

**Department of Energy, Labor and Economic Growth
Office of Land Survey & Remonumentation**

MCS 83 Data Uploads from Counties

Counties may now submit coordinate records to the Office of Land Survey and Remonumentation (OLSR) by sending a comma delimited, .txt file (see table below) in an e-mail to babcockj1@michigan.gov or mailing a disk to:

Department of Energy, Labor and Economic Growth
Bureau of Construction Codes
Office of Land Survey and Remonumentation
6546 Mercantile Way, P.O. Box 30704
Lansing, MI 48909

Comma-Delimited Example:

The following represents an example of one comma-delimited MCS83 record in Gratiot County.

29,10N,04W,G04,,ABC SURVEYING,28404,8-SEP-05, 8-SEP-05,581121.87,26335880.42,0.12,
0.12,N,0.9998797,GPS C2-II,1994,RK0097,,Y,859,NAVD 88,12D45'55",12D45'32",Y, Comments

NOTE: The above example is shown on 2 lines to fit the page, even though it is a continuous record, and each field is followed by a comma.

In the example above, Corner Coordinate G04 is followed by a second comma, which indicates a blank field. This blank field would contain an Other Code if one was assigned. There is also a second comma following the NGS PID field, which represents the field for Unpublished Designator assigned by the county if an NGS PID is not entered.

Data Upload Process (see flowchart attached):

1. County E-mails data in comma delimited, electronic Microsoft file (may be e-mailed to babcockj1@michigan.gov). If the file received is not compatible with Microsoft, it will be returned to the county to reformat.
2. Server reads file and scans records
 - a. Incomplete or incorrectly formatted records are removed, put into a new file named Filename.bad, and e-mailed back to the county for revisions.
 - b. Properly formatted and complete records are sent to the existing on-line database with a status of "Submitted to State."
4. "Submitted to State" records are reviewed for content by OLSR staff.
 - a. Incomplete records or records with erroneous data are placed in "Revision" status for county review, revision, and re-submitting to the State.
 - b. Complete records with valid data are assigned "Filed" status and published for on-line access.

MCS83 DATA UPLOADS –FORMAT

FIELD	ALLOWABLE ENTRIES	EXAMPLE	REQUIRED?
COUNTY_CODE,	##	01,	Yes
TOWN,	##A	12N,	Yes
RANGES,	##A	34W,	Yes
LAND_CORNER_CODE,	A##	B12,	Yes or Other Code
OTHER_CODE,	###	002	Yes or Land Corner Code
SURVEY_FIRM_NAME,	AAAAAAA	ABC SURVEYING,	Yes
SURVEYOR_ID,	#####	12345,	Yes
PLANE_DATE ,	DD-MON-YY	10-JAN-05,	Yes
ASSIGNED_DATE ,	DD-MON-YY	10-JAN-05,	No
COORD_NORTH,	#####.##	123456.12,	Yes
COORD_EAST,	#####.##	12345678.12,	Yes
DEVIATION_NORTH,	###	0.12,	Yes
DEVIATION_EAST,	###	0.12,	Yes
ZONE,	A	N, C, or S	Yes
GRID_FACTOR,	#####	0.1234567,	Yes
SURVEY_METHOD,	A(20)	GPS A, GPS B, GPS C-1, GPS C2-1, GPS C2-II, GPS C3, TRAV I, TRAV 2-II, TRAV 3-I, TRIA I, TRIA 2-I, TRIA 2-II, TRIA 3-I, COMP, or RAPID GPS,	Yes
COORD_YEAR,	AAAAAA	1986 (no longer valid) 1994 (no longer valid) CORS96 NSRS07	Yes
NGS_PID,	AA####	AJ1234,	Yes or UNPUB_DESG
UNPUB_DESG,	AAA or #####	User generated,	Yes or NGS_PID
FGCS_CERT,	A	Y or N	Yes if UNPUB_DESG
ELEVATION,	####.##	872.55	Yes
ELEV_DATUM,	Drop-down select 1	IGLD NGVD 29 NAVD 88 Elipsoid	Yes
APPROX_LATITUDE,	##D##'##"	12D45'55"	No
APPROX_LONGITUDE,	##D##'##"	12D34'32"	No
ACTUAL_LAT_	A	Y or N	No
MEMO	AAA (unlimited)	Unlimited Text	No