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# Summary of Sea Turtle Research in Virginia During 1979 and 1980: final report for NMFS contract #80 FAC 00004

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(Final Report for NMFS Contract #80 FAC 00004).

Submitted by:

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# INTRODUCTION

Directed research on the status of sea turtles in Virginia has been carried out by VIMS personnel since May 1979. Our efforts in 1979 (supported in-house) primarily comprised a documentation of sea turtle mortalities in the state. This work was expanded somewhat in 1980 thru a small Fellowship Stipend from N.M.F.S. to support the thesis work of Molly Lutcavage. In 1980 Molly analyzed the 1979 mortality data, continued to monitor strandings, and began a tagging program in cooperation with selected poundnet fishermen. Also in 1980 we began an evaluation of sea turtle nesting in Virginia with the support of another Fellowship stipend from the City of Danville Virginia and E.P.A. awarded to Richard Byles. I will provide a brief summary of each of these sub-projects below.

## Mortality Studies

We began public awareness campaigns through the news media in May of 1979 and 1980 to alert the public as to the protected status of sea turtles and to our interest in receiving reports of stranded, dead turtles and of turtles sighted alive. In 1979 we documented strandings of 190 loggerhead turtles in Virginia. Most of these were loggerheads, 9 ridleys and 1 leatherback (See Appendix). In 1980 we documented 284 loggerheads, 10 ridleys, and 2 leatherbacks. The increase may be due to better coverage within our stranding network and greater public awareness

rather than higher turtle mortality. Molly Lutcavage is analyzing these data in detail, but our preliminary findings show that the size distribution of loggerheads stranded in Virginia in 1979 was different from that in 1980. In 1979 most of the strandings involved large sub-adults. In 1980 many more small juveniles were stranded. In addition the temporal and geographic patterns of strandings were quite different in the two years. These differences could be due to major differences in surface water temperature patterns in the two years.

What are the possible sources of these mortalities? We have identified five possible major sources:

1. boat collision
2. trawler net drownings
3. idiot-induced
4. disease
5. poundnet related

Mortalities caused by boat collision are indicated usually by obvious gashes on the head, carapace, and sometimes one of the limbs. A small percentage of turtle mortalities in Virginia can be attributed to boat collisions. Drowning in trawls is suspected as a principle cause of turtle mortality along the southern ocean beach of Virginia during the spring (May). Many turtles that stranded at Sandbridge and Back Bay Wildlife Refuge then had apparently drowned. There is trawler activity directly offshore and a short distance to the south off North Carolina, at that time. Trawling is strictly prohibited within Chesapeake Bay where most of Virginia turtle strandings occur, and thus cannot be a source of mortality within the Bay.

"Idiot-induced" mortality includes those mindless acts of mutilation such as gunshot wounds, slashed throats, amputated limbs, etc. perpetrated upon sea turtles by humans. This cause of mortality was substantial in 1979 but appeared to decline in 1980 probably due to greater public awareness about the protected status of sea turtles (and associated legal penalties).

When this study began we suspected that poundnets might be a principle source of turtle mortalities, but could not understand how because the hearts or pounds of these nets are open above and allow trapped turtles to surface and breathe. We have had excellent cooperation from poundnet fishermen during our study and have found that most fishermen that catch sea turtles remove them to the deck of their boat, and release them unharmed on the trip back to the dock. Thus, captured and released turtles are much less likely to be recaptured again than if they were immediately released next to the net in which they were captured. Preliminary results from a tagging study conducted with cooperating poundnet fishermen indicate that turtles handled in the above manner are not recaptured soon. The mechanism by which turtles are killed by poundnets has become apparent to us in 1980. Turtles become entangled and drown in the large-meshed leaders (or hedge) which stretches for hundreds of feet and leads to the net proper. Because these net leaders are several feet deep, only those turtles entangled in the uppermost meshes are apparent to an observer on the water surface.

After death as these turtles begin to decompose they become bloated with gases, and finally float to the surface as the rotting flesh tears free from the netting. This may explain why most of the stranded turtles we examine are extremely decomposed. Turtles do not become entrapped in all pound leaders. Mesh sizes of leaders vary and this may be one factor why some leaders catch turtles and others do not. Also particular nets may be more fatal than others of similar construction because of their location. Specific hydrographic conditions may favor turtle entrapment (strong tidal currents).

Dr. Richard Wolke, a pathologist at the University of Rhode Island with whom we are working believes that some turtle mortalities may be directly or indirectly caused by disease. He has found evidence of severe anemia and perhaps blood fluke infestation from dead loggerheads examined in Florida and from a few Virginia samples. An anemic and physically weakened turtle would be less able to avoid a trawl or a poundnet leader if in a strong current. Unfortunately most of our Virginia specimens are so decomposed upon stranding that established techniques used in autopsy and histopathology cannot be used to determine the state of health of the specimen before death.

What is the significance of these very large numbers of turtle mortalities in Virginia? Obviously we are concerned about the effects of these mortalities on the survival of the populations of these threatened or endangered species (particularly

the ridleys). But also the large number of loggerhead mortalities suggests to us that the standing stock of sub-adult loggerheads in the Chesapeake Bight is very high during the summer months. Reports of live individuals, our observations from aircraft overflights, and observations made by the U.R.I., C.E.T.A.P. program (Bob Shoop, personal communication) support the notion that the Chesapeake Bight is a major summer feeding area for young loggerheads, and indeed may be the major summer feeding area for turtles originating from colonies along the eastern seaboard of the U.S.

We feel it is quite important to determine where Virginia's turtles come from and also where they ultimately nest. Any successful conservation efforts must be aimed at defined breeding populations, and the temporal and geographic limits of these populations should be identified. We are taking several steps to attempt to answer these questions. First, Molly Lutcavage has taken several samples of encrusting barnacles from stranded turtles. These are being identified by Dr. Victor Zullo. (UNC-Wilmington) a barnacle systematist. Certain barnacle species are primarily tropical and oceanic, and others are coastal or even estuarine. Thus the barnacle fauna found on a turtle can give some information as to where it has been. In addition recent studies on oxygen isotopes found in the shells of barnacles have shown that these isotopes can be used to trace the recent thermal regimes in which such barnacles have grown. This method has been used to reconstruct whale

migration patterns. We are in contact with workers in California and have sent some of our barnacle samples to them for similar analysis. A major question that has arisen is where do our turtles spend the winter? Do they migrate south to Florida and perhaps the Caribbean, or do they simply move into the south-Atlantic Bight and hibernate where the bottom remains moderate all winter (10-15°C)? Specimens stranded along the ocean beach in May show two distinct patterns. Some turtles are dark in color, in poor condition and barnacle encrusted; others are brighter in color, in very good condition and relatively clean and free of barnacles. Have these turtles wintered in different areas? We have begun to try to determine the migratory pattern of Virginia sea turtles also with preliminary tagging experiments. So far this year cooperating poundnet fishermen have tagged and released approximately 80 turtles for us. We have two returns from these releases which suggest that loggerheads move up-Bay as summer progresses. Also one of our local fishermen captured a released ridley which had been tagged and released off Galveston Texas in the head-start program about one year ago. In addition to conventional tags, Richard Byles will begin some preliminary experiments using sonic tags on turtles leaving Chesapeake Bay this Fall.

Nesting Studies

Through a modest fellowship stipend from the City of Danville Virginia through the Environmental Protection Agency, Richard Byles has been preparing an evaluation of sea turtle nesting in Virginia. This study is based on a series of aircraft overflights made at one week intervals along the entire Virginia sea coast this summer. We are using methods similar to those established by N.M.F.S. for overflights in the southeast. So far this year no sea turtle nesting has been detected from the air. One loggerhead nesting has been documented at Sandbridge in Virginia Beach on 25 July 1980. This nest was located in a residential beach area with vehicular traffic. One hundred four eggs were exhumed within 12 hours and transferred by U.S.F.W.S. personnel to a protected hatching area on the nearby Back Bay Wildlife Refuge. The nest produced 90 healthy hatchling turtles on 29 September and 1 October 1980, which were measured and released at Back Bay on the beach. We are also examining all available historical records of sea turtle nesting in Virginia. Our preliminary findings are that loggerheads nest infrequently (less than 10 nests a year) on Virginia beaches both north and south of Chesapeake Bay. The barrier beach islands off the Eastern Shore of Virginia are and have been relatively inaccessible and wild. Because there does not appear to be major nesting activity there presently, it is highly unlikely that Virginia beaches ever served as a major

nesting location for sea turtles. The reason for this may lie not in the lack of a sufficient warm weather period for development or suitable beach habitat (both are present), but to the lack of adequate Sargassum nursery areas offshore. Baby loggerheads striking east offshore would not find substantial windrows of floating Sargassum for at least 120 miles. Also they would have to race falling sea water temperatures as autumn progressed. In addition, in our latitude (37°N) even the Sargassum in the Gulf Stream dies during the cold months because low air temperatures kill the exposed gas bladders.

In summary, loggerhead sea turtles are abundant in and off Virginia in the summer. These turtles are probably derived from nesting areas to the south. Ridley turtles are much more common in our waters than previously suspected. Both species are subjected to high mortalities from many different sources. Poundnet leaders appear to be a primary source of mortalities for loggerheads. (The ridley may also die in gill nets, but these flimsy monofilament nets probably offer little problem for loggerheads). We feel that in the future that it will be important to continue study of stranding mortalities in order to further document species composition, size frequency information, and cause of death. Dr. Wolke has provided us with a detailed protocol for autopsy, but we received this after most of our "fresh" material stranded (mid-May). In 1981 we will be better prepared to collect material for histopathology. In

addition we feel that further research is warranted on the poundnet leader problem. Detailed examination of mesh size and construction as well as in-situ current measurements near selected nets should help us determine what factors are important in turtle entrapment.

Also, we propose to increase our efforts with our conventional tagging program and, through the efforts of Richard Byles, to develop a sonic tagging study to define local turtle movements in the vicinity of poundnets in Chesapeake Bay and to follow the departure of turtles from the Bay in the autumn. Finally, we are exploring the possibility of arranging the use of a few satellite-monitored radio tags on large sub-adult loggerheads as they begin their autumn migration.

Negotiations are currently underway with the U.S. Fish and Wildlife Service, Office of Endangered Species for funding of the tagging studies.

# APPENDIX

# VIRGINIA MARINE TURTLES 1979/1980

Explanation of print out:

Fieldnumbers: All MT/ year series turtles were examined by qualified persons. Reliability excellent. Additional information available on dimensions of turtle and its condition.

__/s/79 turtles were reported by VIMS stranding form. These
__/s/80 reports were filed most often by military and city crews who had been instructed as to proper I.D. and measurement. Sex identifications may be questionable in some cases.

Species

| | |
|---|---|
| CC | Caretta caretta |
| LK | Lepidochelys kempi |
| DC | Dermochelys coriacea |
| U | Unknown |

Condition

| | |
|---|---|
| fresh | carcass has no bloat or odor |
| mild | carcass with slight bloat or odor |
| adv | advanced decomposition |
| advp | advanced plus decomposition |
| flesh | flesh only;no hard parts |
| mum | mummy-turtle dried parts |
| bones | skeleton parts only |
| alive | . |

(stranding forms)

| | |
|---|---|
| 1 | little or no odor or bloat |
| 2 | bloated and foul odor present |
| 3 | advanced decom; parts only |

CLC carapace length measured along curvature in centimeters.

| OBS | FIELDNBR | DISCVR | SPECIES | SEX | COND | CLC |
|---|---|---|---|---|---|---|
| 1 | MT/1/80 | 12MAY80 | CC | F | FRESH | 73.0 |
| 2 | MT/2/80 | 11MAY80 | CC | U | FRESH | 72.5 |
| 3 | MT/3/80 | 13MAY80 | CC | U | ADU | 77.0 |
| 4 | MT/4/80 | 20MAY80 | CC | F | FRESH | 71.5 |
| 5 | MT/5/80 | 21MAY80 | CC | U | ADU | 78.5 |
| 6 | MT/6/80 | 21MAY80 | CC | U | FRESH | 62.8 |
| 7 | MT/7/80 | 21MAY80 | CC | F | FRESH | 62.0 |
| 8 | MT/8/80 | 25MAY80 | CC | U | ADU | . |
| 9 | MT/9/80 | 26MAY80 | DC | U | ADU | . |
| 10 | MT/10/80 | 27MAY80 | CC | U | ALIVE | 62.0 |
| 11 | MT/11/80 | 28MAY80 | LK | F | MOD | 58.6 |
| 12 | MT/12/80 | 28MAY80 | CC | U | MOD | 71.0 |
| 13 | MT/13/80 | 28MAY80 | CC | U | MOD | . |
| 14 | MT/14/80 | 28MAY80 | CC | U | MOD | 82.0 |
| 15 | MT/15/80 | 28MAY80 | CC | U | MOD | 55.0 |
| 16 | MT/16/80 | 28MAY80 | LK | U | ADU | 31.8 |
| 17 | MT/17/80 | 30MAY80 | CC | U | ADU | . |
| 18 | MT/18/80 | 30MAY80 | CC | U | ADU | . |
| 19 | MT/19/80 | 30MAY80 | CC | U | MUM | 106.0 |
| 20 | MT/20/80 | 31MAY80 | CC | U | ADU | 58.5 |
| 21 | MT/21/80 | 31MAY80 | CC | U | ADU | . |
| 22 | MT/22/80 | 31MAY80 | CC | U | ADU | . |
| 23 | MT/23/80 | 31MAY80 | CC | U | ADU | 76.0 |
| 24 | MT/24/80 | 29MAY80 | CC | U | FAIR | 83.0 |
| 25 | MT/25/80 | 31MAY80 | CC | U | ADU | . |
| 26 | MT/26/80 | 26MAY80 | DC | U | ADU | 124.0 |
| 27 | MT/27/80 | 01JUN80 | CC | U | ADU | 68.0 |
| 28 | MT/28/80 | 01JUN80 | CC | U | ADU | 72.0 |
| 29 | MT/29/80 | 01JUN80 | CC | U | MOD | 78.0 |
| 30 | MT/30/80 | 01JUN80 | CC | U | ADU | 71.0 |
| 31 | MT/31/80 | 01JUN80 | CC | U | ADUP | . |
| 32 | MT/32/80 | 02JUN80 | CC | U | MOD | . |
| 33 | MT/33/80 | 02JUN80 | CC | F | FRESH | 65.5 |
| 34 | MT/34/80 | 29MAY80 | CC | U | FRESH | . |
| 35 | MT/35/80 | 29MAY80 | CC | U | ADU | 73.0 |
| 36 | MT/36/80 | 29MAY80 | CC | U | ADU | 76.0 |
| 37 | MT/37/80 | 03JUN80 | CC | U | ADU | 71.1 |
| 38 | MT/38/80 | 03JUN80 | CC | U | ADU | 89.0 |
| 39 | MT/39/80 | 07JUN80 | CC | U | ADU | . |
| 40 | MT/40/80 | 11JUN80 | CC | U | MOD | 53.5 |
| 41 | MT/41/80 | 16JUN80 | CC | F | MOD | 85.0 |
| 42 | MT/42/80 | 17JUN80 | CC | U | ADU | 58.0 |
| 43 | MT/43/80 | 17JUN80 | CC | U | ADU | 83.0 |
| 44 | MT/44/80 | 28JUN80 | CC | U | MOD | 64.0 |
| 45 | MT/45/80 | 28JUN80 | CC | U | MOD | 71.0 |
| 46 | MT/46/80 | 01JUL80 | CC | U | ALIVE | 71.1 |
| 47 | MT/47/80 | 16JUL80 | CC | F | ALIVE | 51.8 |
| 48 | MT/48/80 | 30MAY80 | CC | F | FRESH | 75.0 |
| 49 | MT/49/80 | 18JUL80 | CC | U | ALIVE | 59.5 |
| 50 | MT/50/80 | 27MAY80 | CC | U | ALIVE | . |
| 51 | MT/51/80 | 29JUL80 | CC | U | ADU | . |
| 52 | MT/52/80 | 31JUL80 | CC | U | MOD | 66.0 |
| 53 | MT/53/80 | 31JUL80 | CC | U | ADU | 68.0 |
| 54 | MT/54/80 | 25JUN80 | CC | U | MOD | 72.5 |
| 55 | MT/55/80 | 17AUG80 | CC | U | MOD | . |
| 56 | MT/56/80 | 17SEP80 | CC | U | ADU | 64.8 |
| 57 | MT/57/80 | 24SEP80 | LK | U | ADU | . |
| 58 | MT/58/80 | 040CT80 | LK | U | ADU | 38.4 |
| 59 | MT/59/80 | 070CT80 | CC | F | FRESH | 70.0 |
| 60 | MT/60/80 | 070CT80 | CC | U | ADU | . |
| 61 | MT/61/80 | 260CT80 | CC | U | ADUP | . |
| 62 | MT/62/80 | 160CT80 | LK | U | ALIVE | 43.0 |
| 63 | MT/63/80 | 17AUG80 | CC | U | ADUP | . |
| 64 | MT/64/80 | 310CT80 | CC | U | ALIVE | 68.6 |
| 65 | MT/65/80 | 310CT80 | CC | U | ALIVE | 76.2 |
| 66 | 75/S/80 | 12APR80 | CC | U | 3 | 55.9 |
| 67 | 100/S/80 | 05MAY80 | CC | F | 1 | 92.0 |
| 68 | 73/S/80 | 16MAY80 | CC | U | 3 | . |
| 69 | 1/S/80 | 17MAY80 | CC | U | 1 | 61.0 |
| 70 | 2/S/80 | 18MAY80 | CC | U | 1 | 56.0 |
| 71 | 3/S/80 | 20MAY80 | CC | U | 1 | 67.3 |
| 72 | 107/S/80 | 23MAY80 | CC | U | 1 | 71.1 |
| 73 | 4/S/80 | 23MAY80 | CC | U | 1 | 51.0 |
| 74 | 5/S/80 | 23MAY80 | CC | U | 2 | 46.0 |
| 75 | 6/S/80 | 23MAY80 | CC | U | 2 | 71.0 |
| 76 | 7/S/80 | 23MAY80 | CC | U | 2 | . |
| 77 | 108/S/80 | 24MAY80 | CC | U | 2 | 76.2 |
| 78 | | | | | | . |
| 79 | 8/S/80 | 25MAY80 | LK | U | 1 | 30.0 |
| 80 | 10/S/80 | 26MAY80 | CC | U | 2 | 91.0 |
| 81 | 12/S/80 | 27MAY80 | CC | U | 1 | 75.0 |
| 82 | 11/S/80 | 27MAY80 | CC | U | 1 | 80.0 |
| 83 | 110/S/80 | 27MAY80 | CC | F | 1 | 91.5 |
| 84 | 112/S/80 | 28MAY80 | CC | F | 1 | 91.5 |
| 85 | 111/S/80 | 28MAY80 | CC | F | 3 | 91.5 |
| 86 | 109/S/80 | 28MAY80 | CC | F | 1 | 107.0 |
| 87 | 13/S/80 | 28MAY80 | CC | U | 2 | 76.1 |
| 88 | 14/S/80 | 28MAY80 | CC | U | 2 | 59.2 |
| 89 | 99/S/80 | 28MAY80 | CC | U | 1 | 69.0 |
| 90 | 15/S/80 | 28MAY80 | U | U | 2 | . |
| 91 | 16/S/80 | 29MAY80 | CC | U | 1 | 61.0 |
| 92 | 113/S/80 | 29MAY80 | CC | F | 1 | 91.5 |
| 93 | 33/S/80 | 29MAY80 | U | U | 2 | 107.0 |
| 94 | 20/S/80 | 29MAY80 | CC | F | 2 | 91.5 |
| 95 | 30/S/80 | 30MAY80 | CC | U | 1 | . |
| 96 | 31/S/80 | 01JUN80 | CC | U | 1 | 56.0 |
| 97 | 32/S/80 | 01JUN80 | CC | U | 1 | . |
| 98 | 38/S/80 | 01JUN80 | CC | U | 1 | 91.0 |
| 99 | 99/S/80 | 03JUN80 | DC | F | ALIVE | 182.9 |
| 100 | 103/S/80 | 03JUN80 | CC | U | 2 | 50.8 |
| 101 | 35/S/80 | 04JUN80 | U | U | ALIVE | . |
| 102 | 34/S/80 | 04JUN80 | CC | F | 1 | 107.0 |
| 103 | 114/S/80 | 04JUN80 | CC | U | 1 | . |
| 104 | 17/S/80 | 04JUN80 | CC | U | 1 | 69.0 |
| 105 | 115/S/80 | 05JUN80 | CC | U | 1 | 71.1 |
| 106 | 116/S/80 | 05JUN80 | CC | U | 1 | 76.2 |
| 107 | 117/S/80 | 05JUN80 | CC | U | 3 | . |
| 108 | 118/S/80 | 05JUN80 | CC | U | 1 | 76.0 |
| 109 | 19/S/80 | 05JUN80 | CC | F | 2 | 97.0 |
| 110 | 78/S/80 | 05JUN80 | CC | F | 2 | 62.0 |
| 111 | 119/S/80 | 05JUN80 | CC | F | 1 | 91.0 |
| 112 | 39/S/80 | 10JUN80 | CC | F | 1 | 102.0 |
| 113 | 79/S/80 | 06JUN80 | CC | F | 2 | 92.0 |
| 114 | 80/S/80 | 06JUN80 | CC | U | 1 | 59.0 |
| 115 | 81/S/80 | 06JUN80 | CC | U | 1 | 62.0 |
| 116 | 22/S/80 | 06JUN80 | CC | U | 2 | 67.0 |
| 117 | 23/S/80 | 06JUN80 | CC | U | 2 | 32.0 |
| 118 | 24/S/80 | 06JUN80 | CC | U | 2 | . |
| 119 | 51/S/80 | 06JUN80 | CC | U | 1 | . |
| 120 | 120/S/80 | 06JUN80 | CC | U | 1 | 91.5 |

| OBS | FIELDNBR | DISCVR | SPECIES | SEX | COND | CLC |
|---|---|---|---|---|---|---|
| 121 | 59/S/80 | 08JUN80 | CC | U | 1 | 29.0 |
| 122 | 36/S/80 | 08JUN80 | CC | U | 2 | 79.0 |
| 123 | 37/S/80 | 08JUN80 | CC | U | 2 | . |
| 124 | 60/S/80 | 09JUN80 | CC | U | 2 | 69.9 |
| 125 | 18/S/80 | 09JUN80 | CC | U | 1 | 76.0 |
| 126 | 83/S/80 | 09JUN80 | CC | U | 1 | 60.4 |
| 127 | 24/S/80 | 09JUN80 | CC | U | 2 | 71.0 |
| 128 | 82/S/80 | 09JUN80 | CC | U | 1 | 71.0 |
| 129 | 40/S/80 | 09JUN80 | CC | F | 2 | 85.0 |
| 130 | 41/S/80 | 09JUN80 | CC | F | 2 | 86.0 |
| 131 | 42/S/80 | 09JUN80 | CC | U | 2 | 67.0 |
| 132 | 25/S/80 | 09JUN80 | U | U | 3 | . |
| 133 | 26/S/80 | 09JUN80 | U | U | 2 | . |
| 134 | 27/S/80 | 09JUN80 | CC | U | 2 | 71.0 |
| 135 | 29/S/80 | 09JUN80 | CC | U | 1 | 76.0 |
| 136 | 39/S/80 | 10JUN80 | CC | F | 1 | 102.0 |
| 137 | 85/S/80 | 10JUN80 | CC | U | 2 | . |
| 138 | 84/S/80 | 10JUN80 | CC | U | 1 | 55.0 |
| 139 | 61/S/80 | 10JUN80 | CC | U | 1 | 96.5 |
| 140 | 63/S/80 | 11JUN80 | CC | U | 1 | 61.0 |
| 141 | 43/S/80 | 11JUN80 | CC | U | 1 | 91.0 |
| 142 | 62/S/80 | 11JUN80 | CC | F | 2 | 91.4 |
| 143 | 121/S/80 | 12JUN80 | CC | U | 2 | 91.4 |
| 144 | 122/S/80 | 12JUN80 | CC | U | 1 | 55.9 |
| 145 | 86/S/80 | 12JUN80 | LK | U | 2 | 25.3 |
| 146 | 87/S/80 | 12JUN80 | CC | U | 2 | 68.6 |
| 147 | 88/S/80 | 12JUN80 | CC | U | 1 | 68.1 |
| 148 | 123/S/80 | 12JUN80 | CC | U | 1 | 45.7 |
| 149 | 45/S/80 | 14JUN80 | CC | U | 1 | 84.0 |
| 150 | 89/S/80 | 13JUN80 | CC | M | 2 | 60.0 |
| 151 | 67/S/80 | 13JUN80 | CC | M | 2 | 106.7 |
| 152 | 62/S/80 | 13JUN80 | CC | U | 2 | 62.2 |
| 153 | 103/S/80 | 13JUN80 | CC | U | 2 | . |
| 154 | 53/S/80 | 13JUN80 | CC | U | ALIVE | 76.2 |
| 155 | 50/S/80 | 13JUN80 | CC | F | 2 | 66.0 |
| 156 | 124/S/80 | 13JUN80 | CC | F | 1 | 91.4 |
| 157 | 46/S/80 | 13JUN80 | CC | U | 2 | 63.0 |
| 158 | 47/S/80 | 13JUN80 | CC | U | 2 | 64.0 |
| 159 | 48/S/80 | 13JUN80 | CC | U | 2 | 64.0 |
| 160 | 49/S/80 | 13JUN80 | CC | F | 2 | 102.0 |
| 161 | 44/S/80 | 14JUN80 | CC | U | 1 | 61.0 |
| 162 | 96/S/80 | 15JUN80 | CC | U | 1 | 91.0 |
| 163 | 54/S/80 | 17JUN80 | CC | U | 2 | 66.0 |
| 164 | 55/S/80 | 17JUN80 | CC | U | 2 | 76.2 |
| 165 | 56/S/80 | 17JUN80 | U | U | 2 | . |
| 166 | 57/S/80 | 17JUN80 | CC | U | 2 | 61.0 |
| 167 | 90/S/80 | 17JUN80 | CC | U | 2 | 66.0 |
| 168 | 58/S/80 | 17JUN80 | CC | U | 2 | 74.0 |
| 169 | 125/S/80 | 17JUN80 | CC | F | 1 | 91.4 |
| 170 | 126/S/80 | 17JUN80 | CC | U | 1 | 76.2 |
| 171 | 66/S/80 | 18JUN80 | CC | F | 2 | 91.4 |
| 172 | 64/S/80 | 19JUN80 | CC | F | 2 | 86.0 |
| 173 | 65/S/80 | 19JUN80 | CC | U | 2 | 66.0 |
| 174 | 68/S/80 | 19JUN80 | CC | U | 2 | 76.2 |
| 175 | 127/S/80 | 20JUN80 | CC | U | 1 | 61.0 |
| 176 | 95/S/80 | 20JUN80 | CC | U | 1 | 21.6 |
| 177 | 71/S/80 | 21JUN80 | CC | U | ALIVE | 61.0 |
| 178 | 91/S/80 | 23JUN80 | CC | U | 2 | 50.0 |
| 179 | 69/S/80 | 23JUN80 | CC | U | 2 | 83.8 |
| 180 | 128/S/80 | 23JUN80 | CC | U | 1 | 71.0 |
| 181 | 70/S/80 | 25JUN80 | CC | U | 2 | 76.2 |
| 182 | 71/S/80 | 27JUN80 | CC | U | 1 | 66.0 |
| 183 | 74/S/80 | 28JUN80 | CC | U | 2 | . |
| 184 | 93/S/80 | 30JUN80 | CC | U | 2 | . |
| 185 | 72/S/80 | 30JUN80 | CC | U | 3 | 46.0 |
| 186 | 76/S/80 | 01JUL80 | CC | U | 1 | 81.3 |

| OBS | FIELDNBR | DISCVR | SPECIES | SEX | COND | CLC |
|---|---|---|---|---|---|---|
| 187 | 94/S/80 | 02JUL80 | CC | F | 2 | 107.0 |
| 188 | 92/S/80 | 09JUL80 | CC | U | 2 | 75.0 |
| 189 | 77/S/80 | 06JUL80 | CC | F | 2 | 89.0 |
| 190 | 102/S/80 | 16JUL80 | CC | U | 1 | 84.0 |
| 191 | 101/S/80 | 20JUL80 | CC | U | 2 | . |
| 192 | 104/S/80 | 30JUL80 | CC | U | 2 | . |
| 193 | 97/S/80 | 14JUL80 | CC | U | 1 | 61.0 |
| 194 | 98/S/80 | 14JUL80 | CC | U | 1 | 61.0 |
| 195 | 105/S/80 | 01AUG80 | CC | F | 2 | 122.0 |
| 196 | 106/S/80 | 11AUG80 | CC | U | 1 | 71.0 |
| 197 | 124/S/80 | 21AUG80 | CC | U | 1 | 82.5 |
| 198 | 125/S/80 | 21AUG80 | CC | U | 2 | 71.0 |
| 199 | 126/S/80 | 23AUG80 | LK | U | 1 | 36.0 |
| 200 | 127/S/80 | 04SEP80 | CC | U | 1 | 60.0 |
| 201 | 128/S/80 | 06SEP80 | U | U | 1 | . |
| 202 | 129/S/80 | 06SEP80 | CC | U | 1 | 95.0 |
| 203 | 130/S/80 | 08SEP80 | CC | U | 3 | . |
| 204 | 131/S/80 | 08SEP80 | LK | U | 1 | 43.2 |
| 205 | 138/S/80 | 08NOV80 | CC | U | 2 | 91.0 |
| 206 | 139/S/80 | 14NOV80 | CC | U | 1 | 60.0 |
| 207 | 140/S/80 | 14NOV80 | CC | U | 1 | 80.0 |
| 208 | 141/S/80 | 19SEP80 | CC | U | 2 | . |
| 209 | 131/S/80 | 13JUL80 | CC | U | 2 | . |
| 210 | 132/S/80 | 01JUL80 | CC | U | 3 | . |
| 211 | 142/S/80 | 03DEC80 | CC | U | 2 | 71.1 |
| 212 | 143/S/80 | 15AUG80 | CC | U | 1 | . |
| 213 | 9/S/80 | 25MAY80 | U | U | 1 | . |
| 214 | MT/1/79 | 22MAY79 | CC | U | MOD | 81.3 |
| 215 | MT/2/79 | 21MAY79 | CC | U | ADU | 67.3 |
| 216 | MT/3/79 | 24MAY79 | CC | U | MOD | 76.2 |
| 217 | MT/4/79 | 25MAY79 | CC | U | ADU | 85.1 |
| 218 | MT/5/79 | 28MAY79 | CC | U | ADU | 77.5 |
| 219 | MT/6/79 | 30MAY79 | CC | U | MOD | 71.0 |
| 220 | MT/7/79 | 30MAY79 | CC | U | MOD | 82.5 |
| 221 | MT/8/79 | 02JUN79 | CC | F | ADU | 92.0 |
| 222 | MT/9/79 | 02JUN79 | CC | F | MOD | 94.0 |
| 223 | MT/10/79 | 03JUN79 | LK | U | FRESH | 41.5 |
| 224 | MT/11/79 | 03JUN79 | CC | F | MOD | 89.0 |
| 225 | MT/12/79 | 08JUN79 | CC | U | MILD | 77.5 |
| 226 | MT/13/79 | 11JUN79 | LK | U | ADU | 32.0 |
| 227 | MT/14/79 | 13JUN79 | CC | U | MOD | 76.0 |
| 228 | MT/15/79 | 14JUN79 | CC | U | FLESH | . |
| 229 | MT/16/79 | 15JUN79 | CC | U | ADUP | 74.0 |
| 230 | MT/17/79 | 15JUN79 | CC | U | ALIVE | 74.0 |
| 231 | MT/18/79 | 17JUN79 | CC | F | MOD | 87.0 |
| 232 | MT/19/79 | 17JUN79 | CC | U | ADUP | 69.5 |
| 233 | MT/20/79 | 18JUN79 | DC | F | MOD | 161.0 |
| 234 | MT/21/79 | 18JUN79 | CC | U | ADUP | 76.0 |
| 235 | MT/22/79 | 19JUN79 | CC | U | ADUP | 51.0 |
| 236 | MT/23/79 | 19JUN79 | CC | F | MOD | 116.5 |
| 237 | | . | | | | . |
| 238 | MT/24/79 | 21JUN79 | CC | U | MOD | 62.8 |
| 239 | MT/26/79 | 24JUN79 | CC | U | MILD | 64.2 |
| 240 | MT/27/79 | 29 JUN 79 | CC | U | MILD | 47.7 |
| 241 | MT/28/79 | 29 JUN 79 | CC | U | MOD | 63.0 |
| 242 | MT/29/79 | 29 JUN 79 | CC | F | MILD | 94.0 |

END 80

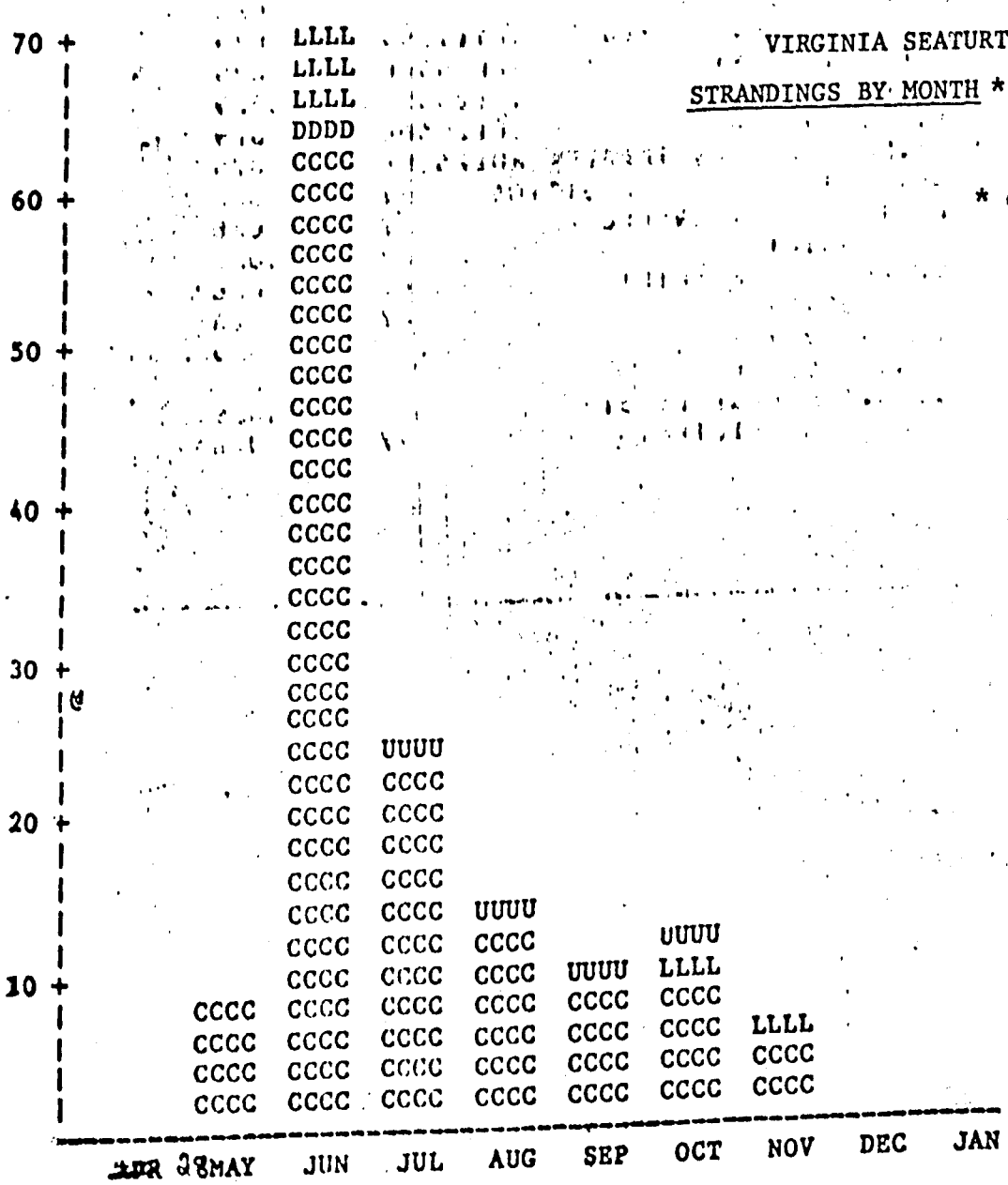
1979

| | | | | | | |
|---|---|---|---|---|---|---|
| 243 | MT/30/79 | 29JUN79 | CC | U | MILD | 66.1 |
| 244 | MT/31/79 | 29JUN79 | CC | U | ADU | 63.0 |
| 245 | MT/32/79 | 29JUN79 | CC | U | ADU | 75.2 |
| 246 | MT/33/79 | 30JUN79 | CC | U | MOD | 78.5 |
| 247 | MT/34/79 | 30JUN79 | CC | U | MOD | 78.0 |
| 248 | MT/35/79 | 30JUN79 | CC | U | MOD | 78.0 |

| OBS | FIELDNBR | DISCVR | SPECIES | SEX | COND | CLC |
|---|---|---|---|---|---|---|
| 249 | MT/36/79 | 03JUL79 | CC | U | ADUP | . |
| 250 | MT/37/79 | 10JUL79 | CC | U | ADU | 70.0 |
| 251 | MT/38/79 | 16JUL79 | CC | U | MOD | 70.0 |
| 252 | MT/39/79 | 16JUL79 | CC | U | MOD | 63.2 |
| 253 | MT/40/79 | 24JUL79 | CC | U | ADUP | 74.1 |
| 254 | MT/41/79 | 24JUL79 | CC | U | MOD | 66.7 |
| 255 | MT/42/79 | 25JUL79 | CC | U | ADUP | . |
| 256 | MT/43/79 | 08AUG79 | CC | U | MOD | 69.0 |
| 257 | MT/44/79 | 01JUN79 | CC | U | MOD | 68.0 |
| 258 | MT/45/79 | 01JUN79 | CC | U | ADU | 76.0 |
| 259 | MT/46/79 | 01JUN79 | CC | U | ADUP | 71.0 |
| 260 | MT/47/79 | 01JUN79 | CC | U | MILD | 56.0 |
| 261 | MT/48/79 | 06JUN79 | CC | F | MILD | 91.0 |
| 262 | MT/49/79 | 03JUN79 | CC | U | MOD | . |
| 263 | MT/50/79 | 18JUN79 | CC | U | ADU | 91.0 |
| 264 | MT/51/79 | 14JUN79 | CC | F | ADU | . |
| 265 | MT/52/79 | . | | | | . |
| 266 | MT/53/79 | 12JUN79 | LK | U | MILD | 61.6 |
| 267 | MT/54/79 | 15JUN79 | CC | U | ADU | 74.0 |
| 268 | MT/55/79 | 03SEP79 | CC | U | MOD | 64.0 |
| 269 | MT/56/79 | 04SEP79 | CC | M | MOD | . |
| 270 | MT/57/79 | 18SEP79 | CC | U | FRESH | 78.7 |
| 271 | MT/58/79 | 26SEP79 | CC | U | MILD | 70.0 |
| 272 | MT/59/79 | 15OCT79 | CC | F | ALIVE | 93.3 |
| 273 | MT/60/79 | 27OCT79 | LK | U | MOD | 41.9 |
| 274 | MT/61/79 | 07NOV79 | LK | U | MILD | 36.0 |
| 275 | MT/62/79 | 20NOV79 | CC | U | FRESH | . |
| 276 | MT/63/79 | 02NOV79 | CC | U | ADU | 63.5 |
| 277 | MT/64/79 | 02NOV79 | CC | U | MILD | 58.4 |
| 278 | MT/65/79 | 26AUG79 | CC | M | ADU | . |
| 279 | MT/66/79 | 17JUN79 | CC | U | FLESH | . |
| 280 | MT/67/79 | . | | | | . |
| 281 | MT/68/79 | 18JUN79 | CC | U | BONES | . |
| 282 | MT/69/79 | 27JUN79 | CC | U | FLESH | 64.0 |
| 283 | MT/70/79 | 29JUN79 | CC | U | ADU | . |
| 284 | MT/71/79 | 16JUL79 | CC | U | FLESH | . |
| 285 | MT/72/79 | 18JUN79 | CC | U | ADUP | . |
| 286 | MT/73/79 | 28JUN79 | CC | U | MOD | . |
| 287 | MT/74/79 | 16JUN79 | CC | U | ADUP | . |
| 288 | MT/25/79 | 25JUN79 | LK | U | MUM | 42.5 |
| 289 | 1/S/79 | 09JUN79 | CC | U | 2 | . |
| 290 | 2/S/79 | 19JUN79 | U | U | ALIVE | . |
| 291 | 3/S/79 | 06JUN79 | CC | U | | . |
| 292 | 4/S/79 | 06JUN79 | U | U | ALIVE | . |
| 293 | 5/S/79 | 02JUN79 | CC | U | MOD | . |
| 294 | 6/S/79 | 06JUN79 | CC | U | MOD | 105.0 |
| 295 | 7/S/79 | 12JUN79 | CC | U | 1 | 61.6 |
| 296 | 8/S/79 | 12JUN79 | CC | U | 1 | 64.8 |
| 297 | 9/S/79 | 15JUN79 | CC | U | 1 | 71.1 |
| 298 | 10/S/79 | 18JUN79 | CC | U | 2 | 66.0 |
| 299 | 11/S/79 | 18JUN79 | LK | U | 1 | 30.5 |
| 300 | 12/S/79 | 18JUN79 | CC | U | 2 | 121.9 |
| 301 | 13/S/79 | 18JUN79 | CC | U | 2 | 86.3 |
| 302 | 14/S/79 | 18JUN79 | CC | U | 2 | 116.8 |
| 303 | 15/S/79 | 18JUN79 | CC | U | 1 | 121.9 |
| 304 | 16/S/79 | 20JUN79 | CC | U | 2 | 73.7 |
| 305 | 17/S/79 | 20JUN79 | CC | F | 1 | 105.4 |
| 306 | 18/S/79 | 23JUN79 | CC | U | 1 | 63.5 |
| 307 | 19/S/79 | 25JUN79 | CC | F | 1 | 91.0 |
| 308 | 20/S/79 | 25JUN79 | CC | U | 1 | 73.7 |
| 309 | 21/S/79 | 25JUN79 | CC | U | 2 | 70.0 |
| 310 | 22/S/79 | 26JUN79 | CC | U | 1 | 82.6 |

| OBS | FIELDNBR | DISCVR | SPECIES | SEX | COND | CLC |
|---|---|---|---|---|---|---|
| 311 | 23/S/79 | 26JUN79 | CC | U | 1 | 58.4 |
| 312 | 24/S/79 | 26JUN79 | CC | U | 3 | 70.0 |
| 313 | 25/S/79 | 27JUN79 | CC | U | 1 | 76.2 |
| 314 | 26/S/79 | 27JUN79 | CC | U | 2 | 55.9 |
| 315 | 27/S/79 | 02JUL79 | U | U | 1 | . |
| 316 | 28/S/79 | 02JUL79 | U | U | 1 | . |
| 317 | 29/S/79 | 02JUL79 | CC | U | 2 | 76.2 |
| 318 | 30/S/79 | 03JUL79 | CC | U | 2 | 61.0 |
| 319 | 31/S/79 | 04JUL79 | CC | U | 2 | . |
| 320 | | . | | | | . |
| 321 | 32/S/79 | . | CC | U | U | . |
| 322 | 33/S/79 | 05JUL79 | CC | U | 2 | 61.0 |
| 323 | 34/S/79 | 06JUL79 | CC | U | 1 | 61.0 |
| 324 | 35/S/79 | 08JUL79 | CC | U | 1 | 71.1 |
| 325 | 36/S/79 | 06JUL79 | CC | U | 1 | 66.0 |
| 326 | 37/S/79 | 11JUL79 | CC | U | 1 | 101.6 |
| 327 | 38/S/79 | 11JUL79 | CC | U | 1 | . |
| 328 | 39/S/79 | 13JUL79 | CC | F | 1 | 91.4 |
| 329 | 40/S/79 | 16JUL79 | CC | U | 1 | 58.4 |
| 330 | 41/S/79 | 17JUL79 | CC | U | 2 | 78.7 |
| 331 | | . | | | | . |
| 332 | 42/S/79 | 18JUL79 | CC | U | 2 | 71.1 |
| 333 | 43/S/79 | 18JUL79 | CC | F | 2 | 85.0 |
| 334 | 44/S/79 | 01AUG79 | CC | U | 2 | 74.9 |
| 335 | 45/S/79 | 01AUG79 | U | U | 3 | . |
| 336 | 46/S/79 | 01AUG79 | CC | U | ALIVE | 91.0 |
| 337 | 47/S/79 | 04AUG79 | U | U | 3 | . |
| 338 | 48/S/79 | 05AUG79 | CC | F | 1 | 91.4 |
| 339 | 49/S/79 | 06AUG79 | CC | U | 1 | 81.2 |
| 340 | 50/S/79 | 06AUG79 | CC | U | 2 | 71.1 |
| 341 | 51/S/79 | 07AUG79 | CC | F | 2 | 91.4 |
| 342 | 52/S/79 | 20AUG79 | CC | U | 1 | 38.4 |
| 343 | 53/S/79 | 27AUG79 | CC | U | 2 | . |
| 344 | 54/S/79 | 27AUG79 | CC | U | 2 | . |
| 345 | 55/S/79 | 27AUG79 | CC | U | 2 | . |
| 346 | 56/S/79 | 11SEP79 | CC | U | 2 | 77.5 |
| 347 | 57/S/79 | 12SEP79 | CC | F | 2 | 122.0 |
| 348 | 58/S/79 | 29SEP79 | U | U | 2 | 61.0 |
| 349 | 59/S/79 | 29SEP79 | CC | F | 1 | 107.0 |
| 350 | 60/S/79 | . | | | | . |
| 351 | 61/S/79 | 27SEP79 | CC | F | 1 | 91.4 |
| 352 | 62/S/79 | 27SEP79 | U | F | 1 | 182.9 |
| 353 | 63/S/79 | 01OCT79 | CC | F | 2 | 91.4 |
| 354 | 64/S/79 | 01OCT79 | CC | F | 1 | 106.7 |
| 355 | 65/S/79 | 03OCT79 | U | U | 2 | 45.7 |
| 356 | 66/S/79 | 05OCT79 | CC | U | 1 | 67.3 |
| 357 | 67/S/79 | 20OCT79 | CC | U | 1 | 58.4 |
| 358 | 68/S/79 | 25OCT79 | CC | U | 1 | 66.0 |
| 359 | 69/S/79 | 25OCT79 | CC | U | 1 | 71.1 |
| 360 | 70/S/79 | 29OCT79 | CC | U | 1 | 73.7 |
| 361 | 71/S/79 | 01NOV79 | CC | U | 1 | 61.0 |

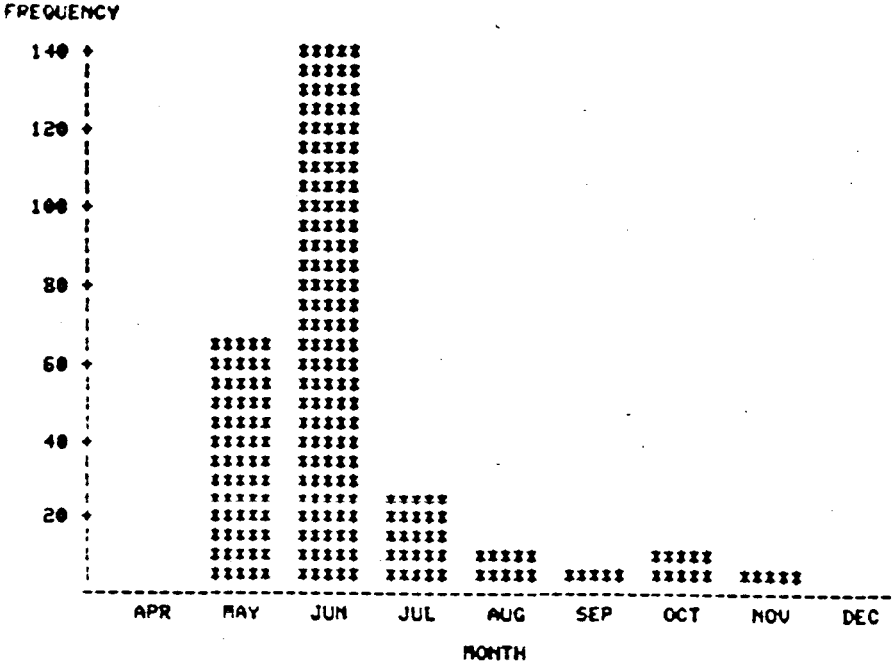
FREQUENCY BAR CHART 1979



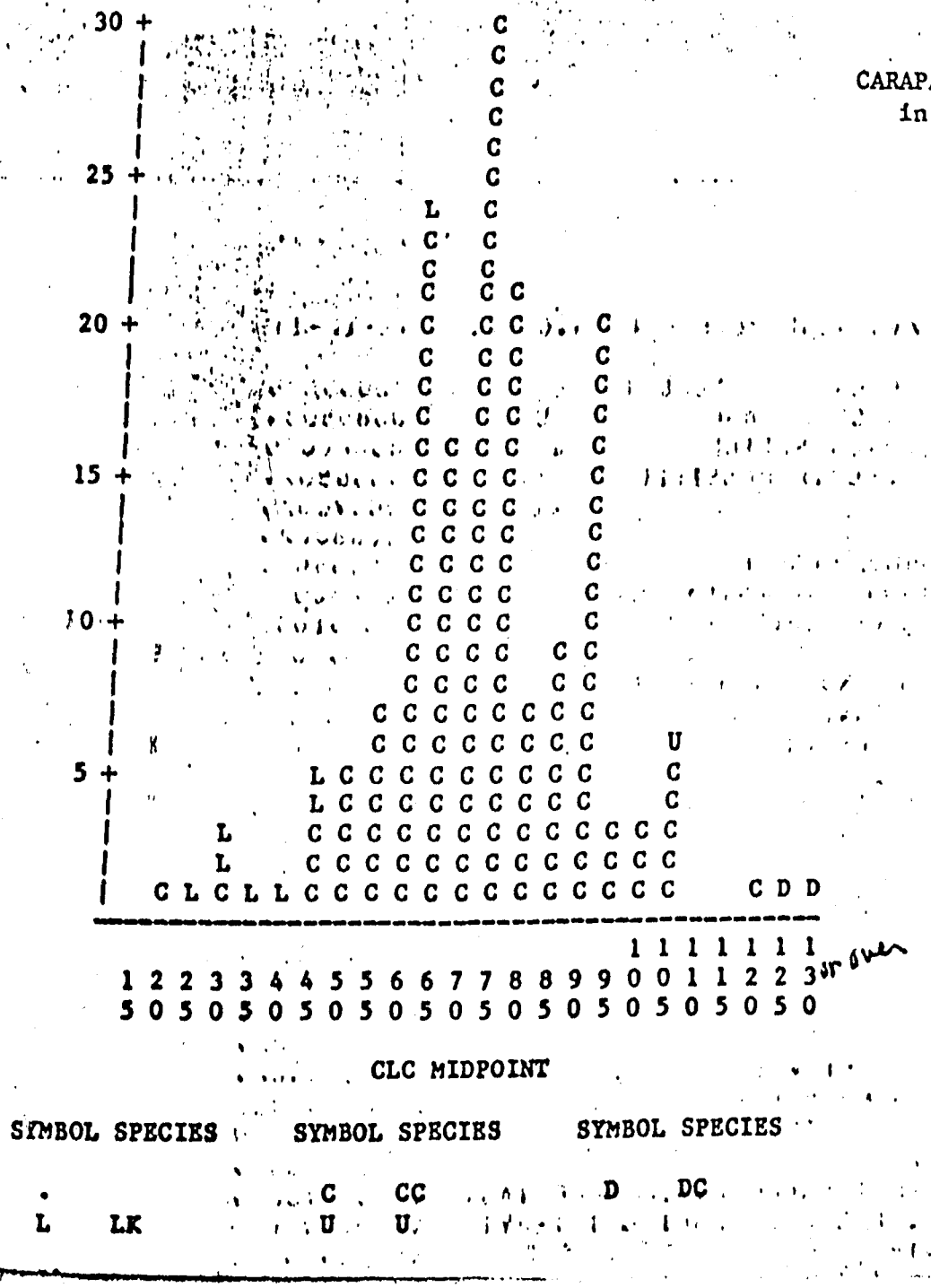

| SYMBOL | SPECIES | SYMBOL | SPECIES | SYMBOL | SPECIES |
|---|---|---|---|---|---|
| L | LK | C | CC | D | DC |
| | | U | Unknown | | |

VIRGINIA MARINE TURTLES BY MONTH 1980

FREQUENCY BAR CHART



FREQUENCY BAR CHART — VIRGINIA TURTLES 1980




| SYMBOL | SPECIES | SYMBOL | SPECIES | SYMBOL | SPECIES |
|---|---|---|---|---|---|
| . | | C | CC | D | DC |
| L | LK | U | U | | |

# SEATURTLE STRANDINGS 1979 Part 2 *

* the following strandings have been reported to VIMS by phone or letter. No additional information is available. Duplicate reports have been deleted.

| DATE | SPECIES | NUMBER | LOCATION | ZONE | COMMENTS |
|---|---|---|---|---|---|
| 4June79 | CC | 1 | New Pt. light | 8 | |
| | CC | 1 | Cuba Is. Bena | 7 | |
| | CC | 1 | Ft.Story | 3 | |
| | CC | 1 | Grandview Beach | 6 | |
| | ? | 1 | Norfolk Int. T. | 5 | |
| | CC | 2 | Buckroe B. | 6 | |
| | CC | 1 | Seashore S.P. | 3 | |
| 5June | CC | 1 | Buckroe Pier1 | 6 | |
| | CC | 1 | New Pt. light | 8 | |
| 6June | CC | 1 | York River | 7 | near marker 16YR |
| | ? | 1 | Ches.BBT isl. | 15 | |
| (28 May-6June) | CC | 4-6 | Cuba Pines,Y.R. | 7 | Dr. McComb report |
| 9June | CC | 1 | York River | 7 | T.Dillon VIMS |
| 11June | CC | 1 | 25th St. Va.B. | 3 | |
| 14June | CC | 1 | Mouth of L. Wic. | 9 | SWCB |
| 20June | CC | 2 | Ft. Monroe | 6 | P.Sprock,naturalist |
| 26June | CC | 1 | Ocean View | 4 | city crew |
| | LK (likely) | 1 | Seashore S.P. | 3 | park naturalist |
| | CC | 1 | Va.Beach | 3 | |
| 27June | CC | 1 | New Pt.light | 8 | |
| | CC | 1 | 3rdSt. Buckroe | 6 | |
| 28June | CC | 1 | Va.Beach | 3 | |
| | CC | 2 | York Pt. | 6 | |
| | CC | 1 | Oxford Beach MD | 13+ | CBI |
| 29June | CC | 1 | BuckroeBeach | 6 | |
| 30June | LK | 1 | Pd.net York R. | 7 | D.Dulaley VIMS |
| (6June-10July) | CC | 5 | Allens Is. Bena | 7 | Dr. McComb |
| 8July | CC | 1 | Back & Poquoson Rivers | 6 | Dr. Hugget,VIMS |
| 11July | ? (large) | 1 | Potato Neck | 9 | VMRC |
| 4Aug | CC | 1 | Hampton Creek | 6 | resident |
| 1Aug | CC | 2 | Big Island York | 7 | Dr. McComb |
| 26Aug | CC | 1 | Paramore Is. | 1 | TNC |
| ??? | DC | 1 | Seashore S.P. Kendel St. | 3 | 6 ft. est. lng. |
| | TOTAL | 45 ± 1 | | | |

Species

CC Caretta caretta
LK Lepidochelys kempi
DC Dermochelys coriacea

SEATURTLE STRANDINGS 1980 Part 2 *

*the following strandings have been reported to VIMS by phone or letter. No additional information is available. Duplicate reports have been deleted.

| DATE | SPECIES | NUMBER | LOCATION | ZONE | COMMENTS |
|---|---|---|---|---|---|
| 5 May | CC | 1 | s. end Smith Is. | 1 | |
| | CC | 1 | Rudee Inlet | 3 | app. 100lbs |
| 14May | CC | 1 | n. end Cobb Is. | 1 | |
| | ? | 1 | Buckroe Beach | 6 | |
| 16May | CC | 1 | Paramore Is. | 1 | USCG |
| 17May | CC | 1 | Paramore Is. | 1 | USCG |
| 21May | CC | 1 | False Cape S.P. | 2 | |
| 23May | CC | 1 | Sting Ray Pt. | 9 | |
| 24May | CC | 1 | Fishermans Is. | 15 | |
| | CC | 2 | Sandbridge | 2 | |
| 16May | CC | 1 | Ware Neck | 8 | |
| 27May | CC | 1 | Great Neck Va.B. | 3 | |
| | CC | 6 | Poquoson flats | 6 | all dead in pd VMRC reports |
| 28May | CC | 2 | Seashore St.P. | 3 | one in pd. net |
| 30May | ? | 1 | Hog Island | 1 | |
| | CC | 3 | Poquoson area | 6 | VMRC |
| 31May | CC | 1 | Fort Story | 3 | |
| | CC | 2 | New Point Light | 8 | in pd. net |
| | CC | 3 | CBBT east end | 15 | floaters |
| | CC | 2 | Buckroe Beach | 6 | |
| | CC | 1 | Grandview Beach | 6 | |
| | Subtotal | 34 | | | |
| 6June | CC | 1 | Va. Beach | 3 | 300lbs. |
| 7June | ? | 1 | White Marsh | 9 | SWCB |
| | CC | 1 | Haven Beach | 9 | |
| | CC | 1 | W. Ocean View | 4 | |
| | CC | 1 | Lynhaven Shores | 3 | |
| | ? | 1 | Goodwyn Island | 6 | |
| 9June | ? | 1 | Smith's Beach | 13+ | |
| 14June | CC | 1 | Mosquito Point near Windmill Pt. | 11 | |
| | CC | 1 | Silver Beach, E.S. | 15 | |
| | CC | 1 | New Pt. Cft. campgrd. | 9 | |
| 13June | CC | 2 | York Spit channel | 6 | floaters |
| 15June | CC | 1 | Haven Beach | 9 | |
| 16June | CC | 1 | N.end Grandview | 6 | MEL |
| | CC | 1 | coal pier Norfolk | 4 | |
| | CC | 1 | Shacklefords York R. | 7 | |
| 17June | ? | 1 | n. end Hog Is. | 1 | RB |
| | CC | 1 | s.end False Cape | 2 | RB aerial |
| | CC | 1 | NC border False Cape | 2 | RB |
| 18June | CC | 1 | CBBT | 15 | |
| | CC | 2 | Mobjack Bay | 8 | |

| DATE | SPECIES | NUMBER | LOCATION | ZONE | COMMENTS |
|---|---|---|---|---|---|
| 23 June | CC | 1 | New Pt. Light | 8 | |
| 26 June | CC | 2 | Bavon Beach | 9 | |
| | CC | 1 | Rudee Inlet | 3 | |
| | CC | 1 | CBBT 4th is. | 15 | |
| 28 June | CC | 2 | Shipshoal inlet | 1 | |
| | CC | 1 | mid Hog Island | 1 | |
| | CC | 1 | St. George's Potomac River | 12 | |
| | June Subtotal | 31 | | | |
| 1 July | ? | 1 | Newport News | 4 | |
| | CC | 1 | Reedville | | |
| 2 July | CC | 1 | Mumford Island | 7 | |
| 5 July | CC | 1 | Gwynns Island | 9 | |
| | ? | 1 | Newport News dry dock | 4 | |
| | CC | 3 | Back River G.V. | 6 | |
| 8 July | CC | 1 | Bay side E.S. | 15 | |
| 9 July | CC | 1 | New Point Comfort | 9 | USCG |
| | LK (likely) | 1 | New Point Comfort | 9 | USCG |
| 11 July | CC | 1 | mouth of East R. | 8 | |
| 13 July | ? | 1 | Wicomico, York R. | 7 | |
| 15 July | CC | 1 | East River M.B. | 8 | |
| 16 July | ? | 1 | Church Creek Hampton | 6 | |
| 30 July | CC | 1 | Seashore St. Park | 3 | |
| | CC | 1 | Fisherman's Island | 15 | |
| | CC | 1 | York River | 7 | crab pot l[illegible] |
| | July Subtotal | 18 | | | |
| | August through December Subtotal | 0 | | | |
| | Total reported turtles | 83 | | | |

Sea Turtle Strand D.I.S / CAPTURE ZONES 1-15