

# Malawi 2017 Land Use and Land Cover

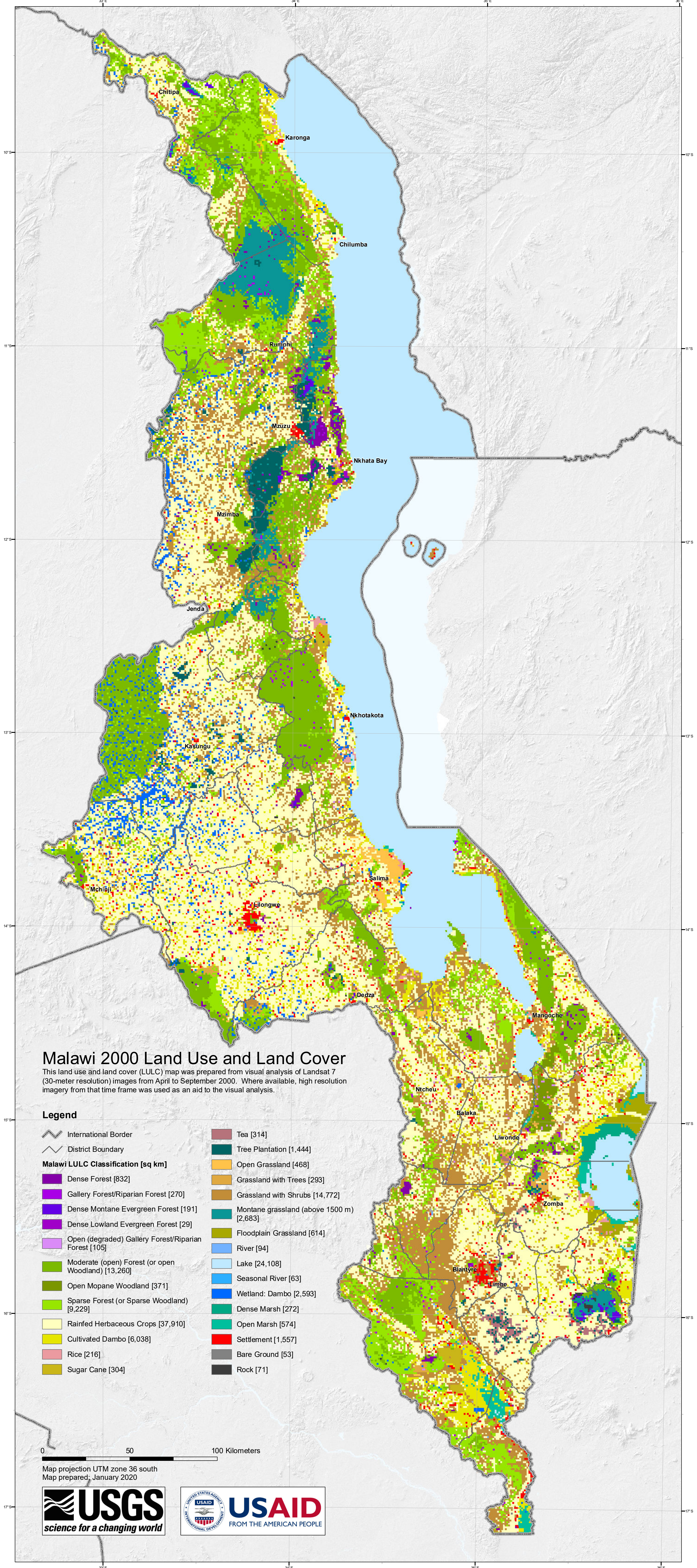
This 2017 land use and land cover (LULC) map was prepared from visual analysis of Sentinel-2 (10-meter resolution) and Landsat 8 (30-meter resolution) images from April to September 2017. The map is in a 1-km raster format. High resolution imagery was used systematically as an aid in the visual analysis. The map was field checked in September 2017, May 2018, October 2018, and November 2019.

## Legend

- International Border
- District Boundary
- Malawi LULC Classification [sq km]**
- Dense Forest [790]
- Gallery Forest/Riparian Forest [270]
- Dense Montane Evergreen Forest [190]
- Dense Lowland Evergreen Forest [28]
- Open (degraded) Gallery Forest/Riparian Forest [106]
- Moderate (open) Forest (or open Woodland) [12,944]
- Open Mopane Woodland [355]
- Sparse Forest (or Sparse Woodland) [8,347]
- Rainfed Herbaceous Crops [41,767]
- Cultivated Dambo [6,543]
- Rice [254]
- Sugar Cane [326]
- Tea [258]
- Tree Plantation [820]
- Open Grassland [373]
- Grassland with Trees [347]
- Grassland with Shrubs [12,358]
- Montane grassland (above 1500 m) [3,052]
- Floodplain Grassland [547]
- River [86]
- Lake [23,955]
- Seasonal River [66]
- Wetland: Dambo [2,191]
- Dense Marsh [380]
- Open Marsh [502]
- Settlement [1,759]
- Bare Ground [44]
- Rock [72]

0 50 100 Kilometers  
 Map projection UTM zone 36 south  
 Map prepared: January 2020





# Malawi 2000 Land Use and Land Cover

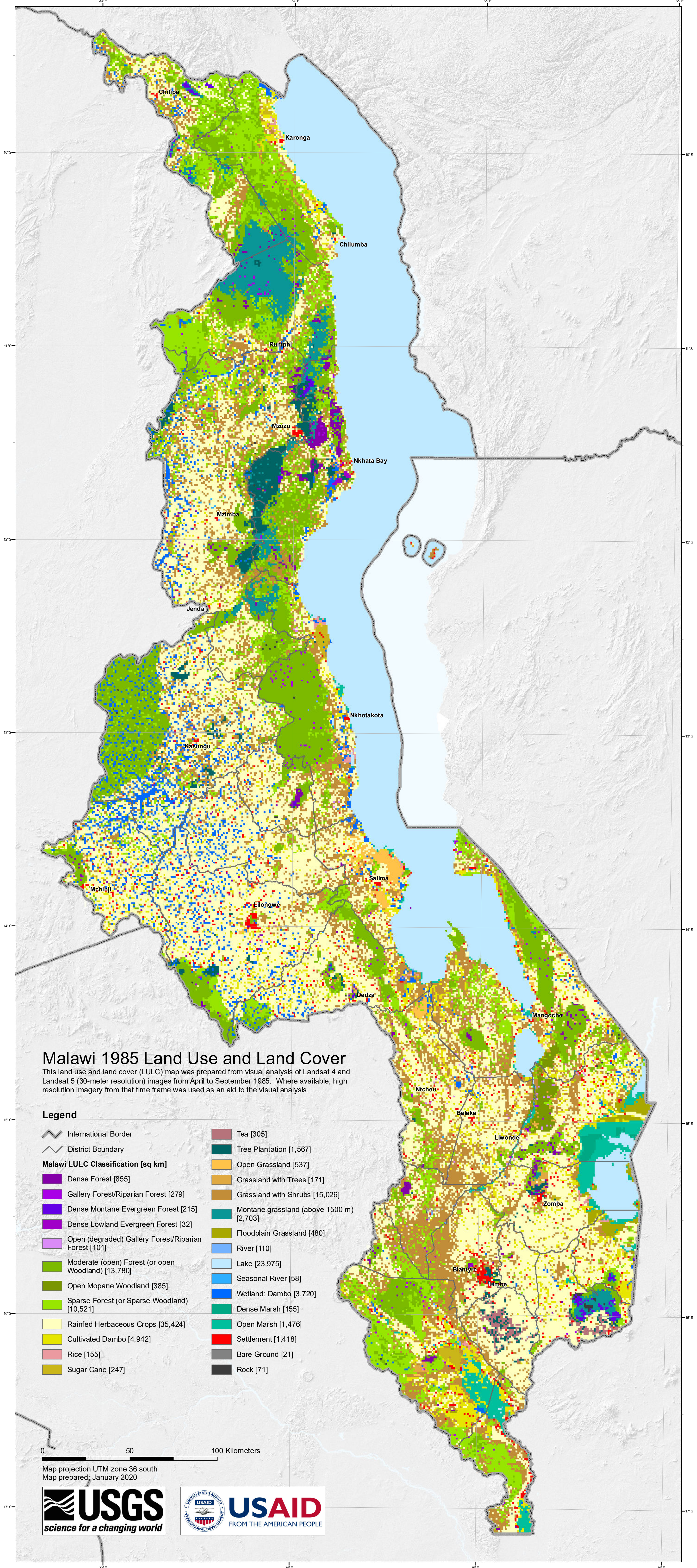
This land use and land cover (LULC) map was prepared from visual analysis of Landsat 7 (30-meter resolution) images from April to September 2000. Where available, high resolution imagery from that time frame was used as an aid to the visual analysis.

## Legend

- International Border
- District Boundary
- Malawi LULC Classification [sq km]**
- Dense Forest [832]
- Gallery Forest/Riparian Forest [270]
- Dense Montane Evergreen Forest [191]
- Dense Lowland Evergreen Forest [29]
- Open (degraded) Gallery Forest/Riparian Forest [105]
- Moderate (open) Forest (or open Woodland) [13,260]
- Open Mopane Woodland [371]
- Sparse Forest (or Sparse Woodland) [9,229]
- Rainfed Herbaceous Crops [37,910]
- Cultivated Dambo [6,038]
- Rice [216]
- Sugar Cane [304]
- Tea [314]
- Tree Plantation [1,444]
- Open Grassland [468]
- Grassland with Trees [293]
- Grassland with Shrubs [14,772]
- Montane grassland (above 1500 m) [2,683]
- Floodplain Grassland [614]
- River [94]
- Lake [24,108]
- Seasonal River [63]
- Wetland: Dambo [2,593]
- Dense Marsh [272]
- Open Marsh [574]
- Settlement [1,557]
- Bare Ground [53]
- Rock [71]

0 50 100 Kilometers  
 Map projection UTM zone 36 south  
 Map prepared: January 2020





## Malawi 1985 Land Use and Land Cover

This land use and land cover (LULC) map was prepared from visual analysis of Landsat 4 and Landsat 5 (30-meter resolution) images from April to September 1985. Where available, high resolution imagery from that time frame was used as an aid to the visual analysis.

### Legend

- |   |  |  |  |
|---|--|--|--|
|   | International Border                                 |  | Tea [305]                                |
|   | District Boundary                                    |  | Tree Plantation [1,567]                  |
| <b>Malawi LULC Classification [sq km]</b> |  |  |  |
|   | Dense Forest [855]                                   |  | Open Grassland [537]                     |
|   | Gallery Forest/Riparian Forest [279]                 |  | Grassland with Trees [171]               |
|   | Dense Montane Evergreen Forest [215]                 |  | Grassland with Shrubs [15,026]           |
|   | Dense Lowland Evergreen Forest [32]                  |  | Montane grassland (above 1500 m) [2,703] |
|   | Open (degraded) Gallery Forest/Riparian Forest [101] |  | Floodplain Grassland [480]               |
|   | Moderate (open) Forest (or open Woodland) [13,780]   |  | River [110]                              |
|   | Open Mopane Woodland [385]                           |  | Lake [23,975]                            |
|   | Sparse Forest (or Sparse Woodland) [10,521]          |  | Seasonal River [58]                      |
|   | Rainfed Herbaceous Crops [35,424]                    |  | Wetland: Dambo [3,720]                   |
|   | Cultivated Dambo [4,942]                             |  | Dense Marsh [155]                        |
|   | Rice [155]   |  | Open Marsh [1,476]                       |
|   | Sugar Cane [247]                                     |  | Settlement [1,418]                       |
|   |  |  | Bare Ground [21]                         |
|   |  |  | Rock [71]                                |

0 50 100 Kilometers  
 Map projection UTM zone 36 south  
 Map prepared: January 2020



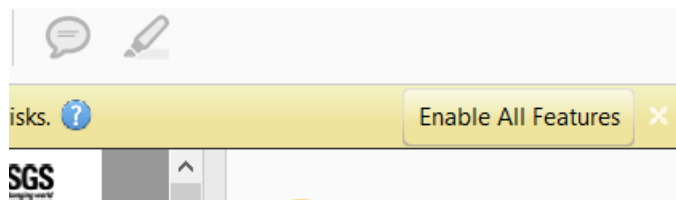
## Série de cartes PDF géoréférencées Geo-referenced PDF Map Series

Cette collection de cartes contient des informations de coordonnées géographiques intégrées dans les fichiers, ce qui permet à l'utilisateur d'interroger des coordonnées géographiques et de prendre des mesures de distance. Pour utiliser les outils de recherche et de mesure dans Adobe Reader, suivez ces instructions:

This collection of maps has geographic coordinate information embedded in the files which allows the user to query geographic coordinates and make distance measurements. To use query and measurement tools in Adobe Reader follow these instructions:

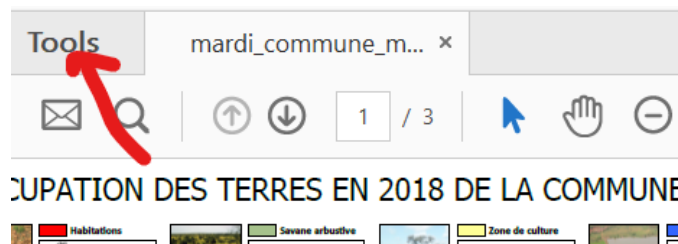
Pour voir les données de coordonnées et prendre des mesures, ouvrez le (s) PDF (s) « Enable All Features » (Activer toutes les fonctionnalités). (REMARQUE: cette étape peut ne pas être requise).

To see coordinate data and to take measurements, open the PDF(s), "Enable All Features" (NOTE: This step may not be required).



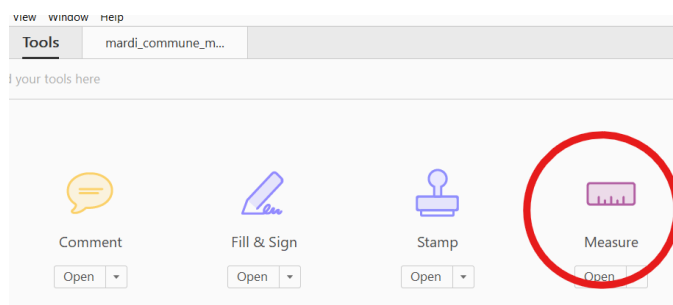
Ouvrez l'onglet « Tools » (Outils)

Open the "Tools" tab



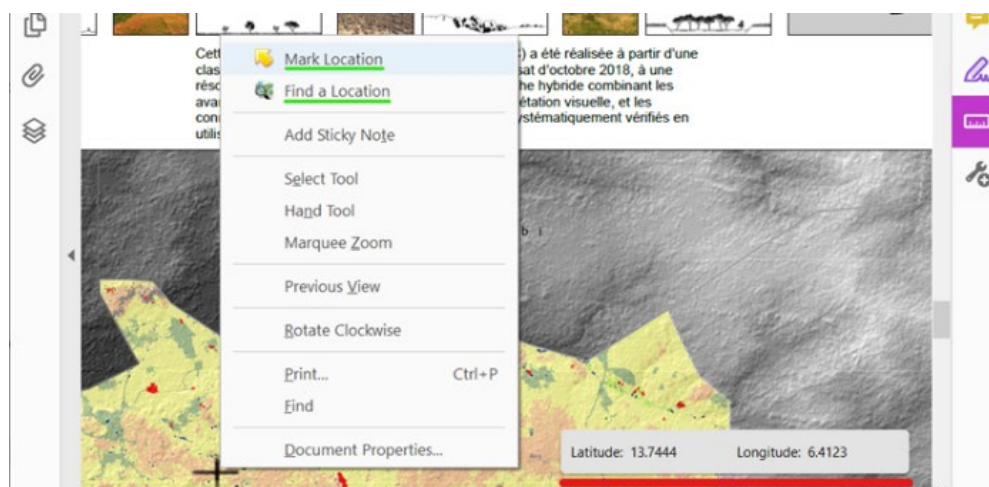
Cliquez sur « Measure » (l'outil de mesure)

Click on the “Measure” tool.



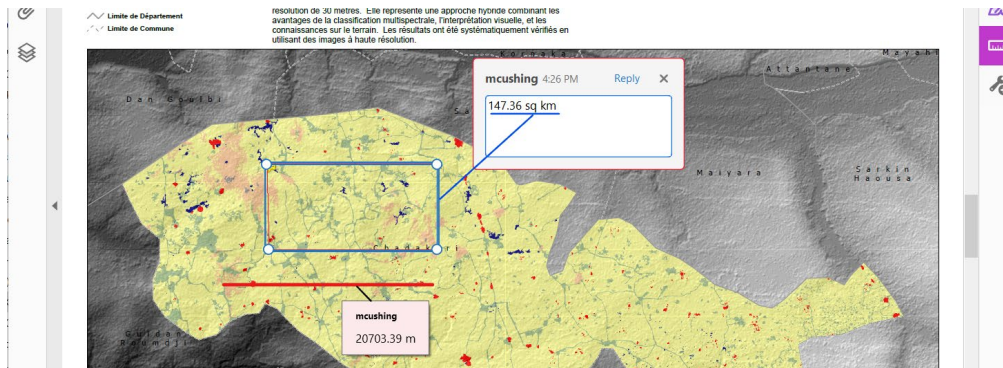
Cela devrait vous ramener à la page de la carte avec les outils de mesure affichés au-dessus de la carte. La sélection de « [Geospatial Location Tool](#) » (l'outil de localisation géospatiale) vous permet de cliquer sur un site sur la carte et d'obtenir ses coordonnées géographiques. Sélectionnez l'outil de mesure pour obtenir la distance et la surface. Vous pouvez également cliquer avec le bouton droit de la souris pour afficher un menu avec des options géographiques supplémentaires, telles que « Make Location » (Créer une position) et « Find a Location » (*Rechercher une position*). Pour obtenir de l'aide, [visitez la page d'aide Adobe Geospatial-PDF](#).

This should take you back to the Map page with the measurement tools displayed above the map. Selecting the "[Geospatial Location Tool](#)" allows you to click on a location on the map and get its geographic coordinates. Select the "Measuring Tool" to get distance and area. You can also Right-Click to display a menu with additional geographic options, like “Make Location” and “Find a Location”. For more help [visit Adobe’s Geospatial-PDFs help page](#).



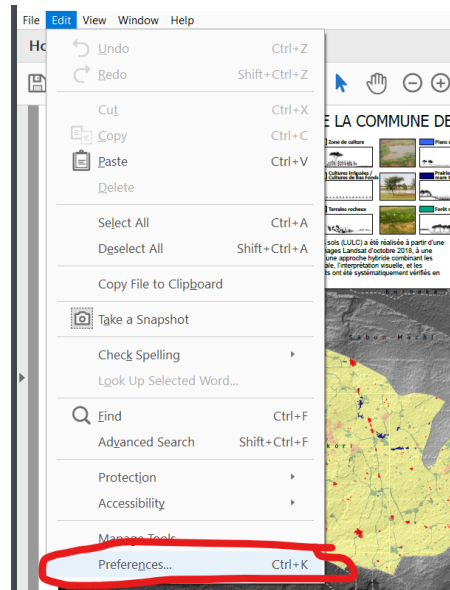
En plus des informations de position, il existe un « Measuring Tool » (outil de mesure) qui permet de collecter des mesures linéaires (distance / périmètre) et mesures de surface.

In addition to location information there is a “Measuring Tool” that allows one to collect both linear (distance/perimeter) and area measurements.



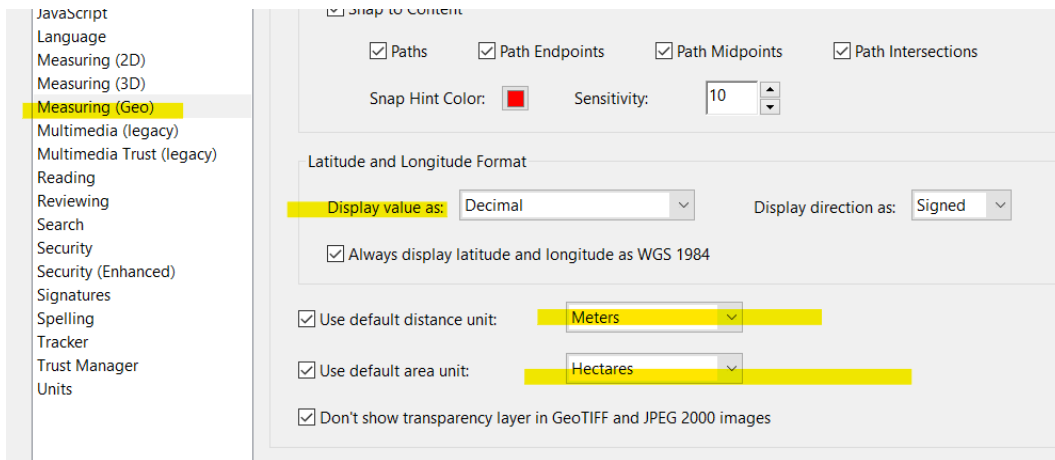
Remarque: si les unités ne vous conviennent pas, vous devez accéder au menu Edition> Préférences (Ctrl-K).

If the units aren't what you want, you need to go into the Edit>Preferences (Ctrl-K) menu.



Sélectionnez l'élément « Measuring (Geo) » et dans la moitié inférieure de la boîte de dialogue, sélectionnez votre type de valeur d'affichage (DD ou DMS) et vos unités de mesure (métrique / impériale).

Select the "Measuring (Geo)" item, and at lower half of the dialog select your display value type (DD or DMS) and units of measure (Metric/Imperial).



Cliquez sur "OK" et vous devriez revenir à la page de carte où vous pouvez continuer à rechercher des coordonnées et prendre des mesures.

Click "OK" and it should return you to the map page where you can continue to query coordinates and take measurements.