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**reference** **EDMS 226158: CFRPA WHS Minor Boundary Modification**

**date** 24 January 2024

**DEPARTMENT OF FORESTRY, FISHERIES AND THE ENVIRONMENT**

Attention: Ms. Nomfundo Tshabalala

Director General

By e-mail: [tntloko@dffe.gov.za](mailto:tntloko@dffe.gov.za)[nbhengu@dffe.gov.za](mailto:nbhengu@dffe.gov.za)[xmabunzi@dffe.gov.za](mailto:xmabunzi@dffe.gov.za)**APPLICATION: CAPE FLORISTIC REGION PROTECTED AREAS WORLD HERITAGE SITE: MINOR BOUNDARY MODIFICATION HEXRIVER COMPLEX**

World Heritage Site: CFRPA World Heritage Site

Complex name: Hexrivier Complex

Compartment part: Bokkeriviere Nature Reserve

Compartment number: 100

**I. AREA OF THE PROPERTY**

This application concerns a Minor Boundary Modification of one of the 13 complexes of the Cape Floristic Region Protected Area World Heritage Site (CFRPA WHS) as nominated by the Government of South Africa in 2014. The specific compartment referred to in this submission is Bokkeriviere Nature Reserve, ID number 100, which forms part of the Hexriver Complex.

**I.1 Area of the property inscribed:**

The Hexriver Complex was nominated as part of the extension to the CFRPA WHS that was originally inscribed on 7 July 2004 that comprised an area of 557 584 ha. With the extension in 2015, the CFRPA WHS amounts to 1 094 742 ha with a buffer zone of 798 514 ha. The Hexriver Complex totalling approximately 19 300 ha, one of the 13 complexes comprising the CFRPA WHS, includes four Nature Reserves, namely the Wittebrug-; Fonteintjiesberg-; Ben-Etive-; and Bokkeriviere State Forest Nature Reserves. The boundary of Bokkeriviere Nature Reserve was incorrectly indicated in the original WHS nomination documents. The original area for Bokkeriviere Nature Reserve included covers a total extent of 11 948.33 ha, centroid S 33° 21' 17.1" E 19° 46' 08.1". Please see Map I.

## 1.2 Area of the property as proposed to be modified:

The inscribed area of 11 948.33 ha for the Bokkeriviere Nature Reserve is proposed to be modified to reflect 6 945.74 ha. The area inscribed for the CFRPA WHS must therefore be modified to reflect 1 089 739.41 ha. See Map 2.

## **2. DESCRIPTION OF THE MODIFICATION**

Bokkeriviere Nature Reserve is divided into a section managed by CapeNature as a Nature Reserve of 6 945.74 ha, and a section managed by the South African National Defence Force (SANDF) of 5 002.59 ha (Map 2). These areas reflect the spatially calculated areas that must undergo subdivision to incorporate the split in management of these farms.

The Minor Boundary Modification is for the exclusion of a section of remainder of the Farm Bokke Rivier 353, Ceres Division, Western Cape Province, and a section of remainder Portion I of the Farm Bokke Rivier 353, situated in the Witzenberg Municipality, Administrative District of Ceres, Western Cape Province totalling 5 002.59 ha. These properties, managed by the SANDF were erroneously reflected as part of the Bokkeriviere Nature Reserve due to an incorrect spatial boundary delineation for the Nature Reserve.

The modified Bokkeriviere Nature Reserve boundary that this Minor Boundary Modification application will effect is reflected in Map 2 and Annexure A, with coordinates:

Schedule of Farms

Description of figure subject to Nature Reserve	Area	Farm	Diagram No.	Deed of Transfer
1) A B C W X	1013,3374ha	Farm No.346, Ceres (the whole)	321/1876	State Land
2) W C D B1 C1 G H D1 E1 F1 G1 U V	2759,2465ha	Farm No.355, Ceres (the whole)	2871/1876	Grant Tul.Q.6-12
3) D E F G C1 B1 and H Z Y H1 G1 F1 E1 D1	824,2ha	Remainder of the farm Bokke Rivier No.353, Ceres	521/1836	Grant Wor.Q.7-9
4) Z J Y	3,0ha	Remainder Portion I of the farm Bokke Rivier No.353, Ceres	70/1865	D/T 1865.9.25
5) G1 H1 J J1 Q K1 L1	426,2874ha	Farm No.354, Ceres (the whole)	2935/1876	Grant Tul.Q.4-19
6) K L M N P Q J1 J	390,5087ha	Portion I of the farm Karbonaatjes Kraal No.38, Worcester (the whole)	224/1840	D/T 1840.19.85
7) U G1 L1 K1 Q R S T	1561,4792ha	The farm Witteberg No.40, Worcester (the whole)	2392/1878	Grant Wor.Q.19-16

## **3. JUSTIFICATION FOR THE MODIFICATION**

The Hexriver Complex was inscribed by the World Heritage Convention, United Nations Educational, Scientific and Cultural Organisation (UNESCO) in 2015 as a part of the CFRPA WHS. The entire CFRPA WHS property comprises 1 094 742 ha. The South African Protected Areas Database spatial data at that time used for the CFRPA WHS extension nomination erroneously included a property utilised by the SANDF for military training purposes as part of the Bokkeriviere Nature Reserve. As such, the SANDF property comprising 5 002.59 ha was erroneously delineated as part of the Bokkeriviere Nature Reserve and inscribed as part of the CFRPA WHS, although never managed as part of the Nature Reserve or CFRPA WHS.

Government Gazette 44191, Notice No. 141 published Minister's intention to proclaim land situated in the Western and Eastern Cape Province to be part of the CFRPA WHS. The erroneous boundary was observed by the SANDF and an objection lodged with the South African Department of Forestry,

Fisheries and the Environment (DFFE). Subsequently the process for Minor Boundary Modification was initiated.

The proposed Minor Boundary Modification will result in a minor reduction in the extent of the Hexriver Complex and greater CFRPA WHS by approximately 0.46% of the total area of the CFRPA WHS. The proposed minor boundary modification will have no effect on the existing buffering mechanisms of the CFRPA WHS, Hexriver Complex and Bokkeriviere Nature Reserve.

The Minor Boundary Modification will enable effective management and maintenance of the Outstanding Universal Value of the CFRPA WHS since land use activities will not conflict with the objectives of the Hexriver Complex.

#### **4. CONTRIBUTION TO THE MAINTENANCE OF THE OUTSTANDING UNIVERSAL VALUE**

The CFRPA WHS is inscribed in accordance with Criterion (ix) '*Ongoing biological and ecological processes*', and Criterion (x) '*Biological diversity and threatened species*'.

The Hexriver Complex establishes linkages between the inscribed Cederberg-; Groot Winterhoek; and Boland Mountain Complexes. Landscape transitions and floral diversity of the Hexriver Complex provide physical and climatic diversity in an area of transition between montane and lowland habitats, and juxtaposed Fynbos and Succulent Karoo Biomes.

Of the nine fynbos vegetation types comprising the Hexriver Complex Protected Areas, three vegetation types, including Breede Alluvium Fynbos (Endangered), Breede Shale Fynbos (Vulnerable) and Ceres Shale Renosterveld (Vulnerable), are not formally protected elsewhere. Other conservation targets of note in the Complex include Serotinous Proteaceae, Northern Inland Shale Band Vegetation, Altimontane vegetation, priority small mammal species (Spectacled dormouse (Near Threatened), White-tailed mouse (Vulnerable), Verreux's Eagle, Colophon beetles (Colophon haughton (Endangered) and Colophon kawaii).

The Minor Boundary Modification of the Bokkeriviere Nature Reserve will not impact on protection levels of the abovementioned threatened ecosystems and species of conservation concern, while least threatened Matjiesfontein Shale Renosterveld will remain intact and well represented in the Nature Reserve and Hexriver Complex. There will be no change to the buffering mechanisms relating to the Hexriver Complex and the CFRPA WHS.

Thus, the modification of the area of the Bokkeriviere Nature Reserve by a reduction of 5 002.59 ha will have no negative impact on OUV, this area never having contributed to protected area targets and objectives in the first place. The OUV will therefore be maintained for the entire CFRPA WHS.

## **5. IMPLICATIONS FOR LEGAL PROTECTION**

There is no negative implication for legal protection, the SANDF property never having been managed as part of the Bokkeriviere Nature Reserve. The Bokkeriviere Nature Reserve, state land managed by CapeNature for the purpose of a protected area and governed by an approved management plan, has not yet been afforded legal status in terms of the National Environmental Management: Protected Areas Act. As such, the Minor Boundary Modification will have a positive implication for the subdivision of the property and associated administrative process for legal status for the Bokkeriviere Nature Reserve.

## **6. IMPLICATIONS FOR MANAGEMENT ARRANGEMENTS**

The Minor Boundary Modification has no implication for management arrangements since the SANDF property was never managed as part of the Nature Reserve and Hexriver Complex. The Minor Boundary Modification will strengthen the case for subdivision of the property.

## **7. MAPS**

Map 1: Hexriver Complex including both delimitations of the property (original and proposed revision).

Map 2: Hexriver Complex showing only the proposed revision.

## **8. ADDITIONAL INFORMATION**

CapeNature, as the management authority of the Hexriver Complex, a component of the CFRPA WHS, welcomes the Minor Boundary Modification for the effective management of the Hexriver Complex, specifically the Bokkeriviere Nature Reserve.

Sincerely,



Dr Ashley Naidoo

Chief Executive Officer

CapeNature













19°45'0"E

# Bokkeriviere Nature Reserve

## Boundary Modification

CFRPA WHS  
Hexrivier Complex  
Component 100

-  Modified boundary
-  Current inscribed boundary
-  Bokkeriviere Nature Reserve
-  SANDF property
-  Cadastre properties
-  Boundary points

POINT	DDS	DDE
01	-33.3353103	19.74546036
02	-33.3391082	19.74984958
03	-33.3402555	19.75117771
04	-33.3439666	19.76157498
05	-33.3473057	19.76002192
06	-33.3538437	19.75737054
07	-33.3624587	19.7943409
08	-33.368397	19.80560074
09	-33.3710161	19.8105676
10	-33.3619754	19.81326648
11	-33.3622541	19.84075916

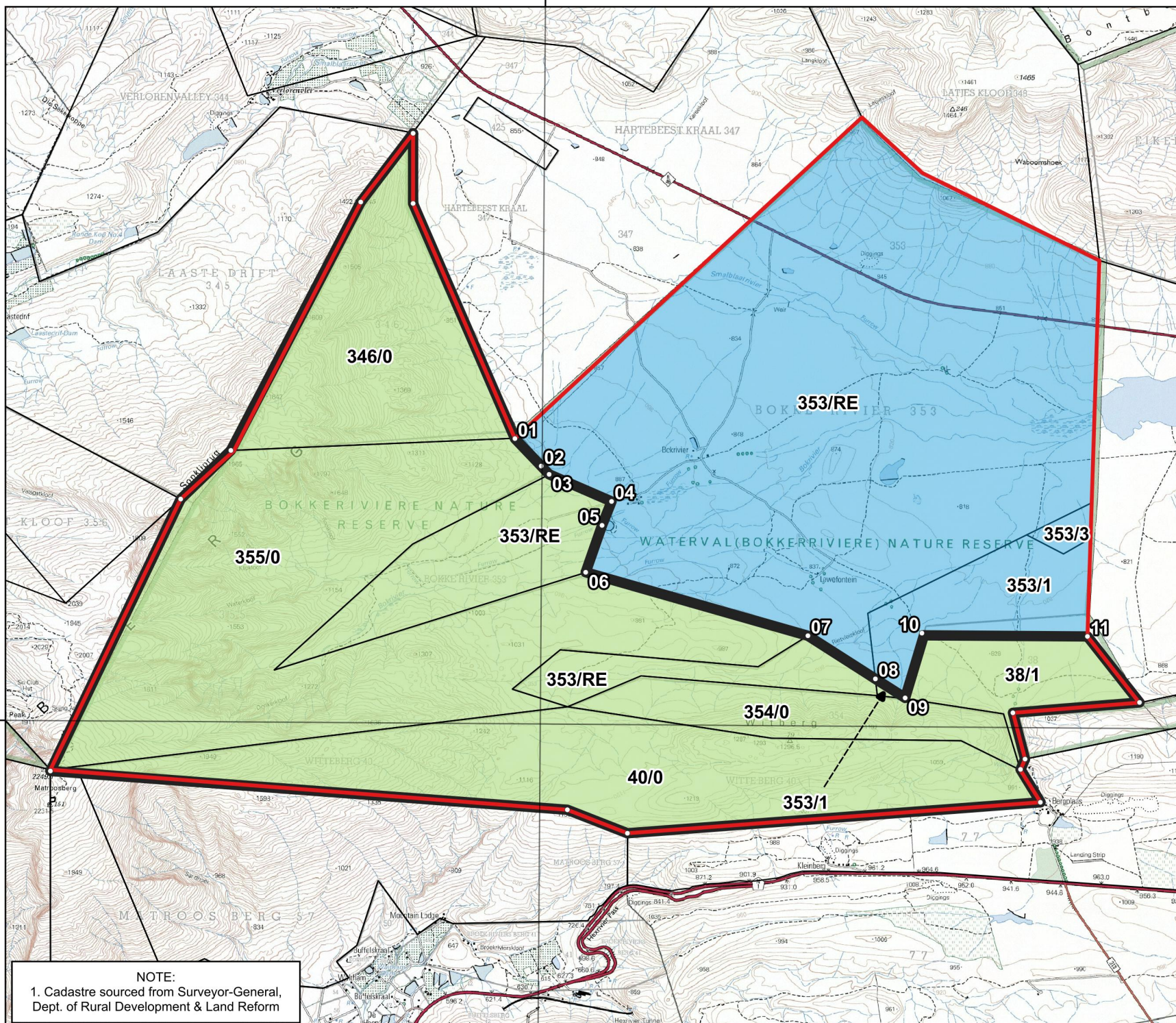


Compiled: CapeNature, 23 January 2024  
Background image: CD National Geo-spatial Information  
Mapsets (NGI WMS): 1: 50 000 Topocadastral Map, Current  
Projection: Transverse Mercator, Central Meridian 19°E,  
WGS84

### NOTE:

1. Cadastre sourced from Surveyor-General,  
Dept. of Rural Development & Land Reform

33°22'30"S





FRAMED FOR PROCLAMATION PURPOSES - ACT 57/2003

Riding & Watt, Professional Land Surveyors, Ceres

SIDES Metres		ANGLES OF DIRECTION	CO-ORDINATES System: WG 19°		
			Y	X	
Constants					
A B	1 087,00	359.55.07	A	-67 821,21	+3 685 462,63
B C	3 957,40	336.31.20	B	-67 822,75	+3 686 549,63
C D	773,02	316.29.50	C	-69 399,35	+3 690 179,42
D E	1 049,45	293.27.36	D	-69 931,48	+3 690 740,13
E F	395,04	21.45.30	E	-70 894,18	+3 691 157,93
F G	769,99	19.06.20	F	-70 747,74	+3 691 524,82
G H	3 565,53	285.57.46	G	-70 495,71	+3 692 252,40
H J	1 791,94	302.41.29	H	-73 923,76	+3 693 232,96
J K	1 042,00	194.26.43	J	-75 431,85	+3 694 200,81
K L	2 558,65	271.05.30	K	-75 691,78	+3 693 191,75
L M	1 299,87	322.04.36	L	-78 249,97	+3 693 240,50
M N	1 955,21	85.28.01	M	-79 048,88	+3 694 265,88
N P	738,06	345.24.20	N	-77 099,78	+3 694 420,41
P Q	184,33	22.54.10	P	-77 285,75	+3 695 134,65
Q R	587,05	327.51.40	Q	-77 214,01	+3 695 304,45
R S	6 404,43	85.42.52	R	-77 526,31	+3 695 801,54
S T	996,56	111.20.20	S	-71 139,79	+3 696 280,13
T U	8 016,16	94.25.53	T	-70 211,55	+3 695 917,50
U V	4 640,47	205.44.07	U	-62 219,35	+3 695 298,14
V W	1 077,43	225.50.25	V	-64 234,31	+3 691 117,96
W X	4 332,02	207.35.11	W		
X A	1 336,89	217.10.36	X		
Indicatory Data					
J Y	305,17	94.44.50	Y	-75 127,72	+3 694 175,55
J Z	414,32	122.41.29	Z	-75 083,16	+3 693 977,03
Y Z	203,46	167.20.53	Y	-75 127,72	+3 694 175,55
H Z	1 377,62	302.41.29	Z	-75 083,16	+3 693 977,03
A1 Z	1 123,86	347.20.53	A1	-74 837,00	+3 692 880,47
Hexrivier	3319-29	△	-62 219,35	+3 695 298,14	
Verlorenvlei	3319-245	△	-67 013,36	+3 686 527,83	
Witteberg	3319-79	△	-73 639,66	+3 694 849,88	

Beacon Descriptions:

A : iron corner fence post  
A1,B,D,G,M,N : 12mm iron peg in cairn  
C,J : cairn  
E : wooden fence post  
F : 16mm iron peg  
H : large rock  
K : planted stone  
L : planted stone next to iron corner fence post  
U : Trig 3319/29 Hexrivier  
X : Trig 3319/245 Verlorenvlei  
Y,Z : not beaconed

The figure A B C D E F G H J K L M N P Q R S T U V W X represents approximately 6978 hectares of land being the

BOKKERIVIER NATURE RESERVE

over the farms as listed in the Schedule of Farms

situate in the Witzenberg & Breede Valley Municipalities  
Administrative Districts of Ceres and Worcester Province Western Cape

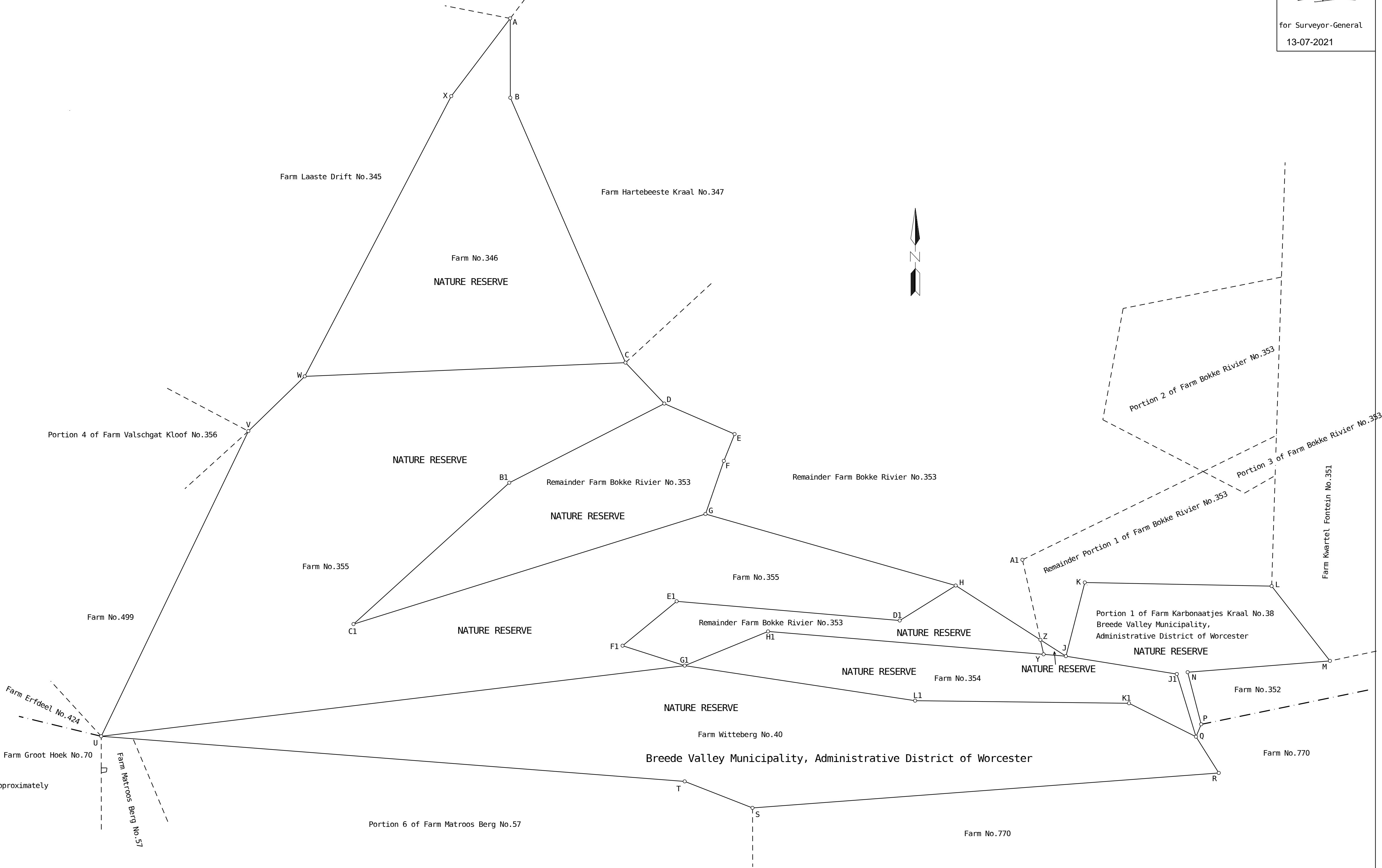
Framed in May 2021 for the purpose of proclaiming a Nature Reserve  
in terms of Section 23(1) of the National Environmental Management: Protected  
Areas Act 57 of 2003 by me,

*Chiding*

Professional Land Surveyor C F Riding (PLS 0521)

This diagram is annexed to	The original diagrams are as listed in the Schedule of Farms to the left	File No. <b>CERE 346</b> S.R. No. <b>674/2021</b> Comp. BI-4 (3817) BI-4DA (3824) LPI C0190000 & C0850000
No. dated i.f.o.		
Registrar of Deeds		

PLAN NO. 1076/2021



Scale:1/ 30000

Schedule of Farms

Description of figure subject to Nature Reserve	Area	Farm	Diagram No.	Deed of Transfer
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3) D E F G C1 B1 and H Z Y H1 G1 F1 E1 D1	824,2ha	Remainder of the farm Bokke Rivier No.353, Ceres	521/1836	Grant Wor.Q.7-9
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