

README: Land for Life Spatial Data

1. Overview

This dataset consists of spatial features representing water points, fences, bomas, and agricultural areas. The data is broadly classified into two categories:

- **LandDX**: Collected from a previous project conducted in 2021. Contains data from 2016 to 2020.
- **L4L (Land for Life)**: The most recent dataset, covering 2021 to 2024.

The dataset spans the **Land for Life (L4L) Geoscope**, which includes transboundary areas between **Kenya and Tanzania**. It was created to analyze **landscape fragmentation** that might be affecting wildlife corridors.

2. Data Source & Collection

- The data was collected through **onscreen digitization** using Google satellite imagery.
- **LandDX data** covers the years **2016–2020**.
- **L4L data** covers the years **2021–2024**.

3. File Format & Structure

- The dataset is provided in **shapefile format** and also compiled into a **GeoPackage** for easier sharing.
- The files included are:
 - **Watersources_L4L.shp**
 - **Fences_L4L.shp**
 - **Bomas_L4L.shp**
 - **Agriculture_L4L.shp**
 - **LandDX_Agriculture.shp**
 - **LandDX_Waterpoints.shp**
 - **LandDX_Fences.shp**
 - **LandDX_Bomas.shp**
- **Projection**: WGS84 (EPSG:4326)

4. Attributes & Fields

The focus is on the **additional L4L data**, which includes the following attributes:

- **Watersources_L4L:** Type, Quality, Year, fid
- **Fences_L4L:** Type, Quality, Year, fid
- **Bomas_L4L:** Type, Quality, Year, fid
- **Agriculture_L4L:** Quality, Year, Area, fid

Attribute Descriptions:

- **Type:** Category of the feature (e.g., fence type, water source type).
- **Quality:** How confident the digitizer was about the feature (Not sure, Not sure at all, Very sure).
- **Year:** Year in which the feature was digitized.
- **fid:** Unique identifier for each feature.
- **Area** (for Agriculture_L4L only): Size of the agricultural area in Acres.

5. Usage & Licensing

- This dataset was created by **Sustain East Africa** for the **WWF Land for Life Project**.
- It remains the property of **WWF** and should be used **only for purposes aligned with conservation, research, and environmental management**.
- Users must seek permission from WWF for redistribution or modification.

6. Contact Information

For any questions regarding this dataset, please contact **Sustain East Africa** or the WWF Land for Life Project team.