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Dollars from the Sea: Jacksonville and the Ocean Business

Committee of 100 Jacksonville Area Chamber of Commerce

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DOLLARS FROM THE SEA

*Jacksonville
and the
Ocean
Business*

As man delves deeper into the vast ocean areas to gather information and to exploit his findings, as his need for vehicles, equipment and bases to support these activities greatly increases, Florida will continue to provide important support facilities required to fully exploit the resources of the sea.

Jacksonville will play an increasingly important part in state and national oceanographic efforts.

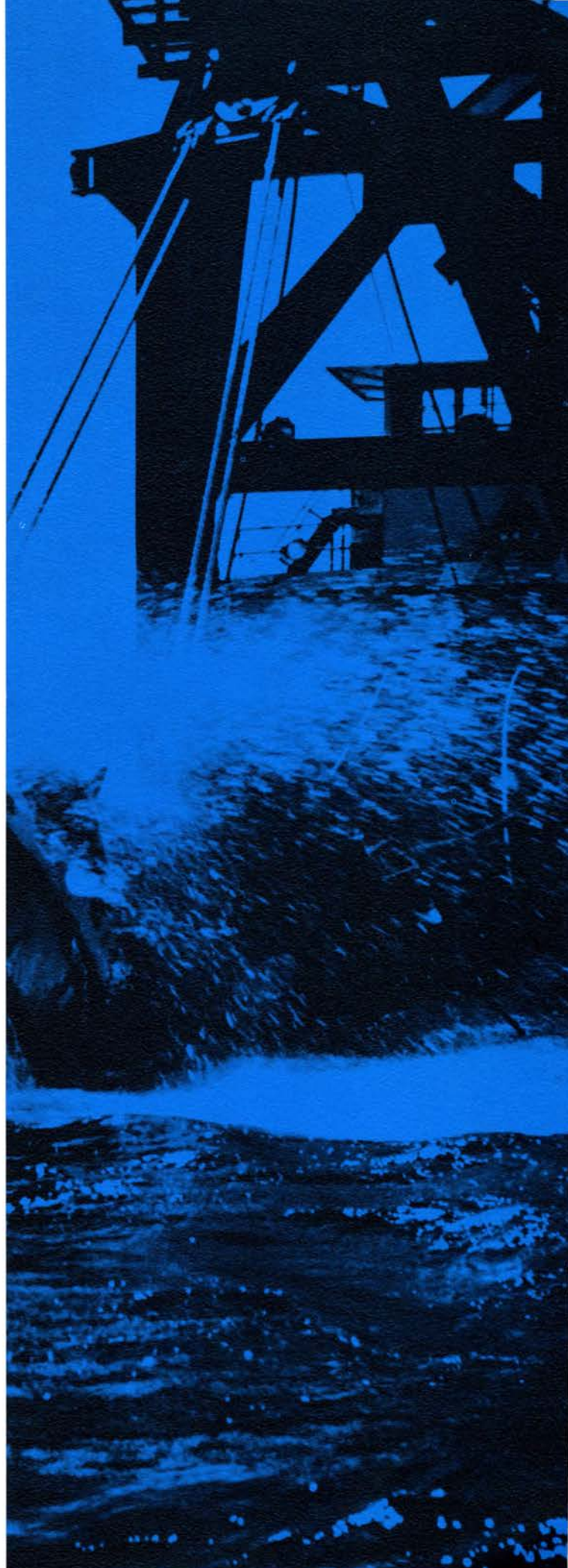
The purpose of this brochure is to tell the Jacksonville oceanographic story. It is not the intent to go into detail, but rather to point up some of Jacksonville's assets in providing key oceanographic support.

If the information presented here is of interest to you or your organization, more detailed DATA on any aspect of the oceanography field or other phases of Jacksonville's economy is readily available.

For additional facts or information in confidence, just write or call:



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OCEAN INDUSTRY

Florida is synonymous with the sea and has attracted many industries which specialize in the production of vehicles, undersea tools, instruments needed in ocean research, and research oriented companies.

Jacksonville has pioneered development in some of these basic items, many of which are already in use. Specialized knowledge in vehicle, cable, buoy, and pipe construction, as well as vessels with special configurations and conversions, are some examples.

The cutting head illustrated on the opposite page is used on dredges around the world. This cutting head was built by one of the Jacksonville firms staffed and equipped to solve ocean mining problems.

As the ocean industry delineates its problems and looks for solutions, Jacksonville firms engaged in research, mining and manufacturing will help provide needed answers and techniques for solving these problems.



INDUSTRIAL SUPPORT AND RESEARCH

One of the major assets of the Jacksonville area is its diversified industrial support capability. Through the years, shipyards, metal fabricators, machine shop facilities and marine engineering firms have built a strong base of industrial support valuable to ocean oriented companies.

A community of professionals engaged in erosion control, tidal currents, pressure vessels and meteorology, enhances Jacksonville's support service capability.

Trainable manpower is available. The vocational training program of the public schools, technical facilities at Florida Junior College and the newly created technical services program at the state level insure adequate training capabilities for our manpower pool.

Support industries oriented to oceanography are engaged in ocean mining, production of specialized sensor cable, and manufacturing of reinforced plastic piping.

Through many Florida firms and organizations within a convenient radius, Jacksonville has access to broad oceanographic support services and facilities.



JOINT VENTURE



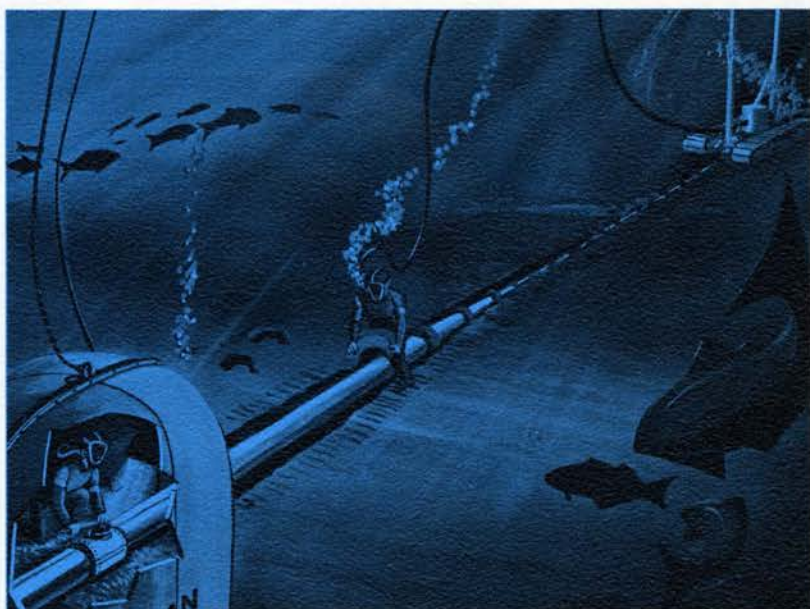
Jacksonville and the surrounding area are well supplied with private and public laboratories and facilities engaged in fundamental and applied research. These facilities are staffed by competent, experienced, professional personnel, many having advanced degrees. Marine biology, environmental biology, mineral beneficiation and ore evaluation are some of the fields in which research is being carried on within a 150 mile radius of Jacksonville.

Three major Florida universities with programs in marine sciences and oceanography, as well as extensive computer systems, add to Jacksonville's locational advantage for ocean oriented industry.

Jacksonville is at the hub of an industrial wheel which includes Atlanta, Savannah, Cape Kennedy and Miami, and is well located as a headquarters for companies in the oceanography field.



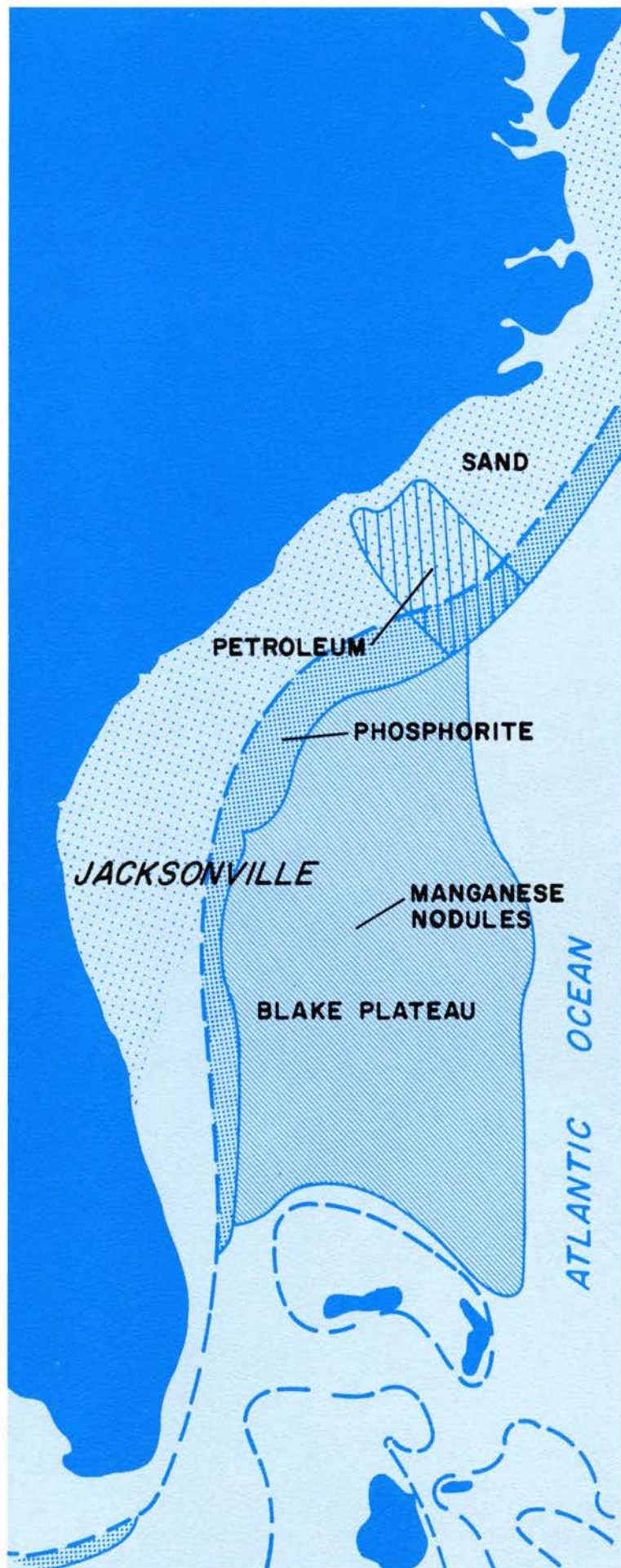
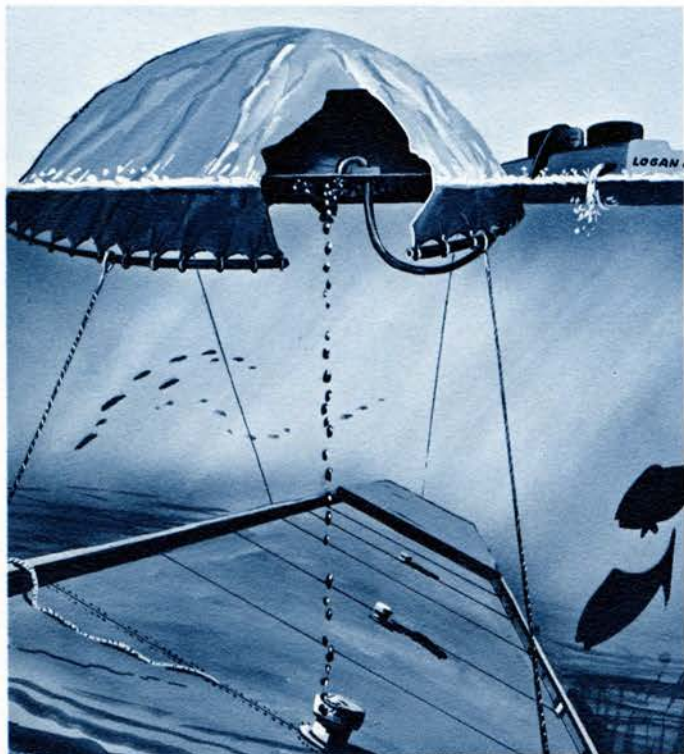
OCEAN MINING



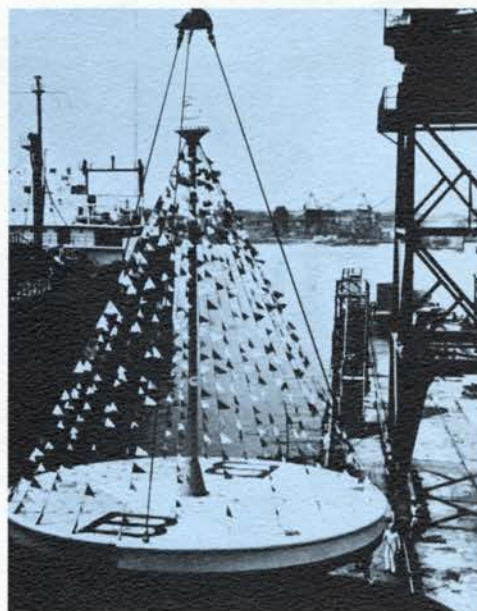
The Blake Plateau is already known for extensive mineral deposits such as manganese, phosphates, phosphorites and sand. If and when these deposits can be mined economically, Jacksonville's central location on the Blake Plateau will make the city a logical base site for mining operations.

Two Jacksonville firms have been quite active in the installation of equipment used in underwater mining operations, as well as developing methods for laying and repairing piping and cables on the ocean floor.

Florida's fingerlike projection into the sea is a practical training ground for operators and equipment in this new field. Many of the answers needed to solve future problems will be found while working in the waters adjacent to Jacksonville.



VESSELS AND EQUIPMENT



From the Oceanographic vessels used by ESSA to a major portion of the world's production of modern shrimping vessels, the Jacksonville area has demonstrated capabilities in ship construction and repair.

Oceanographer and Discoverer, along with three medium coastal survey ships, were constructed and outfitted for ESSA in Jacksonville shipyards.

Modification and extension work on vessels up to 700 feet in length, 92 feet in beam and up to 30,000 tons is not uncommon in the fourth

largest privately owned shipyard in the country, located in Jacksonville.

Four additional firms are engaged in the construction of shrimpers, trawlers and steel work boats.

In the important area of design and construction of oceanographic vessels, two of these companies are pioneering ships with unique cargo handling capabilities and versatility. Included is a capacity for roll on-roll off through the bow, coupled with a midships lift capability by a steel crane.



SITES

Miles of protected shoreline on the St. Johns River with depths up to 38 feet and immediate access to the sea make Jacksonville a prime location for oceanographic expansion.

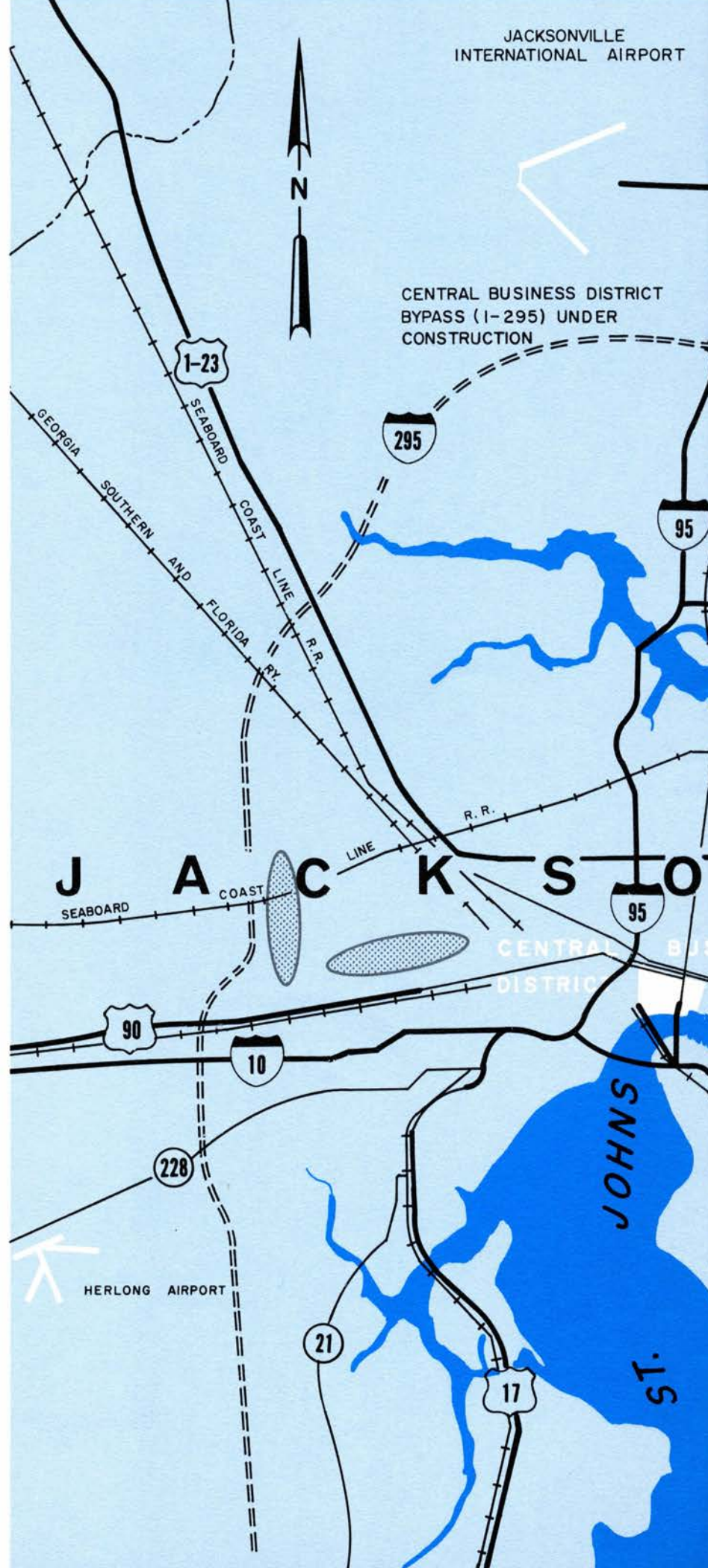
The Jacksonville Port Authority has developed extensive new terminal facilities in the city on the St. Johns River.

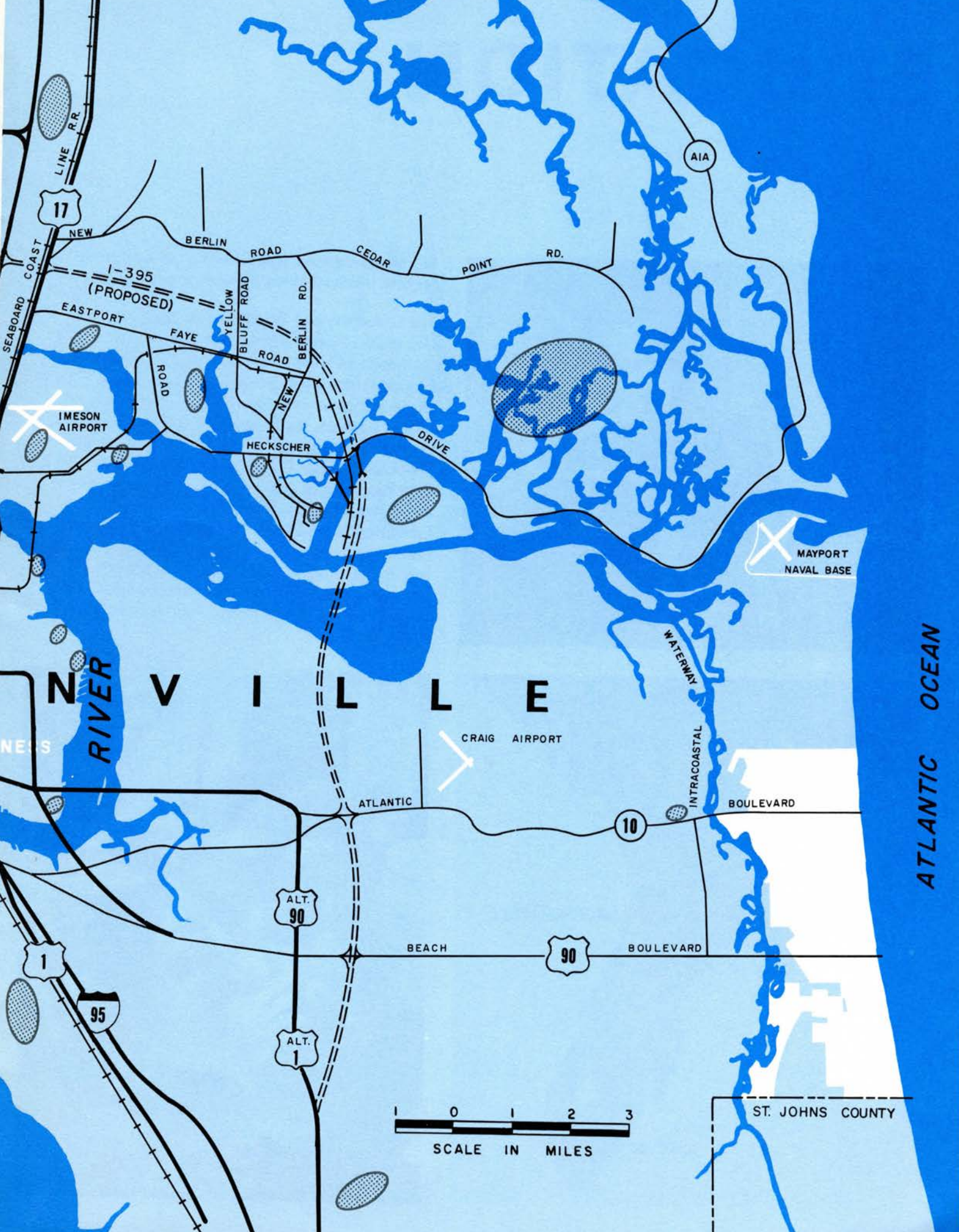
Blount Island, a 1600 acre tract at mile eight in the St. Johns River, is being developed as an important industrial and wharf facility from which major industries will carry on storage and export operations. Highways, rail and deepwater channels make the island easily accessible. This new facility will help make Jacksonville one of the major ports on the eastern seaboard.

A modern expressway system and interstate highway network link Jacksonville with major markets. Three major railroads are spokes in the wheel of the transportation hub of Jacksonville. A new international jetport built at a cost of 27 million dollars is located in Jacksonville and serves as Florida's gleaming new front door.

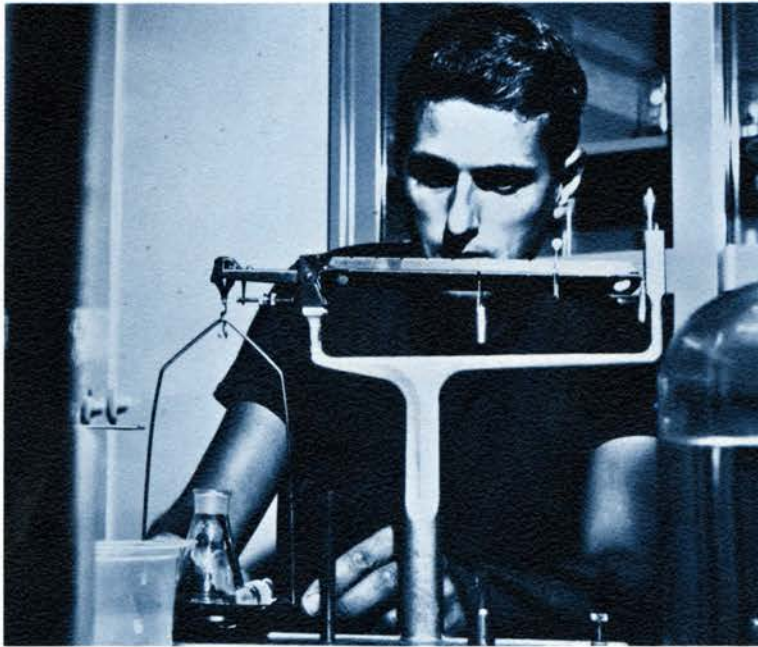
In 1974, the Cross Florida Barge Canal, with Jacksonville as its eastern terminus, will connect the St. Johns River with the midwest via a twelve foot canal and lock system.

With these transportation advantages and an abundance of deep water sites, Jacksonville is a prime location for new and expanded industry of all types.



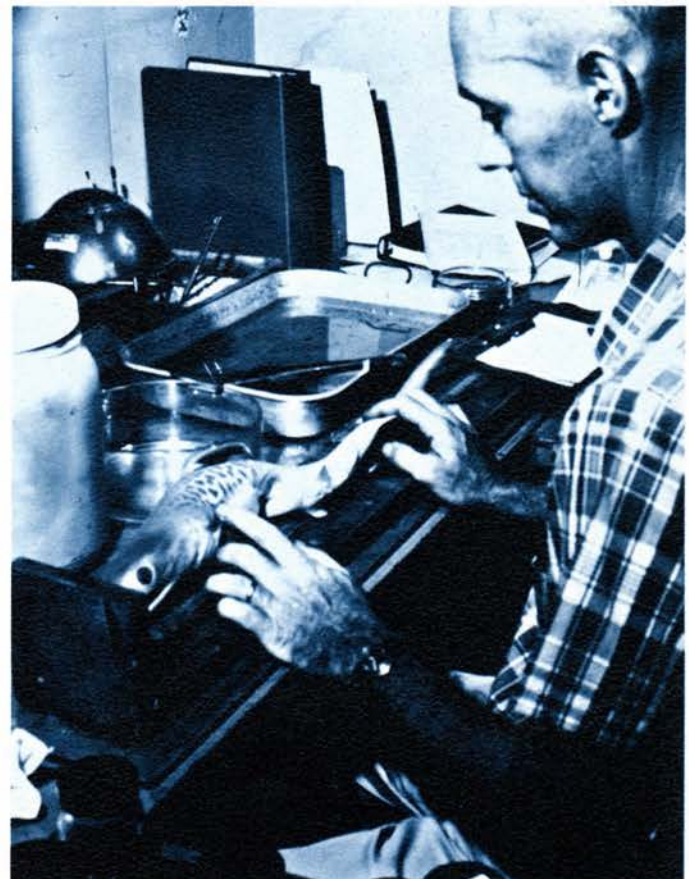


EDUCATION



Florida educational institutions at all levels have become involved in marine science activities.

The University of Florida, Florida State University, Florida Institute of Technology, University of Miami, Florida Atlantic University, Florida Presbyterian College and Jacksonville University are currently offering courses in ocean related sciences. Six state junior colleges have courses in ocean engineering, marine biology and pre-ocean science. Eleven public high schools offer programs of study related to oceanography through grants from the National Defense Education Act, Fletcher High School in Neptune Beach being a recipient and currently engaged in this unique program. The network of Florida schools will provide the ocean industry with talented young people interested in careers in oceanography.



LIVING



Jacksonville has a four season climate, but the absence of extreme temperatures insures pleasant working conditions with little time loss. Winters are mild and summers are balmy with few tropical storms. The weather bureau has recorded only one hurricane in its history, Dora 1964.

The city offers a wide variety of cultural and recreational activities. Art galleries, museums, garden clubs and other cultural facilities, along with the Gator Bowl, Coliseum and Civic Auditorium afford the Jacksonville resident his choice of leisurely recreation. For the outdoorsman, golf, tennis, swimming, fishing and hunting are common year around.

Homes located on rivers, beaches, in controlled areas and in a number of distinct residential areas offer the newcomer a wide range of choices in almost any price bracket.

Jacksonville, the Bold New City of the South, should be investigated by all persons interested in the marine sciences and welcomes the opportunity to show you first-hand its capabilities as a base for work in oceanography.



