
SAPAD – South Africa Protected Areas Database

Metadata Date Stamp: 04 April 2022

DATASET DESCRIPTION

Dataset Title: *South Africa Protected Areas Database (SAPAD_OR_2021_Q4)*

Dataset Reference Date: 2022/03/31

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

Dataset Responsible Party: *Department of Forestry, Fisheries and the Environment / Directorate Spatial 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 <i>01 April 2021 - 04 June 2021</i>	SAPAD_OR_2021_Q1
		Quarter 2 Data additions for the period <i>05 June 2021 – 03 September 2021</i>	SAPAD_OR_2021_Q2
		Quarter 3 Data additions for the period <i>04 September 2021 – 19 November 2021</i>	SAPAD_OR_2021_Q3
		Quarter 4 Data additions for the period <i>20 November 2021 – 31 March 2022</i>	SAPAD_OR_2021_Q4
IR	Incremental Release	<i>Any release of data between OR periods. An additional version description is added to the title</i>	SAPAD_IR_2021_Q1_01
SR	Special Release	<i>Any project specific or errata release.</i>	SAPAD_SR_2021_Q1/01

Citation Information:

Originator: *Department of Forestry, Fisheries and the Environment*

Publication Date: *2022/04/15*

Title: *South Africa Protected Areas Database (SAPAD_OR_2021_Q4)*

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 2022/2023.*

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 surveyor general's dataset 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 INFORMATION

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)
PROC_DOC	PROC DOC	String	The Link to the Gazettes	https://portal.environment.gov.za/PortalDownloads/PACA_Gazettes/PA/NP/Addo_Elephant_NP.pdf

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	57	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	42	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	22	National Environmental Management: Protected Areas Act, (Act No. 57 of 2003)	Protected Area / PA
Nature Reserve	1424	National Environmental Management: Protected Areas Act, (Act No. 57 of 2003)	Protected Area / PA
Protected Environment	50	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	9	World Heritage Convention Act , (Act No. 49 of 1999)	Protected Area / PA

SUPPLEMENTARY INFORMATION

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

- SAPAD Data Release Schedule 2022/2023
- 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: 2022/03/31

Time Period of Content:

(The period for which gazette were inclusion):

Beginning date: 1903/10/27

Ending date: 2022/02/03

Progress: *In Progress* – continues data maintenance plan

Maintenance and update frequency:

The database is continuously being updated. Annexure A: Quarter 4 Official Update provides a list of new or amendments for the period 20 November 2021 to 31 March 2022 per site category type. This version was updated with Marine Protected Area, Nature Reserves, National Park & Protected Environment. All the withdrawn / Degazetted Reserves have also been removed from this version going forward. 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 10.7 Shapefile (shp) file format*

Access constraints:

The data can be obtained from The Department of Forestry, Fisheries and the Environment. 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 Forestry, Fisheries and the Environment cannot give any warranty on the accuracy of the map. The Department of Forestry, Fisheries and the Environment 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 Forestry, Fisheries and the Environment.

METADATA INFORMATION

Metadata Point of Contact: *Director: Spatial Information Management*

Metadata Email Contact: [*Protectedareas@environment.gov.za*](mailto:Protectedareas@environment.gov.za)

Postal Address:

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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_2021_Q4_METADATA*

Metadata Standard Name: *SANS 1878*

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

Metadata Language: *English*

Metadata Character Set: *US/Ascii*

ANNEXURE A: QUARTER 4 OFFICIAL UPDATE

New Additions to Database (Site Category Type)

Marine Protected Area

CUR_NME	SITE_TYPE	D_DCLAR
Rocher Pan Marine Protected Area	Marine Protected Area	1990-07-27

Nature Reserve

CUR_NME	SITE_TYPE	D_DCLAR
Hlomo Hlomo Nature Reserve	Nature Reserve	2021-12-30
Kwawula Nature Reserve	Nature Reserve	2021-12-30
Nagle Dam and Game Reserve	Nature Reserve	2022-02-03
Tweefontein Nature Reserve	Nature Reserve	2022-02-03

Protected Environment

CUR_NME	SITE_TYPE	D_DCLAR
Afrikan Farms Protected Environment	Protected Environment	2021-07-16
Mkhothane Protected Environment	Protected Environment	2021-12-30
Southdown Protected Environment	Protected Environment	2021-09-09
Wilderness National Lake Area	Protected Environment	1986/05/02

Amendments in spatial extent to database (Site Category Type)

Nature Reserve

CUR_NME	SITE_TYPE	D_DCLAR
Crocodile River Reserve Central Nature Reserve Cluster	Nature Reserve	2019-10-02
Crocodile River Reserve Doornrandje Nature Reserve Cluster	Nature Reserve	2019-10-02
Rooi Els Nature Reserve	Nature Reserve	1984-05-04
uMsonti Private Nature Reserve	Nature Reserve	2019-05-16

Protected Environment

CUR_NME	SITE_TYPE	D_DCLAR
Mountain Zebra-Camdeboo Protected Environment	Protected Environment	2016-04-01

Correction to database (Site Category Type)

Nature Reserve

CUR_NME	SITE_TYPE	D_DCLAR
Orange River Mouth Nature Reserve	Nature Reserve	2018-04-09
Fontein Nature Reserve	Nature Reserve	2020-12-04

National Park

CUR_NME	SITE_TYPE	D_DCLAR
Meerkat National Park	National Park	2020-03-27