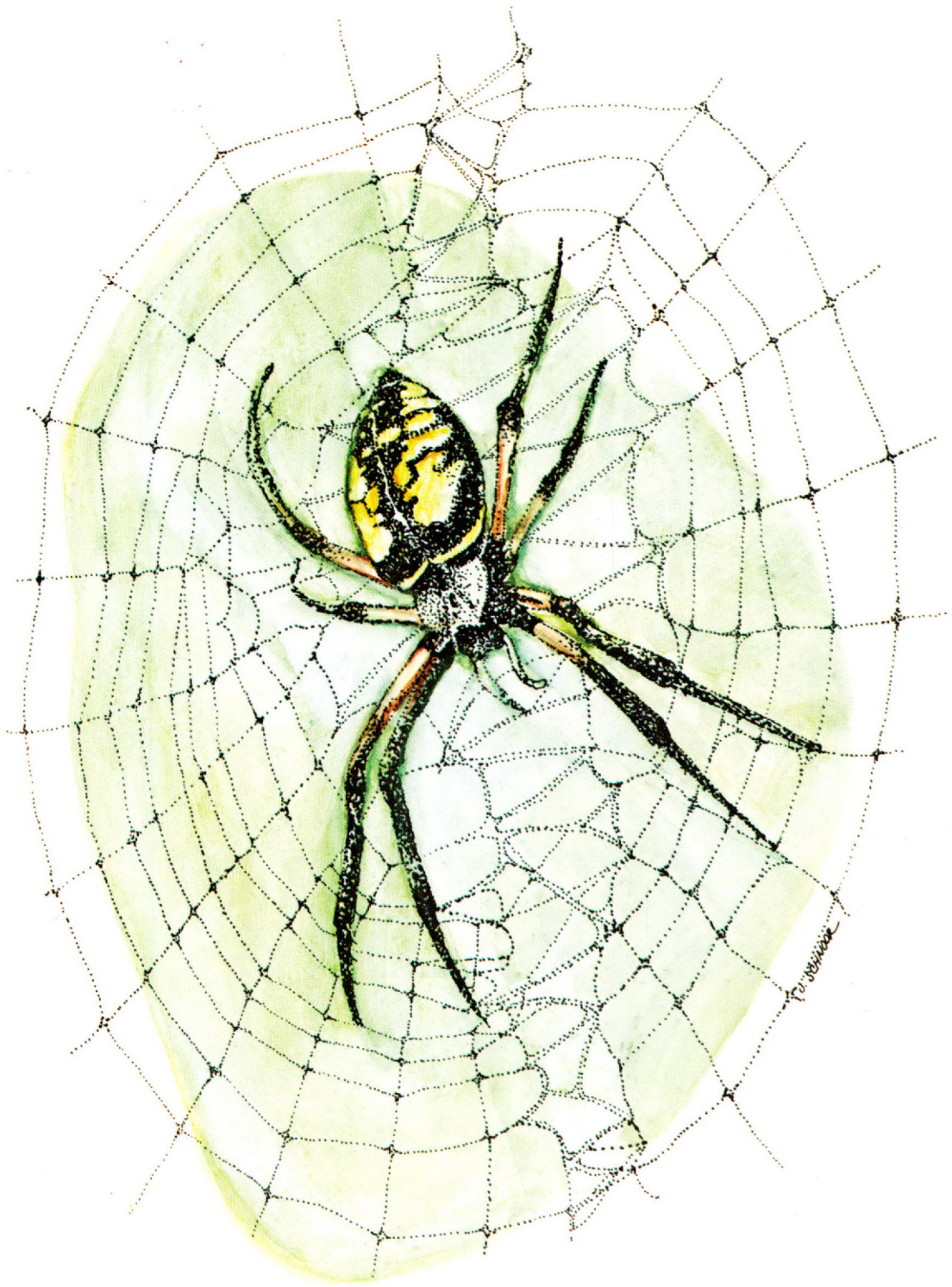


texas parks & wildlife
**annual
report**
1972-73



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annual report 1972-73

**OF THE
TEXAS PARKS AND WILDLIFE DEPARTMENT
FOR THE FISCAL YEAR 1972-73
September 1, 1972 through August 31, 1973**

**MEMBERS OF THE COMMISSION
JACK R. STONE, Chairman, Wells
PEARCE JOHNSON, Austin
JOE KIRK FULTON, Lubbock
BOB BURLESON, Temple
JOHN M. GREEN, Beaumont
LOUIS H. STUMBERG, San Antonio**

letter of transmittal

The Honorable Dolph Briscoe
Governor of Texas
State Capitol
Austin, Texas

Dear Governor Briscoe:

Texans are becoming increasingly aware of their abundant natural resources, and we are proud of the role which the Parks and Wildlife Department plays in the preservation of these resources.

This annual report briefly describes the Department's activities during Fiscal Year 1972-73. We feel that our accomplishments during this period have greatly enriched the lives of all Texans who enjoy the out-of-doors. We eagerly anticipate the coming year and the opportunity to serve under your guidance, the Legislature, and the Parks and Wildlife Commission.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Clayton T. Garrison". The signature is written in a cursive, flowing style.

CLAYTON T. GARRISON
Executive Director

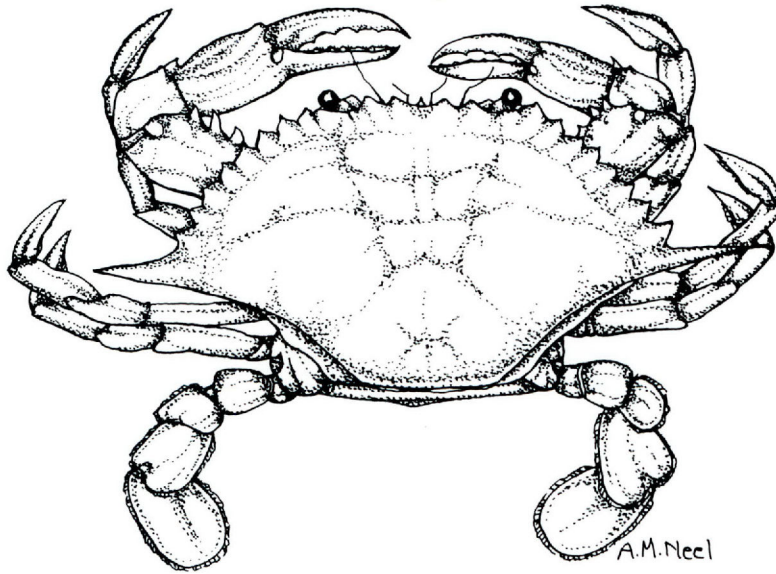
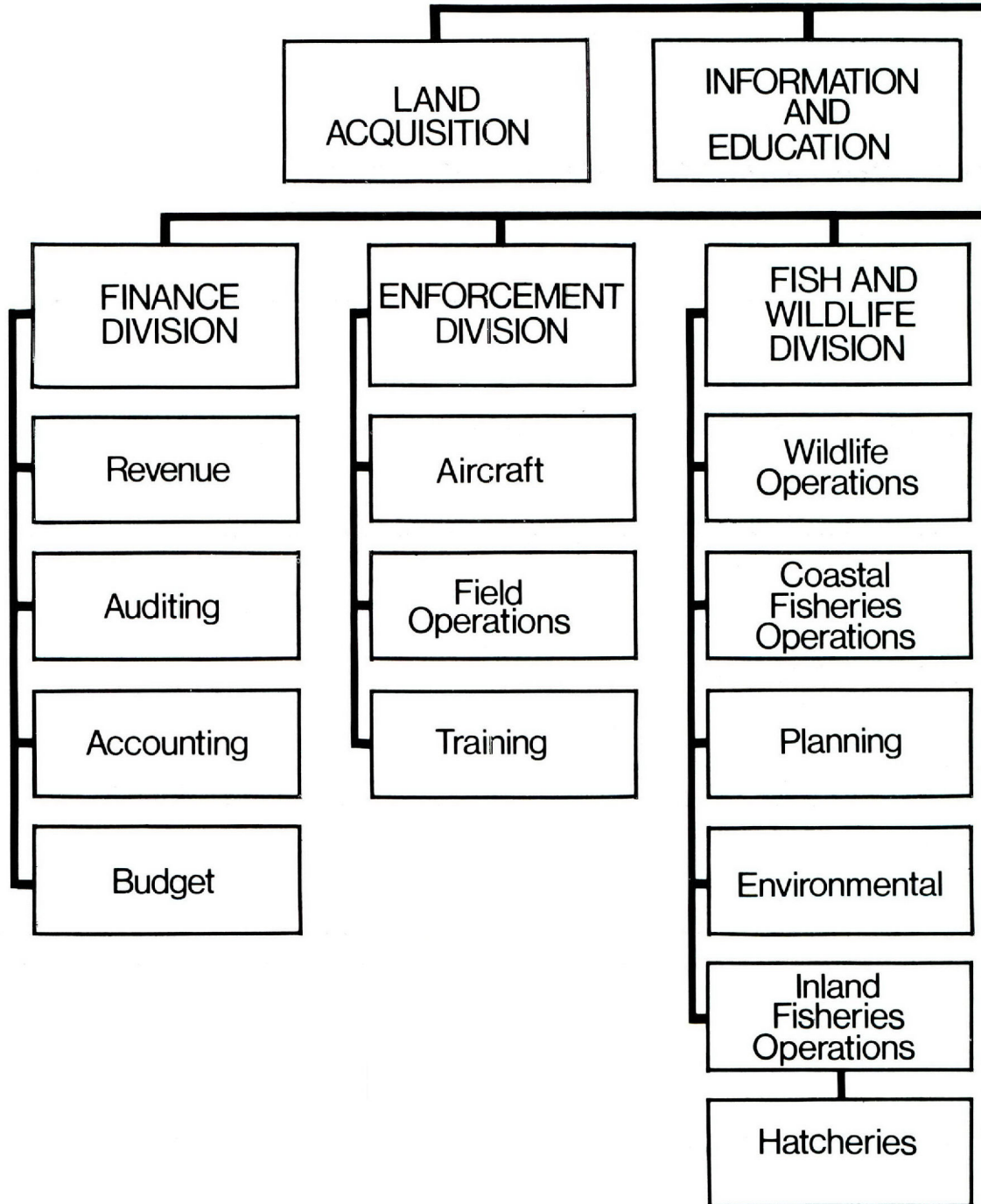


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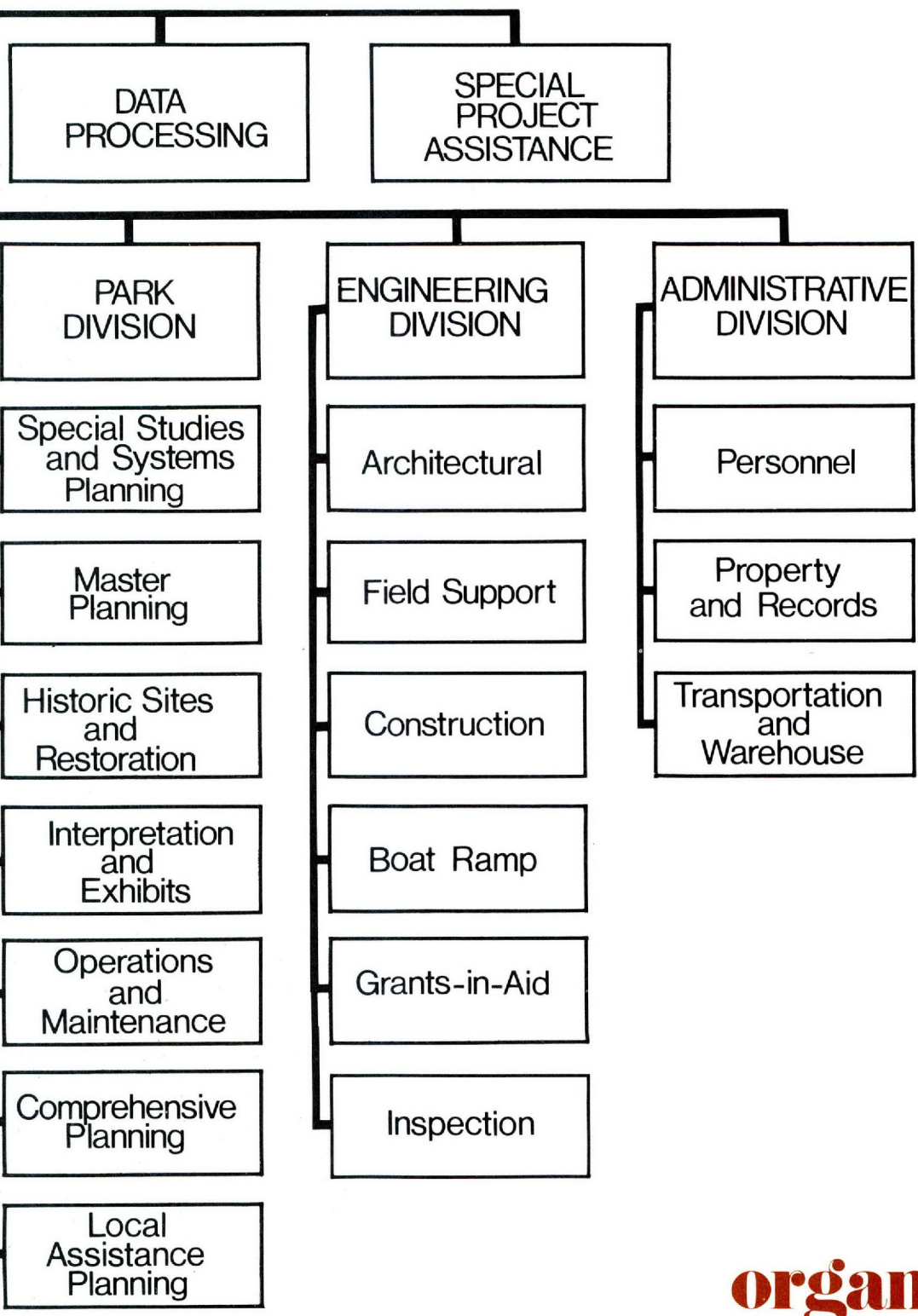
PARKS & WILDLIFE

EXECUTIVE

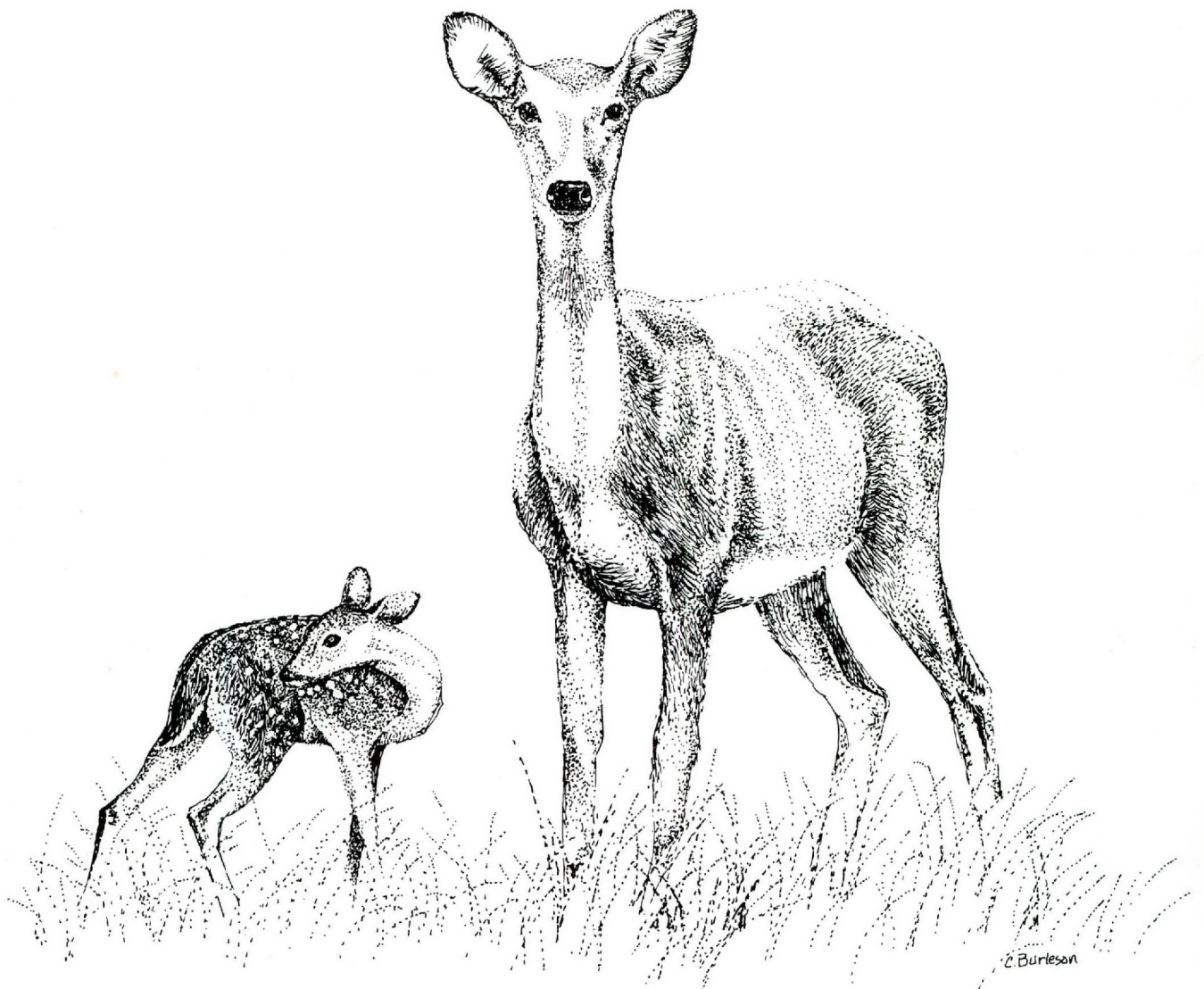


COMMISSION

DIRECTOR



organization



administration

The Administrative Division was reorganized into three major branches in the latter part of fiscal year 1972-73 in order to achieve greater efficiency.

personnel

A Manpower Section was added and other sections were combined to form Personnel, Payroll, and Training, making four sections in all at the present time. Personnel maintains records for 1,809 classified and exempt employees, 178 seasonal and part-time, and 525 hourly, and provides recruitment, selection, and placement services for other divisions. The processing performed by this section and by Payroll is being enhanced by a newly implemented Personnel and Payroll Information System. The Payroll Section supervised a total salary disbursement of \$14,138,796.34 during the year. The Manpower and Training Sections deal with position classification and employee development.

transportation & warehouse

This branch is responsible for developing and maintaining transportation, motor pool, warehouse, surplus sales, and radio communication activities. The Warehouse is accountable for storage and disposition of \$652,541.36 in consumable supplies and surplus equipment. A fleet of 1,036 vehicles, 552 boats, 563 motors, 510 trailers, and 173 tractors is managed, maintained, and assigned by the Transportation Section. Twenty-five vehicles are assigned to the Motor Pool for use by Austin headquarters personnel in state travel. The Radio Communication Section maintains 1,306 radio units at an original cost of \$877,586.88. Radio technicians travel throughout the state keeping all units operational.

property & records

This branch was reorganized and is now responsible for property accounting, reproduction, publications, library, forms, records, reports, and MTST/MTSC (Magnetic Tape Selectric Typewriters/Composers). The Property Section takes care of accounting, management, and maintenance of all state property within the department, the inventory consisting of 34,286 items valued at \$67,532,163.33. During 1973-74 the Printing Section made 91,458,256 impressions at a cost of \$66,471.88. The Forms and Publications Section controls the preparation and updating of departmental directives and forms and maintains the department's library which has approximately 1,371 recorded and indexed publications. The Records Section has full responsibility for retention, disposition, and micro-filming of records, as well as the important function of identification, evaluation, and monitoring of internal management reports and those required by statutory law. The MTST Section has enabled the department to record on magnetic tape such information as the hunting and fishing guide, license deputy handbook, radio handbook, state park brochures, and numerous other permanent items which may need occasional revision.



land acquisition

Three new parks were acquired by the department during the fiscal year: Mustang Island in Nueces County (3,579 acres); Sea Rim in Jefferson County (14,360 acres) and Sabinal Canyon (1,260 acres) in Real and Bandera Counties.

Additions were made to three existing parks, including the acquisition of 123.749 acres at Lake Livingston, 77.053 acres at Lyndon B. Johnson, and 0.65 acres at Fort McKavett.

In total, 19,420.452 acres were purchased or acquired at a cost of \$6,643,062.95. In addition, as of August 31, 1973, the department had nine contracts of sale outstanding, representing 3,055.71 acres of land to be purchased.

parks historic sites & restoration

Fiscal year 1972-73 saw completion and commission approval of the Parks and Wildlife Department Historic Sites and Restoration Program. Its preparation a result of the Historic Sites and Structures Act, the program includes a statement of policy governing acquisition, development and operation of historic sites, evaluations of existing sites, and evaluation and recommendations for acquisition of additional ones.

The branch also began preservation plans for selected sites and directed archeological programs at Fort Griffin, Fort McKavett, General Zaragoza's Birthplace and Mission Rosario.

In addition, it directed preservation and restoration construction at General Zaragoza's Birthplace Unit of Goliad State Historic Park, Fort Richardson State Historic Park, Rice Stagecoach Inn at Mission Tejas State Historic Park, and Lyndon B. Johnson State Historic Park.



SCHNOOR

local assistance

The Local Assistance staff provided master development concepts for parks in the cities of Bellville, Seadrift, Colorado City, Lone Oak, Colleyville, Fredericksburg, Neylandville, Cumby and Dilley, and in Hays, Falls and Menard Counties.

Technical consultation and drawings were also provided for the cities of Elgin and Cisco.

At the close of the 1972-73 fiscal year, 16 formal requests for local park planning assistance had been approved for completion during the next fiscal year and five additional cities and counties had indicated they also would apply for such assistance.

master park planning

Development plans this year were completed for eight parks: Sea Rim; Port Lavaca; a new, potential, Gulf Coast Fishing Pier; Lake Somerville State Park Trailway; Eisenhower; Meridian; Martin Dies, Jr., and Inks Lake; substantially completed on four parks: Lyndon B. Johnson; Hueco Tanks Phase II; State Railroad Phase II, and Mustang Island; and 50 percent completed on Possum Kingdom State Park and a new park under acquisition.

In addition, the branch assisted the Engineering Division in monitoring the design development of construction for 17 state parks: Lake Brownwood; Lyndon B. Johnson Phase I; Abilene Phase II; Varner Hogg; Stephen F. Austin; Copper Breaks; Lake Somerville; State Railroad Phase I; Lake Livingston; Galveston Island; Sabine Pass; McKinney Falls; Lake Fairfield; Goose Island; Lake Colorado City; Lake Arrowhead; and Pedernales Falls. Construction was monitored through the State Building Commission on two projects at Dinosaur Valley and Buescher state parks.

The branch provided field training for 12 planning personnel, in which they spent two five-day periods including weekends at different parks, to participate in the maintenance, visitor control, and utility operation of each.

The staff located and is in process of making application for cost-sharing funds for park construction, in the amounts of \$5.11 million with the Soil Conservation Service and \$2.24 million with the U.S. Army Corps of Engineers.

special studies & system planning

Important functions of the branch included partial development and maintenance of a State Park System Plan, evaluation of potential park sites and preparation of in-depth conceptual studies for existing parks or special projects.

During the fiscal year, 74 potential sites were investigated as to qualities desirable for recreation development or natural or historical values of statewide significance. Twenty-eight were presented for the commission's consideration and 26 others informally brought to its attention.

A development study for San Jacinto Battleground State Park was presented to the commission, defining responsibilities, priorities and goals. A similar study for San Jose Mission State and National Historic Site was nearing completion at the year's end.

An update of the "land needs" portion of the State Park System Plan was completed for the commission as a selection aid in park acquisition for the fiscal year.

The branch staff also monitored nine potential park studies being made through interagency contract by Texas Tech University and four with the University of Texas. The staff completed recreation analyses for five parks master-planned during the year, and jointly reviewed 12 documents or projects related to outdoor recreation to assure consideration of the department's views

interpretation & exhibits

Full appreciation of our state parks and historic sites requires insight into their many outstanding features. Providing interpretive facilities and programs to help park visitors gain such understanding is the purpose and function of this branch.

Research was carried out in the fields of archaeology, biology, geology, and history. A major excavation project conducted at Hueco Tanks State Park resulted in discovery of a late prehistoric village site probably occupied between A.D. 1200 and 1400. Also completed during the fiscal year were an archaeological survey and test excavations at McKinney Falls State Park.

The second year of an erosion control study was completed at Pedernales Falls State Park, and work leading to plans, developments or improvements on nature and hiking trails in five state parks was accomplished. A booklet, "Trail Hints," was assembled for distribution to park superintendents and wildlife area managers, to assist in developing public trail facilities. Numerous other research was performed to facilitate branch projects and master planning, engineering, historic sites planning, and park operations at 11 state parks.

Contractor-completed exhibit fixtures were installed in the visitor center at Fort Griffin and interpretive units prepared by the exhibits preparation shop were delivered to Forts Lancaster, Richardson, Griffin and McKavett and to Goliad State Historic Park. At year's end, the preparation and installation of exhibits in the headquarters building at Goliad was nearing completion and a contract for construction of exhibit cases and panels in the mission granary had been let. Exhibits covering park orientation, natural history and history were installed in the visitor center at Caddo Lake State Park and the project was completed with the installation of interior furnishings.

comprehensive planning

Long-range planning is necessary to insure the wise use of available lands to meet present and future demands of a growing population for outdoor recreation opportunities.

The Comprehensive Planning staff during the fiscal year was involved primarily in updating the Texas Outdoor Recreation Plan. This plan is a guide for acquisition and development of all outdoor recreation resources in Texas and qualifies the state and its political subdivisions for participation in federal programs such as the Land and Water Conservation Fund.

Data obtained from federal, state and local governmental agencies and private entities responsible for outdoor recreation facilities are used in the Texas Outdoor Recreation Plan to assist in determination of need for additional recreation areas, as well as provide an overall picture of future governmental and private enterprise plans.

The Texas Outdoor Recreation Task Force, composed of a representative of the Governor's Office, Division of Planning Coordination, each of the regional councils of government, and the Parks and Wildlife Department, was established for the exchange of information and ideas as well as to implement the Texas Outdoor Recreation Plan as the various volumes are completed.

Information from the plan was used to establish a priority ranking for: allocation of the Land and Water Conservation Fund; proper placement of departmental public boat ramps; acquisition and development of state parks, and to give planning assistance to other departmental branches and state, federal and local agencies.

"Outdoor Recreation in the Urban Areas of Texas," one of the 10 volumes comprising the Texas Outdoor Recreation Plan, was prepared for final printing and public distribution. Two additional volumes were completed in draft form: "Outdoor Recreation Activities in Texas" and "An Information System for the Texas Outdoor Recreation Plan."

Models were finalized for use in predicting future demand for specific outdoor recreation activities. Work on "Outdoor Recreation in the Rural Areas of Texas," "Outdoor Recreation on the Texas Gulf Coast," and "Outdoor Recreation: Public and Private" was continued and will be completed next year.

Data collection and mapping for the "Regional Environmental Analysis of the Houston-Galveston Area" were completed. This volume of the plan will contain numerous maps of outdoor recreation resources and will identify possible conflicting land uses.

"Texas Waterways," an investigation of the feasibility of a waterway system in Texas, was completed and a supplemental report, "Texas Waterways: An Analysis" was prepared in draft form. The former discusses the recreation waterway movement throughout the United States and lists potential inclusions in a Texas system. The latter concerns the specific characteristics of waterways in the state.

The staff worked with the Bureau of Outdoor Recreation in the study of the Rio Grande as a national wild river. The resulting federal publication has been distributed to the respective agencies for review and comment. The staff also worked with other state agencies in the establishment of recreation areas along waterways.

A feasibility study for a trails system in Texas was initiated and results will appear in the publication: "Texas Trailways."

park operations & maintenance

This branch expanded considerably during the fiscal year. The five pre-existing departmental regions were divided into nine park regions in which a more effectively coordinated staff provided improved visitor services through better management, greater utilization of labor and equipment, and more stringent maintenance practices.

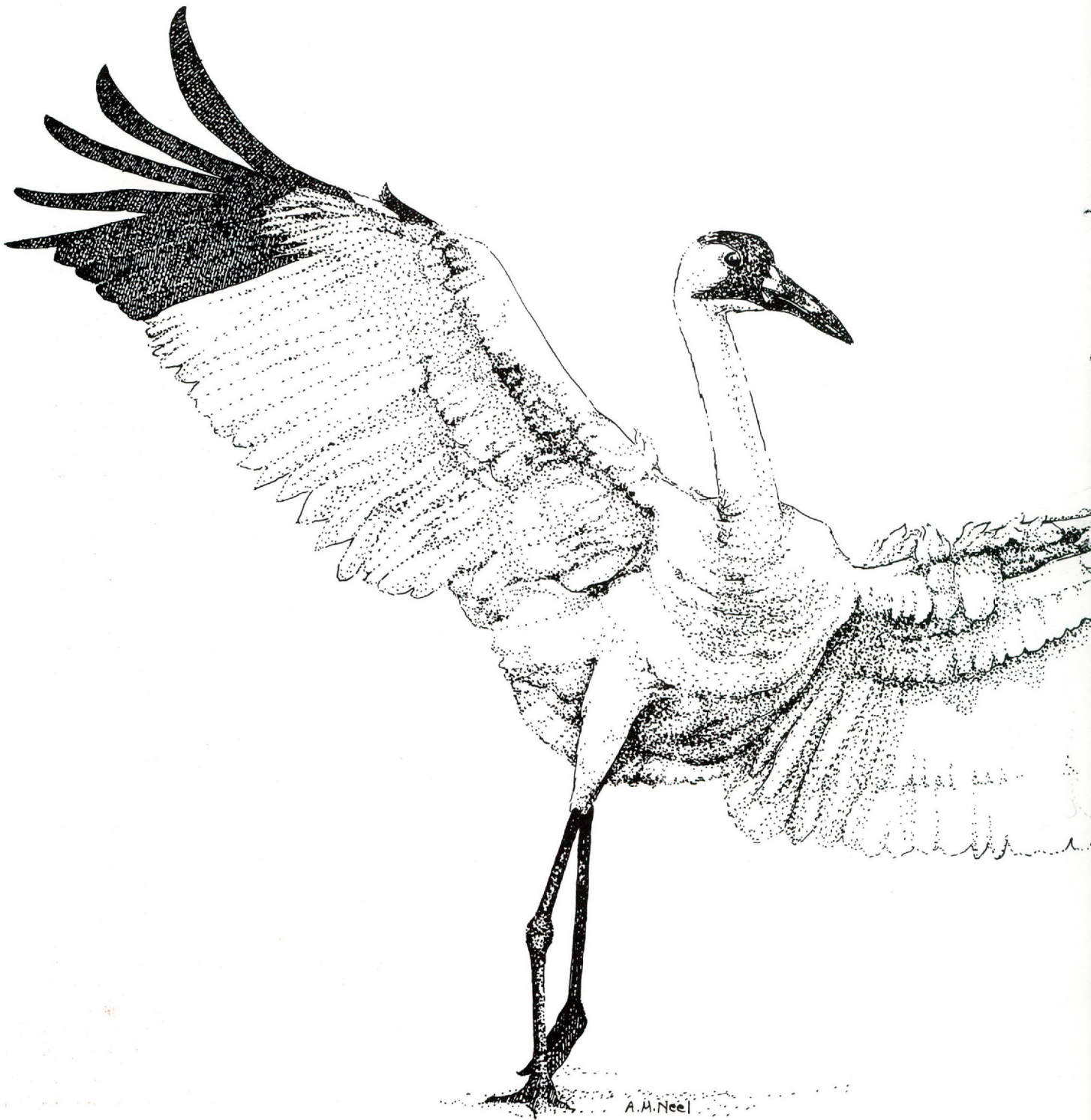
The staff developed and implemented new policies, programs and procedures, including a new law enforcement program with 36 commissioned peace officers; an intensified personnel training program; standardization of the entrance/user fee program; a resource management program in cooperation with the Soil Conservation Service and University of Texas Rare Plant Study Center; and an equipment utilization and rotation system.

In addition, the staff established a uniform standard and procurement program, coordinated a solid waste disposal program with the State Health Department, conducted an extensive study of a park maintenance management program, and reestablished the statewide annual park manager meeting and training seminar.

Three new parks were added to those operated by the staff: Sea Rim, Mustang Island and Sabinal Canyon.

The many improvements to and complex maintenance of facilities by a professional park staff afforded services for over 13 million visiting Texans and tourists, enabling them to enjoy a meaningful recreational experience in the State Park System.





law enforcement

Law enforcement activities throughout the state increased measurably during the 1972-73 fiscal year. Sportsmen and landowners appear to be progressively more appreciative of a sound enforcement program. The field force of game wardens was increased to 335 officers and the department's training academy trained 46 new officers in cooperation with Texas A&M University. A 40-hour, in-service training course in the "Texas Water Safety Act," firearms, defensive driving and public relations was given to 297 game wardens. Additionally, an eight-hour course in defensive driving was presented to 70 departmental personnel outside the Law Enforcement Division by the in-service cadre.

The warden force is broken down into 28 districts, each headed by a supervisor. New districts were created with headquarters at Abilene, Waco, Laredo, Rusk, Tyler and Galveston.

The greatest loss that can befall any organization is the loss of personnel in the line of duty. This happened on July 29, 1973, when Game Warden Ronnie L. Germany was shot and killed in San Augustine County while on routine patrol. The entire department was saddened and shocked by the loss of this fine young officer.

During 1972-73 arrests reached an all-time high, with 23,791 cases completed and fines collected totaling \$521,345.17. An important arm of the state civil defense organization, the Law Enforcement Division quickly dispatches personnel and equipment to areas affected by floods, hurricanes and tornadoes. In 1973, assistance was given in such disaster areas as Burnet, Hondo, Bandera, San Antonio and Hubbard, as well as to local rescue agencies throughout the state in searches for drowning victims.

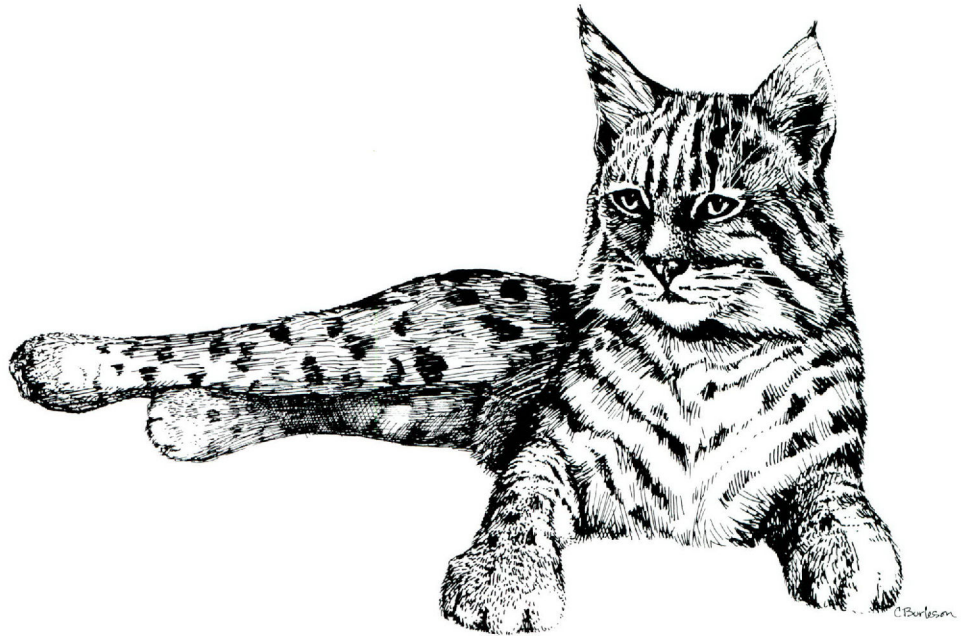
Game wardens continued to patrol all public waters in rescue-equipped boats, for water safety violations and to assist the public. Although boating accidents rose to 236, 69 of them involving fatalities, this was disproportional to the increased number of registered boats, which now totals 433,157. A total of 324 drownings was recorded during the fiscal year. All boating and hunting accidents are investigated by game wardens, who forward appropriate data to Austin headquarters for analysis and statistical purposes.

The department owns and operates four airplanes. More than 500 hours of flying time were utilized in the enforcement of game, netting, pollution and sand, shell and gravel laws.

The department's first 24-hour Communication Center was created to assist the public in reporting all law violations and to disseminate information. Five personnel were employed to operate the center and dispatch information to approximately 100 game wardens and numerous other departmental personnel through two-way radios and teletype facilities. To minimize life and property losses, the center notifies all state parks and departmental facilities of approaching severe weather.

Parks and Wildlife game warden roles continue to grow in all aspects of law enforcement concerning the conservation of our natural heritage. This is what the public demands and what the division is dedicated to provide.





fish & wildlife **wildlife restoration**

The department's wildlife restoration program continued its efforts to remain abreast of assigned goals. Changing land use combined with nature's population life cycles required constant research and monitoring to define problem areas. To accomplish this, as well as promoting sound management and recreational opportunities, 38 field projects were in operation. Virtually all were covered by Federal Aid, which reimburses the state for up to 75 percent of incurred costs.

Counties under regulatory authority of the department, totalling 233, were administered under 10 regulatory districts staffed with biologists and technicians, who conducted wildlife research and surveys to devise sound management and hunting regulations. These personnel were also a prime source of contact with landowners, sportsmen and civic groups.

An unusually severe winter aided Texas hunters by forcing game into increased and abnormal foraging patterns, resulting in a statewide harvest of 362,000 white-tailed deer; 14,400 mule deer; 35,700 turkeys; 7,106,000 mourning doves and 166,000 white-winged doves.

New undertakings included a research program on fawn mortality in East Texas and development and operation of the 8,317-acre Pat Mayse Wildlife Management Area for public hunting and the 3,600-acre Toledo Bend Waterfowl Refuge to enhance hunting in the surrounding

area. Expanded use was made of computers in making game management decisions, and of radio tracking equipment attached to white-tailed deer, Rio Grande turkey, Attwater's prairie chicken and bighorn sheep in order to document daily and seasonal movements and habits.

On wildlife management areas, public group field trips were conducted to demonstrate management relationships between habitat, wildlife and domestic livestock, and increased hunting and fishing opportunities were provided. Research topics at these areas included ecology of desert mule deer, experimental quail habitat manipulation, waterfowl management and relationships between game species and range conditions. Vegetation in selected areas was altered by burning, shredding or herbicide to obtain measurable variation in forage or seed production, and regrowth was studied to develop new range management practices compatible with increasing game.

Life history studies, inventories and management information were collected on various endangered non-game species, such as the bald eagle and red wolf. A night survey along 284 miles of waterways was made, for information on such rare predator species as alligator and otter. Fish-eating bird rookeries were located and mapped in order to protect them from urban and industrial development.

To provide additional hunting, wild-trapped white-tailed deer, Rio Grande and eastern turkey, and pronghorn antelope were transplanted to 40 suitable areas. The most significant restocking involved 595 pronghorns released on 34 areas, mostly to increase their range in Texas. Seven head of desert bighorn sheep were released on their wild ancestral range in the Sierra Diablo Wildlife Management Area, to attempt their reestablishment.

A tract in Jasper County was the first approved under legislation allowing the department to establish a Texas system of Scientific Areas. The 4,042-acre area, typical of the "Big Thicket," will be managed by the department through a 25-year lease from the U.S. Corps of Engineers, and will be preserved for use by graduate students and for field trips by schools and universities.

inland fisheries

The 1972-74 fiscal year was a time of progress by this branch, with new programs added to Federal Aid management and research; state research and management; noxious vegetation control, and fish culture.

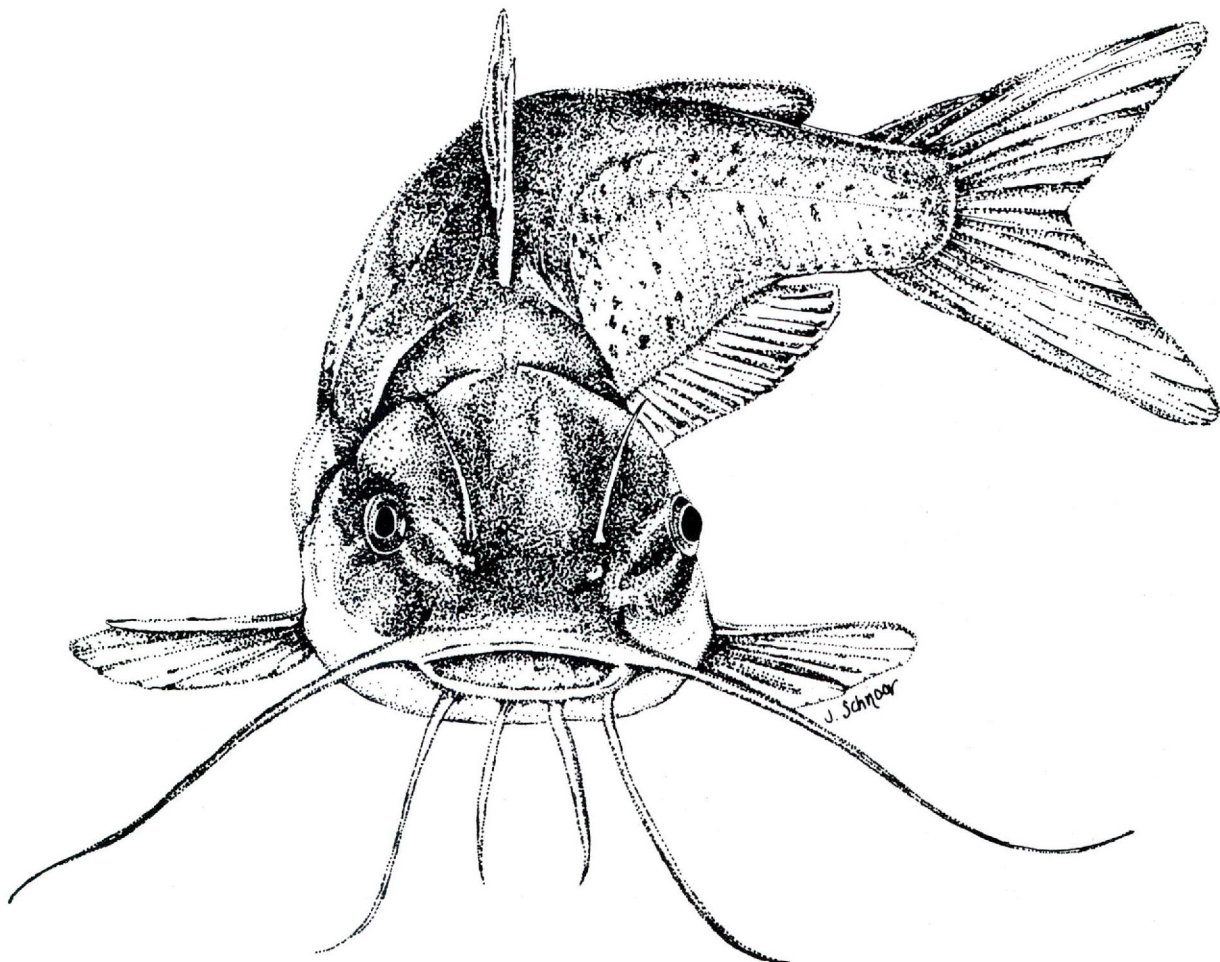
A new management system, initiated for maximum use and production of the 13 fish culture stations, became the nucleus of the fisheries management and research program for public and private waters. Most of the repairs and developments formulated will be completed in the next fiscal year.

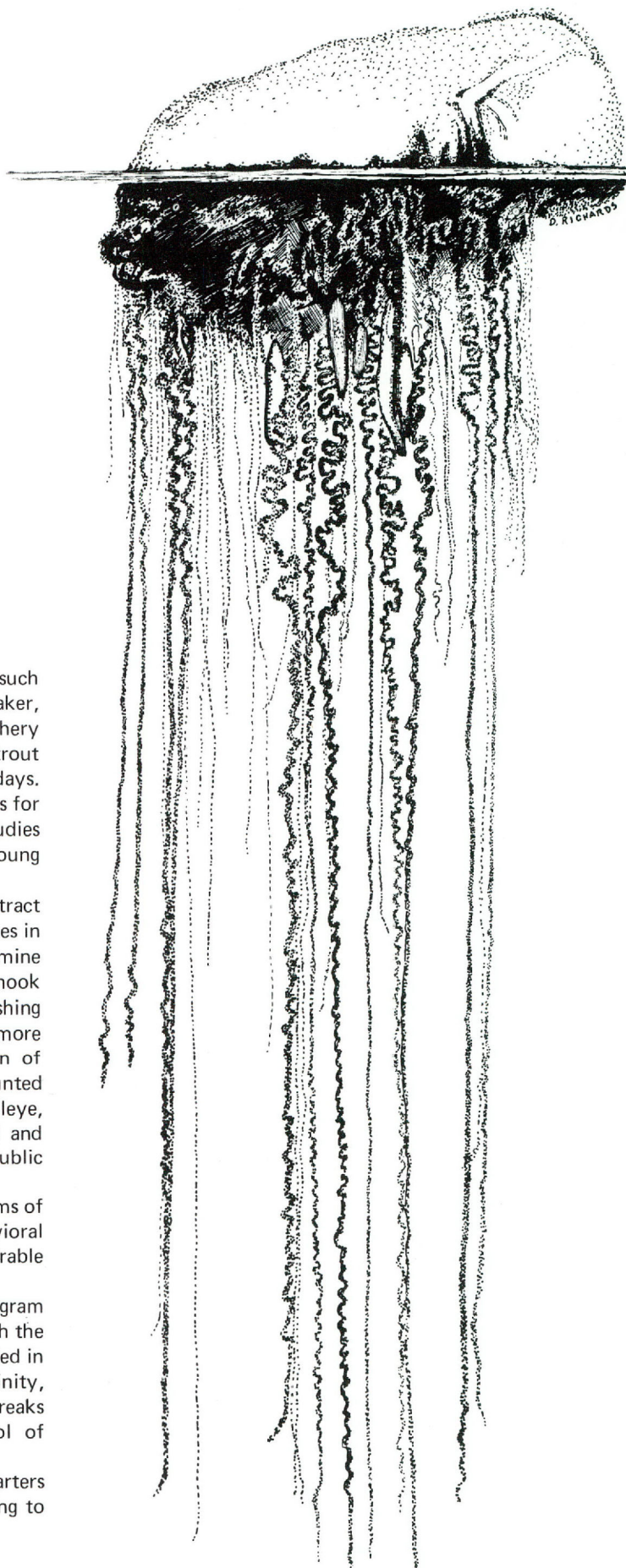
Numbers of fish produced do not indicate success or failure of a culture program, but several accomplishments greatly aided biologists in their program to improve Texas freshwater fishing. Reaching an all-time high in the spring of 1973, over 30 million walleye were produced and stocked in 18 reservoirs. Survival has been good and initial growth excellent. Broodstock was taken from Lake Meredith, the oldest walleye fishery in Texas.

Striped bass is another exotic with great potential in Texas. For the first time, adults were collected from Spence Reservoir of West Texas, and approximately 500,000 fry produced on Spence Lake and cultured to stocking size. These fish and some from other states were stocked into five reservoirs to provide fishing and a brood source. Over 60,000 hybrid striped bass were also produced at Spence Reservoir and stocked into two reservoirs. Overall survival of striped bass and hybrids was excellent.

Rainbow trout became more important in 1973. Lakes Rita Blanca and Meredith were experimentally stocked with rainbow and brown trout. Rita Blanca Reservoir proved to be more suitable for rainbow trout, and additional production was programmed. Research indicated rainbow trout could be grown from fry to catchable fish in most culture stations in the fall and winter and in some installations throughout the year. Continuing creel survey of the Possum Kingdom tailrace has shown trout stocking provides increased fishing.

State hatcheries produced Florida and Florida/native largemouth bass for stocking in research ponds for growth comparison with native largemouth bass. Mt. Pleasant Reservoir was stocked with Florida largemouth bass in 1973. Smallmouth bass brooders were imported from Tennessee and future young will be experimentally introduced into suitable reservoirs of North Texas and the Edwards Plateau.





Significant advances were made in the culture of such marine fishes as red drum, black drum, Atlantic croaker, flounder and spotted seatrout. At Olmito Fish Hatchery redfish, Atlantic croaker, black drum and spotted seatrout were successfully hatched, but survived only a few days. Future research will perfect production of marine fishes for stocking into freshwater reservoirs of high salinity. Studies continued at Sheldon on techniques to change young croakers and redfish from marine to freshwater.

Other specialized studies included effect of contract rough fish removal on culture and survival of sport fishes in East Texas; sending two biologists to Africa to determine the feasibility of importing the gigantic freshwater snook (Nile perch) to heated reservoirs in Texas, for sport fishing and rough fish control; how to improve fishing in the more than 300 public reservoirs of Texas; and evaluation of walleye and flathead catfish as controls for stunted sunfishes, and fishermen harvest of striped bass, walleye, rainbow and brown trout and the hybrid of striped and white bass. Pollution monitoring and surveys of public waters continued to help preserve aquatic resources.

A new research study on communications systems of fishes found evidence that fish mating and other behavioral sounds may be used to attract and control undesirable fishes.

The statewide noxious vegetation control program completed its fourth year. Under a grant program with the U.S. Corps of Engineers, water hyacinths were controlled in the Nueces, Guadalupe, North Coastal, Sabine, Trinity, Neches and Cypress watersheds, as well as small outbreaks in previously treated watersheds. Biological control of water hyacinths and alligator weed was planned.

Regional directors, biologists and headquarters personnel provided advice for maintaining good fishing to over 1,000 private lake and pond owners.

coastal fisheries

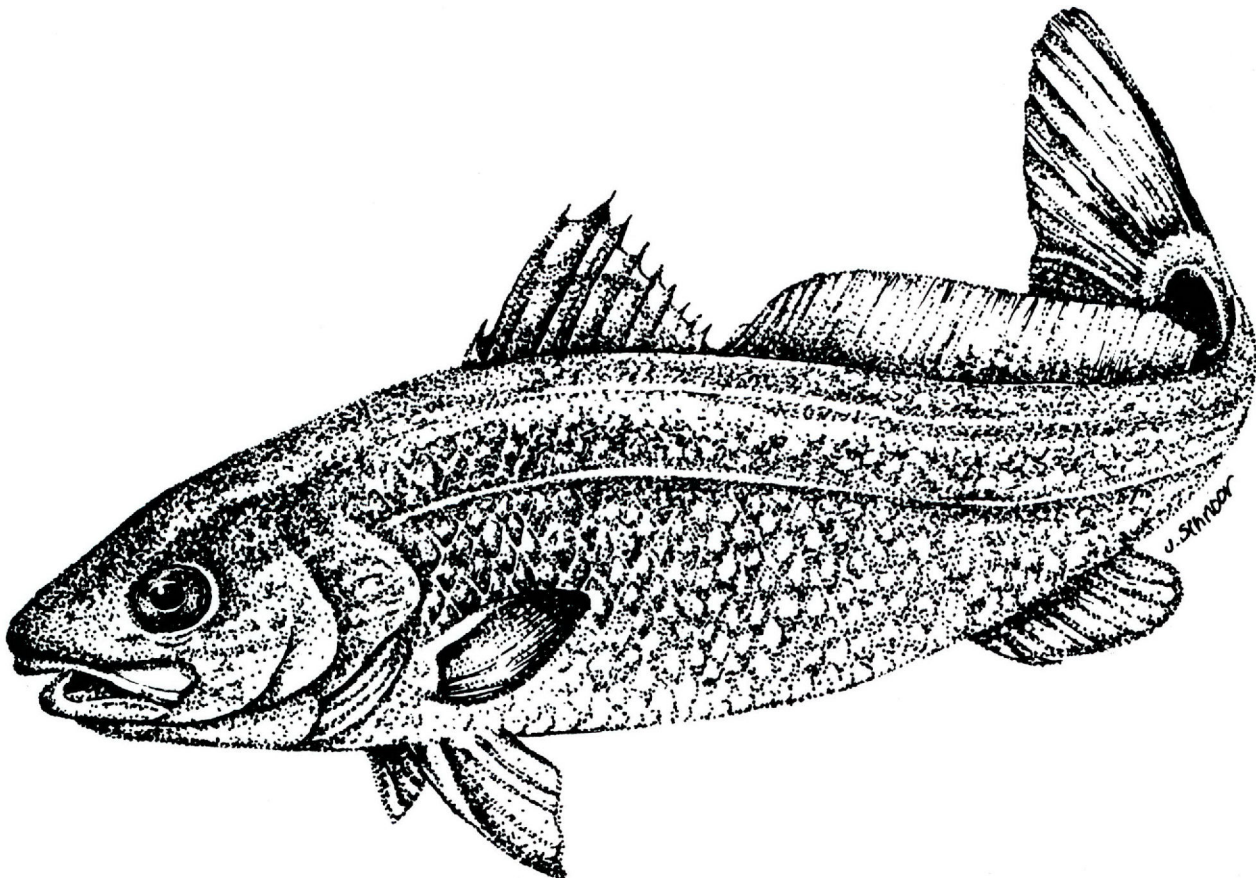
Galveston Bay Area: Mapping of oyster reefs was begun to provide information on productive oystering areas. Spring flooding caused heavy damage to reefs in some areas, and no significant spat set occurred through late summer. A two-year fisheries study of Christmas Bay was completed and indicates areas of aquatic vegetation are best nursery areas for finfish and crustacea, and that the south shore is an important nursery ground for redfish and speckled trout. The effects of a power plant operation were determined in a "before and after" study of Cedar Bayou (upper Galveston Bay) and Trinity Bay. Also, a fishery investigation of the sparsely populated coastal region southwest of Freeport was undertaken.

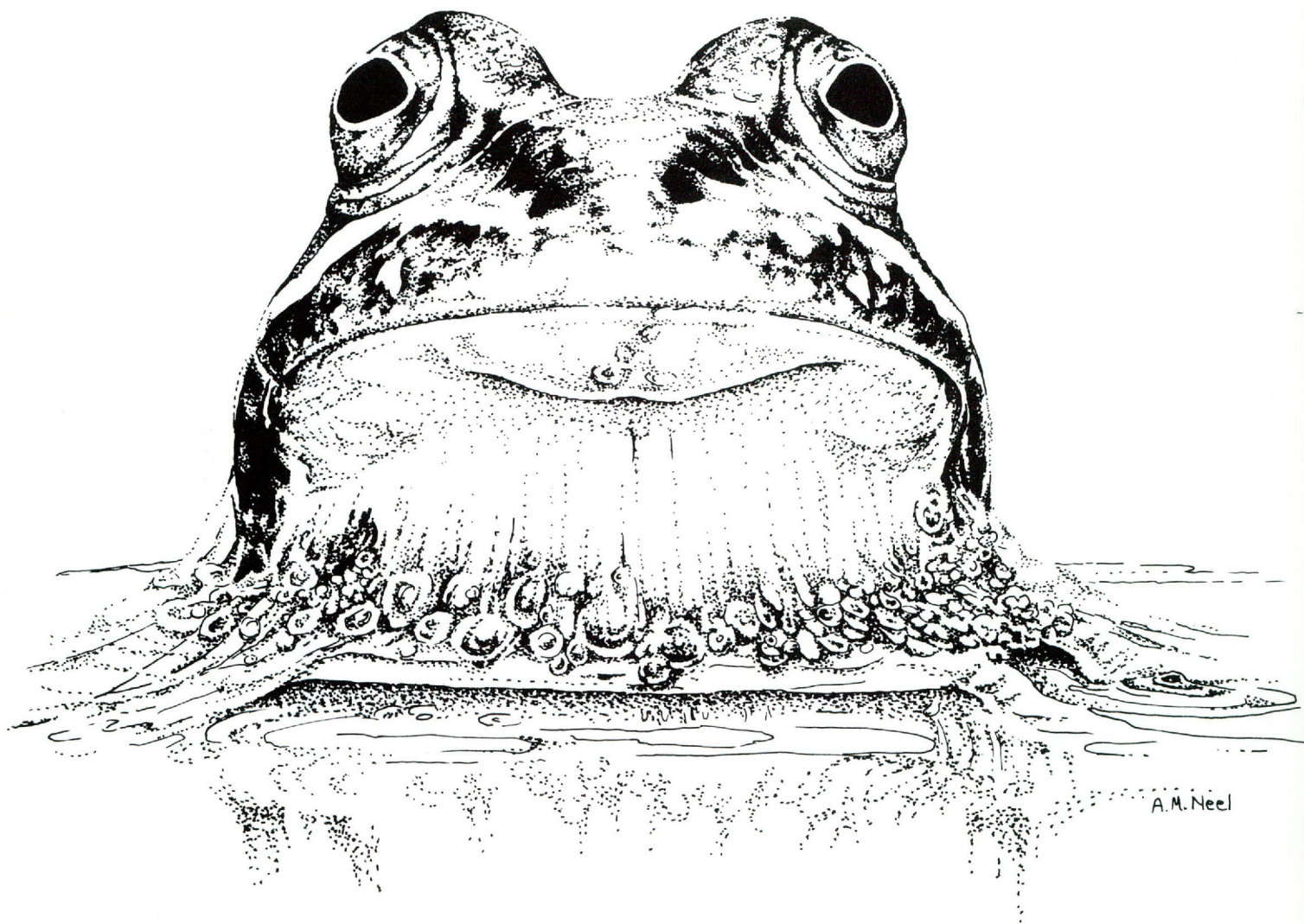
Matagorda Bay Area: The first phase was completed in August, 1973 of studies in cooperation with the Texas Water Development Board on fish and shellfish, to determine amounts and influence of freshwater inflows from the Lavaca and Navidad watershed on the Matagorda Bay estuarine complex. Also in August, a fish and shellfish study was completed of Chocolate Bay, Calhoun County, which is a nursery area for species of sport and commercial value.

San Antonio Bay Area: The study of the benthic and planktonic organisms of San Antonio Bay continued under contract with the Water Development Board and valuable data were obtained, including the fact that flood waters decreased the organisms markedly. The projects are part of a multi-agency study on maintaining production of commercial and sports species of these bays. This also involves interpretation of aerial photographs of nursery areas, which have been mapped to permit documentation of change. Four mudshell companies removed more than three million cubic yards of shell from San Antonio, Matagorda and Nueces Bays. Dredge locations and sediment on the reefs were monitored to prevent damage. A special study revealed that uncontrolled dredging can result in heavy siltation of exposed reefs, causing mortalities of oysters and bottom-dwelling organisms.

Shrimp Project: In 1973, numerous brown shrimp were lost in upper coastal bays due to a cold early spring and excessive floods, causing financial loss to shrimp and commercial fisheries. Brown shrimp were abundant along the lower coast.

Marine Fisheries Research Station: Reconstruction of laboratory and office facilities is underway, with a bulkhead and redesigned jetty constructed to insure a dependable water supply and boat access. The hatching of approximately 150,000 spotted seatrout was a major breakthrough in fish culture. They are being reared to larger size in saltwater ponds. Culture studies on white shrimp, brown shrimp and oysters were also conducted at the station.





A.M. Neel

Corpus Christi Area: White shrimp were generally more abundant than in 1972, probably because increased rainfall lowered salinities in Nueces and Corpus Christi Bays. An unusually cold spell in April slowed shrimp growth but did not cause mortality to brown postlarval shrimp in this area. A major fish kill occurred in May when thousands of dead mullet washed ashore on Corpus Christi beaches. A bacterial infection was the suspected cause. An aerial survey revealed as many as seven channel dredges operating in the Corpus Christi Bay area during June and July.

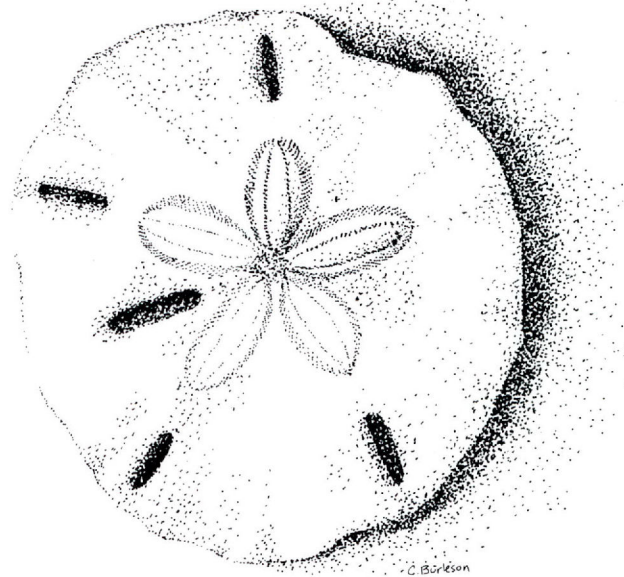
Upper Laguna Madre: Salinities remained relatively low throughout the year due to high rainfall. Juvenile pink shrimp provided a good source of bait, white shrimp catches were slightly lower than last year's, and an excellent crop of juvenile brown shrimp was produced in 1973. Seine samples indicated a late redfish spawn equally as successful as last year's, and trout, flounder, drum and sheepshead were down about 50 percent. Mustang Island Pass, completed in September 1972, has been used extensively as an immigration route for larval crabs, shrimp and other marine organisms, and sporadic, large catches of food-game fish have been made at the pass. The access channel dredged into the Graveyard in Kenedy County proved to be adequate, as no fish were trapped during the year.

Lower Laguna Madre Project: A completed fisheries study of the 17-mile, deep-water Brownsville Ship Channel found it provides nursery grounds for all species of commercial shrimp as well as Atlantic croaker and sand trout, and supports fisheries for bait shrimp, blue crabs, black drum, redfish and robalo. Lower Laguna Madre samples indicated a good crop of juvenile redfish, sheepshead and flounder, but low numbers of black drum and spotted sea trout. There appeared a general slow decline in concentration of pesticides in fish.

Aransas Bay Project: For many years, oilfield brine disposal has been a problem in the tertiary areas of Copano Bay. By order of the Texas Railroad Commission, this was to cease March 1, 1973 in Chiltipin Creek, and in Mission River on June 1. This is expected to increase white shrimp production and sport fishery catches within a year or two. A finfish survey of the surf-zone was initiated, to terminate in December. Brown shrimp and redfish catches were lower than normal because of climatic conditions.

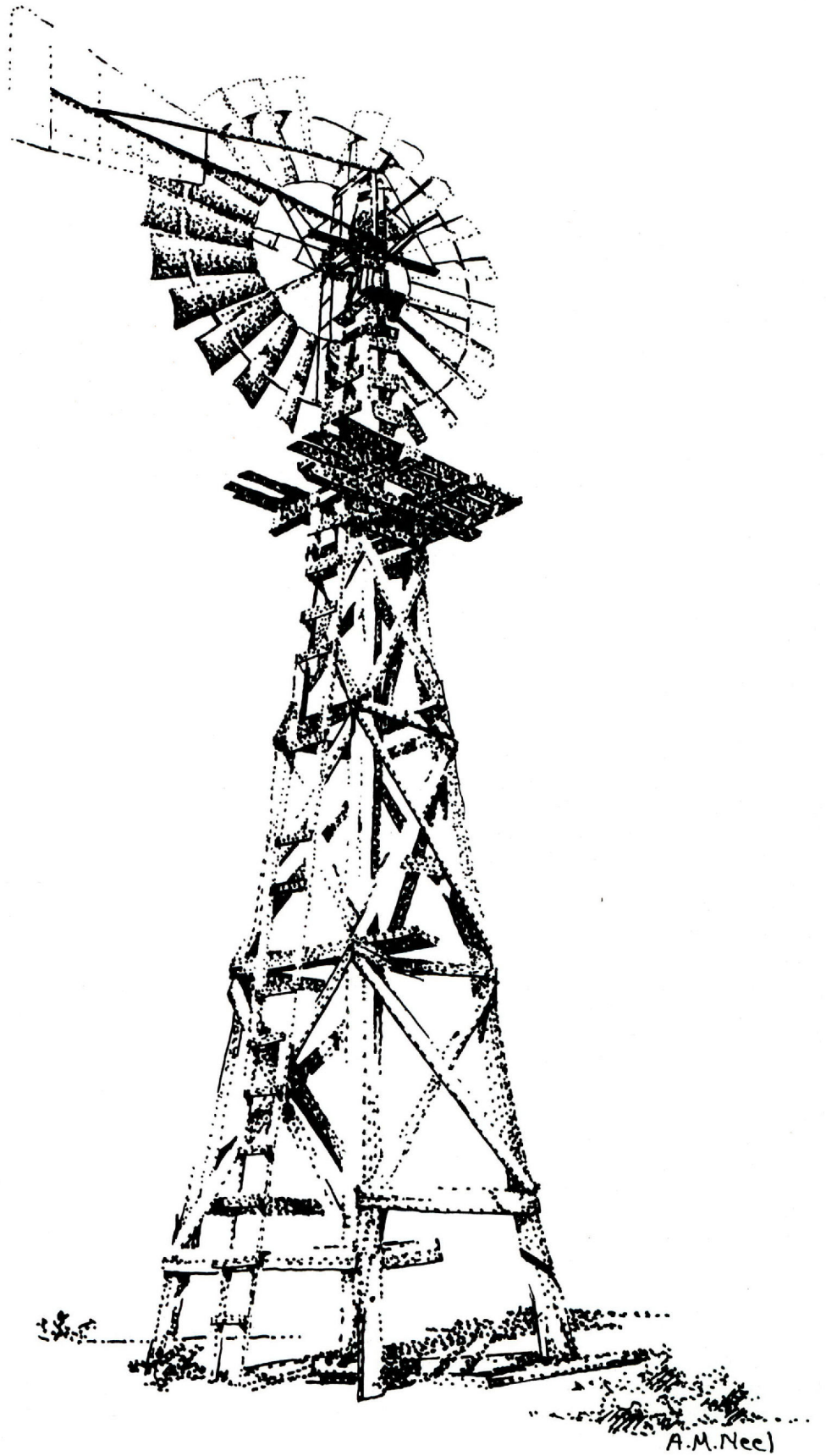
Flounder Research Project: On January 1, 1973 38 sampling stations were established to study the life history of the southern and Gulf flounders in the vicinity of Aransas Pass, as well as to collect data on the commercial and sports flounder fishery.

Hydrographic Project: Rainfall was generally higher than in 1972, ranging from 33 inches in the Lower Laguna Madre to 52 inches in the Galveston Bay area. Salinity remained relatively low as a result of the above-average rainfall.



Gulf Research: Research on the life history of the red snapper, movements of commercial shrimp, and midwater trawling was completed in March 1973. Another project, in three phases, was initiated in April 1973, on white shrimp spawning habits; types and amounts of fish and undersized shrimp presently caught but not utilized in shrimping operations; and on life history and locations of rock shrimp, with a view to their exploitation.

Seafood Marketing: To improve consumer appeal for Texas seafood products, a program to upgrade retail quality, display, and merchandising standards was conducted in cooperation with Texas A&M. Assistance to seafood retailers was provided through workshops, special publications, and presentations.



environmental

The diverse responsibilities of this branch include appraisal of water development projects, waste-water discharges and issuance of permits for removal of sand, shell, gravel and marl from state-owned bay and river bottoms, scientific permits and permits for possession of exotic species.

Field activities this year included the investigation of 83 fish kills, 272 pollution complaints, and evaluation of results of water pollution. Seven percent of the fish kills were due to domestic sewage, 14 percent to hypereutrophication, 20 percent to agricultural wastes, and 26 percent to industrial wastes, with an estimate of more than 12 million fish killed by man-made pollution.

Ecological water pollutant studies were made on the Caney Creek estuary, Matagorda County, to determine effects of the Phillips Petroleum Company discharge; the San Antonio River, Bexar County, to evaluate damage due to an oil spill; and Moses Lake, Galveston County, to evaluate impact of the Texas City Sewage Treatment Plant. Studies of the Trinity River, Dickinson Bayou and the Brazos River in Hood and Somervell Counties were continued from the previous year.

Chemists at Seabrook developed a new algal assay procedure for predicting benefits from the removal of phosphorous from domestic wastes. This procedure has been used in Moses Lake, Galveston County; Dickinson Bayou, Galveston County; Brays Bayou, Harris County and Lake Springfield, Limestone County.

A new Regional Chemistry Laboratory was established in Waco and equipped for advanced water and pesticide analyses.

Chemists reviewed over 700 applications to the Texas Water Quality Board for waste control orders. Many necessitated on-site inspections. In addition to the state permit system, the Environmental Branch has initiated a review of the new National Pollutant Discharge Elimination System permits and ocean dumping permits issued by the Environmental Protection Agency.

Water Projects Section: Primary responsibility of this section is the review of projects which may have adverse effects on fish and wildlife resources; it also is involved in coordination of department views on use of pesticides, reviews of U.S. Fish and Wildlife Service Reports, and issuance of permits of various kinds.

This year, 45 environmental impact statements were reviewed and coordinated through the Governor's Office, Division of Planning Coordination, as well as 40 U.S. Fish and Wildlife Service reports concerning federal projects and their potential effects on fish and wildlife resources; 10 Soil Conservation Service Watershed Work Plans; 10 U.S. Army Corps of Engineers dredging specifications; and 125 State Highway Department Environmental Assessments.

The department was represented at the two meetings of the Pesticide Advisory Committee and at three Corps of Engineers Public Planning meetings. Permits issued included 500 for scientific collecting, 45 alligator, 37 falconry, 5 salvage, 40 mobile beach business and 1,000 tropical fish.

For best possible information on which to base decisions and review comments, the section maintains coordination with other state and federal agencies, private conservation groups and, where possible, the general public.

Permit Section: The section this year reviewed 522 public notices of the Department of the Army pertaining to disturbance of state-owned land under water; processed public hearings on 90 applications for dredging permits, granting 58 revenue permits, 24 non-revenue permits, 7 denials of permits, and 1 suspension of action due to litigation with GLO; granted 8 amendments to general shell dredging permits, and 2 special shell dredging permits, and denied 2 special shell dredging permits. The revenue to the state for sand, shell, gravel and fill material was \$1,635,063.00

fish & wildlife planning

Chief among the goals of this branch is to determine the amount of increase in fish and wildlife necessary to keep pace with demands of the growing population and decreasing habitat. During 1973, supply and harvest were bountiful. Effective handling of existing management programs and habitat is necessary and, through planning, future demand will be estimated and ways to minimize habitat losses developed.

An initial step is to determine current demand and harvest. This year, the first statewide hunter survey yielded valuable information: approximately 375,000 deer and 35,740 turkey were harvested. Another statewide survey disclosed those areas which produced the heaviest deer and largest antlers as well as the average age of the herds.

A publication entitled, "Programs, Accomplishments and Future Plans for Wildlife Management Areas in Texas" was prepared and, for the first time, combined costs, goals and program details for each area, to furnish a valuable reference.

One of the staff's major efforts was a summary of all the projects of the Fish and Wildlife Division for fiscal years 1974 and 1975, with estimates of the manpower and fiscal resources needed for best results. This document will be of value to the operations staff in conducting new programs. It also is a decisive move toward comprehensive, statewide research and management.

engineering

construction

Successful completion of all the department's construction projects is the primary function of the Engineering Division. Major tasks are state park capital improvements, wildlife land improvements and major repair and renovation programs. These utilize in-house design, private consultants and interagency contracts.

Consultant-designed park development projects completed this year were a sewerage system at Cleburne State Park and multiple facilities at Abilene, Lake Colorado City, Goliad, Lake Somerville, Hueco Tanks, and Lockhart State Parks. Staff-designed projects included a new water system for Longhorn Cavern State Park, multiple facilities at Mission Tejas and Possum Kingdom State Parks, and buildings at Goose Island, Palmetto, Palo Duro and Kerrville District Office. Rehabilitation of the Texas State Railroad reached a 20 percent completion mark.

Park repair projects mostly staff-designed or by interagency contract, were completed this year on water wells, roads, boilers drainage and sewerage systems.

Wildlife land improvements included water supply development for San Angelo Hatchery No. 1 and Tyler Hatchery, bulkheading at Rollover Pass a flood control study for Seabrook Marine Lab and a waterfowl habitat development study on upper Toledo Bend Reservoir. A jetty construction, groin repair and channel dredging contract at Palacios Marine Lab, and construction of a raceway research lab at Tyler Hatchery were begun.

The staff coordinates technical review of plans and specifications for all locally assisted B.O.R. projects, designs or reviews plans for the statewide boat ramp program, and consults regularly with parks, wildlife, hatchery and coastal fisheries personnel regarding problems of renovation and development.

Two administrative achievements were establishment of a computer-bank, "unit price" bidding procedure and centralized coordination of all the department's interagency contracts with the Texas Highway Department. Such actions should greatly contribute to efficiency and economy of the taxpayer's dollar.

inspection

A team of inspectors was added to the staff this year to insure that all construction work was in accordance with design plans and specifications. Daily or weekly visits were made to each site to help coordinate the work and check each stage. At year's end, 28 construction projects at 22 installations were being inspected, which represented about \$4,000,000 in construction value. In addition, 13 completed projects were inspected just prior to expiration of the one-year warranty period.

architectural

Scenic Development: Landscape architects have launched a program to preserve, enhance and reestablish the natural site character of all department facilities. This involves reforestation, erosion control, reestablishment of wildflowers, development of hiking and nature trails, and other aids to full enjoyment of all facilities and features of an area. Perhaps the most challenging task has been to heal the scars of construction so as to blend with the natural surroundings.

Renovation: The tedious, unending task of maintaining department facilities in good condition is not glamorous but very necessary if the public's investment is to be preserved. The work of this section requires considerable ingenuity and an appreciation for the materials, design and craftsmanship of the past, as may be found in an unusual water tank, a stately lookout tower, a vintage group hall or a massive picnic pavilion, each characterized by beauty of form and ornament in rugged masonry, hewn woods and wrought metals. This year, \$452,500 was expended toward this essential preservation program.

field support

In the planned program of aerial surveying of departmental facilities, 18 parks were photographed and mapped this year. This represents a total of 51,344 acres of park land at a cost of \$112,017.00. Of the 18 parks, seven were acquired this year; seven more were mapped that had previously had little or no coverage; and four were updated to show improvements made.

Successful boundary surveys this year were made on a total of 16 parks and wildlife facilities. Eleven of the park surveys were made by contract at a total cost of \$66,081.00. One park and four wildlife areas had the surveys done by the crews of the Field Support Branch. The total property covered 22,131.50 acres.

grants-in-aid

Under the Land and Water Conservation Act of 1965, Public Law 88-578, a total of \$8,752,050.00 was approved this past year by the Bureau of Outdoor Recreation for both department and local projects in recreation areas and facilities.

Federal funds received from the Bureau for land acquired and work completed totaled \$4,236,775.58 for state projects and \$3,009,240.14 for local projects.

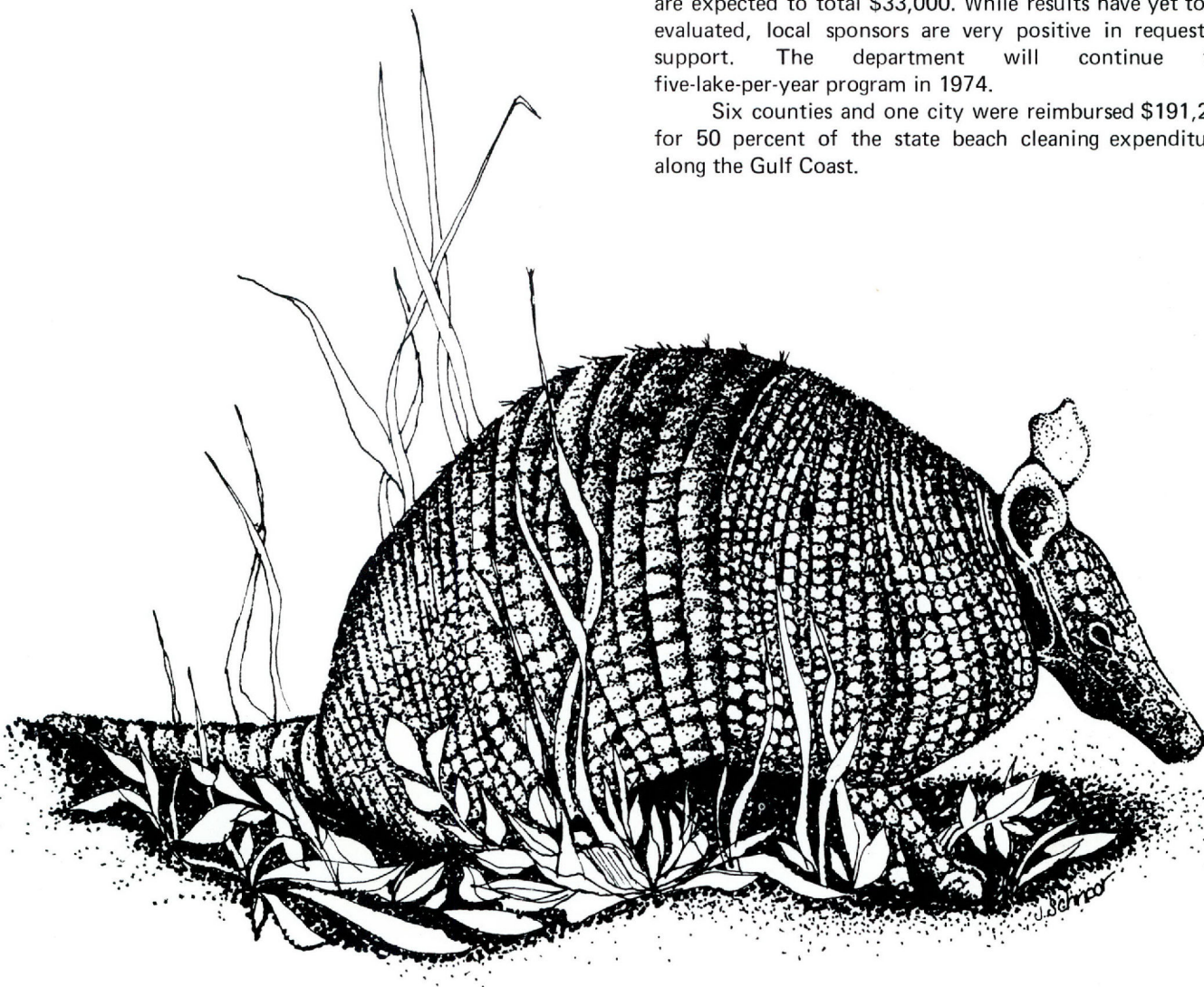
During 1972-73, five state park projects were approved by the Bureau for acquisition and development at Lake Livingston and development at Fairfield Lake, Galveston Island, Stephen F. Austin, and Lake Somerville. A total of 49 varied local projects was approved from 40 different political subdivisions.

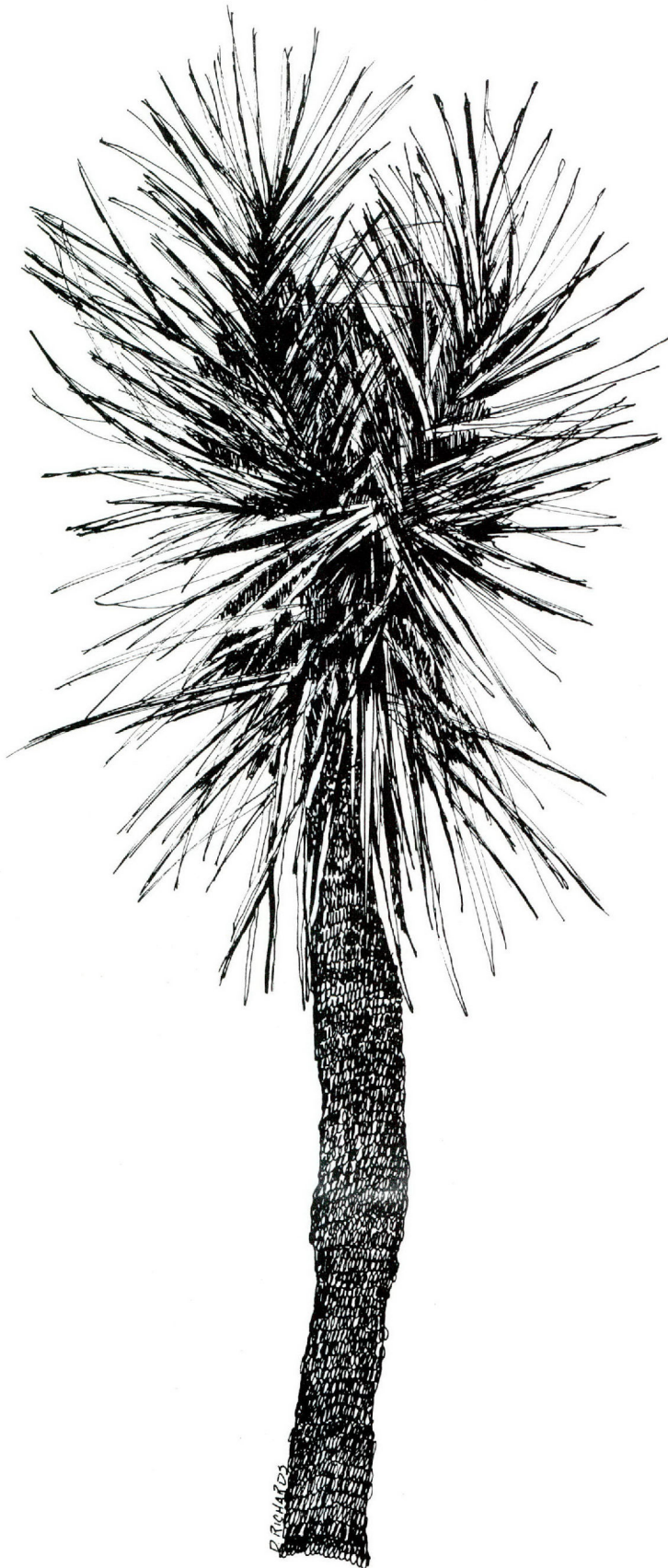
boat ramps

New construction costs for 20 boat ramps totaled \$371,959 of which \$42,700 was provided by Federal Bureau of Outdoor Recreation funds and \$37,235 by local sponsors. Local housekeeping expenditures were reduced approximately 40 percent with the assistance of local cities and counties. The Highway Department maintenance contract was increased to provide more adequate maintenance of ramps located on highway rights-of-way. A total of \$90,000 was expended on 18 rehabilitation projects for better access to boating waters. Goals for the year on new construction were realized, with an average price of \$18,595 per new facility. The test program for chemical sanitation units at some 30 boat ramp locations will be dropped since suppliers will not travel to service them.

Approximately \$27,000 was expended for buoys and markers on five lakes. Installation and maintenance costs are expected to total \$33,000. While results have yet to be evaluated, local sponsors are very positive in requesting support. The department will continue the five-lake-per-year program in 1974.

Six counties and one city were reimbursed \$191,251 for 50 percent of the state beach cleaning expenditures along the Gulf Coast.





information & education

In these days of intensive communication it is more than ever important that the task of presenting information on behalf of the department be handled in an up-to-date and professional manner. Specialists of the I&E division are equipped to keep the public informed on the work and aims of the department and all aspects of outdoor education and regulations, using the full range of communications media.

A respected measure of achievement is the division's continued winning of annual awards of the American Association of Conservation Information, which is made up of information departments from most states and some Canadian provinces. The current awards are reported under the various sections. In the division's present structure, these sections are grouped into two branches.

information

News Service: This year the News Service placed second in AACI competition, for its various programs. These included production of approximately 600 releases for the widely accepted weekly news packets, which are mailed throughout the state to all newspapers, radio and TV stations, outdoor writers, conservation groups and department personnel. Some 20 special releases to the Capitol Press Corps in Austin, including the Associated Press and United Press International, covered fast-breaking, priority news items. In November, 1972, "Live Copy" was introduced especially for radio and TV stations. This is a condensation of major stories from the regular packet, written for broadcasting as news items or public service spots. Actions of the commission in their regular meetings were reported instantly to field personnel by means of 10 "Hotline" newsletters.

The News Service publicized the necessity for increased hunting and fishing license fees and the resulting benefits to sportsmen. One such effort was a brochure entitled "Fund Nine," for distribution in the weekly packet and to outdoor writers, chronicling the increase of department services and costs over the years in relation to license fees, static since 1957. The fees were later increased by the Legislature, in spring 1973.

A plan to increase the extension services of the division was approved during this year and resulted in the creation of 11 separate I&E districts across the state with offices in metropolitan centers of Austin, Beaumont, Dallas-Fort Worth, Edinburg, El Paso, Houston, Lubbock, Rockport, San Antonio, Tyler and Wichita Falls.

The field staff is responsible for representing the department to the public and in the press in the districts, as well as functioning as bureau offices for all of the I&E division's statewide communications programs. Operation of the expanded service began in fiscal year 1973-74.

Graphic Arts: This section during the year provided seven of the eight department divisions with art, editing and writing services ranging from preparing materials for reproduction to a variety of visual aids such as charts, maps and graphs. The I&E division itself accounted for approximately 45 percent of the work performed; the wildlife division for 22 percent; the parks division 15 percent; the executive office and the commission 15 percent, and other divisions the remaining 3 percent.

A major accomplishment was completion of the 1973-74 guide to Texas hunting and fishing regulations and its delivery to the contract printer in time for distribution to the public well in advance of all specified seasons. This was achieved nearly four months earlier than it was last year.

Magazine: The popular TEXAS PARKS AND WILDLIFE Magazine, which reaches more than 90,000 subscribers, this year won first place in the AACI awards, for the fourth time in the last six years. The magazine covers a wide variety of topics of interest to sportsmen and conservationists, including features on hunting, fishing, boating, camping, state parks, fauna, and for the young naturalist.

Motion Pictures: Two 28-minute films were produced this year: "Fish for the Future," concerning department research and stocking of non-native fish in Texas rivers and lakes, and "A Boat is Not a Car," about safe boat operation. Three 60-second, public service television spots on boating safety and four on hunter safety, also were produced.

As well as the completed productions, approximately half the field shooting was done on a game warden film and approximately a quarter on a wild turkey film. These will be 28 minutes each, and will be completed next fiscal year.

Still Photography: An approximate 13,000 slides from 850 assignments have been added to the magazine slide files. The photo lab processed 50 film packs; 620 rolls of 120 mm; 283 rolls of 135 mm, and 565 negatives from color transparencies. Black and white prints totaling 16,525 were made.

education

Hunter Safety: During this fiscal year 3,080 students and 327 volunteer instructors were certified under the Texas Voluntary Hunter Safety Training Program. Since February, 1972, when the program began, 3,908 students have been trained and certified.

A Hunter Safety policy was approved by the commission on July 12, 1973 and implemented by a new directive which decentralizes the program and gives field law enforcement personnel a more active and responsible role.

Water Safety: This year, this section completed "The Texas Skipper's Course," a voluntary boating safety educational program, with an initial order of 39,000 copies. Other publications included "The Little Blue Boating Book" and "Drownproofing." Three television and 21 radio public service announcements were written and produced, and many news stories written for statewide distribution.

A mobile exhibit with videotape and slide capability was established and shown at a number of water shows and fairs, enhanced through distribution of over 2,000 water safety packets. Water safety representatives also made 12 other presentations to the public.

Film Library: Requests for films totaling 5,215 were filled by the film library for an estimated viewing attendance of 756,875 at civic, church, social, business and educational gatherings.

Literature Distribution: A wide variety of literature is maintained and distributed by this section, comprising brochures, folders, leaflets and cards some of them compiled into teacher and pupil packets. Much of the material is produced by the artists and writer of the graphics section. This year 284,426 requests for wildlife literature were filled and 56,267 for literature on parks.

Wildlife Exhibit: The traveling Wildlife Conservation-Education Exhibit, which features a variety of live Texas animals, appeared at 11 events in as many different locations throughout the state, with an estimated attendance of 559,000 for a showing time of 55 days.

data processing

During this fiscal year, data preparation and computer processing were carried out for current computer-based applications including revenue, expenditure and inventory control; accounting for license sales boat registrations, magazine subscriptions, personnel, payroll and many others.

Systems and programming maintenance performed on these current applications was necessary due to changing operational needs, a requirement for additional management information, or by legislative action.

In addition, systems design and computer programming effort was directed toward the development of 11 new or revised administrative applications, and the statistical analysis of 26 scientific and research projects for fish and wildlife management and outdoor recreation planning.

finance

In the 1973 fiscal year 300,170 revenue remittances were processed resulting in receipts (including bond and investment sales) of \$57,485,959.13. These receipts were mainly from the following sources:

License Sales - 4,557 licensed deputies and the Parks and Wildlife Department offices sold 2,793,464 licenses (53 different types), resulting in receipts of \$6,859,386.54.

Cigarette Tax - \$12,527,283.19 was transferred to the Texas Park Fund to be utilized in the planning acquisition and development of state parks.

Sand, Shell, Gravel and Marl Sales - \$1,635,064.95 was received from permit holders.

Fines and Arrest Fees - 21,147 convictions for violations of the Texas Water Safety Act, Game and Fish Laws, and Special Laws of Texas resulted in \$524,412.27 in revenue.

Magazine Receipts - As of August 31, 1973, there were 89,006 subscribers to the Texas Parks and Wildlife Magazine. Receipts from both advertising and subscriptions amounted to \$247,806.21 in 1973.

Boat Registrations - \$1,563,885.80 in revenue was collected from 70,202 original registrations, 145,405 renewals, 37,593 transfers and 3,433 duplicates.

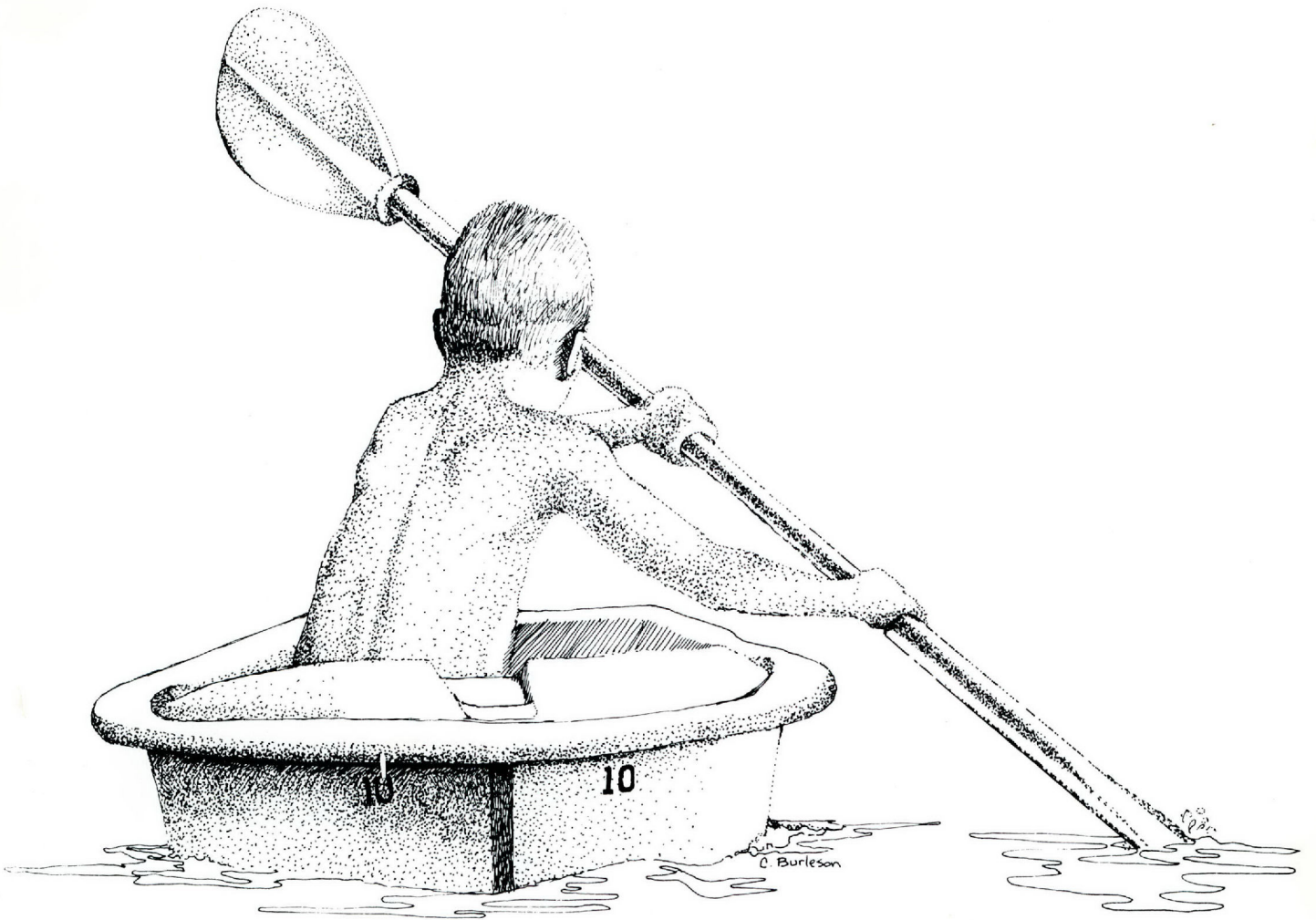
Park Concession and Entrance Fees - Park user fees and concessions accounted for \$1,116,180.78 and entrance fees amounted to \$967,355.91 this year.

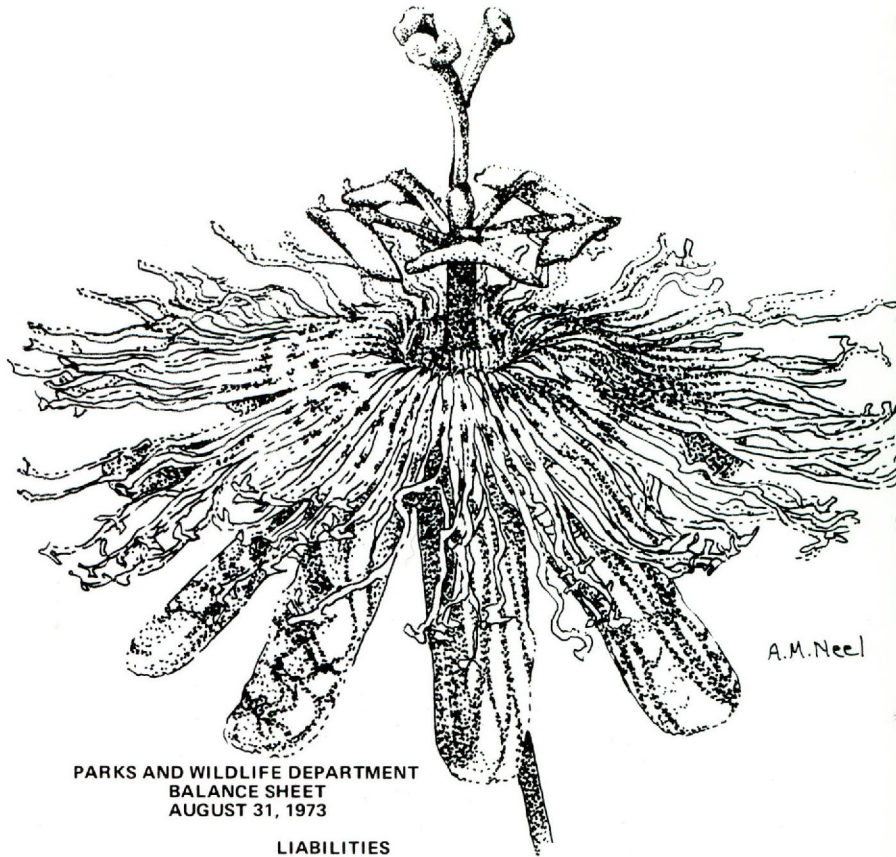
Unclaimed Motorboat Fuel Tax - The department's allocation of the unclaimed motorboat fuel tax amounted to \$1,951,187.22.

Federal Aid - The department deposited \$10,599,232.09 received from federal programs in 1973.

Expenditures totaling \$55,319,552.19 (including bond fund investments) involved 160,797 purchase and 13,907 travel transactions.

Texas Park Development Bond Funds invested totaled \$14,192,279.92 at the end of the fiscal year.





**PARKS AND WILDLIFE DEPARTMENT
BALANCE SHEET
AUGUST 31, 1973**

CURRENT ASSETS

Cash:	
Special Game and Fish Fund No. 9	\$ 2,995,237.86
Texas Park Fund No. 31	17,571,026.09
Special Boat Fund No. 59	3,180,377.20
Land and Water Recreation and Safety Fund No. 63	997,397.25
State Parks Fund No. 64	857,087.86
Land and Water Conservation Fund No. 223	1,913,984.41
Parks Board Mineral Fund No. 267	9,354.34
Texas Park Development Fund No. 408	296,772.88
Parks and Wildlife Operating Fund No. 420	771,286.41
Suspense Fund No. 900	181,757.27
Varner Hogg Trust Account No. 941	12,435.22
Park Fee Trust Account No. 965	255,945.43
Petty Cash	1,000.00
Cash in State Treasury	29,043,662.22
General Revenue Appropriations	953,972.65
Total Cash	29,997,634.87
Accounts Receivable:	
Federal Aid Receivable	1,316,204.79
License Consignments	829,014.72
Boat Registration Consignments	165,180.00
Returned Checks	4,214.43
Subtotal	2,314,613.94
Less Allowance for License Con- signments, Boat Registration Consignments, and Returned Checks	998,409.15
Net Receivables	1,316,204.79
U. S. Government Securities (at cost)	8,241,793.73
Total Current Assets	39,555,633.39
RESTRICTED FUNDS	
Texas Park Development Bonds- Interest and Sinking Fund: Cash in State Treasury	2,210.19
U.S. Government Securities (at cost)	5,950,486.19
Subtotal	5,952,696.38
Stock Certificates-Varner Hogg Trust (at par value)	11,535.00
Total Restricted Funds	5,964,231.38
FIXED ASSETS	
Land	20,253,644.30
Building	14,541,327.18
Non-Structural Improvements	22,896,765.94
Equipment	9,700,315.65
Construction in Progress	3,599,126.67
Total Fixed Assets	70,991,179.74
TOTAL ASSETS	116,511,044.51

LIABILITIES

Current Liabilities:	
Accounts Payable	\$ 10,810,296.48
Accrued Interest on Bonds Payable	264,041.67
Total Current Liabilities	11,074,338.15
Long Term Liabilities:	
Texas Park Development Bonds Payable	15,750,000.00
Total Liabilities	26,824,338.15
RESERVES AND SURPLUS	
Reserves:	
Unexpended General Revenue Appropriations	633,899.92
Reserve for Suspense Fund	181,757.27
Restricted Surplus	5,960,161.91
Less Bond Development Sinking Fund Reserve	2,250,000.00
Subtotal	4,525,819.10
Surplus:	
Invested in Fixed Assets	70,991,179.74
Unrestricted Surplus	27,669,707.52
Subtotal	103,186,706.36
Less Borrowed Funds Invested or to be Invested in Fixed Assets	13,500,000.00
Total Reserves and Surplus	89,686,706.36
TOTAL LIABILITIES, RESERVES AND SURPLUS	116,511,044.51

**STATEMENT OF FUNDS
FOR THE FISCAL YEAR ENDING AUGUST 31, 1973**

	FUND BALANCE 9/1/72	RECEIPTS	DISBURSEMENTS	BOOK BALANCE 8/31/73
General Revenue Fund No. 1	\$ 5,986,134.47	\$ 814.91	\$ 5,032,976.73	\$ 953,972.65
Special Game and Fish Fund No. 9	3,304,617.10	12,530,184.27	12,839,563.51	2,995,237.86
Texas Park Fund No. 31	11,766,637.48	12,527,350.84	6,722,962.23	17,571,026.09
Special Boat Fund No. 59	2,424,747.40	1,844,949.68	1,089,319.88	3,180,377.20
Land and Water Recreation and Safety Fund No. 63	1,133,049.57	2,010,648.62	2,146,300.94	997,397.25
State Parks Fund No. 64 Land and Water Conservation Fund No. 223	683,818.83	1,125,111.17	951,842.14	857,087.86
Parks Board Mineral Fund No. 267	891,450.78	7,359,798.95	6,337,265.32	1,913,984.41
Texas Park Development Fund No. 408	9,750.19	6,964.15	7,360.00	9,354.34
Texas Park Development Bonds, Interest and Sinking Fund No. 409	258,807.93	6,381,522.15	6,343,557.20	296,772.88
Parks and Wildlife Operating Fund No. 420	191,282.95	5,420,869.93	5,609,942.69	2,210.19
Varner Hogg Trust Account No. 941	873,487.79	7,301,739.96	7,403,941.34	771,286.41
Park Fee Trust Account No. 965	12,215.61	6,145.15	5,925.54	12,435.22
	114,680.75	969,859.35	828,594.67	255,945.43
GRAND TOTAL	27,650,680.85	57,485,959.13	55,319,552.19	29,817,087.79

**PARKS AND WILDLIFE DEPARTMENT
COMPARATIVE STATEMENT OF SOURCE AND
DISPOSITION OF CASH**

FUND BALANCE,	FUND 1			FUND 9			FUND 31		
	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*
BEGINNING PERIOD	\$6,044,224.05	\$5,986,134.47	\$58,089.58*	\$6,581,304.04	\$3,304,617.10	\$3,276,686.94*	\$1,902,824.80	\$11,766,637.48	\$9,863,812.68
REVENUE:									
License Fees				6,541,971.73	6,859,386.54	317,414.81			
Sand				40,648.72	35,580.18	5,068.54*			
Shell				1,110,814.84	1,531,534.53	420,719.69			
Gravel				19,509.37	11,922.99	7,586.38*			
Marl				14,369.50	56,027.25	41,657.75			
Fines				329,993.95	428,234.51	98,240.56			
Arrest Fees				12,054.12	15,747.34	3,693.22			
Magazine Subscriptions				192,890.56	229,586.00	36,695.44			
Magazine Advertising				16,065.95	18,220.21	2,154.26			
Federal Aid				1,741,329.83	3,060,831.62	1,319,501.79			
Grazing Leases				40,777.57	85,521.57	44,744.00			
Sale of Equipment				37,050.55	41,484.50	4,433.95			
Sale of Miscellaneous				45.50	551.08	505.58			
Cigarette Tax							12,056,115.53	12,527,283.19	471,167.66
Mineral Lease				4,257.93	6,463.50	2,205.57			
Other Income	45.80	814.91	769.11	87,680.87	149,092.45	61,411.58		67.65	67.65
Audit Adjustments				3,000.00		3,000.00*			
Transfers and Adjustments	18.02		18.02*						
TOTAL REVENUE	63.82	814.91	751.09	10,192,460.99	12,530,184.27	2,337,723.28	12,056,115.53	12,527,350.84	471,235.31
FUND BALANCE AVAILABLE	6,044,287.87	5,986,949.38	57,338.49*	16,773,765.03	15,834,801.37	938,963.66*	13,958,940.33	24,293,988.32	10,335,047.99
DISBURSEMENTS:									
Exempt Positions	\$ 58,424.06	\$	\$58,424.06*	\$ 74,808.23	\$ 86,924.03	\$12,115.80	\$	\$ 41,000.00	\$ 41,000.00
Classified Salaries	2,588,696.13	2,762,023.61	173,327.48	4,473,846.05	4,601,528.15	127,682.10	367,513.70	927,297.53	559,783.83
Seasonal and Part-time	542,805.76	483,939.40	58,866.36*	40,819.14	37,560.21	3,258.93*	528.00	39,426.29	38,898.29
Travel	57,585.43	61,901.87	4,316.44	294,368.28	349,331.02	54,962.74		39,602.40	39,602.40
Professional Fees and Services	31,150.00	26,185.26	4,964.74*	193.50		193.50*	18,950.00	21,750.95	2,800.95
Other Operating Expenses	278,396.25	702,232.17	423,835.92	1,588,380.53	1,606,925.62	18,545.09	123,539.86	248,651.45	125,111.59
Equipment and Furniture	848.58	14.84	833.74*	375,457.98	328,366.19	47,091.79*	9,810.57	16,092.38	6,281.81
Construction in Progress	1,312,314.09	330,046.95	982,267.14*	1,446,258.07	480,366.24	965,891.83*	1,633,000.88	5,275,156.99	3,642,156.11
Refunds, Sand, Shell, Gravel, And Marl				263,352.07	105,826.27	157,525.80*			
Appropriations Lapsed	150,377.74	438,852.39	288,474.65						
Unemployment Benefits					1,509.94	1,509.94			
Transfers to:									
Retirement System				278,675.00	282,600.00	3,925.00	34,600.00	59,600.00	25,000.00
Social Security				214,692.07	259,889.89	45,197.82	17,525.51	53,834.24	36,308.73
Attorney General's Department				29,340.00	29,113.00	227.00*			
General Revenue-Audit Fees				14,527.80	4,716.46	9,811.34*			
General Revenue-Admin. Services				100,000.00	100,000.00				
General Revenue-John H. Reagan Building				26,812.00	26,812.00				
Fund 420	139,253.41	227,780.24	88,526.83	4,246,793.58	4,525,741.65	278,948.07	71,309.00	550.00	70,759.00*
Transfers and Adjustments				9,528.34	11,716.24	2,187.90			
Special Claims					636.60	636.60			
TOTAL DISBURSEMENTS	5,159,851.45	5,032,976.73	126,874.72*	13,477,852.64	12,839,563.51	638,289.13*	2,276,777.52	6,722,962.23	4,446,184.71
FUND BALANCE, END OF PERIOD	884,436.42	953,972.65	69,536.23	3,295,912.39	2,995,237.86	300,674.53*	11,682,162.81	17,571,026.09	5,888,863.28

**PARKS AND WILDLIFE DEPARTMENT
COMPARATIVE STATEMENT OF SOURCE AND
DISPOSITION OF CASH**

	FUND 59			FUND 63			FUND 64		
	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*
FUND BALANCE, BEGINNING PERIOD	\$1,554,934.25	\$2,424,747.40	\$869,813.15	\$1,240,390.14	\$1,133,049.57	\$107,340.57*	796,947.17	\$683,818.83	\$113,128.34*
REVENUE:									
License Fees	1,999,970.82	1,563,885.80	436,085.02*						
Permits				825.00	903.50	78.50			
Fines	73,898.58	77,581.92	3,683.34						
Arrest Fees	2,079.80	2,848.50	768.70						
Park Violations								32.00	32.00
Federal Aid	129,540.41	177,167.00	47,626.59	44,402.66	39,090.33	5,312.33*			
Grazing Leases							100.00	450.00	350.00
Sale of Equipment				23,507.07	19,452.57	4,054.50*	12,678.59	5,152.44	7,526.15*
Sale of Miscellaneous							27.03	75.85	48.82
Deposit Transfer				1,825,373.46	1,951,187.22	125,813.76			
Park Concessions Receipts							1,027,872.02	1,116,180.78	88,308.76
Other Income	13,148.92	23,466.46	10,317.54	3,464.60	15.00	3,449.60*	4,086.35	3,220.10	866.25*
Transfer and Adjustments							2.00		2.00*
TOTAL REVENUE	2,218,638.53	1,844,949.68	373,688.85*	1,897,572.79	2,010,648.62	113,075.83	1,044,765.99	1,125,111.17	80,345.18
FUND BALANCE AVAILABLE	3,773,572.78	4,269,697.08	496,124.30	3,137,962.93	3,143,698.19	5,735.26	1,841,713.16	1,808,930.00	32,783.16*
DISBURSEMENTS:									
Classified Salaries	147,907.39	193,757.27	45,849.88	137,053.04	115,834.92	21,218.12*			
Seasonal and Part-time	1,977.57	1,626.75	350.82*		3,000.00	3,000.00		21,478.64	21,478.64
Travel	1,408.50	4,034.21	2,625.71	24,502.24	17,197.35	7,304.89*			
Other Operating Expenses	187,567.10	129,645.82	57,921.28*	81,228.16	64,595.68	16,632.48*	856,791.04	491,143.78	365,647.26*
Equipment and Furniture	10,968.16	15,925.74	4,957.58	6,814.01	31,121.66	24,307.65	239,764.64	323,306.08	83,541.44
Construction in Progress	417,414.19	203,083.45	214,330.74*				12,623.41	39,566.45	26,943.04
Unemployment Benefits		92.48	92.48						
Transfers to:									
Retirement System	13,086.00	10,850.00	2,236.00*	8,000.00	6,029.66	1,970.34*			
Social Security	7,334.53	10,868.01	3,533.48	10,035.81	6,882.51	3,153.30*	78.38	1,166.61	1,088.23
General Revenue-Audit Fees	517.70	1,096.20	578.50	2,334.63			586.57	8,241.15	7,654.58
Fund 420	563,304.40	518,177.45	45,126.95*	1,734,973.58	1,901,504.21	166,530.63	48,002.76	66,537.43	18,534.67
Transfers and Adjustments	1,981.35	162.50	1,818.85*	117.95	134.95	17.00			
Special Claims								402.00	402.00
TOTAL DISBURSEMENTS	1,353,466.89	1,089,319.88	264,147.01*	2,005,059.42	2,146,300.94	141,241.52	1,157,846.80	951,842.14	206,004.66*
FUND BALANCE, END OF PERIOD	2,420,105.89	3,180,377.20	760,271.31	1,132,903.51	997,397.25	135,506.26*	683,866.36	857,087.86	173,221.50

**PARKS AND WILDLIFE DEPARTMENT
COMPARATIVE STATEMENT OF SOURCE AND
DISPOSITION OF CASH**

	FUND 223			FUND 267			FUND 420		
	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*
FUND BALANCE, BEGINNING PERIOD	\$219,101.07	\$891,450.78	\$672,349.71	\$8,011.98	\$9,750.19	\$1,738.21		\$873,487.79	\$873,487.79
REVENUE:									
Federal Aid	3,248,106.22	7,322,143.14	4,074,036.92						
Sale of Equipment								10,528.06	10,528.06
Mineral Lease				8,429.31	6,862.95	1,566.36*			
Depository Interest	9,753.17	37,655.81	27,902.64				6,631,457.73	7,275,862.43	644,404.70
Operating Fund Transfers								15,349.47	15,349.47
Other Income					101.20	101.20			
Transfers and Adjustments	337.40		337.40*				223.17		223.17*
TOTAL REVENUE	3,258,196.79	7,359,798.95	4,101,602.16	8,429.31	6,964.15	1,465.16*	6,631,680.90	7,301,739.96	670,059.06
FUND BALANCE AVAILABLE	3,477,297.86	8,251,249.73	4,773,951.87	16,441.29	16,714.34	273.05	6,631,680.90	8,175,227.75	1,543,546.85
DISBURSEMENTS:									
Exempt Positions							12,151.50	20,500.00	8,348.50
Classified Salaries	40,814.75	110,850.64	70,035.89				3,475,563.52	4,463,694.48	988,130.96
Seasonal and Part-time	6,476.47	4,900.62	1,575.85*				36,122.61	9,447.17	26,675.44*
Travel	1,452.64	758.35	694.29*				290,690.72	327,522.88	36,832.16
Other Operating Expenses	96,423.37	84,158.64	12,264.73*	6,691.10	7,360.00	668.90	1,086,718.56	1,239,764.35	153,045.79
Equipment and Furniture	3,064.05	6,508.31	3,444.26				657,639.54	791,655.34	134,015.80
Construction in Progress	1,314,350.28	3,225,764.48	1,911,414.20				29,250.00	24,900.00	4,350.00*
Federal Aid to Local Projects	1,106,183.96	2,875,019.59	1,768,835.63						
Transfers to:									
Retirement System	2,475.00	6,673.00	4,198.00				208,330.00	267,150.00	58,820.00
Social Security	3,018.55	7,431.87	4,413.32				156,640.21	259,007.12	102,366.91
Fund 420	7,181.65	15,199.82	8,018.17						
Transfers and Adjustments	4,436.72		4,436.72*					300.00	300.00
TOTAL DISBURSEMENTS	2,585,877.44	6,337,265.32	3,751,387.88	6,691.10	7,360.00	668.90	5,953,106.66	7,403,941.34	1,450,834.68
FUND BALANCE, END OF PERIOD	891,420.42	1,913,984.41	1,022,563.99	9,750.19	9,354.34	395.85*	678,574.24	771,286.41	92,712.17

**PARKS AND WILDLIFE DEPARTMENT
COMPARATIVE STATEMENT OF SOURCE AND
DISPOSITION OF CASH**

	FUND 408			FUND 409		
	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE *
FUND BALANCE, BEGINNING PERIOD	\$ 56,254.00	\$ 258,807.93	\$ 202,553.93	\$ 4,874.69	\$ 191,282.95	\$ 186,408.26
REVENUE:						
Depository Interest	6,031.10	7,289.89	1,258.79	1,330.28	3,522.87	2,192.59
Coupon Interest		258,101.32	258,101.32		85,732.50	85,732.50
Coupon Interest Accrued		9,118.32	9,118.32			
Bond Proceeds	8,500,000.00		8,500,000.00*	1,500,000.00		1,500,000.00*
Sale of Investments	4,332,151.76	5,935,590.10	1,603,438.34	2,543,233.32	4,192,107.30	1,648,873.98
Earnings on Investments	217,617.56	171,141.27	46,476.29*	136,108.19	176,919.70	40,811.51
Premium on Sale of Bonds				5,670.00		5,670.00*
Accrued Interest Purchased	(18,374.75)		18,374.75	(5,824.22)		5,824.22
Accrued Interest on Bonds Sold				71,041.67		71,041.67*
Gain on Sale of Securities		281.25	281.25		2,148.08	2,148.08
Transfers from TA 965				793,000.00	596,000.00	197,000.00*
Transfers from Fund No. 408				933,783.79	364,439.48	569,344.31*
TOTAL REVENUE	13,037,425.67	6,381,522.15	6,655,903.52*	5,978,343.03	5,420,869.93	557,473.10*
FUND BALANCE AVAILABLE	13,093,679.67	6,640,330.08	6,453,349.59*	5,983,217.72	5,612,152.88	371,064.84*
DISBURSEMENTS:						
Professional Fees and Services	13,201.21		13,201.21*			
Other Operating Expenses	2,286.66	177.00	2,109.66*	207,450.00	562,658.33	355,208.33
Equipment and Furniture	5,758.00	5,833.09	75.09			
Construction in Progress	519,836.04	2,953,884.07	2,434,048.03			
Investments in U.S. Government Securities (at cost)	11,360,006.04	2,946,734.04	8,413,272.00*	5,584,484.77	5,047,284.36	537,200.41*
Loss on Sale of Investments		1,046.87	1,046.87			
Transfers to:						
Social Security		400.98	400.98			
Fund 409	933,783.79	435,481.15	498,302.64*			
TOTAL DISBURSEMENTS	12,834,871.74	6,343,557.20	6,491,314.54*	5,791,934.77	5,609,942.69	181,992.08*
FUND BALANCE, END OF PERIOD	258,807.93	296,772.88	37,964.95	191,282.95	2,210.19	189,072.76*

**PARKS AND WILDLIFE DEPARTMENT
COMPARATIVE STATEMENT OF SOURCE AND
DISPOSITION OF CASH**

	TA 941			TA 965		
	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*	TWELVE-MONTH PERIOD 1971-72	1972-73	INCREASE DECREASE*
FUND BALANCE, BEGINNING PERIOD	\$ 10,938.37	\$ 12,215.61	\$ 1,277.24	\$ 181,166.01	\$ 114,680.75	\$ 66,485.26*
REVENUE:						
Park Concessions Receipts	4,397.75	3,382.25	1,015.50*			
Depository Interest				1,447.83	2,503.44	1,055.61
Donations	2,788.58	2,762.90	25.68*			
Park Entrance Fees				924,268.97	967,355.91	43,086.94
Transfers and Adjustments	4.00		4.00*			
TOTAL REVENUE	7,190.33	6,145.15	1,045.18*	925,716.80	969,859.35	44,142.55
FUND BALANCE AVAILABLE	18,128.70	18,360.76	232.06	1,106,882.81	1,084,540.10	22,342.71*
DISBURSEMENTS:						
Seasonal and Part-time				189,303.22	214,006.63	24,703.41
Other Operating Expenses	5,913.09	5,925.54	12.45		6,243.00	6,243.00
Unemployment Benefits					165.62	165.62
Transfers to:						
Social Security				9,847.12	12,179.42	2,332.30
Fund 409				793,000.00	596,000.00	197,000.00*
Transfers and Adjustments				16.00		16.00*
TOTAL DISBURSEMENTS	5,913.09	5,925.54	12.45	992,166.34	828,594.67	163,571.67*
FUND BALANCE, END OF PERIOD	12,215.61	12,435.22	219.61	114,716.47	255,945.43	141,228.96

PARKS AND WILDLIFE DEPARTMENT
Comparative Statement of License Sales

	TWELVE-MONTH PERIOD				INCREASE DECREASE*	
	1971-72		1972-73		NO. OF LICENSES	AMOUNT
	NO. OF LICENSES	AMOUNT	NO. OF LICENSES	AMOUNT		
GAME LICENSES:						
Resident Hunting	767,842	\$2,305,129.82	804,879	\$2,415,620.06	37,037	\$110,490.24
Resident Hunting Exempt	198,490	19,871.70	207,084	20,735.65	8,594	863.95
Hunting Duplicate	2,076	569.25	2,419	665.00	343	95.75
Non-Resident 5-Day Migratory Game	4,086	18,398.00	4,740	21,343.50	654	2,945.50
Non-Resident Hunting	11,067	265,896.00	13,249	318,235.00	2,182	52,339.00
Trapper's	2,440	1,965.60	4,855	3,906.40	2,415	1,940.80
Shooting Preserve	15,248	74,597.50	16,122	78,950.75	874	4,353.25
Retail Fur Buyer	80	400.00	105	525.00	25	125.00
Wholesale Fur Buyer	24	600.00	34	850.00	10	250.00
Game Breeder's	2,000	4,000.00	1,941	3,882.00	59*	118.00*
Hunting Boat	22	44.00	27	54.00	5	10.00
Duck Blind Permit	12	60.00	10	50.00	2*	10.00*
Fur-Bearing Animal Propagation Permit	133	665.00	179	895.00	46	230.00
Non-Resident Trapper's	1	200.00	1	200.00		
Commercial Game Bird Breeder	91	2,250.00	96	2,400.00	5	150.00
Shooting Resort	96	960.00	99	980.00	3	20.00
Non-Resident Shooting Resort Hunting	108	317.70	100	290.50	8*	27.20*
Falconer's Beginner's Permit	8	200.00	3	75.00	5*	125.00*
Falconer's General Permit	9	315.00	5	175.00	4*	140.00*
Falconer's Beginner's Renewal Permit			8	40.00	8	40.00
Falconer's General Renewal Permit			9	45.00	9	45.00
White-Winged Dove Stamp	25,730	74,735.70	29,391	85,301.80	3,661	10,566.10
Permit to Import Game from Mexico			773	773.00	773	773.00
FISHING						
Fishing	1,541,693	3,085,366.90	1,599,905	3,203,501.10	58,212	118,134.20
Fishing Duplicate	1,072	509.25	1,280	612.75	208	103.50
COMMERCIAL FISHING, BOATS, DREDGES AND OTHER MARINE EQUIPMENT LICENSES:						
Commercial Fisherman	36,498	178,386.40	38,007	185,916.65	1,509	7,530.25
Retail Fish Dealer-Large	3,761	56,415.00	3,694	55,395.00	67*	1,020.00*
Retail Fish Dealer-Medium	1,518	15,180.00	1,551	15,510.00	33	330.00
Retail Fish Dealer-Small	3,382	10,146.00	3,363	10,089.00	19*	57.00*
Saltwater Trotline Tags	16,204	16,204.00	18,390	18,390.00	2,186	2,186.00
Seine Tags	13,893	13,890.00	15,312	15,315.00	1,419	1,425.00
Skiff Tags	106	106.00	97	97.00	9*	9.00*
Fish Guide	702	\$ 1,404.00	728	\$ 1,456.00	26	\$ 52.00
Fish Boat	976	2,916.00	1,095	3,297.00	119	381.00
Bait Dealer	3,146	6,292.00	2,928	5,854.00	218*	438.00*
Commercial Oyster Dredge	195	2,925.00	126	1,890.00	69*	1,035.00*
Wholesale Fish Dealer	219	54,750.00	219	54,750.00		
Wholesale Fish Dealer-Truck	52	6,500.00	65	8,125.00	13	1,625.00
Retail Fish Dealer-Truck	97	2,425.00	122	3,050.00	25	625.00
Fish Farm	283	1,415.00	292	1,460.00	9	45.00
Fish Farm Vehicle	31	155.00	27	135.00	4*	20.00*
Commercial Fishing Boat	1,330	7,935.25	1,336	7,982.75	6	47.50
Additional Fish Farm	3	3.00	6	6.00	3	3.00
Additional Fish Farm Vehicle	5	5.00	5	5.00		
Commercial Fishing Boat-Menhaden	42	4,200.00	54	5,400.00	12	1,200.00
Menhaden Fish Plant Permit	1	25.00	1	25.00		
Sports Oyster Dredge	28	140.00	25	125.00	3*	15.00*
Commercial Gulf Shrimp Boat	3,341	100,259.00	3,368	101,047.00	27	788.00
Shrimp House Operator	33	3,300.00	33	3,300.00		
Individual Bait Shrimp Trawl Tags	9,296	27,795.00	9,537	28,704.00	241	909.00
Bait Shrimp Dealer	439	13,170.00	430	12,900.00	9*	270.00*
Commercial Bay Shrimp Boat	3,995	119,902.00	3,974	119,239.00	21*	663.00*
Commercial Bait Shrimp Boat	1,265	38,000.00	1,365	40,983.00	100	2,983.00
Undistributed Revenue		1,076.66		(1,166.37)		2,243.03*
GRAND TOTAL	2,673,169	6,541,971.73	2,793,464	6,859,386.54	120,295	317,414.81

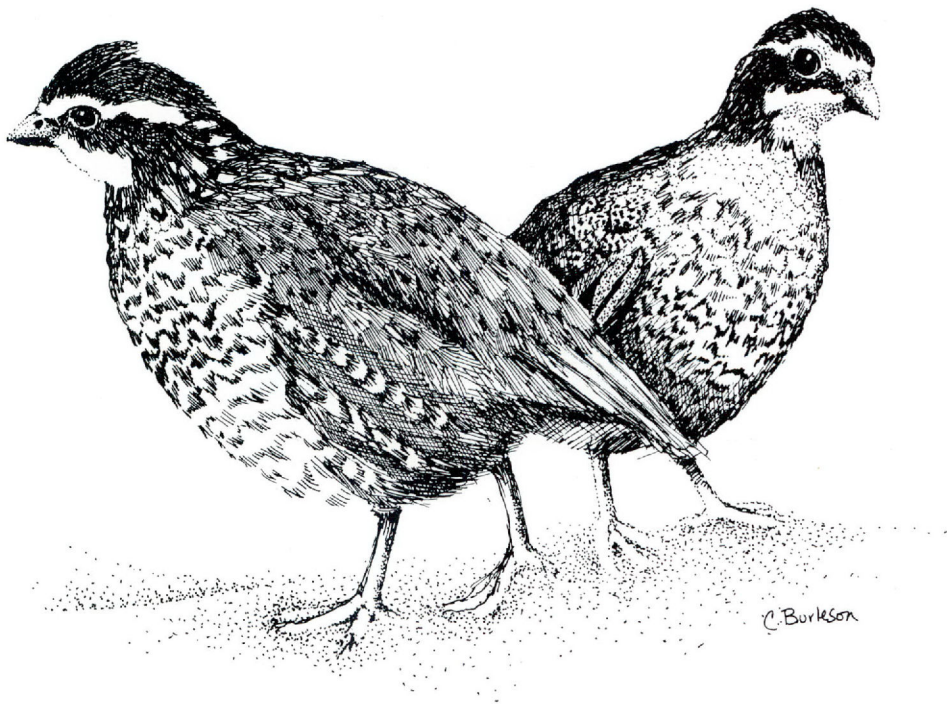


PARKS AND WILDLIFE DEPARTMENT
Comparative Statement of Expenditures
Statewide

	TWELVE-MONTH PERIOD		INCREASE
	1971-72	1972-73	DECREASE*
PERSONAL SERVICES:			
Exempt Positions	\$ 145,383.79	\$ 148,424.03	\$ 3,040.24
Classified Salaries	11,231,394.58	13,174,986.60	1,943,592.02
Seasonal and Part-time	818,032.77	815,385.71	2,647.06*
Subtotal, Personal Services	12,194,811.14	14,138,796.34	1,943,985.20
TRAVEL EXPENSE	670,007.81	800,348.08	130,340.27
PROFESSIONAL FEES AND SERVICES	63,494.71	47,936.21	15,558.50*
OTHER EXPENSES:			
Printing	452,474.12	376,428.08	76,046.04*
Gasoline, Oil and Grease	355,167.54	400,173.47	45,005.93
Clothing and Dry Goods	35,579.76	65,577.85	29,998.09
Feed for Animals, Seed & Sm. Plants	45,218.98	34,390.00	10,828.98*
Drugs and Chemicals for Med. and Lab. Use	4,371.13	4,146.16	224.97*
Other Supplies and Materials	743,403.70	764,500.01	21,096.31
Postage	230,700.60	233,147.53	2,446.93
Utilities, Telephone and Telegraph	514,186.66	574,981.55	60,794.89
Transportation of Things	10,107.56	7,128.06	2,979.50*
Repair to Buildings	103,104.40	86,728.84	16,375.56*
Other Repairs	276,807.52	279,494.49	2,686.97
Rents	428,193.28	627,668.74	199,475.46
Insurance and Bond Premiums	15.00	2,452.00	2,437.00
Other Operating Expense	1,114,605.47	1,130,006.27	15,390.30
Bond Interest	207,450.00	562,658.33	426,250.00
Subtotal, Other Expenses	4,521,385.72	5,149,481.38	699,126.83
EQUIPMENT AND FURNITURE	1,310,125.53	1,518,823.63	208,698.10
CONSTRUCTION IN PROGRESS	6,685,046.96	12,532,768.63	5,847,721.67
Subtotal, Operating Expense	25,444,871.87	34,188,154.27	8,814,313.57
REFUNDS-SAND, SHELL, AND GRAVEL	\$ 263,352.07	\$ 105,826.27	\$ 157,525.80*
INVESTMENTS IN U.S. GOVERNMENT SECURITIES			
(AT COST)	16,944,490.81	7,994,018.40	8,950,472.41*
Transfers to:			
Retirement Matching	545,166.00	632,902.66	87,736.66
O.A.S.I. Matching	419,172.18	611,660.65	192,488.47
Attorney General's Department	29,340.00	29,113.00	227.00*
State Auditor's Department (Audit Fees)	17,966.70	14,053.81	3,912.89*
General Revenue-Administrative Services	100,000.00	100,000.00	
General Revenue-John H. Reagan Building	26,812.00	26,812.00	
Adjustments	16,080.36	12,313.69	3,766.67*
Fund No. 409	1,726,783.79	1,031,481.15	695,302.64*
Operating Fund No. 420	6,810,818.38	7,255,490.80	444,672.42
Lapsed Appropriations	150,377.74	438,852.39	288,474.65
Federal Aid to Local Projects	1,106,183.96	2,875,019.59	1,768,835.63
Unemployment Benefits		1,768.04	1,768.04
Loss on Sale of Investments		1,046.87	1,046.87
Special Claims		1,038.60	1,038.60
Subtotal, Transfers	10,948,701.11	13,031,553.25	2,082,852.14
GRAND TOTAL	53,601,415.86	55,319,552.19	1,789,167.50

**PARKS AND WILDLIFE DEPARTMENT
NET PARK REVENUE
SEPTEMBER 1, 1972 THROUGH AUGUST 31, 1973**

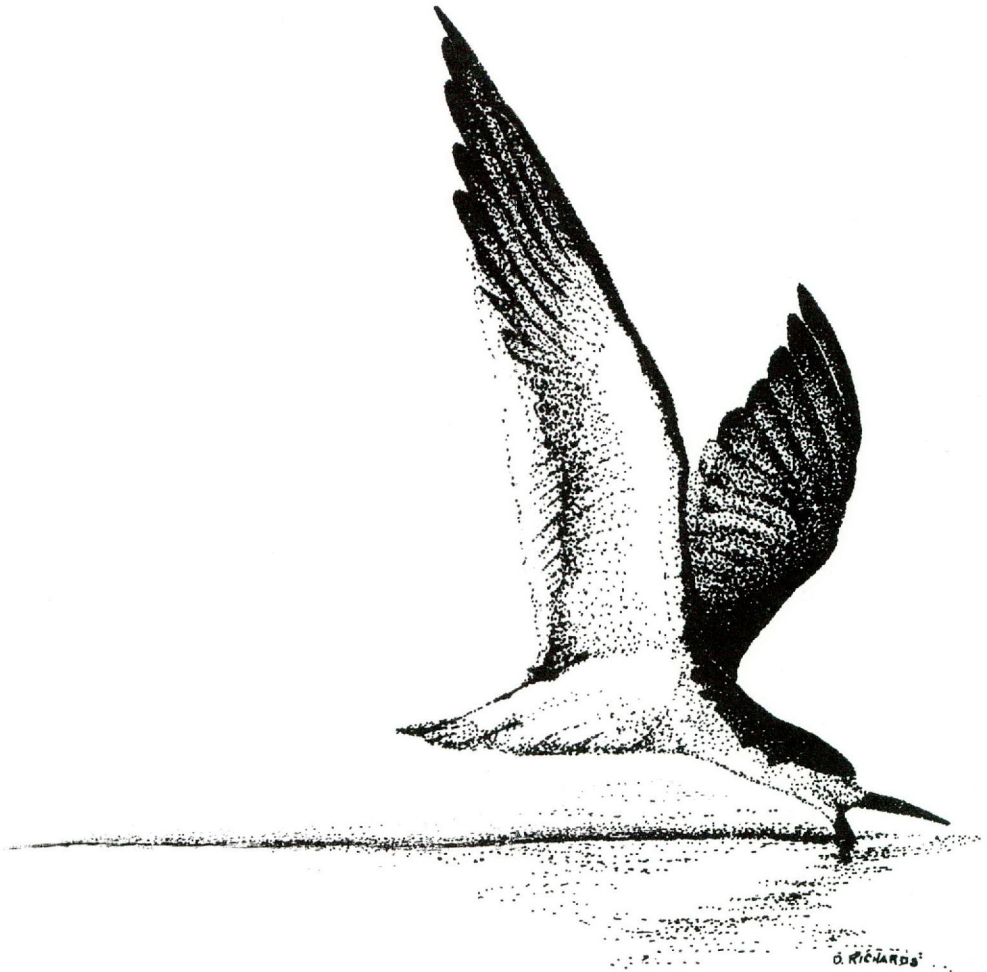
	NET FUNDS TRANSFERRED	ENTRANCE	RECREATION CONCESSION	OVERNIGHT FACILITIES	SALES TAX	HOTEL TAX
Abilene	\$ 25,781.42	\$ 14,614.50	\$ 5,456.69	\$ 5,547.50	\$ 162.73	\$
Atlanta	12,393.75	6,813.50		5,580.25		
Balmorhea	18,963.80	5,433.75	7,125.85	6,206.25	148.30	49.65
Bastrop	79,729.77	35,576.80	7,122.80	36,603.10	33.83	393.24
Bentsen	44,889.20	17,389.15		27,500.05		
Big Spring	5,724.85	5,724.85				
Blanco	14,549.25	8,582.00		5,967.25		
Bonham	9,371.53	6,660.75	194.70	2,387.25	87.79	41.04
Buescher	14,241.00	7,083.50		7,157.50		
Caddo Lake	29,214.43	11,551.00	51.89	17,338.11		273.43
Cleburne	45,932.92	23,424.25	1,796.66	20,437.10	229.80	45.11
Daingerfield	34,750.96	20,138.95	2,122.63	12,113.40	241.14	134.84
Davis Mountains	31,103.75	15,603.75		15,500.00		
Dinosaur Valley	19,459.65	17,312.65		2,147.00		
Eisenhower	45,940.74	21,681.25	1,200.57	23,037.25	21.67	
Eisenhower Birthplace	5,059.55	3,946.10	1,045.46		67.99	
Falcon	57,549.46	23,430.00	148.46	33,971.00		
Fort Griffin	886.48		44.98	841.50		
Fort Lancaster	-0-		-0-			
Fort Parker	34,375.86	18,504.75	1,155.90	14,625.00	25.85	64.36
Fort Richardson	3,160.55	2,481.55		679.00		
Garner	173,916.54	79,532.50		93,512.08		871.96
Goliad	19,589.05	11,277.50		8,311.55		
Goose Island	51,568.54	23,703.00		27,865.54		
Hueco Tanks	12,169.05	12,169.05				
Huntsville	116,860.38	70,191.50	69.13	46,599.75		
Indian Lodge	129,629.29	6,723.00	35,558.41	80,889.28	3,529.35	2,929.25
Inks Lake	78,814.50	39,656.00	100.00	39,058.50		
Kerrville	48,652.95	20,136.85		28,506.64	9.46	
Lake Arrowhead	13,468.50	12,658.50		810.00		
Lake Brownwood	62,747.78	19,537.35	5,037.28	36,816.89	685.51	670.75
Lake Colorado City	31,908.83	23,437.25	153.58	8,318.00		
Lake Corpus Christi	91,968.21	50,340.95	6,530.27	34,744.05	352.94	
Lake Somerville	32,570.25	23,117.25		9,453.00		
Lake Whitney	56,618.63	25,694.00	139.83	30,784.80		
Lockhart	15,284.86	4,169.50	8,700.52	2,096.00	318.84	
Lyndon B. Johnson	6,861.87		6,659.46		202.41	
Martin Dies, Jr.	79,262.88	31,969.00	368.73	46,921.25	3.90	
Meridian	16,270.47	9,066.75	10.22	7,193.50		
Mission Tejas	8,808.75	5,218.50		3,590.25		
Monahans Sandhills	18,622.58	15,716.08	9.50	2,897.00		
Monument Hill	2,905.01	2,850.11	54.90			
Mother Neff	1,618.70		45.30	1,573.40		
Old Fort Parker	5,934.23	5,625.70	285.66		22.87	
Palmetto	10,158.25	6,221.75		3,936.50		
Palo Duro Canyon	92,065.15	74,010.00		18,055.15		
Pedernales Falls	7,364.25	6,713.25		651.00		
Port Isabel	6,886.50	6,886.50				
Possum Kingdom	38,967.58	13,155.00	6,584.25	18,230.94	787.00	210.39
San Jacinto	54.80		54.80			
San Jose Mission	27,452.92	27,452.92				
Stephen F. Austin	56,675.10	25,618.10	8,707.75	22,349.25		
Tyler	98,368.22	47,269.00	10,351.21	39,981.50	766.51	
Washington	1,251.88		521.88	730.00		
Austin Office	1,286.00	1,286.00				
Leased Concessions	147,257.18		147,257.18			
TOTAL	2,096,918.60	967,355.91	264,666.45	851,514.33	7,697.89	5,684.02



**PARKS AND WILDLIFE DEPARTMENT
LEASED CONCESSION REVENUE
SEPTEMBER 1, 1972 THROUGH AUGUST 31, 1973**

PARK	PAID T.P.W.D.	TOTAL	SALES	PEDAL BOATS	BOATS & MOTORS	COIN MACHINES	ADMISSION FEES	BOAT DOCK & STORAGE	BICYCLES	MINIATURE GOLF	OTHER
Bastrop	\$1,017.65	\$10,176.53	\$ 9,299.53	\$	\$	\$ 877.00	\$	\$	\$	\$	\$
Cleburne	527.65	6,595.95	4,874.45	820.00	755.50	146.00					
Copano Causeway	14,318.80	132,656.46	103,248.11			2,911.35	26,497.00				
Eisenhower	2,718.78	135,938.98	64,069.61			47.96		70,079.81			1,741.60 ^A
Garner	26,491.13	229,780.70	173,915.50		20,600.35	15,780.15			1,804.00	17,680.70	
Huntsville	11,006.51	108,748.55	63,342.53	17,408.50	2,936.50	5,654.70			3,157.32	6,976.00	9,273.00 ^B
Inks Lake-Marina	891.17	9,923.02	4,650.12			1,310.90	3,962.00				
Inks Lake-Concession	5,020.37	46,345.18	38,098.55		7,779.00	467.63					
Longhorn Caverns	16,383.10	130,278.54	58,894.04				71,384.50				
Martin Dies, Jr.	466.19	3,106.00			3,106.00						
Monahans-Sandhills	1,173.57	14,723.77	7,489.77								7,234.00 ^C
Palo Duro Canyon-Railway	4,392.93	43,921.30	20,010.20			354.30	23,556.80				
Palo Duro Canyon-Riding Stable	4,384.67	36,539.25					36,539.25				
Palo Duro Canyon-Concession	17,692.65	111,507.66	111,507.66								
Palo Duro Canyon-Amphitheater	19,518.05	293,506.97	93,504.76				200,002.21				
Port Lavaca	2,579.67	31,633.92	23,729.42				7,904.50				
San Jacinto	15,770.16	77,245.65	77,245.65								
San Jose Mission	2,532.41	25,337.94	25,337.94								
Velasco	223.12	22,309.75	18,956.25				3,353.50				
Velasco-San Luis Pass	148.60										
TOTAL	147,257.18	1,470,276.12	898,174.09	18,228.50	35,177.35	27,549.99	373,199.76	70,079.81	4,961.32	24,656.70	18,248.60

NOTE:
^A Electricity
^B Horses
^C \$5,715.00 Jeep Rides; \$1,519.00 Surf Board Rental.



commercial fish landings

GULF LANDINGS 9-1-72 to 8-31-73

BAY LANDINGS 9-1-72 to 8-31-73

FISH	POUNDS	VALUE	POUNDS	VALUE
Cabio (Ling)	19,306	2,860.21		
Croaker	17,420	777.91	48,847	3,548.89
Drum (Black)	53,405	6,214.72	1,257,239	148,258.97
Redfish	108,757	35,174.52	1,424,398	439,863.01
Flounder	338,628	85,589.20	118,504	38,853.49
Grouper	95,277	13,602.82		
Whiting	71,292	7,477.46	22,991	2,316.46
Mullet	14,946	833.00	93,907	4,621.07
Pompano	608	239.14	1,551	678.95
Gafftop Catfish	5,493	587.86	42,952	4,856.32
Trout	514,812	173,894.94	1,437,760	446,601.41
Sea Trout, White	1,100	150.00	17,121	2,467.40
Sheepshead	59,096	6,219.20	179,077	14,764.93
Snapper, Red	874,897	435,864.43		
Unclassified Food	91,786	7,649.75	51,313	3,533.20
Unclassified Scrap	74,142	3,707.10	139,584	6,549.21
TOTAL FISH	2,340,965	780,842.26	4,835,244	1,116,913.31
SHELLFISH				
Crabs	171,685	22,622.05	6,204,434	712,392.29
Brown & Pink Shrimp	64,119,373	60,246,627.02	4,655,283	1,930,707.77
White Shrimp	7,735,872	7,036,138.86	6,281,131	4,943,933.55
Other Shrimp	17,081	5,455.76		
Oysters			3,545,157	2,386,967.75
Squid	2,516	325.52	2,423	362.91
TOTAL SHELLFISH	72,046,527	67,311,169.21	20,688,428	9,974,364.27
GRAND TOTAL	74,387,492	68,092,011.47	25,523,672	11,091,277.58

TOTAL LANDINGS
9-1-72 to 8-31-73

FISH	POUNDS	VALUE
Cabio (ling)	19,306	2,860.21
Croaker	66,267	4,326.80
Drum (Black)	1,310,644	154,473.69
Redfish	1,533,155	475,037.53
Flounder	457,132	124,442.69
Grouper	95,277	13,602.82
Whiting	94,283	9,793.92
Mullet	108,853	5,454.07
Pompano	2,159	918.09
Gafftop Catfish	48,445	5,444.18
Trout	1,952,572	620,496.35
Sea Trout, White	18,221	2,617.40
Sheepshead	238,173	20,984.13
Snapper, Red	874,897	435,864.43
Unclassified Food	143,099	11,182.95
Unclassified Scrap	213,726	10,256.31
TOTAL FISH	7,176,209	1,897,755.57
SHELLFISH		
Crabs	6,376,119	735,014.34
Brown & Pink Shrimp	68,774,656	62,177,334.79
White Shrimp	14,017,003	11,980,072.41
Other Shrimp	17,081	5,455.76
Oysters	3,545,157	2,386,967.75
Squid	4,939	688.43
TOTAL SHELLFISH	92,734,955	77,285,533.48
GRAND TOTAL	99,911,164	79,183,289.05

LANDINGS-SABINE DISTRICT
9-1-72 to 8-31-73

FISH	POUNDS	VALUE
Drum (Black)	7,059	916.47
Redfish	10,196	3,327.88
Flounder	22,227	6,986.11
Grouper	10,512	1,435.80
Whiting	10,556	1,072.06
Trout	22,935	7,298.43
Sea Trout, White	600	90.00
Snapper, Red	11,207	1,288.61
Unclassified Food	105,816	54,625.19
TOTAL FISH	201,108	77,040.55
SHELLFISH		
Crabs	1,483,912	163,482.90
Brown & Pink Shrimp	993,891	896,432.79
White Shrimp	1,982,053	1,366,728.42
Other Shrimp	13,161	1,104.56
TOTAL SHELLFISH	4,473,017	2,427,748.67
GRAND TOTAL	4,674,125	2,504,789.22

LANDINGS-GALVESTON DISTRICT
9-1-72 to 8-31-73

FISH	POUNDS	VALUE
Cabio (Ling)	17,088	2,591.15
Croaker	35,124	2,755.30
Drum (Black)	134,607	16,591.93
Redfish	71,762	23,066.60
Flounder	117,321	35,816.88
Grouper	23,039	3,398.61
Whiting	82,134	8,654.21
Mullet	80,709	3,751.55
Pompano	98	49.00
Gafftop Catfish	22,556	2,158.46
Trout	651,090	213,805.58
Sea Trout White	16,806	2,405.15
Sheepshead	70,863	8,317.01
Snapper, Red	126,385	66,009.27
Unclassified Food	91,579	6,721.12
Unclassified Scrap	106,316	4,642.44
TOTAL FISH	1,647,477	400,734.26
SHELLFISH		
Crabs	2,078,037	252,748.00
Brown & Pink Shrimp	14,091,789	12,763,868.56
White Shrimp	6,367,024	5,681,557.96
Other Shrimp	3,920	4,351.20
Oysters	3,278,239	2,142,143.75
Squid	2,875	404.07
TOTAL SHELLFISH	25,821,884	20,845,073.54
GRAND TOTAL	27,469,361	21,245,807.80

LANDINGS-MATAGORDA DISTRICT
9-1-72 to 8-31-73

FISH	POUNDS	VALUE
Drum (Black)	47,883	7,186.69
Redfish	83,918	28,198.40
Flounder	42,568	16,323.37
Grouper	288	45.20
Whiting	4,412	386.30
Mullet	388	147.44
Pompano	1,207	110.42
Trout	152,109	50,773.12
Sea Trout White	815	122.25
Sheepshead	17,287	2,349.39
Snapper, Red	10,335	4,344.94
Unclassified Food	1,271	127.10
TOTAL FISH	362,481	110,114.62
SHELLFISH		
Crabs	980,207	114,302.16
Brown & Pink Shrimp	3,100,380	2,517,239.78
White Shrimp	1,745,743	1,443,688.30
Other Shrimp	86,520	64,410.00
Oysters	386	63.50
TOTAL SHELLFISH	5,913,236	4,139,703.74
GRAND TOTAL	6,275,717	4,249,818.36

LANDINGS-ARANSAS DISTRICT
9-1-72 to 8-31-73

FISH	POUNDS	VALUE
Cabio (Ling)	1,944	219.41
Croaker	14,323	707.20
Drum (Black)	211,481	23,485.69
Redfish	388,240	131,490.09
Flounder	130,161	36,632.03
Grouper	20,942	3,735.55
Whiting		
Mullet	16,407	818.35
Pompano	538	209.90
Gafftop Catfish	20,169	2,607.69
Trout	440,277	151,261.50
Sheepshead	58,792	4,917.98
Snapper, Red	216,656	113,313.43
Unclassified Food	2,327	360.40
Unclassified Scrap	106,096	5,548.17
TOTAL FISH	1,628,353	475,307.39
SHELLFISH		
Crabs	1,824,769	203,478.90
Brown & Pink Shrimp	19,788,463	17,651,453.88
White Shrimp	3,517,963	3,060,139.73
Oysters	180,245	180,246.00
Squid	1,393	167.16
TOTAL SHELLFISH	25,312,833	21,095,485.67
GRAND TOTAL	26,941,186	21,570,793.06

LANDINGS-LAGUNA DISTRICT
9-1-72 to 8-31-73

FISH	POUNDS	VALUE
Cabio (Ling)	274	49.65
Croaker	16,820	864.30
Drum (Black)	909,614	106,292.91
Redfish	979,039	288,954.56
Flounder	144,855	28,684.30
Grouper	40,496	4,987.66
Whiting	1,593	67.65
Mullet	7,325	497.87
Pompano	1,135	511.75
Gafftop Catfish	4,513	567.61
Trout	686,161	197,357.72
Sheepshead	80,024	4,111.14
Snapper, Red	415,705	197,571.60
Unclassified Food	47,922	3,974.33
Unclassified Scrap	1,314	65.70
TOTAL FISH	3,336,790	834,558.75
SHELLFISH		
Crabs	9,194	1,002.38
Brown & Pink Shrimp	30,800,133	28,348,339.78
White Shrimp	404,220	427,958.00
Oysters	153	168.00
Squid	285	53.70
TOTAL SHELLFISH	31,213,985	28,777,521.86
GRAND TOTAL	34,550,775	29,612,080.61

**TOTAL LANDINGS
SEPTEMBER 1972**

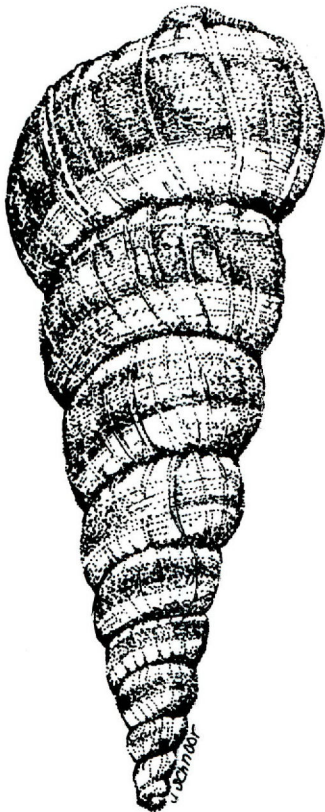
**TOTAL LANDINGS
OCTOBER 1972**

FISH	POUNDS	VALUE	POUNDS	VALUE
Cabio (Ling)	5,603	770.11	723	108.45
Croaker	17,271	789.81	4,034	319.97
Drum (Black)	99,763	13,607.25	97,769	10,006.54
Redfish	98,268	30,879.62	122,485	35,665.95
Flounder	30,200	8,267.22	98,902	25,082.78
Grouper	4,187	411.29	5,021	612.63
Whiting	9,444	944.40	12,762	1,267.66
Menhaden				
Mullet	937	118.32	590	66.50
Pompano	288	129.60	119	50.55
Gafftop Catfish	3,141	212.69	1,519	98.00
Trout	73,083	22,763.20	105,414	30,706.02
Sea Trout, White	15,659	2,212.85	1,157	173.55
Sheepshead	15,389	1,488.26	13,978	1,220.45
Snapper, Red	117,685	55,422.99	62,385	28,561.66
Unclassified Food	12,427	894.22	8,305	628.50
Unclassified Scrap	9,766	488.30	39,935	1,559.98
TOTAL FISH	513,111	139,400.13	575,098	136,129.19
SHELLFISH				
Crabs	620,178	61,869.74	579,167	56,888.51
Brown & Pink Shrimp	12,644,407	11,152,076.50	7,412,804	6,715,778.49
White Shrimp	2,175,096	1,813,419.93	3,241,443	2,530,522.17
Other Shrimp			10,577	846.16
Oysters	26,863	30,705.00	52,815	45,270.00
Squid	448	54.24		
TOTAL SHELLFISH	15,465,992	13,058,125.41	11,296,806	9,349,305.33
GRAND TOTAL	15,979,103	13,197,525.54	11,871,904	9,485,434.52

**TOTAL LANDINGS
NOVEMBER 1972**

**TOTAL LANDINGS
DECEMBER 1972**

FISH	POUNDS	VALUE	POUNDS	VALUE
Cabio (Ling)	100	15.00		
Croaker	2,523	131.15	1,293	69.65
Drum (Black)	91,302	9,155.71	127,032	11,291.32
Redfish	120,890	32,776.66	148,173	35,139.29
Flounder	99,016	26,126.17	56,708	12,949.51
Grouper	2,797	464.58	6,040	690.33
Whiting	16,206	1,620.60	2,887	322.44
Mullet	9,844	336.89	11,369	585.65
Pompano	283	127.35	437	169.49
Gafftop Catfish	617	80.85		
Trout	123,098	33,591.32	139,658	35,468.51
Sea Trout White				
Sheepshead	17,053	1,294.08	19,922	1,612.73
Snapper, Red	42,459	19,436.97	58,493	27,281.01
Unclassified Food	12,872	913.37	5,418	425.24
Unclassified Scrap	5,404	249.96	10,528	394.44
TOTAL FISH	544,464	126,320.66	587,958	126,399.61
SHELLFISH				
Crabs	318,209	31,784.66	207,774	20,536.17
Brown & Pink Shrimp	4,033,109	3,543,635.16	4,016,910	3,584,167.24
White Shrimp	2,458,041	1,729,722.14	428,263	257,780.34
Other Shrimp	2,584	258.40		
Oysters	1,109,308	670,163.50	760,090	469,996.50
Squid	404	45.00	4	60
TOTAL SHELLFISH	7,921,765	5,975,608.86	5,413,041	4,332,480.85
GRAND TOTAL	8,466,229	6,101,929.52	6,000,999	4,458,880.46



**TOTAL LANDINGS
JANUARY 1973**

**TOTAL LANDINGS
FEBRUARY 1973**

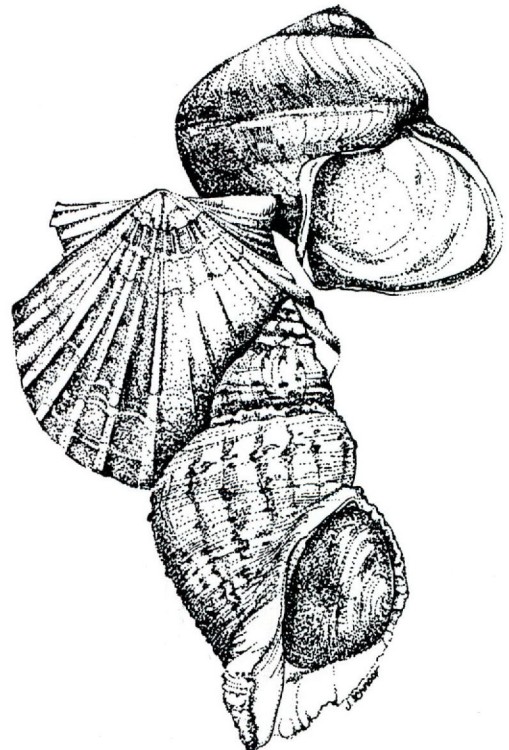
FISH	POUNDS	VALUE	POUNDS	VALUE
Croaker	3,600	147.00	2,184	93.65
Drum (Black)	159,693	16,258.79	123,058	12,738.40
Redfish	120,432	32,048.77	73,474	19,774.34
Flounder	32,190	6,770.21	14,233	3,663.58
Grouper	5,991	785.27	6,815	883.15
Whiting	3,986	306.95	2,210	231.00
Mullet	14,422	725.85	5,025	252.50
Pompano	46	20.70	32	14.40
Gafftop Catfish	1,550	225.00	1,218	222.80
Trout	167,226	43,937.90	143,573	41,142.11
Sea Trout, White	405	81.00		
Sheepshead	26,951	2,190.47	25,234	1,881.36
Snapper, Red	38,808	18,377.10	47,414	23,351.22
Unclassified Food	24,691	1,324.23	4,003	299.16
Unclassified Scrap	5,438	313.30	700	35.00
TOTAL FISH	605,429	123,512.54	449,173	104,582.67
SHELLFISH				
Crabs	145,965	14,599.52	282,188	28,215.56
Brown & Pink Shrimp	2,063,882	2,053,873.70	2,379,155	2,486,492.46
White Shrimp	383,619	201,998.72	345,050	214,513.71
Oysters	590,045	382,558.00	467,231	306,290.50
Squid			61	9.15
TOTAL SHELLFISH	3,183,511	2,653,029.94	3,473,645	3,035,521.38
GRAND TOTAL	3,788,940	2,776,542.48	3,922,818	3,140,104.05

**TOTAL LANDINGS
MARCH 1973**

FISH	POUNDS	VALUE
Cabio (Ling)	100	15.00
Croaker	3,350	134.00
Drum (Black)	176,187	19,307.36
Redfish	92,463	30,475.95
Flounder	21,550	6,146.04
Grouper	5,253	677.85
Whiting	4,362	534.05
Mullet	4,409	156.27
Pompano	77	34.65
Gafftop Catfish	3,209	437.95
Trout	133,234	45,804.73
Sea Trout, White		
Sheepshead	28,991	2,201.84
Snapper, Red	77,120	37,971.19
Unclassified Food	3,927	239.70
Unclassified Scrap	517	25.51
TOTAL FISH	554,749	144,162.09
SHELLFISH		
Crabs	425,899	46,326.17
Brown & Pink Shrimp	2,327,195	2,641,829.58
White Shrimp	347,771	328,226.09
Oysters	313,170	238,297.75
Squid	31	4.65
TOTAL SHELLFISH	3,414,066	3,254,684.24
GRAND TOTAL	3,968,815	3,398,846.33

**TOTAL LANDINGS
APRIL 1973**

FISH	POUNDS	VALUE
Cabio (Ling)	50	7.50
Croaker	3,412	176.75
Drum (Black)	156,152	20,136.77
Redfish	157,325	48,966.42
Flounder	11,674	3,671.65
Grouper	5,192	633.12
Whiting	5,400	526.00
Mullet	2,463	123.15
Pompano	170	69.80
Gafftop Catfish	9,822	1,007.73
Trout	179,520	59,749.87
Sea Trout, White	600	90.00
Sheepshead	26,346	1,999.64
Snapper, Red	63,977	31,532.69
Unclassified Food	15,113	936.18
Unclassified Scrap	9,736	486.80
TOTAL FISH	646,952	170,114.07
SHELLFISH		
Crabs	480,194	53,838.46
Brown & Pink Shrimp	2,004,290	2,477,818.51
White Shrimp	569,716	596,015.57
Oysters	95,524	86,930.50
Squid	186	31.90
TOTAL SHELLFISH	3,149,910	3,214,634.94
GRAND TOTAL	3,796,862	3,384,749.01



**TOTAL LANDINGS
MAY 1973**

FISH	POUNDS	VALUE
Cabio (Ling)	110	16.80
Croaker	2,642	212.95
Drum (Black)	74,508	10,137.56
Redfish	158,843	54,418.59
Flounder	27,935	9,075.52
Grouper	11,886	2,058.45
Whiting	9,671	972.10
Mullet	14,276	914.30
Pompano	178	77.00
Gafftop Catfish	14,973	1,553.06
Trout	247,676	90,128.86
Sea Trout, White	400	60.00
Sheepshead	23,463	2,346.60
Snapper, Red	76,243	40,173.14
Unclassified Food	10,580	716.43
Unclassified Scrap	19,994	999.70
TOTAL FISH	693,378	213,861.06
SHELLFISH		
Crabs	756,931	90,094.22
Brown & Pink Shrimp	3,159,412	2,912,379.95
White Shrimp	911,148	1,069,520.96
Other Shrimp		
Oysters	39,793	45,495.00
Squid	2,288	303.26
TOTAL SHELLFISH	4,869,572	4,117,793.39
GRAND TOTAL	5,562,950	4,331,654.45

**TOTAL LANDINGS
JUNE 1973**

FISH	POUNDS	VALUE
Cabio (Ling)	2,605	404.00
Croaker	3,456	188.10
Drum (Black)	100,671	16,012.17
Redfish	153,208	53,750.56
Flounder	22,058	7,320.85
Grouper	17,394	2,617.17
Whiting	2,229	222.90
Mullet	9,969	508.30
Pompano	342	157.90
Gafftop Catfish	4,930	570.40
Trout	320,516	103,878.48
Sea Trout, White		
Sheepshead	21,442	2,701.72
Snapper, Red	105,066	55,140.62
Unclassified Food	13,855	2,051.03
Unclassified Scrap	21,307	1,106.87
TOTAL FISH	799,048	246,631.07
SHELLFISH		
Crabs	899,534	120,654.53
Brown & Pink Shrimp	8,156,821	5,969,597.14
White Shrimp	625,302	663,589.22
Other Shrimp	3,920	4,351.20
Oysters	29,087	33,255.00
Squid	356	64.35
TOTAL SHELLFISH	9,715,470	6,791,511.44
GRAND TOTAL	10,514,518	7,038,142.51

**TOTAL LANDINGS
JULY 1973**

FISH	POUNDS	VALUE
Cabio (Ling)	4,675	721.35
Croaker	8,303	818.57
Drum (Black)	40,530	5,934.46
Redfish	145,846	51,356.85
Flounder	21,277	7,638.80
Grouper	12,893	2,153.60
Whiting	10,306	1,068.07
Mullet	18,922	799.39
Pompano	62	22.45
Gafftop Catfish	2,662	371.60
Trout	178,527	63,013.61
Sea Trout, White		
Sheepshead	6,292	686.60
Snapper, Red	113,902	61,725.11
Unclassified Food	16,697	1,490.32
Unclassified Scrap	52,079	2,588.35
TOTAL FISH	632,973	200,389.13
SHELLFISH		
Crabs	907,787	118,515.11
Brown & Pink Shrimp	13,676,172	10,500,453.60
White Shrimp	619,420	735,564.64
Oysters	34,991	48,006.00
Squid	929	140.13
TOTAL SHELLFISH	15,239,299	11,402,679.48
GRAND TOTAL	15,872,272	11,603,068.61

**TOTAL LANDINGS
AUGUST 1973**

FISH	POUNDS	VALUE
Cabio (Ling)	5,340	802.00
Croaker	14,199	1,245.20
Drum (Black)	63,979	9,887.36
Redfish	141,748	49,784.53
Flounder	21,389	7,730.36
Grouper	11,808	1,615.38
Whiting	14,820	1,777.75
Mullet	16,627	866.95
Pompano	125	44.20
Gafftop Catfish	4,804	664.10
Trout	141,047	50,311.74
Sea Trout, White		
Sheepshead	13,112	1,360.38
Snapper, Red	71,345	36,890.73
Unclassified Food	15,211	1,264.57
Unclassified Scrap	38,322	2,008.10
TOTAL FISH	573,876	166,253.35
SHELLFISH		
Crabs	751,743	91,691.69
Brown & Pink Shrimp	6,900,539	8,139,232.46
White Shrimp	1,913,134	1,839,198.92
Oysters	26,240	30,000.00
Squid	222	35.15
TOTAL SHELLFISH	9,591,878	10,100,158.22
GRAND TOTAL	10,165,754	10,266,411.57

ILLUSTRATIONS

front cover, desert bighorn sheep

inside cover, garden spider

3, blue crab

6, white-tailed doe and fawn

8 and 9, live oak tree

11, burrowing owl

12 and 13, whooping crane

14, bobcat

15, channel catfish

16, portuguese man o' war

17, redfish

18, bullfrog

19, sand dollar sea urchin

20, wooden windmill

23, armadillo

24, torrey's yucca

27, boy in boat

28, passion flower

33, common woodlands snail

35, bobwhite quail

36, black skimmer

38, mitchell's wentletrap shell

39, assorted sea shells

40, jack rabbit

back cover, raccoon





C. Buleon