

For all lines and columns

Blank = No information known about that column
 "Z" = Known that no code can apply

For a cave to be included in the survey the following requirement must be met or exceeded. The horizontal length or vertical extent must be at least 15 meters.

The horizontal length is the projection of the cave into horizontal plane.

All lines and columns have a common format for columns 1-11. The format for columns 12-80 depends upon the code in column 8.

ENTRANCE LINE FORMAT ("E" IN COLUMN 8)

Col.1-2 State

AG	AGUASCALIENTES	MO	MORELOS
BN	BAJA CALIFORNIA NORTE	NA	NAYARIT
BS	BAJA CALIFORNIA SUR	NL	NUEVO LEON
CA	CAMPECHE	OA	OAXACA
CH	CHIAPAS	PU	PUEBLA
CI	CHIHUAHUA	QO	QUERETARO
CL	COAHUILA	QR	QUINTANA ROO
CO	COLIMA	SL	SAN LUIS POTOSI
DF	DISTRITO FEDERAL	SN	SINALOA
DU	DURANGO	SO	SONORA
GO	GUANAJUATO	TA	TABASCO
GU	GUERRERO	TM	TAMAULIPAS
HI	HIDALGO	TX	TLAXCALA
JA	JALISCO	VE	VERACRUZ
ME	MEXICO	YU	YUCATAN
MI	MICHOACAN	ZA	ZACATECAS

Col. 3-7 Cave Number. Each cave has a unique identification number. Sites verified not to be caves are not assigned numbers.

Col. 8 Line type indicates the format that this line uses.

D=Additional data including scientific and historic information
 E=Entrance N=Alternate name
 F=Full correct name X=Non cave site or verified not a cave

Col. 9-10 Entrance number or line number.

Every entrance of a cave is assigned a unique sequential number on its "E" line starting with the number 1. For example, if a cave has 3 entrances they would be numbered 1,2, and 3.

On "D", "N" and "X" lines col. 9-10 are used to number the lines. If a "D" line applies to an specific extrance(s) state so in the

text. If an "N" line applies to a specific entrance(s) the information is written in col. 50-80 of the "N" line.

An "F" line has the same entrance number as the "E" line it applies to.

Col. 12-30 Name of the cave or entrance. Only names in the local languages should be used. The permitted abbreviations are:

A ACTUN	J JOYA	RE RESUMIDERO
AT ATEPOLIHUIT	L LAS/LOS	R RIO
CN CENOTE	LL LLANO	SI SIMA
C CUEVA	N NITA	SM SISTEMA
D DE/DEL	NA NACIMIENTO	S SOTANO
GR GRIETA	NR NUMERO	SO SOTANITO
G GRUTA	P POZO	SU SUMIDERO
H HOYA	PU PUERTO	

+S = Plural (Example: SS = SOTANOS)

All other text is either spelled out or are bona fide spelling of the cave name.

The significant part(s) of a cave name are first, followed by the rest. Examples: ALFREDO, SOTANO DE; RIO COY, CUEVA DEL NACIMIENTO DEL

The name order is:

In front: AGUA DE, ARROYO, CERRA, CUESTA, JOYA, LLANO, NUEVO, OJO, PUERTE DE, RANCHO, RIO, SAN, SIERRA, DATE/NUMBERS
(EXAMPLES: CINCO DE ABRIL, POZO; DOS ACROBATAS, POZO)

Behind: CON, CUEVA, DE, DEL, EL, EN, LA, NACIMIENTO, NITA, POZO, SIN, SIMA, SOTANO, SUMIDERO

Col. 31-43 Location coordinates in latitude and longitude.

Col. 31-36	Latitude North
Col. 37-43	Longitude West

The latitude and longitude location is in degrees, minutes, and seconds. The Mexican topographic maps and MCS use the 1927 Mexico datum (NAD 27 CONUS). GPS Receivers should be set to NAD 27 CONUS not NAD 27 MEXICO.

GPS Recivers must be set to NAD 27 CONUS. The GPS elevation is normally incorrect and should not be entered on the report form. To get a more correct location WAAS should be enabled.

Col. 45-50 Code for the topographic map upon which the cave is located.

Col. 51 Indication of the cave on the topographic map.

C=Contour distortion	N=No indication
E=Mine	Q=Quarry
I=Inflowing stream (sink)	S=Sink ("Intermittent lake")

M=Marked as cave

X=Spring

Col. 52-55 Elevation of the entrance above sea level in meters.

Col. 56 Entry status:

P=Private

E=Ejido

C=Commerical cave

K=Government park

D=Destroyed or blocked

L=Locked

G=Government owned

Col. 57 Special equipment or technique to enter main part of cave.

N=Normal gear

R=Rope/Prusik/Rappel

D=Diving gear

T=Wetsuit

X=Other special equipment

Col. 58 Type of entrance.

Horizontal or sloping down

Vertical

E Extremely big, 10 meters+

A Artificial shaft/mine

H Stoop or duck walk

C Chimney or climb

K Crawl

O Very wide pit, 10 Meters+

L Large, walk in

P Pit

T Artificial tunnel/mine

Col. 59 Indication of entrance in the field.

A=Arroyo/Wet-weather streambed

Q=Quarry

B=In bluff or outcrop

R=Roadcut

H=Hillside

S=Sink

I=Inflowing stream

U=Underwater/cenote

L=Flat level ground

X=Spring

Col. 61 Cave map type.

U=Unmapped

1=Rough diagram from memory, not to scale.

2=Sketch, plan roughly to scale, no instruments used, directions & distances estimated.

3=Rough plan, survey, compass, lengths by pace or marked cord.

4=Prismatic compass, tape, no clinometer. Bearing to nearest degree.

5=Calibrated prismatic compass, clinometer, tape, bearing to nearest degree.

6=Calibrated prismatic compass and clinometer on tripod, chain or tape.

7=Theodolite for bearing or slopes, distance by tape, chain or tachymeter, or by any more accurate means.

Col. 62-63 Geologic formation(s) cave or entrance(s) occur in:

AB EL ABRA LIMESTONE

AA AGUA NUEVA & EL ABRA LIMESTONE

AG AGUA NUEVA FORMATION

AU AURORA FORMATION

AN AUSTIN FORMATION

BA BACALAR FORMATION

CA CARRILLO PUERTO FORMATION
 CC CUESTA DEL CURA FORMATION
 CH CHUMBEC LIMESTONE
 CU CUPIDO LIMESTONE
 EF EAGLE FORD FORMATION
 ES ESTERO FRANCO FORMATION
 HU HUAYACOCOTLA FORMATION
 IC ICAICHE GYPSUM
 KI KIAMICHI FORMATION
 MA MALTRATA FORMATION
 MR MALTRATA & ORIZABA FORMATION
 MT MALTRATA, ORIZABA, CAPOLUCAN, TUXPANGUILLO FORMATION
 ME MENDEZ FORMATION
 MP MOMPUYIL FORMATION
 MO MORELOS FORMATION
 OR ORIZABA FORMATION
 PE LA PENNA FORMATION
 PI PISTE LIMESTONE
 SF SAN FELIPE FORMATION
 SM SIERRA MADRE LIMESTONE
 SO SOMBRETILLO FORMATION
 SY SOYATAL FORMATION
 TA TAMABRA LIMESTONE
 TT TAMABRA & TAMAULIPAS FORMATION
 TN TAMAN LIMESTONE
 TO TAMASOPO FORMATION
 TS TAMAULIPAS SUPERIOR
 TI TAMAULIPAS INFERIOR
 TF TARAISES FORMATION
 TR LAS TRANCAS FORMATION
 TU TUXPANGUILLO FORMATION
 XB XBACAL LIMESTONE
 XO XOCHICALCO FORMATION

Col. 64 Physiographic Province:

B BAJA CALIFORNIA
 A BALSAS DEPRESSION (DEPRESSION DEL BALSAS)
 C CENTRAL PLATEAU (ALTIPLANICIE CENTRAL)
 D CHIAPAS DEPRESSION
 E SIERRA MADRE DE CHIAPAS
 U CHIAPAS PLATEAU (ALTIPLANICIE DE CHIAPAS)
 G GULF COASTAL PLAIN (LLANURA COSTERA DEL GOLFO DE MEXICO)
 L SIERRA DE LAS LOS LACANDONES
 N NORTHERN BASIN AND RANGE (PLANICIE SEPTENTRIONAL)
 W NORTHWESTERN COASTAL PLAIN (LLANURA COSTERA DEL NOROESTE)
 X OAXACAN MOUNTAIN SYSTEM (SISTEMA MONTANOSO OAXAQUENO-POBLANO)
 M SIERRA MADRE OCCIDENTAL
 O SIERRA MADRE ORIENTAL
 P PAPALOAPAN-GRIJALVA PLAIN
 S SIERRA MADRE DEL SUR
 T TEHUANTEPEC PLAIN (PLANICIE DE TEHUANTEPEC)
 V TRANSVERSE VOLCANIC BELT
 Y YUCATAN PENINSULA

Col. 65-70 Cave length in meters.

Col. 71-74 Overall vertical extent of the cave in meters.

Col. 75-78 Depth of deepest reasonably vertical pit normally rigged by one rope, not handline or climbdown.

Col. 79-80 Total number of pits which must be rigged to fully explore cave.

Data lines ("D" in column 8)

Col. 1-11 Same format as "E" line

Col. 15-80 Data in clear text

Full name line ("F" in column 8)

Col. 1-11 Same format as "E" line

Col. 15-80 Full correct name of the cave or entrance, not abbreviated

Alternate name line ("N" in column 8)

Col. 1-11 Same format as "E" line

Col. 12-46 Alternate name of the cave. Same abbreviations as on "E" lines apply.

Col. 48 Source

A=Alt name in common use
O=Old name, obsolete

P=Pre-commerical name
S=Alternate spelling or form not preferred

Col. 50-80 Entrance(s) affected, if specific

Non Cave Line ("X" in column 8)

Col. 1-11 Same format as "E" line except Non Caves are assigned a separate number in cols 4-7 starting with 1.

Col. 15-80 Cave name (if named site) and reason why None Cave.

Destroyed
Added through error
Joint to another cave underground
Discovered not qualified as a cave
Bluff shelter
Name only/fictional cave
Mine
Mud slump or blocked sink

Like cave but too small, unqualified
No feature at all exists although specifically located
In literature
Folklore/Legend
Marked on the topo map