

CENOTE MAYAN BLUE

TULUM, QUINTANA ROO MEXICO

20° 11' 38" N LATITUDE
87° 29' 50" W LONGITUDE

AN UNDERWATER CAVE PLAN OF THE
MAYAN BLUE UPSTREAM AND XIBALBA
SECTIONS OF SISTEMA NARANJAL
SURVEYED
JANUARY 1990 TO DECEMBER 1992
BY
JAMES G. COKE IV
LORIE CONLIN
THOMAS M. YOUNG
DRAFTED BY
JAMES G. COKE IV

Plan Length: 26, 852 FEET (8184 METERS)
Plan Depth: 91 FEET (27.7 METERS)

© J.G. COKE IV, L. CONLIN, T.M. YOUNG, 1993

**SUMMARY ON
PENETRATION NOTATIONS**

PENETRATIONS FROM NEAREST ENTRANCE

p.1500 Entering Through A Tunnel
p.1700 Entering Through B Tunnel
p.1000 Entering Through Dead Zone
p.1100 Entering Through Cenote of the Sun

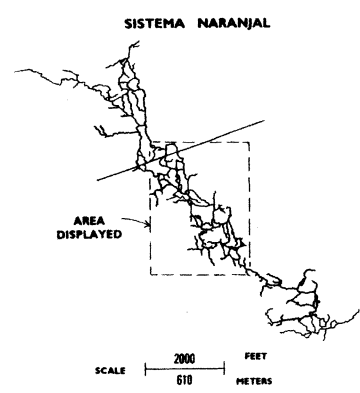
PRINCIPAL EXPLORERS

J. Coke
L. Conlin
S. Gerrard
M. Madden

H. Thorn
T. Thorn
T. Young
J. Zimrick

INDEX OF SYMBOLS

- SURVEYED PASSAGE
- - - UNSURVEYED PASSAGE
- UNDERLAYING PASSAGE
- BOULDER
- ⊙ FLOOR-TO-CEILING COLUMNS (LARGE, TAPERING)
- ⊙ FLOOR RELIEF (MATCHING TO LOWER LEVEL)
- △ SLOPE
- ⊖ PIT
- ⊙ CLUSTERED SPELEOTHEMS
- ⊙ NATURAL LIGHT LIMIT
- DIRECTION OF CURRENT
- S SILTY
- Z EXPECT ZERO VISIBILITY
- 75 DEPTH OF FLOOR (IN FEET)
- ① FLOOR-TO-CEILING HEIGHT (IN FEET)
- ↔ CROSS SECTION (ARROW TO VIEW)
- p.1300 PENETRATION FROM ENTRANCE
- KLS KNOTTED LINE SURVEY BEYOND ARROW
- ⊥ MINOR RESTRICTION (DIVERS PASS IN SINGLE FILE)
- X MAJOR RESTRICTION (BACK-MOUNT GEAR CANNOT PASS)



NOTES

In the present geological era, this underwater limestone cave is completely flooded by fresh and salt waters. Located near the coast of the Mexican Caribbean, it sustains the drainage pattern initiated by Cenote Naharon towards the South and East through dissoluted fracture and joint controlled cave passages. A halocline is encountered at a depth of 54 feet (17 meters). Typical environmental conditions include cream colored silt floors with chestnut colored walls and ceilings. Only trained individuals using proper equipment and expert technique should enter this fragile cave system.

Precision underwater instruments were used to confirm all azimuths and depths of the cave. A fiberglass tape was used to measure all distances except where noted as (KLS). A Knotted Line Survey was incorporated beyond the KLS symbol appearing on the map plan. All distances have been corrected for the plan view.

Penetrations depths and ceiling heights are noted in feet. The cross section and profile information is enlarged by twice the plan scale unless scaled otherwise. This survey depicts the major features of the cave passage.

