	21
SC	Cast Nets	162,562	\$260,151	81	0.01%	22,174	1	0	0	31	31	11	41	21	21	21	21
NC	Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	214,820	0.25	0	0	31	31	11	41	21	21	21	21
MD	Haul Seines, Beach	162,100	\$52,189	9	0.01%	2,464	0.25	0	0	41	41	41	41	21	21	21	21
NC	Haul Seines, Long	6,466,332	\$1,931,790	20	0.10%	2,700	1	0	0	31	31	11	41	21	21	21	21
VA	Lines Troll, Tuna	300	\$443	6	0.10%	1,843	6	0	0	31	31	11	41	21	21	21	21

Table 2H: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Econ
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
MD	Gill Nets, Snake	101,800	\$42,989	NA	1.00%	NA	12	NA	0	0	11	31	11	21	11	21
MD	Pots and Traps, Crab, Blue	30,197,900	\$15,408,212	450,000	10.00%	91,125,000	12	NA	1,571,300	1,571,300	31	31	11	21	11	11
NC	Pots and Traps, Crab, Blue	30,871,858	\$8,914,215	437,088	10.00%	88,508,270	12	NA	524,482	1,571,300	31	31	11	21	11	11
VA	Pots and Traps, Crab, Blue	27,757,300	\$7,876,277	400,000	10.00%	72,000,000	12	NA	480,000	1,571,300	31	31	11	21	11	11
FL-E	Pots and Traps, Spiny Lobster	511,280	\$1,868,800	40,000	25.00%	3,188,000	12	NA	120,000	120,000	41	31	11	21	11	11
SC	Pots and Traps, Crab, Blue	5,367,847	\$2,158,489	20,149	10.00%	4,080,173	12	NA	24,179	1,571,300	31	31	11	21	11	21
MD	Pots and Traps, Lobster Offshore	57,500	\$189,089	4,300	25.00%	412,800	12	NA	12,900	20,820	11	31	11	21	11	21
FL-E	Pots and Traps, Fish	191,786	\$212,701	3652	10.00%	439,883	12	NA	4,382	27,182	41	31	11	21	11	21
NC	Gill Nets, Other	18,167,262	\$6,843,039	9,508	1.00%	2,602,815	12	NA	1,141	1,281	11	31	11	21	11	21
MD	Gill Nets, Other	306,500	\$85,950	586	1.00%	186,418	12	NA	70	1,281	11	31	11	21	11	21
VA	Gill Nets, Other	2,796,900	\$1,051,948	334	1.00%	91,433	12	NA	40	1,281	11	31	11	21	11	21
VA	Gill Nets, Drift, Other	2,609,300	\$832,989	4,567	1.00%	1,250,216	0.25	NA	11	1,281	11	31	11	21	11	21
SC	Gill Nets, Other	375,778	\$232,112	80	1.00%	21,900	12	NA	10	1,281	11	31	11	21	11	21
MD	Gill Nets, Drift, Other	307,800	\$119,825	42	1.00%	11,498	0.25	NA	0	1,281	11	31	11	21	11	21
SC	Gill Nets, Drift, Other	30,135	\$10,047	5	1.00%	1,369	0.25	NA	0	1,281	11	31	11	21	11	21
NC	Gill Nets, Drift, Shad	13,813	\$10,944	16	1.00%	4,380	0.25	NA	0	1,281	11	31	11	21	11	21
SC	Gill Nets, Drift, Shad	370,530	\$266,608	25	1.00%	6,844	0.25	NA	0	1,281	11	31	11	21	11	21
VA	Pots and Traps, Eel	744,200	\$927,718	NA	10.00%	NA	12	NA	8,484	31	31	11	21	21	21	21
FL-E	Gill Nets, Other	215,124	\$31,154	NA	1.00%	NA	12	NA	1,281	31	31	11	21	21	21	21
FL-E	Gill Nets, Other	25	\$3	NA	0.10%	NA	6	NA	20	31	31	11	41	21	21	21
SC	Lines Trot with Baits	3,213	\$3,145	NA	0.10%	NA	6	NA	10	31	31	11	41	21	21	21
VA	Lines Hand, Other Fishing Bottom	265,000	\$392,617	NA	10.00%	NA	12	NA	8,484	31	31	11	21	21	21	21
FL-E	Lines Troll, Other Top Waters	1,951,229	\$2,163,806	463	NA	126,746	6	NA	1,281	31	31	11	21	21	21	21
NC	Bag Nets	198,478	\$374,358	175	NA	23,625	NA	NA	20	41	31	41	41	21	21	21
SC	Bag Nets	5,799	\$5,693	16	NA	NA	NA	NA	0	31	31	11	21	21	21	21
FL-E	Fyke and Hoop Nets, Crab	82,283	\$30,445	NA	0.10%	NA	0.5	NA	0	41	31	11	21	21	21	21
FL-E	Gill Nets, Drift, Shad	2,784	\$251	NA	1.00%	NA	0.25	NA	0	31	31	11	21	21	21	21
FL-E	Gill Nets, GI 4-7 Inch	701	\$1,332	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21
FL-E	Haul Seines, Long	347,849	\$121,390	NA	0.10%	NA	1	NA	0	31	31	11	21	21	21	21
FL-E	Pots and Traps, Box Trap	22,777	\$9,307	NA	1.00%	NA	12	NA	0	41	31	11	41	21	21	21
MD	Pound Nets, Crab	46,200	\$63,197	NA	NA	NA	NA	NA	0	41	31	11	21	21	21	21
VA	Pound Nets, Crab	47,600	\$73,741	13	NA	NA	NA	NA	0	31	31	11	21	21	21	21
SC	Stop Nets	2,631	\$2,447	1	NA	NA	NA	NA	0	31	31	11	41	21	21	21
FL-E	Trammel Nets	152,846	\$340,005	NA	1.00%	NA	12	NA	0	31	31	11	41	21	21	21
MD	Trap Nets	59,700	\$36,633	NA	0.10%	NA	NA	NA	0	31	31	11	21	21	21	21
MD	Pots and Traps, Fish	1,019,700	\$566,171	10,985	10.00%	1,318,200	12	NA	13,182	27,182	31	31	11	21	21	21
NC	Pots and Traps, Eel	123,787	\$218,659	6,650	10.00%	1,820,438	12	NA	7,980	8,484	31	31	11	21	21	21
VA	Pots and Traps, Lobster Offshore	106,900	\$299,690	2,640	25.00%	253,440	12	NA	7,920	20,820	11	31	11	21	21	21
VA	Pots and Traps, Fish	1,109,300	\$283,321	4,282	10.00%	1,172,198	12	NA	5,138	27,182	31	31	11	21	21	21
NC	Pots and Traps, Fish	320,944	\$272,072	3,096	10.00%	847,530	12	NA	3,715	27,182	31	31	11	21	21	21
FL-E	Pots and Traps, Crab, Blue	7,790,396	\$2,756,877	22,000	10.00%	602,250	12	NA	2,640	1,571,300	41	31	11	21	21	21
SC	Pots and Traps, Crab, Other	50,096	\$238,792	1700	10.00%	267,750	12	NA	2,040	2,760	41	31	11	21	21	21
FL-E	Pots and Traps, Fish	213,737	\$202,224	637	10.00%	174,379	12	NA	764	27,182	31	31	11	21	21	21
SC	Pots and Traps, Fish	14,501	\$15,241	600	10.00%	121,500	12	NA	720	2,760	31	31	11	21	21	21
MD	Pots and Traps, Eel	103,000	\$76,143	420	10.00%	75,600	12	NA	504	8,484	31	31	11	21	21	21
MD	Pots and Traps, Other	23,300	\$29,125	60	10.00%	16,425	12	NA	72	72	31	31	11	21	21	21
MD	Lines Long Set w/Hooks Top Waters	650,300	\$1,905,174	9,945	0.10%	2,722,444	6	NA	60	84	31	31	11	41	21	21
NC	Pots and Traps, Turtle	164	\$57	45	10.00%	12,319	12	NA	54	54	31	31	11	21	21	21
VA	Lines Long Set w/Hooks Top Waters	65,200	\$125,596	3,702	0.10%	1,013,423	6	NA	22	84	31	31	11	41	21	21
NC	Other Trawl Bottom, Shrimp	5,641,668	\$8,524,360	3,160	2.70%	3,412,800	0.25	NA	21	31	41	41	41	21	21	21
NC	Lines Hand, Other Fishing Bottom	1,672,205	\$2,144,012	1,153	0.10%	315,634	6	NA	7	10	31	31	11	41	21	21
SC	Other Trawl Bottom, Shrimp	5,871,524	\$11,795,762	868	2.70%	937,440	0.25	NA	6	31	41	41	41	21	21	21
NC	Lines Troll, Other Top Waters	2,248,838	\$2,221,722	697	0.10%	172,508	6	NA	4	41	41	41	41	21	21	21
NC	Other Trawl Bottom, Other	258,768	\$1,588,427	579	2.70%	951,008	0.25	NA	4	41	41	41	41	21	21	21
NC	Other Trawl Bottom, Crab	1,544,971	\$865,606	458	2.70%	247,320	0.25	NA	3	41	41	41	41	21	21	21

Table 2H: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Econ

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEROUMENT	PERCENT OF AVAILABLE GEAR/LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOS (GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
NC	Pound Nets, Fish	9,167,131	\$3,327,273	5,387	0.10%	362,273	0.5	3	3	31	31	11	21	21	21	21
NC	Other Trawl Bottom, Fish	15,712,892	\$8,911,360	285	2.70%	468,113	0.25	2	2	41	41	41	41	41	41	21
VA	Other Trawl Bottom, Fish	10,248,400	\$8,077,364	282	2.70%	483,185	0.25	2	2	41	41	41	41	41	41	21
FL-E	Lines Hand, Other Fishing Bottom	3,497,963	\$3,882,494	310	0.10%	84,863	6	2	10	31	31	11	41	41	21	21
SC	Lines Hand, Other Fishing Bottom	1,431,117	\$2,193,982	282	0.10%	77,198	6	2	10	31	31	11	41	41	21	21
NC	Lines Long Set w/Hooks Top Waters	269,235	\$203,989	225	0.10%	61,594	6	1	84	31	31	11	41	41	21	21
MD	Fyke and Hoop Nets, Fish	811,700	\$292,522	2,212	0.10%	605,535	0.5	1	1	31	31	11	21	21	21	21
FL-E	Lines Long Set w/Hooks Top Waters	3,539,518	\$10,787,182	88	0.10%	24,090	6	1	84	31	31	11	41	41	21	21
FL-E	Trawl & Hand Lines, Combined	NA	NA	82	0.10%	22,448	6	1	0	31	31	11	41	41	21	21
FL-E	Lines Long, Reef Fish Bottom	172,454	\$277,560	36	0.10%	9,855	6	0	0	31	31	11	41	41	21	21
FL-E	Gill Nets, Drift, Runaround	11,184,575	\$3,992,816	135	0.10%	36,956	0.25	0	0	31	31	11	41	41	21	21
FL-E	Gill Nets, Drift, Other	1,831,499	\$1,481,226	13	1.00%	3,559	0.25	0	0	11	31	31	11	21	21	11
SC	Lines Long Set w/Hooks Top Waters	373,805	\$1,245,904	22	0.10%	6,023	6	0	84	31	31	11	41	41	21	21
NC	Lines Trot with Bait	35,500	\$6,770	15	0.10%	4,106	6	0	20	31	31	11	41	41	21	21
MD	Lines Hand, Other Fishing Bottom	433,000	\$185,268	3	0.10%	821	6	0	10	31	31	11	41	41	21	21
SC	Lines Troll, Other Top Waters	7,690	\$10,829	16	0.10%	2,880	6	0	4	41	41	41	41	41	21	21
MD	Other Trawl Bottom, Fish	837,200	\$459,478	27	2.70%	44,348	0.25	0	4	41	41	41	41	41	21	21
SC	Other Trawl Bottom, Fish	26,190	\$32,719	4	2.70%	6,570	0.25	0	4	41	41	41	41	41	21	21
SC	Other Trawl Bottom, Crab	16,561	\$6,997	2	2.70%	1,080	0.25	0	3	41	41	41	41	41	21	21
MD	Pound Nets, Fish	6,844,800	\$624,215	147	0.10%	14,913	0.5	0	3	31	31	11	21	21	21	41
VA	Pound Nets, Fish	18,712,700	\$2,243,454	257	0.10%	23,130	0.5	0	3	31	31	11	41	41	21	21
SC	Fyke and Hoop Nets, Fish	160,417	\$53,486	14	0.10%	3,833	0.5	0	1	31	31	11	21	21	21	41
VA	Fyke and Hoop Nets, Fish	78,000	\$15,068	168	0.10%	45,990	0.5	0	1	31	31	11	21	21	21	41
MD	Other Trawl Bottom, Scallop	45,300	\$177,557	6	2.70%	9,855	0.25	0	1	41	41	41	41	41	21	21
NC	Other Trawl Bottom, Scallop	1,977,689	\$5,729,415	4	2.70%	2,180	0.25	0	1	41	41	41	41	41	21	21
VA	Other Trawl Bottom, Scallop	353,100	\$1,171,990	60	2.70%	98,550	0.25	0	1	41	41	41	41	41	21	21
NC	Lines Long, Reef Fish Bottom	302,712	\$409,788	7	0.10%	1,916	6	0	0	31	31	11	41	41	21	21
SC	Lines Long, Reef Fish Bottom	277,555	\$348,597	1	0.10%	274	6	0	0	31	31	11	41	41	21	21
SC	Cast Nets	162,562	\$260,151	81	0.01%	22,174	1	0	0	31	31	11	41	41	21	21
NC	Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	214,620	0.25	0	0	41	41	41	41	41	21	21
MD	Haul Seines, Beach	162,100	\$52,189	9	0.01%	2,464	0.25	0	0	31	31	11	21	21	21	21
NC	Haul Seines, Long	8,466,332	\$1,931,790	20	0.10%	2,700	1	0	0	41	41	41	41	41	21	21
VA	Lines Troll, Tuna	300	\$443	6	0.10%	1,643	6	0	0	31	31	11	41	41	21	21
NC	Purse Seines, Menhaden	3,186,810	\$166,358	14	0.10%	20,790	0.25	0	0	41	41	41	41	41	21	21
VA	Purse Seines, Menhaden	601,204,300	\$30,080,928	94	0.10%	88,830	0.25	0	0	41	41	41	41	41	21	21
MD	Rakes, Oyster	200	\$520	2	0.01%	NA	2	0	0	41	41	41	41	41	21	21
MD	Scrapes	709,100	\$1,453,694	NA	0.01%	NA	0	0	0	41	41	41	41	41	21	21
MD	Tongs & Grabs, Oyster	2,732,800	\$6,231,100	3,783	0.01%	44,220	0	0	0	41	41	41	41	41	21	21
MD	Tongs Patent, Oyster	458,200	\$1,524,125	600	0.01%	6,619	0	0	0	41	41	41	41	41	21	21

Table 21: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Aesthetic

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
FL-E	Gill Nets, Other	215,124	\$31,154	NA	1.00%	NA	12	NA	1,261	0	31	31	11	21	21	21
FL-E	Gill Nets, Drift, Shad	2,784	\$251	NA	1.00%	NA	0.25	NA	0	0	31	31	11	21	21	21
FL-E	Gill Nets, GI 4-7 Inch	701	\$1,332	NA	1.00%	NA	12	NA	0	0	31	31	11	21	21	21
FL-E	Trammel Nets	152,846	\$340,005	NA	1.00%	NA	12	NA	0	0	31	31	11	21	21	21
MD	Pots and Traps, Crab, Blue	30,197,900	\$15,408,212	450,000	10.00%	91,125,000	12	540,000	1,571,300	1,571,300	31	31	11	21	21	21
NC	Pots and Traps, Crab, Blue	30,671,858	\$8,914,215	437,088	10.00%	88,506,270	12	524,482	1,571,300	1,571,300	31	31	11	21	21	21
VA	Pots and Traps, Crab, Blue	27,757,300	\$7,876,277	400,000	10.00%	72,000,000	12	480,000	1,571,300	1,571,300	31	31	11	21	21	21
FL-E	Pots and Traps, Spiny Lobster	511,280	\$1,668,800	400,000	25.00%	3,168,000	12	120,000	1,571,300	1,571,300	31	31	11	21	21	21
NC	Gill Nets, Other	18,167,262	\$8,843,039	9,508	1.00%	2,802,815	12	1,141	1,261	1,261	31	31	11	21	21	21
FL-E	Gill Nets, Drift, Runaround	11,184,575	\$3,992,816	135	0.10%	36,956	0.25	0	0	0	31	31	11	21	21	21
FL-E	Gill Nets, Drift, Other	1,631,499	\$1,481,226	13	1.00%	3,559	0.25	0	0	0	31	31	11	21	21	21
VA	Pots and Traps, Eel	744,200	\$927,718	NA	10.00%	NA	12	NA	11	11	31	31	11	21	21	21
FL-E	Lines Trot with Baits	25	\$3	NA	10.00%	NA	6	NA	8,484	8,484	31	31	11	21	21	21
SC	Lines Trot with Baits	3,213	\$3,145	NA	0.10%	NA	6	NA	20	20	41	41	11	21	21	21
VA	Lines Hand, Other Fishing Bottom	265,000	\$392,817	NA	0.10%	NA	6	NA	20	20	31	31	11	21	21	21
FL-E	Lines Troll, Other Top Waters	1,951,229	\$2,163,806	483	NA	126,746	6	NA	10	10	31	31	11	21	21	21
NC	Bag Nets	198,478	\$374,359	175	NA	23,625	NA	NA	4	4	41	41	11	21	21	21
FL-E	Fyke and Hoop Nets, Crab	82,283	\$30,445	NA	0.10%	NA	0.5	NA	0	0	31	31	11	21	21	21
MD	Gill Nets, Snake	101,600	\$42,989	NA	1.00%	NA	12	NA	0	0	11	11	21	21	21	21
FL-E	Haul Seines, Beach	557,556	\$185,691	NA	0.01%	NA	0.25	NA	0	0	41	41	11	21	21	21
FL-E	Haul Seines, Long	347,849	\$121,390	NA	0.10%	NA	1	NA	0	0	41	41	11	21	21	21
FL-E	Pots and Traps, Box Trap	22,777	\$9,307	NA	1.00%	NA	12	NA	0	0	31	31	11	21	21	21
MD	Pound Nets, Crab	46,200	\$63,197	NA	NA	NA	NA	NA	0	0	31	31	11	21	21	21
FL-E	Purse Seines, Menhaden	1,467,327	\$102,713	NA	0.10%	NA	0.25	NA	0	0	41	41	11	21	21	21
FL-E	Purse Seines, Other	508,789	\$2,584,272	NA	0.01%	NA	0	NA	0	0	41	41	11	21	21	21
FL-E	Spears	9,637	\$10,724	NA	0.01%	NA	0	NA	0	0	41	41	11	21	21	21
SC	Stop Nets	2,631	\$2,447	1	0.01%	NA	0	NA	0	0	31	31	11	21	21	21
FL-E	Tongs & Grabs, Oyster	11,548	\$30,026	NA	0.01%	NA	0	NA	0	0	41	41	11	21	21	21
SC	Pots and Traps, Crab, Blue	5,367,847	\$2,158,489	20,149	10.00%	4,080,173	12	24,179	1,571,300	1,571,300	31	31	11	21	21	21
MD	Pots and Traps, Fish	1,019,700	\$586,171	10,985	10.00%	1,318,200	12	13,182	27,182	27,182	31	31	11	21	21	21
MD	Pots and Traps, Lobster Offshore	57,500	\$169,069	4,300	25.00%	412,800	12	12,900	20,820	20,820	11	11	11	21	21	21
NC	Pots and Traps, Eel	123,787	\$218,659	6,650	10.00%	1,820,438	12	7,980	8,484	8,484	31	31	11	21	21	21
VA	Pots and Traps, Lobster Offshore	106,900	\$299,690	2,640	25.00%	253,440	12	7,920	20,820	20,820	11	11	21	21	21	21
VA	Pots and Traps, Fish	1,109,300	\$283,321	4,282	10.00%	1,172,198	12	5,138	27,182	27,182	31	31	11	21	21	21
FL-E	Pots and Traps, Fish	191,786	\$212,701	3,652	10.00%	439,883	12	4,382	27,182	27,182	41	41	11	21	21	21
NC	Pots and Traps, Fish	320,944	\$272,072	3,096	10.00%	847,530	12	3,715	27,182	27,182	31	31	11	21	21	21
FL-E	Pots and Traps, Crab, Blue	7,790,396	\$2,736,877	2,200	10.00%	602,250	12	2,640	1,571,300	1,571,300	41	41	11	21	21	21
FL-E	Pots and Traps, Crab, Other	50,096	\$238,792	1,700	10.00%	267,750	12	2,040	2,760	2,760	41	41	11	21	21	21
MD	Pots and Traps, Eel	103,000	\$76,143	420	10.00%	75,600	12	504	8,484	8,484	31	31	11	21	21	21
MD	Pots and Traps, Other	23,300	\$29,125	60	10.00%	18,425	12	72	72	72	31	31	11	21	21	21
MD	Gill Nets, Other	306,500	\$85,950	586	10.00%	160,418	12	70	1,261	1,261	11	11	21	21	21	21
MD	Lines Long Set w/Hooks Top Waters	650,300	\$1,905,174	9,945	0.10%	2,722,444	6	60	84	84	31	31	11	21	21	21
NC	Pots and Traps, Turtle	164	\$57	45	10.00%	12,319	12	54	54	54	31	31	11	21	21	21
VA	Gill Nets, Other	2,796,900	\$1,051,948	334	1.00%	91,433	12	40	1,261	1,261	11	11	21	21	21	21
VA	Lines Long Set w/Hooks Top Waters	65,200	\$125,598	3,702	0.10%	1,013,423	6	22	84	84	31	31	11	21	21	21
MD	Lines Trot with Baits	15,101,400	\$7,910,290	3,348	0.10%	527,310	6	20	20	20	31	31	11	21	21	21
VA	Gill Nets, Drift, Other	2,609,300	\$832,989	4,567	1.00%	1,520,216	0.25	11	11	11	11	11	21	21	21	21
SC	Gill Nets, Other	375,778	\$232,112	80	1.00%	21,900	12	10	1,261	1,261	11	11	21	21	21	21
NC	Lines Hand, Other Fishing Bottom	1,672,205	\$2,144,012	1,153	0.10%	315,634	6	7	10	10	31	31	11	21	21	21
FL-E	Other Trawl Bottom, Shrimp	1,372,872	\$748,803	638	2.70%	1,047,915	0.25	4	31	31	41	41	11	21	21	21
NC	Lines Troll, Other Top Waters	2,248,838	\$2,221,722	697	0.10%	172,508	6	4	41	41	41	41	11	21	21	21
NC	Pound Nets, Fish	9,167,131	\$3,327,273	5,367	0.10%	362,273	0.5	3	3	3	31	31	11	21	21	21
FL-E	Lines Hand, Other Fishing Bottom	3,497,963	\$3,882,494	310	0.10%	84,863	6	2	10	10	31	31	11	21	21	21
SC	Lines Hand, Other Fishing Bottom	1,431,117	\$2,193,982	252	0.10%	77,198	6	2	10	10	31	31	11	21	21	21
NC	Lines Long Set w/Hooks Top Waters	269,235	\$203,999	225	0.10%	61,594	6	1	84	84	31	31	11	21	21	21

Table 21: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Aesthetic

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
MD	Fyke and Hoop Nets, Fish	811,700	\$292,322	2,212	0.10%	805,535	0.5	1	1	1	31	31	11	21	21	21
FL-E	Other Trawl Bottom, Scallop	10,388,252	\$10,452,410	100	2.70%	164,250	0.25	1	1	1	41	41	41	41	41	21
FL-E	Lines Long Set w/Hooks Top Waters	3,539,518	\$10,787,182	88	0.10%	24,090	6	1	84	31	31	31	11	41	21	21
FL-E	Troll & Hand Lines, Combined	NA	NA	82	0.10%	22,448	6	0	0	31	31	31	11	41	21	21
FL-E	Lines Long, Reef Fish Bottom	172,454	\$277,560	36	0.10%	9,855	6	0	0	31	31	31	11	41	21	21
FL-E	Other Trawl Bottom, Other	8,981	\$4,062	6	2.70%	9,855	0.25	0	0	31	31	31	11	41	21	21
FL-E	Other Trawl Bottom, Fish	466	\$263	2	2.70%	3,285	0.25	0	0	41	41	41	41	41	41	21
FL-E	Cast Nets	496,112	\$229,268	42	0.01%	11,498	1	0	0	41	41	41	41	41	41	21
FL-E	Purse Seines, Other	1,153,169	\$514,350	4	0.10%	5,940	0.25	0	0	41	31	41	41	41	41	21
SC	Lines Long Set w/Hooks Top Waters	373,805	\$1,245,904	22	0.10%	6,023	6	0	84	31	31	31	11	41	21	21
NC	Lines Trot with Bait	35,500	\$6,770	15	0.10%	4,106	6	0	0	31	31	31	11	41	21	21
MD	Gill Nets, Drift, Other	307,800	\$119,825	42	1.00%	11,498	0.25	0	0	20	31	31	11	41	21	21
SC	Gill Nets, Drift, Other	30,135	\$10,047	5	1.00%	1,369	0.25	0	0	11	11	31	11	21	11	21
MD	Lines Hand, Other Fishing Bottom	433,000	\$185,268	3	0.10%	821	6	0	0	10	31	31	11	21	11	21
SC	Lines Troll, Other Top Waters	7,690	\$10,829	16	0.10%	2,880	6	0	0	41	31	31	11	41	21	21
VA	Fyke and Hoop Nets, Fish	78,000	\$15,068	168	0.10%	45,990	0.5	0	0	1	31	31	11	21	21	21
NC	Lines Long, Reef Fish Bottom	302,712	\$409,788	7	0.10%	1,916	6	0	0	0	31	31	11	41	21	21
SC	Lines Long, Reef Fish Bottom	277,555	\$348,597	1	0.10%	274	6	0	0	0	31	31	11	41	21	21
NC	Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	214,620	0.25	0	0	0	31	31	11	41	21	21
NC	Gill Nets, Drift, Shad	13,813	\$10,944	16	1.00%	4,380	0.25	0	0	0	31	31	11	21	21	21
SC	Gill Nets, Drift, Shad	370,530	\$266,608	25	1.00%	6,844	0.25	0	0	0	31	31	11	21	11	21
NC	Haul Seines, Beach	1,344,189	\$383,625	32	0.01%	25,920	0.25	0	0	0	11	31	11	21	11	21
SC	Haul Seines, Beach	156,400	\$69,790	2	0.01%	548	0.25	0	0	0	41	41	41	41	41	21
VA	Haul Seines, Beach	3,458,400	\$895,127	32	0.01%	8,760	0.25	0	0	0	41	41	41	41	41	21
NC	Haul Seines, Long	8,466,332	\$1,931,790	20	0.10%	2,700	1	0	0	0	31	31	11	41	21	21
VA	Lines Troll, Tuna	300	\$443	6	0.10%	1,643	6	0	0	0	31	31	11	41	21	21
NC	Purse Seines, Menhaden	3,186,810	\$166,358	14	0.10%	20,790	0.25	0	0	0	41	41	41	41	41	21

Table 2J: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Safety

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 ROUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEARLOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
MD	Pots and Traps, Crab Blue	30,187,900	\$15,406,212	450,000	10.00%	91,125,000	12	540,000	1,571,300	31	31	11	11	21	11	11
NC	Pots and Traps, Crab Blue	30,671,858	\$9,914,215	437,068	10.00%	88,506,270	12	524,482	1,571,300	31	31	11	11	21	11	11
VA	Pots and Traps, Crab Blue	27,757,300	\$7,876,277	400,000	10.00%	72,000,000	12	480,000	1,571,300	31	31	11	11	21	11	11
FL-E	Pots and Traps, Spiny Lobster	511,280	\$1,868,800	400,000	25.00%	3,168,000	12	NA	120,000	41	31	11	11	21	11	11
VA	Pots and Traps, Eel	744,200	\$927,718	NA	10.00%	NA	12	NA	8,484	31	31	11	21	21	21	21
FL-E	Gill Nets, Other	215,124	\$31,154	NA	1.00%	NA	12	NA	1,261	31	31	11	21	21	21	21
FL-E	Lines Trot with Baits	25	\$3	NA	0.10%	NA	6	NA	20	41	31	41	41	21	21	21
SC	Lines Trot with Baits	3,213	\$3,145	NA	0.10%	NA	6	NA	20	31	31	11	41	21	21	21
VA	Lines Hand, Other Fishing Bottom	265,000	\$392,617	NA	0.10%	NA	6	NA	10	31	31	11	41	21	21	21
FL-E	Lines Troll, Other Top Waters	1,951,229	\$2,163,806	483	NA	126,746	6	NA	4	41	41	11	41	21	21	21
SC	Bag Nets	5,799	\$5,693	16	NA	NA	NA	NA	NA	0	31	31	11	21	21	21
FL-E	Fyke and Hoop Nets, Crab	82,283	\$30,445	NA	1.00%	NA	NA	NA	NA	0	31	31	11	21	21	21
FL-E	Gill Nets, Drift, Shad	2,784	\$251	NA	1.00%	NA	0.25	NA	NA	0	41	31	11	21	21	21
FL-E	Gill Nets, GI 4-7 Inch	701	\$1,332	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21
MD	Gill Nets, Stake	101,600	\$42,989	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21
FL-E	Haul Seines, Beach	557,556	\$185,691	NA	0.01%	NA	0.25	NA	NA	0	41	41	41	41	21	21
FL-E	Haul Seines, Long	347,849	\$121,390	NA	0.10%	NA	1	NA	0	41	41	41	41	41	21	21
FL-E	Pots and Traps, Box Trap	22,777	\$9,307	NA	1.00%	NA	12	NA	0	41	41	41	41	21	21	21
MD	Pound Nets, Crab	46,200	\$63,197	NA	NA	NA	NA	NA	0	31	31	11	21	21	21	21
VA	Pound Nets, Crab	47,600	\$73,741	13	NA	NA	NA	NA	0	31	31	11	21	21	21	21
FL-E	Purse Seines, Menhaden	1,467,327	\$102,713	NA	0.10%	NA	0.25	NA	8,484	41	41	41	41	41	21	21
FL-E	Spears	9,637	\$10,724	NA	0.01%	NA	0	NA	0	41	41	41	41	41	21	21
SC	Stop Nets	2,631	\$2,447	1	NA	NA	NA	NA	0	31	31	11	41	21	21	21
FL-E	Trammel Nets	152,846	\$340,005	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21
MD	Trap Nets	59,700	\$36,633	NA	0.10%	NA	NA	NA	24,179	1,571,300	31	31	11	21	21	21
SC	Pots and Traps, Crab Blue	5,367,847	\$2,158,489	20,149	10.00%	4,080,173	12	13,182	27,182	31	31	11	21	21	21	21
MD	Pots and Traps, Fish	1,019,700	\$586,171	10,985	10.00%	1,318,200	12	12,900	20,820	11	31	11	21	21	21	21
MD	Pots and Traps, Lobster Offshore	57,500	\$189,069	4,300	25.00%	412,800	12	7,980	20,820	31	31	11	21	21	21	21
NC	Pots and Traps, Eel	123,787	\$218,659	6,500	10.00%	1,820,438	12	7,920	20,820	11	31	11	21	21	21	21
VA	Pots and Traps, Lobster Offshore	106,900	\$299,690	2,840	25.00%	253,440	12	5,138	27,182	31	31	11	21	21	21	21
VA	Pots and Traps, Fish	1,109,300	\$283,321	4,282	10.00%	1,172,198	12	4,382	27,182	41	31	11	21	21	21	21
FL-E	Pots and Traps, Fish	191,786	\$212,701	3,852	10.00%	439,883	12	3,715	27,182	31	31	11	21	21	21	21
NC	Pots and Traps, Fish	320,944	\$272,072	3,096	10.00%	847,530	12	2,640	1,571,300	41	31	11	21	21	21	21
FL-E	Pots and Traps, Crab Blue	7,790,396	\$2,736,877	22,000	10.00%	602,250	12	2,040	2,760	41	31	11	21	21	21	21
FL-E	Pots and Traps, Crab Other	50,096	\$238,792	1,700	10.00%	267,750	12	1,141	1,261	11	31	11	21	21	21	21
NC	Gill Nets, Other	18,167,262	\$6,843,039	9,508	1.00%	2,602,815	12	764	27,182	31	31	11	21	21	21	21
SC	Pots and Traps, Fish	213,737	\$202,224	837	10.00%	174,379	12	720	2,760	31	31	11	21	21	21	21
SC	Pots and Traps, Crab Other	14,501	\$15,241	600	10.00%	121,500	12	504	8,484	31	31	11	21	21	21	21
MD	Pots and Traps, Eel	103,000	\$76,143	420	10.00%	75,600	12	72	72	31	31	11	21	21	21	21
MD	Pots and Traps, Other	23,300	\$29,125	60	10.00%	16,425	12	70	1,261	11	31	11	21	21	21	21
MD	Gill Nets, Other	306,500	\$85,950	586	1.00%	160,418	12	60	84	31	31	11	21	21	21	21
MD	Lines Long Set w/Hooks Top Waters	650,300	\$1,905,174	9,945	0.10%	2,722,444	6	54	54	31	31	11	41	21	21	21
NC	Pots and Traps, Turtle	164	\$57	45	10.00%	12,319	12	54	54	31	31	11	21	21	21	21
VA	Gill Nets, Other	2,796,900	\$1,051,948	334	1.00%	91,433	12	40	1,261	11	31	11	21	21	21	21
VA	Lines Long Set w/Hooks Top Waters	65,200	\$125,596	3,702	0.10%	1,013,423	6	22	84	31	31	11	41	21	21	21
NC	Lines Long Set w/Hooks Top Waters	5,641,668	\$8,524,360	3,160	2.70%	3,412,800	0.25	21	31	41	41	41	41	41	21	21
MD	Lines Troll Bottom, Shrimp	15,101,400	\$7,910,290	3,348	0.10%	527,310	6	20	20	31	31	11	41	41	21	21
VA	Lines Troll with Baits	2,609,300	\$632,989	4,567	1.00%	1,250,216	0.25	11	11	11	31	11	21	21	21	21
VA	Gill Nets, Drift, Other	375,778	\$232,112	80	1.00%	21,900	12	10	1,261	11	31	11	21	21	21	21
SC	Lines Hand, Other Fishing Bottom	1,672,205	\$2,144,012	1,153	0.10%	315,834	6	7	10	31	31	11	41	21	21	21
SC	Other Trawl Bottom, Shrimp	5,871,524	\$11,795,762	868	2.70%	937,440	0.25	6	31	41	41	41	41	41	21	21
FL-E	Other Trawl Bottom, Shrimp	1,372,872	\$748,803	638	2.70%	1,047,915	0.25	4	31	41	41	41	41	41	21	21
NC	Lines Troll, Other Top Waters	2,248,838	\$2,221,722	697	0.10%	172,508	6	4	41	41	41	41	41	41	21	21
NC	Other Trawl Bottom, Other	258,768	\$1,588,427	579	2.70%	951,008	0.25	4	41	41	41	41	41	41	21	21
NC	Other Trawl Bottom, Crab	1,544,971	\$865,606	458	2.70%	247,320	0.25	3	31	41	41	41	41	41	21	21

Table 2J: Lost Gear Interaction Matrix for the South Atlantic Region

Primary Sort: Safety

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
NC	Pound Nets, Fish	9,167,131	\$3,327,273	5,387	0.10%	382,273	0.5	3	3	31	11	11	21	21	21	21
NC	Other Trawl Bottom, Fish	15,712,892	\$8,911,360	285	2.70%	488,113	0.25	2	2	41	41	41	41	41	41	21
VA	Other Trawl Bottom, Fish	10,249,400	\$8,077,364	282	2.70%	483,185	0.25	2	2	41	41	41	41	41	41	21
FL-E	Lines Hand, Other Fishing Bottom	3,497,963	\$3,882,494	310	0.10%	84,863	6	10	10	31	31	11	41	41	21	21
SC	Lines Hand, Other Fishing Bottom	1,431,117	\$2,193,982	282	0.10%	77,198	6	2	2	10	31	11	41	41	21	21
NC	Lines Long Set w/Hooks Top Waters	269,235	\$203,989	225	0.10%	61,594	6	1	1	84	31	11	41	41	21	21
MD	Fyke and Hoop Nets, Fish	911,700	\$292,522	2,212	0.10%	805,535	0.5	1	1	31	31	11	21	21	21	21
FL-E	Other Trawl Bottom, Scallop	10,388,252	\$10,452,410	100	2.70%	184,250	0.25	1	1	41	41	41	41	41	41	21
FL-E	Lines Long Set w/Hooks Top Waters	3,539,518	\$10,787,182	88	0.10%	24,090	6	1	1	84	31	11	41	41	21	21
FL-E	Trawl & Hand Lines, Combined	NA	NA	82	0.10%	22,448	6	0	0	31	31	11	41	41	21	21
FL-E	Lines Long, Reef Fish Bottom	172,454	\$277,560	36	0.10%	9,855	6	0	0	31	31	11	41	41	21	21
FL-E	Other Trawl Bottom, Other	8,981	\$4,062	6	2.70%	9,855	0.25	0	0	41	41	41	41	41	41	21
FL-E	Gill Nets, Drift, Runaround	11,184,575	\$3,992,816	135	0.10%	36,956	0.25	0	0	31	31	11	21	21	21	21
FL-E	Gill Nets, Drift, Other	1,831,499	\$1,481,226	13	1.00%	3,559	0.25	0	0	11	31	11	21	21	21	21
FL-E	Other Trawl Bottom, Fish	466	\$263	2	2.70%	3,285	0.25	0	0	41	41	41	41	41	41	21
FL-E	Cast Nets	496,112	\$229,268	42	0.01%	11,498	1	0	0	41	41	41	41	41	41	21
FL-E	Purse Seines, Other	1,153,169	\$514,350	4	0.10%	5,940	0.25	0	0	41	41	41	41	41	41	21
SC	Lines Long Set w/Hooks Top Waters	373,805	\$1,245,904	22	0.10%	6,023	6	0	0	84	31	11	41	41	41	21
NC	Lines Trawl with Bats	35,500	\$6,770	15	0.10%	4,106	6	0	0	20	31	11	41	41	21	21
MD	Gill Nets, Drift, Other	307,800	\$119,825	42	1.00%	11,498	0.25	0	0	11	31	11	21	21	21	21
SC	Gill Nets, Drift, Other	30,135	\$10,047	5	1.00%	1,369	0.25	0	0	11	31	11	21	21	21	21
MD	Lines Hand, Other Fishing Bottom	433,000	\$185,268	3	0.10%	821	6	0	0	10	31	11	41	41	21	21
SC	Lines Trawl, Other Top Waters	7,690	\$10,829	16	0.10%	2,880	6	0	0	41	41	41	41	41	41	21
MD	Other Trawl Bottom, Fish	837,200	\$459,478	27	2.70%	44,348	0.25	0	0	41	41	41	41	41	41	21
SC	Other Trawl Bottom, Fish	26,190	\$32,719	4	2.70%	6,570	0.25	0	0	41	41	41	41	41	41	21
SC	Other Trawl Bottom, Crab	16,561	\$6,897	2	2.70%	1,080	0.25	0	0	31	41	41	41	41	41	21
MD	Pound Nets, Fish	6,844,800	\$624,215	147	0.10%	14,913	0.5	0	0	31	31	11	21	21	21	21
VA	Pound Nets, Fish	18,712,700	\$2,243,454	257	0.10%	23,130	0.5	0	0	31	31	11	41	41	41	21
SC	Fyke and Hoop Nets, Fish	160,417	\$53,486	14	0.10%	3,833	0.5	0	0	31	31	11	41	41	41	21
VA	Fyke and Hoop Nets, Fish	78,000	\$15,068	168	0.10%	45,990	0.5	0	0	1	31	11	21	21	21	21
MD	Other Trawl Bottom, Scallop	45,300	\$177,557	6	2.70%	9,855	0.25	0	0	1	41	41	41	41	41	21
NC	Other Trawl Bottom, Scallop	1,977,689	\$5,729,415	4	2.70%	2,160	0.25	0	0	1	41	41	41	41	41	21
VA	Other Trawl Bottom, Scallop	353,100	\$1,171,990	60	2.70%	98,550	0.25	0	0	1	41	41	41	41	41	21
NC	Lines Long, Reef Fish Bottom	302,712	\$409,788	7	0.10%	1,916	6	0	0	1	41	41	41	41	41	21
SC	Lines Long, Reef Fish Bottom	277,555	\$348,597	1	0.10%	274	6	0	0	31	31	11	41	41	41	21
SC	Cast Nets	162,562	\$260,151	81	0.01%	22,174	1	0	0	41	41	41	41	41	41	21
NC	Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	214,620	0.25	0	0	31	31	11	21	21	21	21
NC	Gill Nets, Drift, Shad	13,813	\$10,844	16	1.00%	4,380	0.25	0	0	31	31	11	21	21	21	21
SC	Gill Nets, Drift, Shad	370,530	\$266,608	25	1.00%	6,844	0.25	0	0	0	11	31	11	21	21	21
MD	Haul Seines, Beach	162,100	\$52,189	9	0.01%	2,464	0.25	0	0	0	41	41	41	41	41	21
VA	Haul Seines, Beach	3,458,400	\$895,127	32	0.01%	8,760	0.25	0	0	0	41	41	41	41	41	21
NC	Haul Seines, Long	8,466,332	\$1,931,790	20	0.10%	2,700	1	0	0	31	31	11	41	41	41	21
VA	Lines Trawl, Tuna	300	\$443	6	0.10%	1,643	6	0	0	0	31	31	11	41	41	21
NC	Purse Seines, Menhaden	3,186,810	\$166,358	14	0.10%	20,790	0.25	0	0	0	31	31	11	41	41	21
VA	Purse Seines, Menhaden	601,204,300	\$30,080,928	94	0.10%	88,830	0.25	0	0	0	41	41	41	41	41	21
NC	Spears	86,107	\$122,706	294	0.01%	80,483	0	0	0	0	41	41	41	41	41	41

Table 3A. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Regional Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
FL-W	Pois and Traps, Spiny Lobster	349	\$1,170	NA	25.00%	NA	12	NA	2,056,116	41	31	11	21	21	21	21	21
FL-W	Pois and Traps, Spiny Lobster	5,458,515	\$19,781,977	682,500	25.00%	54,054,000	12	2,047,500	2,056,116	31	31	11	21	21	21	21	21
CB	Pois and Traps, Spiny Lobster	303,000	NA	1,795	40.00%	131,035	12	8,616	2,056,116	31	31	11	11	11	11	11	11
LA	Pois and Traps, Crab Blue	52,332,727	\$20,308,918	279,169	10.00%	76,422,514	12	335,003	729,277	41	11	11	11	21	21	21	21
FL-W	Pois and Traps, Crab Blue	10,360,100	\$4,123,382	2,721,468	10.00%	74,499,968	12	328,575	729,277	41	31	11	11	21	21	21	21
AL	Pois and Traps, Crab Blue	2,314,546	\$930,784	43,482	10.00%	11,903,198	6	26,089	729,277	41	31	11	11	21	21	21	21
GA	Pois and Traps, Crab Blue	6,159,238	\$1,947,852	19,175	10.00%	5,249,156	12	23,010	729,277	41	11	11	11	21	21	21	21
TX	Pois and Traps, Crab Blue	11,687,700	\$4,872,314	11,000	10.00%	3,011,250	12	13,200	729,277	41	11	11	11	21	21	21	21
MS	Pois and Traps, Crab Blue	1,230,029	\$423,937	45,000	10.00%	1,231,875	12	5,400	729,277	41	11	11	11	21	21	21	21
CB	Pois and Traps, Fish	5,221,000	NA	11,710	40.00%	854,830	12	56,208	68,359	41	31	11	11	21	21	21	21
FL-W	Pois and Traps, Fish	777,107	\$1,113,175	69,311	10.00%	1,897,361	12	8,317	68,359	41	31	11	11	21	21	21	21
LA	Pois and Traps, Fish	486,038	\$223,306	2,920	10.00%	799,350	12	3,504	68,359	41	11	11	11	21	21	21	21
GA	Pois and Traps, Fish	57,219	\$43,430	275	10.00%	75,281	12	330	68,359	41	11	11	11	21	21	21	21
LA	Other Trawl Bottom, Shrimp	70,833,231	\$170,675,506	14,367	2.70%	3,932,966	0.25	97	240	41	41	41	41	21	21	21	21
TX	Other Trawl Bottom, Shrimp	59,087,896	\$188,694,209	13,000	2.70%	21,352,500	0.25	88	240	41	41	41	41	21	21	21	21
FL-W	Other Trawl Bottom, Shrimp	11,330,335	\$36,822,565	37,421	2.70%	6,148,235	0.25	25	240	41	41	41	41	21	21	21	21
AL	Other Trawl Bottom, Shrimp	12,351,832	\$40,646,472	1,928	2.70%	3,168,383	0.25	13	240	41	41	41	41	21	21	21	21
MS	Other Trawl Bottom, Shrimp	8,121,603	\$26,794,033	1,668	2.70%	2,739,690	0.25	11	240	41	41	41	41	21	21	21	21
GA	Other Trawl Bottom, Shrimp	460,413	\$232,189	906	2.70%	1,488,105	0.25	6	240	41	41	41	41	21	21	21	21
FL-W	Gill Nets, Other	823,986	\$317,676	NA	1.00%	NA	12	NA	117	31	31	11	21	21	21	21	21
LA	Gill Nets, Other	8,932,040	\$5,907,699	890	1.00%	243,638	12	107	117	31	11	11	21	21	21	21	21
GA	Gill Nets, Other	35,498	\$23,307	61	1.00%	16,699	12	7	117	31	11	11	21	21	21	21	21
AL	Gill Nets, Other	289,028	\$131,414	28	1.00%	3,665	12	3	117	31	31	11	21	21	21	21	21
MS	Gill Nets, Other	50,527	\$29,648	4	1.00%	1,095	12	0	117	31	11	11	21	21	21	21	21
CB	Gill Nets, Other	582,000	NA	944	1.00%	258,420	12	113	113	31	31	11	21	21	21	21	21
CB	Trawl Net	NA	NA	425	1.00%	116,344	12	51	70	31	31	11	21	21	21	21	21
LA	Trawl Net	2,734,273	\$1,856,169	147	1.00%	40,241	12	18	70	31	11	11	21	21	21	21	21
MS	Trawl Net	21,622	\$21,452	6	1.00%	1,843	12	1	70	31	11	11	21	21	21	21	21
AL	Trawl Net	36,758	\$12,244	6	1.00%	1,843	6	0	70	31	11	11	21	21	21	21	21
FL-W	Trawl Net	2,298,866	\$1,445,239	3	1.00%	821	12	0	70	31	31	11	21	21	21	21	21
CB	Lines Hand, Other Fishing Bottom	1,402,000	NA	3,250	0.10%	889,688	6	NA	44	31	41	11	41	21	21	21	21
FL-W	Lines Hand, Other Fishing Bottom	14,351,913	\$17,947,570	5324	0.10%	1,457,445	6	32	44	31	31	11	41	21	21	21	21
LA	Lines Hand, Other Fishing Bottom	2,852,137	\$4,468,618	1,862	0.10%	454,973	6	10	44	31	11	11	41	21	21	21	21
MS	Lines Hand, Other Fishing Bottom	886,484	\$1,240,143	143	0.10%	39,146	6	1	44	31	11	11	41	21	21	21	21
AL	Lines Hand, Other Fishing Bottom	296,870	\$404,974	125	0.10%	34,219	6	1	44	31	31	11	41	21	21	21	21
GA	Lines Hand, Other Fishing Bottom	405,852	\$513,900	32	0.10%	8,760	6	0	44	31	11	11	41	21	21	21	21
CB	Pole and Line	NA	NA	283	1.00%	77,471	6	17	44	31	41	41	41	21	21	21	21
GA	Pois and Traps, Eel	102	\$128	10	10.00%	2,738	12	12	12	41	11	11	21	21	21	21	21
TX	Lines Long Set w/Hooks Top Waters	1,480,883	\$4,391,625	65	0.10%	17,794	6	0	11	31	11	11	21	21	21	21	21
FL-W	Lines Long Set w/Hooks Top Waters	2,551,556	\$6,552,930	962	0.10%	263,348	6	0	11	31	11	11	21	21	21	21	21
LA	Lines Long Set w/Hooks Top Waters	8,750,285	\$15,124,948	847	0.10%	231,866	6	5	11	31	11	11	41	21	21	21	21
AL	Lines Long Set w/Hooks Top Waters	1,731,340	\$1,708,006	17	0.10%	4,654	6	0	11	31	11	11	41	21	21	21	21
MS	Lines Long Set w/Hooks Top Waters	135,730	\$33,932	9	0.10%	2,464	6	0	11	31	11	11	41	21	21	21	21
CB	Lines Long, Reef Fish Bottom	NA	NA	2,099	0.10%	574,601	6	NA	4	31	41	11	41	21	21	21	21
TX	Lines Long, Reef Fish Bottom	137,794	\$277,598	66	0.10%	18,068	6	0	4	31	11	11	21	21	21	21	21
FL-W	Lines Long, Reef Fish Bottom	7,091,715	\$10,841,922	534	0.10%	146,183	6	3	4	31	31	11	41	21	21	21	21
LA	Lines Long, Reef Fish Bottom	1,009,094	\$1,529,478	68	0.10%	18,615	6	0	4	31	11	11	41	21	21	21	21
GA	Lines Long, Reef Fish Bottom	18,951	\$25,364	3	0.10%	821	6	0	4	31	11	11	41	21	21	21	21
AL	Lines Long, Reef Fish Bottom	51,078	\$73,675	2	0.10%	548	6	0	4	31	31	11	41	21	21	21	21
LA	Fyke and Hoop Nets, Fish	2,918,417	\$1,260,892	3,198	0.10%	875,453	0.5	2	2	41	41	11	41	21	21	21	21
CB	Lines Troll, Other Top Waters	482,000	NA	1,712	NA	468,660	6	NA	2	41	41	11	21	21	21	21	21
FL-W	Lines Troll, Other Top Waters	472,513	\$497,252	670	NA	183,413	6	NA	2	41	41	11	21	21	21	21	21
LA	Lines Troll, Other Top Waters	554,051	\$478,855	258	0.10%	70,828	6	2	2	41	41	11	41	21	21	21	21
GA	Gill Nets, Drift, Shad	240,293	\$179,770	229	1.00%	62,689	0.25	1	1	31	11	11	21	21	21	21	21
MS	Other Trawl Bottom, Fish	130,931	\$35,601	69	2.70%	113,333	0.25	0	1	41	41	41	41	21	21	21	21

Table 3A. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Regional Interaction Factor

STATE	GEARNAME	1987 ROUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
GA	Otter Trawl Bottom, Fish	16,079	\$17,260	4	2.70%	6,570	0.25	0	0	1	41	41	41	41	41	21	21
AL	Otter Trawl Bottom, Fish	3,074	Confidential	2	2.70%	3285	0.25	0	0	1	41	41	41	41	41	21	21
AL	Butterfly Net, GOM Shrimp	8,560	\$12,567	NA	0.10%	NA	0.25	NA	NA	0	41	41	41	41	41	21	21
FL-W	Butterfly Net, GOM Shrimp	9,958	\$24,508	NA	0.10%	NA	0.25	NA	NA	0	41	41	41	41	41	21	21
MS	Butterfly Net, GOM Shrimp	9,958	\$21,712	NA	0.10%	NA	0.25	NA	NA	0	41	41	41	41	41	21	21
TX	Butterfly Net, GOM Shrimp	932	\$2,563	NA	0.10%	NA	0.25	NA	NA	0	41	41	41	41	41	21	21
LA	Butterfly Net, GOM Shrimp	7,458,616	\$14,810,178	1,815	0.10%	496,856	0.25	0	0	0	41	41	41	41	41	21	21
GA	Gill Nets, Drift, Runaround	3,661	\$12,193	NA	0.10%	NA	0.25	NA	NA	0	31	11	21	21	21	21	21
FL-W	Gill Nets, Drift, Runaround	29,514,372	\$8,526,266	1219	0.10%	333,701	0.25	0	0	0	31	11	21	21	21	21	21
LA	Gill Nets, Drift, Runaround	5,200,948	\$2,829,155	199	0.10%	54,476	0.25	0	0	0	31	11	21	21	21	21	21
AL	Gill Nets, Drift, Runaround	988,826	\$320,157	94	0.10%	128,663	0.25	0	0	0	31	11	21	21	21	21	21
MS	Gill Nets, Drift, Runaround	279,230	\$115,891	12	0.10%	3,285	0.25	0	0	0	31	11	21	21	21	21	21
GA	Otter Trawl Bottom, Crab	946,914	\$598,109	26	2.70%	42,705	0.25	0	0	0	41	41	41	41	41	21	21
MS	Chopsticks, GOM Shrimp	180,888	\$624,951	20	2.70%	32,850	0.25	0	0	0	41	41	41	41	41	21	21
TX	Chopsticks, GOM Shrimp	575	\$1,173	NA	2.70%	NA	0.25	NA	NA	0	41	41	41	41	41	21	21
CB	Bag Net	NA	NA	132	0.10%	36,135	1	0	0	0	31	41	41	41	41	21	21
CB	Cast Nets	41,000	NA	946	0.01%	258,968	1	0	0	0	41	41	41	41	41	21	21
FL-W	Cast Nets	725,065	\$208,965	225	0.01%	61,594	1	0	0	0	41	41	41	41	41	21	21
LA	Cast Nets	321,965	\$58,924	8	0.01%	2,190	1	0	0	0	41	41	41	41	41	21	21
GA	Cast Nets	490	\$239	2	0.01%	548	1	0	0	0	41	41	41	41	41	21	21
MS	Cast Nets	520	\$177	1	0.01%	NA	NA	NA	NA	0	41	41	41	41	41	21	21
AL	Gill Nets, Drift, Other	3,400	\$880	3	1.00%	NA	0.25	NA	NA	0	31	11	21	21	21	21	21
FL-W	Gill Nets, Drift, Other	1,415,144	\$823,584	18	1.00%	4,928	0.25	0	0	0	31	11	21	21	21	21	21
GA	Gill Nets, Drift, Other	1,820	\$3,582	14	1.00%	3,833	0.25	0	0	0	31	11	21	21	21	21	21
LA	Haul Seines, Long	653,578	\$122,241	59	0.10%	NA	1	0	0	0	41	41	41	41	41	21	21
CB	Haul Seines, Long	NA	NA	49	0.10%	13,414	1	0	0	0	41	41	41	41	41	21	21
FL-W	Purse Seines, Menhaden	16,923,864	\$1,577,939	NA	0.10%	NA	0.25	NA	NA	0	41	41	41	41	41	21	21
TX	Purse Seines, Menhaden	110,230,000	\$4,826,400	26	0.10%	42,705	0.25	0	0	0	41	41	41	41	41	21	21
LA	Purse Seines, Menhaden	1,590,687,087	\$54,683,524	63	0.10%	103,478	0.25	0	0	0	41	41	41	41	41	21	21
MS	Purse Seines, Menhaden	380,798,520	\$14,521,325	20	0.10%	32,850	0.25	0	0	0	41	41	41	41	41	21	21
AL	Purse Seines, Menhaden	Confidential	Confidential	2	0.10%	3285	0.25	0	0	0	41	41	41	41	41	21	21
LA	Purse Seines, Other	10,220,256	\$412,433	38	0.10%	62,415	0.25	0	0	0	41	41	41	41	41	21	21
FL-W	Purse Seines, Other	5,069,702	\$716,063	23	0.10%	37,778	0.25	0	0	0	41	41	41	41	41	21	21
MS	Purse Seines, Other	2,414,818	\$567,775	5	0.10%	8,213	0.25	0	0	0	41	41	41	41	41	21	21
FL-W	Haul Seines, Beach	6,581,162	\$1,254,577	72	0.01%	19,710	0.25	0	0	0	41	41	41	41	41	21	21
LA	Dip Nets, Common	34,146	\$1,704	200	0.01%	NA	1	0	0	0	41	41	41	41	41	21	21
FL-W	Encircling Nets(Purse)	4,611,219	\$540,514	4	0.10%	1,095	0.25	0	0	0	41	41	41	41	41	21	21
LA	Brush Traps	62,117	\$150,099	32,185	NA	8,810,644	NA	NA	NA	0	41	41	41	41	41	21	21
FL-W	Dip Nets, Common	39,458	\$138,540	12	0.01%	3,285	1	0	0	0	41	41	41	41	41	21	21
FL-W	Diving Outfits, Other	155,536	\$394,686	20	0.01%	5,475	0	0	0	0	41	41	41	41	41	21	21
FL-W	Dredges, Clam	15,176	\$73,692	1	0.10%	274	0	0	0	0	41	41	41	41	41	21	21
FL-W	Dredges, Mussel	980	\$280	NA	0.10%	NA	0	0	0	0	41	41	41	41	41	21	21
TX	Dredges, Oyster Common	2,843,600	\$6,799,400	221	0.10%	60,499	0	0	0	0	41	41	41	41	41	21	21
LA	Dredges, Oyster Common	11,760,469	\$30,377,504	1,097	0.10%	300,304	0	0	0	0	41	41	41	41	41	21	21
MS	Dredges, Oyster Common	57,983	\$188,200	54	0.10%	14,793	0	0	0	0	41	41	41	41	41	21	21
FL-W	Dredges, Scallop, Bay	15,042	\$58,668	NA	0.10%	NA	0	0	0	0	41	41	41	41	41	21	21
FL-W	Entangling Nets(Gill), Unspc.	1,077,150	\$474,600	NA	1.00%	NA	0	0	0	0	31	11	21	21	21	21	21
GA	Entangling Nets(Gill), Unspc.	23,051	\$23,349	NA	1.00%	NA	12	0	0	0	31	11	21	21	21	21	21
GA	Fyke and Hoop Nets, Turtle	35	\$36	NA	0.10%	NA	0.5	0	0	0	41	41	41	41	41	21	21
CB	Gaff	NA	NA	523	0.01%	143,171	0	0	0	0	41	41	41	41	41	21	21
FL-W	Gill Nets, GI 4-7 Inch	55,302	\$105,076	NA	1.00%	NA	12	0	0	0	31	11	21	21	21	21	21
FL-W	Gill Nets, Stake	39,303	\$9,350	NA	1.00%	NA	12	0	0	0	31	11	21	21	21	21	21
CB	Haul Seines, Beach	550,000	NA	117	0.01%	64,058	0.25	0	0	0	41	41	41	41	41	21	21
FL-W	Lines Hand, Abacore	1,939	\$4,576	NA	NA	NA	6	0	0	0	41	41	41	41	41	21	21
FL-W	Lines Power Trawl, Other	2,605	\$1,206	NA	1.00%	NA	6	0	0	0	41	41	41	41	41	21	21

Table 3A. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Regional Interaction Factor

STATE GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
GA Lines Snag	1,015	\$1,808	NA	0.10%	NA	NA	NA	0	0	41	41	11	21	21	21	21
CB Lines Trawl with Balis	24,000	NA	586	0.10%	180,418	6	NA	0	0	31	41	11	41	21	21	21
FL-W Pots and Traps, Crab, Other	4,613,782	\$21,742,915	NA	10.00%	NA	12	NA	0	0	41	31	11	21	21	21	21
FL-W Rakes, Other	625	\$3,289	NA	0.01%	NA	0	NA	0	0	41	41	41	41	41	41	41
GA Rakes, Other	1,700	\$13,290	NA	0.01%	NA	0	NA	0	0	41	41	41	41	41	41	41
FL-W Roller Trawl, GOM Shrimp	291,831	\$627,364	NA	2.70%	NA	0.25	NA	0	0	41	41	41	41	41	41	41
LA Roller Trawl, GOM Shrimp	38,075	71,394	NA	2.70%	NA	0.25	NA	0	0	41	41	41	41	41	41	41
CB Snare	NA	NA	83	NA	NA	NA	NA	0	0	31	41	11	21	21	21	21
AL Spears	13,298	\$16,280	41	0.01%	11,224	0	NA	0	0	41	41	41	41	41	41	41
CB Spears	415,000	NA	365	0.10%	99,919	0	NA	0	0	41	41	41	41	41	41	41
FL-W Spears	102,109	\$80,813	116	0.01%	31,755	0	NA	0	0	41	41	41	41	41	41	41
GA Spears	1,001	\$1,458	NA	0.01%	NA	0	NA	0	0	41	41	41	41	41	41	41
MS Spears	2,510	\$2,765	12	0.01%	3,285	0	NA	0	0	41	41	41	41	41	41	41
AL Tongs & Grabs, Oyster	88,307	\$293,904	275	0.01%	61,875	0	NA	0	0	41	41	41	41	41	41	41
FL-W Tongs & Grabs, Oyster	3,671,490	\$9,579,692	803	0.01%	219,821	0	NA	0	0	41	41	41	41	41	41	41
LA Tongs & Grabs, Oyster	202,083	\$516,231	239	0.01%	65,426	0	NA	0	0	41	41	41	41	41	41	41
MS Tongs & Grabs, Oyster	74,120	\$238,523	141	0.01%	38,599	0	NA	0	0	41	41	41	41	41	41	41
GA Trawls, Unspecified	17,471	\$6,960	NA	2.70%	NA	0.25	NA	0	0	41	41	41	41	41	41	41
GA Troll & Hand Lines, Cmb.	28,703	\$38,890	NA	0.10%	NA	6	NA	0	0	31	11	11	41	41	41	41

Table 3B. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
FL-W	Pots and Traps, Spiny Lobster	349	\$1,170	NA	25.00%	NA	12	NA	2,056,116	41	31	11	11	21	21	21	21
FL-W	Gill Nets, Other	823,986	\$317,678	NA	1.00%	NA	12	NA	117	31	11	11	21	21	21	21	21
CB	Lines Hand, Other Fishing Bottom	1,402,000	NA	3,250	0.10%	889,688	6	NA	44	31	41	11	41	21	21	11	21
CB	Lines Long, Reef Fish Bottom	NA	NA	2,099	0.10%	574,601	6	NA	4	31	41	11	41	21	21	11	21
FL-W	Lines Troll, Other Top Waters	462,000	NA	1,712	NA	466,860	6	NA	2	41	41	41	41	21	21	11	21
FL-W	Lines Troll, Other Top Waters	472,513	\$497,252	670	NA	183,413	6	NA	2	41	41	11	41	21	21	21	21
AL	Butterfly Net, GOM Shrimp	3,074	\$12,567	NA	0.10%	NA	0.25	NA	0	41	41	41	41	21	21	21	21
FL-W	Butterfly Net, GOM Shrimp	8,560	\$24,508	NA	0.10%	NA	0.25	NA	0	41	41	41	41	21	21	21	21
MS	Butterfly Net, GOM Shrimp	9,958	\$21,712	NA	0.10%	NA	NA	NA	0	41	41	41	41	21	21	21	21
TX	Butterfly Net, GOM Shrimp	932	\$2,563	NA	0.10%	NA	0.25	NA	0	41	41	41	41	21	21	41	21
GA	Gill Nets, Drift, Runaround	3,661	\$12,193	NA	0.10%	NA	0.25	NA	0	31	11	11	21	21	21	21	21
TX	Chopsicks, GOM Shrimp	575	\$1,173	NA	2.70%	NA	0.25	NA	0	41	41	41	41	21	21	21	21
MS	Cast Nets	520	\$177	1	0.01%	NA	NA	NA	0	41	41	41	41	21	21	21	21
AL	Gill Nets, Drift, Other	3,400	\$880	3	1.00%	NA	NA	NA	0	41	41	41	41	21	21	21	21
LA	Haul Seines, Long	653,578	\$122,241	59	0.10%	NA	1	NA	0	41	41	41	41	21	21	21	21
FL-W	Purse Seines, Menhaden	16,923,864	\$1,577,839	NA	0.10%	NA	0.25	NA	0	41	41	41	41	21	21	21	21
LA	Dip Nets, Common	34,146	\$1,704	200	0.01%	NA	NA	NA	0	41	41	41	41	21	21	21	21
LA	Brush Traps	62,117	\$150,099	32,185	NA	8,810,644	NA	NA	0	41	41	41	41	21	21	21	21
FL-W	Dredges, Mussel	980	\$280	NA	0.10%	NA	0	NA	0	41	41	41	41	21	21	21	21
FL-W	Dredges, Scallop, Bay	13,042	\$56,668	NA	0.10%	NA	0	NA	0	41	41	41	41	21	21	21	21
FL-W	Entangling Nets(Gill), Unspc.	1,077,150	\$474,600	NA	1.00%	NA	12	NA	0	41	41	41	41	21	21	21	21
GA	Entangling Nets(Gill), Unspc.	23,051	\$23,349	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
GA	Fyke and Hoop Nets, Turtle	35	\$36	NA	0.10%	NA	0.5	NA	0	31	11	11	21	21	21	21	21
FL-W	Gill Nets, GI 4-7 Inch	55,302	\$105,076	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
FL-W	Gill Nets, Stake	39,303	\$9,350	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
FL-W	Lines Hand, Abacore	1,939	\$4,576	NA	NA	NA	6	NA	0	41	41	41	41	21	21	21	21
FL-W	Lines Power Troll, Other	2,605	\$1,206	NA	1.00%	NA	NA	NA	0	41	41	41	41	21	21	21	21
GA	Lines Snag	1,015	\$1,808	NA	0.10%	NA	NA	NA	0	41	41	41	41	21	21	21	21
CB	Lines Trot with Baits	24,000	NA	586	0.10%	180,418	6	NA	0	31	41	11	41	21	21	21	21
FL-W	Pots and Traps, Crab, Other	4,613,792	\$21,742,915	NA	10.00%	NA	12	NA	0	41	41	11	21	21	21	21	21
FL-W	Rakes, Other	825	\$3,269	NA	0.01%	NA	0	NA	0	41	41	41	41	21	21	21	21
FL-W	Roller Trawl, GOM Shrimp	291,831	\$627,364	NA	2.70%	NA	0.25	NA	0	41	41	41	41	21	21	21	21
LA	Roller Trawl, GOM Shrimp	380,751	\$71,394	NA	2.70%	NA	0.25	NA	0	41	41	41	41	21	21	21	21
CB	Snare	NA	NA	83	NA	NA	NA	NA	0	31	41	41	41	21	21	21	21
GA	Trawls, Unspecified	17,471	\$6,960	NA	2.70%	NA	0.25	NA	0	41	41	41	41	21	21	21	21
GA	Trawl & Hand Lines, Cmb.	28,703	\$38,890	NA	0.10%	NA	6	NA	0	31	11	11	41	41	41	21	21
FL-W	Pots and Traps, Spiny Lobster	5,458,515	\$19,781,977	682,500	25.00%	54,054,000	12	2,047,500	2,056,116	31	31	11	11	21	21	11	11
LA	Pots and Traps, Crab, Blue	52,332,727	\$20,308,918	279,169	10.00%	76,422,514	12	335,003	729,277	41	11	11	11	21	21	11	11
FL-W	Pots and Traps, Crab, Blue	10,360,100	\$4,123,382	272,146	10.00%	74,499,968	12	326,575	729,277	41	31	11	11	21	21	11	11
CB	Pots and Traps, Fish	5,221,000	NA	11,710	40.00%	854,830	12	56,208	68,359	41	31	11	11	21	21	11	11
AL	Pots and Traps, Crab, Blue	2,314,546	\$930,764	43,482	10.00%	11,903,198	6	26,089	729,277	41	31	11	11	21	21	11	11
GA	Pots and Traps, Crab, Blue	6,159,238	\$1,947,852	19,175	10.00%	5,249,156	12	23,010	729,277	41	11	11	11	21	21	21	21
TX	Pots and Traps, Crab, Blue	11,687,700	\$4,872,314	11,000	10.00%	3,011,250	12	13,200	729,277	41	11	11	11	21	21	11	11
CB	Pots and Traps, Spiny Lobster	303,000	NA	1,795	40.00%	131,035	12	8,616	2,056,116	31	31	11	11	21	21	11	11
FL-W	Pots and Traps, Fish	777,107	\$1,113,175	6931	10.00%	1,897,361	12	8,317	68,359	41	31	11	11	21	21	21	21
MS	Pots and Traps, Crab, Blue	1,230,029	\$422,937	4500	10.00%	1,231,875	12	5,400	729,277	41	11	11	21	21	21	21	21
LA	Pots and Traps, Fish	486,038	\$223,306	2,920	10.00%	799,350	12	3,504	68,359	41	11	11	21	21	21	21	21
GA	Pots and Traps, Fish	57,219	\$43,430	275	10.00%	75,281	12	330	68,359	41	11	11	21	21	21	21	21
CB	Gill Nets, Other	582,000	NA	944	1.00%	258,420	12	113	113	31	31	11	21	21	11	11	11
LA	Gill Nets, Other	8,922,040	\$5,907,699	890	1.00%	243,638	12	107	117	31	11	11	21	21	11	11	11
TX	Other Trawl Bottom, Shrimp	70,833,231	\$170,675,506	14,367	2.70%	932,966	0.25	97	240	41	41	41	41	21	21	41	21
TX	Other Trawl Bottom, Shrimp	59,067,896	\$188,694,209	13,000	2.70%	21,352,500	0.25	88	240	41	41	41	41	21	21	41	21
CB	Trammel Nets	NA	NA	425	1.00%	116,344	12	51	70	31	31	11	21	21	11	11	21
FL-W	Lines Hand, Other Fishing Bottom	14,351,913	\$17,947,570	5324	0.10%	1,437,445	6	32	44	31	31	11	41	21	21	21	21
FL-W	Other Trawl Bottom, Shrimp	11,330,335	\$36,822,565	3742	2.70%	6,146,235	0.25	25	240	41	41	41	41	21	21	41	21

Table 3B. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
LA	Trammel Nets	2,734,273	\$1,856,169	147	1.00%	40,241	12	18	70	31	11	11	21	41	21	21	21
CB	Pole and Line	NA	NA	283	1.00%	77,471	6	17	17	41	41	41	41	41	21	21	21
AL	Other Trawl Bottom, Shrimp	12,351,832	\$40,646,472	1,929	2.70%	3,168,383	0.25	13	240	41	41	41	41	41	21	21	21
GA	Pots and Traps, Eel	102	\$128	10	10.00%	2,738	12	12	12	41	11	11	21	21	21	21	21
MS	Other Trawl Bottom, Shrimp	8,121,603	\$26,794,033	1688	2.70%	2,739,690	0.25	11	240	41	41	41	41	41	21	21	21
LA	Lines Hand, Other Fishing Bottom	2,852,137	\$4,468,618	1,682	0.10%	454,973	6	10	44	31	11	11	41	21	21	21	21
GA	Gill Nets, Other	35,498	\$23,307	61	1.00%	16,699	12	7	117	31	11	11	21	11	11	21	21
GA	Other Trawl Bottom, Shrimp	480,413	\$232,169	906	2.70%	1,488,105	0.25	6	240	41	41	41	41	41	21	21	21
FL-W	Lines Long Set w/Hooks Top Waters	2,551,556	\$8,552,930	982	0.10%	263,348	6	6	11	31	11	11	41	21	21	21	21
LA	Lines Long Set w/Hooks Top Waters	8,750,285	\$15,124,948	847	0.10%	231,866	6	5	11	31	11	11	41	21	21	21	21
AL	Gill Nets, Other	289,028	\$131,414	28	1.00%	7,665	12	3	117	31	31	11	21	11	11	21	21
FL-W	Lines Long, Reel Fish Bottom	7,091,715	\$10,841,922	534	0.10%	146,183	6	3	41	31	11	11	41	21	21	21	21
LA	Fyke and Hoop Nets, Fish	2,918,417	\$1,260,892	3,198	0.10%	875,453	0.5	2	2	41	11	11	21	21	21	21	21
LA	Lines Troll, Other Top Waters	554,051	\$479,855	258	0.10%	70,628	6	2	2	41	11	11	21	21	21	21	21
MS	Lines Hand, Other Fishing Bottom	886,484	\$1,240,143	143	0.10%	39,146	6	1	44	31	11	11	41	21	21	21	21
AL	Lines Hand, Other Fishing Bottom	296,870	\$404,974	125	0.10%	34,219	6	1	44	31	11	11	41	21	21	21	21
MS	Trammel Nets	21,622	\$21,452	6	1.00%	1,643	12	1	70	31	11	11	21	21	21	21	21
GA	Gill Nets, Drift, Shad	240,293	\$179,770	229	1.00%	62,869	0.25	1	1	31	11	11	21	21	21	21	21
CB	Haul Seines, Beach	550,000	NA	117	0.01%	64,058	0.25	0	0	41	41	41	41	41	21	21	21
FL-W	Dip Nets, Common	39,458	\$138,540	12	0.01%	3,285	1	0	0	41	41	41	41	41	21	21	21
MS	Gill Nets, Other	50,527	\$28,648	4	1.00%	1,085	12	0	117	31	11	11	21	21	21	21	21
AL	Trammel Nets	36,758	\$12,244	6	1.00%	1,843	6	0	70	31	31	11	21	11	11	21	21
FL-W	Trammel Nets	2,298,866	\$1,445,239	3	1.00%	821	12	0	70	31	31	11	21	11	11	21	21
GA	Lines Hand, Other Fishing Bottom	405,852	\$513,900	32	0.10%	8,760	6	0	44	31	11	11	41	21	21	21	21
TX	Lines Long Set w/Hooks Top Waters	1,480,983	\$4,391,625	65	0.10%	17,784	6	0	11	31	11	11	41	21	21	21	21
AL	Lines Long Set w/Hooks Top Waters	1,731,340	\$1,708,006	17	0.10%	4,654	6	0	11	31	31	11	41	21	21	21	21
MS	Lines Long Set w/Hooks Top Waters	135,730	\$33,932	9	0.10%	2,464	6	0	11	31	11	11	41	21	21	21	21
TX	Lines Long, Reel Fish Bottom	137,794	\$277,598	66	0.10%	18,068	6	0	4	31	11	11	21	21	21	21	21
LA	Lines Long, Reel Fish Bottom	1,009,094	\$1,529,478	68	0.10%	18,615	6	0	4	31	11	11	41	21	21	21	21
GA	Lines Long, Reel Fish Bottom	18,951	\$25,364	3	0.10%	821	6	0	4	31	11	11	41	21	21	21	21
AL	Lines Long, Reel Fish Bottom	51,078	\$73,675	2	0.10%	548	6	0	4	31	11	11	41	21	21	21	21
MS	Other Trawl Bottom, Fish	130,931	\$35,801	69	2.70%	113,333	0.25	0	1	41	41	41	41	41	21	21	21
GA	Other Trawl Bottom, Fish	16,079	\$17,260	4	2.70%	6,570	0.25	0	1	41	41	41	41	41	21	21	21
AL	Other Trawl Bottom, Fish	Confidential	Confidential	2	2.70%	3,285	0.25	0	1	41	41	41	41	41	21	21	21
LA	Butterfly Net, GOM Shrimp	7,456,616	\$14,810,178	1,815	0.10%	496,856	0.25	0	0	41	41	41	41	41	21	21	21
FL-W	Gill Nets, Drift, Runaround	29,514,372	\$8,526,266	1219	0.10%	333,701	0.25	0	0	31	11	11	21	21	21	21	21
LA	Gill Nets, Drift, Runaround	5,200,948	\$2,829,155	199	0.10%	54,476	0.25	0	0	31	11	11	21	21	21	21	21
AL	Gill Nets, Drift, Runaround	986,826	\$320,157	94	0.10%	128,663	0.25	0	0	31	31	11	21	21	21	21	21
MS	Gill Nets, Drift, Runaround	279,230	\$115,891	12	0.10%	3,285	0.25	0	0	31	11	11	21	21	21	21	21
GA	Other Trawl Bottom, Crab	946,914	\$598,109	26	2.70%	42,705	0.25	0	0	41	41	41	41	41	21	21	21
MS	Chopsticks, GOM Shrimp	180,888	\$624,951	20	2.70%	32,850	0.25	0	0	41	41	41	41	41	21	21	21
CB	Bag Net	NA	NA	132	0.10%	36,135	1	0	0	41	41	41	41	41	21	21	21
CB	Cast Nets	41,000	NA	946	0.01%	258,968	1	0	0	41	41	41	41	41	21	21	21
FL-W	Cast Nets	725,065	\$208,965	225	0.01%	61,594	1	0	0	41	41	41	41	41	21	21	21
LA	Cast Nets	321,965	\$58,924	8	0.01%	2,190	1	0	0	41	11	41	41	41	21	21	21
GA	Cast Nets	490	\$239	2	0.01%	548	1	0	0	41	11	41	41	41	21	21	21
FL-W	Gill Nets, Drift, Other	1,415,144	\$823,584	18	1.00%	4,928	0.25	0	0	31	31	11	21	21	21	21	21
GA	Gill Nets, Drift, Other	1,820	\$3,582	14	1.00%	3,833	0.25	0	0	31	11	11	21	21	21	21	21
CB	Haul Seines, Long	NA	NA	49	0.10%	13,414	1	0	0	41	41	11	41	41	21	21	21
TX	Purse Seines, Menhaden	110,230,000	\$4,626,400	26	0.10%	42,705	0.25	0	0	41	41	11	41	41	21	21	21
LA	Purse Seines, Menhaden	1,590,687,097	\$54,683,524	63	0.10%	103,478	0.25	0	0	41	41	41	41	41	21	21	21
MS	Purse Seines, Menhaden	380,788,520	\$14,521,325	20	0.10%	32,850	0.25	0	0	41	41	41	41	41	21	21	21
AL	Purse Seines, Menhaden	Confidential	Confidential	2	0.10%	32,850	0.25	0	0	41	41	41	41	41	21	21	21
LA	Purse Seines, Other	10,220,256	\$412,433	38	0.10%	62,415	0.25	0	0	41	41	41	41	41	21	21	21
FL-W	Purse Seines, Other	5,069,702	\$716,063	23	0.10%	37,778	0.25	0	0	41	41	41	41	41	21	21	21

Table 3B. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
MS	Purse Seines, Other	2,414,818	\$567,775	5	0.10%	8,213	0.25	0	0	0	41	41	41	41	21	41	21
FL-W	Haul Seines, Beach	6,581,162	\$1,254,577	72	0.01%	19,710	0.25	0	0	0	41	41	41	41	41	21	21
FL-W	Encircling Nets(Purse)	4,611,219	\$540,514	4	0.10%	1,095	0.25	0	0	0	41	41	41	41	41	21	21
FL-W	Diving Outfits, Other	155,536	\$394,686	20	0.01%	5,475	0	0	0	0	41	41	41	41	41	41	41
FL-W	Dredges, Clam	15,176	\$73,692	1	0.10%	274	0	0	0	0	41	41	41	41	41	41	41
TX	Dredges, Oyster Common	2,843,600	\$6,799,400	221	0.10%	60,489	0	0	0	0	41	41	41	41	41	41	41
LA	Dredges, Oyster Common	11,760,469	\$30,377,504	1,097	0.10%	300,304	0	0	0	0	41	41	41	41	41	41	41
MS	Dredges, Oyster Common	57,983	\$188,200	54	0.10%	14,783	0	0	0	0	41	41	41	41	41	41	41
CB	Gill	NA	NA	523	0.01%	143,171	0	0	0	0	41	41	41	41	41	41	41
GA	Rakes, Other	1,700	\$13,280	NA	0.01%	NA	0	0	0	0	41	41	41	41	41	41	41
AL	Spears	13,298	\$16,280	41	0.01%	11,224	0	0	0	0	41	41	41	41	41	41	41
CB	Spears	415,000	NA	365	0.10%	99,919	0	0	0	0	41	41	41	41	41	41	41
FL-W	Spears	102,109	\$80,813	116	0.01%	31,755	0	0	0	0	41	41	41	41	41	41	41
GA	Spears	1,001	\$1,458	NA	0.01%	NA	0	0	0	0	41	41	41	41	41	41	41
MS	Spears	2,510	\$2,785	12	0.01%	3,285	0	0	0	0	41	41	41	41	41	41	41
AL	Tongs & Grabs, Oyster	88,307	\$293,904	275	0.01%	61,875	0	0	0	0	41	41	41	41	41	41	41
FL-W	Tongs & Grabs, Oyster	3,671,490	\$9,578,692	803	0.01%	219,821	0	0	0	0	41	41	41	41	41	41	41
LA	Tongs & Grabs, Oyster	202,083	\$516,231	239	0.01%	65,426	0	0	0	0	41	41	41	41	41	41	41
MS	Tongs & Grabs, Oyster	74,120	\$238,523	141	0.01%	38,599	0	0	0	0	41	41	41	41	41	41	41

Table 3C. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

STATE	GEARNAME	1987		GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR		Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
		POUNDS	DOLLARS						NA	NA	117	31	31	11	21	11	21	21
FL-W	Gill Nets, Other	823,986	\$317,876	NA	1.00%	NA	12	NA	NA	117	31	31	11	21	11	21	21	21
CB	Lines Hand, Other Fishing Bottom	1,402,000	NA	3,250	0.10%	889,688	6	NA	NA	44	31	41	11	41	21	21	11	21
CB	Lines Long, Reel Fish Bottom	NA	NA	2,099	0.10%	574,601	6	NA	NA	44	31	41	11	41	21	21	11	21
GA	Gill Nets, Drift, Runaround	3,661	\$12,193	NA	0.10%	NA	0.25	NA	NA	0	31	11	11	21	21	21	21	21
AL	Gill Nets, Drift, Other	3,400	\$880	3	1.00%	NA	0.25	NA	NA	0	31	31	11	21	21	21	21	21
FL-W	Entangling Nets(Gill), Unspc.	1,077,150	\$474,600	NA	1.00%	NA	12	NA	NA	0	31	31	11	21	21	21	21	21
GA	Entangling Nets(Gill), Unspc.	23,051	\$23,349	NA	1.00%	NA	12	NA	NA	0	31	31	11	21	21	21	21	21
FL-W	Gill Nets, GI 4-7 Inch	55,302	\$105,076	NA	1.00%	NA	12	NA	NA	0	31	31	11	21	21	21	21	21
FL-W	Gill Nets, Stake	39,303	\$9,350	NA	1.00%	NA	12	NA	NA	0	31	31	11	21	21	21	21	21
CB	Lines Trot with Bails	24,000	NA	586	0.10%	160,418	6	NA	NA	0	31	31	11	21	21	21	21	21
CB	Snare	NA	NA	83	NA	NA	NA	NA	NA	0	31	41	11	41	21	21	21	21
GA	Troll & Hand Lines, Cmb.	28,703	\$38,890	NA	0.10%	NA	6	NA	NA	0	31	11	11	41	41	21	21	21
FL-W	Pots and Traps, Spiny Lobster	5,458,515	\$19,781,977	682,500	25.00%	54,054,000	12	2,047,500	2,056,116	31	31	11	11	21	21	21	11	11
CB	Pots and Traps, Spiny Lobster	303,000	NA	1,795	40.00%	131,035	12	8,616	2,056,116	31	31	11	11	11	11	11	11	11
CB	Gill Nets, Other	582,000	NA	944	1.00%	258,420	12	113	107	31	31	11	11	21	11	11	11	11
LA	Gill Nets, Other	8,922,040	\$5,907,699	880	1.00%	243,638	12	107	113	31	11	11	11	21	11	11	11	11
CB	Trammel Nets	NA	NA	425	1.00%	116,344	12	51	70	31	31	11	11	21	11	11	11	11
FL-W	Lines Hand, Other Fishing Bottom	14,351,913	\$17,847,570	5324	0.10%	1,457,445	6	32	44	31	31	11	11	41	21	21	21	21
LA	Trammel Nets	2,734,273	\$1,856,169	147	1.00%	40,241	12	18	70	31	11	11	11	41	21	21	21	21
LA	Lines Hand, Other Fishing Bottom	2,852,137	\$4,466,618	1,662	0.10%	454,973	6	10	44	31	11	11	11	41	21	21	21	21
GA	Gill Nets, Other	35,498	\$23,307	61	1.00%	16,699	12	7	117	31	11	11	11	21	11	11	11	11
FL-W	Lines Long Set w/Hooks Top Waters	2,551,556	\$6,552,930	962	0.10%	263,348	6	6	11	31	31	11	11	41	21	21	21	21
LA	Lines Long Set w/Hooks Top Waters	8,750,285	\$15,124,948	847	0.10%	231,866	6	5	11	31	11	11	11	41	21	21	21	21
AL	Gill Nets, Other	269,028	\$131,414	28	1.00%	7,665	12	3	117	31	31	11	11	21	11	11	11	11
FL-W	Lines Long, Reel Fish Bottom	7,091,715	\$10,841,922	534	0.10%	146,183	6	3	4	31	31	11	11	41	21	21	21	21
MS	Lines Hand, Other Fishing Bottom	886,484	\$1,240,143	143	0.10%	39,146	6	1	44	31	11	11	11	41	21	21	21	21
AL	Lines Hand, Other Fishing Bottom	286,870	\$404,874	125	0.10%	34,219	6	1	44	31	31	11	11	41	21	21	21	21
MS	Trammel Nets	21,622	\$21,452	6	1.00%	1,643	12	1	70	31	11	11	11	21	21	21	21	21
GA	Gill Nets, Drift, Shad	240,293	\$179,770	229	1.00%	62,699	0.25	1	1	31	11	11	11	21	21	21	21	21
MS	Gill Nets, Other	50,527	\$28,648	4	1.00%	1,095	12	0	117	31	11	11	11	21	21	21	21	21
AL	Trammel Nets	36,758	\$12,244	6	1.00%	1,643	6	0	70	31	31	11	11	21	11	11	21	21
FL-W	Trammel Nets	2,298,866	\$1,445,239	3	1.00%	821	12	0	70	31	31	11	11	21	11	11	21	21
GA	Lines Hand, Other Fishing Bottom	405,852	\$513,900	32	0.10%	8,760	6	0	44	31	11	11	11	41	21	21	21	21
TX	Lines Long Set w/Hooks Top Waters	1,480,983	\$4,391,625	65	0.10%	17,794	6	0	11	31	11	11	11	21	21	21	21	21
AL	Lines Long Set w/Hooks Top Waters	1,731,340	\$1,708,006	17	0.10%	4,654	6	0	11	31	31	11	11	41	21	21	21	21
MS	Lines Long Set w/Hooks Top Waters	135,730	\$33,932	9	0.10%	2,464	6	0	11	31	11	11	11	41	21	21	21	21
TX	Lines Long, Reel Fish Bottom	137,794	\$277,598	66	0.10%	18,068	6	0	4	31	11	11	11	21	21	21	21	21
LA	Lines Long, Reel Fish Bottom	1,009,094	\$1,529,478	68	0.10%	18,615	6	0	4	31	11	11	11	41	21	21	21	21
GA	Lines Long, Reel Fish Bottom	18,951	\$25,364	3	0.10%	821	6	0	4	31	11	11	11	41	21	21	21	21
AL	Lines Long, Reel Fish Bottom	51,078	\$73,675	2	0.10%	548	6	0	4	31	31	11	11	41	21	21	21	21
FL-W	Gill Nets, Drift, Runaround	29,514,372	\$8,528,266	1219	0.10%	333,701	0.25	0	0	31	31	11	11	21	21	21	21	21
LA	Gill Nets, Drift, Runaround	5,200,948	\$2,829,155	199	0.10%	54,476	0.25	0	0	31	11	11	11	21	21	21	21	21
AL	Gill Nets, Drift, Runaround	986,826	\$320,157	94	0.10%	128,663	0.25	0	0	31	31	11	11	21	21	21	21	21
MS	Gill Nets, Drift, Runaround	279,230	\$115,891	12	0.10%	3,255	0.25	0	0	31	11	11	11	21	21	21	21	21
CB	Bag Net	NA	NA	132	0.10%	36,135	1	0	0	31	11	11	11	21	21	21	21	21
FL-W	Gill Nets, Drift, Other	1,415,144	\$823,584	18	1.00%	4,928	0.25	0	0	31	31	11	11	41	21	21	21	21
GA	Gill Nets, Drift, Other	1,820	\$3,582	14	1.00%	3,833	0.25	0	0	31	11	11	11	21	21	21	21	21

Table 3D. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Birds		Secondary Sort: Lost Gear Interaction Factor															
STATE	GEARNAME	1987		GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR		LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR		Mammals	Birds	Reptiles	Target By-catch	Econ	AestheticSafety
		POUNDS	DOLLARS														
FL-W	Trammel Nets	2,298,866	\$1,445,239	3	1.00%	821	12	0	70	31	31	31	31	11	21	21	21
AL	Lines Long Set w/Hooks Top Waters	1,731,340	\$1,708,008	17	0.10%	4,654	6	0	11	31	31	31	31	11	41	21	21
AL	Lines Long, Reef Fish Bottom	51,078	\$73,675	2	0.10%	548	6	0	4	31	31	31	31	11	41	21	21
FL-W	Gill Nets, Drift, Runaround	29,514,372	\$8,526,266	1219	0.10%	333,701	0.25	0	0	31	31	31	31	11	21	21	21
AL	Gill Nets, Drift, Runaround	986,826	\$320,157	94	0.10%	128,663	0.25	0	0	31	31	31	31	11	21	21	21
FL-W	Cast Nets	725,065	\$208,965	225	0.01%	61,594	1	0	0	41	31	41	31	41	41	21	21
FL-W	Gill Nets, Drift, Other	1,415,144	\$823,584	18	1.00%	4,928	0.25	0	0	31	31	31	31	11	21	21	21

Table 3E: Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Replishes		Secondary Sort: Lost Gear Interaction Factor													
STATE		1987	1987	GEAR	PERCENT OF	INTERACTION		REGIONAL		Target		By-catch		Econ	
GEARNAME		POUNDS	DOLLARS	AVAILABLE	GEAR LOST	# OF GEAR	PER MONTH	INTERACTION	FACTOR	Mammals	Birds	Replishes	FACTOR	Loss	Safety
				FOR DEPLOYMENT	PER YEAR	PER YEAR	PER YEAR	FACTOR							
FL-W	Pots and Traps, Spiny Lobster	349	\$1,170	NA	25.00%	NA	12	NA	2,056.116	41	31	11	21	21	21
FL-W	Gill Nets, Other	823,986	\$317,676	NA	1.00%	NA	12	NA	117	31	31	11	21	21	21
CB	Lines Hand, Other Fishing Bottom	1,402,000	NA	3,250	0.10%	889,688	6	NA	44	41	11	41	21	21	21
CB	Lines Long, Reef Fish Bottom	NA	NA	2,099	0.10%	574,601	6	NA	4	31	41	11	41	21	21
FL-W	Lines Troll, Other Top Waters	472,513	\$497,252	870	NA	183,413	6	NA	2	41	11	41	21	21	21
GA	Gill Nets, Drift, Runaround	3,661	\$12,193	NA	0.10%	NA	0.25	NA	0	31	11	11	21	21	21
AL	Gill Nets, Drift, Other	3,400	\$880	3	1.00%	NA	0.25	NA	0	31	11	11	21	21	21
LA	Brush Traps	62,117	\$150,099	32,185	NA	8,810,644	NA	NA	0	41	11	11	21	21	21
FL-W	Entangling Nets(Gill), Unspo.	1,077,150	\$474,600	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21
GA	Entangling Nets(Gill), Unspo.	23,051	\$23,349	NA	1.00%	NA	12	NA	0	31	11	11	21	21	21
GA	Fyke and Hoop Nets, Turtle	35	\$36	NA	0.10%	NA	0.5	NA	0	41	11	11	21	21	21
FL-W	Gill Nets, GI 4-7 Inch	55,302	\$105,076	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21
FL-W	Gill Nets, Stake	39,303	\$9,350	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21
FL-W	Lines Hand, Abacore	1,939	\$4,576	NA	NA	NA	6	NA	0	41	11	11	41	21	21
FL-W	Lines Power Troll, Other	2,605	\$1,206	NA	1.00%	NA	6	NA	0	41	11	11	41	21	21
GA	Lines Snag	1,015	\$1,808	NA	0.10%	NA	NA	NA	0	41	11	11	21	21	21
CB	Lines Troll with Baits	24,000	NA	586	0.10%	160,418	6	NA	0	31	41	11	21	21	21
FL-W	Pots and Traps, Crab Other	4,613,792	\$21,742,915	NA	10.00%	NA	12	NA	0	41	31	11	21	21	21
FL-W	Roller Trawl, GOM Shrimp	291,831	\$627,364	NA	2.70%	NA	0.25	NA	0	41	11	11	41	21	21
CB	Snare	NA	NA	83	NA	NA	NA	NA	0	31	41	11	21	21	21
GA	Troll & Hand Lines, Cmb.	28,703	\$38,890	NA	0.10%	NA	6	NA	0	31	11	11	41	21	21
FL-W	Pots and Traps, Spiny Lobster	5,458,515	\$19,781,977	682,500	25.00%	54,054,000	12	2,047,500	2,056.116	31	31	11	21	21	21
LA	Pots and Traps, Crab,Blue	52,332,727	\$20,308,918	279,169	10.00%	76,422,514	12	335,003	729,277	41	11	11	21	21	21
FL-W	Pots and Traps, Crab,Blue	10,360,100	\$4,123,382	272,146	10.00%	74,499,968	12	326,575	729,277	41	11	11	21	21	21
CB	Pots and Traps, Fish	5,221,000	NA	11,710	40.00%	854,830	12	56,208	68,359	41	31	11	11	11	11
AL	Pots and Traps, Crab,Blue	2,314,546	\$930,764	43,482	10.00%	11,903,198	6	26,089	729,277	41	31	11	11	11	11
GA	Pots and Traps, Crab,Blue	6,159,238	\$1,947,852	19,175	10.00%	5,249,456	12	23,010	729,277	41	31	11	21	21	21
TX	Pots and Traps, Crab,Blue	11,887,700	\$4,872,314	11,000	10.00%	3,011,250	12	13,200	729,277	41	11	11	21	21	21
CB	Pots and Traps, Spiny Lobster	303,000	NA	1,795	40.00%	131,035	12	8,616	2,056.116	31	31	11	21	21	21
FL-W	Pots and Traps, Fish	777,107	\$1,113,175	6931	10.00%	1,897,361	12	8,317	68,359	41	31	11	11	11	11
MS	Pots and Traps, Crab,Blue	1,230,029	\$422,937	4500	10.00%	1,231,875	12	5,400	729,277	41	11	11	21	21	21
LA	Pots and Traps, Fish	486,038	\$223,306	2,920	10.00%	799,350	12	3,504	68,359	41	11	11	21	21	21
GA	Pots and Traps, Fish	57,219	\$43,430	275	10.00%	75,281	12	330	68,359	41	11	11	21	21	21
CB	Gill Nets, Other	582,000	NA	944	1.00%	258,420	12	113	113	31	31	11	11	11	11
LA	Gill Nets, Other	8,922,040	\$5,907,699	890	1.00%	243,638	12	107	117	31	11	11	21	21	21
CB	Trammel Nets	NA	NA	425	1.00%	116,344	12	51	70	31	31	11	21	21	21
FL-W	Lines Hand, Other Fishing Bottom	14,351,913	\$17,947,570	5324	0.10%	1,457,445	6	32	44	31	11	11	21	21	21
LA	Trammel Nets	2,734,273	\$1,856,169	147	1.00%	40,241	12	18	70	31	11	11	41	21	21
GA	Pots and Traps, Eel	102	\$128	10	10.00%	2,738	12	12	12	41	11	11	21	21	21
LA	Lines Hand, Other Fishing Bottom	2,852,137	\$4,466,618	1,662	0.10%	454,973	6	10	44	31	11	11	41	21	21
GA	Pots and Traps, Eel	35,498	\$23,307	61	1.00%	16,699	12	7	117	31	11	11	21	21	21
FL-W	Lines Long Set w/Hooks Top Waters	2,551,556	\$6,552,930	962	0.10%	263,348	6	6	11	31	11	11	41	21	21
LA	Lines Long Set w/Hooks Top Waters	8,750,285	\$15,124,948	847	0.10%	231,866	6	5	11	31	11	11	41	21	21
AL	Gill Nets, Other	269,028	\$131,414	28	1.00%	7,665	12	3	117	31	11	11	21	21	21
FL-W	Lines Long, Reef Fish Bottom	7,091,715	\$10,841,922	534	0.10%	146,183	12	3	11	31	11	11	41	21	21
LA	Fyke and Hoop Nets, Fish	2,918,417	\$479,855	3,198	0.10%	875,453	0.5	2	4	31	11	11	21	21	21
LA	Lines Troll, Other Top Waters	554,051	\$479,855	258	0.10%	70,628	6	2	2	41	11	11	41	21	21
MS	Lines Hand, Other Fishing Bottom	886,484	\$1,240,143	143	0.10%	39,146	6	1	44	31	11	11	41	21	21
AL	Lines Hand, Other Fishing Bottom	296,870	\$404,974	125	0.10%	34,219	6	1	44	31	11	11	41	21	21
MS	Trammel Nets	21,622	\$21,452	6	1.00%	1,643	12	1	70	31	11	11	21	21	21
GA	Gill Nets, Drift, Shad	240,293	\$179,770	229	1.00%	62,689	0.25	1	31	11	11	11	21	21	21
MS	Gill Nets, Other	50,527	\$28,648	4	1.00%	1,095	12	0	117	31	11	11	21	21	21
AL	Trammel Nets	36,758	\$12,244	6	1.00%	1,643	6	0	70	31	11	11	21	21	21
FL-W	Trammel Nets	2,298,866	\$1,445,239	3	1.00%	821	12	0	70	31	11	11	21	21	21
GA	Lines Hand, Other Fishing Bottom	405,852	\$513,900	32	0.10%	8,760	6	0	44	31	11	11	41	21	21

Table 3G. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Bycatch
Secondary Sort: Lost Gear Interaction Factor

STATE	GEAR/NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR/LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
MS	Trammel Net	21,822	\$21,452	6	1.00%	1,643	12	1	70	1	11	11	21	21	21	21	21
GA	Gill Nets, Drift, Shad	240,293	\$179,770	229	1.00%	82,689	0.25	1	1	1	11	11	21	21	21	21	21
CB	Haul Seines, Beach	550,000	NA	117	0.01%	84,058	0.25	0	0	0	41	41	41	21	21	21	41
MS	Gill Nets, Other	50,527	\$28,648	4	1.00%	1,095	12	0	117	31	11	11	21	21	21	21	21
FL-W	Trammel Net	2,298,866	\$1,445,239	3	1.00%	821	12	0	70	31	31	11	21	21	21	21	21
GA	Lines Hand, Other Fishing Bottom	405,852	\$513,900	32	0.10%	8,760	6	0	44	31	11	11	41	21	21	21	21
TX	Lines Long Set w/Hooks Top Waters	1,480,983	\$4,391,825	65	0.10%	17,794	6	0	11	31	11	11	21	21	21	21	21
AL	Lines Long Set w/Hooks Top Waters	1,731,340	\$1,708,008	17	0.10%	4,654	6	0	11	31	11	11	21	21	21	21	21
MS	Lines Long Set w/Hooks Top Waters	135,730	\$33,932	9	0.10%	2,464	6	0	11	31	11	11	41	21	21	21	21
TX	Lines Long, Reef Fish Bottom	137,784	\$277,598	66	0.10%	18,068	6	0	4	31	11	11	21	21	21	21	21
LA	Lines Long, Reef Fish Bottom	1,009,094	\$1,529,478	68	0.10%	18,615	6	0	4	31	11	11	41	21	21	21	21
GA	Lines Long, Reef Fish Bottom	18,951	\$25,364	3	0.10%	821	6	0	821	4	31	11	41	21	21	21	21
AL	Lines Long, Reef Fish Bottom	51,078	\$73,675	2	0.10%	548	6	0	4	31	11	11	41	21	21	21	21
LA	Butterfly Net, GOM Shrimp	7,456,616	\$14,810,178	1,815	0.10%	486,856	0.25	0	0	41	41	41	41	21	21	21	21
FL-W	Gill Nets, Drift, Runaround	29,514,372	\$8,526,266	1219	0.10%	333,701	0.25	0	31	31	11	11	21	21	21	21	21
LA	Gill Nets, Drift, Runaround	5,200,848	\$2,829,155	199	0.10%	54,476	0.25	0	0	31	11	11	21	21	21	21	21
MS	Gill Nets, Drift, Runaround	279,230	\$115,891	12	0.10%	3,285	0.25	0	0	31	11	11	21	21	21	21	21
CB	Bag Net	NA	NA	132	0.10%	36,135	1	0	0	31	11	11	21	21	21	21	21
FL-W	Cast Nets	725,065	\$208,965	225	0.01%	61,594	1	0	0	31	41	41	41	21	21	21	41
LA	Cast Nets	321,965	\$58,924	8	0.01%	2,190	1	0	0	41	31	41	41	21	21	21	21
GA	Cast Nets	490	\$239	2	0.01%	548	1	0	0	41	11	41	41	21	21	21	21
FL-W	Gill Nets, Drift, Other	1,415,144	\$823,584	18	1.00%	4,928	0.25	0	0	31	11	41	41	21	21	21	41
GA	Gill Nets, Drift, Other	1,820	\$3,582	14	1.00%	3,833	0.25	0	0	31	11	11	21	21	21	21	21
CB	Haul Seines, Long	NA	NA	49	0.10%	13,414	1	0	0	41	41	11	41	21	21	21	41

Table 3H. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Econ																	
Secondary Sort: Lost Gear Interaction Factor																	
STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
FL-W	Gill Nets, Other	823,986	\$317,876	NA	1.00%	NA	12	NA	117	31	31	11	21	11	11	21	21
FL-W	Pots and Traps, Spiny Lobster	5,458,515	\$19,781,977	682,500	25.00%	54,054,000	12	2,047,500	2,056,116	31	31	11	11	21	11	11	11
LA	Pots and Traps, Crab Blue	52,332,727	\$20,308,918	279,189	10.00%	76,422,514	12	335,003	729,277	41	11	11	11	21	11	11	11
FL-W	Pots and Traps, Crab Blue	10,360,100	\$4,123,382	272,148	10.00%	74,499,968	12	326,575	729,277	41	31	11	11	21	11	11	11
CB	Pots and Traps, Fish	5,221,000	NA	11,710	40.00%	854,830	12	56,208	68,359	41	31	11	11	21	11	11	11
AL	Pots and Traps, Crab Blue	2,314,546	\$930,764	43,482	10.00%	11,903,198	6	26,089	729,277	41	31	11	11	21	11	11	11
GA	Pots and Traps, Crab Blue	6,159,238	\$1,947,852	19,175	10.00%	5,249,156	12	23,010	729,277	41	11	11	11	21	11	11	11
TX	Pots and Traps, Crab Blue	11,687,700	\$4,872,314	11,000	10.00%	3,011,250	12	13,200	729,277	41	11	11	11	21	11	11	11
CB	Pots and Traps, Spiny Lobster	303,000	NA	1,795	40.00%	131,035	12	8,616	2,056,116	31	31	11	11	21	11	11	11
GA	Pots and Traps, Fish	57,219	\$43,430	275	10.00%	75,281	12	330	68,359	41	11	11	11	21	11	11	11
CB	Gill Nets, Other	582,000	NA	944	1.00%	258,420	12	113	113	31	31	11	11	21	11	11	11
LA	Gill Nets, Other	8,922,040	\$5,907,699	890	1.00%	243,638	12	107	117	31	11	11	11	21	11	11	11
CB	Trawl Net	NA	NA	425	1.00%	116,344	12	51	70	31	31	11	11	21	11	11	11
GA	Gill Nets, Other	35,498	\$23,307	61	1.00%	16,699	12	7	117	31	11	11	11	21	11	11	11
AL	Gill Nets, Other	269,028	\$131,414	28	1.00%	7,665	12	3	117	31	31	11	11	21	11	11	11
AL	Trawl Net	36,758	\$12,244	6	1.00%	1,643	6	0	70	31	31	11	11	21	11	11	11
AL	Gill Nets, Drift, Runaround	986,826	\$320,157	94	0.10%	128,663	0.25	0	0	31	31	11	11	21	11	11	11
FL-W	Pots and Traps, Spiny Lobster	349	\$1,170	NA	25.00%	NA	12	NA	2,056,116	41	31	11	11	21	11	11	11
CB	Lines Hand, Other Fishing Bottom	1,402,000	NA	3,250	0.10%	889,888	6	NA	44	31	41	11	11	21	11	11	11
CB	Lines Long, Reef Fish Bottom	NA	NA	2,099	0.10%	574,601	6	NA	44	31	41	11	11	21	11	11	11
CB	Lines Troll, Other Top Waters	462,000	NA	1,712	NA	468,660	6	NA	2	41	41	11	11	21	11	11	11
FL-W	Lines Troll, Other Top Waters	472,513	\$497,252	670	NA	183,413	6	NA	2	41	41	11	11	21	11	11	11
AL	Butterfly Net, GOM Shrimp	3,074	\$12,567	NA	0.10%	NA	0.25	NA	0	41	41	11	11	21	11	11	11
FL-W	Butterfly Net, GOM Shrimp	8,560	\$24,506	NA	0.10%	NA	0.25	NA	0	41	41	11	11	21	11	11	11
MS	Butterfly Net, GOM Shrimp	9,958	\$21,712	NA	0.10%	NA	0.25	NA	0	41	41	11	11	21	11	11	11
TX	Butterfly Net, GOM Shrimp	932	\$2,563	NA	0.10%	NA	0.25	NA	0	41	41	11	11	21	11	11	11
GA	Gill Nets, Drift, Runaround	3,661	\$12,193	NA	0.10%	NA	0.25	NA	0	31	11	11	11	21	11	11	11
TX	Chopsticks, GOM Shrimp	575	\$1,173	NA	2.70%	NA	0.25	NA	0	41	11	11	11	21	11	11	11
MS	Cast Nets	520	\$177	1	0.01%	NA	0.25	NA	0	41	11	11	11	21	11	11	11
AL	Gill Nets, Drift, Other	3,400	\$880	3	1.00%	NA	0.25	NA	0	31	31	11	11	21	11	11	11
LA	Haul Seines, Long	653,578	\$122,241	59	0.10%	NA	1	NA	0	41	41	11	11	21	11	11	11
LA	Brush Traps	82,117	\$150,099	32,185	NA	8,810,844	NA	NA	0	41	11	11	11	21	11	11	11
FL-W	Entangling Nets(Gill), Unspc.	1,077,150	\$474,600	NA	1.00%	NA	12	NA	0	31	31	11	11	21	11	11	11
GA	Entangling Nets(Gill), Unspc.	23,051	\$23,349	NA	1.00%	NA	12	NA	0	31	11	11	11	21	11	11	11
GA	Fyke and Hoop Nets, Turtle	35	\$36	NA	0.10%	NA	0.5	NA	0	41	11	11	11	21	11	11	11
FL-W	Gill Nets, Gl 4-7 Inch	55,302	\$105,076	NA	1.00%	NA	12	NA	0	31	31	11	11	21	11	11	11
FL-W	Gill Nets, Stake	39,303	\$9,350	NA	1.00%	NA	12	NA	0	31	31	11	11	21	11	11	11
FL-W	Lines Hand, Abacore	1,939	\$4,576	NA	NA	NA	6	NA	0	41	11	11	11	21	11	11	11
FL-W	Lines Power Troll, Other	2,605	\$1,206	NA	1.00%	NA	6	NA	0	41	11	11	11	21	11	11	11
GA	Lines Snag	1,015	\$1,808	NA	0.10%	NA	6	NA	0	41	41	11	11	21	11	11	11
CB	Lines Troll with Baits	24,000	NA	586	0.10%	160,418	6	NA	0	41	41	11	11	21	11	11	11
FL-W	Pots and Traps, Crab Other	4,613,792	\$21,742,915	NA	10.00%	NA	12	NA	0	31	41	11	11	21	11	11	11
LA	Roller Trawl, GOM Shrimp	38,075	71,394	NA	2.70%	NA	0.25	NA	0	41	31	11	11	21	11	11	11
CB	Snare	NA	NA	83	NA	NA	NA	NA	0	41	41	11	11	21	11	11	11
FL-W	Pots and Traps, Fish	777,107	\$1,113,175	6931	10.00%	1,897,361	12	8,317	68,359	41	31	41	11	21	11	11	11
MS	Pots and Traps, Crab Blue	1,230,029	\$422,937	4500	10.00%	1,231,875	12	5,400	729,277	41	11	11	11	21	11	11	11
LA	Pots and Traps, Fish	486,038	\$223,306	2,920	10.00%	799,350	12	3,504	68,359	41	11	11	11	21	11	11	11
LA	Other Trawl Bottom, Shrimp	70,833,231	\$170,675,506	14,367	2.70%	3,932,966	0.25	97	240	41	41	11	11	21	11	11	11
TX	Other Trawl Bottom, Shrimp	59,067,896	\$188,694,209	13,000	2.70%	21,352,500	0.25	88	240	41	41	11	11	21	11	11	11
FL-W	Lines Hand, Other Fishing Bottom	14,351,913	\$17,947,570	5324	0.10%	1,457,445	6	32	44	31	31	11	11	21	11	11	11
LA	Trawl Net	2,734,273	\$1,856,169	147	1.00%	40,241	12	18	70	31	11	11	11	21	11	11	11
CB	Pole and Line	NA	NA	283	1.00%	77,471	6	17	17	41	41	11	11	21	11	11	11
AL	Other Trawl Bottom, Shrimp	12,351,832	\$40,648,472	1,929	2.70%	3,168,383	0.25	13	240	41	41	11	11	21	11	11	11
GA	Pots and Traps, Eel	102	\$128	10	10.00%	2,738	12	12	12	41	11	11	11	21	11	11	11
MS	Other Trawl Bottom, Shrimp	8,121,603	\$26,794,033	1668	2.70%	2,739,690	0.25	11	240	41	41	11	11	21	11	11	11

Table 31. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
CB	Lines Hand, Other Fishing Bottom	1,402,000	NA	3,250	0.10%	889,688	6	NA	44	31	41	11	41	21	21	11	21
CB	Lines Long, Reef Fish Bottom	NA	NA	2,099	0.10%	574,601	6	NA	4	31	41	11	41	21	21	11	21
CB	Lines Troll, Other Top Waters	482,000	NA	1,712	NA	489,860	6	NA	4	31	41	11	41	21	21	11	21
FL-W	Pots and Traps, Spiny Lobster	5,458,515	\$19,781,977	682,500	25.00%	54,054,000	12	2,047,500	2,056,116	31	31	11	11	21	21	11	21
FL-W	Pots and Traps, Crab/Blue	10,360,100	\$4,123,382	272,146	10.00%	74,499,968	12	326,575	729,277	41	31	11	11	21	21	11	11
CB	Pots and Traps, Fish	5,221,000	NA	11,710	40.00%	854,830	12	56,208	68,359	41	31	11	11	21	21	11	11
CB	Pots and Traps, Spiny Lobster	303,000	NA	1,795	40.00%	131,035	12	8,616	2,056,116	31	31	11	11	21	21	11	41
CB	Gill Nets, Other	582,000	NA	944	1.00%	258,420	12	113	113	31	31	11	21	21	11	11	21
CB	Trammel Nets	NA	NA	425	1.00%	116,344	12	51	70	31	31	11	21	21	11	11	21
FL-W	Pots and Traps, Spiny Lobster	349	\$1,170	NA	25.00%	NA	12	NA	2,056,116	41	31	11	21	21	21	11	21
FL-W	Gill Nets, Other	823,986	\$317,676	NA	1.00%	NA	12	NA	117	31	31	11	21	21	21	11	21
FL-W	Lines Troll, Other Top Waters	472,513	\$497,252	670	NA	183,413	6	NA	2	41	41	11	41	21	21	21	21
AL	Butterfly Net, GOM Shrimp	3,074	\$12,567	NA	0.10%	NA	0.25	NA	0	41	41	11	41	21	21	21	21
FL-W	Butterfly Net, GOM Shrimp	8,560	\$24,506	NA	0.10%	NA	0.25	NA	0	41	41	11	41	21	21	21	21
GA	Gill Nets, Drift, Runaround	3,661	\$12,183	NA	0.10%	NA	0.25	NA	0	31	11	11	21	21	21	21	21
MS	Cast Nets	520	\$177	1	0.01%	NA	NA	NA	0	41	11	41	21	21	21	21	21
AL	Gill Nets, Drift, Other	3,400	\$880	3	1.00%	NA	0.25	NA	0	31	31	11	21	21	21	21	21
LA	Haul Seines, Long	653,578	\$122,241	59	0.10%	NA	1	NA	0	41	41	11	21	21	21	21	21
FL-W	Purse Seines, Menhaden	16,923,864	\$1,577,839	NA	0.10%	NA	0.25	NA	0	41	41	11	21	21	21	21	21
LA	Brush Traps	82,117	\$150,099	32,185	NA	8,810,644	NA	NA	0	41	11	11	21	21	21	21	21
FL-W	Entangling Nets(Gill), Unspc.	1,077,150	\$474,600	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
GA	Entangling Nets(Gill), Unspc.	23,051	\$23,349	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
FL-W	Gill Nets, GI 4-7 Inch	55,302	\$105,076	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
FL-W	Gill Nets, Stake	39,303	\$9,350	NA	1.00%	NA	12	NA	0	31	31	11	21	21	21	21	21
FL-W	Lines Hand, Abacore	1,839	\$4,576	NA	NA	NA	6	NA	0	41	41	11	41	21	21	21	21
FL-W	Lines Power Troll, Other	2,605	\$1,208	NA	1.00%	NA	6	NA	0	41	41	11	41	21	21	21	21
GA	Lines Soag	1,015	\$1,808	NA	0.10%	NA	6	NA	0	41	41	11	41	21	21	21	21
CB	Lines Troll with Balis	24,000	NA	586	0.10%	160,418	6	NA	0	41	41	11	41	21	21	21	21
FL-W	Pots and Traps, Crab/Blue	4,613,792	\$21,742,915	NA	10.00%	NA	12	NA	0	41	41	11	41	21	21	21	21
FL-W	Roller Trawl, GOM Shrimp	291,831	\$627,364	NA	2.70%	NA	0.25	NA	0	41	41	11	41	21	21	21	21
CB	Snare	NA	NA	83	NA	NA	NA	NA	0	41	41	11	41	21	21	21	21
GA	Trawls, Unspecified	17,471	\$8,960	NA	2.70%	NA	0.25	NA	0	41	41	11	41	21	21	21	21
LA	Troll & Hand Lines, Cmb.	28,703	\$38,890	NA	0.10%	NA	6	NA	0	31	11	11	41	41	41	21	21
LA	Pots and Traps, Crab/Blue	52,332,727	\$20,308,918	279,169	10.00%	76,422,514	12	335,003	729,277	41	11	11	11	21	21	21	21
AL	Pots and Traps, Crab/Blue	2,314,546	\$930,784	43,482	10.00%	11,903,198	6	26,089	729,277	41	31	11	11	21	21	21	21
GA	Pots and Traps, Crab/Blue	6,159,238	\$1,847,852	19,175	10.00%	5,249,156	12	23,010	729,277	41	11	11	11	21	21	21	21
TX	Pots and Traps, Crab/Blue	11,687,700	\$4,872,314	11,000	10.00%	3,011,250	12	13,200	729,277	41	11	11	11	21	21	21	21
FL-W	Pots and Traps, Fish	777,107	\$1,113,175	6931	10.00%	1,897,361	12	8,317	68,359	41	31	11	21	21	21	21	21
MS	Pots and Traps, Crab/Blue	1,230,029	\$422,937	4500	10.00%	1,231,875	12	5,400	729,277	41	11	11	21	21	21	21	21
LA	Pots and Traps, Fish	486,038	\$223,306	2,920	10.00%	799,350	12	3,504	68,359	41	11	11	21	21	21	21	21
GA	Pots and Traps, Fish	57,219	\$43,430	275	10.00%	75,281	12	330	68,359	41	11	11	21	21	21	21	21
LA	Gill Nets, Other	8,922,040	\$5,907,699	890	1.00%	243,638	12	107	117	31	11	11	21	21	21	21	21
FL-W	Lines Hand, Other Fishing Bottom	14,351,913	\$17,947,570	5324	0.10%	1,457,445	6	32	44	31	31	11	41	21	21	21	21
FL-W	Other Trawl Bottom, Shrimp	11,330,335	\$36,822,565	3742	2.70%	6,146,235	0.25	25	240	41	41	11	41	41	41	21	21
LA	Trammel Nets	2,734,273	\$1,856,169	1,471	1.00%	40,241	12	18	70	31	11	11	21	21	21	21	21
CB	Pole and Line	NA	NA	263	1.00%	77,471	6	17	17	41	41	11	41	21	21	21	21
GA	Pots and Traps, Eel	102	\$128	10	10.00%	2,738	12	12	12	41	11	11	21	21	21	21	21
LA	Lines Hand, Other Fishing Bottom	2,852,137	\$4,466,618	1,662	0.10%	454,973	6	10	44	31	11	11	41	21	21	21	21
GA	Gill Nets, Other	35,498	\$23,307	61	1.00%	16,699	12	7	117	31	11	11	21	21	21	21	21
FL-W	Other Trawl Bottom, Shrimp	480,413	\$232,169	906	2.70%	1,488,105	0.25	6	240	41	41	11	41	41	41	21	21
LA	Lines Long Set with Hooks Top Waters	2,551,556	\$6,552,930	962	0.10%	263,348	6	6	11	31	31	11	41	21	21	21	21
LA	Lines Long Set with Hooks Top Waters	8,750,285	\$15,124,948	847	0.10%	231,866	6	5	11	31	11	11	41	21	21	21	21
AL	Gill Nets, Other	289,028	\$131,414	28	1.00%	7,665	12	3	117	31	31	11	41	21	21	21	21
FL-W	Lines Long, Reef Fish Bottom	7,091,715	\$10,841,922	534	0.10%	146,183	6	3	47	31	31	11	41	21	21	21	21
LA	Fyke and Hoop Nets, Fish	2,918,417	\$1,260,692	3,198	0.10%	875,453	0.5	2	2	41	11	11	21	21	21	21	21

Table 3J. Lost Gear Interaction Matrix for the Gulf of Mexico & Caribbean Region.

Primary Sort: Safety

Secondary Sort: Lost Gear Interaction Factor

STATE	GEAR NAME	1987 POUNDS	1987 DOLLARS	AVAILABLE FOR DEPLOYMENT	AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERVENTION PERIOD GEAR	MONTHS FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR				Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
LA	Lines Hand, Other Fishing Bottom	2,952,137	\$4,466,618	1,662	0.10%	454,973	6	10	44	31	11	11	41	21	21	21	21	21	21	21
GA	Gill Nets, Other	35,498	\$23,307	61	1.00%	16,699	12	7	117	31	11	11	21	11	11	21	21	21	21	21
GA	Otter Trawl Bottom, Shrimp	460,413	\$232,169	906	2.70%	1,488,105	0.25	6	240	41	41	41	41	41	41	21	21	21	21	21
FL-W	Lines Long Set w/Hooks Top Waters	8,551,556	\$8,552,930	962	0.10%	263,348	6	6	11	31	31	11	41	21	21	21	21	21	21	21
LA	Lines Long Set w/Hooks Top Waters	8,750,285	\$15,124,948	847	0.10%	231,666	6	5	11	31	11	11	41	21	21	21	21	21	21	21
AL	Gill Nets, Other	269,028	\$131,414	28	1.00%	7,665	12	3	117	31	31	11	21	11	11	21	21	21	21	21
FL-W	Lines Long, Reef Fish Bottom	7,091,715	\$10,841,922	534	0.10%	146,183	6	3	4	31	31	11	41	21	21	21	21	21	21	21
LA	Fyke and Hoop Nets, Fish	2,918,417	\$1,260,892	3,198	0.10%	875,453	0.5	2	2	41	11	11	21	21	21	21	21	21	21	21
LA	Lines Troll, Other Top Waters	554,051	\$479,855	258	0.10%	70,628	6	2	2	41	11	11	41	21	21	21	21	21	21	21
MS	Lines Hand, Other Fishing Bottom	886,484	\$1,240,143	143	0.10%	39,146	6	1	44	31	11	11	41	21	21	21	21	21	21	21
AL	Lines Hand, Other Fishing Bottom	296,870	\$404,974	125	0.10%	34,219	6	1	44	31	11	11	41	21	21	21	21	21	21	21
MS	Trammel Nets	21,622	\$21,452	6	1.00%	1,643	12	1	70	31	11	11	21	21	21	21	21	21	21	21
GA	Gill Nets, Drift, Shad	240,225	\$179,770	229	1.00%	62,689	0.25	1	1	31	11	11	21	21	21	21	21	21	21	21
MS	Gill Nets, Other	50,597	\$29,648	4	1.00%	1,095	12	0	117	31	11	11	21	21	21	21	21	21	21	21
AL	Trammel Nets	36,758	\$12,244	6	1.00%	1,643	6	0	70	31	31	11	21	11	11	21	21	21	21	21
FL-W	Trammel Nets	2,298,866	\$1,445,239	3	1.00%	821	12	0	70	31	31	11	21	21	21	21	21	21	21	21
GA	Lines Hand, Other Fishing Bottom	405,852	\$513,900	32	0.10%	8,760	6	0	44	31	11	11	41	21	21	21	21	21	21	21
TX	Lines Long Set w/Hooks Top Waters	1,480,983	\$4,391,625	65	0.10%	17,794	6	0	11	31	11	11	21	21	21	21	21	21	21	21
AL	Lines Long Set w/Hooks Top Waters	1,731,340	\$1,708,008	17	0.10%	4,654	6	0	11	31	31	11	41	21	21	21	21	21	21	21
MS	Lines Long Set w/Hooks Top Waters	135,730	\$33,932	9	0.10%	2,464	6	0	11	31	11	11	41	21	21	21	21	21	21	21
TX	Lines Long, Reef Fish Bottom	137,794	\$277,598	66	0.10%	18,068	6	0	4	31	11	11	21	21	21	21	21	21	21	21
LA	Lines Long, Reef Fish Bottom	1,009,094	\$1,529,478	68	0.10%	18,615	6	0	4	31	11	11	41	21	21	21	21	21	21	21
GA	Lines Long, Reef Fish Bottom	18,951	\$25,364	3	0.10%	821	6	0	4	31	11	11	41	21	21	21	21	21	21	21
AL	Lines Long, Reef Fish Bottom	51,078	\$73,675	2	0.10%	548	6	0	4	31	31	11	41	21	21	21	21	21	21	21
MS	Otter Trawl Bottom, Fish	130,931	\$35,801	69	2.70%	113,333	0.25	0	1	41	41	41	41	41	41	21	21	21	21	21
GA	Otter Trawl Bottom, Fish	16,079	\$17,260	4	2.70%	6,570	0.25	0	1	41	41	41	41	41	41	21	21	21	21	21
AL	Otter Trawl Bottom, Fish	Confidential	Confidential	2	2.70%	3,285	0.25	0	1	41	41	41	41	41	41	21	21	21	21	21
LA	Butterfly Net, GOM Shrimp	7,456,616	\$14,810,178	1,815	0.10%	496,856	0.25	0	0	41	41	41	41	21	21	21	21	21	21	21
FL-W	Gill Nets, Drift, Runaround	29,514,372	\$8,526,266	1,219	0.10%	333,701	0.25	0	0	31	31	11	21	21	21	21	21	21	21	21
LA	Gill Nets, Drift, Runaround	5,200,948	\$2,829,155	199	0.10%	54,476	0.25	0	0	31	11	11	21	21	21	21	21	21	21	21
MS	Gill Nets, Drift, Runaround	986,826	\$320,157	94	0.10%	128,663	0.25	0	0	31	11	11	21	21	21	21	21	21	21	21
AL	Gill Nets, Drift, Runaround	279,230	\$115,891	12	0.10%	3,285	0.25	0	0	31	11	11	21	21	21	21	21	21	21	21
GA	Otter Trawl Bottom, Crab	946,914	\$598,109	26	2.70%	42,705	0.25	0	0	41	41	41	41	41	41	21	21	21	21	21
MS	Chopsticks, GOM Shrimp	180,888	\$624,951	20	2.70%	32,850	0.25	0	0	41	41	41	41	41	41	21	21	21	21	21
FL-W	Cast Nets	725,065	\$208,965	225	0.01%	61,594	1	0	0	41	31	41	41	21	21	21	21	21	21	21
LA	Cast Nets	321,965	\$58,924	8	0.01%	2,190	1	0	0	41	11	41	41	21	21	21	21	21	21	21
GA	Cast Nets	490	\$239	2	0.01%	548	1	0	0	41	11	41	41	21	21	21	21	21	21	21
FL-W	Gill Nets, Drift, Other	1,415,144	\$823,584	18	1.00%	4,928	0.25	0	0	41	11	41	41	21	21	21	21	21	21	21
GA	Gill Nets, Drift, Other	1,820	\$3,582	14	1.00%	3,833	0.25	0	0	31	11	11	21	21	21	21	21	21	21	21
TX	Purse Seines, Menhaden	110,230,000	\$4,626,400	26	0.10%	42,705	0.25	0	0	41	41	41	41	41	41	21	21	21	21	21
LA	Purse Seines, Menhaden	1,590,667,087	\$54,683,524	63	0.10%	103,478	0.25	0	0	41	41	41	41	41	41	41	41	41	41	41
MS	Purse Seines, Menhaden	380,788,520	\$14,521,325	20	0.10%	32,850	0.25	0	0	41	41	41	41	41	41	41	41	41	41	41
AL	Purse Seines, Menhaden	Confidential	Confidential	2	0.10%	3,285	0.25	0	0	41	41	41	41	41	41	41	41	41	41	41
LA	Purse Seines, Other	10,220,256	\$412,433	38	0.10%	82,415	0.25	0	0	41	41	41	41	41	41	41	41	41	41	41
FL-W	Purse Seines, Other	5,069,702	\$716,083	23	0.10%	37,778	0.25	0	0	41	41	41	41	41	41	41	41	41	41	41
MS	Purse Seines, Other	2,414,818	\$567,775	5	0.10%	6,213	0.25	0	0	41	41	41	41	41	41	41	41	41	41	41
FL-W	Haul Seines, Beach	6,581,162	\$1,254,577	72	0.01%	19,710	0.25	0	0	41	41	41	41	41	41	41	41	41	41	41
FL-W	Encircling Nets(Purse)	4,611,219	\$540,514	4	0.10%	1,095	0.25	0	0	41	41	41	41	41	41	41	41	41	41	41
AL	Spears	13,298	\$16,280	41	0.01%	11,224	0	0	0	41	41	41	41	41	41	41	41	41	41	41
CB	Spears	415,000	NA	385	0.10%	89,919	0	0	0	41	41	41	41	41	41	41	41	41	41	41
FL-W	Spears	102,109	\$80,813	116	0.01%	31,755	0	0	0	41	41	41	41	41	41	41	41	41	41	41
GA	Spears	1,001	\$1,458	NA	0.01%	NA	0	0	0	41	41	41	41	41	41	41	41	41	41	41
MS	Spears	2,510	\$2,765	12	0.01%	3,285	0	0	0	41	41	41	41	41	41	41	41	41	41	41

Table 4A. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Regional Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
AK	Pots, King & Tanner Crab	144,671,480	\$203,338,997	175,000	10.00%	23,625,000	12	210,000	210,000	21	41	41	11	21	11	11
AK	Pots and Traps, Crab/Dungeness	9,349,206	\$11,219,047	11,250	18.00%	843,750	12	24,300	41,742	21	31	41	11	21	11	11
CA	Pots and Traps, Crab/Dungeness	8,467,493	\$11,173,017	45,850	18.00%	705,824	1	8,253	41,742	41	41	41	11	11	11	21
CR	Pots and Traps, Crab/Dungeness	9,415,596	\$11,237,613	27,630	18.00%	784,933	1	4,977	41,742	41	41	41	11	21	11	20
WV	Pots and Traps, Crab/Dungeness	7,463,000	\$10,039,730	23,400	18.00%	621,917	1	4,212	41,742	41	41	41	10	21	10	21
CA	Pots and Traps, Lobster Inshore	448,544	\$2,122,220	52,500	10.00%	1,050,000	1	21,000	21,000	41	41	41	11	11	11	21
AK	Pots, Other	39,492	\$39,492	3,000	18.00%	547,500	12	6,480	6,480	21	31	41	21	21	41	11
AK	Longline, Halibut	55,340,000	\$60,900,000	5,192	20.00%	25,960	6	6,230	6,230	21	31	41	41	21	21	41
CA	Pots and Traps, Fish	1,054,614	\$557,079	2,000	11.00%	78,000	1	860	2,093	41	41	41	11	11	11	21
CR	Pots and Traps, Fish	2,684,427	\$1,291,650	2,000	11.00%	164,000	1	660	2,093	41	41	41	11	11	11	21
WV	Pots and Traps, Fish	1,442,290	\$977,550	4,293	18.00%	120,191	1	773	2,093	41	41	41	10	20	11	21
AK	Longline, Groundfish	225,204,720	\$123,862,596	1,433	20.00%	392,284	6	1,720	1,720	21	41	41	41	21	21	41
CA	Gill Nets, California Halibut	698,459	\$1,487,500	NA	1.00%	31,043	1	931	931	20	31	41	11	11	11	11
AK	Gill Nets, Set	77,069,265	\$99,406,609	2,180	1.00%	163,500	12	262	262	21	31	41	21	21	21	21
CA	Pole and Line	13,186,295	\$5,586,086	5,832	20.00%	670,680	0.10	117	117	41	31	41	41	41	41	11
CR	Lines Power Troll, Tuna	3,806,199	\$3,192,399	1,476	5.00%	66,420	0.10	7	22	41	41	41	41	41	41	41
WV	Lines Power Troll, Tuna	1,167,000	\$939,000	1,476	5.00%	66,420	0.10	7	22	41	41	41	41	41	41	41
CA	Lines Power Troll, Tuna	45,155	\$33,676	1,476	5.00%	66,420	0.10	7	22	41	41	41	41	41	41	41
CA	Gill Nets, Herring	13,198,100	\$4,263,400	12	NA	NA	NA	NA	NA	21	31	41	11	11	11	21
AK	Gill Nets, Herring	25,767,409	\$12,364,935	175	1.00%	3,938	12	21	21	21	31	41	41	21	21	21
CR	Lines, Set w/Hooks, Bottom	2,607,030	\$1,836,989	15	20.00%	750	0.50	15	17	41	41	41	21	21	41	41
WV	Lines, Set w/Hooks, Bottom	8,978,400	\$13,758,000	152	20.00%	7,600	0.50	15	17	41	41	41	21	21	41	41
AK	Lines Power Troll, Salmon	11,085,236	\$15,851,487	942	0.10%	127,170	6	0	14	21	31	41	41	21	21	41
WV	Lines Power Troll, Salmon	1,844,000	\$3,126,901	240	1.00%	10,800	0.10	0	14	41	41	41	41	41	41	41
CA	Lines Power Troll, Salmon	9,301,292	\$25,577,937	4,818	1.00%	216,810	0.10	5	14	41	41	41	41	41	41	41
CR	Lines Power Troll, Salmon	9,088,774	\$19,481,269	3,378	1.00%	152,010	0.10	3	14	41	41	41	41	41	41	41
AK	Troll, Hand	2,132,221	\$2,904,308	1,931	0.10%	260,685	6	12	12	21	31	41	41	21	21	41
CA	Other Trawl Midwater	347,230,800	NA	33	1.00%	1,004	0.10	4	3,600	41	41	41	41	41	41	41
WV	Other Trawl Bottom, Fish	71,751,310	\$23,124,190	81	5.00%	39,952	0.10	0	3	21	41	41	41	41	41	21
CR	Other Trawl Bottom, Fish	53,682,094	\$18,173,751	94	5.00%	46,248	0.10	0	3	21	41	41	41	41	41	21
AK	Other Trawl Bottom, Fish	3,107,240,194	\$621,446,039	197	5.00%	345,144	0.25	2	3	21	41	41	41	21	21	41
CA	Other Trawl Bottom, Fish	61,852,603	\$20,483,228	175	5.00%	55,723	0.10	1	3	21	41	41	41	41	41	41
CR	Lines Power Troll, Other	151,362	\$53,934	624	5.00%	37,440	0.10	3	3	41	41	41	41	41	41	41
CA	Gill Nets, Drift, Salmon	7,904,694	\$16,561,226	73	0.10%	1,825	1	0	0	21	31	41	41	21	21	41
WV	Gill Nets, Drift, Salmon	34,354,000	\$50,733,539	566	0.10%	11,320	3	2	2	21	30	41	10	20	11	21
CR	Crab Ring	43,202	\$64,952	190	5.00%	1,400	0.10	1	1	41	41	41	41	41	41	41
CR	Other Trawl Bottom, Shrimp	43,368,731	\$17,611,951	76	2.00%	13,984	0.10	0	0	21	41	41	41	41	41	41
WV	Other Trawl Bottom, Shrimp	16,334,000	\$10,837,000	20	2.00%	13,984	0.10	0	0	21	41	41	41	41	41	21
CA	Other Trawl Bottom, Shrimp	8,378,139	\$6,302,538	96	2.00%	2,703	0.10	0	0	21	41	41	41	41	41	21
AK	Other Trawl Bottom, Shrimp	91,917	\$36,767	6	2.00%	9,855	0.25	0	0	41	41	41	41	41	41	41
AK	Beach Seine, Herring	626,494	\$313,247	21	0.01%	473	0.25	0	0	41	41	41	41	41	41	41
AK	Beach Seine, Salmon	583,425	\$225,396	33	0.01%	2,475	0.25	0	0	41	41	41	41	41	41	41
AK	Beam Trawl, Shrimp	1,745,854	\$3,714,705	19	NA	NA	0.25	NA	NA	0	41	41	41	41	41	41
WV	Dip Nets, Common	1,870,000	\$219,000	24	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
WV	Diving Outfits, Other	4,827,000	\$3,899,000	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Diving Outfits, Urchin	46,061,700	\$12,080,000	115	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CR	Diving Outfits, Urchin	1,970,706	\$570,573	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
AK	Dredges, Other	583,043	\$2,186,411	5	NA	NA	0	0	0	41	41	41	41	41	41	41
CR	Dredges, Scallop, Sea	29,170	\$11,994	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
WV	Dredges, Scallop, Sea	39,000	\$52,000	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Gill Nets, Drift Swordfish	2,152,756	\$7,656,879	10	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Gill Nets, Drift, Other	471,334	\$704,435	10	NA	NA	NA	NA	NA	0	21	31	41	11	11	21
AK	Gill Nets, Drift, Other	187,650,887	\$267,239,960	3,468	0.01%	260,100	0.25	0	0	21	31	41	11	11	11	21
WV	Gill Nets, Drift, Shad	34,000	\$6,000	9	NA	NA	NA	NA	NA	0	41	31	41	21	21	41
CR	Gill Nets, Salmon	1,745,432	\$3,687,808	NA	NA	NA	NA	NA	NA	0	41	31	41	21	21	41
CA	Gill Nets, Sea Bass	13,862,032	\$5,469,017	290	NA	NA	NA	NA	NA	0	20	31	41	11	11	11

Table 4A. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Regional Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
WV	Gill Nets, Sturgeon	462,000	\$594,000	9	NA	NA	NA	NA	0	0	41	31	41	11	21	41
CA	Harpnors, Swordfish	324,123	\$1,458,130	58	NA	NA	NA	NA	0	0	41	41	41	41	41	41
CA	Hooks, Abalone	762,958	\$2,461,034	21	NA	NA	NA	NA	0	0	41	41	41	41	41	41
CA	Lampara & Ring Nets, Mackerel	104,229,700	\$4,651,464	29	NA	NA	NA	NA	0	0	41	41	41	41	41	41
CR	Lampara & Ring Nets, Sardine	354,876	\$233,225	NA	NA	NA	NA	NA	0	0	41	41	41	41	21	41
WV	Lampara & Ring Nets, Sardine	307,000	\$111,000	12	NA	NA	NA	NA	0	0	41	41	41	41	41	41
CA	Lampara & Ring Nets, Squid	34,526,600	\$3,029,060	29	NA	NA	NA	NA	0	0	41	41	41	41	41	41
WV	Lampara & Ring Nets, Squid	9,000	\$4,000	12	NA	NA	NA	NA	0	0	41	41	41	41	41	41
CR	Lines Hand, Abalone	151,937	\$127,435	NA	NA	NA	NA	NA	0	0	41	41	41	41	41	41
CA	Lines, Set w/Hooks Top Waters	560	\$676	1	NA	NA	NA	NA	0	0	41	41	41	41	41	41
CA	Lines, Reef Fish Bottom Waters	20,016	\$16,076	171	NA	NA	NA	NA	0	0	41	31	41	21	21	21
CR	Lines with Hooks, Other	632,654	\$199,352	NA	NA	NA	NA	NA	0	0	41	41	41	21	41	21
CA	Pots and Traps, Shrimp	36,073	\$197,939	NA	NA	NA	NA	NA	0	0	41	41	41	21	41	41
AK	Pots, Other Crab	22,899	\$34,349	7	NA	NA	NA	NA	0	0	41	41	41	11	21	21
AK	Pots, Shrimp	592,346	\$1,727,961	50	NA	NA	NA	NA	0	0	21	31	41	21	21	41
AK	Pound Net, Other	122,412	\$1,836,180	111	NA	NA	0.25	NA	0	0	31	41	41	21	21	41
AK	Purse Seines, Herring	75,536,779	\$32,904,271	264	NA	5,940	NA	NA	0	0	41	41	41	21	21	41
WV	Purse Seines, Herring	1,191,000	\$687,000	NA	NA	NA	NA	NA	0	0	41	41	41	21	21	41
CA	Purse Seines, Herring	4,611,890	\$1,227,340	46	1.00%	1,840	0.10	0	0	0	41	41	41	41	41	41
CA	Purse Seines, Mackerel	50	\$34	46	NA	NA	NA	NA	0	0	41	41	41	41	41	41
AK	Purse Seines, Salmon	208,996,168	\$115,152,766	1,350	0.01%	101,250	0.25	0	0	0	41	41	41	21	21	41
WV	Purse Seines, Salmon	19,833,000	\$23,686,156	274	0.00%	4,932	0.10	0	0	0	41	41	41	41	41	41
CA	Purse Seines, Sardine	13,850,097	\$1,749,605	46	1.00%	5,540	0.10	0	0	0	41	41	41	41	41	41
CA	Purse Seines, Tuna	55,959,614	\$4,506,218	88	NA	NA	NA	NA	0	0	41	41	41	41	41	41
WV	Reef Nets	492,000	\$732,939	45	0.00%	1,125	0.10	0	0	0	41	31	41	41	41	41
CR	Shovels	40,455	\$89,797	NA	NA	NA	NA	NA	0	0	41	41	41	41	41	41
CR	Water Pump, Sand Shrimp	109,784	\$154,927	NA	NA	NA	NA	NA	0	0	41	41	41	41	41	41

Table 4B. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR/LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
CA	Gill Nets, Herring	13,198,100	\$4,263,400	12	NA	NA	NA	NA	21	21	31	41	11	11	11	21
AK	Beam Trawl, Shrimp	1,745,854	\$3,714,705	19	NA	NA	0.25	NA	NA	0	41	41	41	41	41	41
WV	Dip Nets, Common	1,870,000	\$219,000	24	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
WV	Diving Outfits, Other	4,827,000	\$3,899,000	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Diving Outfits, Urchin	46,061,700	\$12,080,000	115	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
GR	Diving Outfits, Urchin	1,970,706	\$570,573	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
GR	Dredges, Scallop, Sea	29,170	\$11,994	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
WV	Dredges, Scallop, Sea	39,000	\$52,000	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Gill Nets, Drift, Other	2,152,756	\$7,656,879	10	NA	NA	NA	NA	NA	0	21	31	11	11	11	21
CA	Gill Nets, Drift, Other	471,334	\$704,435	10	NA	NA	NA	NA	NA	0	21	31	11	11	11	21
WV	Gill Nets, Drift, Shad	34,000	\$6,000	9	NA	NA	NA	NA	NA	0	41	31	11	11	11	21
GR	Gill Nets, Salmon	1,745,432	\$3,687,808	NA	NA	NA	NA	NA	NA	0	41	31	11	11	11	21
CA	Gill Nets, Sea Bass	13,882,032	\$5,469,017	290	NA	NA	NA	NA	NA	0	20	31	11	11	11	21
WV	Gill Nets, Sturgeon	462,000	\$594,000	9	NA	NA	NA	NA	NA	0	41	31	11	11	11	21
CA	Harpoots, Swordfish	324,123	\$1,458,130	58	NA	NA	NA	NA	NA	0	41	31	11	11	11	21
CA	Hooks, Abalone	762,958	\$2,461,034	21	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Lampara & Ring Nets, Mackerel	104,229,700	\$4,651,484	29	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
GR	Lampara & Ring Nets, Sardin	354,676	\$233,225	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
WV	Lampara & Ring Nets, Sardin	307,000	\$111,000	12	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Lampara & Ring Nets, Squid	34,526,600	\$3,029,060	29	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
WV	Lampara & Ring Nets, Squid	9,000	\$4,000	12	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
GR	Lines Hand, Abacore	151,937	\$127,435	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Lines, Set w/Hooks Top Waters	580	\$676	1	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Lines, Reef Fish Bottom Waters	20,016	\$16,076	171	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
GR	Lines with Hooks, Other	632,654	\$199,352	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	21
CA	Pots and Traps, Shrimp	36,073	\$197,938	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
AK	Pots, Shrimp	22,899	\$34,349	7	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
AK	Pots, Shrimp	592,346	\$1,727,961	50	NA	NA	NA	NA	NA	0	21	31	41	41	21	21
AK	Pound Net, Other	122,412	\$1,836,180	111	NA	NA	0.25	NA	NA	0	31	41	41	41	21	41
WV	Purse Seines, Herring	75,536,779	\$32,904,271	264	NA	5,940	NA	NA	NA	0	41	41	41	41	21	41
WV	Purse Seines, Herring	1,191,000	\$687,000	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Purse Seines, Mackerel	50	\$34	46	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
CA	Purse Seines, Tuna	55,959,614	\$4,506,218	88	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
GR	Shovels	40,455	\$89,797	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
GR	Water Pump, Sand Shrimp	109,784	\$154,927	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
AK	Pots, King & Tanner Crab	144,671,480	\$203,338,997	175,000	10.00%	23,625,000	12	210,000	210,000	21	41	41	11	21	11	41
AK	Pots and Traps, Crab, Dungeness	9,349,206	\$11,219,047	11,250	18.00%	843,750	12	24,300	41,742	21	31	41	11	21	11	41
CA	Pots and Traps, Lobster Inshore	446,544	\$2,122,220	52,500	10.00%	1,050,000	1	21,000	21,000	41	41	41	11	11	11	21
CA	Pots and Traps, Crab, Dungeness	8,467,493	\$11,173,017	45,850	18.00%	705,624	1	8,253	41,742	41	41	41	11	11	11	21
AK	Pots, Other	39,492	\$39,492	3,000	18.00%	547,500	12	6,480	6,480	21	31	41	41	21	21	41
AK	Longline, Halibut	55,340,000	\$60,900,000	5,192	20.00%	25,960	6	6,230	6,230	21	31	41	41	21	21	41
GR	Pots and Traps, Crab, Dungeness	9,415,596	\$11,237,613	27,650	18.00%	784,633	1	4,972	41,742	41	41	41	11	21	11	20
WV	Pots and Traps, Crab, Dungeness	7,463,000	\$10,039,730	23,400	18.00%	621,917	1	4,212	41,742	41	41	41	10	21	10	21
WV	Longline, Groundfish	225,204,720	\$123,862,596	1,433	20.00%	392,284	6	1,720	1,720	21	41	41	41	21	41	41
CA	Gill Nets, California Halibut	696,459	\$1,487,500	NA	1.00%	31,043	1	931	931	20	31	41	11	11	11	11
WV	Pots and Traps, Fish	1,442,290	\$977,550	4,293	18.00%	120,191	1	773	2,093	41	41	41	10	20	11	21
CA	Pots and Traps, Fish	1,054,614	\$557,079	2,000	11.00%	78,000	1	660	2,093	41	41	41	11	11	11	21
GR	Pots and Traps, Fish	2,684,427	\$1,291,660	2,000	11.00%	164,000	1	660	2,093	41	41	41	11	11	11	21
GR	Gill Nets, Set	77,069,265	\$99,406,609	2,180	1.00%	183,500	12	262	262	21	31	41	21	21	21	21
CA	Pole and Line	13,186,295	\$5,586,086	5,332	20.00%	670,680	0.10	117	117	41	31	41	41	41	11	21
WV	Gill Nets, Herring	25,767,409	\$12,364,835	175	1.00%	3,938	12	21	21	21	31	41	41	41	11	21
WV	Lines, Set w/Hooks, Bottom	8,978,400	\$13,758,000	152	20.00%	7,600	0.50	15	15	17	41	41	21	21	21	21
AK	Troll, Hand	2,132,221	\$2,904,308	1,931	0.10%	250,685	6	12	12	21	31	41	41	41	21	41
WV	Lines Power Troll, Tuna	3,806,199	\$3,192,399	1,476	5.00%	66,420	0.10	7	7	22	41	41	41	41	41	41
WV	Lines Power Troll, Tuna	1,167,000	\$839,000	1,476	5.00%	66,420	0.10	7	7	22	41	41	41	41	41	41
CA	Lines Power Troll, Tuna	45,155	\$33,676	1,476	5.00%	66,420	0.10	7	7	22	41	41	41	41	41	41

Table 4B. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEARLOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
AK	Lines Power Troll, Salmon	11,085,236	\$15,951,487	942	0.10%	127,170	6	6	14	21	31	41	41	21	21	41
CA	Lines Power Troll, Salmon	9,301,292	\$25,577,937	4,818	1.00%	216,810	0.10	5	5	41	41	41	41	41	41	41
CA	Other Trawl Midwater	347,230,800	NA	33	1.00%	3,600	0.10	4	4	21	41	41	41	41	41	41
CR	Lines Power Troll, Salmon	9,088,774	\$19,481,289	3,378	1.00%	152,010	0.10	3	14	41	41	41	41	41	41	21
CA	Lines Power Troll, Other	151,362	\$53,934	624	5.00%	37,440	0.10	3	3	41	41	41	41	41	41	41
AK	Other Trawl Bottom, Fish	3,107,240,194	\$621,448,039	197	5.00%	345,144	0.25	2	3	21	41	41	41	21	21	41
WV	Gill Nets, Drift, Salmon	34,354,000	\$50,733,539	566	0.10%	11,320	3	2	2	21	30	41	10	20	11	21
CR	Lines, Set w/Hooks, Bottom	2,607,030	\$1,836,989	15	20.00%	750	0.50	2	17	41	41	41	21	21	41	41
CR	Crab Ring	43,202	\$64,952	190	5.00%	11,400	0.10	1	1	41	41	41	41	41	41	41
CA	Other Trawl Bottom, Fish	61,852,603	\$20,483,228	175	5.00%	55,723	0.10	3	3	21	41	41	41	41	41	21
CA	Other Trawl Bottom, Shrimp	8,378,139	\$6,302,538	98	2.00%	2,703	0.10	0	0	21	41	41	41	41	41	11
WV	Lines Power Troll, Salmon	1,844,000	\$3,126,901	240	1.00%	10,800	0.10	0	14	41	41	41	41	41	41	41
WV	Other Trawl Bottom, Fish	71,751,310	\$23,124,190	81	5.00%	39,852	0.10	3	3	21	41	41	41	41	41	41
CR	Other Trawl Bottom, Fish	53,662,094	\$18,173,751	94	5.00%	46,248	0.10	0	0	21	41	41	41	41	21	21
CR	Gill Nets, Drift, Salmon	7,904,694	\$16,561,226	73	0.10%	1,825	1	0	2	21	31	41	21	21	20	21
CR	Other Trawl Bottom, Shrimp	43,366,731	\$17,611,951	76	2.00%	13,984	0.10	0	0	21	41	41	41	41	21	21
WV	Other Trawl Bottom, Shrimp	16,334,000	\$10,837,000	20	2.00%	13,984	0.10	0	0	21	41	41	41	41	41	21
AK	Other Trawl Bottom, Shrimp	91,917	\$36,767	6	2.00%	9,655	0.25	0	0	41	41	41	41	41	41	41
AK	Beach Seine, Herring	626,494	\$13,247	21	0.01%	473	0.25	0	0	41	41	41	41	41	41	41
AK	Beach Seine, Salmon	583,425	\$225,396	33	0.01%	2,475	0.25	0	0	41	41	41	41	41	41	41
AK	Dredges, Other	583,043	\$2,186,411	5	NA	NA	0	0	0	41	41	41	41	41	41	41
AK	Gill Nets, Drift, Other	187,650,887	\$267,239,960	3,468	0.01%	260,100	0.25	0	0	21	31	41	21	21	21	41
CA	Purse Seines, Herring	4,611,890	\$1,227,340	46	1.00%	1,840	0.10	0	0	41	41	41	41	41	41	41
AK	Purse Seines, Salmon	208,996,168	\$115,152,786	1,350	0.01%	101,250	0.25	0	0	41	41	41	41	21	21	41
WV	Purse Seines, Salmon	18,833,000	\$23,688,156	274	0.00%	4,932	0.10	0	0	41	41	41	41	41	41	41
CA	Purse Seines, Sardine	13,850,097	\$1,749,605	46	1.00%	5,540	0.10	0	0	41	41	41	41	41	41	41
WV	Reef Nets	492,000	\$732,939	45	0.00%	1,125	0.10	0	0	41	31	41	41	41	41	41

Table 4C. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Mammals

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
CA	Gill Nets, Sea Bass	13,862,032	\$5,469,017	290	NA	NA	NA	NA	931	0	20	31	41	11	11	11
CA	Gill Nets, California Halibut	696,459	\$1,487,500	NA	1.00%	31,043	1	NA	931	931	20	31	41	11	11	11
CA	Gill Nets, Herring	13,198,100	\$4,263,400	12	NA	NA	NA	NA	NA	21	21	31	41	11	11	11
CA	Gill Nets, Drift Swordfish	2,152,756	\$7,656,879	10	NA	NA	NA	NA	NA	0	21	31	41	11	11	11
CA	Gill Nets, Drift, Other	471,334	\$704,435	10	NA	NA	NA	NA	NA	0	21	31	41	11	11	11
AK	Pots, Other Crab	22,899	\$34,349	7	NA	NA	NA	NA	NA	0	21	31	41	21	21	41
AK	Pots, Shrimp	592,346	\$1,727,961	50	NA	NA	NA	NA	NA	0	21	31	41	21	21	41
AK	Pots, King & Tanner Crab	144,671,480	\$203,338,997	175,000	10.00%	23,625,000	12	210,000	210,000	210,000	21	41	41	11	11	11
AK	Pots and Traps, Crab, Dungeness	9,349,206	\$11,219,047	11,250	18.00%	843,750	12	24,300	41,742	41,742	21	31	41	11	11	11
AK	Pots, Other	39,492	\$39,492	3,000	18.00%	547,500	12	6,480	6,480	6,480	21	31	41	21	21	41
AK	Longline, Halibut	55,340,000	\$60,900,000	5,192	20.00%	25,960	6	6,230	6,230	6,230	21	31	41	21	21	41
AK	Longline, Groundfish	225,204,720	\$123,862,596	1,433	20.00%	392,284	6	1,720	1,720	1,720	21	41	41	21	21	41
AK	Gill Nets, Set	77,069,265	\$98,406,809	2,180	1.00%	163,500	12	262	262	262	21	31	41	21	21	21
AK	Gill Nets, Herring	25,767,409	\$12,364,835	1,775	1.00%	3,938	12	21	21	21	21	31	41	21	21	21
AK	Trawl, Hand	2,132,721	\$2,804,308	1,931	0.10%	260,885	6	12	12	12	21	31	41	21	21	21
AK	Lines Power Trawl, Salmon	11,085,236	\$15,851,487	942	0.10%	127,170	6	6	6	6	21	31	41	21	21	41
CA	Other Trawl Midwater	347,230,800	NA	33	1.00%	3,800	0.10	4	4	4	21	41	41	21	21	41
CA	Other Trawl Bottom, Fish	3,107,240,194	\$821,448,039	197	5.00%	345,144	0.25	2	2	2	41	41	41	21	21	11
WV	Gill Nets, Drift, Salmon	34,354,000	\$50,733,539	566	0.10%	11,320	3	3	3	3	21	41	41	21	21	11
CA	Other Trawl Bottom, Fish	61,852,603	\$20,483,228	175	5.00%	55,723	0.10	1	1	1	21	30	41	10	20	11
CA	Other Trawl Bottom, Shrimp	8,378,139	\$6,302,538	96	2.00%	2,703	0.10	0	0	0	21	41	41	41	41	11
WV	Other Trawl Bottom, Fish	71,751,310	\$23,124,190	81	5.00%	39,852	0.10	0	0	0	21	41	41	41	41	11
CR	Other Trawl Bottom, Fish	53,662,084	\$18,173,751	94	5.00%	46,248	0.10	0	0	0	21	41	41	41	41	21
CR	Gill Nets, Drift, Salmon	7,904,694	\$18,561,226	73	0.10%	1,825	1	0	0	0	21	41	41	41	21	20
CR	Other Trawl Bottom, Shrimp	43,366,731	\$17,811,951	76	2.00%	13,984	0.10	0	0	0	21	31	41	21	21	41
WV	Other Trawl Bottom, Shrimp	16,334,000	\$10,837,900	20	2.00%	13,984	0.10	0	0	0	21	41	41	41	21	20
AK	Gill Nets, Drift, Other	187,650,887	\$267,239,860	3,468	0.01%	260,100	0.25	0	0	0	21	41	41	41	41	21
AK	Pound Net, Other	122,412	\$1,836,180	111	NA	NA	0.25	NA	NA	0	31	41	41	21	21	41

Table 4D. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Birds

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	DEPLOYMENT	PERCENT LOST PER YEAR	PER YEAR DEPLOYED	PER LOST GEAR	INTERACTION FACTOR (MONTHS/YEAR)	INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
AK	Gill Nets, Drift, Salmon	34,354,000	\$50,733,539	566	0.10%	11,320	3	2	2	21	30	41	10	20	11	21	11
AK	Gill Nets, Herring	13,198,100	\$4,263,400	12	NA	NA	NA	NA	NA	21	21	31	41	11	11	11	21
CA	Gill Nets, Drift, Swordfish	2,152,756	\$7,656,879	10	NA	NA	NA	NA	NA	0	21	31	41	11	11	21	21
OR	Gill Nets, Drift, Other	471,334	\$704,435	10	NA	NA	NA	NA	NA	0	21	31	41	11	11	11	21
WV	Gill Nets, Drift, Shad	34,000	\$8,000	9	NA	NA	NA	NA	NA	0	41	31	41	11	21	21	41
CA	Gill Nets, Salmon	1,745,432	\$3,687,808	NA	NA	NA	NA	NA	NA	0	41	31	41	21	21	21	41
AK	Gill Nets, Sea Bass	13,862,032	\$5,469,017	290	NA	NA	NA	NA	NA	0	20	31	41	11	11	11	11
AK	Gill Nets, Surgeon	462,000	\$594,000	9	NA	NA	NA	NA	NA	0	41	31	41	11	11	11	11
CA	Lines, Set w/Hooks Top Waters	580	\$676	1	NA	NA	NA	NA	NA	0	41	31	41	21	21	21	41
OR	Pots, Other Crab	22,899	\$34,349	7	NA	NA	NA	NA	NA	0	21	31	41	21	21	41	11
WV	Pots, Shrimp	592,346	\$1,727,961	50	NA	NA	NA	NA	NA	0	21	31	41	21	21	41	11
AK	Pots and Traps, Crab,Dungeness	9,349,206	\$11,219,047	11,250	18.00%	843,750	12	24,300	41,742	21	31	41	11	21	21	41	11
CA	Pots, Other	39,492	\$39,492	3,000	18.00%	547,500	12	6,480	6,480	21	31	41	11	21	21	41	11
AK	Longline, Halibut	55,340,000	\$60,900,000	5,192	20.00%	25,960	6	6,230	6,230	21	31	41	41	21	21	41	11
CA	Gill Nets, California Halibut	696,459	\$1,487,500	NA	1.00%	31,043	1	931	931	20	31	41	11	11	11	11	11
OR	Gill Nets, Set	77,069,265	\$99,406,608	2,180	1.00%	183,500	12	262	262	21	31	41	21	21	21	21	21
WV	Pole and Line	13,186,295	\$5,586,086	5,832	20.00%	670,680	0.10	117	117	41	31	41	41	41	41	41	21
CA	Gill Nets, Herring	25,767,409	\$12,364,835	175	1.00%	3,938	12	21	21	21	31	41	41	21	21	21	21
CA	Troll, Hand	2,132,221	\$2,904,308	1,931	0.10%	260,685	6	12	12	21	31	41	41	21	21	41	41
AK	Lines Power Troll, Salmon	11,085,236	\$15,851,487	942	0.10%	127,170	6	6	6	14	21	31	41	21	21	41	41
OR	Gill Nets, Drift, Salmon	7,904,694	\$16,561,226	73	0.10%	1,825	1	0	0	2	21	31	41	21	21	20	41
WV	Gill Nets, Drift, Other	187,650,887	\$267,239,960	3,468	0.01%	260,100	0.25	0	0	0	21	31	41	21	21	21	41
AK	Reel Nets	492,000	\$732,939	45	0.00%	1,125	0.10	0	0	0	41	31	41	41	41	41	41

Table 4E. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Reptiles

Secondary Sort: Lost Gear Interaction Factor

NO REPTILE/LOST GEAR EFFECTS DOCUMENTED OR PRESUMED IN THE WEST COAST/ALASKA REGION.

Table 4F. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Target
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR/LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
WV	Pots and Traps, Crab, Dungeness	7,463,000	\$10,039,730	23,400	18.00%	821,917	1	4,212	41,742	41	41	41	10	21	10	21
WV	Pots and Traps, Fish	1,442,290	\$977,550	4,293	18.00%	120,191	1	773	2,093	41	41	41	10	20	11	21
WV	Gill Nets, Drift, Salmon	34,354,000	\$50,733,539	566	0.10%	11,320	3	2	2	21	30	41	10	20	11	21
CA	Gill Nets, Herring	13,198,100	\$4,263,400	12	NA	NA	NA	NA	NA	21	31	41	11	11	11	21
CA	Gill Nets, Drift, Swordfish	2,152,756	\$7,658,879	10	NA	NA	NA	NA	NA	0	21	31	11	11	11	21
CA	Gill Nets, Drift, Other	471,334	\$704,435	10	NA	NA	NA	NA	NA	0	21	31	11	11	11	21
WV	Gill Nets, Drift, Shad	34,000	\$8,000	9	NA	NA	NA	NA	NA	0	21	31	11	11	11	21
CA	Gill Nets, Sea Bass	13,862,032	\$5,469,017	290	NA	NA	NA	NA	NA	0	20	31	11	21	11	21
WV	Gill Nets, Sturgeon	482,000	\$594,000	9	NA	NA	NA	NA	NA	0	41	31	11	11	11	11
CA	Pots and Traps, Shrimp	36,073	\$197,939	NA	NA	NA	NA	NA	NA	0	41	31	11	21	11	21
AK	Pots, King & Tanner Crab	144,671,480	\$203,338,997	175,000	10.00%	23,625,000	12	210,000	210,000	21	41	41	11	21	11	21
AK	Pots and Traps, Crab, Dungeness	9,349,206	\$11,219,047	11,250	18.00%	843,750	12	24,300	41,742	21	31	41	11	21	11	41
CA	Pots and Traps, Lobster Inshore	446,544	\$2,122,220	52,500	10.00%	1,050,000	1	21,000	21,000	41	41	41	11	11	11	21
CA	Pots and Traps, Crab, Dungeness	8,467,493	\$11,173,017	45,850	18.00%	705,624	1	8,253	41,742	41	41	41	11	11	11	21
OR	Pots and Traps, Crab, Dungeness	9,415,596	\$11,237,613	27,650	18.00%	784,639	1	4,977	41,742	41	41	41	11	21	11	21
CA	Gill Nets, California Halibut	696,459	\$1,487,500	NA	1.00%	31,043	1	931	931	20	31	41	11	11	11	11
CA	Pots and Traps, Fish	1,054,614	\$557,079	2,000	11.00%	78,000	1	660	2,093	41	41	41	11	11	11	21
OR	Pots and Traps, Fish	2,684,427	\$1,291,660	2,000	11.00%	164,000	1	660	2,093	41	41	41	11	11	11	21
OR	Gill Nets, Salmon	1,745,432	\$3,687,808	NA	NA	NA	NA	NA	NA	0	41	31	21	21	21	41
CA	Lines, Set w/Hooks Top Waters	580	\$676	1	NA	NA	NA	NA	NA	0	41	31	21	21	21	41
CA	Lines, Reef Fish Bottom Waters	20,016	\$16,076	171	NA	NA	NA	NA	NA	0	41	31	21	21	21	41
OR	Lines with Hooks, Other	632,654	\$199,352	NA	NA	NA	NA	NA	NA	0	41	41	21	21	41	21
AK	Gill Nets, Set	77,069,265	\$99,406,609	2,180	1.00%	163,500	12	262	262	21	31	41	21	21	21	21
WV	Lines, Set w/Hooks, Bottom	8,978,400	\$13,758,000	152	20.00%	7,600	0.50	15	17	41	41	41	21	21	21	41
OR	Lines, Set w/Hooks, Bottom	2,607,030	\$1,838,989	15	20.00%	750	0.50	2	17	41	41	41	21	21	21	41
OR	Gill Nets, Drift, Salmon	7,904,694	\$16,561,226	73	0.10%	1,825	1	0	2	21	31	41	21	21	21	41
AK	Gill Nets, Drift, Other	187,650,887	\$267,239,960	3,468	0.01%	260,100	0.25	0	0	21	31	41	21	21	21	41

Table 4G. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Bycatch
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
CA	Gill Nets, Herring	13,198,100	\$4,263,400	12	NA	NA	NA	NA	NA	21	31	41	11	11	11	21
CA	Gill Nets, Drift Swordfish	2,152,756	\$7,655,879	10	NA	NA	NA	NA	NA	0	21	31	11	11	11	21
CA	Gill Nets, Drift, Other	471,334	\$704,435	10	NA	NA	NA	NA	NA	0	21	31	11	11	11	21
CA	Gill Nets, Sea Bass	13,862,032	\$5,469,017	290	NA	NA	NA	NA	NA	0	20	31	11	11	11	21
CA	Pots and Traps, Shrimp	36,073	\$197,939	NA	NA	NA	NA	NA	NA	0	41	41	11	11	21	21
CA	Pots and Traps, Lobster Inshore	446,544	\$2,122,220	52,500	10.00%	1,050,000	1	21,000	21,000	41	41	41	11	11	11	21
CA	Pots and Traps, Crab/Dungeness	8,467,493	\$1,173,017	45,850	18.00%	705,824	1	8,253	41,742	41	41	41	11	11	11	21
CA	Gill Nets, California Halibut	696,459	\$1,487,500	NA	1.00%	31,043	1	931	931	20	31	41	11	11	11	21
CA	Pots and Traps, Fish	1,054,614	\$557,079	2,000	11.00%	78,000	1	660	2,093	41	41	41	11	11	21	21
CA	Pots and Traps, Fish	2,684,427	\$1,291,660	2,000	11.00%	164,000	1	680	2,093	41	41	41	11	11	21	21
WV	Pots and Traps, Fish	1,442,280	\$977,550	4,293	18.00%	120,191	1	773	2,093	41	41	41	10	20	11	21
WV	Gill Nets, Drift, Salmon	34,354,000	\$50,733,539	566	0.10%	11,320	3	2	2	21	30	41	10	20	11	21
WV	Gill Nets, Drift, Shad	34,000	\$6,000	9	NA	NA	NA	NA	NA	0	41	31	11	21	11	21
WV	Gill Nets, Salmon	1,745,432	\$3,687,808	NA	NA	NA	NA	NA	NA	0	41	31	11	21	21	41
WV	Gill Nets, Surgeon	462,000	\$594,000	9	NA	NA	NA	NA	NA	0	41	31	11	21	21	41
CA	Lines, Set w/Hooks Top Waters	580	\$678	1	NA	NA	NA	NA	NA	0	41	31	11	21	11	21
CA	Lines, Reef Fish Bottom Waters	20,016	\$16,076	171	NA	NA	NA	NA	NA	0	41	31	11	21	11	21
AK	Pots, Other Crab	22,899	\$34,349	7	NA	NA	NA	NA	NA	0	41	41	21	21	41	21
AK	Pots, Shrimp	592,346	\$1,727,861	50	NA	NA	NA	NA	NA	0	21	31	41	21	21	41
AK	Pound Net, Other	122,412	\$1,836,180	111	NA	NA	NA	NA	NA	0	31	41	41	21	21	41
AK	Purse Seines, Herring	75,536,779	\$32,904,271	284	NA	5,940	NA	NA	NA	0	41	41	41	21	21	41
AK	Pots, King & Tanner Crab	144,671,480	\$203,338,997	175,000	10.00%	23,625,000	12	210,000	210,000	21	41	41	11	21	11	41
AK	Pots and Traps, Crab/Dungeness	9,349,206	\$11,213,047	11,250	18.00%	843,750	12	24,300	41,742	21	31	41	11	21	11	41
AK	Pots, Other	39,492	\$39,492	3,000	18.00%	547,500	12	6,480	6,480	21	31	41	41	21	21	41
AK	Longline, Halibut	55,340,000	\$60,900,000	5,192	20.00%	25,960	6	6,230	6,230	21	31	41	41	21	21	41
CR	Pots and Traps, Crab/Dungeness	9,415,596	\$11,237,613	27,650	18.00%	784,833	1	4,977	41,742	41	41	41	11	21	11	20
WV	Pots and Traps, Crab/Dungeness	7,463,000	\$10,039,730	23,400	18.00%	621,917	1	4,212	41,742	41	41	41	10	21	10	21
AK	Longline, Groundfish	225,204,720	\$123,862,596	1,433	20.00%	392,284	6	1,720	1,720	21	41	41	41	21	21	41
AK	Gill Nets, Set	77,069,265	\$99,406,609	2,180	1.00%	163,500	12	262	262	21	31	41	21	21	21	21
AK	Gill Nets, Herring	25,767,409	\$12,364,835	175	1.00%	3,938	12	21	21	21	31	41	41	21	21	21
WV	Lines, Set w/Hooks, Bottom	8,978,400	\$13,759,000	152	20.00%	7,600	0.50	15	17	41	41	41	21	21	21	41
AK	Troll, Hand	2,132,221	\$2,904,308	1,931	0.10%	260,885	6	12	12	21	31	41	41	21	21	41
AK	Lines Power Troll, Salmon	11,085,236	\$15,851,487	942	0.10%	127,170	6	6	6	21	31	41	41	21	21	41
AK	Other Trawl Bottom, Fish	3,107,240,194	\$621,448,039	197	5.00%	345,144	0.25	2	3	21	41	41	41	21	21	41
CR	Lines, Set w/Hooks, Bottom	2,607,030	\$1,836,989	15	20.00%	750	0.50	2	17	41	41	41	21	21	21	41
CR	Gill Nets, Drift, Salmon	7,904,694	\$16,561,226	73	0.10%	1,825	1	0	0	21	31	41	21	21	21	41
AK	Gill Nets, Drift, Other	187,650,887	\$267,239,960	3,468	0.01%	260,100	0.25	0	0	21	31	41	21	21	21	41
AK	Purse Seines, Salmon	208,996,168	\$115,152,786	1,350	0.01%	101,250	0.25	0	0	41	41	41	41	21	21	41

Table 4H. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Eon

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEARLOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Eon	Aesthetic Safety
WV	Pots and Traps, Crab, Dungeness	7,463,000	\$10,039,730	23,400	18.00%	621,817	1	4,212	41,742	41	41	41	10	21	10	21
CA	Gill Nets, Herring	13,198,100	\$4,263,400	12	NA	NA	NA	NA	21	21	31	41	11	11	11	21
CA	Gill Nets, Drift, Swordfish	2,152,756	\$7,656,879	10	NA	NA	NA	NA	0	21	31	41	11	11	11	21
CA	Gill Nets, Drift, Other	471,334	\$704,435	10	NA	NA	NA	NA	0	21	31	41	11	11	11	21
WV	Gill Nets, Drift, Shad	34,000	\$6,000	9	NA	NA	NA	NA	0	41	31	41	11	21	11	41
CA	Gill Nets, Sea Bass	13,862,032	\$5,469,017	290	NA	NA	NA	NA	0	20	31	41	11	11	11	11
WV	Gill Nets, Surgeon	462,000	\$594,000	9	NA	NA	NA	NA	0	41	31	41	11	21	11	41
AK	Pots, King & Tanner Crab	144,671,480	\$203,338,997	175,000	10.00%	23,625,000	12	210,000	210,000	21	41	41	11	21	11	41
AK	Pots and Traps, Crab, Dungeness	9,349,206	\$11,219,047	11,250	18.00%	843,750	12	24,300	41,742	21	31	41	11	21	11	41
CA	Pots and Traps, Lobster Inshore	446,544	\$2,123,220	52,500	10.00%	1,050,000	1	21,000	21,000	41	41	41	11	11	11	21
CA	Pots and Traps, Crab, Dungeness	8,467,493	\$11,173,017	45,850	18.00%	705,824	1	8,253	41,742	41	41	41	11	11	11	21
OR	Pots and Traps, Crab, Dungeness	9,415,586	\$11,237,613	27,650	18.00%	784,933	1	4,977	41,742	41	41	41	11	21	11	20
CA	Gill Nets, California Halibut	696,459	\$1,487,500	NA	1.00%	31,043	1	931	931	20	31	41	11	11	11	11
WV	Pots and Traps, Fish	1,442,280	\$977,550	4,293	18.00%	120,191	1	773	2,093	41	41	41	10	20	11	21
OR	Pots and Traps, Fish	2,684,427	\$1,291,660	2,000	11.00%	164,000	1	660	2,093	41	41	41	11	11	11	41
WV	Gill Nets, Drift, Salmon	34,354,000	\$50,733,539	566	0.10%	11,320	3	2	2	21	30	41	10	20	11	21
OR	Gill Nets, Salmon	1,745,432	\$3,687,808	NA	NA	NA	NA	NA	0	41	31	41	21	21	21	41
OR	Lampara & Ring Nets, Sardine	354,676	\$233,225	NA	NA	NA	NA	NA	0	41	31	41	21	21	21	41
CA	Pots and Traps, Shrimp	36,073	\$197,939	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
AK	Pots, Other Crab	22,899	\$34,349	7	NA	NA	NA	NA	0	21	31	41	41	41	41	41
AK	Pots, Shrimp	592,346	\$1,727,961	50	NA	NA	NA	NA	0	21	31	41	41	41	41	41
AK	Pound Net, Other	122,412	\$1,836,180	111	NA	NA	0.25	NA	0	31	41	41	41	41	41	41
AK	Purse Seines, Herring	75,536,779	\$32,904,271	264	NA	5,940	NA	NA	0	41	41	41	41	41	41	41
AK	Pots, Other	39,492	\$39,492	3,000	18.00%	547,500	12	6,480	6,480	21	31	41	41	41	41	41
AK	Longline, Halibut	55,340,000	\$60,800,000	5,192	20.00%	25,960	6	6,230	6,230	21	31	41	41	41	41	41
AK	Longline, Groundfish	225,204,720	\$123,862,596	1,433	20.00%	392,284	6	1,720	1,720	21	41	41	41	41	41	41
CA	Pots and Traps, Fish	1,054,614	\$557,079	2,000	11.00%	78,000	1	660	2,093	41	41	41	11	11	21	21
AK	Gill Nets, Set	77,089,265	\$98,408,609	2,180	1.00%	163,500	12	282	282	21	31	41	21	21	21	21
AK	Gill Nets, Herring	25,767,409	\$12,364,835	175	1.00%	3,938	12	21	21	21	31	41	41	41	41	41
WV	Lines, Set w/Hooks, Bottom	8,978,400	\$13,758,000	152	20.00%	7,600	0.50	15	17	41	41	41	21	21	21	21
AK	Trawl, Hand	2,132,221	\$2,904,308	1,931	0.10%	260,685	6	12	12	21	31	41	41	41	41	41
AK	Lines Power Trawl, Salmon	11,085,236	\$15,851,487	942	0.10%	127,170	6	6	14	21	31	41	41	41	41	41
AK	Otter Trawl Bottom, Fish	3,107,240,194	\$621,448,039	197	5.00%	345,144	0.25	2	3	21	41	41	41	41	41	41
OR	Otter Trawl Bottom, Fish	53,662,094	\$18,173,751	94	5.00%	46,248	0.10	0	0	21	41	41	41	41	41	41
OR	Gill Nets, Drift, Salmon	7,904,694	\$16,561,226	73	0.10%	1,825	1	0	0	21	31	41	41	41	41	41
OR	Otter Trawl Bottom, Shrimp	43,366,731	\$17,611,951	76	2.00%	13,884	0.10	0	0	21	41	41	41	41	41	41
AK	Gill Nets, Drift, Other	187,650,887	\$267,239,960	3,468	0.01%	260,100	0.25	0	0	21	31	41	41	41	41	41
AK	Purse Seines, Salmon	208,996,168	\$115,152,786	1,350	0.01%	101,250	0.25	0	0	41	41	41	41	41	41	41

Table 41. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Aesthetic Secondary Sort: Lost Gear Interaction Factor		Lost Gear Interaction Factor													
STATE	GEARNAME	1987 ROUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEARLOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ Aesthetic Safety
CA	Gill Nets, Herring	13,198,100	\$4,263,400	12	NA	NA	NA	NA	21	21	31	41	11	11	21
CA	Gill Nets, Drift, Other	471,334	\$704,435	10	NA	NA	NA	NA	0	21	31	41	11	11	21
CA	Gill Nets, Sea Bass	13,862,032	\$5,469,017	290	NA	NA	NA	NA	0	20	31	41	11	11	21
CA	Gill Nets, California Halibut	696,459	\$1,487,500	NA	1.00%	31,043	1	931	931	20	31	41	11	11	21
CA	Pots and Line	13,186,295	\$5,586,086	5,832	20.00%	670,880	0.10	117	117	41	31	41	41	41	21
CA	Otter Trawl Midwater	347,230,800	NA	33	1.00%	3,600	0.10	4	3,600	41	21	41	41	41	21
CA	Otter Trawl Bottom, Fish	61,852,803	\$20,483,228	175	5.00%	55,723	0.10	1	3	21	41	41	41	41	21
CA	Otter Trawl Bottom, Shrimp	8,378,139	\$6,302,538	96	2.00%	2,703	0.10	0	0	21	41	41	41	41	21
OR	Pots and Traps, Crab/Dungeness	9,415,596	\$11,237,813	27,650	18.00%	784,633	1	4,977	41,742	41	41	41	11	21	21
OR	Otter Trawl Bottom, Fish	53,662,094	\$18,173,751	94	5.00%	46,248	0.10	0	0	31	41	41	41	41	21
OR	Gill Nets, Drift, Salmon	7,904,694	\$16,561,226	73	0.10%	1,825	1	0	2	21	31	41	21	21	20
OR	Otter Trawl Bottom, Shrimp	43,366,731	\$17,611,951	76	2.00%	13,984	0.10	0	0	21	41	41	41	41	21
CA	Gill Nets, Drift, Swordfish	2,152,756	\$7,656,879	10	NA	NA	NA	NA	0	21	31	41	11	11	21
WV	Gill Nets, Drift, Shad	34,000	\$6,000	9	NA	NA	NA	NA	0	41	31	41	11	21	21
OR	Gill Nets, Salmon	1,745,432	\$3,687,808	NA	NA	NA	NA	NA	0	41	31	41	21	21	41
WV	Gill Nets, Sturgeon	462,000	\$594,000	9	NA	NA	NA	NA	0	41	31	41	21	21	41
CA	Lines, Set w/Hooks Top Waters	580	\$676	1	NA	NA	NA	NA	0	41	31	41	21	21	41
CA	Lines, Reef Fish Bottom Waters	20,016	\$16,076	171	NA	NA	NA	NA	0	41	41	41	21	21	21
CA	Pots and Traps, Shrimp	36,073	\$197,939	NA	NA	NA	NA	NA	0	41	41	41	21	21	21
CA	Pots and Traps, Lobster Inshore	446,544	\$2,122,220	52,500	10.00%	1,050,000	1	21,000	21,000	41	41	41	11	11	21
CA	Pots and Traps, Crab/Dungeness	8,467,493	\$11,173,017	45,850	18.00%	705,824	1	8,253	41,742	41	41	41	11	11	21
WV	Pots and Traps, Crab/Dungeness	7,463,000	\$10,039,730	23,400	18.00%	621,917	1	4,212	41,742	41	41	41	10	21	21
WV	Pots and Traps, Fish	1,442,290	\$977,550	4,293	18.00%	120,191	1	773	2,093	41	41	41	10	20	21
CA	Pots and Traps, Fish	1,054,614	\$557,079	2,000	11.00%	78,000	1	660	2,093	41	41	41	11	21	21
AK	Gill Nets, Set	77,069,265	\$99,406,609	2,180	1.00%	163,500	12	262	262	21	31	41	21	21	21
AK	Gill Nets, Herring	25,767,409	\$12,364,935	175	1.00%	3,938	12	21	21	21	31	41	41	21	21
WV	Gill Nets, Drift, Salmon	34,354,000	\$50,733,539	566	0.10%	11,320	3	2	2	21	30	41	10	20	11
WV	Otter Trawl Bottom, Fish	71,751,310	\$23,124,190	81	5.00%	39,852	0.10	0	3	21	41	41	41	41	21
WV	Otter Trawl Bottom, Shrimp	16,334,000	\$10,837,000	20	2.00%	13,984	0.10	0	0	21	41	41	41	41	21
AK	Gill Nets, Drift, Other	187,650,887	\$267,239,960	3,468	0.01%	260,100	0.25	0	0	21	31	41	21	21	41

Table 4J. Lost Gear Interaction Matrix for the West Coast & Alaska Region.

Primary Sort: Safety
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEARLOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
CA	Gill Nets, Sea Bass	13,862,032	\$5,469,017	290	NA	NA	NA	NA	0	20	31	41	11	11	11	11
AK	Pots, Other Crab	22,899	\$34,349	7	NA	NA	NA	NA	0	21	31	41	41	21	21	41
AK	Pots, Shrimp	592,346	\$1,727,981	50	NA	NA	NA	NA	0	21	31	41	41	21	21	41
AK	Pots, King & Tanner Crab	144,671,480	\$203,339,997	175,000	10.00%	23,625,000	12	210,000	210,000	21	41	41	11	21	11	41
AK	Pots and Traps, Crab/Dungeness	9,349,206	\$11,219,047	11,250	18.00%	843,750	12	24,300	41,742	21	31	41	11	21	11	41
AK	Pots, Other	39,492	\$39,492	3,000	18.00%	547,500	12	6,480	6,480	21	31	41	41	21	21	41
CA	Gill Nets, California Halibut	696,459	\$1,487,500	NA	1.00%	31,043	1	931	931	20	31	41	11	11	11	11
AK	Other Trawl Bottom, Fish	3,107,240,194	\$621,448,039	197	5.00%	345,144	0.25	2	2	21	41	41	41	21	21	41
WV	Gill Nets, Drift, Salmon	34,354,000	\$50,733,539	566	0.10%	11,320	3	2	2	21	30	41	10	20	11	21
CA	Gill Nets, Herring	13,198,100	\$4,263,400	12	NA	NA	NA	NA	21	21	31	41	11	11	11	21
CA	Gill Nets, Drift, Swordfish	2,152,756	\$7,656,879	10	NA	NA	NA	NA	0	21	31	41	11	11	11	21
CA	Gill Nets, Drift, Other	471,334	\$704,435	10	NA	NA	NA	NA	0	21	31	41	11	11	11	21
CA	Lines, Set w/Hooks Top Waters	580	\$676	1	NA	NA	NA	NA	0	41	31	41	21	21	41	21
CA	Lines, Reef Fish Bottom Waters	20,016	\$16,076	171	NA	NA	NA	NA	0	41	41	41	21	21	41	21
CA	Pots and Traps, Shrimp	36,073	\$197,839	NA	NA	NA	NA	NA	0	41	41	41	11	11	21	21
CA	Pots and Traps, Lobster Inshore	446,544	\$2,122,220	52,500	10.00%	1,050,000	1	21,000	21,000	41	41	41	11	11	11	21
CA	Pots and Traps, Crab/Dungeness	8,467,493	\$11,173,017	45,850	18.00%	705,624	1	8,253	41,742	41	41	41	11	11	11	21
OR	Pots and Traps, Crab/Dungeness	9,415,596	\$11,237,613	27,650	18.00%	784,633	1	4,977	41,742	41	41	41	11	11	11	20
WV	Pots and Traps, Crab/Dungeness	7,463,000	\$10,039,730	23,400	18.00%	621,917	1	4,212	41,742	41	41	41	10	21	10	21
WV	Pots and Traps, Fish	1,442,290	\$977,550	4,293	18.00%	120,191	1	773	2,093	41	41	41	10	20	11	21
CA	Pots and Traps, Fish	1,054,614	\$557,079	2,000	11.00%	78,000	1	660	2,093	41	41	41	11	11	21	21
OR	Pots and Traps, Fish	2,684,427	\$1,291,660	2,000	11.00%	164,000	1	660	2,093	41	41	41	11	11	11	41
AK	Gill Nets, Set	77,069,265	\$99,408,609	2,180	1.00%	163,500	12	262	262	21	31	41	21	21	21	21
CA	Pole and Line	13,186,295	\$5,586,086	5,832	20.00%	670,680	0.10	117	117	41	31	41	41	41	41	11
CA	Gill Nets, Herring	25,767,409	\$12,364,935	175	1.00%	3,938	12	21	21	21	31	41	41	21	21	21
CA	Other Trawl Midwater	347,230,800	NA	33	1.00%	3,600	0.10	4	4	21	41	41	41	41	41	11
CA	Other Trawl Bottom, Fish	61,852,603	\$20,483,228	175	5.00%	55,723	0.10	1	1	21	41	41	41	41	41	11
CA	Other Trawl Bottom, Shrimp	8,378,139	\$6,302,538	96	2.00%	2,703	0.10	0	0	21	41	41	41	41	41	11
WV	Other Trawl Bottom, Fish	71,751,310	\$23,124,190	81	5.00%	39,852	0.10	0	0	31	41	41	41	41	41	21
OR	Other Trawl Bottom, Fish	53,662,094	\$18,173,751	94	5.00%	46,248	0.10	0	0	31	41	41	41	41	21	20
OR	Other Trawl Bottom, Shrimp	43,366,731	\$17,611,951	76	2.00%	13,984	0.10	0	0	21	41	41	41	41	21	20
WV	Other Trawl Bottom, Shrimp	16,334,000	\$10,937,000	20	2.00%	13,984	0.10	0	0	21	41	41	41	41	41	21

Table 5A. Lost Gear Interaction Matrix for Hawaii & the Western Pacific

Primary Sort: Regional Interaction Factor

STATE	1987 FOUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
HI	969,007	\$3,988,000	10,000	10.00%	804,723	3	3,000	3,000	41	31	31	21	21	31	31
HI	994,139	\$3,167,594	NA	NA	NA	NA	NA	2,437	10	11	31	41	41	41	41
GM	8,902	\$17,113	4,764	50.00%	26,260	1	2,382	2,437	41	31	31	21	41	41	41
AS	142,582	\$121,863	68	50.00%	168	1	34	2,437	41	31	31	21	41	41	41
NR	39,286	\$70,759	43	50.00%	237	1	22	2,437	41	31	31	21	41	41	41
HI	7,123,077	\$10,024,463	NA	NA	NA	NA	NA	51	41	31	41	41	41	41	41
GM	198,627	\$288,963	1,188	35.00%	21,371	0.10	42	51	41	31	31	41	41	41	41
NR	174,484	\$209,700	180	35.00%	3,237	0.10	6	51	41	31	31	41	41	41	41
AS	204,921	\$219,523	102	35.00%	2,092	0.10	4	51	41	31	31	41	41	41	41
NR	6,275	\$9,339	NA	NA	NA	NA	NA	8	31	31	31	31	41	41	41
GM	82	\$100	NA	0.10%	6,847	1	7	8	31	31	31	31	41	41	41
AS	32,770	\$52,788	68	0.10%	1,059	1	1	8	41	41	41	41	41	41	41
NR	4	\$8	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	900	\$1,300	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	463,155	\$889,800	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	90,850	\$116,734	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
AS	29,545	\$44,836	68	0.10%	366	3	0	0	41	41	41	41	41	41	41
GM	11,802	\$22,908	NA	0.00%	1,259	3	0	0	41	41	41	41	41	41	41
NR	86,674	\$148,558	43	0.10%	237	3	0	0	41	41	41	41	41	41	41
HI	42,805	\$45,474	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
NR	24	\$58	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	40,502	\$72,822	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
NR	822	\$1,411	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
GM	9,235	\$10,146	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	94	\$141	NA	0.00%	5,518	0	0	0	41	41	41	41	41	41	41
HI	46	\$300	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	18	\$24	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	279,406	\$437,394	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	24,112	\$28,802	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	1,672,933	\$2,801,527	NA	NA	NA	NA	NA	NA	0	11	11	41	41	41	41
HI	1,232	\$1,385	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	19,885	\$23,057	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	7,366	\$26,468	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41
HI	3,810	\$4,828	NA	NA	NA	NA	NA	NA	0	41	41	41	41	41	41

Table 5B. Lost Gear Interaction Matrix for Hawaii & the Western Pacific

Primary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
HI	Lines Hand, Rockfish	994,139	\$3,167,594	NA	NA	NA	NA	NA	2,437	10	11	31	41	41	41	41
HI	Lines Hand, Tuna/Jacks	7,123,077	\$10,024,463	NA	NA	NA	NA	NA	51	41	31	31	41	41	41	41
NR	Combined Gears	6,275	\$9,339	NA	NA	NA	NA	NA	8	31	31	31	31	31	41	41
NR	Pots and Traps, Shrimp	4	\$8	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
HI	Pots and Traps, Shrimp	900	\$1,300	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
HI	Reef Nets	463,155	\$869,890	NA	NA	NA	NA	NA	0	41	31	31	21	21	41	21
HI	Spears	90,850	\$116,734	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	21
HI	Bag Nets	42,805	\$45,474	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
NR	By Hand, Other	24	\$58	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
HI	By Hand, Other	40,502	\$72,822	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
NR	Cast Nets	822	\$1,411	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
HI	Cast Nets	9,235	\$10,146	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
HI	Dip Nets, Common	46	\$300	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
HI	Encircling Nets(Purse)	18	\$24	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
HI	Lift Nets	279,406	\$437,394	NA	NA	NA	NA	NA	0	11	11	41	41	41	41	41
HI	Lines Long Set w/Hooks Top Waters	24,112	\$28,802	NA	NA	NA	NA	NA	0	41	11	41	41	41	41	41
HI	Lines Power Troll, Tuna	1,672,933	\$2,801,527	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
HI	Other Gear, Hawaii	1,232	\$1,385	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	41
HI	Pole and Line	19,885	\$23,057	NA	NA	NA	NA	NA	0	41	11	31	41	41	41	41
HI	Pots and Traps, Crab, Other	7,366	\$26,468	NA	NA	NA	NA	NA	0	41	41	41	21	21	41	41
HI	Pots and Traps, Fish	3,810	\$4,828	NA	NA	NA	NA	NA	0	41	41	41	21	21	41	41
HI	Pots and Traps, Lobster	969,007	\$3,988,000	10,000	10.00%	804,723	3	3,000	3,000	41	31	31	21	21	31	31
GM	Lines Hand, Rockfish	8,902	\$17,113	4,764	50.00%	25,260	1	2,382	2,437	41	31	31	21	21	41	41
GM	Lines Hand, Tuna/Jacks	198,627	\$288,953	1,188	35.00%	21,371	0.10	42	51	41	31	31	41	41	41	41
AS	Lines Hand, Rockfish	142,582	\$121,863	68	50.00%	168	1	34	2,437	41	31	31	21	21	41	41
NR	Lines Hand, Rockfish	39,286	\$70,759	43	50.00%	237	1	22	2,437	41	31	31	21	21	41	41
GM	Combined Gears	62	\$100	NA	0.10%	6,847	1	7	8	31	31	31	31	31	41	41
NR	Lines Hand, Tuna/Jacks	174,484	\$209,700	180	35.00%	3,237	0.10	6	51	41	31	31	41	41	41	41
AS	Lines Hand, Tuna/Jacks	204,921	\$219,523	102	35.00%	2,092	0.10	4	51	41	31	31	41	41	41	41
AS	Combined Gears	32,770	\$52,788	68	0.10%	1,059	1	1	8	41	41	41	41	41	41	41
AS	Spears	29,545	\$44,836	68	0.10%	366	3	0	0	41	41	41	41	41	41	41
GM	Spears	11,802	\$22,908	NA	0.00%	1,259	3	0	0	41	41	41	41	41	41	41
NR	Cast Nets	86,674	\$148,558	43	0.10%	237	3	0	0	41	41	41	41	41	41	41
GM	Cast Nets	94	\$141	NA	0.00%	5,518	0	0	0	41	41	41	41	41	41	41

Table 5C: Lost Gear Interaction Matrix for Hawaii & the Western Pacific

Primary Sort: Mammals
Secondary Sort: Lost Gear Interaction Factor

STATE	GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
HI	Lines Hand, Rockfish	994,139	\$3,167,594	NA	NA	NA	NA	NA	2,437	10	11	31	41	41	41	41
HI	Lines Long Set w/Hooks Top Waters	24,112	\$28,802	NA	NA	NA	NA	NA	0	11	11	41	41	41	41	41
NM	Combined Gears	6,275	\$9,339	NA	NA	NA	NA	NA	8	31	31	31	31	31	41	41
GM	Combined Gears	82	\$100	NA	0.10%	6,847	1	7	8	31	31	31	31	31	41	41

Table 5D. Lost Gear Interaction Matrix for Hawaii & the Western Pacific

Primary Sort: Birds

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEARLOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
HI	Lines Hand, Rockfish	994,139	\$3,167,594	NA	NA	NA	NA	NA	2,437	10	11	31	41	41	41	41
HI	Lines Long Set w/Hooks Top Waters	24,112	\$28,802	NA	NA	NA	NA	NA	0	0	11	41	41	41	41	41
HI	Lines Power Troll, Tuna	1,672,933	\$2,801,527	NA	NA	NA	NA	NA	0	0	11	41	41	41	41	41
HI	Pole and Line	19,885	\$23,057	NA	NA	NA	NA	NA	0	0	11	31	41	41	41	41
HI	Lines Hand, Tuna/Jacks	7,123,077	\$10,024,463	NA	NA	NA	NA	NA	51	41	31	41	41	41	41	41
NM	Combined Gears	6,275	\$9,339	NA	NA	NA	NA	NA	8	31	31	31	31	31	41	41
HI	Reel Nets	463,155	\$869,890	NA	NA	NA	NA	NA	0	0	41	31	21	21	21	21
HI	Pots and Traps, Lobster	969,007	\$3,988,000	10,000	10.00%	804,723	3	3,000	3,000	41	31	31	21	21	31	31
GM	Lines Hand, Rockfish	8,902	\$17,113	4,764	50.00%	26,260	1	2,382	2,437	41	31	31	21	41	41	41
GM	Lines Hand, Tuna/Jacks	198,827	\$289,963	1,188	35.00%	21,371	0.10	42	51	41	31	31	41	41	41	41
AS	Lines Hand, Rockfish	142,582	\$121,863	68	50.00%	168	1	34	2,437	41	31	31	21	41	41	41
NM	Lines Hand, Rockfish	39,286	\$70,759	43	50.00%	237	1	22	2,437	41	31	31	21	41	41	41
GM	Combined Gears	82	\$100	NA	0.10%	6,847	1	7	8	31	31	31	31	31	41	41
NM	Lines Hand, Tuna/Jacks	174,484	\$209,700	180	35.00%	3,237	0.10	6	51	41	31	31	41	41	41	41
AS	Lines Hand, Tuna/Jacks	204,921	\$219,523	102	35.00%	2,092	0.10	4	51	41	31	31	41	41	41	41

Table 5E. Lost Gear Interaction Matrix for Hawaii & the Western Pacific

Primary Sort: Reptiles
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
HI	Lines Hand, Rockfish	994,139	\$3,167,594	NA	NA	NA	NA	NA	2,437	10	11	31	41	41	41	41
NH	Combined Gears	6,275	\$9,339	NA	NA	NA	NA	NA	8	31	31	31	31	31	41	41
HI	Reel Nets	463,155	\$869,890	NA	NA	NA	NA	NA	0	41	31	31	21	21	41	21
HI	Pole and Line	19,885	\$23,057	NA	NA	NA	NA	NA	0	41	11	31	41	41	41	41
HI	Pots and Traps, Lobster	969,007	\$3,988,000	10,000	10.00%	804,723	3	3,000	3,000	41	31	31	21	21	31	31
GM	Lines Hand, Rockfish	8,902	\$17,113	4,784	50.00%	28,280	1	2,382	2,437	41	31	31	21	41	41	41
GM	Lines Hand, Tuna/Jacks	198,627	\$288,963	1,188	35.00%	21,371	0.10	42	51	41	31	31	41	41	41	41
AS	Lines Hand, Rockfish	142,582	\$121,863	68	50.00%	168	1	34	2,437	41	31	31	21	41	41	41
NH	Lines Hand, Rockfish	39,286	\$70,759	43	50.00%	237	1	22	2,437	41	31	31	21	41	41	41
GM	Combined Gears	82	\$100	NA	0.10%	6,847	1	7	8	31	31	31	31	31	41	41
NH	Lines Hand, Tuna/Jacks	174,484	\$209,700	180	35.00%	3,237	0.10	6	51	41	31	31	41	41	41	41
AS	Lines Hand, Tuna/Jacks	204,921	\$219,523	102	35.00%	2,092	0.10	4	51	41	31	31	41	41	41	41

Table 5F. Lost Gear Interaction Matrix for Hawaii & the Western Pacific

Primary Sort: Target
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
HI	Pots and Traps, Shrimp	900	\$1,300	NA	NA	NA	NA	NA	0	41	41	41	21	21	41	41
HI	Reef Nets	453,155	\$869,890	NA	NA	NA	NA	NA	0	41	31	31	21	21	41	21
HI	Pots and Traps, Crab, Other	7,366	\$26,468	NA	NA	NA	NA	NA	0	41	41	41	21	21	41	21
HI	Pots and Traps, Fish	3,810	\$4,828	NA	NA	NA	NA	NA	0	41	41	41	21	21	41	41
HI	Pots and Traps, Lobster	969,007	\$3,988,000	10,000	10.00%	804,723	3	3,000	3,000	41	31	31	21	21	31	31
GM	Lines Hand, Rockfish	8,902	\$17,113	4,764	50.00%	28,260	1	2,382	2,437	41	31	31	21	41	41	41
AS	Lines Hand, Rockfish	142,582	\$121,863	68	50.00%	168	1	34	2,437	41	31	31	21	41	41	41
NMR	Lines Hand, Rockfish	39,286	\$70,759	43	50.00%	237	1	22	2,437	41	31	31	21	41	41	41
NMR	Combined Gears	6,275	\$9,339	NA	NA	NA	NA	NA	8	31	31	31	31	31	41	41
GM	Combined Gears	82	\$100	NA	0.10%	6,847	1	7	8	31	31	31	31	31	41	41

Table 5G. Lost Gear Interaction Matrix for Hawaii & the Western Pacific

Primary Sort: Bycatch

Secondary Sort: Lost Gear Interaction Factor

STATE	GEAR NAME	1987 ROUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR							
									Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
HI	Pots and Traps, Shrimp	900	\$1,300	NA	NA	NA	NA	NA	0	41	41	21	21	41	21	41
HI	Reef Nets	463,155	\$869,890	NA	NA	NA	NA	NA	0	41	31	21	21	41	21	21
HI	Pots and Traps, Crab, Other	7,366	\$26,468	NA	NA	NA	NA	NA	0	41	41	21	21	41	21	41
HI	Pots and Traps, Fish	3,810	\$4,828	NA	NA	NA	NA	NA	0	41	41	21	21	41	21	41
HI	Pots and Traps, Lobster	969,007	\$3,988,000	10,000	10.00%	804,723	3	3,000	3,000	41	31	21	21	31	21	31
NMR	Combined Gears	6,275	\$9,339	NA	NA	NA	NA	NA	8	31	31	31	31	41	41	41
GM	Combined Gears	82	\$100	NA	0.10%	6,847	1	7	8	31	31	31	31	41	41	41

Table 5H. Lost Gear Interaction Matrix for Hawaii & the Western Pacific

Primary Sort: Econ		Secondary Sort: Lost Gear Interaction Factor																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT		PERCENT OF AVAILABLE GEAR LOST PER YEAR		# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR		LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR		Mammals Birds Reptiles Target By-catch Econ Aesthetic Safety																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
				10,000	10,000	10.00%	10.00%		804,723	3		3,000	3,000	41	31	31	21	21	31	21	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Table 51. Lost Gear Interaction Matrix for Hawaii & the Western Pacific

Primary Sort: Aesthetic

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR		PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR		LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR				
				DEPLOYMENT	REMOVAL						Mammals	Birds	Reptiles	Target	Aesthetic Safety
HI	Pots and Traps, Shrimp	900	\$1,300	NA	NA	NA	NA	NA	NA	NA	0	41	41	41	21
HI	Reel Nets	463,155	\$869,890	NA	NA	NA	NA	NA	NA	NA	0	41	31	21	41
HI	Cast Nets	9,235	\$10,146	NA	NA	NA	NA	NA	NA	NA	0	41	41	41	21
HI	Lift Nets	279,406	\$437,394	NA	NA	NA	NA	NA	NA	NA	0	41	41	41	21
HI	Other Gear, Hawaii	1,232	\$1,385	NA	NA	NA	NA	NA	NA	NA	0	41	41	41	21
HI	Pots and Traps, Crab, Other	7,366	\$26,468	NA	NA	NA	NA	NA	NA	NA	0	41	41	41	21
HI	Pots and Traps, Fish	3,810	\$4,828	NA	NA	NA	NA	NA	NA	NA	0	41	41	21	41
HI	Pots and Traps, Lobster	969,007	\$3,988,000	10,000	10,000	10.00%	804,723	3	3,000	3,000	3,000	41	31	21	31

Table 5J. Lost Gear Interaction Matrix for Hawaii & the Western Pacific

Primary Sort: Safety
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
HI	Reel Nets	463,155	\$869,890	NA	NA	NA	NA	NA	0	41	31	31	21	21	41	21
HI	Spears	90,850	\$116,734	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	21
HI	Bag Nets	42,805	\$45,474	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	21
HI	Encircling Nets(Purse)	18	\$24	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	21
HI	Lift Nets	279,406	\$437,394	NA	NA	NA	NA	NA	0	41	41	41	41	41	41	21
AS	Spears	29,545	\$44,836	68	0.10%	366	3	0	0	41	41	41	41	41	41	21
GM	Spears	11,802	\$22,808	NA	0.00%	1,259	3	0	0	41	41	41	41	41	41	21
NMR	Spears	86,674	\$148,558	43	0.10%	237	3	0	0	41	41	41	41	41	41	21
HI	Pots and Traps, Lobster	969,007	\$3,988,000	10,000	10.00%	804,723	3	3,000	3,000	41	31	31	21	21	31	31

Table 6A. Lost Gear Interaction Matrix for the Great Lakes Region
(LS = Lake Superior, LM = Lake Michigan, LH = Lake Huron, LE = Lake Erie, LO = Lake Ontario)

Primary Sort: Regional Interaction Factor

STATE	GEARNAME	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEARLOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOSTGEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
MI	Gill net, LM	3,379,556	\$2,411,126	105	20.00%	26,381	12	252.00	414.84	41	21	31	21	11	11	21
WI	Gill net, LM	3,730,270	\$3,351,226	261	10.00%	47,633	6	156.60	414.84	41	21	31	21	11	11	21
IN	Gill net, LM	1,419,181	\$1,785,986	20	1.00%	5,475	6	6.00	414.84	41	21	31	21	11	11	21
IL	Gill net, LM	237,566	\$304,127	4	1.00%	1,095	6	0.24	414.84	41	21	31	21	11	11	21
MI	Gill net, LS	1,391,925	\$1,060,098	82	20.00%	20,603	12	196.80	271.80	41	21	31	21	11	11	21
MI	Gill net, LS	151,626	\$72,953	32	10.00%	7,920	12	38.40	271.80	41	21	31	21	11	11	21
WI	Gill net, LS	902,126	\$567,469	61	10.00%	11,133	6	36.60	271.80	41	21	31	21	11	11	21
MI	Gill net, LH	2,414,582	\$2,832,950	40	20.00%	10,050	12	96.00	96.00	41	21	31	21	11	11	21
MI	Gill net, LO	62,892	\$64,411	NA	10.00%	624	6	3.00	3.00	41	21	31	21	11	11	21
PA	Gill net, LE	499,453	\$247,040	8	1.00%	2,190	6	0.48	0.48	41	21	31	21	11	11	21
OH	Trap net, LE	1,545,473	\$1,122,701	380	0.10%	39,900	0.5	0.19	0.19	41	21	31	21	21	21	21
MI	Trap net, LE	3,828	\$2,280	8	0.10%	1,080	0.5	0.00	0.19	41	21	31	21	21	21	21
MI	Trap net, LH	1,007,551	\$667,680	377	0.10%	63,148	0.5	0.19	0.19	41	21	31	21	21	21	21
IN	Other trawl, LM	10	\$228	NA	10.00%	NA	NA	NA	NA	NA	41	41	41	41	41	41
WI	Other trawl, LM	11,581,091	\$756,733	6	10.00%	9,855	0.25	0.15	0.15	41	41	41	41	41	41	41
MI	Other trawl, LM	134,729	\$151,993	1	10.00%	1,508	0.25	0.03	0.03	41	41	41	41	41	41	41
IN	Trap net, LM	27,916	\$32,251	NA	0.10%	NA	NA	NA	NA	NA	41	31	21	21	21	21
MI	Trap net, LM	1,973,705	\$1,841,799	220	0.10%	38,775	0.5	0.11	0.12	41	21	41	21	21	21	41
WI	Trap net, LM	587,002	\$521,078	14	0.10%	1,680	0.5	0.01	0.12	41	21	41	21	21	21	21
MI	Trap net, LS	366,417	\$396,923	60	0.10%	10,050	0.5	0.03	0.03	41	21	41	21	21	21	21
MI	Set hooks, LH	139,731	\$70,000	10	1.00%	2,513	0.25	0.03	0.03	41	21	31	21	21	21	21
OH	Set hooks, LE	13,787	\$4,396	7	1.00%	630	0.25	0.02	0.02	41	21	41	21	21	21	21
MI	Pound net, LM	1,836,928	\$308,205	20	0.10%	5,025	0.5	0.01	0.01	41	21	31	21	21	21	21
WI	Pound net, LM	63,695	\$50,636	8	0.10%	960	0.5	0.00	0.01	41	21	31	21	21	21	21
IN	Fyke net, LM	57,235	\$75,655	NA	0.10%	NA	NA	NA	NA	NA	41	31	21	21	21	41
WI	Fyke net, LM	227,305	\$175,324	27	0.10%	3,240	0.5	0.01	0.01	41	31	31	21	21	21	41
MI	Trap net, LO	58,041	\$30,470	NA	0.10%	2,700	0.5	0.01	0.01	41	21	31	21	21	21	21
MI	Fyke net, LE	8,194	\$15,350	20	0.10%	2,700	0.5	0.01	0.01	41	21	31	21	21	21	21
OH	Seine, LE	1,871,202	\$217,293	17	0.10%	1,913	0.25	0.00	0.00	41	41	41	41	21	21	21
MI	Seine, LE	451,262	\$79,751	2	0.10%	503	0.25	0.00	0.00	41	41	41	41	21	21	21
MI	Pound net, LS	184,370	NA	36	0.10%	6,570	0.5	0.00	0.00	41	31	31	21	21	21	21
MI	Fyke net, LO	9,649	\$9,066	NA	0.10%	640	0.5	0.00	0.00	41	21	31	21	21	21	21
MI	Seine, LH	452,740	\$72,988	10	0.10%	2,513	0.25	0.00	0.00	41	41	31	41	21	21	21
WI	Shallow trap, LM	28,014	\$21,995	4	0.10%	480	0.5	0.00	0.00	41	21	31	21	21	21	21
WI	Pound net, LS	257,379	\$129,063	4	0.10%	270	0.5	0.00	0.00	41	31	31	21	21	21	21
PA	Hand seine, LE	6,377	\$16,702	10	0.01%	12,150	0.1	0.00	0.00	41	41	41	41	21	21	21
MI	Seine, LO	4,236	\$4,659	NA	0.10%	18	0.5	0.00	0.00	41	41	31	41	21	21	21
MI	Hoop/drop net, LM	17,430	\$24,374	NA	NA	NA	NA	NA	NA	NA	41	31	31	21	21	41
MI	Hoop/drop net, LH	20,777	\$8,661	NA	NA	NA	NA	NA	NA	NA	41	21	21	21	21	41

Table 6B. Lost Gear Interaction Matrix for the Great Lakes Region
(LS = Lake Superior, LM = Lake Michigan, LH = Lake Huron, LE = Lake Erie, LO = Lake Ontario)

Primary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
IN	Otter trawl, LM	10	\$228	NA	10.00%	NA	NA	NA	0.18	NA	41	41	41	41	21	21
IN	Trap net, LM	27,916	\$32,251	NA	0.10%	NA	NA	NA	0.12	NA	41	31	31	21	21	21
IN	Fyke net, LM	17,235	\$75,655	NA	0.10%	NA	NA	NA	0.01	NA	41	31	31	21	21	21
IN	Hoop/drop net, LM	17,430	\$24,374	NA	NA	NA	NA	NA	0.00	NA	41	31	31	21	21	21
MI	Hoop/drop net, LH	20,777	\$9,661	NA	NA	NA	NA	NA	0.00	NA	41	31	31	21	21	21
MI	Gill net, LM	3,379,556	\$2,411,126	105	20.00%	26,381	12	252.00	414.84	41	21	31	21	11	11	21
MI	Gill net, LS	1,391,925	\$1,060,098	82	20.00%	20,603	12	196.80	271.80	41	21	31	21	11	11	21
WI	Gill net, LM	3,730,270	\$3,351,226	261	10.00%	47,633	6	156.80	414.84	41	21	31	21	11	11	21
MI	Gill net, LH	2,414,582	\$2,832,950	40	20.00%	10,050	12	96.00	96.00	41	21	31	21	11	11	21
MI	Gill net, LS	151,626	\$72,953	32	10.00%	7,920	12	38.40	271.80	41	31	31	21	11	11	21
WI	Gill net, LS	802,126	\$567,468	61	10.00%	11,133	6	36.80	271.80	41	31	31	21	11	11	21
IN	Gill net, LM	1,419,181	\$1,785,986	20	1.00%	5,475	6	8.00	414.84	41	21	31	21	11	11	21
IN	Gill net, LO	62,892	\$64,411	NA	10.00%	624	6	3.00	3.00	41	21	31	21	11	11	21
PA	Gill net, LE	499,453	\$247,040	8	1.00%	2,190	6	0.48	0.48	41	21	31	21	11	11	21
IL	Gill net, LM	237,566	\$304,127	4	1.00%	1,055	6	0.24	414.84	41	31	31	21	11	11	21
OH	Trap net, LE	1,545,473	\$1,122,701	380	0.10%	39,900	0.5	0.19	0.19	41	31	41	21	21	21	21
MI	Trap net, LH	1,007,551	\$687,680	377	0.10%	63,148	0.5	0.19	0.19	41	21	41	21	21	21	21
WI	Otter trawl, LM	11,581,091	\$756,733	6	10.00%	9,655	0.25	0.15	0.15	41	41	41	41	41	41	41
MI	Trap net, LM	1,973,705	\$1,841,799	220	0.10%	38,775	0.5	0.11	0.12	41	21	41	21	21	21	21
MI	Trap net, LS	366,417	\$396,923	60	0.10%	10,050	0.5	0.03	0.03	41	21	41	21	21	21	21
MI	Otter trawl, LM	134,729	\$151,993	1	10.00%	1,508	0.25	0.03	0.18	41	41	41	41	41	41	41
MI	Set hooks, LH	139,731	\$70,000	10	1.00%	2,513	0.25	0.03	0.03	41	21	31	21	21	21	21
OH	Set hooks, LE	13,787	\$4,396	7	1.00%	830	0.25	0.02	0.02	41	41	41	41	21	21	21
WI	Fyke net, LM	227,305	\$175,324	27	0.10%	3,240	0.5	0.01	0.01	41	31	31	21	21	21	21
NY	Trap net, LO	58,041	\$30,470	NA	0.10%	2,181	0.5	0.01	0.01	41	21	31	21	21	21	21
MI	Pound net, LM	1,638,928	\$306,205	20	0.10%	5,025	0.5	0.01	0.01	41	21	31	21	21	21	21
NY	Fyke net, LE	8,194	\$15,360	20	0.10%	2,700	0.5	0.01	0.01	41	21	31	21	21	21	21
WI	Trap net, LM	567,002	\$521,078	14	0.10%	1,680	0.5	0.01	0.12	41	21	41	21	21	21	21
OH	Saive, LE	1,871,202	\$217,283	17	0.10%	1,813	0.25	0.00	0.00	41	41	41	41	21	21	21
NY	Trap net, LE	3,828	\$2,280	8	0.10%	1,080	0.5	0.00	0.19	41	21	31	21	21	21	21
WI	Pound net, LM	63,695	\$50,636	8	0.10%	960	0.5	0.00	0.01	41	21	31	21	21	21	21
NY	Fyke net, LO	9,649	\$9,066	NA	0.10%	640	0.5	0.00	0.00	41	21	31	21	21	21	21
MI	Saive, LH	452,740	\$72,988	10	0.10%	2,513	0.25	0.00	0.00	41	41	31	41	21	21	21
WI	Shallow trap, LM	28,014	\$21,995	4	0.10%	480	0.5	0.00	0.00	41	21	31	21	21	21	21
WI	Pound net, LS	257,379	\$129,063	4	0.10%	270	0.5	0.00	0.00	41	31	31	21	21	21	21
MI	Saive, LE	451,262	\$79,751	2	0.10%	503	0.25	0.00	0.00	41	41	31	41	21	21	21
PA	Hand seine, LE	6,377	\$16,702	10	0.01%	12,150	0.1	0.00	0.00	41	41	41	41	21	21	21
NY	Saive, LO	4,236	\$4,659	NA	0.10%	18	0.5	0.00	0.00	41	41	31	41	21	21	21
MI	Pound net, LS	164,370	NA	36	0.10%	6,570	0.5	0.00	0.00	41	31	31	21	21	21	21

Table 6C. Lost Gear Interaction Matrix for the Great Lakes Region
 (LS = Lake Superior, LM = Lake Michigan, LH = Lake Huron, LE = Lake Erie, LO = Lake Ontario)

Primary Sort: Mammals
 Secondary Sort: Lost Gear Interaction Factor

NO MAMMAL/LOST GEAR EFFECTS DOCUMENTED OR PRESUMED IN THE GREAT LAKES REGION

Table 6D. Lost Gear Interaction Matrix for the Great Lakes Region
(LS = Lake Superior, LM = Lake Michigan, LH = Lake Huron, LE = Lake Erie, LO = Lake Ontario)

Primary Sort: Birds

Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1988 POUNDS		1988 DOLLARS		FOR DEPLOYMENT	GEARLOST PER YEAR	DEPLOYED PER YEAR	PERLOST GEAR	FACTOR (MONTHS/YEAR)	INTERACTION FACTOR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		20,777	\$8,661	NA	NA						NA	0.00	41	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21	31	21

Table 6E. Lost Gear Interaction Matrix for the Great Lakes Region
(LS = Lake Superior, LM = Lake Michigan, LH = Lake Huron, LE = Lake Erie, LO = Lake Ontario)

Primary Sort: Reptiles
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1988		GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
		POUNDS	DOLLARS													
IN	Trap net, LM	27,316	\$32,251	NA	0.10%	NA	NA	NA	0.12	NA	41	31	31	21	21	21
IN	Fyke net, LM	57,235	\$75,655	NA	0.10%	NA	NA	NA	0.01	NA	41	31	31	21	21	21
IN	Hoop/drop net, LM	17,430	\$24,374	NA	NA	NA	NA	NA	0.00	NA	41	31	31	21	21	21
MI	Hoop/drop net, LH	20,777	\$8,661	NA	NA	NA	NA	NA	0.00	NA	41	31	21	21	21	41
MI	Gill net, LM	3,379,556	\$2,411,126	105	20.00%	26,381	12	252.00	414.84	41	21	31	21	11	11	21
MI	Gill net, LS	1,391,925	\$1,060,098	82	20.00%	20,603	12	198.80	271.80	41	21	31	21	11	11	21
WI	Gill net, LM	3,730,270	\$3,351,226	261	10.00%	47,633	6	158.80	414.84	41	21	31	21	11	11	21
MI	Gill net, LH	2,414,982	\$2,832,950	40	20.00%	10,050	12	96.00	96.00	41	21	31	21	11	11	21
MN	Gill net, LS	151,826	\$72,953	32	10.00%	7,920	12	38.40	271.80	41	31	21	21	11	11	21
WI	Gill net, LS	802,126	\$567,468	61	10.00%	11,133	6	36.80	271.80	41	31	21	21	11	11	21
IN	Gill net, LM	1,419,181	\$1,785,986	20	1.00%	5,475	6	6.00	414.84	41	41	31	31	21	11	21
NV	Gill net, LO	62,892	\$64,411	NA	10.00%	624	6	3.00	3.00	41	21	31	21	11	11	21
PA	Gill net, LE	489,453	\$247,040	8	1.00%	2,190	6	0.48	0.48	41	21	31	21	11	11	21
IL	Gill net, LM	237,566	\$304,127	4	1.00%	1,095	6	0.24	414.84	41	31	21	21	11	11	21
MI	Set hooks, LH	139,731	\$70,000	10	1.00%	2,513	0.25	0.03	0.03	41	21	31	21	21	21	21
WI	Fyke net, LM	227,305	\$175,324	27	0.10%	3,240	0.5	0.01	0.01	41	31	31	21	21	21	41
NV	Trap net, LO	58,041	\$30,470	NA	0.10%	2,151	0.5	0.01	0.01	41	21	31	21	21	21	21
MI	Pound net, LM	1,638,928	\$308,205	20	0.10%	5,025	0.5	0.01	0.01	41	21	31	21	21	21	21
NV	Fyke net, LE	8,184	\$15,360	20	0.10%	2,700	0.5	0.01	0.01	41	21	31	21	21	21	21
NV	Trap net, LE	3,828	\$2,280	8	0.10%	1,080	0.5	0.00	0.00	41	21	31	21	21	21	21
WI	Pound net, LM	63,895	\$50,636	8	0.10%	960	0.5	0.00	0.00	41	21	31	21	21	21	21
NV	Fyke net, LO	9,849	\$9,066	NA	0.10%	840	0.5	0.00	0.00	41	21	31	21	21	21	21
MI	Seine, LH	452,740	\$72,888	10	0.10%	2,513	0.25	0.00	0.00	41	41	31	41	21	21	21
WI	Shallow trap, LM	28,014	\$21,995	4	0.10%	480	0.5	0.00	0.00	41	21	31	21	21	21	21
WI	Pound net, LS	257,378	\$129,063	4	0.10%	270	0.5	0.00	0.00	41	31	31	21	21	21	41
MI	Seine, LE	451,262	\$79,751	2	0.10%	503	0.25	0.00	0.00	41	41	31	41	21	21	21
NV	Seine, LO	4,236	\$4,659	NA	0.10%	18	0.5	0.00	0.00	41	41	31	41	21	21	21
MN	Pound net, LS	164,370	NA	36	0.10%	6,570	0.5	0.00	0.00	41	31	31	21	21	21	21

Table 6F. Lost Gear Interaction Matrix for the Great Lakes Region
(LS = Lake Superior, LM = Lake Michigan, LH = Lake Huron, LE = Lake Erie, LO = Lake Ontario)

Primary Sort: Target Secondary Sort: Lost Gear Interaction Factor		1988																	
		GEAR AVAILABLE FOR DEPLOYMENT					PERCENT OF GEAR LOST PER YEAR		# OF GEAR DEPLOYED PER YEAR		INTERACTION MONTHS PER LOST GEAR		LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)		REGIONAL INTERACTION FACTOR				
		DOLLARS	POUNDS	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	
STATE	GEARNAME	20,777	\$8,661	NA	105	20.00%	26,381	12	252.00	414.84	41	21	31	21	21	21	21	41	
MI	Hoop/drop net, LH	3,379,556	\$2,411,126		105	20.00%	26,381	12											
MI	Gill net, LM																		
MI	Gill net, LS	1,391,925	\$1,060,098		82	20.00%	20,603	12											
WI	Gill net, LM	3,730,270	\$3,351,226		281	10.00%	47,633	6											
MI	Gill net, LH	2,414,582	\$2,832,950		40	20.00%	10,050	12											
MI	Gill net, LS	151,626	\$72,953		32	10.00%	7,920	12											
WI	Gill net, LS	902,126	\$567,469		61	10.00%	11,133	6											
MI	Gill net, LO	62,892	\$64,411	NA		10.00%	624												
PA	Gill net, LE	499,453	\$247,040		8	1.00%	2,190	6											
IL	Gill net, LM	237,566	\$304,127		4	1.00%	1,095	6											
OH	Trap net, LE	1,545,473	\$1,122,701		380	0.10%	39,900	0.5											
MI	Trap net, LH	1,007,551	\$667,680		377	0.10%	63,148	0.5											
MI	Trap net, LM	1,973,705	\$1,841,799		220	0.10%	38,775	0.5											
MI	Trap net, LS	366,417	\$396,923		60	0.10%	10,050	0.5											
MI	Set hooks, LH	139,731	\$70,000		10	1.00%	2,513	0.25											
WI	Fyke net, LM	227,305	\$175,324		27	0.10%	3,240	0.5											
MI	Trap net, LO	58,041	\$30,470	NA		0.10%	2,181	0.5											
MI	Pound net, LM	1,636,928	\$306,205		20	0.10%	5,025	0.5											
MI	Fyke net, LE	8,184	\$15,360		20	0.10%	2,700	0.5											
WI	Trap net, LM	567,002	\$521,078		14	0.10%	1,680	0.5											
MI	Trap net, LE	3,828	\$2,280		8	0.10%	1,080	0.5											
WI	Pound net, LM	63,695	\$50,636		8	0.10%	960	0.5											
MI	Fyke net, LO	9,649	\$9,066	NA		0.10%	640	0.5											
WI	Shallow trap, LM	28,014	\$21,995		4	0.10%	480	0.5											
WI	Pound net, LS	257,379	\$129,063		4	0.10%	270	0.5											
MI	Pound net, LS	164,370	NA		36	0.10%	6,570	0.5											
IN	Trap net, LM	27,916	\$32,251	NA		0.10%	NA		NA		NA	41	31	21	21	21	21	21	
IN	Fyke net, LM	57,235	\$75,655	NA		0.10%	NA		NA		NA	41	31	31	21	21	21	41	
IN	Hoop/drop net, LM	17,430	\$24,374	NA		0.10%	NA		NA		NA	41	31	31	21	21	21	41	
IN	Gill net, LM	1,419,181	\$1,785,986		20	1.00%	5,475	6											

Table 6G. Lost Gear Interaction Matrix for the Great Lakes Region
(LS = Lake Superior, LM = Lake Michigan, LH = Lake Huron, LE = Lake Erie, LO = Lake Ontario)

Primary Sort: Bycatch
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEARLOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
MI	Gill net, LM	3,379,556	\$2,411,126	105	20.00%	26,381	12	252.00	414.84	41	21	31	21	11	21	21
MI	Gill net, LS	1,391,925	\$1,060,098	82	20.00%	20,503	12	196.80	271.80	41	21	31	21	11	21	21
WI	Gill net, LM	3,730,270	\$3,351,226	261	10.00%	47,833	6	156.60	414.84	41	21	31	21	11	21	21
MI	Gill net, LH	2,414,582	\$2,832,950	40	20.00%	10,950	12	96.00	96.00	41	21	31	21	11	21	21
WI	Gill net, LS	151,626	\$72,953	32	10.00%	7,920	12	38.40	271.80	41	31	31	21	11	21	21
MI	Gill net, LS	902,126	\$567,469	61	10.00%	11,133	6	36.60	271.80	41	31	31	21	11	21	21
MI	Gill net, LO	62,892	\$64,411	NA	10.00%	624	6	3.00	3.00	41	21	31	21	11	21	21
PA	Gill net, LE	499,453	\$247,040	8	1.00%	2,190	6	0.48	0.48	41	21	31	21	11	21	21
IL	Gill net, LM	237,566	\$304,127	4	1.00%	1,095	6	0.24	414.84	41	31	31	21	11	21	21
IN	Trap net, LM	27,916	\$32,251	NA	0.10%	NA	NA	NA	0.12	NA	41	31	31	21	21	21
IN	Fyke net, LM	57,235	\$75,655	NA	0.10%	NA	NA	NA	0.01	NA	41	31	31	21	21	41
IN	Hoop/drop net, LM	17,430	\$24,374	NA	NA	NA	NA	NA	0.00	NA	41	31	31	21	21	41
MI	Hoop/drop net, LH	20,777	\$8,661	NA	NA	NA	NA	NA	0.00	41	21	31	21	21	21	41
IN	Gill net, LM	1,419,181	\$1,785,986	20	1.00%	5,475	6	6.00	414.84	41	41	31	31	21	11	21
CH	Trap net, LE	1,545,473	\$1,122,701	380	0.10%	39,900	0.5	0.19	0.19	41	31	41	21	21	21	21
MI	Trap net, LH	1,007,551	\$667,680	377	0.10%	63,148	0.5	0.19	0.19	41	21	41	21	21	21	41
MI	Trap net, LM	1,973,705	\$1,841,799	220	0.10%	38,775	0.5	0.11	0.12	41	21	41	21	21	21	41
MI	Trap net, LS	366,417	\$396,923	60	0.10%	10,050	0.5	0.03	0.03	41	21	41	21	21	21	21
MI	Set hooks, LH	139,731	\$70,000	10	1.00%	2,513	0.25	0.03	0.03	41	21	31	21	21	21	21
CH	Set hooks, LE	13,787	\$4,396	7	1.00%	630	0.25	0.02	0.02	41	41	41	41	21	21	21
WI	Fyke net, LM	227,305	\$175,324	27	0.10%	3,240	0.5	0.01	0.01	41	31	31	21	21	21	41
WI	Trap net, LO	56,041	\$30,470	NA	0.10%	2,181	0.5	0.01	0.01	41	21	31	21	21	21	21
MI	Pound net, LM	1,636,928	\$306,205	20	0.10%	5,025	0.5	0.01	0.01	41	21	31	21	21	21	21
MI	Fyke net, LE	8,194	\$15,360	20	0.10%	2,700	0.5	0.01	0.01	41	21	31	21	21	21	21
WI	Trap net, LM	587,002	\$521,078	14	0.10%	1,680	0.5	0.01	0.12	41	21	41	21	21	21	21
CH	Selne, LE	1,871,202	\$217,293	17	0.10%	1,813	0.25	0.00	0.00	41	41	41	21	21	21	21
MI	Trap net, LE	3,828	\$2,280	8	0.10%	1,080	0.5	0.00	0.19	41	21	31	21	21	21	21
WI	Pound net, LM	63,695	\$50,636	8	0.10%	960	0.5	0.00	0.01	41	21	31	21	21	21	21
MI	Fyke net, LO	9,649	\$9,068	NA	0.10%	640	0.5	0.00	0.00	41	21	31	21	21	21	21
MI	Selne, LH	452,740	\$72,988	10	0.10%	2,513	0.25	0.00	0.00	41	41	31	41	21	21	21
WI	Shallow trap, LM	28,014	\$21,995	4	0.10%	480	0.5	0.00	0.00	41	21	31	21	21	21	21
WI	Pound net, LS	237,379	\$129,063	4	0.10%	270	0.5	0.00	0.00	41	31	31	21	21	21	21
MI	Selne, LE	451,262	\$79,751	2	0.10%	503	0.25	0.00	0.00	41	41	31	41	21	21	21
PA	Hand selne, LE	6,377	\$16,702	10	0.01%	12,150	0.1	0.00	0.00	41	41	41	41	21	21	21
MI	Selne, LO	4,236	\$4,659	NA	0.10%	18	0.5	0.00	0.00	41	41	31	41	21	21	21
MI	Pound net, LS	184,370	NA	36	0.10%	6,570	0.5	0.00	0.00	41	31	31	21	21	21	21

Table 6H. Lost Gear Interaction Matrix for the Great Lakes Region
(LS = Lake Superior, LM = Lake Michigan, LH = Lake Huron, LE = Lake Erie, LO = Lake Ontario)

Primary Sort: Econ
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PERLOST	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
MI	Gill net, LM	3,376,556	\$2,411,128	105	20.00%	26,381	12	252.00	414.84	41	21	31	21	11	11	21
MI	Gill net, LS	1,391,925	\$1,060,098	82	20.00%	20,603	12	196.80	271.80	41	21	31	21	11	11	21
WI	Gill net, LM	3,730,270	\$3,351,228	261	10.00%	47,833	6	156.80	414.84	41	21	31	21	11	11	21
WI	Gill net, LH	2,415,582	\$2,832,950	40	20.00%	10,050	12	96.00	96.00	41	21	31	21	11	11	21
MI	Gill net, LS	151,626	\$72,953	32	10.00%	7,920	12	38.40	271.80	41	21	31	21	11	11	21
WI	Gill net, LS	802,126	\$567,469	61	10.00%	11,133	6	36.60	271.80	41	21	31	21	11	11	21
IN	Gill net, LM	1,419,181	\$1,785,986	20	1.00%	5,475	6	6.00	414.84	41	21	31	21	11	11	21
NY	Gill net, LO	62,892	\$84,411	NA	10.00%	624	6	3.00	3.00	41	21	31	21	11	11	21
PA	Gill net, LE	499,453	\$247,040	8	1.00%	2,190	6	0.48	0.48	41	21	31	21	11	11	21
IL	Gill net, LM	237,566	\$304,127	4	1.00%	1095	6	0.24	414.84	41	21	31	21	11	11	21
IN	Otter trawl, LM	10	\$228	NA	10.00%	NA	NA	NA	NA	NA	41	41	41	41	21	21
IN	Trap net, LM	27,918	\$32,251	NA	0.10%	NA	NA	NA	0.12	NA	41	31	31	21	21	21
IN	Fyke net, LM	57,235	\$75,655	NA	0.10%	NA	NA	NA	0.01	NA	41	31	31	21	21	21
IN	Hoop/drop net, LM	17,430	\$24,374	NA	NA	NA	NA	NA	0.00	NA	41	31	31	21	21	41
MI	Hoop/drop net, LH	20,777	\$9,661	NA	NA	NA	NA	NA	0.00	NA	41	31	31	21	21	41
CH	Trap net, LE	1,545,473	\$1,122,701	380	0.10%	39,900	0.5	0.19	0.19	41	21	41	21	21	21	41
MI	Trap net, LM	1,007,551	\$667,680	377	0.10%	63,148	0.5	0.19	0.19	41	21	41	21	21	21	41
MI	Trap net, LH	1,873,705	\$1,841,799	220	0.10%	38,775	0.5	0.11	0.11	41	21	41	21	21	21	41
MI	Trap net, LS	366,417	\$396,923	60	0.10%	10,050	0.5	0.03	0.03	41	21	41	21	21	21	21
MI	Set books, LH	139,731	\$70,000	10	1.00%	2,513	0.25	0.03	0.03	41	21	31	21	21	21	21
CH	Set books, LE	19,787	\$4,398	7	1.00%	630	0.25	0.02	0.02	41	41	41	41	21	21	21
WI	Fyke net, LM	227,305	\$175,324	27	0.10%	3,240	0.5	0.01	0.01	41	31	31	21	21	21	41
NY	Trap net, LO	58,041	\$30,470	NA	0.10%	2,181	0.5	0.01	0.01	41	21	31	21	21	21	21
NY	Pound net, LM	1,635,928	\$306,205	20	0.10%	5,025	0.5	0.01	0.01	41	21	31	21	21	21	21
NY	Fyke net, LE	8,194	\$15,360	20	0.10%	2,700	0.5	0.01	0.01	41	21	31	21	21	21	21
WI	Trap net, LM	567,002	\$521,078	14	0.10%	1,880	0.5	0.01	0.01	41	21	41	21	21	21	21
CH	Selne, LE	1,871,202	\$217,293	17	0.10%	1,913	0.25	0.00	0.00	41	41	41	41	21	21	21
NY	Trap net, LE	3,828	\$2,280	8	0.10%	1,080	0.5	0.00	0.00	41	21	31	21	21	21	21
WI	Pound net, LM	63,695	\$50,636	8	0.10%	960	0.5	0.00	0.01	41	21	31	21	21	21	21
NY	Fyke net, LO	9,649	\$9,068	NA	0.10%	640	0.5	0.00	0.00	41	21	31	21	21	21	21
MI	Selne, LH	452,740	\$72,988	10	0.10%	2,513	0.25	0.00	0.00	41	41	31	41	21	21	21
WI	Shallow trap, LM	28,014	\$21,995	4	0.10%	480	0.5	0.00	0.00	41	21	31	21	21	21	21
WI	Pound net, LS	257,379	\$129,063	4	0.10%	270	0.5	0.00	0.00	41	31	31	21	21	21	41
MI	Selne, LE	451,262	\$79,751	2	0.10%	503	0.25	0.00	0.00	41	41	31	41	21	21	21
PA	Hand selne, LE	6,377	\$16,702	10	0.01%	12,150	0.1	0.00	0.00	41	41	41	41	21	21	21
NY	Selne, LO	4,236	\$4,659	NA	0.10%	18	0.5	0.00	0.00	41	41	31	41	21	21	21
MI	Pound net, LS	164,370	NA	36	0.10%	6,570	0.5	0.00	0.00	41	31	31	21	21	21	21

Table 61. Lost Gear Interaction Matrix for the Great Lakes Region
(LS = Lake Superior, LM = Lake Michigan, LH = Lake Huron, LE = Lake Erie, LO = Lake Ontario)

Primary Sort: Aesthetic
Secondary Sort: Lost Gear Interaction Factor

STATE	GEARNAME	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR	Mammals	Birds	Reptiles	Tar	By-catch	Econ	Aesthetic Safety
IN	Gill net, LM	1,419,181	\$1,785,986	20	1.00%	5,475	6	6.00	414.84	41	41	31	31	21	11	21
IN	Oter trawl, LM	10	\$228	NA	10.00%	NA	NA	NA	0.18	NA	41	41	41	41	21	41
IN	Trap net, LM	27,916	\$32,251	NA	0.10%	NA	NA	NA	0.12	NA	41	31	31	21	21	21
IN	Fyke net, LM	57,235	\$75,855	NA	0.10%	NA	NA	NA	0.01	NA	41	31	31	21	21	41
IN	Hoop/drop net, LM	17,430	\$24,374	NA	NA	NA	NA	NA	0.00	NA	41	31	31	21	21	41
MI	Hoop/drop net, LH	20,777	\$8,661	NA	NA	NA	NA	NA	0.00	41	21	31	21	21	21	41
MI	Gill net, LM	3,379,556	\$2,411,126	105	20.00%	26,381	12	252.00	414.84	41	21	31	21	11	11	21
MI	Gill net, LS	1,391,925	\$1,060,098	82	20.00%	20,603	12	196.80	271.80	41	21	31	21	11	11	21
MI	Gill net, LM	3,730,270	\$3,351,226	261	10.00%	47,633	6	156.60	414.84	41	21	31	21	11	11	21
MI	Gill net, LH	2,414,582	\$2,832,950	40	20.00%	10,050	12	98.00	98.00	41	21	31	21	11	11	21
MI	Gill net, LS	151,826	\$72,953	32	10.00%	7,920	12	38.40	271.80	41	31	31	21	11	11	21
WI	Gill net, LS	902,126	\$567,469	61	10.00%	11,133	6	36.60	271.80	41	31	31	21	11	11	21
NY	Gill net, LO	62,892	\$64,411	NA	10.00%	624	6	3.00	3.00	41	21	31	21	11	11	21
PA	Gill net, LE	499,453	\$247,040	8	1.00%	2,190	6	0.48	0.48	41	21	31	21	11	11	21
IL	Gill net, LM	237,566	\$304,127	4	1.00%	1095	6	0.24	414.84	41	31	31	21	11	11	21
OH	Trap net, LE	1,545,473	\$1,122,701	380	0.10%	39,900	0.5	0.19	0.19	41	31	41	21	21	21	21
MI	Trap net, LS	366,417	\$396,923	60	0.10%	10,050	0.5	0.03	0.03	41	21	41	21	21	21	21
MI	Set hooks, LH	139,731	\$70,000	10	1.00%	2,513	0.25	0.03	0.03	41	21	31	21	21	21	21
OH	Set hooks, LE	13,787	\$4,396	7	1.00%	630	0.25	0.02	0.02	41	41	41	41	21	21	21
NY	Trap net, LO	58,041	\$30,470	NA	0.10%	2,181	0.5	0.01	0.01	41	21	31	21	21	21	21
NY	Fyke net, LE	8,194	\$15,360	20	0.10%	2,700	0.5	0.01	0.01	41	21	31	21	21	21	21
WI	Trap net, LM	567,002	\$521,078	14	0.10%	1,680	0.5	0.01	0.01	41	21	41	21	21	21	21
OH	Seine, LE	1,871,202	\$217,293	17	0.10%	1,913	0.25	0.00	0.00	41	41	41	41	21	21	21
NY	Trap net, LE	3,828	\$2,280	8	0.10%	1,080	0.5	0.00	0.19	41	21	31	21	21	21	21
NY	Fyke net, LO	9,649	\$9,068	NA	0.10%	640	0.5	0.00	0.00	41	21	31	21	21	21	21
MI	Seine, LH	452,740	\$72,888	10	0.10%	2,513	0.25	0.00	0.00	41	41	31	41	21	21	21
WI	Shallow trap, LM	28,014	\$21,995	4	0.10%	480	0.5	0.00	0.00	41	21	31	21	21	21	21
MI	Seine, LE	451,262	\$79,751	2	0.10%	503	0.25	0.00	0.00	41	41	31	41	21	21	21
PA	Hand seine, LE	6,377	\$16,702	10	0.01%	12,150	0.1	0.00	0.00	41	41	41	41	21	21	21
NY	Seine, LO	4,236	\$4,659	NA	0.10%	18	0.5	0.00	0.00	41	41	31	41	21	21	21
MI	Pound net, LS	164,370	NA	36	0.10%	6,570	0.5	0.00	0.00	41	31	31	21	21	21	21

Table 6J. Lost Gear Interaction Matrix for the Great Lakes Region
(LS = Lake Superior, LM = Lake Michigan, LH = Lake Huron, LE = Lake Erie, LO = Lake Ontario)

Primary Sort: Safety		Secondary Sort: Lost Gear Interaction Factor																		
STATE	GEARNAME	1988		GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR		# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR		LOST GEAR INTERACTION FACTOR (MONTHS/YEAR)	REGIONAL INTERACTION FACTOR		Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
		POUNDS	DOLLARS		PER YEAR	PER YEAR		GEAR	NA		NA	NA								
IN	Trap net, LM	27,916	\$32,251	NA	0.10%	NA	NA	NA	NA	0.12	NA	41	31	31	21	21	21	21	21	21
MI	Gill net, LM	3,379,556	\$2,411,126	105	20.00%	26,381	12	252.00	414.84	41	21	31	21	11	11	11	21	21	21	21
MI	Gill net, LS	1,391,925	\$1,060,098	82	20.00%	20,603	12	198.80	271.80	41	21	31	21	11	11	11	21	21	21	21
WI	Gill net, LM	3,730,270	\$3,351,226	261	10.00%	47,633	6	156.60	414.84	41	21	31	21	11	11	11	21	21	21	21
MI	Gill net, LH	2,414,582	\$2,832,950	40	20.00%	10,050	12	96.00	96.00	41	21	31	21	11	11	11	21	21	21	21
MI	Gill net, LS	151,826	\$72,953	32	10.00%	7,920	12	38.40	271.80	41	31	31	21	11	11	11	21	21	21	21
WI	Gill net, LS	902,126	\$567,469	61	10.00%	11,133	6	36.60	271.80	41	31	31	21	11	11	11	21	21	21	21
IN	Gill net, LM	1,419,181	\$1,785,986	20	10.00%	5,475	6	6.00	414.84	41	41	31	31	21	11	11	21	21	21	21
NY	Gill net, LO	62,892	\$64,411	NA	10.00%	624	6	3.00	3.00	41	21	31	21	11	11	11	21	21	21	21
PA	Gill net, LE	499,453	\$247,040	8	1.00%	2,190	6	0.48	0.48	41	21	31	21	11	11	11	21	21	21	21
IL	Gill net, LM	237,566	\$304,127	4	1.00%	1,095	6	0.24	414.84	41	31	31	21	11	11	11	21	21	21	21
OH	Trap net, LE	1,545,473	\$1,122,701	380	0.10%	39,900	0.5	0.19	0.19	41	31	41	21	21	21	21	21	21	21	21
MI	Trap net, LS	366,417	\$396,923	60	0.10%	10,050	0.5	0.03	0.03	41	21	41	21	21	21	21	21	21	21	21
MI	Set hooks, LH	139,731	\$70,000	10	1.00%	2,513	0.25	0.03	0.03	41	21	31	21	21	21	21	21	21	21	21
OH	Set hooks, LE	13,787	\$4,396	7	1.00%	630	0.25	0.02	0.02	41	41	41	21	21	21	21	21	21	21	21
NY	Trap net, LO	58,041	\$30,470	NA	0.10%	2,181	0.5	0.01	0.01	41	21	31	21	21	21	21	21	21	21	21
MI	Pound net, LM	1,636,928	\$306,205	20	0.10%	5,025	0.5	0.01	0.01	41	21	31	21	21	21	21	21	21	21	21
NY	Fyke net, LE	8,194	\$15,360	20	0.10%	2,700	0.5	0.01	0.01	41	21	31	21	21	21	21	21	21	21	21
WI	Trap net, LM	567,002	\$521,078	14	0.10%	1,680	0.5	0.01	0.01	41	21	41	21	21	21	21	21	21	21	21
OH	Seine, LE	1,871,202	\$217,293	17	0.10%	1,913	0.25	0.00	0.00	41	41	41	21	21	21	21	21	21	21	21
NY	Trap net, LE	3,828	\$2,280	8	0.10%	1,080	0.5	0.00	0.00	41	21	31	21	21	21	21	21	21	21	21
WI	Pound net, LM	63,695	\$50,636	8	0.10%	960	0.5	0.00	0.01	41	21	31	21	21	21	21	21	21	21	21
NY	Fyke net, LO	9,649	\$9,066	NA	0.10%	640	0.5	0.00	0.00	41	21	31	21	21	21	21	21	21	21	21
MI	Seine, LH	452,740	\$72,988	10	0.10%	2,513	0.25	0.00	0.00	41	41	31	41	21	21	21	21	21	21	21
WI	Shallow trap, LM	28,014	\$21,995	4	0.10%	480	0.5	0.00	0.00	41	21	31	21	21	21	21	21	21	21	21
WI	Pound net, LS	257,379	\$129,063	4	0.10%	270	0.5	0.00	0.00	41	31	31	21	21	21	21	21	21	21	21
MI	Seine, LE	451,262	\$79,751	2	0.10%	503	0.25	0.00	0.00	41	41	31	41	21	21	21	21	21	21	21
PA	Hand seine, LE	6,377	\$16,702	10	0.01%	12,150	0.1	0.00	0.00	41	41	41	41	21	21	21	21	21	21	21
NY	Seine, LO	4,236	\$4,659	NA	0.10%	18	0.5	0.00	0.00	41	41	31	41	21	21	21	21	21	21	21
MI	Pound net, LS	184,370	NA	36	0.10%	6,570	0.5	0.00	0.00	41	31	31	41	21	21	21	21	21	21	21

Table 7. Summary of highest two ranked fishery/gear categories in each of six regions based on lost gear interaction factor.

AREA	FISHERY/GEAR CATEGORY	FISHERY EX-VESSEL VALUE (\$ millions)	LOST GEAR INTERACTION FACTOR (gear/months)	PRESENCE OF EFFECT				
				MARINE MAMMALS	BIRDS	TARGET SPECIES	BYCATCH SPECIES	ECONOMIC AESTHETIC SAFETY
North Atlantic	Inshore Pot & Trap, Lobster	\$109.0	7,329,261	X	-	X	X	X
	Offshore Pot & Trap, Lobster	\$24.2	186,975	X	-	X	X	X
South Atlantic	Pots & Traps, Blue Crab	\$37.1	1,571,300	X	X	X	X	X
	Pots & Traps, Spiny Lobster	\$1.9	120,000	-	X	X	X	X
Gulf of Mexico & Caribbean	Pots & Traps, Spiny Lobster	\$21.0	2,056,116	X	X	X	X	X
	Pots & Traps, Blue Crab	\$32.5	729,277	-	X	X	X	X
West Coast & Alaska	Pots, King & Tanner Crab	\$203.3	210,000	X	-	-	X	X
	Pots & Traps, Dungeness Crab	\$43.6	41,742	X	-	-	X	X
Hawaii & Western Pacific	Pots & Traps, Lobster	\$4.0	3,000	X	X	X	X	X
	Lines Hand, Rockfish	\$3.4	2,437	X	X	X	-	-
Great Lakes	Gillnet, Lake Michigan	\$7.9	415	-	X	X	X	X
	Gillnet, Lake Superior	\$1.7	272	-	X	X	X	X

APPENDIX I
STATE TABLES

Appendix Table 1: Lost Gear Interaction Matrix for the State of Alabama.

ALABAMA	1987	POUNDS	1987	DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS		LOST GEAR INTERACTION FACTOR	MONTHS/YEAR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
								PER YEAR	PER YEAR		GEAR	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER 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MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER MONTH	PER 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Appendix Table 2: Lost Gear Interaction Matrix for the State of Alaska.

ALASKA	1987	1987	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	Reptiles	Birds	Mammals	By-catch	Econ	Aesthetic	Safety
GEARNAME	POUNDS	DOLLARS												
Purse Seine, Herring	75,536,779	\$32,904,271	284	NA	5,940	NA	NA	41	41	41	41	21	21	41
Beam Trawl, Shrimp	1,745,854	\$3,714,705	19	NA	NA	0.25	NA	41	41	41	41	41	41	41
Pound Net, Other	122,412	\$1,836,180	111	NA	NA	0.25	NA	31	41	41	41	21	21	41
Pots, Other Crab	22,899	\$34,349	7	NA	NA	NA	NA	21	31	41	41	21	21	41
Pots, Shrimp	592,346	\$1,727,961	50	NA	NA	NA	NA	21	31	41	41	21	21	41
Pots, King & Tanner Crab	144,671,480	\$203,338,997	175,000	10.00%	23,625,000	12	210,000	21	41	41	11	21	11	41
Pots, Dungeness Crab	9,349,206	\$11,219,047	11,250	18.00%	843,750	12	24,300	21	31	41	11	21	11	41
Pots, Other	39,492	\$39,492	3,000	18.00%	547,500	12	6,480	21	31	41	41	21	21	41
Longline, Halibut	55,340,000	\$60,900,000	5,192	20.00%	25,960	6	6,230	21	31	41	41	21	21	41
Longline, Groundfish	225,204,720	\$123,862,596	1,433	20.00%	392,284	6	1,720	21	41	41	41	21	21	41
Gillnet, Set	77,069,265	\$99,406,609	2,180	1.00%	163,500	12	262	21	31	41	21	21	21	21
Gillnet, Herring	25,767,409	\$12,364,835	175	1.00%	3,938	12	21	21	31	41	41	21	21	21
Troll, Hand	2,132,221	\$2,904,308	1,931	0.10%	260,685	6	12	21	31	41	41	21	21	41
Troll, Power	11,085,236	\$15,851,487	942	0.10%	127,170	6	6	21	31	41	41	21	21	41
Trawl, Groundfish	3,107,240,194	\$621,448,039	197	5.00%	345,144	0.25	2	21	41	41	41	21	21	41
Gillnet, Drift	187,650,887	\$267,239,960	3,468	0.01%	260,100	0.25	<0.5	21	31	41	21	21	21	41
Purse Seine, Salmon	208,996,168	\$115,152,786	1,350	0.01%	101,250	0.25	<0.5	41	41	41	41	21	21	41
Otter Trawl, Shrimp	91,917	\$36,767	6	2.00%	9,855	0.25	<0.5	41	41	41	41	41	41	41
Beach Seine, Salmon	583,425	\$225,396	33	0.01%	2,475	0.25	<0.5	41	41	41	41	41	41	41
Beach Seine, Herring	626,494	\$313,247	21	0.01%	473	0.25	<0.5	41	41	41	41	41	41	41
Dredge	583,043	\$2,186,411	5	NA	NA	0	<0.5	41	41	41	41	41	41	41

Appendix Table 3: Lost Gear Interaction Matrix for the Territory of American Samoa...

AMERICAN SAMOA	GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION		LOST GEAR INTERACTION FACTOR	MONTHS/YEAR Mammals Birds Reptiles Target By-catch Econ Aesthetic Safety						
							PER YEAR	PER LOST GEAR								
	Lines Hand, Rockfish	142,582	\$121,863	68	50.00%		168	1.0	34.0	41	31	21	41	41	41	41
	Lines Hand, Tuna/Jacks	204,921	\$219,523	102	35.00%		2,092	0.1	3.6	41	31	41	41	41	41	41
	Combined Gears	32,770	\$52,788	68	0.10%		1,059	1.0	1.1	41	41	41	41	41	41	41
	Spears	29,545	\$44,836	68	0.10%		366	3.0	0.2	41	41	41	41	41	41	21

Appendix Table 4: Lost Gear Interaction Matrix for the State of California.

CALIFORNIA GEAR NAME	1987 ROUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
Purse Seines, Mackerel	50	\$34	46	NA	NA	NA	NA	41	41	41	41	41	41	41
Purse Seines, Tuna	55,959,814	\$4,506,218	88	NA	NA	NA	NA	41	41	41	41	41	41	41
Lampara & Ring Nets, Mackerel	104,229,700	\$4,651,464	29	NA	NA	NA	NA	41	41	41	41	41	41	41
Lampara & Ring Nets, Squid	34,526,600	\$3,029,060	29	NA	NA	NA	NA	41	41	41	41	41	41	41
Otter Trawl Midwater	See Note 1	See Note 1	NA	NA	NA	NA	NA	21	41	41	41	41	11	21
Pots and Traps, Shrimp	36,073	\$197,939	NA	NA	NA	NA	NA	41	41	41	11	11	21	21
Gill Nets, Sea Bass	13,862,032	\$5,469,017	290	NA	NA	NA	NA	20	31	41	11	11	11	11
Gill Nets, Drift Swordfish	2,152,756	\$7,656,879	10	NA	NA	NA	NA	21	31	41	11	11	21	21
Gill Nets, Herring	13,198,100	\$4,263,400	12	NA	NA	NA	NA	21	31	41	11	11	11	21
Gill Nets, Drift, Other	471,334	\$704,435	10	NA	NA	NA	NA	21	31	41	11	11	11	21
Lines Long Set with Hooks Top Waters	580	\$676	1	NA	NA	NA	NA	41	31	41	21	21	41	21
Lines Long, Reef Fish Bottom Waters	20,016	\$16,076	171	NA	NA	NA	NA	41	41	41	21	21	41	21
Harpoons, Swordfish	324,123	\$1,458,130	58	NA	NA	NA	NA	41	41	41	41	41	41	41
Hooks, Abalone	762,958	\$2,461,034	21	NA	NA	NA	NA	41	41	41	41	41	41	41
Diving Outfits, Urchin	46,061,700	\$12,080,000	115	NA	NA	NA	NA	41	41	41	41	41	41	41
Pots and Traps, Lobster Inshore	446,544	\$2,122,220	52,500	10.00%	1,050,000	4.0	21,000	41	41	41	11	11	11	21
Pots and Traps, Crab, Dungeness	8,467,493	\$11,173,017	45,850	18.00%	705,624	1.0	8,253	41	41	41	11	11	11	21
Gill Nets, California Halibut	696,459	\$1,487,500	NA	1.00%	31,043	3.0	931	20	31	41	11	11	11	11
Pots and Traps, Fish	1,054,614	\$557,079	2,000	11.00%	78,000	3.0	660	41	41	41	11	11	21	21
Pole and Line	13,186,295	\$5,586,086	5,832	20.00%	670,680	0.1	117	41	31	41	41	41	41	21
Lines Power Troll, Tuna	45,155	\$33,676	1,476	5.00%	66,420	0.1	7	41	41	41	41	41	41	41
Lines Power Troll, Salmon	9,301,292	\$25,577,937	4,818	1.00%	216,810	0.1	5	41	41	41	41	41	41	41
Lines Power Troll, Other	151,362	\$53,934	624	5.00%	37,440	0.1	3	41	41	41	41	41	41	41
Otter Trawl Bottom, Fish	81,852,603	\$20,483,228	175	5.00%	55,723	0.1	1	21	41	41	41	41	11	21
Otter Trawl Bottom, Shrimp	8,378,139	\$6,302,538	96	2.00%	2,703	0.1	<0.5	21	41	41	41	41	11	21
Purse Seines, Herring	4,611,890	\$1,227,340	46	1.00%	1,840	0.1	<0.5	41	41	41	41	41	41	41
Purse Seines, Sardine	13,850,097	\$1,749,605	46	1.00%	5,540	0.1	<0.5	41	41	41	41	41	41	41

Appendix Table 5: Lost Gear Interaction Matrix for the Caribbean Territory.

CARIBBEAN GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
Lines Hand, Other Still Fishing Bottom	1,402,000	NA	3,250	0.10%	889,688		6.00	NA	31	41	11	41	21	21	11	21
Lines Long, Reef Fish Bottom Waters	NA	NA	2,099	0.10%	574,601		6.00	NA	31	41	11	41	21	21	11	21
Lines Troll, Other Top Waters	462,000	NA	1,712	NA	468,660		6.00	NA	41	41	41	41	21	21	11	21
Lines Trot with Balls	24,000	NA	586	0.10%	160,418		6.00	NA	31	41	11	41	21	21	21	21
Snare	NA	NA	83	NA	NA	NA	NA	NA	31	41	11	21	21	21	21	21
Pots and Traps, Fish	5,221,000	NA	11,710	40.00%	854,830	12.00	12.00	56,208.00	41	31	11	11	11	11	11	41
Pots and Traps, Spiny Lobster	303,000	NA	1,795	40.00%	131,035	12.00	12.00	8,616.00	31	31	11	11	11	11	11	41
Gill Nets	582,000	NA	944	1.00%	258,420	12.00	12.00	113.28	31	31	11	21	11	11	11	21
Trammel Nets	NA	NA	425	1.00%	116,344	12.00	12.00	51.00	31	31	11	21	11	11	11	21
Pole and Line	NA	NA	283	1.00%	77,471	6.00	6.00	16.98	41	41	41	41	21	21	21	21
Bag Net	NA	NA	132	0.10%	36,135	1.00	1.00	0.13	31	41	41	41	21	21	21	41
Cast Nets	41,000	NA	946	0.01%	258,968	1.00	1.00	0.09	41	41	41	41	41	41	21	41
Haul Seines, Long	NA	NA	49	0.10%	13,414	1.00	1.00	0.05	41	41	11	41	21	21	21	41
Haul Seines, Beach	550,000	NA	117	0.01%	64,058	0.25	0.25	0.00	41	41	41	41	21	21	21	41
Gaff	NA	NA	523	0.01%	143,171	0.00	0.00	0.00	41	41	41	41	41	41	41	41
Spears	415,000	NA	365	0.10%	99,919	0.00	0.00	0.00	41	41	41	41	41	41	41	21

Appendix Table 6: Lost Gear Interaction Matrix for the State of Connecticut.

CONNECTICUT	GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION		LOST GEAR INTERACTION FACTOR									
							MONTHS PER LOST GEAR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety		
Rakes, Other Shore(From the Beach Bayside) Lines Hand, Other Still Fishing Bottom Pots and Traps, Lobster Inshore Offshore Lobster Pots and Traps, Conch Pots and Traps, Fish Pots and Traps, Crab,Other Pots and Traps, Crab,Blue Pots and Traps, Eal Otter Trawl Bottom, Fish Gill Nets, Other Gill Nets, Drift, Other Otter Trawl Bottom, Lobster Gill Nets, Drift, Shad Haul Seines Fyke and Hoop Nets, Fish Pound Nets, Fish Dip Nets, Common Dredges, Clam Dredges, Oyster Common Dredges, Scallop, Sea Spears		12,500	\$56,250	NA	0.01%	NA	NA	NA	41	41	41	41	41	41	41	41	41	41
		494,873	\$1,684,387	NA	0.01%	NA	NA	NA	41	41	41	41	41	41	41	41	41	41
		NA	NA	51	0.10%	13,961	6	NA	31	41	31	41	21	21	21	21	21	21
		NA	NA	41166	25.00%	3,951,936	12	123,498.00	31	31	31	11	21	11	11	11	21	21
		NA	NA	6000	25.00%	576,000	12	18,000.00	11	41	11	11	21	11	11	41	41	41
		24,400	\$35,678	70	20.00%	6,720	12	168.00	11	31	11	21	21	21	21	21	21	21
		490,200	\$395,748	1310	1.00%	125,760	12	157.20	11	31	11	21	11	11	11	11	21	21
		300	\$64	52	10.00%	4,680	12	62.40	31	31	31	21	21	21	21	21	21	21
		400	\$200	30	10.00%	2,700	12	36.00	31	31	31	21	21	21	21	21	21	21
		11,900	\$10,423	239	1.00%	22,944	12	28.68	11	31	11	21	11	11	11	21	21	21
		4,232,800	\$3,722,436	81	5.00%	110,869	0.25	1.01	41	41	11	41	41	21	21	21	21	21
		41,050	\$24,025	6	1.00%	1,643	12	0.72	11	31	11	21	21	21	21	21	21	21
		136,600	\$271,945	83	1.00%	22,721	0.25	0.21	11	31	11	21	11	21	11	21	21	21
		37,352	\$126,998	11	5.00%	3,011	0.25	0.14	41	41	11	41	41	21	21	21	21	21
		333,900	\$233,730	14	1.00%	3,833	0.25	0.04	11	31	11	21	11	21	11	21	21	21
		NA	NA	11	0.10%	3,011	1	0.01	41	41	41	41	21	21	21	41	41	41
		4,500	\$1,118	5	0.10%	1,369	0.5	0.00	41	31	11	21	21	21	21	21	21	21
		12,800	\$4,577	1	0.10%	274	0.5	0.00	11	31	11	21	21	21	21	21	21	21
		900	\$275	2	0.01%	548	0.25	0.00	41	41	41	41	41	41	41	21	41	41
		316,020	\$310,457	9	0.10%	2,464	0	0.00	41	41	41	41	41	41	21	21	41	41
	536,854	\$3,899,292	34	0.10%	9,308	0	0.00	41	41	41	41	41	41	21	21	41	41	
	130,000	\$520,000	5	0.10%	1,369	0	0.00	41	41	41	41	41	41	21	21	41	41	
	500	\$547	1	0.01%	274	0	0.00	41	41	41	41	41	41	41	41	41	21	

Appendix Table 7: Lost Gear Interaction Matrix for the State of Delaware.

DELAWARE	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
Lines Hand, Other Sill Fishing Bottom	44,700	\$33,679	76	0.10%	20,805	6	NA		31	31	31	41	21	21	21	21
Pots and Traps, Lobster Offshore	81,200	\$331,296	3600	25.00%	648,000	12	10,800		11	31	11	11	21	11	21	21
Pots and Traps, Crab, Blue	3,145,200	\$1,019,212	11850	1.00%	2,399,625	12	1,422		31	31	31	21	21	11	21	21
Pots and Traps, Lobster Inshore	400	\$1,514	135	25.00%	16,200	12	405		31	31	31	21	21	21	21	21
Pots and Traps, Fish	198,800	\$200,165	1605	1.00%	168,525	12	193		11	31	11	21	21	11	21	21
Pots and Traps, Eel	95,400	\$106,400	1055	1.00%	11,078	12	127		11	31	11	21	21	11	21	21
Gill Nets, Other	629,100	\$192,399	188	1.00%	51,465	12	23		11	31	11	21	11	11	21	21
Gill Nets, Stake	Confidential	Confidential	6	1.00%	1,643	12	1		11	31	11	21	11	11	21	21
Gill Nets, Drift, Other	776,300	\$361,476	82	1.00%	8,610	0.25	0		11	31	11	21	11	11	21	21
Fyke and Hoop Nets, Fish	4,700	\$2,122	12	0.10%	3,285	0.5	0		41	31	31	21	21	21	21	21
Dredges, Crab	771,700	\$197,556	20	0.10%	1,575	0	0		41	41	41	41	41	41	41	41
Rakes, Other	7,300	\$21,146	33	0.01%	9,034	0	0		41	41	41	41	41	41	41	41
Tongs & Grabs, Other	2,900	\$8,410	8	0.01%	2,190	0	0		41	41	41	41	41	41	41	41

Appendix Table 8: Lost Gear Interaction Matrix for the State of Florida, East Coast.

FLORIDA EAST COAST GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MAMMALS	BIRDS	REPTILES	TARGET	BY-CATCH	ECON	AESTHETIC	SAFETY
Fyke and Hoop Nets, Crab	82,283	\$30,445	NA	0.10%	NA	0.5	NA	41	31	11	21	21	21	21	21
Gill Nets, Drift, Shad	2,784	\$251	NA	1.00%	NA	0.25	NA	31	31	11	21	21	21	11	21
Gill Nets, GI 4-7 Inch	701	\$1,332	NA	1.00%	NA	12	NA	31	31	11	21	21	21	11	21
Gill Nets, Other	215,124	\$31,154	NA	1.00%	NA	12	NA	31	31	11	21	21	21	11	21
Lines Troll, Other Top Waters	1,951,229	\$2,163,806	463	NA	126,746	6	NA	41	41	11	41	21	21	21	21
Lines Troll with Bait	25	\$3	NA	0.10%	NA	6	NA	41	31	41	41	21	21	21	21
Pots and Traps, Box Trap	22,777	\$9,307	NA	1.00%	NA	12	NA	41	31	11	21	21	21	21	21
Purse Seines, Menhaden	1,467,327	\$102,713	NA	0.10%	NA	0.25	NA	41	41	41	41	41	41	21	21
Rakes, Other	508,789	\$2,684,272	NA	0.01%	NA	0	NA	41	41	41	41	41	41	21	21
Spears	9,637	\$10,724	NA	0.01%	NA	0	NA	41	41	41	41	41	41	21	21
Tongs & Grabs, Oyster	11,548	\$30,026	NA	0.01%	NA	0	NA	41	41	41	41	41	41	21	21
Trammel Nets	152,846	\$340,005	NA	1.00%	NA	12	NA	31	31	11	21	21	21	11	21
Haul Seines, Beach	557,556	\$195,691	NA	0.01%	NA	0.25	NA	41	41	41	41	41	41	21	21
Haul Seines, Long	347,849	\$121,390	NA	0.10%	NA	1	NA	41	41	11	41	21	21	21	21
Pots and Traps, Spiny Lobster	511,280	\$1,868,800	40000	25.00%	3,168,000	12	120,000	41	31	11	11	21	11	11	11
Pots and Traps, Fish	191,786	\$212,701	3652	10.00%	439,983	12	4,382	41	31	11	11	21	11	21	21
Pots and Traps, Crab, Blue	7,790,396	\$2,736,877	2200	10.00%	602,250	12	2,640	41	31	11	21	21	21	21	21
Pots and Traps, Crab, Other	50,096	\$238,792	1700	10.00%	267,750	12	2,040	41	31	11	21	21	21	21	21
Otter Trawl Bottom, Shrimp	1,372,872	\$748,803	638	2.70%	1,047,915	0.25	4	41	41	41	41	41	41	21	21
Lines Hand, Other Still Fishing Bottom	3,497,963	\$3,882,494	310	0.10%	84,963	6	2	31	31	11	41	21	21	21	21
Otter Trawl Bottom, Scallop	10,388,252	\$10,452,410	100	2.70%	164,250	0.25	1	41	41	41	41	41	41	21	21
Lines Long Set with Hooks Top Waters	3,539,518	\$10,787,182	88	0.10%	24,090	6	1	31	31	11	41	21	21	21	21
Troll & Hand Lines, Combined	NA	NA	82	0.10%	22,448	6	0	31	31	11	41	21	21	21	21
Lines Long, Reef Fish Bottom Waters	172,454	\$277,560	36	0.10%	9,855	6	0	31	31	11	41	21	21	21	21
Otter Trawl Bottom, Other	8,981	\$4,062	6	2.70%	9,855	0.25	0	41	41	41	41	41	41	21	21
Gill Nets, Drift, Runaround	11,184,575	\$3,992,816	135	0.10%	36,956	0.25	0	31	31	11	21	21	21	11	21
Gill Nets, Drift, Other	1,631,499	\$1,481,226	13	1.00%	3,559	0.25	0	31	31	11	21	21	21	11	21
Otter Trawl Bottom, Fish	466	\$263	2	2.70%	3,285	0.25	0	41	41	41	41	41	41	21	21
Cast Nets	496,112	\$229,268	42	0.01%	11,498	1	0	41	31	41	41	41	41	21	21
Purse Seines, Other	1,153,169	\$514,350	4	0.10%	5,940	0.25	0	41	41	41	41	41	41	21	21
Diving Outfits, Other	134,559	\$293,701	28	0.00%	7,665	0	0	41	41	41	41	41	41	41	41

Appendix Table 9: Lost Gear Interaction Matrix for the State of Florida, West Coast.

FLORIDA WEST COAST																
GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEARLOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION PERLOST GEAR	LOST GEAR INTERACTION FACTOR	Reptiles Target By-catch Econ Aesthetic Safety								
Dredges, Mussel	980	\$280	NA	0.10%	NA	0	NA	41	41	41	41	41	41	41	41	41
Dredges, Scallop, Bay	13,042	\$58,668	NA	0.10%	NA	0	NA	41	41	41	41	41	41	41	41	41
Entangling Nets(Gill), Unspc.	1,077,150	\$474,600	NA	1.00%	NA	12	NA	31	31	11	21	21	21	21	21	21
Gill Nets, GI 4-7 Inch	55,302	\$105,076	NA	1.00%	NA	12	NA	31	31	11	21	21	21	21	21	21
Gill Nets, Other	823,986	\$317,676	NA	1.00%	NA	12	NA	31	31	11	21	11	11	21	21	21
Gill Nets, Stake	39,303	\$9,350	NA	1.00%	NA	12	NA	31	31	11	21	21	21	21	21	21
Lines Hand, Albacore	1,939	\$4,576	NA	NA	NA	6	NA	41	41	11	41	21	21	21	21	21
Lines Power Troll, Other	2,605	\$1,206	NA	1.00%	NA	6	NA	41	41	11	41	21	21	21	21	21
Lines Troll, Other Top Waters	472,513	\$497,252	670	NA	183,413	6	NA	41	41	11	41	21	21	21	21	21
Pots and Traps, Crab,Other	4,613,792	\$21,742,915	NA	10.00%	NA	12	NA	41	31	11	21	21	21	21	21	21
Pots and Traps, Lobster Inshore	349	\$1,170	NA	25.00%	NA	12	NA	41	31	11	21	21	21	21	21	21
Purse Seines, Menhaden	16,923,864	\$1,577,839	NA	0.10%	NA	0.25	NA	41	41	41	41	41	41	41	41	41
Rakes, Other	625	\$3,269	NA	0.01%	NA	0	NA	41	41	41	41	41	41	41	41	41
Butterfly Net, GOM Shrimp	8,560	\$24,506	NA	0.10%	NA	0.25	NA	41	41	41	41	21	21	21	21	21
Roller Trawl, GOM Shrimp	291,831	\$627,364	NA	2.70%	NA	0.25	NA	41	41	11	41	41	41	21	21	21
Pots and Traps, Spiny Lobster	5,458,515	\$19,781,977	682500	25.00%	54,054,000	12	2,047,500	31	31	11	11	21	11	11	11	11
Pots and Traps, Crab,Blue	10,360,100	\$4,123,382	272146	10.00%	74,499,968	12	326,575	41	31	11	11	21	11	21	21	21
Pots and Traps, Fish	777,107	\$1,113,175	6931	10.00%	1,897,361	12	8,317	41	31	11	21	21	21	21	21	21
Lines Hand, Other Silll Fishing Bottom	14,351,913	\$17,947,570	5324	0.10%	1,457,445	6	32	31	31	11	41	21	21	21	21	21
Otter Trawl Bottom, Shrimp	11,330,335	\$36,822,565	3742	2.70%	6,146,235	0.25	25	41	41	41	41	41	41	41	41	41
Lines Long Set with Hooks Top Waters	2,551,556	\$6,552,930	962	0.10%	263,348	6	6	31	31	11	41	21	21	21	21	21
Lines Long, Reef Fish Bottom Waters	7,091,715	\$10,841,922	534	0.10%	146,183	6	3	31	31	11	41	21	21	21	21	21
Trammel Nets	2,298,866	\$1,445,239	3	1.00%	821	12	0	31	31	11	41	21	21	21	21	21
Gill Nets, Drift, Runaround	29,514,372	\$8,526,266	1219	0.10%	333,701	0.25	0	31	31	11	21	21	21	21	21	21
Gill Nets, Drift, Other	1,415,144	\$823,584	18	1.00%	4,928	0.25	0	31	31	11	21	21	21	21	21	21
Cast Nets	725,065	\$208,965	225	0.01%	61,594	1	0	41	41	41	41	21	21	21	21	21
Purse Seines, Other	5,069,702	\$716,063	23	0.10%	37,778	0.25	0	41	41	41	41	41	41	41	41	41
Haul Seines, Beach	6,581,162	\$1,254,577	72	0.01%	19,710	0.25	0	41	41	41	41	41	41	41	41	41
Dip Nets, Common	39,458	\$138,540	12	0.01%	3,285	1	0	41	41	41	41	41	41	41	41	41
Encircling Nets(Purse)	4,611,219	\$540,514	4	0.10%	1,095	0.25	0	41	41	41	41	41	41	41	41	41
Diving Outfits, Other	155,536	\$394,686	20	0.01%	5,475	0	0	41	41	41	41	41	41	41	41	41
Dredges, Clam	15,176	\$73,692	1	0.10%	274	0	0	41	41	41	41	41	41	41	41	41
Spears	102,109	\$80,813	116	0.01%	31,755	0	0	41	41	41	41	41	41	41	41	41
Tongs & Grabs, Oyster	3,671,490	\$9,579,692	803	0.01%	219,821	0	0	41	41	41	41	41	41	41	41	41

Appendix Table 10: Lost Gear Interaction Matrix for the State of Georgia.

GEORGIA	GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
	Entangling Nets(Gill), Unspec.	23,051	\$23,349	NA	1.00%	NA	12	NA	31	11	11	21	21	21	21
	Fyke and Hoop Nets, Turtle	35	\$36	NA	0.10%	NA	0.5	NA	41	11	11	21	21	21	41
	Gill Nets, Drift, Runaround	3,661	\$12,193	NA	0.10%	NA	0.25	NA	31	11	11	21	21	21	21
	Lines Snag	1,015	\$1,808	NA	0.10%	NA	NA	NA	41	41	11	21	21	21	21
	Trawls, Unspecified	17,471	\$6,960	NA	2.70%	NA	0.25	NA	41	41	41	41	41	41	21
	Troll & Hand Lines, Cmb.	28,703	\$38,890	NA	0.10%	NA	6	NA	31	11	11	41	41	41	21
	Pots and Traps, Crab, Blue	6,159,238	\$1,947,852	19175	10.00%	5,249,156	12	23,010	41	11	11	11	21	11	11
	Pots and Traps, Fish	57,219	\$43,430	275	10.00%	75,281	12	330	41	11	11	11	21	11	21
	Pots and Traps, Eel	102	\$128	10	10.00%	2,738	12	12	41	11	11	21	21	21	21
	Gill Nets, Other	35,498	\$23,307	61	1.00%	16,699	12	7	31	11	11	21	11	11	21
	Otter Trawl Bottom, Shrimp	460,413	\$232,169	906	2.70%	1,488,105	0.25	6	41	41	41	41	41	21	21
	Gill Nets, Drift, Shad	240,293	\$179,770	229	1.00%	62,689	0.25	1	31	11	11	21	21	21	21
	Lines Hand, Other Still Fishing Bottom	405,852	\$513,900	32	0.10%	8,760	6	0	31	11	11	41	21	21	21
	Otter Trawl Bottom, Crab	946,914	\$598,109	26	2.70%	42,705	0.25	0	41	41	41	41	41	21	21
	Gill Nets, Drift, Other	1,820	\$3,582	14	1.00%	3,833	0.25	0	31	11	11	21	21	21	21
	Otter Trawl Bottom, Fish	16,079	\$17,260	4	2.70%	6,570	0.25	0	41	41	41	41	41	21	21
	Lines Long, Reel Fish Bottom Waters	18,951	\$25,364	3	0.10%	821	6	0	31	11	11	41	21	21	21
	Cast Nets	490	\$239	2	0.01%	548	1	0	41	11	41	41	21	21	41
	Rakes, Other	1,700	\$13,290	NA	0.01%	NA	0	0	41	41	41	41	41	41	41
	Spears	1,001	\$1,458	NA	0.01%	NA	0	0	41	41	41	41	41	41	21

Appendix Table 11: Lost Gear Interaction Matrix for the Territory of Guam.

GUAM	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
Lines Hand, Rockfish	8,902	\$17,113	4,764	50.00%	26,260	1.0	2,382	41	31	31	31	21	41	41	41	41
Lines Hand, Tuna/Jacks	198,627	\$288,963	1,188	35.00%	21,371	0.1	42	41	31	31	31	41	41	41	41	41
Combined Gears	82	\$100	NA	0.10%	6,847	1	7	31	31	31	31	31	31	41	41	41
Spears	11,802	\$22,908	NA	0.00%	1,259	3	0	41	41	41	41	41	41	41	41	21
Cast Nets	94	\$141	NA	0.00%	5,518	0	0	41	41	41	41	41	41	41	41	41

Appendix Table 12: Lost Gear Interaction Matrix for the State of Hawaii.

HAWAII	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MAMMALS	BIRDS	REPTILES	TARGET	BY-CATCH	ECON	AESTHETIC SAFETY
GEAR NAME														
Endcircling Nets(Purse)	18	\$24	NA	NA	NA	NA	NA	41	41	41	41	41	41	21
Bag Nets	42,805	\$45,474	NA	NA	NA	NA	NA	41	41	41	41	41	41	21
Pots and Traps, Crab, Other	7,366	\$26,468	NA	NA	NA	NA	NA	41	41	41	21	21	41	21
Pots and Traps, Fish	3,810	\$4,828	NA	NA	NA	NA	NA	41	41	41	21	21	41	21
Pots and Traps, Shrimp	900	\$1,300	NA	NA	NA	NA	NA	41	41	41	21	21	41	21
Lines Hand, Tuna/Jacks	7,123,077	\$10,024,463	NA	NA	NA	NA	NA	41	31	41	41	41	41	41
Lines Hand, Rockfish	994,139	\$3,167,594	NA	NA	NA	NA	NA	10	11	31	41	41	41	41
Lines Power Troll, Tuna	1,672,933	\$2,801,527	NA	NA	NA	NA	NA	41	11	41	41	41	41	41
Pole and Line	19,885	\$23,057	NA	NA	NA	NA	NA	41	11	31	41	41	41	41
Lines Long Set with Hooks Top Walters	24,112	\$28,802	NA	NA	NA	NA	NA	11	11	41	41	41	41	41
Dip Nets, Common	46	\$300	NA	NA	NA	NA	NA	41	41	41	41	41	41	41
Lift Nets	279,406	\$437,394	NA	NA	NA	NA	NA	41	41	41	41	41	41	21
Reef Nets	463,155	\$869,890	NA	NA	NA	NA	NA	41	31	31	21	21	41	21
Cast Nets	9,235	\$10,146	NA	NA	NA	NA	NA	41	41	41	41	41	41	21
Spears	90,850	\$116,734	NA	NA	NA	NA	NA	41	41	41	41	41	41	21
By Hand, Other	40,502	\$72,822	NA	NA	NA	NA	NA	41	41	41	41	41	41	41
Other Gear, Hawaii	1,232	\$1,385	NA	NA	NA	NA	NA	41	41	41	41	41	41	41
Pots and Traps, Lobster	969,007	\$3,988,000	10,000	10.00%	804,723	3	3,000	41	41	41	21	21	41	41

Appendix Table 13: Lost Gear Interaction Matrix for the State of Illinois.

LAKE MICHIGAN GEAR	1988 ROUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT		PERCENT OF AVAILABLE GEAR LOST PER YEAR		# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR		LOST GEAR INTERACTION FACTOR	MONTHS/YEAR									
			DEPLOYMENT	4	1.00%	1095	6	0.24	41	31	31	21	11	11	21	21	21	21	21	21
2 inch gill net	237,566	\$304,127		4	1.00%	1095	6	0.24	41	31	31	21	11	11	21	21	21	21	21	21

Appendix Table 14: Lost Gear Interaction Matrix for the State of Indiana.

INDIANA LAKE MICHIGAN GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	PERCENT OF DEPLOYED GEAR LOST PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
2 inch gill, LM*	1,419,181	\$1,785,986	20	1.00%	5,475	0.004%	6	1		41	31	31	21	11	11	21	21
Fyke, LM	57,235	\$75,655	NA	0.10%	NA	NA	NA	NA		41	31	31	21	21	21	41	41
Hoop/drop net, LM	17,430	\$24,374	NA	NA	NA	NA	NA	NA		41	31	31	21	21	21	41	41
Otter trawl, LM	10	\$228	NA	10.00%	NA	NA	NA	NA		41	41	41	41	21	21	41	21
Shallow trap, LM	27,916	\$32,251	NA	0.10%	NA	NA	NA	NA		41	31	31	21	21	21	21	21

* Indiana banned the use of gillnets in Lake Michigan waters as of January 1, 1989

Appendix Table 15: Lost Gear Interaction Matrix for the State of Louisiana.

LOUISIANA GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR Mammals Birds Reptiles Target By-catch Econ Aesthetic Safety									
								NA	41	11	11	21	21	21	21	21	21
Brush Traps	62,117	\$150,099	32,185	NA	8,810,844	NA	NA	NA	41	11	11	21	21	21	21	21	21
Dip Nets, Common	34,146	\$1,704	200	0.01%	NA	1	NA	1	41	41	41	41	41	41	41	41	21
Haul Seines, Long	653,578	\$122,241	59	0.10%	NA	1	NA	1	41	41	41	41	21	21	21	21	21
Roller Trawl, GOM Shrimp	38075	71394	NA	2.70%	NA	0.25	NA	0.25	41	41	41	41	21	21	21	41	21
Pots and Traps, Crab/Blue	52,332,727	\$20,308,918	279,169	10.00%	76,422,514	12	335,002.80	12	41	11	11	11	21	21	11	21	11
Pots and Traps, Fish	486,038	\$223,306	2,920	10.00%	799,350	12	3,504.00	12	41	11	11	21	21	21	21	21	21
Gill Nets, Other	8,922,040	\$5,907,699	890	1.00%	243,638	12	106.80	12	31	11	11	21	11	11	21	21	21
Otter Trawl Bottom, Shrimp	70,933,231	\$170,675,506	14,367	2.70%	3,932,966	0.25	96.98	0.25	41	41	41	41	41	41	21	41	21
Trammel Nets	2,734,273	\$1,956,169	147	1.00%	40,241	12	17.64	12	31	11	11	21	21	21	21	21	21
Lines Hand, Other Still Fishing Bottom	2,952,137	\$4,466,618	1,662	0.10%	454,973	6	9.97	6	31	11	11	41	21	21	21	21	21
Lines Long Set with Hooks Top Waters	8,750,285	\$15,124,948	847	0.10%	231,866	6	1.60	6	31	11	11	21	21	21	21	21	21
Fyke and Hoop Nets, Fish	2,918,417	\$1,260,892	3,198	0.10%	875,453	0.5	1.55	0.5	41	41	41	41	21	21	21	21	21
Lines Troll, Other Top Waters	554,051	\$479,855	258	0.10%	70,828	6	0.45	6	41	41	41	41	21	21	21	21	21
Butterfly Nets	7,456,616	\$14,810,178	1,815	0.10%	496,956	0.25	0.45	0.25	41	41	41	41	21	21	21	21	21
Lines Long, Reef Fish Bottom Waters	1,009,094	\$1,529,478	68	0.10%	18,815	6	0.41	6	31	11	11	41	21	21	21	21	21
Gill Nets, Drift, Runaround	5,200,948	\$2,829,155	199	0.10%	54,476	0.25	0.05	0.25	31	11	11	21	21	21	21	21	21
Purse Seines, Menhaden	1,590,667,097	\$54,683,524	63	0.10%	103,478	0.25	0.02	0.25	41	41	41	41	41	41	41	41	21
Purse Seines, Other	10,220,256	\$412,433	38	0.10%	62,415	0.25	0.01	0.25	41	41	41	41	41	41	41	41	21
Cast Nets	321,965	\$58,924	8	0.01%	2,190	1	0.00	1	41	11	41	41	21	21	21	21	21
Dredges, Oyster Common	11,760,469	\$30,377,504	1,097	0.10%	300,304	0	0.00	0	41	41	41	41	41	41	41	41	41
Tongs & Grabs, Oyster	202,083	\$516,231	239	0.01%	65,426	0	0.00	0	41	41	41	41	41	41	41	41	41

Appendix Table 16: Lost Gear Interaction Matrix for the State of Maine.

MAINE	1987	1987	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR AVAILABLE PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
GEAR NAME	POUNDS	DOLLARS	DEPLOYMENT	PER YEAR	PER YEAR	PER YEAR	PER YEAR	PER YEAR	PER YEAR	PER YEAR	PER YEAR	PER YEAR	PER YEAR	PER YEAR	PER YEAR	PER YEAR
Bag Nets	4,500	\$2,522	NA	NA	NA	NA	NA	NA	31	31	11	41	21	21	21	21
Otter Trawl Midwater	1,093,400	\$373,135	NA	0.01%	NA	0	NA	NA	41	41	41	41	41	21	41	21
Pois and Traps, Lobster Offshore	175,600	\$633,244	NA	25.00%	NA	NA	NA	NA	11	31	11	11	21	11	21	21
Purse Seines, Other	200	\$23	NA	0.10%	NA	NA	NA	NA	41	41	41	41	41	21	41	21
Pois and Traps, Lobster Inshore	22,438,000	\$54,620,488	1,787,795	25.00%	171,628,320	12	5,363,385	11	31	11	11	11	21	11	11	11
Pois and Traps, Crab, Other	456,700	\$94,955	11,320	10.00%	1,358,400	12	13,584	11	31	11	11	11	21	11	11	21
Pois and Traps, Shrimp	374,100	\$422,167	10,620	10.00%	1,115,100	12	12,744	11	31	11	11	21	21	21	21	21
Gill Nets, Other	13,273,700	\$5,898,129	51	1.00%	13,981	12	6	11	31	11	11	21	11	11	21	21
Otter Trawl Bottom, Shrimp	9,432,200	\$9,860,198	143	2.70%	77,220	0.25	1	41	41	41	41	41	41	21	41	21
Otter Trawl Bottom, Fish	45,034,100	\$32,202,625	88	2.70%	144,540	0.25	1	41	41	41	41	41	41	21	41	21
Lines Hand, Other Still Fishing Bottom	196,000	\$188,386	49	0.10%	13,414	6	<0.5	11	31	11	11	41	21	21	21	21
Lines Long Set with Hooks Top Waters	952,900	\$1,534,470	42	0.10%	11,498	6	<0.5	11	31	11	11	41	21	21	21	21
Purse Seines, Herring	41,743,000	\$2,324,427	100	0.10%	31,500	0.25	<0.5	41	41	41	41	41	41	21	21	21
Stop Seines	2,700,300	\$186,784	20	0.10%	5,475	0.25	<0.5	41	41	41	41	41	41	21	41	21
Dip Nets, Common	792,000	\$58,417	47	0.01%	12,866	1	<0.5	41	41	41	41	41	41	41	41	41
Scottish Seine	448,900	\$402,901	12	0.10%	3,285	0.25	<0.5	41	41	41	41	41	41	21	41	21
Floating traps(Shallow)	84,000	\$27,066	2	0.10%	315	0.5	<0.5	31	31	11	11	21	21	21	21	21
Purse Seines, Mackerel	13,300	\$6,266	2	0.10%	630	0.25	<0.5	41	41	41	41	41	41	21	41	21
Purse Seines, Menhaden	18,668,600	\$347,500	2	0.10%	630	0.25	<0.5	41	41	41	41	41	41	21	41	21
Diving Outfits, Other	707,600	\$226,234	273	0.01%	74,734	0	<0.5	41	41	41	41	41	41	41	41	41
Dredges, Clam	1,220,200	\$2,839,894	91	0.10%	24,911	0	<0.5	41	41	41	41	41	41	41	41	41
Dredges, Mussel	5,784,300	\$1,927,894	105	0.10%	28,744	0	<0.5	41	41	41	41	41	41	41	41	41
Dredges, Other	147,800	\$111,820	11	0.10%	3,011	0	<0.5	41	41	41	41	41	41	41	41	41
Dredges, Oyster Common	257,600	\$326,050	45	0.10%	12,319	0	<0.5	41	41	41	41	41	41	41	41	41
Dredges, Scallop, Sea	1,866,600	\$6,046,237	302	0.10%	82,673	0	<0.5	41	41	41	41	41	41	41	41	41
Harpoons, Other	79,000	\$320,107	63	NA	NA	0	<0.5	41	41	41	41	41	41	41	41	21
Hoes	3,737,400	\$11,568,892	4,203	NA	NA	0	<0.5	41	41	41	41	41	41	41	41	21
Rakes, Other	2,200	\$436	146	0.01%	39,968	0	<0.5	41	41	41	41	41	41	41	41	41

Appendix Table 17: Lost Gear Interaction Matrix for the State of Maryland.

MARYLAND	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
3-11 Nets, Stake	101,600	\$42,989	NA	1.00%	NA	12	NA	11	31	11	21	11	11	21	21
Round Nets, Crab	46,200	\$63,197	NA	NA	NA	NA	NA	31	31	11	21	21	21	21	21
Trap Nets	59,700	\$36,633	NA	0.10%	NA	NA	NA	31	31	11	21	21	21	41	21
Pots and Traps, Crab/Blue	30,197,900	\$15,406,212	450,000	10.00%	91,125,000	12	540,000	31	31	11	11	21	11	11	11
Pots and Traps, Fish	1,019,700	\$586,171	10,985	10.00%	1,318,200	12	13,182	31	31	11	21	21	21	21	21
Pots and Traps, Lobster Offshore	57,500	\$169,069	4,300	25.00%	412,800	12	12,900	11	31	11	11	21	11	21	21
Pots and Traps, Eel	103,000	\$76,143	420	10.00%	75,600	12	504	31	31	11	21	21	21	21	21
Pots and Traps, Other	23,300	\$29,125	60	10.00%	18,425	12	72	31	31	11	21	21	21	21	21
3-11 Nets, Other	306,500	\$85,950	586	1.00%	160,418	12	70	11	31	11	21	11	11	21	21
Lines Long Set with Hooks Top Waters	650,300	\$1,905,174	9,945	0.10%	2,722,444	6	60	31	31	11	41	21	21	21	21
Lines Trot with Balls	15,191,400	\$7,910,290	3,348	0.10%	527,310	6	20	31	31	11	41	41	41	21	21
Fyke and Hoop Nets, Fish	811,700	\$292,522	2,212	0.10%	605,535	0.5	1	31	31	11	21	21	21	21	21
Other Trawl Bottom, Fish	837,200	\$459,478	27	2.70%	44,348	0.25	<0.5	41	41	41	41	41	41	21	21
3-11 Nets, Drift, Other	307,800	\$119,825	42	1.00%	11,498	0.25	<0.5	11	31	11	21	11	11	21	21
Round Nets, Fish	6,844,800	\$624,215	147	0.10%	14,913	0.5	<0.5	31	31	11	21	21	21	41	21
Other Trawl Bottom, Scallop	45,300	\$177,557	6	2.70%	9,855	0.25	<0.5	41	41	41	41	41	41	21	21
Lines Hand, Other Sill Fishing Bottom	433,000	\$185,268	3	0.10%	821	6	<0.5	31	31	11	41	21	21	21	21
Haul Seines, Beach	162,100	\$52,199	9	0.01%	2,464	0.25	<0.5	41	41	41	41	21	21	41	21
Rakes, Oyster	200	\$520	2	0.01%	2	0.5	<0.5	41	41	41	41	41	41	41	41
Diving Outfits, Other	291,600	\$1,035,933	347	0.01%	3,604	0	<0.5	41	41	41	41	41	41	41	41
Dredges, Clam	23,545,500	\$13,525,577	613	0.10%	167,809	0	<0.5	41	41	41	41	41	41	41	41
Dredges, Oyster Common	329,200	\$994,482	153	0.10%	20,655	0	<0.5	41	41	41	41	41	41	41	41
Dredges, Scallop, Bay	2,800	\$1,927	NA	0.10%	NA	0	<0.5	41	41	41	41	41	41	41	41
Dredges, Scallop, Sea	38,300	\$75,937	36	0.10%	9,855	0	<0.5	41	41	41	41	41	41	41	41
Scrapes	709,100	\$1,453,694	NA	0.01%	NA	0	<0.5	41	41	41	41	41	41	41	41
Longs & Grabs, Oyster	2,732,800	\$8,231,100	3,783	0.01%	44,220	0	<0.5	41	41	41	41	41	41	41	41
Longs Patent, Oyster	458,200	\$1,524,125	800	0.01%	6,619	0	<0.5	41	41	41	41	41	41	41	41

Appendix Table 18: Lost Gear Interaction Matrix for the State of Massachusetts.

MASSACHUSETTS	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR/LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
Lines Troll, Tuna	400	\$577	NA	0.10%	NA	6	NA	NA	31	31	11	41	21	21	21	41
Purse Seines, Merhaden	1,213,400	\$36,509	NA	0.10%	NA	0.25	NA	NA	41	41	41	41	41	21	21	41
Purse Seines, Tuna	760,900	\$5,284,257	NA	0.10%	NA	0.25	NA	NA	41	41	41	41	41	21	21	41
Pots and Traps, Lobster Inshore	11,340,200	\$38,299,760	222,531	25.00%	21,362,976	12	667,593	11	31	11	11	11	21	11	11	11
Pots and Traps, Lobster Offshore	3,403,000	\$9,943,681	17,200	25.00%	1,651,200	12	\$1,600	11	31	11	11	11	21	11	21	21
Pots and Traps, Conch	593,800	\$700,300	920	25.00%	77,280	12	2,760	11	31	11	11	21	21	21	21	21
Pots and Traps, Crab/Other	4,820,000	\$2,553,284	1,860	10.00%	178,560	12	2,232	11	31	11	11	21	21	21	21	21
Pots and Traps, Eel	20,800	\$18,937	1,230	10.00%	147,600	12	1,476	11	31	11	11	21	21	21	21	21
Pots and Traps, Fish	402,900	\$443,768	1,000	10.00%	120,450	12	1,200	11	31	11	11	21	21	21	21	21
Gill Nets, Other	18,375,100	\$8,724,671	8,179	100%	2,239,001	12	881	11	31	11	11	21	11	11	11	11
Lines Long Set with Hooks Top Waters	7,462,000	\$12,682,773	29,342	0.10%	8,032,373	6	176	11	31	11	41	21	21	21	21	21
Lines Hand, Other Still Fishing Bottom	2,090,200	\$4,440,109	4,363	0.10%	1,194,371	6	26	31	31	11	41	21	21	21	21	21
Lines Troll, Other Top Waters	122,500	\$53,767	920	0.10%	251,850	6	6	31	31	11	41	21	21	21	21	21
Oter Trawl Bottom, Fish	130,247,500	\$102,053,345	470	270%	771,975	0.25	3	41	41	41	41	41	41	21	21	41
Oter Trawl Bottom, Shrimp	4,014,000	\$3,366,813	76	270%	61,560	0.25	1	41	41	41	41	41	41	21	21	41
Gill Nets, Drift, Other	173,700	\$112,091	7	100%	1,916	0.25	-0.5	11	31	11	21	11	21	11	11	41
Oter Trawl Bottom, Lobster	141,300	\$383,056	2	270%	3,285	0.25	-0.5	41	41	41	41	41	41	21	21	41
Haul Seines, Long(Danish)	771,500	\$539,291	8	0.10%	2,190	1	-0.5	31	31	11	41	21	21	21	21	41
Pound Nets, Fish	1,930,500	\$1,034,936	15	0.10%	4,106	0.5	-0.5	31	31	11	21	21	21	21	21	21
Dip Nets, Common	38,200	\$86,973	55	0.01%	15,056	1	-0.5	41	41	41	41	41	41	21	21	41
Purse Seines, Herring	38,758,400	\$1,760,669	11	0.10%	6,023	0.25	-0.5	41	41	41	41	41	41	21	21	41
Floating traps(Shallow)	78,300	\$19,327	3	0.10%	821	0.5	-0.5	31	31	41	21	21	21	21	21	41
Trawl Midwater, Paired	469,100	\$437,827	3	0.10%	4,928	0.25	-0.5	41	41	41	41	41	41	21	21	41
Gill Nets, Drift, Runaround	115,900	\$12,356	1	0.10%	274	0.25	-0.5	11	31	11	21	21	21	21	21	41
Scottish Seine	72,700	\$32,247	1	0.10%	274	0.25	-0.5	41	41	41	41	41	41	41	41	41
Haul Seines, Beach	13,500	\$4,450	2	0.01%	548	0.25	-0.5	41	41	41	41	41	41	41	41	41
Diving Outfits, Other	25,900	\$80,246	14	0.01%	3,833	0	-0.5	41	41	41	41	41	41	41	41	41
Dredges, Clam	4,140,600	\$3,276,146	115	0.10%	31,481	0	-0.5	41	41	41	41	41	41	41	41	41
Dredges, Clam, Hydraulic	432,400	\$203,480	2	0.10%	548	0	-0.5	41	41	41	41	41	41	41	41	41
Dredges, Crab	26,000	\$100,000	NA	0.10%	NA	0	-0.5	41	41	41	41	41	41	41	41	41
Dredges, Mussel	2,105,600	\$1,271,924	168	0.10%	45,990	0	-0.5	41	41	41	41	41	41	41	41	41
Dredges, Oyster Common	26,900	\$201,131	64	0.10%	17,520	0	-0.5	41	41	41	41	41	41	41	41	41
Dredges, Scallop, Bay	328,000	\$2,725,101	2,804	0.10%	767,595	0	-0.5	41	41	41	41	41	41	41	41	41
Dredges, Scallop, Sea	21,003,300	\$76,290,926	264	0.10%	72,270	0	-0.5	41	41	41	41	41	41	41	41	41
Harpoons, Other	171,200	\$906,398	NA	NA	NA	0	-0.5	41	41	41	41	41	41	41	41	41
Harpoons, Swordfish	39,100	\$167,690	6	NA	NA	0	-0.5	41	41	41	41	41	41	41	41	41
Hoes	447,800	\$1,678,045	302	0.01%	82,673	0	-0.5	41	41	41	41	41	41	41	41	41
Rakes, Other	1,339,300	\$5,591,115	1,088	0.01%	297,840	0	-0.5	41	41	41	41	41	41	41	41	41
Rakes, Oyster	25,100	\$270,858	130	0.01%	35,588	0	-0.5	41	41	41	41	41	41	41	41	41
Spears	3,500	\$4,170	9	0.01%	2,464	0	-0.5	41	41	41	41	41	41	41	41	21
Tongs & Grabs, Other	45,400	\$191,124	71	0.01%	19,436	0	-0.5	41	41	41	41	41	41	41	41	41
Tongs & Grabs, Oyster	10,200	\$81,172	82	0.01%	22,448	0	-0.5	41	41	41	41	41	41	41	41	41

Appendix Table 19: Lost Gear Interaction Matrix for the State of Michigan.

MICHIGAN															
LAKE SUPERIOR															
GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	Mammals MONTHS/YEAR	Birds MONTHS/YEAR	Reptiles MONTHS/YEAR	Target By-catch	Econ	Aesthetic Safety		
Gill net, LS	1,391,925	\$1,060,098	82	20.00%	20,603	12		197	41	21	31	21	11	21	21
Trap net, LS	366,417	\$396,923	60	0.10%	10,050	0.5		0	41	21	41	21	21	21	21
LAKE MICHIGAN															
GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	Mammals MONTHS/YEAR	Birds MONTHS/YEAR	Reptiles MONTHS/YEAR	Target By-catch	Econ	Aesthetic Safety		
Gill net, LM	3,379,556	\$2,411,126	105	20.00%	26,381	12		252	41	21	31	21	11	21	21
Trap net, LM	1,973,705	\$1,841,799	220	0.10%	38,775	0.5		0	41	21	41	21	21	21	41
Otter trawl, LM	134,729	\$151,993	1	10.00%	1,508	0.25		0	41	41	41	41	41	41	41
Pound net, LM	1,636,928	\$306,205	20	0.10%	5,025	0.5		0	41	21	31	21	21	21	21
LAKE HURON															
GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	Mammals MONTHS/YEAR	Birds MONTHS/YEAR	Reptiles MONTHS/YEAR	Target By-catch	Econ	Aesthetic Safety		
Hoop/drop net, LH	20,777	\$8,661	NA	NA	NA	NA		NA	41	21	31	21	21	21	41
Gill net, LH	2,414,582	\$2,832,950	40	20.00%	10,050	12		96	41	21	31	21	11	21	21
Trap net, LH	1,007,551	\$667,880	377	0.10%	63,148	0.5		0	41	21	41	21	21	21	41
Set hooks, LH	139,731	\$70,000	10	1.00%	2,513	0.25		0	41	21	31	21	21	21	21
Selma, LH	452,740	\$72,988	10	0.10%	2,513	0.25		0	41	41	31	41	21	21	21
LAKE ERIE															
GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	Mammals MONTHS/YEAR	Birds MONTHS/YEAR	Reptiles MONTHS/YEAR	Target By-catch	Econ	Aesthetic Safety		
Selma, LE	451,262	\$79,751	2	0.10%	503	0.25		0	41	41	31	41	21	21	21

Appendix Table 20: Lost Gear Interaction Matrix for the State of Minnesota.

MINNESOTA GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
Gill Net	151,626	\$72,953	32	10.00%	7,920	12	38		41	31	31	21	11	11	21	21
Pound net	164,370	NA	36	0.10%	6,570	0.5	<0.05	41	31	31	31	21	21	21	21	21

Appendix Table 21: Lost Gear Interaction Matrix for the State of Mississippi.

MISSISSIPPI YEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR								Reptiles Target				Econ Aesthetic Safety					
								NA	NA	NA	NA	41	11	41	41	21	21	41	41	21	21	41	21	21	41
Cast Nets	520	\$177	1	0.01%	NA	NA	NA	NA	NA	41	11	41	41	41	21	21	41	41	21	21	41	21	21	21	21
Butterfly Net, GOM Shrimp	9,958	\$21,712	NA	0.10%	NA	NA	NA	NA	NA	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Bois and Traps, Crab,Blue	1,230,029	\$422,937	4500	10.00%	1,231,875	12	5,400.00	12	5,400.00	41	11	11	11	21	21	21	21	21	21	21	21	21	21	21	11
Other Trawl Bottom, Shrimp	8,121,603	\$26,794,033	1668	2.70%	2,739,690	0.25	11.26	0.25	11.26	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Curse Seines, Menhaden	380,798,520	\$14,521,325	20	0.10%	32,850	0.25	0.01	0.25	0.01	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Lines Hand, Other Still Fishing Bottom	886,484	\$1,240,143	143	0.10%	39,146	6	0.86	6	0.86	31	11	11	11	41	21	21	21	21	21	21	21	21	21	21	21
Other Trawl Bottom, Fish	130,931	\$35,801	69	2.70%	113,333	0.25	0.47	0.25	0.47	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Still Nets, Other	50,527	\$28,648	4	1.00%	1,095	12	0.48	12	0.48	31	11	11	11	21	21	21	21	21	21	21	21	21	21	21	21
Chopsicks, GOM Shrimp	180,888	\$624,951	20	2.70%	32,850	0.25	0.14	0.25	0.14	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Trammel Nets	21,622	\$21,452	6	1.00%	1,643	12	0.72	12	0.72	31	11	11	11	21	21	21	21	21	21	21	21	21	21	21	21
Lines Long Set with Hooks Top Waters	135,730	\$33,932	9	0.10%	2,464	6	0.05	6	0.05	31	11	11	11	41	21	21	21	21	21	21	21	21	21	21	21
Curse Seines, Other	2,414,818	\$567,775	5	0.10%	8,213	0.25	0.00	0.25	0.00	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Still Nets, Drift, Runaround	279,230	\$115,891	12	0.10%	3,285	0.25	0.00	0.25	0.00	31	11	11	11	21	21	21	21	21	21	21	21	21	21	21	21
Redges, Oyster Common	57,983	\$188,200	54	0.10%	14,783	0	0.00	0	0.00	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Spears	2,510	\$2,765	12	0.01%	3,285	0	0.00	0	0.00	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Longs & Grabs, Oyster	74,120	\$238,523	141	0.01%	38,599	0	0.00	0	0.00	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41

Appendix Table 22: Lost Gear Interaction Matrix for the State of New Hampshire.

NEW HAMPSHIRE

NEWHAMPSHIRE

GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR		# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS		LOST GEAR INTERACTION FACTOR	MONTHS/YEAR										By-catch				Econ				Aesthetic Safety																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				PER YEAR	GEAR		PER YEAR	GEAR		MAMMALS	BIRDS	REPTILES	TARGET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Pots and Traps, Lobster Inshore	666,690	\$1,826,236	87,200	25.00%	8,371,200		12		261,600	11	31	11	11	21	11	21	11	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	

Appendix Table 23: Lost Gear Interaction Matrix for the State of New Jersey.

NEW JERSEY	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED	PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
	Pots and Traps, Lobster Inshore	1,613,100	\$3,951,726	9,600	25.00%	921,600	12	28,800	11	31	11	11	21	11	11	11	21
	Pots and Traps, Lobster Offshore	158,000	\$412,720	4,725	25.00%	453,600	12	14,175	11	31	11	11	21	11	21	11	41
	Pots and Traps, Crab, Blue	2,014,700	\$1,068,628	9,450	10.00%	1,913,625	12	11,340	31	31	11	11	21	11	11	11	21
	Pots and Traps, Fish	344,400	\$227,278	7,960	10.00%	2,179,050	12	9,552	11	31	11	11	21	21	21	21	41
	Pots and Traps, Eel	184,100	\$219,709	2,010	10.00%	550,238	12	2,412	11	31	11	11	21	21	21	21	41
	Lines Long Set with Hooks Top Waters	3,580,900	\$7,238,463	704	0.10%	192,720	6	4	11	31	11	11	41	21	21	21	41
	Lines Hand, Other Still Fishing Bottom	180,900	\$229,376	221	0.10%	60,499	6	1	31	31	11	11	41	21	21	41	41
	Gill Nets, Other	587,100	\$145,409	69	0.10%	18,889	12	1	11	31	11	11	21	11	11	21	21
	Otter Trawl Bottom, Fish	35,442,800	\$14,204,277	70	2.70%	114,975	0.25	<0.5	41	41	41	41	41	41	21	21	41
	Lines Troll, Tuna	11,300	\$15,486	16	0.10%	4,380	6	<0.5	31	31	11	11	41	21	21	41	41
	Otter Trawl Bottom, Scallop	172,600	\$636,459	13	2.70%	21,353	0.25	<0.5	41	41	41	41	41	41	21	41	41
	Gill Nets, Drift, Other	694,900	\$174,813	32	1.00%	8,760	0.25	<0.5	11	31	11	11	21	11	11	21	41
	Lines Troll, Other Top Waters	5,800	\$1,746	12	0.10%	3,285	6	<0.5	31	31	11	11	41	21	21	41	41
	Fyke and Hoop Nets, Fish	44,300	\$37,568	95	0.10%	26,006	0.5	<0.5	41	31	11	11	41	21	21	41	41
	Gill Nets, Drift, Runaround	1,909,000	\$739,420	14	0.10%	3,893	0.25	<0.5	11	31	11	11	21	21	21	41	41
	Pound Nets, Fish	2,032,400	\$296,752	2	0.10%	548	0.5	<0.5	11	31	11	11	21	21	21	41	41
	Purse Seines, Menhaden	664,600	\$46,445	1	0.10%	360	0.25	<0.5	41	41	41	41	41	41	41	41	41
	Purse Seines, Tuna	11,000	\$8,259	1	0.10%	548	0.25	<0.5	41	41	41	41	41	41	41	41	41
	Haul Seines, Beach	32,200	\$19,061	3	0.01%	821	0.25	<0.5	41	41	41	41	41	41	41	41	41
	Dredges, Clam	60,236,700	\$23,516,897	115	0.10%	31,481	0	<0.5	41	41	41	41	41	41	41	41	41
	Dredges, Crab	926,200	\$448,849	116	0.10%	9,135	0	<0.5	41	41	41	41	41	41	41	41	41
	Dredges, Oyster Common	14,500	\$61,374	12	0.10%	3,285	0	<0.5	41	41	41	41	41	41	41	41	41
	Dredges, Scallop, Sea	3,750,500	\$13,053,888	100	0.10%	27,375	0	<0.5	41	41	41	41	41	41	41	41	41
	Hoes	50,500	\$111,122	30	0.01%	8,213	0	<0.5	41	41	41	41	41	41	41	41	41
	Rakes, Other	826,000	\$3,230,947	729	0.01%	199,584	0	<0.5	41	41	41	41	41	41	41	41	41
	Tongs & Grabs, Other	140,100	\$524,598	205	0.01%	56,119	0	<0.5	41	41	41	41	41	41	41	41	41
	Tongs & Grabs, Oyster	100	\$690	1	0.01%	274	0	<0.5	41	41	41	41	41	41	41	41	41

Appendix Table 24: Lost Gear Interaction Matrix for the State of New York, Great Lakes.

NEW YORK GREAT LAKES

LAKE ERIE

GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
Fyke net	8,194	\$15,360	20	0.10%	2,700	0.5	0.01	41	21	31	21	21	21	21	21
Trap net	3,828	\$2,280	8	0.10%	1,080	0.5	0.00	41	21	31	21	21	21	21	21

LAKE ONTARIO

GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
Gill net	62,892	\$84,411	NA	10.00%	624	6	3.00	41	21	31	21	21	11	11	21
Fyke net	9,649	\$9,066	NA	0.10%	640	0.5	0.00	41	21	31	21	21	21	21	21
Selne	4,236	\$4,659	NA	0.10%	18	0.5	0.00	41	41	31	41	21	21	21	21
Trap net	58,041	\$30,470	NA	0.10%	2,181	0.5	0.01	41	21	31	21	21	21	21	21

Appendix Table 25: Lost Gear Interaction Matrix for the State of New York, Marine.

NEW YORK, MARINE

GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
Gill Nets, Drift, Other	48,100	\$178,647	NA	1.00%	NA	NA	NA	NA	11	31	11	21	21	21	21
Trawl Bottom, Paired	10,100	\$6,024	NA	NA	NA	NA	NA	NA	41	41	41	41	41	41	41
Pots and Traps, Lobster Inshore	953,800	\$2,922,781	77735	25.00%	7,462,550	12	233,205	233,205	11	31	11	11	21	11	21
Pots and Traps, Lobster Offshore	271,400	\$855,585	8800	25.00%	844,800	12	26,400	26,400	11	31	11	11	21	11	21
Pots and Traps, Conch	146,300	\$158,834	7450	25.00%	715,200	12	22,350	22,350	11	31	11	11	21	11	21
Pots and Traps, Crab/Blue	301,265	\$177,315	5734	10.00%	1,161,135	12	6,881	6,881	31	31	11	11	21	11	21
Pots and Traps, Eel	60,600	\$88,948	1400	10.00%	383,250	12	1,680	1,680	11	31	11	21	21	21	21
Gill Nets, Other	1,431,785	\$552,779	346	1.00%	94,718	12	42	42	11	31	11	21	21	11	21
Lines Long Set with Hooks Top Waters	6,101,200	\$8,936,296	6321	0.10%	1,730,374	6	38	38	11	31	11	41	21	21	21
Lines Hand, Other Still Fishing Bottom	1,726,400	\$2,295,462	3260	0.10%	892,425	6	20	20	31	31	11	41	21	21	21
Otter Trawl Bottom, Fish	21,919,100	\$15,534,360	74	2.70%	121,545	0.25	<0.5	<0.5	41	41	41	41	41	21	41
Gill Nets, Drift, Shad	148,557	\$32,900	40	1.00%	10,950	0.25	<0.5	<0.5	11	31	11	21	21	21	41
Fyke and Hoop Nets, Fish	102,800	\$111,015	74	0.10%	20,258	0.5	<0.5	<0.5	11	31	11	21	21	21	41
Pound Nets, Fish	743,800	\$395,608	70	0.10%	19,163	0.25	<0.5	<0.5	41	41	41	41	41	21	41
Otter Trawl Bottom, Scallop	66,000	\$218,894	3	2.70%	4,928	0.25	<0.5	<0.5	41	41	41	41	41	21	41
Otter Trawl Bottom, Lobster	48,300	\$73,375	2	2.70%	2,160	0.25	<0.5	<0.5	41	41	41	41	41	21	41
Haul Seines, Beach	293,250	\$195,462	12	0.10%	3,285	0.25	<0.5	<0.5	41	41	41	41	41	41	41
Gill Nets, Drift, Runaround	4,700	\$1,281	2	0.10%	548	0.25	<0.5	<0.5	11	31	11	21	21	21	41
Dredges, Clam	3,560,800	\$5,133,548	124	0.10%	33,945	0	<0.5	<0.5	41	41	41	41	41	41	41
Dredges, Crab	6,600	\$4,980	31	0.10%	8,486	0	<0.5	<0.5	41	41	41	41	41	41	41
Dredges, Oyster Common	133,800	\$834,286	17	0.10%	4,654	0	<0.5	<0.5	41	41	41	41	41	41	41
Dredges, Scallop, Bay	1,000	\$3,142	30	0.10%	8,213	0	<0.5	<0.5	41	41	41	41	41	41	41
Dredges, Scallop, Sea	49,200	\$205,716	27	0.10%	7,391	0	<0.5	<0.5	41	41	41	41	41	41	41
Rakes, Other	1,041,900	\$5,888,896	1537	0.01%	420,754	0	<0.5	<0.5	41	41	41	41	41	41	41
Spears	500	\$762	20	0.01%	5,475	0	<0.5	<0.5	41	41	41	41	41	41	41
Tongs & Grabs, Other	1,424,100	\$8,279,918	1024	0.01%	280,320	0	<0.5	<0.5	41	41	41	41	41	41	41

Appendix Table 26: Lost Gear Interaction Matrix for the State of North Carolina.

GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST	PER YEAR	# OF GEAR DEPLOYED	INTERACTION MONTHS PER LOST	LOST GEAR INTERACTION FACTOR	MONTHS-YEAR										Target By-catch Econ Aesthetic Safety											
									NA	23,625	NA	NA	31	31	11	11	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Bag Nets	198,478	\$374,359	175	NA	NA	23,625	NA	NA	NA	23,625	NA	NA	31	31	11	11	21	21	21	21	21	21	21	21	21	21	21	21	21	41
Pots and Traps, Crab, Blue	30,671,858	\$8,914,215	437,068	10.00%	10.00%	88,506,270	12	524,482	524,482	88,506,270	12	524,482	31	31	11	11	21	21	21	21	21	21	21	21	21	21	21	21	21	11
Pots and Traps, Eel	123,787	\$218,659	6,650	10.00%	10.00%	1,820,438	12	7,980	7,980	1,820,438	12	7,980	31	31	11	11	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Pots and Traps, Fish	320,944	\$272,072	3,096	10.00%	10.00%	847,530	12	3,715	3,715	847,530	12	3,715	31	31	11	11	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Gill Nets, Other	18,167,262	\$6,843,039	9,508	1.00%	1.00%	2,602,915	12	1,141	1,141	2,602,915	12	1,141	11	31	11	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Pots and Traps, Turtle	164	\$57	45	10.00%	10.00%	12,319	12	54	54	12,319	12	54	31	31	11	11	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Other Trawl Bottom, Shrimp	5,641,668	\$8,524,360	3,160	2.70%	2.70%	3,412,800	0.25	21	21	3,412,800	0.25	21	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Lines Hand, Other Sill Fishing Bottom	1,672,205	\$2,144,012	1,153	0.10%	0.10%	315,634	6	7	7	315,634	6	7	31	31	11	11	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Lines Troll, Other Top Waters	2,248,838	\$2,221,722	697	0.10%	0.10%	172,508	6	4	4	172,508	6	4	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Other Trawl Bottom, Other	258,768	\$1,588,427	579	2.70%	2.70%	951,008	0.25	4	4	951,008	0.25	4	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Other Trawl Bottom, Crab	1,544,971	\$865,606	458	2.70%	2.70%	247,320	0.25	3	3	247,320	0.25	3	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Pound Nets, Fish	9,167,131	\$3,327,273	5,367	0.10%	0.10%	362,273	0.5	3	3	362,273	0.5	3	31	31	11	11	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Other Trawl Bottom, Fish	15,712,892	\$8,911,360	285	2.70%	2.70%	488,113	0.25	2	2	488,113	0.25	2	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Lines Long Set with Hooks Top Waters	269,235	\$203,999	225	0.10%	0.10%	61,594	6	1	1	61,594	6	1	31	31	11	11	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Gill Nets, Drift, Runaround	541,571	\$159,025	784	0.10%	0.10%	214,620	0.25	<0.5	<0.5	214,620	0.25	<0.5	31	31	11	11	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Lines Trot with Bails	35,500	\$6,770	15	0.10%	0.10%	4,106	6	<0.5	<0.5	4,106	6	<0.5	31	31	11	11	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Lines Long, Reef Fish Bottom Waters	302,712	\$409,788	7	0.10%	0.10%	1,916	6	<0.5	<0.5	1,916	6	<0.5	31	31	11	11	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Gill Nets, Drift, Shad	13,813	\$10,944	16	1.00%	1.00%	4,380	0.25	<0.5	<0.5	4,380	0.25	<0.5	31	31	11	11	21	21	21	21	21	21	21	21	21	21	21	21	21	21
Other Trawl Bottom, Scallop	1,977,689	\$5,729,415	4	2.70%	2.70%	2,160	0.25	<0.5	<0.5	2,160	0.25	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Haul Seines, Long	8,466,332	\$1,931,790	20	0.10%	0.10%	2,700	1	<0.5	<0.5	2,700	1	<0.5	31	31	11	11	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Butterfly Nets	8,515	\$16,741	25	0.10%	0.10%	4,500	0.25	<0.5	<0.5	4,500	0.25	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Purse Seines, Menhaden	3,186,810	\$166,358	14	0.10%	0.10%	20,790	0.25	<0.5	<0.5	20,790	0.25	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Haul Seines, Beach	1,344,189	\$383,625	32	0.01%	0.01%	25,920	0.25	<0.5	<0.5	25,920	0.25	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Dip Nets, Common	43	\$137	5	0.01%	0.01%	1,369	1	<0.5	<0.5	1,369	1	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Dredges, Clam	50,353	\$318,856	27	0.10%	0.10%	2,430	0	<0.5	<0.5	2,430	0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Dredges, Crab	29,599	\$14,800	8	0.10%	0.10%	900	0	<0.5	<0.5	900	0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Dredges, Oyster Common	1,132,880	\$2,185,094	386	0.10%	0.10%	43,425	0	<0.5	<0.5	43,425	0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Dredges, Scallop, Bay	144,726	\$457,172	1,254	0.10%	0.10%	47,025	0	<0.5	<0.5	47,025	0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Dredges, Scallop, Sea	339,108	\$1,248,107	NA	0.10%	0.10%	NA	0	<0.5	<0.5	NA	0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Rakes, Other	913,889	\$5,736,425	2,063	0.01%	0.01%	564,746	0	<0.5	<0.5	564,746	0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Rakes, Oyster	63,586	\$123,411	317	0.01%	0.01%	57,060	0	<0.5	<0.5	57,060	0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Spears	86,107	\$122,706	294	0.01%	0.01%	80,483	0	<0.5	<0.5	80,483	0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21
Tongs & Grabs, Other	10,148	\$66,392	63	0.01%	0.01%	17,246	0	<0.5	<0.5	17,246	0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
Tongs & Grabs, Oyster	130,755	\$269,072	653	0.01%	0.01%	117,540	0	<0.5	<0.5	117,540	0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41

Appendix Table 27: Lost Gear Interaction Matrix for the Northern Mariana Islands.

NORTHERN MARIANA ISLANDS																						
GEAR NAME	1987 ROUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	Mammals			Birds			Reptiles			Target By-catch			Econ Aesthetic Safety		
Pots and Traps, Shrimp	4	\$8	NA	NA	NA	NA	NA		41	41	41	41	41	41	41	41	41	41	41	41	41	41
Cast Nets	822	\$1,411	NA	NA	NA	NA	NA		41	41	41	41	41	41	41	41	41	41	41	41	41	41
By Hand, Other	24	\$58	NA	NA	NA	NA	NA		41	41	41	41	41	41	41	41	41	41	41	41	41	41
Combined Gears	6,275	\$9,339	NA	NA	NA	NA	NA		31	31	31	31	31	31	31	31	31	31	31	31	31	31
Lines Hand, Rockfish	39,286	\$70,759	43	50.00%	237	1.0	22	41	31	31	31	21	41	41	41	41	41	41	41	41	41	41
Lines Hand, Tuna/Jacks	174,484	\$209,700	180	35.00%	3,237	0.1	6	41	31	31	31	41	41	41	41	41	41	41	41	41	41	41
Spears	86,674	\$148,558	43	0.10%	237	3.0	<0.5	41	41	41	41	41	41	41	41	41	41	41	41	41	41	21

Appendix Table 28: Lost Gear Interaction Matrix for the State of Ohio.

OHIO LK ERIE GEAR	1988		GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION		LOST GEAR INTERACTION FACTOR	MONTHS/YEAR									
	POUNDS	DOLLARS				PER LOST GEAR	MONTHS		Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety		
Shallow trap	1,545,473	\$1,122,701	380	0.10%	39,900	0.5	0.19		41	31	41	21	21	21	21	21	21	
Set hooks	13,787	\$4,396	7	1.00%	630	0.25	0.02		41	41	41	21	21	21	21	21	21	
Selne	1,871,202	\$217,293	17	0.10%	1,913	0.25	0.00		41	41	41	21	21	21	21	21	21	

Appendix Table 29: Lost Gear Interaction Matrix for the State of Oregon.

OREGON GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION		LOST GEAR INTERACTION FACTOR	MONTHS/YEAR											
						PER LOST GEAR	PER LOST GEAR		Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety				
Lampara & Ring Nets, Sardine	354,676	\$233,225	NA		NA		NA	NA	41	41	41	41	41	21	41	41				
Otter Trawl Midwater	See Note 1	See Note 1	NA	NA	NA		NA	NA	21	41	41	41	41	41	21	20				
Gill Nets, Salmon	1,745,432	\$3,687,808	NA	NA	NA		NA	NA	41	31	41	21	21	21	21	41				
Lines Hand, Albacore	151,937	\$127,435	NA	NA	NA		NA	NA	41	41	41	41	41	41	41	41				
Lines with Hooks, Other	632,654	\$199,352	NA	NA	NA		NA	NA	41	41	41	21	41	41	41	41				
Water Pump, Sand Shrimp	109,784	\$154,927	NA	NA	NA		NA	NA	41	41	41	41	41	41	41	41				
Dredges, Scallop, Sea	29,170	\$11,994	NA	NA	NA		NA	NA	41	41	41	41	41	41	41	41				
Shovels	40,455	\$89,797	NA	NA	NA		NA	NA	41	41	41	41	41	41	41	41				
Diving Outfits, Urchin	1,970,706	\$570,573	NA	NA	NA		NA	NA	41	41	41	41	41	41	41	41				
Pots and Traps, Crab/Dungens	9,415,596	\$11,237,613	27,650	18.00%	784,633	1.0	4,977	41	41	41	41	11	21	11	20	21				
Pots and Traps, Fish	2,884,427	\$1,291,660	2,000	11.00%	164,000	3.0	860	41	41	41	41	11	11	11	41	21				
Lines Power Troll, Tuna	3,806,199	\$3,192,399	1,476	5.00%	66,420	0.1	7	41	41	41	41	41	41	41	41	41				
Lines Power Troll, Salmon	9,088,774	\$19,481,269	3,378	1.00%	152,010	0.1	3	41	41	41	41	41	41	41	41	41				
Lines Long, Set with Hooks on Bottom	2,607,030	\$1,836,989	15	20.00%	750	0.5	2	41	41	41	41	21	21	41	41	41				
Crab Ring	43,202	\$84,952	190	5.00%	11,400	0.1	1	41	41	41	41	41	41	41	41	41				
Otter Trawl Bottom, Fish	53,662,094	\$18,173,751	94	5.00%	46,248	0.1	<0.5	21	41	41	41	41	41	41	21	20				
Gill Nets, Drift, Salmon	7,904,694	\$16,561,226	73	0.10%	1,825	3.0	<0.5	21	31	41	41	21	21	21	20	41				
Otter Trawl Bottom, Shrimp	43,366,731	\$17,611,951	76	2.00%	13,984	0.1	<0.5	21	41	41	41	41	41	41	21	20				

Note 1: Midwater otter trawl harvests, effort, and lost gear factors are not available on a state-by-state basis as the large harvests of Pacific whiting are aggregated across state. Please reference the regional summary table for otter trawl harvest, effort, and lost gear interaction indices.

PENNSYLVANIA

LAKE ERIE

GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
Gill net	499,453	\$247,040	8	1.00%	2,190	6	0.48		41	21	31	21	11	11	21	21
Hand seine	6,377	\$16,702	10	0.01%	12,150	0.1	0.00		41	41	41	41	21	21	21	21

Appendix Table 30: Lost Gear Interaction Matrix for the State of Pennsylvania.

Appendix Table 31: Lost Gear Interaction Matrix for the State of Rhode Island.

RHODE ISLAND	GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR							
									Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
	Pots and Traps, Fish	13,100	\$25,888	NA	NA	NA	NA	NA	11	31	11	21	21	21	21	21
	Pots and Traps, Other	100	\$144	NA	NA	NA	NA	NA	11	31	11	21	21	21	21	41
	Purse Seines, Menhaden	16,499,900	\$794,994	NA	NA	NA	NA	NA	41	41	41	41	41	21	41	41
	Purse Seines, Tuna	58,100	\$311,368	NA	NA	NA	NA	NA	41	41	41	41	41	21	41	41
	Trawl Midwater, Paired	161,000	\$118,484	NA	NA	NA	NA	NA	41	41	41	41	41	21	41	41
	Pots and Traps, Lobster Inshore	2,513,200	\$7,573,763	216,925	25.00%	20,824,800	12	650,775	11	31	11	11	21	11	21	21
	Pots and Traps, Lobster Offshore	3,762,600	\$10,328,811	26,400	25.00%	2,534,400	12	79,200	11	31	11	11	21	11	21	41
	Pots and Traps, Conch	201,100	\$425,084	4,175	25.00%	400,800	12	12,525	11	31	11	11	21	11	21	21
	Pots and Traps, Eel	900	\$2,261	280	10.00%	76,650	12	336	11	31	11	21	21	21	21	41
	Gill Nets, Other	676,000	\$444,489	74	1.00%	20,258	12	9	11	31	11	21	11	11	21	21
	Lines Troll, Other Top Waters	151,500	\$111,879	800	0.10%	219,000	6	5	31	31	11	41	21	21	41	41
	Oter Trawl Bottom, Fish	67,915,900	\$36,017,827	81	2.70%	133,043	0.25	1	41	41	41	41	41	21	41	41
	Lines Hand, Other Sill Fishing Bottom	248,700	\$490,637	23	0.10%	6,296	6	<0.5	31	31	11	41	21	21	41	41
	Lines Long Set with Hooks Top Waters	368,200	\$578,326	20	0.10%	5,475	6	<0.5	11	31	11	41	21	21	41	41
	Lines Troll, Tuna	416,700	\$543,279	7	0.10%	1,916	6	<0.5	31	31	11	41	21	21	41	41
	Floating traps(Shallow)	2,869,600	\$714,553	22	0.10%	6,023	0.5	<0.5	31	31	11	41	21	21	41	41
	Fyke and Hoop Nets, Fish	8,600	\$10,681	14	0.10%	3,833	0.5	<0.5	31	31	11	41	21	21	41	41
	Gill Nets, Drift, Other	10,400	\$35,469	1	1.00%	274	0.25	<0.5	11	31	11	41	11	21	41	41
	Oter Trawl Midwater	21,900	\$29,367	1	0.10%	1,643	0.25	<0.5	41	41	41	41	41	21	41	41
	Purse Seines, Herring	4,300	\$642	1	0.10%	274	0.25	<0.5	41	41	41	41	41	21	41	41
Dredges, Clam	3,166,800	\$1,361,819	30	0.10%	8,213	0	<0.5	41	41	41	41	41	41	41	41	
Dredges, Scallop, Sea	1,125,600	\$1,782,850	30	0.10%	8,213	0	<0.5	41	41	41	41	41	41	41	41	
Harpoons, Other	29,300	\$102,208	NA	NA	NA	0	<0.5	41	41	41	41	41	41	41	41	
Harpoons, Swordfish	26,100	\$118,021	3	NA	NA	0	<0.5	41	41	41	41	41	41	41	41	
Hoes	11,800	\$48,605	35	0.01%	9,581	0	<0.5	41	41	41	41	41	41	41	41	
Rakes, Other	3,350,600	\$15,630,085	2,717	0.01%	743,779	0	<0.5	41	41	41	41	41	41	41	41	
Rakes, Oyster	1,800	\$8,441	21	0.01%	5,749	0	<0.5	41	41	41	41	41	41	41	41	

Appendix Table 32: Lost Gear Interaction Matrix for the State of South Carolina.

SOUTH CAROLINA

GEARNAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
Bag Nets	5,799	\$5,693	16	NA	NA	NA	NA	NA	31	31	11	21	21	21	41
Lines Trawl with Balis	3,213	\$3,145	NA	0.10%	NA	6	NA	NA	31	31	11	41	21	21	21
Stop Nets	2,631	\$2,447	1	NA	NA	NA	NA	NA	31	31	11	41	21	21	21
Pots and Traps, Crab, Blue	5,367,847	\$2,158,489	20,149	10.00%	4,080,173	12	24,179	24,179	31	31	11	11	21	11	21
Pots and Traps, Fish	213,737	\$202,224	637	10.00%	174,379	12	764	764	31	31	11	21	21	21	41
Pots and Traps, Crab, Other	14,501	\$15,241	600	10.00%	121,500	12	720	720	31	31	11	21	21	21	41
Gill Nets, Other	375,778	\$232,112	80	1.00%	21,900	12	10	10	11	31	11	21	11	11	21
Otter Trawl Bottom, Shrimp	5,971,524	\$11,795,762	868	2.70%	937,440	0.25	6	6	41	41	41	41	41	21	41
Lines Hand, Other Still Fishing Bottom	1,431,117	\$2,193,982	282	0.10%	77,198	6	2	2	31	31	11	41	21	21	21
Lines Long Set with Hooks Top Waters	373,805	\$1,245,904	22	0.10%	6,023	6	<0.5	<0.5	31	31	11	41	21	21	21
Lines Troll, Other Top Waters	7,690	\$10,829	16	0.10%	2,880	6	<0.5	<0.5	41	31	11	41	21	21	21
Gill Nets, Drift, Shad	370,530	\$266,508	25	1.00%	6,844	0.25	<0.5	<0.5	11	31	11	21	11	11	21
Otter Trawl Bottom, Fish	26,190	\$32,719	4	2.70%	6,570	0.25	<0.5	<0.5	41	41	41	41	41	21	41
Otter Trawl Bottom, Crab	16,561	\$6,897	2	2.70%	1,080	0.25	<0.5	<0.5	41	41	41	41	41	21	41
Gill Nets, Drift, Other	30,135	\$10,047	5	1.00%	1,369	0.25	<0.5	<0.5	11	31	11	21	11	11	21
Cast Nets	162,562	\$260,151	81	0.01%	22,174	1	<0.5	<0.5	41	31	11	41	21	21	41
Fyke and Hoop Nets, Fish	160,417	\$53,486	14	0.10%	3,833	0.5	<0.5	<0.5	31	31	11	21	21	21	41
Lines Long, Reef Fish Bottom Waters	277,555	\$348,597	1	0.10%	274	6	<0.5	<0.5	31	31	11	41	21	21	21
Haul Seines, Beach	156,400	\$69,790	2	0.01%	548	0.25	<0.5	<0.5	41	41	41	41	41	41	41
Diving Outfits, Other	24,664	\$47,443	14	0.01%	3,833	0	<0.5	<0.5	41	41	41	41	41	41	41
Dredges, Clam	39,698	\$144,735	12	0.10%	1,080	0	<0.5	<0.5	41	41	41	41	41	41	41
Dredges, Oyster Common	3,827	\$18,805	6	0.10%	675	0	<0.5	<0.5	41	41	41	41	41	41	41
Rakes, Other	59,678	\$326,254	81	0.01%	22,174	0	<0.5	<0.5	41	41	41	41	41	41	41
Rakes, Oyster	1,231	\$2,737	13	0.01%	2,340	0	<0.5	<0.5	41	41	41	41	41	41	41
Tongs & Grabs, Other	18,596	\$78,161	28	0.01%	5,040	0	<0.5	<0.5	41	41	41	41	41	41	41
Tongs & Grabs, Oyster	2,901	\$12,030	9	0.01%	1,620	0	<0.5	<0.5	41	41	41	41	41	41	41

Appendix Table 33: Lost Gear Interaction Matrix for the State of Texas.

TEXAS GEAR	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
Butterfly Net, GOM Shrimp	932	\$2,563	NA	0.10%	NA	0.25	NA	41	41	41	41	41	21	41	2
Chopsticks, GOM Shrimp	575	\$1,173	NA	2.70%	NA	0.25	NA	41	41	41	41	41	21	41	21
Pots and Traps, Crab, Blue	11,687,700	\$4,872,314	11,000	10.00%	3,011,250	12	13,200	41	11	11	11	21	11	21	11
Otter Trawl, GOM Shrimp	59,067,896	\$188,694,209	13,000	2.70%	21,352,500	0.25	88	41	41	41	41	41	21	41	21
Lines Long, Reef Fish Bottom Waters	137,794	\$277,598	66	0.10%	18,088	6	<0.5	31	11	11	21	21	21	21	21
Lines Long Set with Hooks Top Waters	1,480,983	\$4,391,625	65	0.10%	17,794	6	<0.5	31	11	11	21	21	21	21	21
Purse Seine, Menhaden	110,230,000	\$4,626,400	26	0.10%	42,705	0.25	<0.5	41	41	41	41	41	21	41	21
Dredges, Oyster Common	2,843,600	\$6,799,400	221	0.10%	60,499	0	<0.5	41	41	41	41	41	41	41	41

Appendix Table 35: Lost Gear Interaction Matrix for the State of Washington.

WASHINGTON GEAR NAME	1987 POUNDS	1987 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic Safety
Purse Seines, Herring	1,191,000	\$687,000	NA	NA	NA	NA	NA	NA	41	41	41	41	41	41	41
Lampara & Ring Nets, Sardine	307,000	\$111,000	12	NA	NA	NA	NA	NA	41	41	41	41	41	41	41
Lampara & Ring Nets, Squid	9,000	\$4,000	12	NA	NA	NA	NA	NA	41	41	41	41	41	41	41
Otter Trawl Midwater	See Note 1	See Note 1	NA	NA	NA	NA	NA	NA	21	41	41	41	41	41	21
Gill Nets, Drift, Shad	34,000	\$6,000	9	NA	NA	NA	NA	NA	41	31	41	11	21	11	21
Gill Nets, Sturgeon	462,000	\$594,000	9	NA	NA	NA	NA	NA	41	31	41	11	21	11	21
Dip Nets, Common	1,870,000	\$219,000	24	NA	NA	NA	NA	NA	41	41	41	41	41	41	41
Dredges, Scallop, Sea	39,000	\$52,000	NA	NA	NA	NA	NA	NA	41	41	41	41	41	41	41
Diving Outfits, Other	4,827,000	\$3,899,000	NA	NA	NA	NA	NA	NA	41	41	41	41	41	41	41
Pots and Traps, Crab, Dungeness	7,463,000	\$10,039,730	23,400	18.00%	621,917	1.0	4,212	41	41	41	10	21	10	21	21
Pots and Traps, Fish	1,442,290	\$977,550	4,293	18.00%	120,191	1.0	773	41	41	41	10	20	11	21	21
Lines Long, Set with Hooks on Bottom	8,978,400	\$13,758,000	152	20.00%	7,600	0.5	15	41	41	41	21	21	21	41	41
Lines Power Troll, Tuna	1,167,000	\$839,000	1,476	5.00%	66,420	0.1	7	41	41	41	41	41	41	41	41
Gill Nets, Drift, Salmon	34,354,000	\$50,733,539	566	0.10%	11,320	3	2	21	30	41	10	20	11	21	11
Otter Trawl Bottom, Fish	71,751,310	\$23,124,190	81	5.00%	39,852	0.1	<0.5	21	41	41	41	41	41	21	21
Lines Power Troll, Salmon	1,844,000	\$3,126,901	240	1.00%	10,800	0.1	<0.5	41	41	41	41	41	41	41	41
Otter Trawl Bottom, Shrimp	16,334,000	\$10,837,000	20	2.00%	13,984	0.1	<0.5	21	41	41	41	41	41	21	21
Purse Seines, Salmon	18,833,000	\$23,686,156	274	0.00%	4,932	0.1	<0.5	41	41	41	41	41	41	41	41
Reel Nets	492,000	\$732,939	45	0.00%	1,125	0.1	<0.5	41	31	41	41	41	41	41	41

Note 1: Midwater otter trawl harvests, effort, and lost gear factors are not available on a state-by-state basis as the large harvests of Pacific whiting are aggregated across state. Please reference the regional summary table for otter trawl harvest, effort, and lost gear interaction indices.

Appendix Table 36: Lost Gear Interaction Matrix for the State of Wisconsin.

WISCONSIN

LAKE SUPERIOR

GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
Gill net	902,126	\$567,469	61	10.00%	11,133	6	37	41	31	31	31	21	11	11	21	21
Pound net	257,379	\$129,063	4	0.10%	270	0.5	0	41	31	31	31	21	21	21	41	21

LAKE MICHIGAN

GEAR	1988 POUNDS	1988 DOLLARS	GEAR AVAILABLE FOR DEPLOYMENT	PERCENT OF AVAILABLE GEAR LOST PER YEAR	# OF GEAR DEPLOYED PER YEAR	INTERACTION MONTHS PER LOST GEAR	LOST GEAR INTERACTION FACTOR	MONTHS/YEAR	Mammals	Birds	Reptiles	Target	By-catch	Econ	Aesthetic	Safety
Gill net	3,730,270	\$3,351,226	261	10.00%	47,633	6	157	41	21	31	31	21	11	11	21	21
Otter trawl	11,681,091	\$756,733	6	10.00%	9,855	0.25	0	41	41	41	41	41	41	41	41	41
Fyke	227,305	\$175,324	27	0.10%	3,240	0.5	0	41	31	31	31	21	21	21	41	41
Deep trap	567,002	\$521,078	14	0.10%	1,680	0.5	0	41	21	41	41	21	21	21	21	21
Pound net	63,695	\$50,636	8	0.10%	960	0.5	0	41	21	31	31	21	21	21	41	21
Shallow trap	28,014	\$21,995	4	0.10%	480	0.5	0	41	21	31	31	21	21	21	21	21

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APPENDIX III
ANNOTATED BIBLIOGRAPHY

APPENDIX III

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LITERATURE AND INFORMATION SEARCH

Barney, W., 1985. Lost Gillnet Retrieval Project. 1983-1984. 21pp.

In response to requests from the St. Bride's and St. Joseph's Fishermen's Committees, the Development Branch, Department of Fisheries and Oceans, undertook a Gillnet Retrieval Project. The project was carried out around Cape St. Mary's and an area west of Cape Pine. There were some nets recovered in the Cape St. Mary's area which indicated that the problem of ghost netting is still occurring. However, better equipment for hooking the gillnets is required before the full extent of the problem can be determined.

Berger, J. D., Armistead, C. E., 1987. Discarded Net Material in Alaskan Waters, 1982-84. Report No.: NOAA-TM-NMFS-F/NWC-110. p. 74.

From 1982 to 1984, the National Marine Fisheries Service Foreign Fisheries Observer Program conducted a study on the amounts of net material lost, discarded, or encountered by vessels in foreign and joint venture fishing in the fisheries conservation zone (FCZ) off Alaska. The study was a response to reports of the entanglement of marine mammals in trawl net material. Data were collected aboard all vessel types involved in trawling operations. One thousand and sixty-eight observer cruises provided year-round data throughout the Bering Sea/Aleutian Islands region and the western and central portions of the Gulf of Alaska.

Bishop, J.M., 1983. Incidental Capture of Diamondback Terrapin by Crab Pots. ESTUARIES, vol. 6, no. 4, pp. 426-430.

Two-hundred eighty-one diamondback terrapins (*Malaclemys terrapin*) (195 male, 86 female) were captured in baited and unbaited crab pots during premolt crab capture studies in South Carolina. Sampling was conducted four consecutive days each week from mid April to mid November, 1979, in the Ashley River Estuary, and daily from April to July, 1980 and 1981, in the Wando River Estuary. Fifty-five percent of the total were captured in April, and 32% in May. Males outnumbered females 2:3:1. Median plastron length of females was 121 mm (range 76-175) and that for males 100 mm (range 79-128). Few captured terrapins were drowned when crab pots were checked daily, and it is estimated that capture mortality amounted to 10%. Terrapin catch per baited crab pot averaged 0.16 daily in April and May. Incidental terrapin capture by 743 commercial crabbers (fiscal year 1982 numbers) in South Carolina during April and May was estimated at 2,853 daily, and mortality was estimated at 285. These estimates are exclusive of mortalities resulting from lost pots. The impact of crabbing activities is believed to pose no threat to the terrapin population at current levels of commercial terrapin harvest.

Blott, A. J., 1978 A Preliminary Study of Timed Release Mechanisms for Lobster Traps. MARINE FISHERIES REVIEW, May-June, vol. 40 no. 5-6, pp. 44-49.

Some possible solutions to the lost "ghost" pot problem in the offshore lobster fishery of New England are examined. The object was to devise a release so lobsters could escape from ghost pots after a predetermined length of time. The method of release, the release timer, and the release mechanisms were all studied and feasibility tests were conducted on degradable materials to be used for the timing device. The results showed that jute twine and steel wire deserve further consideration, and in situ tests on commercial pots are recommended. (AM)

Bonner, W.N., 1986. Seals in the Human Environment. AMBIO vol. 15, no. 3, Br. Antarctic Surv., NERC, High Cross, Madingley Rd., Cambridge CB3 0ET, UK, pp. 173-176.

Seals have a long association with man. They provide subsistence products for primitive communities and commercial harvest for industrialized societies. Seals have generally been perceived as damaging to fisheries; fisheries also have adverse effects on seals by possible competition with them for food and through by-catch. Entanglement with "ghost-nets" and other debris is a significant but unquantifiable cause of seal mortality. Pollutants in the marine environment are also damaging to seals and habitat destruction and disturbance can be locally significant. However, in general prospects for seals are good. Research is adding to the information base needed for scientific management of seal populations.

Breen, P A., 1987. Mortality of Dungeness Crabs Caused by Lost Traps in the Fraser River Estuary, British Columbia, Canada. N AM J FISH MANAGE 7 (3). Ministry of Agriculture and Fisheries, Fisheries Research Center, Greta Point 297, Wellington, NZ, pp. 429-435.

The loss of Dungeness crabs Cancer magister to "ghost fishing" (mortality caused by lost traps) was estimated from catches and mortalities in 10 simulated lost traps. Traps were originally baited and then left in place for 1 year at a 10-m depth in Departure Bay, British Columbia. Divers examined the traps at intervals and tagged all the crabs caught. In a year, the traps caught 169 Dungeness crabs, which were nearly all males, and about half of which died. Mortality rates of legal and sublegal size crabs were nearly the same. At the end of the study, the traps were all in good condition and continued to catch crabs. I also estimated an annual trap loss rate of 11% from a questionnaire survey of crab fishermen in the Fraser River estuary. From the estimated number of traps fished, loss rate, mortality rate per trap, and other values, I estimated that loss of ghost fishing might be equivalent in weight to 7% of the reported catch in the Fraser River District. This estimate is not directly applicable to other areas, but it is recommended that crab fishery management agencies develop and test inexpensive techniques, as well as regulations, that will prevent crab mortality from lost traps.

Carr, A., Wolfe, D.A. (ed.), 1987. Impact of Nondegradable Marine Debris on the Ecology and Survival Outlook of Sea Turtles. MAR. POLLUT. BULL., VOL. 18, no. 6B. Selected papers from the sixth International Ocean Disposal Symposium, pp. 352-356.

Sea turtles of all kinds are peculiarly prone to eat plastic scraps and other buoyant debris and to tangle themselves in lines and netting discarded by fishermen, and records of such

mishaps have increased markedly in recent years. Advances in our understanding of the developmental ecology of sea turtles shed new light on the impact of buoyant wastes on the juvenile stages. The initial developmental stages of all species are passed in the open sea. In the case of the loggerhead *Caretta* this period of pelagic life is likely to include 3-5 years of planktonic open-ocean travel, which may involve multiple transatlantic crossings. During this time both the young turtles and their buoyant food are drawn by advection into fronts (convergences, rips, driftlines) and the same process also brings in and aligns persistent plastics and lost fishing gear.

Clavijo, I. E., 1983. U.S. Virgin Islands Fishery Development and Demonstration Project, Virgin Islands Div. of Fish and Wildlife, St. Thomas. Report No.: NMFS/SK-89/024, 23p.

The objective of the study was to assess the economic feasibility in the Virgin Islands of offshore reef and pelagic fishery resources, while concurrently developing a domestic market for deep reef and pelagic species. A total of 509 bottom longlines were set on 32 occasions and an estimated total weight of 4,884 pounds of snapper and grouper species were caught. Surface longlines were set on 15 occasions but on three of these occasions the longlines were lost. Recovered longlines produced tuna, sharks, a sailfish, a swordfish, and several pelagic species. The fishing method can be developed as a profitable fishery if problems associated with gear loss are solved. A deepwater shrimp fishery holds promise, but catch rates need to be improved.

Clavijo, I. E., 1984. U.S. Virgins Islands Fishery Development and Demonstration Project Virgin Islands Div. of Fish and Wildlife, St. Thomas. Report No.: NMFS/SK-89/028, 35p.

The study assessed the economic feasibility in the Virgin Islands of offshore reef and pelagic fishery resources, while concurrently developing a domestic market for deep reef and pelagic species. Thirty eight exploratory fishing trips were made from March 1982 to September 1983 to assess fishing techniques for vertical or bottom longlining for species, surface longlining for pelagic species (tuna and swordfish), and trapping for deepwater shrimp. The results proved that the longline fishing method can be developed as a profitable fishery, if problems associated with gear loss are solved. Deepwater shrimp fishery holds promise, but catch rates need to be improved, and further research on the habitat and depth requirements are needed.

Colema, F.C., Wehle, D.H.S, 1969. Caught by Accident: The Fishermen's Unwanted Harvest. OCEANS., vol. 16, no. 4, pp. 65-67, 69.

Incidental capture and entanglement are different twists on the single theme, accidental capture. Incidental capture refers to the taking of animals other than those specifically sought in working nets. Entanglement, or ghost-fishing, describes the capture of aquatic animals in untended fishing gear. Through these two processes, virtually every fishery in every ocean contributes to the deaths of nearly a million marine birds and thousands of turtles and marine mammals each year.

Coleman, Susan E., Sylvester, Joseph R., LaPlace, Joseph A., Turbe, Ken, Dammann, Arthur E., 1979. Demonstration of Virgin Islands Small Boat Fishing Techniques. Virgin Islands Dept. of Conservation and Cultural Affairs, Charlotte Amalie, St. Thomas. Report No.: NOAA-79030604. 33p..

Virgin Islands fishery development has centered on technological introduction and resource diversification. This report provides a descriptive study on the use of an easily constructed rough-water dory and assessment of its performance in local waters. This assessment took the form of simulated commercial fishing and explored a variety of fishing techniques to measure daily catch potential in local waters. The basic boat design was suitable to local rough water conditions but lacked sufficient working deck space. Lengthening the boat to 20 feet increased operating expenses. Subsequent shortening to 17 feet indicated that the most economical size may lie between 17 and 18 feet, with a 65-85 hp outboard motor. Gear loss and fuel were the major expense items. Traps, line fishing, gill nets, and bait nets produced more than 90% of the total catch.

Erdman, R.B., Blake, N.J., 1988. The Golden Crab (Geryon fenneri) Fishery of Southeast Florida. Proceedings: Twelfth Annual Conference of the Tropical And Subtropical Fisheries Technological Society of the Americas, pp. 95-106.

Because of marketing problems compounded by distances > 100 miles to the fishing grounds, gear loss and the absence of information on the distribution and biology of this species, commercial golden crab operations in the eastern Gulf of Mexico ceased by mid-1985. In February 1986, the authors began a study of the biology of Geryon fenneri as collected from this southeast Florida fishery. Reproductive biology, size and weight relationships, trap design and catch per unit effort were examined to ascertain additional information relative to the study of this potentially valuable species.

High, W. L.; Worlund, D. D., 1979. Escape of King Crab, Paralithodes camtschatica, from Derelict Pots. (NMFS) NATIONAL MARINE FISHERIES SERVICE. TECHNICAL REPORT NMFS SSRF 734; NOAA-79060102, May, 19p.

Loss of 10% per season of pots (traps) in the Alaskan fishery for the king crab (P. camtschatica) has raised the question of possible loss of crabs and fish to the derelict, or lost, pots which continue to fish. A series of experiments were conducted during 1974 and '75 in which tagged king crab were placed in several types of pots and returned to the bottom (soaked) for periods of 1-16 d. As controls, some tagged king crab were released in Chiniak Bay, Kodiak Island, Alaska. Tagged crab missing from the pots at time of recovery were credited with escape. Some 92% of undersize and 80% of legal-size king crab readily escaped the derelict pots. Mortality among crab held in pots for various experiments ranged up to 12%. Crab that escaped within 1-4 d were recovered by commercial fishermen at about the same rate as those released in Chiniak Bay near the experiment site. However, those released after a 10- to 16-d confinement were returned at a much lower rate. (AM).

Hobart, W., 1978. Marine Fisheries Review, vol. 40, no. 5-6, May-June, 84p, Report# NOAA 78082808. See also report dated Apr 78, vol. 40, no. 4, PB-285 603.

Fisheries engineers and diver/biologists of the Northeast Fisheries Center have conducted a series of studies on the effects of non-selective and destructive fishing methods. The results of this research concerned with the American lobster, Homarus americanus, are

contained in this double issue. The titles of the papers are: Trap design and ghost fishing: an overview; Ghost fishing of vented and unvented lobster, Homarus americanus, traps; A preliminary study of timed release mechanisms for lobster traps; The effects of different escape vents on the selectivity of lobster traps; Trap design and ghost fishing: discussion; and Annotated bibliography on lobster trapping and related subjects.

Jamieson, G.S. (ed.), 1985. 1983 and 1984 Invertebrate Management Advice, Pacific Region. CAN. MANUSCR. REP. FISH. AQUAT. SCI., no. 1848, 111 pp. REPORT NO.: ISSN 0706-6473.

Biological advice given to resource managers by research scientists and biologists in November of both 1983 and 1984 is presented as a series of documents. Some other advisory manuscripts have been published elsewhere. The topics discussed here include a stock assessment of Barkley Sound shrimp, the effect of growth rate variability on minimum size restrictions for prawns (Pandalus platyceros), on-going scallop hatchery studies, a stock assessment of intertidal clams on Savary Island, ghost fishing by lost Dungeness crab (Cancer magister) traps, crab movement in the Fraser River delta, crab gear selectivity studies in Departure Bay, and an evaluation of geoduck (Panope abrupta) survey methodology.

Lien, J., Dix, L., Lee, E., Walters, H., 1984. Whale and Shark Entrapments in Inshore Fishing Gear during 1984: a Preliminary Report to Fisheries and Oceans Canada.

Aid in releasing entrapped whales (Cetacea) and sharks (Cetorhinus maximus) and minimizing damage to fishing gear was given to inshore fishermen. Gear damage caused by these animals was monitored during 1984 throughout Newfoundland and Labrador. Damage reports to fishing gear via cards and on-site reporting indicates a total of 261 cases estimating a total gear loss of \$81,000. Codtraps (52%) are the most commonly damaged gear salmon nets, primarily in Labrador, and groundfish gillnets account for most of the remaining damage.

Miller, R. J., 1977. Resource Underutilization in a Spider Crab Industry. FISHERIES, May-June, vol. 2, no. 3, pp. 9-12, 30.

Underutilization in the Newfoundland Chionoecetes opilio fishery was large with respect to 1974 landings of 3,300 metric tons. About 1,600 tons were lost by not fishing all commercial stocks; at least 264 tons were discarded in plants because they were too small, soft-shelled, or dead; an additional unmeasured quantity of small and soft-shelled crabs was discarded at the dock or on the fishing grounds and did not survive; 894 tons were lost to the groundfish gill net fishery; and 10 tons were lost to lost traps. These losses can be substantially reduced by expanding the fishery to unfished areas, by educating the industry to optimum holding conditions for live crabs, and by the following regulations: providing for a minimum mesh size on traps; requiring that undersized and soft-shelled crabs be returned to the water on the fishing grounds; and providing for ad hoc closure of grounds yielding a high proportion of soft-shelled crabs in catches. No suitable solution has been found to prevent the loss of crabs to the gill net fishery for groundfish and the loss to lost traps was insignificant. (AM)

Millner, R.S., 1985. The Use of Anchored Gill and Tangle Nets in the Sea Fisheries of England and Wales. Lab. Leaflet. Dir. Fish. Res., (G. B.), no. 57. 27 pp.

This leaflet describes general features of the construction and operation of fixed nets. Its primary purpose is to examine the relation of fixed net fisheries to other fisheries, particularly in the context of stock conservation and fisheries management. The mode of action of gill nets and tangle nets is given, especially their selectivity. The effect on traditional fishing is also mentioned—reactions between trawlers and netters, effects on salmon fishing and angling, "ghost fishing" by lost nets and mesh size regulations. Regional fisheries are described including the Grimsby wreck-net fishery, north-east, east, south southwest and Irish Sea coasts. Fixed nets are a well-established means of fishing by small inshore boats, less than 19m long, but if operating costs remain lower than for conventional trawls, there could be a steady expansion in future, for larger vessels, and to expand the range of small inshore boat operators. The widespread use by part-time and leisure fishermen is likely to continue.

O'Hara Kathryn, J., 1988. Audubon Wildlife report, 1988/1989, vol. 40, p.395.

Plastic debris is causing widespread mortality of marine mammals, turtles, fish, and birds who become entangled in or ingest the plastic. Ghost fishing, the ability of lost or discarded plastic fishing nets and traps to continue catching valuable organisms after they have been lost, is another adverse effect of plastic debris in the oceans. Major sources of this waste include vessels as well as land-based polluters. A variety of federal, state, and local agencies have legal authority pertaining to different aspects of this problem. Existing and new legislative developments for the control of plastics debris in marine ecosystems are surveyed. While some measures will soon be in place to prohibit the disposal of plastics from sea vessels, effective implementation will be a gradual process.

Pecci, K. J.; Cooper, R. A.; Newell, C. D.; et al. No date given. Ghost Fishing of Vented and Unvented Lobster, Homarus americanus, traps. MARINE FISHERIES REVIEW, vol. 40 no. 5-6, pp. 9-43.

Field experiments were conducted in coastal waters near Boothbay Harbor, Maine, and Woods Hole, Massachusetts, with 40 inshore-type lobster traps. Twenty of the traps were fished normally from the surface and 20 were left on the bottom and routinely surveyed by divers. Half of the traps in each group were fitted with sublegal escape vents. Catch-escape panels were also tested. Surface-hauled traps caught 3,425 lobsters in 53 sampling periods; 28% of the lobsters had 1 or more types of body damage. The "ghost" traps caught 456 lobsters during the same period; 25% of the lobsters died by the end of the field experiments (AM).

Schrey, E.; Vauk, G.J.M.; Wolfe, D.A. (ed.), 1987. Records of Entangled Gannets (*Sula bassana*) at Helgoland, German Bight. Mar. Pollut. Bull., vol. 18, no. 6B. Plastics in the Sea. Selected papers from the sixth International Ocean Disposal Symposium, pp. 350-352.

The gannet (*Sula bassana*) is a visitor to the area of the isle of Helgoland. As a "plunge-diver" it is endangered by drifting plastic-debris and "ghost-nets". Of 23 Gannets found dead on Helgoland beaches between 1976 and 1985, 3 (= 13%) were entangled in net fragments. Over the same period 5 other specimens entangled in fishing gear were found alive and set free. Without human assistance these animals would have died within a few

days. If these birds are added to the dead victims, then 29% of the observed mortality was caused by plastic-debris and fishing gear. In 1984 and 1985, 313 observations of Gannets were registered in the area of Helgoland, including 8 records (= 2.6%) of flying birds entangled in fragments of fishing gear. Multiple countings of the same individuals in the total of 313 observations makes the percentage of living Gannets entangled in fragments of fishing gear definitely higher than 2.6%.

Smolowitz, R. J., 1978. Trap Design and Ghost Fishing: Discussion. MARINE FISHERIES REVIEW, May-June, vol. 40 no. 5-6, pp. 59-67.

The main ghost-fishing danger lies in the cumulative effect on the inshore fishery if the majority of fishermen start using all-metal and/or plastic traps, a trend that is well under way. All traps should be required to have 1 untreated wood lath in their construction which, upon rotting out, leaves an opening equal to or greater than 75X150 mm. Any reduction in the total number of traps used will have positive results in reducing ghost-fishing and trap-related injuries and mortality even if the fishermen increase effort. Field tests with traps having 47-mm escape vents are recommended, as indications are that this size vent will substantially increase the overall benefits to the fishery attributed to sublegal venting, with only a negligible reduction in legal catch. A study should be conducted to determine the causes of trap losses and the means to prevent or reduce them. (FT).

Smolowitz, R.J., 1978. Annotated Bibliography on Lobster Trapping and Related Subjects. Mar. Fish. Rev., vol. 40 no. 5-6, pp. 68-77).

This bibliography contains 159 entries that have useful information for those studying lobster trapping. The subjects covered include behavior, general biology, catch statistics, ecology, fishing methods, ghost fishing, management, materials testing, trap design, and selectivity. The brief reviews following each entry are not full abstracts but only serve as a guide to what the reference contains of interest to the trap researcher. The key words serve the same purpose.

Smolowitz, R.J., 1978. Trap Design and Ghost Fishing: an Overview. Mar. Fish. Rev, vol. 40 no. 5-6, pp. 2-8.

A brief review of the lobster fishery and management is followed by a discussion of ghost fishing and escape vents. The American lobster, Homarus americanus, is found naturally on the east coast of North America, from North Carolina to Labrador, and is most abundant from Nova Scotia to New York. While most lobster fishing occurs in inshore waters, since the early 1950s the offshore lobster stocks have been increasingly fished. Ghost fishing is defined as the ability of fishing gear to continue fishing after all control of that gear is lost by the fisherman. Pots that contain escape vents could conceivably decrease ghost fishing related injuries and mortality.

Sutherland, D.L., Beardsley, G.L., Jones, R.S., 1983. Results of a Survey of the South Florida Fish-trap Fishing Grounds using a Manned Submersible. NORTHEAST GULF SCI vol. 6, no. 2, USDC, NOAA, Southeast Fish. Cent., Miami Lab., 75 Virginia Beach Dr., Miami, FL 33149, USA pp. 179-183.

From September 24 to October 4, 1981, the Miami Laboratory of the Southeast Fisheries Center (NOAA), and the Harbor Branch Foundation, Inc., Ft. Pierce, Florida, carried out a

cooperative survey of wire fish-trap fishing grounds off south Florida utilizing a manned submersible, JOHNSON-SEA-LINK I. Primary survey objectives were to determine the distribution and condition of derelict and ghost fish-traps and to make assessments of their effect on reef habitats and fishery resources. Derelict traps are defined as fish traps that fisherman cannot locate and retrieve but that are incapable of catching fish because of structural damage or deterioration. Ghost traps are lost traps still capable of catching fish (Smolowitz 1978).

Swartzman, Gordon, 1983. Present and Future Potential Models for Examining the Effect of Fisheries on Marine Mammal Population in the Eastern Bering Sea. 157p. Conference on Biological Interactions among Marine Mammals and Fisheries in the Bering Sea.

Two theories are proposed to explain Northern Fur seal population declines related directly to Bering Sea Fisheries. The first implicated expansion of the Pollock Fishery during 1965-1975; reduced food availability is conjectured to have impacted seal energetics. The sound hypothesis contends that entanglement in discarded netting has been a major contributor to seal mortality and population declines. Models used to evaluate the plausibility of each theory for the Pribilof Island, AK, FUR Seal population are reviewed. Useful population parameters are emphasized, and factors requiring further research and data collection are cited.

Thorsteinsson, G., Angelsen, K.K., 1982. Fishing technology and fish behaviour in gill netting. AEGIR., vol. 75, no. 4, pp. 219-222.

Gill net fishing is affected by many factors, each of which influence the efficiency of the gear both directly and interactively. The factors mainly discussed in the article are, material, colour, hanging ratio and floatation. The behaviour of fish against gill nets is described and the possible mortality of fish which escape from the nets is dealt with. The problem of lost cod gill nets--the ghost nets--is mentioned. Some notes on gear handling and the low fuel consumption are included.

APPENDIX IV
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