SAPAD – South Africa Protected Areas Database

Metadata Date Stamp: *27 March 2019*

DATASET DESCRIPTION

Dataset Title: *South Africa Protected Areas Database (SAPAD_OR_2019_Q1)*

Dataset Reference Date: *2019/03/20*

Data quality: *Good – some gaps may exist in the inventoried due to the availability of historical and provincial gazettes.*

Dataset Responsible Party: *Department of Environmental Affairs / Director Enterprise Geospatial Information Management*

Geographic Location of the Dataset: *RSA*
West: *16.452278*
East: *38.011607*
North: 22.329087
South: *46.980340*

Keywords: *Protected area boundaries, Environmental protection, Biodiversity, Protected areas, Conservation Estate*

Dataset Language: *English*

Dataset Character Set: *N/A*

Dataset Topic Category: *007 = Environment (ISO 19115 Topic category)*

Spatial Resolution of the Dataset: *1:5 000*

Data Release classification:

Release Classification	Description	Time frame	Example
OR	*Official release*	**Quarter 1** Data additions for the period *13 December 2018 - 20 March 2019*	*SAPAD_OR_2019_Q1*
		Quarter 2 Data additions for the period *21 March 2019 - 20 June 2019*	*SAPAD_OR_2019_Q2*
		Quarter 3 Data additions for the period *21 June 2019 - 19 September 2019*	*SAPAD_OR_2019_Q3*
		Quarter 4 Data additions for the period *20 September 2019 - 12 December 2019*	*SAPAD_OR_2019_Q4*
IR	*Incremental Release*	*Any release of data between OR periods. An additional version description is added to the title*	*SAPAD_ IR_2019_Q1_01*
SR	*Special Release*	*Any project specific or errata release.*	*SAPAD_SR_2019_Q1/01*

Citation Information:

Originator: *Department of Environmental Affairs*
Publication Date: *2019/04/11*
Title: *South Africa Protected Areas Database (SAPAD_OR_2019_Q1)*
Geospatial Data Presentation Form: *Vector digital data*
Other Citation Details: *The South Africa Protected Areas Database is provided for download as a zip file containing shape files for major types of protected areas. The zip file also includes a definitions document, Protected Areas Definition & SAPAD Data Release Schedule 2019-2020.*
Online Linkage: *http://egis.environment.gov.za*

Abstract:

The South African Protected Areas Database (SAPAD) contains spatial data for the conservation estate of South Africa. It includes spatial and attribute information for both formally protected areas and areas that have less formal protection. Data is collected by parcels which are aggregated to protected area level. Only outer boundaries are defined in this public release.

SAPAD is updated on a continuous basis. It forms the basis for the Register of Protected Areas which is a legislative requirement under the National Environmental Management: Protected Areas Act, Act 57 of 2003.

Purpose:

To produce and maintain a comprehensive spatial database on the conservation estate in South Africa. SAPAD is suitable for a wide range of planning, assessment, and analysis and display purposes. SAPAD should not be used for legal or other specific government actions. Read the SAPAD Data Disclaimer for more information.

Supplemental Information:

The SAPAD is a product that is extracted from a more comprehensive and detailed operational database. The operational database contains more detailed property level information on protected area management, ownership and governance.

Within the legislative requirements of the Spatial Data Infrastructure Act 54 of 2003, the SAPAD is made available in the public domain on a quarterly basis. SAPAD provides access to the authoritative database on protected and conserved areas in South Africa in a spatial format.

The database contains areas under formal legislative protection. The legal statuses of these areas are audited against official gazettes before inclusion into the database. The relevant Environmental conventions govern the inclusion of conservation areas into the database.

The descriptions given in the relevant Gazettes are used to capture the geometry of the protected and conserved area and to update the required attributes of the relational geo/database. The geometry of the protected and conserved areas are captured and maintained based on the register of the surveyed property boundaries in the country, as captured by the Surveyor General's Offices. The latest available version of the integrated national dataset as compiled by AfriGis is used for this purpose. In preparation of the data release the farm portions are dissolved and the outlines of the protected and conserved areas are provided in the data package.

Lineage Statement:

This SAPAD Geodatabase is a product that is extracted from the Protected and Conserved Areas (PACA) geodatabase. The PACA SQL geodatabase is updated and maintained on a daily basis. SAPAD extractions are done in the last week of each quarter.

Attribute Description:

Field name	Alias Name	Data Type	Description	Example
WDPAID	*WDPAID*	*Integer*	*This field contains a unique identification number assigned by UNEP –WCMA.*	*17368*
CUR_NME	*OFFICIAL/CURRENT NAME*	*String*	*The is the current full legal name of the PA or CA.*	*West Coast National Park*
WMCM_TYPE	*WMCM CATEGORY TYPE*	*String*	*Differentiate if the site is a national or international protected area.*	*National*
MAJ_TYPE	*MAJOR CATEGORY TYPE*	*String*	*Major Category type namely Protected Areas (PA) or Conservation Area (CA).*	*PA*
SITE_TYPE	*SITE CATEGORY TYPE*	*String*	*Describes the type of protected area that a given area is designated as by the enabling legislation or convention.*	*National Park*
D_DCLAR	*1ST DATE OF DECLARATION*	*Date*	*The date that the area was first legally established as a PA or CA.*	*1985/08/30*
LEGAL_STATUS	*LEGAL_STATUS*	*String*	*Indicates the current legal state of protection under law.*	*Designated*
GIS_AREA	*GIS AREA*	*Double*	*The total marine and terrestrial protected area, in ha as calculated from the spatial data.*	*36566.263 (ha)*

Attribute Code Description:

> *The code /999 is used indicate when an attribute is under investigation or if it is in the process of being updated.*
> *The code /111 is used to indicate that the required information is not available.*

The following designated types are provided in this release of SAPAD GDB data package:

Designation Type	Number of features	Relevant Legislation / Convention	Major Type
Forest Nature Reserve	*53*	*National Forests Act. 1998 (Act No. 84 of 1998)*	*Protected Area / PA*
Forest Wilderness area	*12*	*National Forests Act. 1998 (Act No. 84 of 1998)*	*Protected Area / PA*
Marine Protected area	*25*	*Marine Living Resources Ac, (Act No. 18 of 1998)*	*Protected Area / PA*
Mountain Catchment	*16*	*Mountain Catchment Area Act, (Act No. 63 of 1970)*	*Protected Area / PA*
National Park	*21*	*National Environmental Management: Protected Areas Act, (Act No. 57 of 2003)*	*Protected Area / PA*
Nature Reserve	*1403*	*National Environmental Management: Protected Areas Act, (Act No. 57 of 2003)*	*Protected Area / PA*
Protected Environment	*31*	*National Environmental Management: Protected Areas Act, (Act No. 57 of 2003)*	*Protected Area / PA*
Special Nature Reserve	*2*	*National Environmental Management: Protected Areas Act, (Act No. 57 of 2003)*	*Protected Area / PA*
World Heritage Site	*7*	*World Heritage Convention Act , (Act No. 49 of 1999)*	*Protected Area / PA*

	(Consisting of 21 sections)		

SUPPLEMENTARY INFORMATION

The Supplementary information is available from www.egis.environment.gov.za.

- *SAPAD Data Release Schedule 2019/2020*
- *National Environmental Management: Protected Areas Act, 2003 and National Environmental Management: Protected Areas Amended Act (Act No 31 Of 2004) / Guidelines For The Declaration Of Protected Areas*

DATA MAINTENANCE

Dataset last updated: *2019/03/20*

Time Period of Content:
> *(The period for which gazette were inclusion):*
> *Beginning date: 1903/10/27*
> *Ending date: 2019/02/22*

Progress: *In Progress – continues data maintenance plan*

Maintenance and update frequency:
The database is continuously being updated. Annexure A: Quarter 1 Update / provides a list of new or amendments for the period 13 December 2018 – 20 March 2019 per site category type. This version has updated Nature Reserves, Protected Environment. It also excludes certain categories of Stewardship Sites. These sites will be systematically added to the database in subsequent releases.

DISTRIBUTION AND CONSTRAINTS

On/line Resource: *www.egis.environment.gov.za*

Distribution Format: *ArcGIS 10.5 Shapefile (shp) file format*

Access constraints:
The data can be obtained from The Department of Environmental Affairs. The department must be acknowledged in the use of the data as per citation information.

Distribution constraints:
Use limitations:
Please refer to the License Agreement. The user shall not sell or license the spatial data or digital maps. The Department of Environmental Affairs cannot give any warranty on the accuracy of the map. The Department of Environmental Affairs shall in no way be liable for results related to the use of these maps. Users of these digital maps must acknowledge the copyright for the digital map. Source: Department of Environmental Affairs.

METADATA INFORMATION

Metadata Point of Contact: *Director: Enterprise Geospatial Information Management*

Metadata Email Contact: *Protectedareas@environment.gov.za*

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Additional Extent information for the Dataset (Vertical & Temporal): *N/A*

Spatial Representation Type: *Vector – Polygon*

Reference System:
Projection – Geographic Coordinate System
Coordinate Reference – GCS_WGS_1984

Metadata File Identifier: *SAPAD_OR_2019_Q1_METADATA*

Metadata Standard Name: *SANS 1878*

Metadata Standard Version: *SANS 1878/1:2005*

Metadata Language: *English*

Metadata Character Set: *US/Ascii*

New Additions to Database *(Site Category Type)*

Nature Reserve

CUR_NME	SITE_TYPE	D_DCLAR
Witkliprug Nature Reserve	Nature Reserve	2019/02/22
Tswalu Kalahari Nature Reserve	Nature Reserve	2018/11/26
Pongola Nature Reserve	Nature Reserve	2019/01/17

Protected Environment

CUR_NME	SITE_TYPE	D_DCLAR
De Hoop Dam Protected Environment	Protected Environment	2019/02/22
Nungu Protected Environment	Protected Environment	2019/01/25

Amendments in spatial extent to database *(Site Category Type)*

National Park

CUR_NME	SITE_TYPE	D_DCLAR
Table Mountain National Park	National Park	2019/01/25

Nature Reserve

CUR_NME	SITE_TYPE	D_DCLAR
Compassberg Protected Environment	Nature Reserve	2012/07/06
Ditholo Nature Reserve	Nature Reserve	1993/09/08
Entumeni Nature Reserve	Nature Reserve	2019/01/17
Nungu Private Nature Reserve	Nature Reserve	2019/01/25
Mpenjati Nature Reserve	Nature Reserve	2012/08/30

Name Change *(Site Category Type)*

Nature Reserve

CUR_NME	OLD NAME	D_DCLAR
Nkandla Nature Reserve	Nkandla Forest Reserve	2019/01/17
Midmar Nature Reserve	Midmar Public Resort	2019/01/17
Dlinza Forest Reserve	Hlinza Forest Nature Reserve	2019/01/17

Retired from the Database *(Site Category Type)*

Nature Reserve

CUR_NME	SITE_TYPE	D_DCLAR
Dlinza Forest Reserve A	Nature Reserve	2019/01/17
Dlinza Forest Reserve B	Nature Reserve	2019/01/17