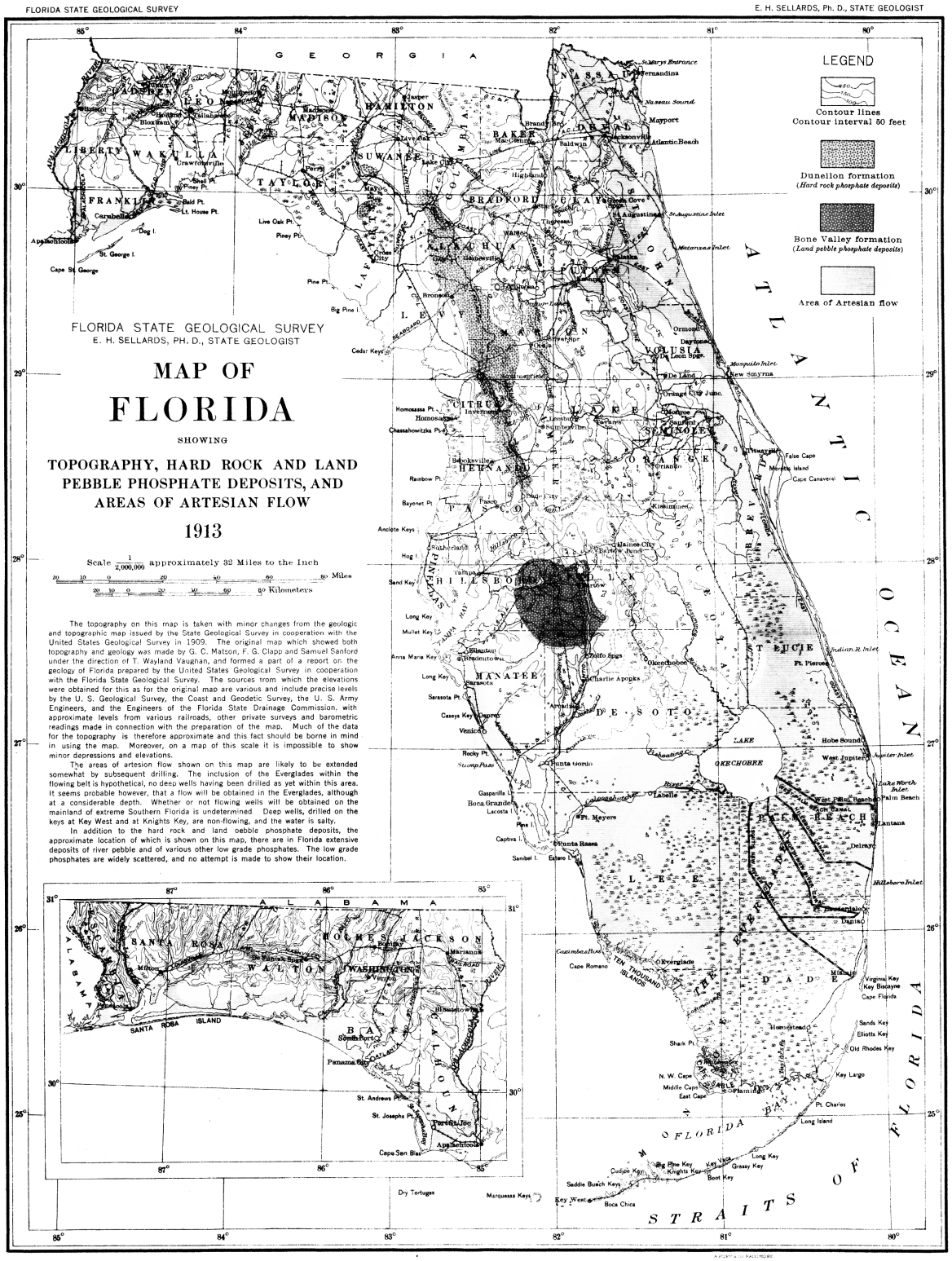
FLORIDA STATE GEOLOGICAL SURVEY
E. H. SELLARDS, PH. D., STATE GEOLOGIST
MAP OF
FLORIDA
SHOWING
TOPOGRAPHY, HARD ROCK AND LAND PEBBLE PHOSPHATE DEPOSITS, AND AREAS OF ARTESIAN FLOW
1913
Scale 1/2,000,000 approximately 32 Miles to the Inch
The topography on this map is taken with minor changes from the geologic and topographic map issued by the State Geological Survey in cooperation with the United States Geological Survey in 1909. The original map which showed both topography and geology was made by G. C. Matson, F. G. Clapp and Samuel Sanford under the direction of T. Wayland Vaughan, and formed a part of a report on the geology of Florida prepared by the United States Geological Survey in cooperation with the Florida State Geological Survey. The sources from which the elevations were obtained for this as for the original map are various and include precise levels by the U. S. Geological Survey, the Coast and Geodetic Survey, the U. S. Army Engineers, and the Engineers of the Florida State Drainage Commission, with approximate levels from various railroads, other private surveys and barometric readings made in connection with the preparation of the map. Much of the data for the topography is therefore approximate and this fact should be borne in mind in using the map. Moreover, on a map of this scale it is impossible to show minor depressions and elevations.
The areas of artesian flow shown on this map are likely to be extended somewhat by subsequent drilling. The inclusion of the Everglades within the flowing belt is hypothetical, no deep wells having been drilled as yet within this area. It seems probable however, that a flow will be obtained in the Everglades, although at a considerable depth. Whether or not flowing wells will be obtained on the mainland of extreme Southern Florida is undetermined. Deep wells, drilled on the keys at Key West and at Knights Key, are non-flowing, and the water is salty.
In addition to the hard rock and land pebble phosphate deposits, the approximate location of which is shown on this map, there are in Florida extensive deposits of river pebble and of various other low grade phosphates. The low grade phosphates are widely scattered, and no attempt is made to show their location.
LEGEND
Contour lines
Contour interval 50 feet
Dunellon formation
(Hard rock phosphate deposits)
Bone Valley formation
(Land pebble phosphate deposits)
Area of Artesian flow
GEORGIA
ATLANTIC OCEAN
STRAITS OF FLORIDA
ALABAMA
SANTA ROSA ISLAND
BAY
HOLMES
JACKSON
WALTON
WASHINGTON
CALHOUN
GADSDEN
LEON
JEFFERSON
MADISON
HAMILTON
SUWANNEE
LIBERTY
WAKULLA
TAYLOR
FRANKLIN
BAKER
NASSAU
DUVAL
CLAY
BRADFORD
ALACHUA
LAFAYETTE
DIXIE
GILCHRIST
LEVY
MARION
PUTNAM
FLAGLER
VOLUSIA
SEMINOLE
ORANGE
LAKE
SUMTER
CITRUS
HERNANDO
PASCO
HILLSBOROUGH
POLK
MANATEE
DE SOTO
HARDEE
HIGHLANDS
OSCEOLA
BREVARD
ST LUCIE
MARTIN
OKEECHOBEE
PALM BEACH
BROWARD
DADE
LEE
COLLIER
MONROE
Jacksonville
Mayport
Fernandina
Tallahassee
Apalachicola
Cape St. George
Cedar Keys
Tampa
Sarasota
Venice
Punta Gorda
Fort Myers
Naples
Everglades
Key West
Dry Tortugas
Marquesas Keys
Boca Chica
Cape Romano
Cape Florida
Key Largo
Long Island
Miami
Palm Beach
Jupiter Inlet
Hobe Sound
Ft. Pierce
Cape Canaveral
Daytona
Ormond
Mosquito Inlet
New Smyrna
Orlando
Kissimmee
Ocala
Gainesville
Lake City
Jacksonville
Atlantic Beach
St. Augustine
Matanzas Inlet
Hillsboro Inlet
Lake Worth Inlet
Indian R. Inlet
Mosquito Inlet
Cuchillas Reef
Ten Thousand Islands
Dry Tortugas
Marquesas Keys
Key West
Boca Chica
Saddle Bunch Keys
Big Pine Key
Knights Key
Grassy Key
Long Key
Boot Key
Sands Key
Elliotts Key
Old Rhodes Key
Virginia Key
Key Biscayne
Cape Florida
Shark Pt.
N. W. Cape
Middle Cape
East Cape
Pt. Charles
Long Island
Homestead
Miami
Everglade
Cape Romano
Ten Thousand Islands
Cuchillas Reef
Gasparilla
Boca Grande
Lacosta I.
Pine I.
Captiva I.
Sanibel I.
Estero I.
Punta Rassa
Ft. Meyers
Labelle
Okeechobee
Hobe Sound
Jupiter Inlet
Lake Worth Inlet
Palm Beach
West Palm Beach
Lantana
Delray
Hillsboro Inlet
Pompano
Dania
Hollywood
Miami
Virginia Key
Key Biscayne
Cape Florida
Sands Key
Elliotts Key
Old Rhodes Key
Key Largo
Long Island
Pt. Charles
Homestead
Shark Pt.
N. W. Cape
Middle Cape
East Cape
Flamingo
Long Key
Grassy Key
Boot Key
Big Pine Key
Knights Key
Saddle Bunch Keys
Cudjoe Key
Key West
Boca Chica
Dry Tortugas
Marquesas Keys
Cape Sen Blas
Apalachicola
St. Joseph Pt.
St. Andrews Pt.
Panama City
Pensacola
Milton
Bluff Springs
Marianna
Vernon
Chipola R.
Blountstown
Bristol
Southport
Chattahoochee
Quincy
Tallahassee
Apalachicola
Cape St. George
St. George I.
Dog I.
Carrabelle
Lt. House Pt.
Bald Pt.
Live Oak Pt.
Piney Pt.
Pine Pt.
Big Pine I.
Cedar Keys
Homosassa Pt.
Chassahowitzka Pt.
Rainbow Pt.
Bayonet Pt.
Anclote Keys
Hog I.
Sand Key
Long Key
Mullet Key
Anna Maria Key
Long Key
Sarasota Pt.
Caseys Key
Rocky Pt.
Stump Pass