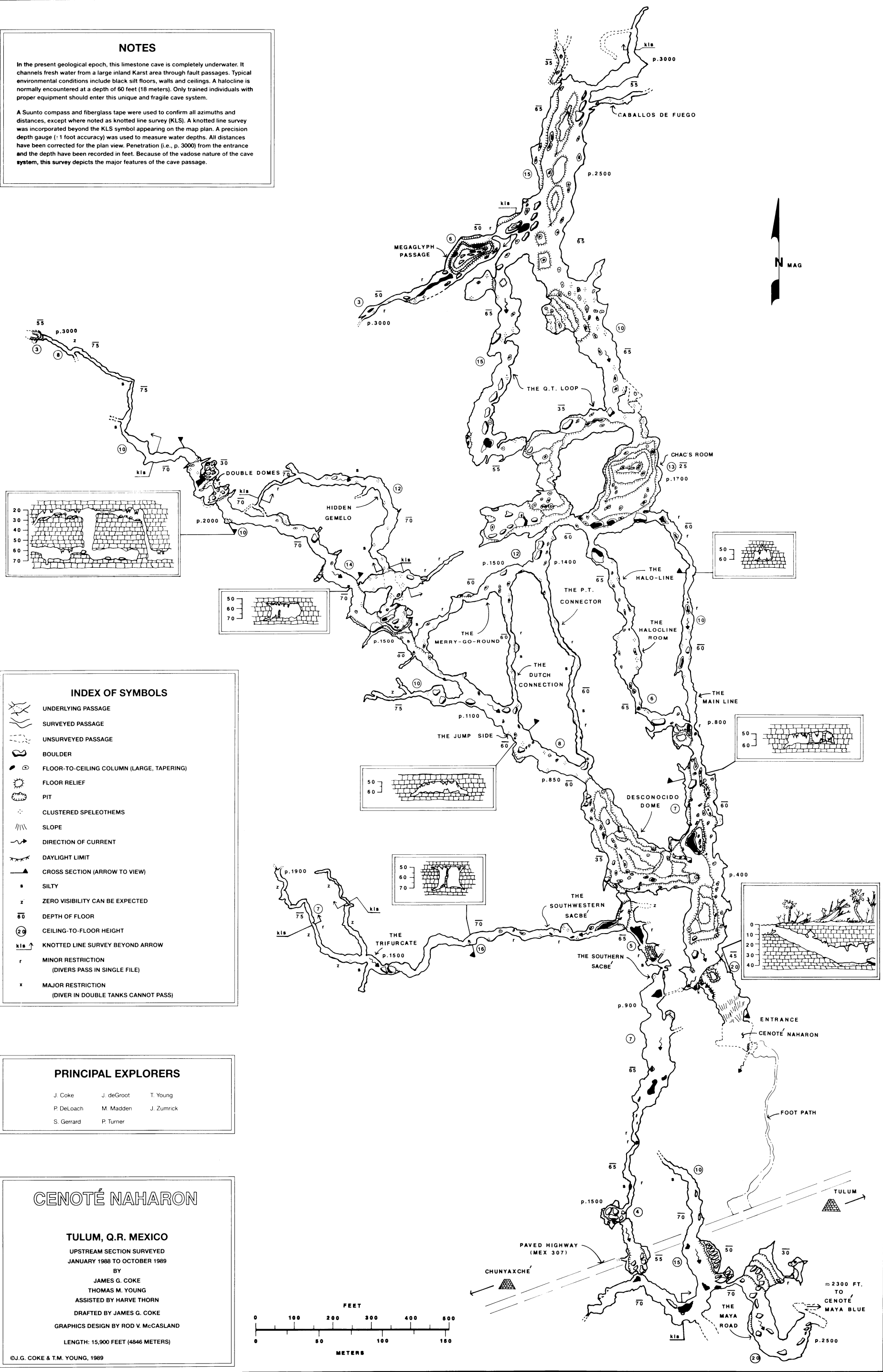


NOTES

In the present geological epoch, this limestone cave is completely underwater. It channels fresh water from a large inland Karst area through fault passages. Typical environmental conditions include black silt floors, walls and ceilings. A halocline is normally encountered at a depth of 60 feet (18 meters). Only trained individuals with proper equipment should enter this unique and fragile cave system.

A Suunto compass and fiberglass tape were used to confirm all azimuths and distances, except where noted as knotted line survey (KLS). A knotted line survey was incorporated beyond the KLS symbol appearing on the map plan. A precision depth gauge (±1 foot accuracy) was used to measure water depths. All distances have been corrected for the plan view. Penetration (i.e., p. 3000) from the entrance and the depth have been recorded in feet. Because of the vadose nature of the cave system, this survey depicts the major features of the cave passage.



INDEX OF SYMBOLS

- UNDERLYING PASSAGE
- SURVEYED PASSAGE
- UNSURVEYED PASSAGE
- BOULDER
- FLOOR-TO-CEILING COLUMN (LARGE, TAPERING)
- FLOOR RELIEF
- PIT
- CLUSTERED SPELEOTHEMS
- SLOPE
- DIRECTION OF CURRENT
- DAYLIGHT LIMIT
- CROSS SECTION (ARROW TO VIEW)
- SILTY
- ZERO VISIBILITY CAN BE EXPECTED
- DEPTH OF FLOOR
- CEILING-TO-FLOOR HEIGHT
- KNOTTED LINE SURVEY BEYOND ARROW
- MINOR RESTRICTION (DIVERS PASS IN SINGLE FILE)
- MAJOR RESTRICTION (DIVER IN DOUBLE TANKS CANNOT PASS)

PRINCIPAL EXPLORERS

- J. Coke J. deGroot T. Young
- P. DeLoach M. Madden J. Zumrick
- S. Gerrard P. Turner

CENOTE NAHARON

TULUM, Q.R. MEXICO

UPSTREAM SECTION SURVEYED
JANUARY 1988 TO OCTOBER 1989

BY
JAMES G. COKE
THOMAS M. YOUNG

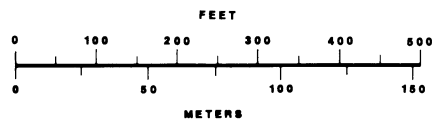
ASSISTED BY HARVE THORN

DRAFTED BY JAMES G. COKE

GRAPHICS DESIGN BY ROD V. McCASLAND

LENGTH: 15,900 FEET (4846 METERS)

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Cenote Naharón
Tulum
Quintana Roo