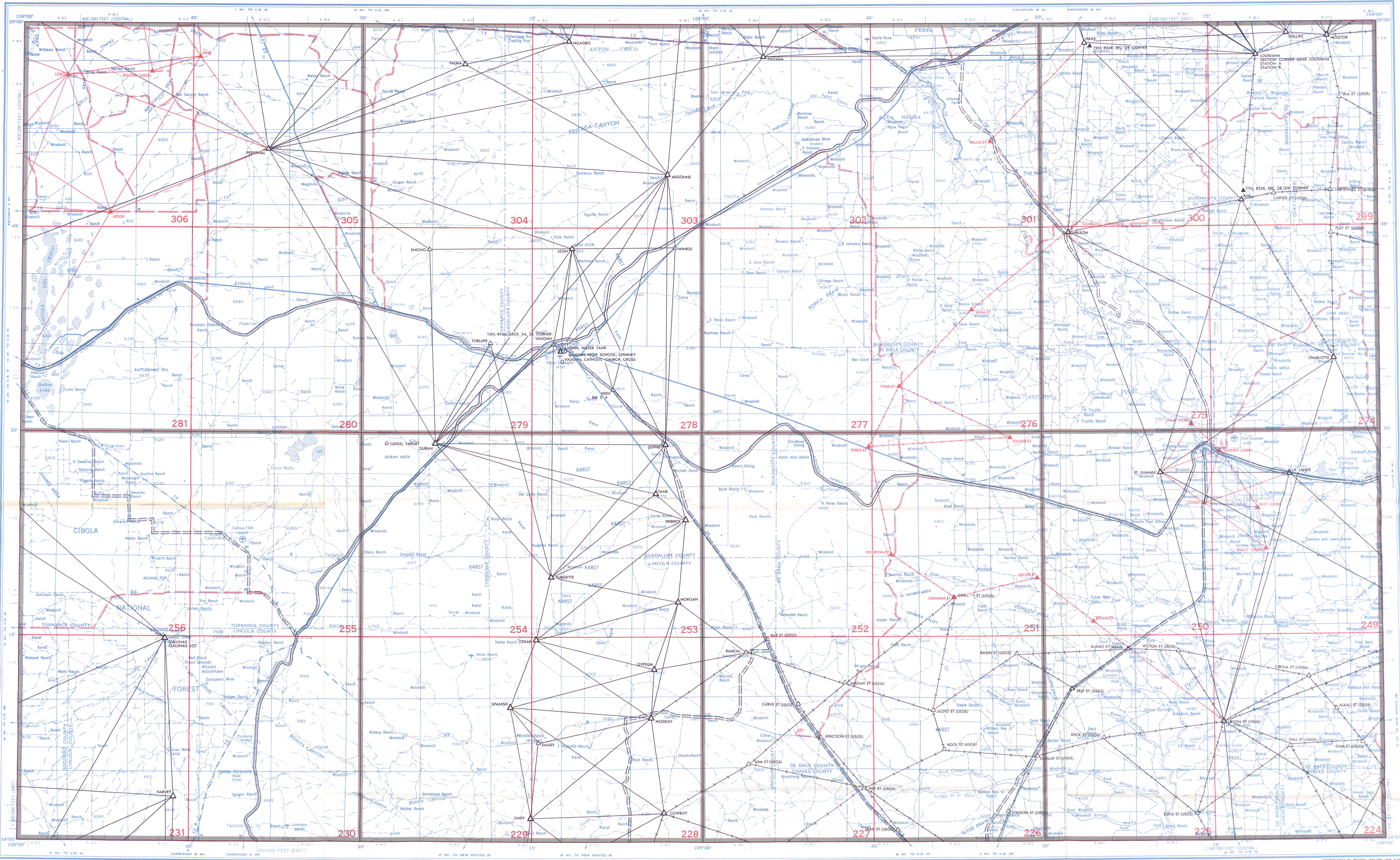


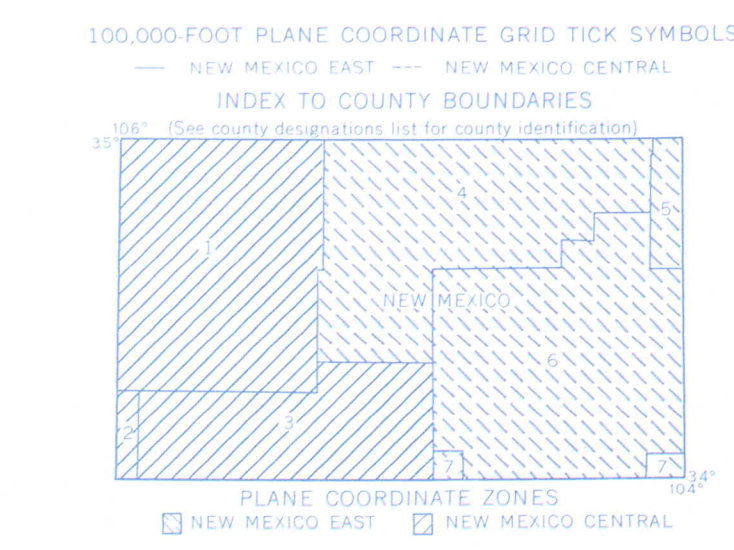
GEODETIC CONTROL DIAGRAM



Base prepared by the Army Map Service (AMS), Corps of Engineers, U. S. Army, Washington, D. C. Completed in 1955 by photogrammetric methods. Horizontal and vertical control by USGS, USCGS and USCE. Aerial photography, 1954. Photographic field annotated 1954. Limited revision by U. S. Geological Survey 1963.

FORT SUMNER, NEW MEXICO (N1 13-5)

USCOM-NOAA-CR REVISED JANUARY 1976, A 5004



- | HORIZONTAL CONTROL | | VERTICAL CONTROL | |
|--------------------|---|------------------|-----------------------|
| | National Ocean Survey | | National Ocean Survey |
| | Geological Survey | | Geological Survey |
| | Monumented Point - First Order | | First Order |
| | Monumented Point - Second Order | | Second Order |
| | Monumented Point - Third Order | | Third Order |
| | Located Object - Third Order | | |
| | See separate index for names of numbered stations | | |
| | Station reported not recovered | | |
| | Measured Base - Electronic or Taped | | |
| | Line of triangulation observed from one end only | | |
| | Line of triangulation observed from both ends | | |
| | Measured Length - Electronic or Taped | | |
| | Theodolite Traverse - Electronic Distance | | |
| | Transit Traverse - Taped Distance Third Order | | |
| | Transit Traverse and Leveling Third Order | | |

- | STATE SURVEY CONTROL | |
|----------------------|------------------------|
| | Horizontal or Vertical |

Scale 1:250,000

SECTIONIZED TOWNSHIP

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

TRANSVERSE MERCATOR PROJECTION

LOCATION DIAGRAM FOR N1 13-5

| | | |
|---------|---------|---------|
| N1 13-1 | N1 13-2 | N1 13-3 |
| N1 13-4 | N1 13-5 | N1 13-6 |
| N1 13-7 | N1 13-8 | N1 13-9 |

LEGEND

| | | | |
|--|----------------|--|----------------------------|
| | ROADS | | RAILROADS |
| | BOUNDARIES | | LANDMARKS |
| | Marsh or swamp | | Spot elevation in feet |
| | Power line | | Intermittent or dry stream |

NATIONAL OCEAN SURVEY THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

| | | | |
|----------|----------|----------|----------|
| 34 105 4 | 34 105 3 | 34 104 4 | 34 104 3 |
| 34 105 2 | 34 105 1 | 34 104 2 | 34 104 1 |

ORDER CONTROL DATA SHOWN IN BLACK OR BROWN, BY 30 MINUTE QUADRANGLE UNITS, FROM THE OFFICE OF NATIONAL GEODETIC SURVEY, NOAA, ROCKVILLE, MARYLAND 20852.

GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 224 | 225 | 226 | 227 | 228 | 229 |
| 230 | 231 | 232 | 233 | 234 | 235 |
| 249 | 250 | 251 | 252 | 253 | 254 |
| 255 | 256 | 257 | 258 | 259 | 260 |
| 274 | 275 | 276 | 277 | 278 | 279 |
| 280 | 281 | 282 | 283 | 284 | 285 |
| 299 | 300 | 301 | 302 | 303 | 304 |

ORDER CONTROL DATA SHOWN IN RED, BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON, D. C. 20542.

FORT SUMNER, NEW MEXICO (N1 13-5)
SEPTEMBER 1969
REVISED JANUARY 1974

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SURVEY
 ROCKVILLE, MARYLAND 20852
 NOAA FORM 76-107 (5-72)

32877

ALPHABETICAL INDEX TO HORIZONTAL CONTROL DATA

by the
 National Ocean Survey

PAGE 1
 QUADS 341041-2-3-4 & 341051-2-3-4
 N. MEX.
 LATITUDE 34 00' TO 35 00'
 LONGITUDE 104 00' TO 106 00'
 DIAGRAM NI 13-5 FORT SUMNER

DATE NOV 1967 REV JUL 1970

| STATION NAME | QUAD NO. | STATION NO. | KEY NO. | STATION NAME | QUAD NO. | STATION NO. | KEY NO. |
|------------------------|----------|-------------|---------|-------------------------------|----------|-------------|---------|
| ALAMO ET USGS | | 341042 | 1011 | LOUISIANA | | 341041 | 1006 |
| ALKALI ET USGS | | 341042 | 1005 | LLOYD ET USGS | | 341043 | 1005 |
| ANIL | 1922 | 341041 | 1002 | MILAGRO | | 341051 | 1001 |
| ARGONNE | | 341051 | 1002 | MOLETOR | 1921 | 341041 | 1009 |
| ARM ET USGS | | 341043 | 1014 | MORGAN | | 341052 | 1005 |
| BAR ET USGS | | 341043 | 1009 | MOSELEY | | 341052 | 1008 |
| BASIN ET USGS | | 341043 | 1006 | NELSON | | 341041 | 1004 |
| BENCH MARK S 4 | | 341051 | 1006 | OMER | | 341052 | 1011 |
| BURGETTE | | 341052 | 1004 | PALMA | | 341051 | 1014 |
| CARTER ET USGS | 1970 | 341041 | 1013 | PEDERNAL | | 341054 | 1001 |
| CEDAR | | 341052 | 1006 | PHILLIPS | | 341041 | 1010 |
| CHARLOTTE | 1922 | 341041 | 1001 | PINTADA | | 341044 | 1001 |
| CIBOLA ET USGS | | 341042 | 1004 | RAMON | | 341043 | 1001 |
| CITY | | 341051 | 1008 | ROCK ET USGS | | 341043 | 1004 |
| COWBOY | | 341052 | 1012 | SALLEY | | 341052 | 1010 |
| CURVE ET USGS | | 341043 | 1010 | SECTION CORNER NEAR LOUISIANA | | 341041 | 1006 |
| DALL ET USGS | | 341042 | 1007 | SKIP ET USGS | | 341042 | 1012 |
| DECK ET USGS | | 341042 | 1009 | SPANISH | | 341052 | 1009 |
| DERRICK | | 341052 | 1003 | STATION A | | 341041 | 1007 |
| DUNLAP ET USGS | | 341043 | 1002 | STATION B | | 341041 | 1008 |
| DURAN | | 341052 | 1013 | STINSON ET USGS | | 341043 | 1003 |
| ENCINO | | 341051 | 1013 | T5N R16E SECS 34 35 COR | | 341051 | 1007 |
| ESPIA ET USGS | | 341042 | 1008 | T7N R26E SEC 28 SW COR | | 341041 | 1003 |
| FLAT ET USGS | 1970 | 341041 | 1011 | T9N R24E SEC 29 SW COR | | 341041 | 1005 |
| FORT SUMNER | | 341042 | 1001 | TANK | | 341052 | 1002 |
| GALLINAS | | 341053 | 1001 | TORLUPE | | 341051 | 1012 |
| GALLINAS LOOKOUT TOWER | | 341053 | 1001 | TRAIL ET USGS | | 341043 | 1013 |
| GRAMMA ET USGS | | 341043 | 1007 | USGS TARGET | | 341052 | 1014 |
| GUM ET USGS | | 341042 | 1006 | URTON | | 341042 | 1003 |
| GYPSSUM | | 341052 | 1007 | VAUGHN | | 341051 | 1007 |
| HAILE | | 341041 | 1005 | VAUGHN CATHOLIC CHURCH CROSS | | 341051 | 1009 |
| HARVEY | | 341053 | 1002 | VAUGHN HIGH SCHOOL CHIMNEY | | 341051 | 1010 |
| IDEN | | 341051 | 1005 | VAUGHN WATER TANK | | 341051 | 1011 |
| IMA ET USGS | 1970 | 341041 | 1014 | WILTON ET USGS | | 341042 | 1010 |
| JOFFRE | | 341052 | 1001 | WINKLE | | 341051 | 1003 |
| JUNCTION ET USGS | | 341043 | 1011 | WRIGHT ET USGS | | 341043 | 1008 |
| KEY ET USGS | | 341043 | 1012 | | | | |
| LA LANDE | | 341042 | 1002 | | | | |
| LAWRANCE ET USGS | 1970 | 341041 | 1012 | | | | |
| LEON | | 341051 | 1004 | | | | |

U. S. DEPARTMENT OF COMMERCE
 ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
 COAST AND GEODETIC SURVEY
 ROCKVILLE, MARYLAND 20852
 FORM - 6470 (2/68)
 DATE NOV 1967 REV JUL 1970

ALPHABETICAL INDEX TO HORIZONTAL CONTROL DATA

by the
 Coast and Geodetic Survey

PAGE 1
 QUADS 341041-2-3-4 & 341051-2-3-4
 N MEX
 LATITUDE 34°00' TO 35°00'
 LONGITUDE 104°00' TO 106°00'
 DIAGRAM NI 13-5 FORT SUMNER

| STATION NAME | QUAD NO. | STATION NO. | KEY NO. | STATION NAME | QUAD NO. | STATION NO. | KEY NO. |
|------------------------|----------|-------------|---------|-------------------------------|----------|-------------|---------|
| ALAMO ET USGS | 341042 | 1011 | | MORGAN | 341052 | 1005 | |
| ALKALI ET USGS | 341042 | 1005 | | MOSELEY | 341052 | 1008 | |
| ANIL | 341041 | 1002 | | NELSON | 341041 | 1004 | |
| ARGONNE | 341051 | 1002 | | OMER | 341052 | 1011 | |
| ARM ET USGS | 341043 | 1014 | | PALMA | 341051 | 1014 | |
| BAR ET USGS | 341043 | 1009 | | PEDERNAL | 341054 | 1001 | |
| BASIN ET USGS | 341043 | 1006 | | PHILLIPS | 341041 | 1010 | |
| BENCH MARK S 4 | 341051 | 1006 | | PINTADA | 341044 | 1001 | |
| BURGETTE | 341052 | 1004 | | RAMON | 341043 | 1001 | |
| CEDAR | 341052 | 1006 | | ROCK ET USGS | 341043 | 1004 | |
| CHARLOTTE | 341041 | 1001 | | SALLEY | 341052 | 1010 | |
| CIBOLA ET USGS | 341042 | 1004 | | SECTION CORNER NEAR LOUISIANA | 341041 | 1006 | 7 |
| CITY | 341051 | 1008 | | SKIP ET USGS | 341042 | 1012 | |
| COWBOY | 341052 | 1012 | | SPANISH | 341052 | 1009 | |
| CURVE ET USGS | 341043 | 1010 | | STATION A | 341041 | 1008 | 8 |
| DALL ET USGS | 341042 | 1007 | | STATION B | 341041 | 1008 | |
| DECK ET USGS | 341042 | 1009 | | STINSON ET USGS | 341043 | 1003 | |
| DERRICK | 341052 | 1003 | | T5N R16E SECS 34 35 COR | 341051 | 1007 | |
| DUNLAP ET USGS | 341043 | 1002 | | T7N R26E SEC 28 SW COR | 341041 | 1003 | |
| DURAN | 341052 | 1013 | | T9N R24E SEC 29 SW COR | 341041 | 1005 | |
| ENCINO | 341051 | 1013 | | TANK | 341052 | 1002 | |
| ESPIA ET USGS | 341042 | 1008 | | TORLUPE | 341051 | 1012 | |
| FORT SUMNER | 341042 | 1001 | | TRAIL ET USGS | 341043 | 1013 | |
| GALLINAS | 341053 | 1001 | | USGS TARGET | 341052 | 1014 | |
| GALLINAS LOOKOUT TOWER | 341053 | 1001 | | URTON | 341042 | 1003 | |
| GRAMMA ET USGS | 341043 | 1007 | | VAUGHN | 341051 | 1007 | |
| GUM ET USGS | 341042 | 1006 | | VAUGHN CATHOLIC CHURCH CROSS | 341051 | 1009 | |
| GYP SUM | 341052 | 1007 | | VAUGHN HIGH SCHOOL CHIMNEY | 341051 | 1010 | |
| HAILE | 341041 | 1005 | | VAUGHN WATER TANK | 341051 | 1011 | |
| HARVEY | 341053 | 1002 | | WILTON ET USGS | 341042 | 1010 | |
| IDEN | 341051 | 1005 | | WINKLE | 341051 | 1003 | |
| JOFFRE | 341052 | 1001 | | WRIGHT ET USGS | 341043 | 1008 | |
| JUNCTION ET USGS | 341043 | 1011 | | | | | |
| KEY ET USGS | 341043 | 1012 | | | | | |
| LA LANDE | 341042 | 1002 | | | | | |
| LEON | 341051 | 1004 | | | | | |
| LOUISIANA | 341041 | 1006 | | | | | |
| LLOYD ET USGS | 341043 | 1005 | | | | | |
| MILAGRO | 341051 | 1001 | | | | | |
| MOLETOR | 341041 | 1009 | | | | | |