

Spatial Data Check V7 Message Definitions:

Key:

Message: The literal text of the message that is displayed on the screen or in the report.

Type: Tool Message - The message is printed on the screen as the tool is running and expresses a message about the auto check process.

Summary Report - The message is printed to the summary document.

Error Report - The message is printed to the error report.

Cause: The conditions that trigger the message and any other relevant notes.

Line #: Where in the code the message occurs.

** Any value inside {} is automatically supplied by the script.

Message: "Invalid permit number format, please check the permit number and try again."

Type: Error Report

Cause: The user specified permit number does not conform to the proper format for a permit number.

Message: "{Insert Name of File}.shp does not contain any records."

Type: Tool - Error Report

Cause: The input file does not contain any records.

Message: ""The Project Area file has a {Insert Geometry Type} geometry."

Type: Error Report

Cause: The input is not a polygon.

Message: "The Project Area file is not in the correct coordinate system."

Type: Error Report

Cause: The Project Area file is not in the NAD_1983_10TM_AEP_Forest coordinate system.

Message: "The {Insert Field Name} field is not the correct type it is a {Insert Field Type} field"

Type: Error Report

Cause: Triggered when a correctly named field is not the correct type of field.

Message: "The following extra field(s) are present: {Insert Field Names}."

Type: Error Report

Cause: Triggered when a field is present in a file which is incorrectly named or not one of the required fields.

Message: "The following required field(s) are not present: {Insert Name of Missing Fields}"

Type: Error Report

Cause: Triggered when a mandatory field has not been included in the Subsurface Inspection file.

Message: "An incorrect Bndy_Type value ({Insert Bndy_Type value}) has been assigned to FID: {Insert FID Number}"

Type: Error Report

Cause: Triggered when the value in the Bndy_Type does not equal "Development Footprint", or "Ground Survey".

Message: "The Subtype value could not be checked for FID: {}, please enter a correct Bndy_Type value and try again."

Type: Error Report

Cause: Triggered when the value in the Bndy_Type does not equal "Development Footprint", or "Ground Survey".

Message: " "An incorrect Subtype value has been assigned to FID: {Insert FID Number}."

Type: Error Report

Cause: An incorrect subtype value has been entered for the given Bndy_Type of a record.

Message: "The Development Footprint polygon is missing or misnamed."

Type: Error Report

Cause: The Development Footprint polygon has not been provided.

Message: "An incorrect Bndy_Type value has been entered for FID: {Insert FID Number}."

Type: Error Report

Cause: A Bndy_Type value which does not match "Development Footprint", or "Ground Survey" has been entered.

Message: " A Development Footprint was submitted for this Research/Baseline project, please see FID: {Insert FID Number}."

Type: Error Report

Cause: For a Research/Baseline project a development footprint was included in the submission.

Message: "The Bndy_Type and Subtype fields could not be checked because one or both are missing."

Type: Error Report

Cause: Either the Bndy_Type or Subtype field is missing, meaning that neither of these fields can be checked because there is nothing to check.

Message: "The Feature file has a {Insert Geometry Type} geometry."

Type: Error Report

Cause: Triggered if the Feature file is not a point file.

Message: "The Feature file is not in the correct coordinate system."

Type: Error Report

Cause: Triggered when the Feature file is not in the NAD_1983_10TM_AEP_Forest coordinate system.

Message: "The {Insert Name of Field} field is not the correct type it is a {Insert Field Type} field".

Type: Error Report

Cause: A correctly named field is not of the correct field type.

Message: "The Subsurface Inspection file is not a Point type geometry file."

Type: Error Report

Cause: Triggered when the Subsurface Inspection is not a point file.

Message: "The Subsurface Inspection file is in not in the NAD_1983_10TM_AEP_Forest coordinate system.

Type: Error Report

Cause: Triggered when the Subsurface Inspection file is not in the 10TM_AEP_Forest coordinate system.

Message: "{Insert Field Name} is not the correct type it is a {Insert Field Type} field."

Type: Error Report

Cause: Triggered when a field is correctly named but not in the correct field type.

Message: "The permit number for FID:{Insert FID Number} does not match the user entered permit number."

Type: Error Report

Cause: The permit number reported within the dataset does not match the permit number that was specified by the user in the data checker interface.

Message: " The permit number is {Insert Number of Digits} digits for FID: {Insert FID Number}."

Type: Error Report

Cause: The permit number recorded in the Subsurface Inspection file is not six characters long.

Message: "The permit number is incorrectly formatted and does not have a dash as its third character for FID: {Insert FID Number}."

Type: Error Report

Cause: Triggered when a permit number does not have a "-" as its third character.

Message: "The permit number is not solely composed of integers for FID: {Insert FID Number}."

Type: Error Report

Cause: The first two characters of the permit number are not digits or the last three characters are not digits.

Message: "The Permit field could not be checked because it is missing."

Type: Error Report

Cause: The Permit field is missing from the file.

Message: "The Permit field could not be checked because it is not a Text field."

Type: Error Report

Cause: The Permit field is present but is not a Text type field

Message: "The SF_Name field value is blank for FID: {Insert FID Number}."

Type: Error Report

Cause: The SF_Name field is empty for a given record.

Message: "The SF_Name field value is NOT unique for FID: {Insert FID Number}."

Type: Error Report

Cause: The SF_Name for a record is not unique in comparison to those that come before it within the dataset.

Message: "The SF_Name field value for FID: {Insert FID #} is too long."

Type: Error Report

Cause: The value in the SF_name field exceeds 15 characters.

Message: "The SF_Name field is not present and could not be checked."

Type: Error Report

Cause: The SF_Name field is not present in the Feature dataset.

Message: "The SF_Name field is not a Text field and could not be checked."

Type: Error Report

Cause: The SF_Name field is correctly named but is not a text field.

Message: "The Max_wid value exceeds the maximum allowable value for FID: {Insert FID #} "

Type: Error Report

Cause: The Max_wid value is larger than the maximum allowable value.

Message: "The Max_wid value is less than the minimum allowable value for FID: {Insert FID #} "

Type: Error Report

Cause: The Max_wid value is smaller than the minimum allowable value.

Message: "The Max_wid field is empty for FID: {Insert FID #}"

Type: Error Report

Cause: No Max_wid value has been supplied.

Message: "The Max_wid value is not a digit for FID: {Insert FID #}"

Type: Error Report

Cause: No Max_wid value is not composed of digits

Message: "The Max_len value exceeds the maximum allowable value for FID: {Insert FID #}"

Type: Error Report

Cause: The Max_len value is larger than the maximum allowable value.

Message: "The Max_len value is less than the minimum allowable value for FID: {Insert FID #}"

Type: Error Report

Cause: The Max_len value is smaller than the minimum allowable value.

Message: "The Max_len field is empty for FID: {Insert FID #}"

Type: Error Report

Cause: No Max_len value has been supplied for a record in the Feature dataset.

Message: "The Max_len value is not a digit for FID: {Insert FID #}"

Type: Error Report

Cause: The Max_len value for a record in the Feature dataset is not composed of digits.

Message: "The Subtype value does not match the Type value for FID: {Insert FID #}"

Type: Error Report

Cause: The Subtype field value does not correspond to the Type value that has been entered for a record in the Feature file.

Message: "The Max_wid field could not be checked because it is missing"

Type: Error Report

Cause: The Max_wid field is missing from the Feature dataset

Message: "The Max_len field could not be checked because it is missing"

Type: Error Report

Cause: The Max_len field is missing from the Feature dataset

Message: "The Subtype field is empty for FID: {Insert FID #}"

Type: Error Report

Cause: The Subtype could not be checked because the field is not present in the Feature file.

Message: "The Subtype value is not numeric for FID: {Insert FID #}"

Type: Error Report

Cause: The Subtype could not be checked because the value is not composed of digits.

Message: "The Subtype, Max_wid, and Max_Len fields could not be checked because the Subtype field is missing."

Type: Error Report

Cause: The Subtype field is not present.

Message: "The Type field is empty for FID: {Insert FID #}"

Type: Error Report

Cause: The Type field does not contain a value.

Message: "The Type value {Insert Type} is incorrect for FID:{Insert FID #}"

Type: Error Report

Cause: The Type field does not contain a legitimate value.

Message: "The Depth field value exceeds {Insert User Specified Depth}m for FID: {Insert FID #}"

Type: Error Report

Cause: The feature Depth value is greater than the user specified maximum allowable depth.

Message: "The Depth field value is a negative value for FID: {Insert FID #}"

Type: Error Report

Cause: The feature Depth value is a negative value.

Message: "The Depth field value is not composed of digits for FID: {Insert FID #}"

Type: Error Report

Cause: The Depth value is not a number.

Message: "The Depth field is not a Double field and could not be checked."

Type: Error Report

Cause: The Depth value is not a Double type field.

Message: "The Depth field is not present and could not be checked."

Type: Error Report

Cause: The Depth field is not present in the Feature file.

Message: "Could not check that all Features file fall within the Ground Survey polygon because the Bndy_Type field is incorrectly populated."

Type: Summary Report

Cause: Triggered when a Ground Survey polygon has not been supplied as part of the Project Area file.

Message: "Could not check that all Features fall within the Ground Survey polygon because the Bndy_Type field is missing."

Type: Summary Report

Cause: Triggered when a Ground Survey polygon has been supplied but the Bndy_Type field is not present.

Message: "The SI_Name field value is blank for FID: {Insert FID Number}."

Type: Error Report

Cause: The SI_Name field is empty for a given record.

Message: "The SI_Name field value is NOT unique for FID: {Insert FID Number}."

Type: Error Report

Cause: The SI_Name for a record is NOT unique in comparison to those that come before it within the dataset.

Message: "The SI_Name field is not present and could not be checked."

Type: Error Report

Cause: The SI_Name field is not present in the Subsurface Inspection dataset.

Message: "The SI_Name field is not a Text field and could not be checked."

Type: Error Report

Cause: The SI_Name field is present in the Subsurface Inspection dataset but is not a Text field.

Message: "The SI_Name field value for FID: {Insert FID Number} is to long"

Type: Error Report

Cause: Triggered when a SI_Name value has more than 15 characters.

Message: "The Subtype field value is incorrect for FID: {Insert FID Number}."

Type: Error Report

Cause: Triggered when the Subtype value does not match the given type field value.

Message: "The Result field is empty or incorrectly filled out for FID: {Insert FID Number}."

Type: Error Report

Cause: The value in the Result field does not equal either "Positive" or "Negative".

Message: "The Borden_No field is empty for FID: {Insert FID Number}."

Type: Error Report

Cause: The Borden field is empty when it should be populated with a value because the Result field has a Positive value.

Message: "Given the Result field value of {Insert Results Field Value} the Num_Arts value of {Insert Num_Arts Field Value} for FID: {Insert FID Number} is incorrect."

Type: Error Report

Cause: Triggers when the number of artifacts and results field values are in conflict.

Message: "The sq_m field is incorrectly populated with a value of {Insert sq_m Field Value} for FID {Insert FID Number}"

Type: Error Report

Cause: The value in the sq_m field is incorrect in relationship to the value in the Type field.

Message: "The value in the Depth field ({Insert Depth Field Value}) is incorrect for FID: {Insert FID Value}."

Type: Error Report

Cause: The value in the Depth field is incorrect in relationship to the value in the type field.

Message: "The Subtype field is not present and could not be checked."

Type: Error Logging

Cause: The subtype field is not present in the Subsurface Inspection File.

Message: "At least one of the following fields is missing: Result, Num_Arts, and Borden_No. As such the Results field could not be checked."

Type: Tool – Error & Error Report

Cause: Any one of or some combination of the Result, Num_Arts, and Borden_No fields are not present in the Subsurface Inspection file.

Message: "The Result field could not be checked because the Num_Arts field is not the correct type."

Type: Error Logging

Cause: The Num_Arts field is not a Double type field.

Message: "At least one of the following fields is missing: Result, Num_Arts, and Borden_No. As such the Result field could not be checked."

Type: Error Report

Cause: Any one of or some combination of the Result, Num_Arts, and Borden_No fields are not present in the Subsurface Inspection file.

Message: "At least one of the following fields is missing: sq_m and Depth. As such the sq_m and Depth fields could not be checked."

Type: Error Report

Cause: Any one of or some combination of the sq_m and Depth fields are not present in the Subsurface Inspection file.

Message: "The Type field value for FID: {Insert FID Number} is incorrect. As such the sq_m, Depth, Result, Subtype, and Num_Arts fields could not be checked."

Type: Error Report

Cause: Triggers when the Type field value does not match one of the expected values.

Message: "The Type field is not present and as such the Type, sq_m, Depth, Result, Subtype, and Num_Arts fields could not be checked."

Type: Error Report

Cause: Triggered when the Type field is not present in the Subsurface Inspection file.

Message: "The Borden Number prefix is incorrect for FID: {Insert FID Number}."

Type: Error Report

Cause: Triggered when the first four characters of a value in the Borden_No field are not letters.

Message: "The - is either missing or in the wrong position for the Borden_No entry for FID: {Insert FID Number}."

Type: Error Report

Cause: The dash in a Borden number is either missing or not in the correct place.

Message: "The Borden Number suffix is incorrect for FID: {Insert FID Number}."

Type: Error Report

Cause: Triggered when the last two character of a Borden number are not digits.

Message: "Values in Borden_No could not be checked because this field is missing."

Type: Error Report

Cause: Triggered when the Borden_No field is not present in the Subsurface Inspection file.

Message: "Values in Borden_No could not be checked because this field is missing."

Type: Error Report

Cause: Triggered when the Borden_No field is not present in the Subsurface Inspection file.

Message: "Borden Numbers: {Insert Borden Numbers}"

Type: Summary Report

Cause: Triggered when Borden Numbers are present in a submission.

Message: "There are no Borden Numbers in this submission."

Type: Summary Report

Cause: No Borden Numbers were reported in a submission.

Message: "Project Summary"

Type: Summary Report

Cause: Printed as the first line in the Summary Report.

Message: "Shovel Test: {Insert Number of Shovel Test }"

Type: Summary Report

Cause: Reports the number of Shovel Tests recorded in the Subsurface Inspection file.

Message: "Exposure: {Insert Number of Exposures Records}"

Type: Summary Report

Cause: Reports the number of Exposure values recorded in the Subsurface Inspection file.

Message: "Backhoe: {Insert Number of Backhoe Records}"

Type: Summary Report

Cause: Reports the number of Backhoe values recorded in the Subsurface Inspection file.

Message: "Block Centroid: {Insert Number of Backhoe Records}"

Type: Summary Report

Cause: Reports the number of Block Centroid values recorded in the Subsurface Inspection file.

Message: "Monitoring: {Insert Number of Monitoring Records}""

Type: Summary Report

Cause: Reports the number of Monitoring values recorded in the Subsurface Inspection file.

Message: "Subsurface Type Field Count for Borden {Insert Borden Number}:"

Type: Summary Report

Cause: Reports the count of subsurface inspection by Type value when Borden Numbers are present.

Message: "Type Field Count for Subsurface Inspections without Borden Numbers:"

Type: Summary Report

Cause: Reports the count of subsurface inspection by Type value.

Message: "The following are unexpected Type field values: {Insert Field Names}"

Type: Summary Report

Cause: Triggered when there are unexpected fields in the Subsurface Inspection dataset.

Message: "The Type field could not be summarized because it is missing from the Subsurface Inspection dataset."

Type: Summary Report

Cause: Triggered when the Type field is absent from the Subsurface Inspection dataset.

Message: "The Borden_No field could not be summarized because it is missing from the Subsurface Inspection dataset."

Type: Summary Report

Cause: Triggered when the Borden_No field is absent from the Subsurface Inspection dataset.

Message: "Values in the Depth field could not be checked because this field is missing."

Type: Error Report

Cause: Triggered when the Depth field is not present in the Subsurface Inspection file.

Message: "Type Field Count:"

Type: Summary Report

Cause: Section header in the summary report under which the count of different type field values are reported.

Message: "Sum of Num_Arts for {Insert Borden Number}:"

Type: Summary Report

Cause: Header in the Summary Reports. This line is followed by a count of artifacts broken down by Borden Number.

Message: " Sum of Num_Arts for Subsurface Records without a Borden Number:"

Type: Summary Report

Cause: Triggered for situations where some but not all records with Artifacts counts have Borden Numbers. This line is followed by the count of artifacts.

Message: "Num_Arts could not be summarized by Borden Number because this information is not present."

Type: Summary Report

Cause: Triggered when the Borden_No field is not present but the Num_Arts field is in the process that summarizes the count of artifacts.

Message: " Sum of Num_Arts:"

Type: Summary Report

Cause: Triggered when the Borden_No field is not present but the Num_Arts field is. This line is followed by the count of artifacts.

Message: "The Num_Arts field count not be summarized because the Borden_No field is not a Text field or the Num_Arts field is not an Integer field."

Type: Summary Report

Cause: Triggered when either the Num_Arts or Borden_No fields are not in the correct format.

Message: "The Num_Arts field could not be summarized because it or the Borden_No field is missing from the Subsurface dataset."

Type: Summary Report

Cause: Triggered when the Num_Arts and Borden_No fields are not present.

Message: "FID {Insert FID #} is outside the Ground Survey polygon."

Type: Error Report

Cause: Triggered when a feature falls outside the ground survey polygon.

Message: "Could not check that all features in the Subsurface Inspection file fall within the Ground Survey polygon because the Bndy_Type field is incorrectly populated."

Type: Summary Report

Cause: Triggered when the Bndy_Type field does not contain a legitimate value.

Message: "Could not check that all features in the Subsurface Inspection file fall within the Ground Survey polygon because the Bndy_Type field is missing."

Type: Summary Report

Cause: Triggered when the Bndy_Type field is not present in the Subsurface Inspection file.

Message: "FID {Insert FID #} does not have a Borden Number."

Type: Error Report

Cause: Triggered when checking Borden numbers against existing sites and the Borden_No field is empty.

Message: "FID {Insert FID #} is not inside a pre-existing site polygon and has been assigned a Borden Number."

Type: Error Report

Cause: Triggered when a record is not inside a site polygon but has been assigned a Borden Number.

Message: "Checking if subsurface points are within site polygons was not possible because Borden_No field is not a Text field."

Type: Error Report

Cause: Triggered when checking if submissions with Borden Numbers are in site polygons and the Borden_No field is not a Text field.

Message: "Checking if subsurface points are within site polygons was not possible due to the absence of the Borden_No field."

Type: Error Report

Cause: Triggered when checking if submissions with Borden Numbers are in site polygons and the Borden_No field is not present.

Message: "Feature Type Count:"

Type: Summary Report

Cause: Reports the count of each type of feature present in the Feature file. The initial text is followed by the Type value and the count.

Message: "Could not summarize features because the Type field is missing."

Type: Summary Report

Cause: Triggered when the Type field is not present in the

Message: "Location of " + {Insert Type Value} + " Feature(s):"

"FID", "Meridan", "Range", "Township", "Section", "Legal Sub-Division"

Type: Summary Report

Cause: Header information followed by a list of FIDs and location of different Type features.

Message: "Sites Overlapping " + {Insert Type Value} + " Feature(s):"

"Feature FID: {}"

Type: Summary Report

Cause: Header followed by a list of Borden Numbers which intersect a feature.

Message: "LSDs Overlapping the {Insert Bndy_Type Value} FID {Insert FID Number}: "

Type: Summary Report

Cause: Section header in the Summary Report.

Message: "Meridian", "Range", "Township", "Section", "Legal Subdivision"

Type: Summary Report

Cause: Column titles in the Summary Report when recording which LSD overlap a Ground Survey polygon. Used when the submission is for small area as designated by the tool user. This line is followed by a list of all LSDs which intersect the site.

Message: "Township", "Section"

Type: Summary Report

Cause: Column titles in the Summary Report when recording which LSD overlap a Ground Survey polygon. Used when the submission is for a large area as designated by the tool user. This line is followed by a list of all LSDs which intersect the site.

Message: "Development Footprint intersecting LSDs could not be determined. Please make sure the Development Footprint is correctly entered."

Type: Summary Report

Cause: Triggered in the process which summarizes LSD intersecting a site when a Development Footprint is missing.

Message: "Sites overlapping the {Insert Bndy_Type Value} FID {Insert FID Number}:"

Type: Summary Report

Cause: Section header in the Summary Report. This line is followed by a list of site numbers.

Message: "Overlapping sites and LSDs could not be checked because the Bndy_Type field is incorrectly populated."

Type: Summary Report

Cause: Triggered when the Bndy_Type field is present but contains an invalid value.

Message: "Overlapping sites and LSDs could not be checked due to missing Bndy_Type field."

Type: Summary Report

Cause: Triggered when identifying LSD that intersect a site and the Bndy_Type field is not present.

Message: "No Errors Identified - Error Report Not Created."

Type: Tool Message

Cause: Triggers when no errors are identified in a dataset and an error report will not be generated.

Message: "Script Completed."

Type: Tool Message

Cause: Triggered by the successful completion of the script.