# PRESENCE LEARNING NETWORK

**GEOGRAPHICAL INFORMATION SYSTEM**

**GIS METADATA REPORT**

**FILE NAME:** **alluvial\_fans\_baviaanskloof\_TM**

**Author: Kerry Bobbins**

**Copyright Holder:** Author and Living Lands **Data Copyright?** YES/NO

**Data Origin:** Grahamstown, South Africa

**Capture Source:** SPOT Imagery 2008, Farm cadastral data sourced from PRESENCE

**Scale Digitized at:** 90m **File date:** 10.05.2011 **To be distributed?** YES/NO

**How to refer to this data:** Author, year – name of file/article if published. Data/publication of the PRESENCE Learning Network.

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\*issue with Living Lands – contact details provided below

**PROJECTION:** **DATUM:**

**Projection Name:** Geographic - WGS84 **Name:** WGS84

**Projection Type:** **SemiMajorAxis:** 0

**Central Meridian:** 27 **SemiMinorAxis:** 0

**Upper Parallel:** 0 **InverseFlattening:** 0

**Lower Parallel:** 0

**DETAILED NOTES:**

**DESCRIPTION: (description of the content of the data; what does it represent)**

**Polygons represent the alluvial fans identified in the section between the Western ECPB border until Nuwe Kloof**

**PURPOSE: (purpose for which the data was created)**

**To create a spatial restoration plan for alluvial fans in the Western Baviaanskloof**

**LIMITATIONS: (e.g. use constraints, copyrights, sensitivity of data)**

**SPOT 2008 imagery should not be distributed with alluvial fan shapefile. Consent for farm cadastral data should be requested from PRESENCE as this data was used in the Farm\_name field of the attribute table and was not created by Kerry Bobbins.**

**KEYWORD:**

**Alluvial fans**

**TIME & STATUS:**

**Beginning Date:** *February - 2010*

**Ending Date:** *June - 2011*

**Progress:** *completed*

**CONTACT DETAILS:**

**Contact author: Kerry Bobbins**

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**Contact Organization: Living Lands**

**Contact Person:** Silvia Weel – Living Lands´ spatial analyst

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**State/Province:** Eastern Cape

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**Country:** South Africa

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**SPATIAL INFORMATION:**

**FOR VECTOR LAYER:** **FOR RASTER LAYER:**

**Scale of Original:** Digitized on using SPOT 2008 imagery at resolution 90m **Number of Columns:**

**Feature Type:** Polygons **Number of Rows:**

**Attributes:** **Pixel Resolution:**

**Data Type:**

**ATTRIBUTE FIELDS:**

**Field** **Description** **Alias**

*ID Unique polygon identifier*

|  |  |  |
| --- | --- | --- |
| *X\_coord* | *X coordinate* | *See ID* |
| *Y\_coord* | *Y coordinate* | *See ID* |
| *Perimeter\_km* | *Perimeter of basin in km* | *See ID* |
| *Area\_km2* | *Area of basin in km2* | *See ID* |
| *Cultivated* | *This term was used to describe fans that are cultivated and show recent evidence of crop*  *cultivation. Cultivation scars were included if they were observed to be recent scars. Recent cultivation*  *will affect the way is which fans function over time and will influence fan restoration status. This data*  *has been collected using SPOT 2008 imagery and often supported by fieldtrip notes. The letter ‘Y’*  *describes fans that are cultivated and the letter ‘N’ describes fans that have no evidence of cultivation.* | *See ID* |
| *Buildings* | *This term describes fans that are observed to have buildings e.g. farm houses, outhouses,*  *churches or sheds. This data has been collected using SPOT 2008 imagery and often supported by*  *fieldtrip notes. The letter ‘Y’ describes fans have buildings on the fan surface and the letter ‘N’*  *describes fans that have no evidence of buildings on the fan surface.* | *See ID* |
| *Farm\_name* |  | *See ID* |
| *Restor\_Ind* | *attribute table provides an index of fan*  *restoration and should be used in conjunction with the REST\_DESCR column in this table* | *See ID* |
| *Toe\_trimmd* | *This term describes fans that have had the distal regions (lower fan surface) removed*  *by the Baviaans River. This may be recent or a historic event. Data has been collected using SPOT 2008 imagery and supported by fieldtrip notes. An indication of fans that have had the distal regions of their surface removed is significant indicator of how fans function at present* | *See ID* |
| *Rest\_descr* | *explanation as to why fans should be restored or not based on their assigned index:*  ***Index Description***  *0 Fan does not require restoration*  *1 Fan requires restoration*  *2 Fan identified for further investigation*  *3 Fan to be restored*  ***List of abbreviations used in REST\_DESCR column:***  *AFR1: Describes the first alluvial fan restoration fieldtrip and first phase of alluvial fan restoration. First phase*  *took place in 2010.*  *AFR2: Describes the second phase of alluvial fan restoration and the second alluvial fan restoration fieldtrip.*  *These are alluvial fan restoration activities done in 2011. The fieldtrip took place in May 2011.* | *See ID* |