BuffCAT Data Format Guidelines

BOARD OF WATER AND SOIL RESOURCES

Buffer compliance parcel data reported to BWSR in lieu of using BuffCAT are **required** to follow these guidelines for data submission. Data not following these guidelines will not meet BWSR reporting requirements.

- Data must be polygon geometry.
    - Line data will not be accepted.
- Data must be in the projection:
    - NAD83 / UTM zone 15N
    - EPSG 26915
- Data must **only** include parcels that are being tracked for buffer compliance, i.e. parcels that are applicable to buffer law. All non-applicable parcels should be removed.
- The following data must conform to these field names and data types. **REQUIRED FIELDS** are **highlighted in orange and <u>must</u> be populated:**

Field Name	Alias	Data Type	
SECTION	Section	Short	
TOWNSHIP	Township	Short	
RANGE	Range	Short	
RANGE_DIR	Range Direction	Short	
COUNTY_PIN	County PIN	Text	
STATE_PIN	State PIN	Text	
CO_CODE	County Code	Text	
CO_NAME	County Name	Text	
SWCD	SWCD	Text	
WSHD_DST	Watershed District	Text	
BUFFER_REQ	Buffer Width Requirement	Text	
BUFF_NEED	Buffer Acres Needed	Double	
BUFF_INST	Buffer Acres Installed	Double	
BUFF_COMP	Are all Buffers Compliant?	Text	
ALTERNATIVE_PRACTICE	Alternative Practice	Text	
ALTPRCTCMP	Are Alternative Practices Compliant?	Text	
PARCELCOMP	Is Parcel Compliant Based on Review?	Text	
VALIDATION	Validation of Compliance Issued?	Text	
NOTES	Notes	Text	

- The PARCELCOMP field **may only contain** the following possible values **spelled correctly** and following the **correct case**. Data containing values other than the following will **not** be accepted:
    - **Yes**
        - Compliant based on field verification, off-site review, or other means deemed appropriate.
    - **No**
        - SWCD staff has made the determination that the Parcel is not compliant with the State Buffer Law.
    - **Monitoring Complete**
        - SWCDs are tasked to review all parcels once every 3 years in accordance with their adopted compliance monitoring plan. Once a parcel has been reviewed, it can be marked as "Monitoring Complete" in BuffCAT. These parcels are still considered compliant or "Yes".

- The BUFFER_REQ field **may only contain** the following possible values **spelled correctly** and following the **correct case**. Data containing values other than the following will **not** be accepted:
    - 16.5 ft.
    - 50 ft.
    - 16.5 ft. and 50 ft.

The following fields **must** follow the [parcel data standard for Minnesota](#):

1.1 County PIN

Database Name	COUNTY_PIN		
Data Type	Text	Inclusion	Conditional
Width	22	Domain	
Examples	29-0-0559-2 (example from Aitkin County) 12-029-24-32-0243 (example from Hennepin County)		
Description	The unique parcel identifier (PID) or parcel identification number (PIN) that is use within the county This field must be populated unless the polygon does not have a PIN assigned by the county. In this case, the Non-Standard Parcel Status field (N_STANDARD) must be populated.		

1.2 State PIN

Database Name	STATE_PIN		
Data Type	Text	Inclusion	Conditional
Width	28	Domain	
Examples	27001-29-0-0559-2 (example from Aitkin County) 27053-12-029-24-32-0243 (example from Hennepin County)		
Description	A concatenation of CO_CODE, a dash, and COUNTY_PIN. This creates a parcel identifier that is unique within the state and nationally for each parcel. This field must be populated unless the polygon does not have a PIN assigned by the county. In this case, the Non-Standard Parcel Status field (N_STANDARD) must be populated.		

3.4 County Code

Database Name	CO_CODE		
Data Type	Text	Inclusion	Mandatory
Width	5	Domain	CountyCode
Examples	27001 (Aitkin County), 27003 (Anoka County)		
Description	The combination of the two-character state numeric code and the three-character county code in which the parcel resides. Note: Both state and county codes are national and state approved standards. [Minnesota County ID Standard](#). [Minnesota State ID Standard](#).		

3.5 County Name

Database Name	CO_NAME		
Data Type	Text	Inclusion	Mandatory
Width	40	Domain	CountyName
Examples	Roseau, Winona		
Description	The name of the county in which the parcel is physically located		

5.3 Watershed District

Database Name	WSHD_DST		
Data Type	Text	Inclusion	Optional
Width	50	Domain	WatershedDistrict
Examples	Turtle Creek WSD, Upper Rum River WMO		
Description	The name of the watershed district or water management organization in which the parcel resides.		