TYPE LOCALITY DESCRIPTIONS

INGLIS FORMATION

(UPPER EOCENE)

A. F. Randazzo[1], L. Nealy[1], J. Ellis[1]
Gainesville, Florida 32601

TYPE LOCALITY

LOCATION: 200 ft below the abandoned Florida Power Corporation dam, on the north bank of the Withlacoochee River on the SW¼, SW¼, sec. 8, T17S, R17 E, Levy County, Florida.

NAMED BY: R. O. Vernon, 1951, Geology of Citrus and Levy counties, Florida: Fla. St. Geol. Surv. Bull. 33, p. 115, as Inglis Member of Moodys Branch Formation.

H. S. Puri, 1957, Stratigraphy and zonation of the Ocala Group: Fla. Dept. Conserv. Geol. Surv. Bull. 38, p. 24, as Inglis Formation.

AGE: In lower part of Upper Eocene.

KNOWN DISTRIBUTION: An almost continuous exposure on the Withlacoochee River from Inglis to the Gulf of Mexico: It occurs on the surface and in the subsurface of central and northern peninsular Florida, and in the central panhandle of Florida.

CORRELATED WITH: Lower part of the Moodys Branch Formation.

ORIGINAL DESCRIPTION (Vernon, 1951, p. 116): "The Inglis member is a cream to tan, granular and rarely pasty, porous, fairly hard, massive, shallow-water, marine limestone containing an abundant and bizarre fauna, in part being a coquina of foraminifers, mollusks, and echinoids. The base of the bed has been dolomitized in some of the outcrop area and rarely the bed is completely dolomitized. The dolomite is tan to brown, very porous but poorly permeable, soft and friable ranging to hard and indurated and massive. Silt-sized, euhedral dolomite crystals, poorly cemented, form much of the dolomite rock."

COLUMN AND LOCATION MAP: Column, Vernon (1951, p. 129-130); location map, Randazzo, this report.

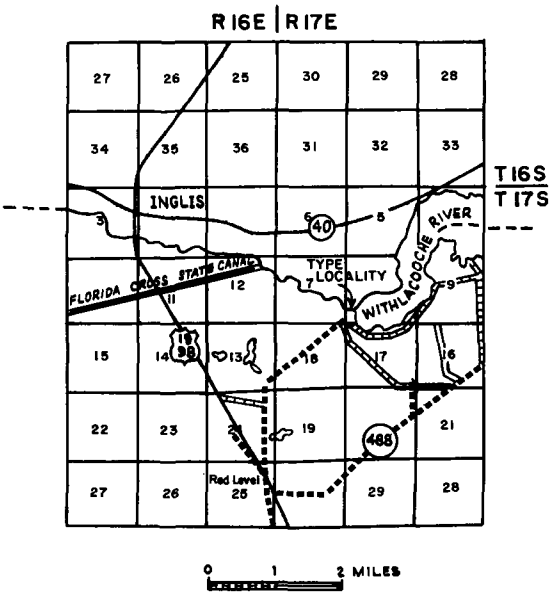
REMARKS: Vernon (1951) did not specify an exact location for the type section. Puri (1957) implied but did not specify that another section along the Withlacoochee River was used. However, the section described in this report is preferred because it is as well exposed, is of the same thickness, and displays the unconformable contact with the Avon Park limestone.

The section is badly weathered (April, 1971) and fluctuating river levels have caused the development of many large solution vugs and case-hardening. The unconformity separating the Inglis and Avon Park formations is well exposed. Fossils are poorly preserved. Among the mollusks identified 2 were: *Corbula densata* Conrad, *Cardium (Trigoniocardium) protoaliculum* Richards, *Bellatara floridana* Palmer, *Venericardia withlacoochensis* Richards. The echinoid *Periarchus lyelli floridana* was present in considerable abundance.

REFERENCES

Puri, H. S., 1957, Stratigraphy and zonation of the Ocala Group: Fla. Dept. Conserv. Geol. Bull. 38, 248 p.

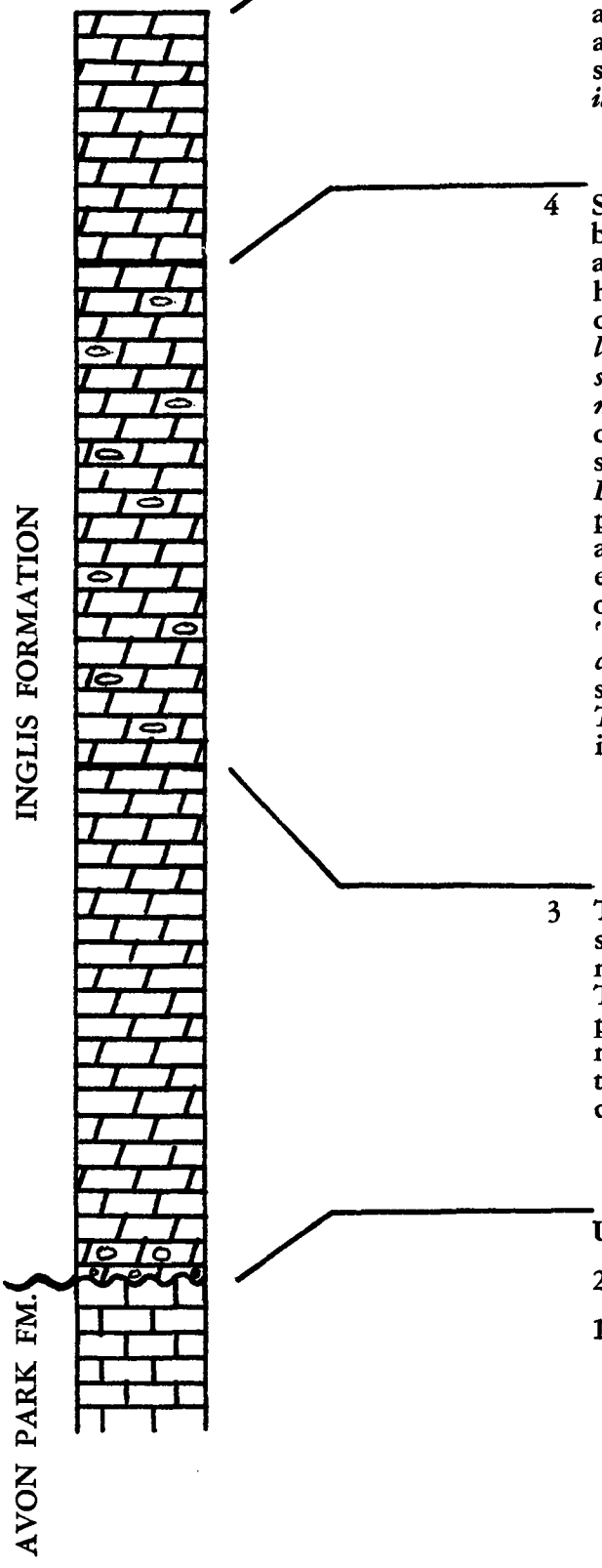
Vernon, R. O., 1951, Geology of Citrus and Levy counties, Florida: Fla. St. Geol. Surv. Bull. 33, 256 p.



INGLIS FORMATION – TYPE LOCALITY MAP

[1]Department of Geology, University of Florida.
Fossils identified by D. Nicol, University of Florida.
Authors are responsible only for supplying the information on type sections.

COLUMN (from Vernon, 1951)



5 Tan, very soft, finely crystalline, massive dolomite containing abundant foraminifers, barnacle and mollusk molds, *Coskinolina* sections, shrimp claws, and *Periarchus lyelli floridanus* ---------- 1.0

4 Similar dolomite containing pebbles of laminated dolomite and abundant nodular concretions of hard, brown to gray, crystalline, dolomitic limestone. *Periarchus lyelli floridanus, Cassidulus ericsoni, C. globosus, Eupatagus mooreanus,* all dolomitized and deformed but beautifully preserved, sections of *Coskinolina, Dictyoconus* and *Lituonella,* impressions of *Peneropli* sp. "X", and buckshot miliolids are present. Of the mollusks, specimens of *Volutospina petrosa* (Conrad), *"Cerithium"* n. sp. "A", *Trachycardium* or *Trigonocardia* n. sp., *Chaina* sp., *Tellina* sp., cf. *T eburnlopsis* Conrad have been identified. Grades into bed 3 ---- 1.9

3 Tan, soft, finely crystalline, massive dolomite containing many molds of the mollusks above. The base contains boulders and pebbles of tan, laminated dolomite and many oxidized concretions. A reworked soil mantle developed on bed 2 ---------- 2.15

Unconformity

2 Avon Park limestone

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