

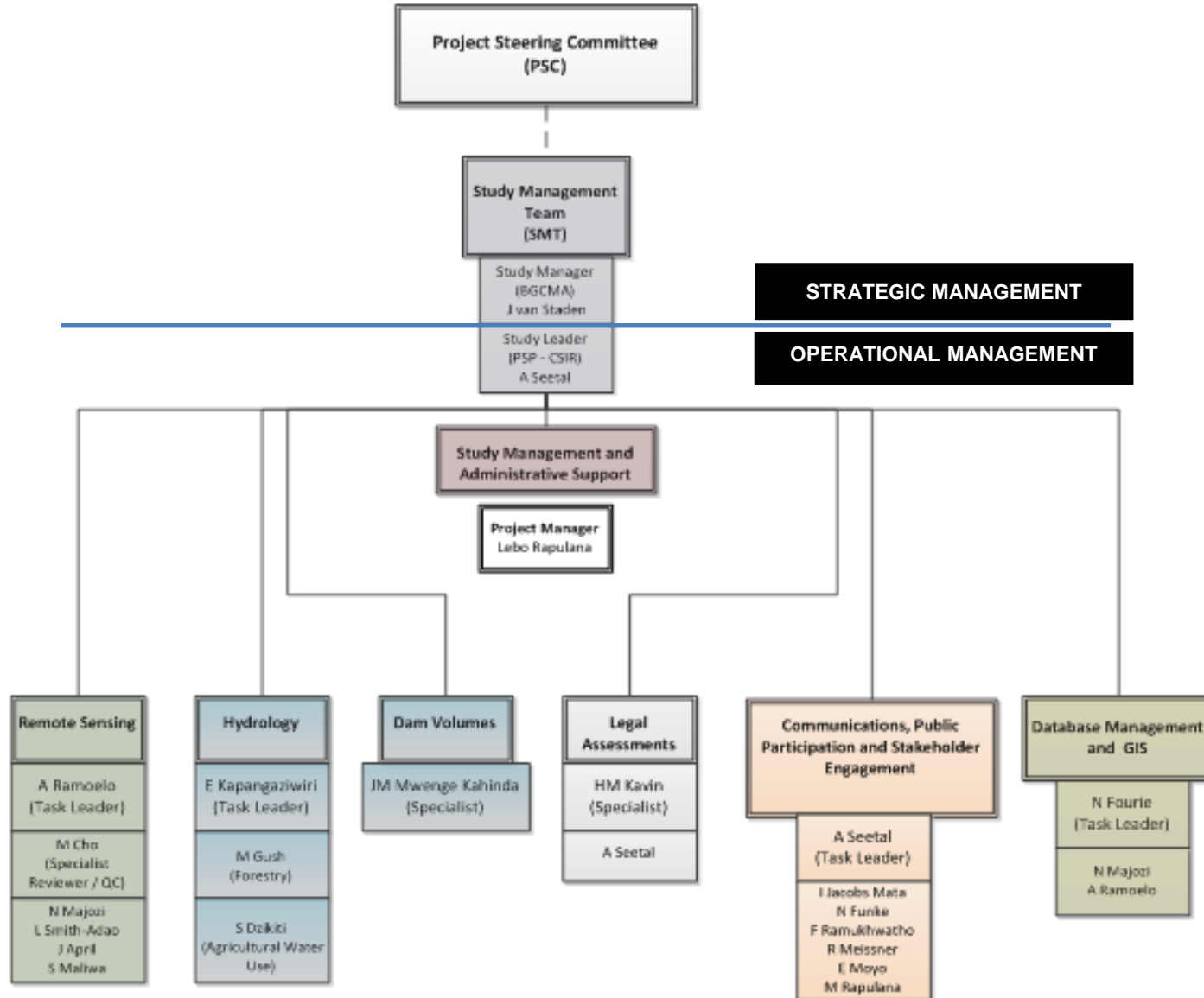
**BREEDE-GOURITZ**

Catchment Management Agency  
Opvanggebied Bestuursagentskap  
I-Arhente yoLawulo lomMandla nokungqongileyo

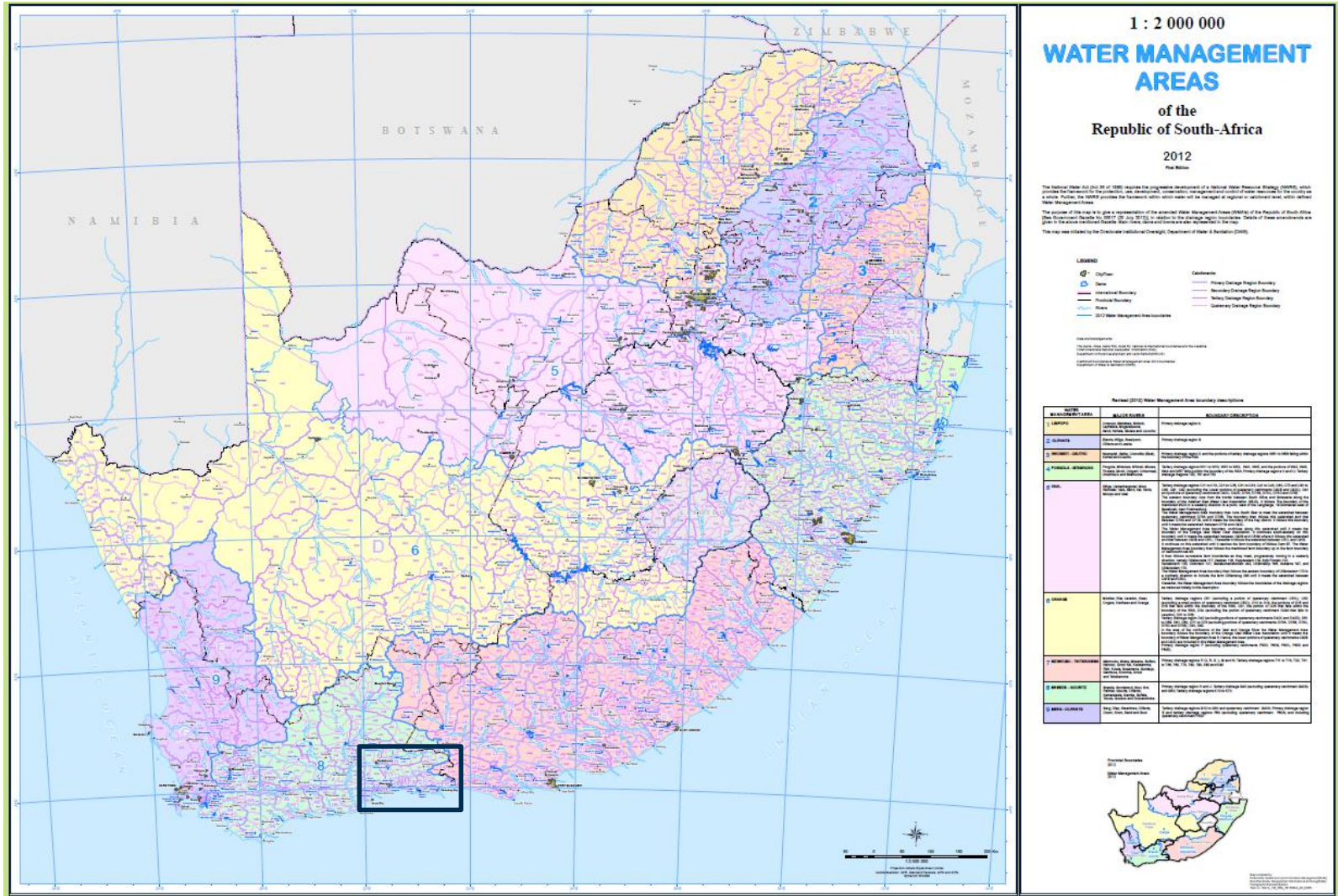
# III. Project Specific Matters

- Project Area, Methodologies, Water Use Statistics
- Water User Participation
- Project Information

# Project Team



# Project Area Location







# Project Area - Catchments



# WMA 16: Gouritz - Base Map



# Project Area: Main Catchments

PRIMARY CATCHMENT	TERTIARY AND QUATERNARY CATCHMENTS	TOWNS IN THE CATCHMENT
<b>H</b> (Gouritz)	H80A, H80B, H80C, H80D, H80E and H80F H90A, H90B, H90C, H90D and H90E	Heidelberg Stilbaai and <u>Riversdale</u>
<b>J</b> (Gouritz & Olifants)	J31A, J31B, J31C and J31D J32A, J32B, J32C, J32D and J32E J33A, J33B, J33C, J33D, J33E and J33F J34A, J34B, J34C, J34D, J34E and J34F J35A, J35B, J35C, J35D, J35E and J35F J40A, J40B, J40C, J40D and J40E	<u>Uniondale</u> <u>Oudshoorn</u> Albertina and Gouritsmond
<b>K</b> (Coastal)	K10A, K10B, K10C and K10D K30A, K30B, K30C and K30D K40A, K40B, K40C, K40D and K40E K50A and K50B K60A, K60B, K60C, K60D, K60E, K60F and K60G K70A and K70B	Mossel Bay <u>George</u> <u>Knysna</u> Plettenberg Bay
Priority Catchment	J12L	<u>Barrydale</u> (Doring Catchment)

# Project Priority Area – J12L

## QUARTERNARY J12 L

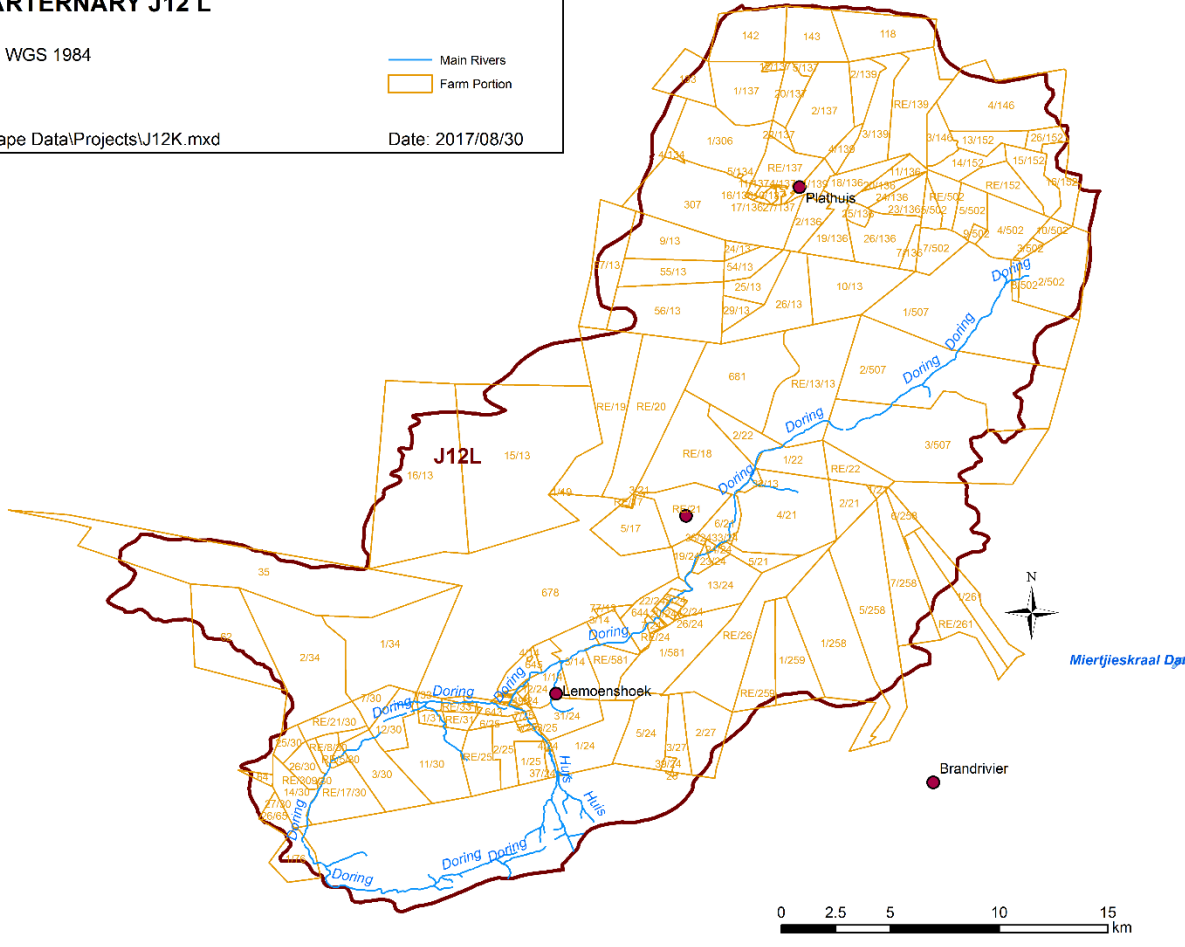
Coordinate System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degree

— Main Rivers  
— Farm Portion

Reference: Y:\Western Cape Data\Projects\J12K.mxd

Date: 2017/08/30

Bellair Dam  
Boerboonfontein



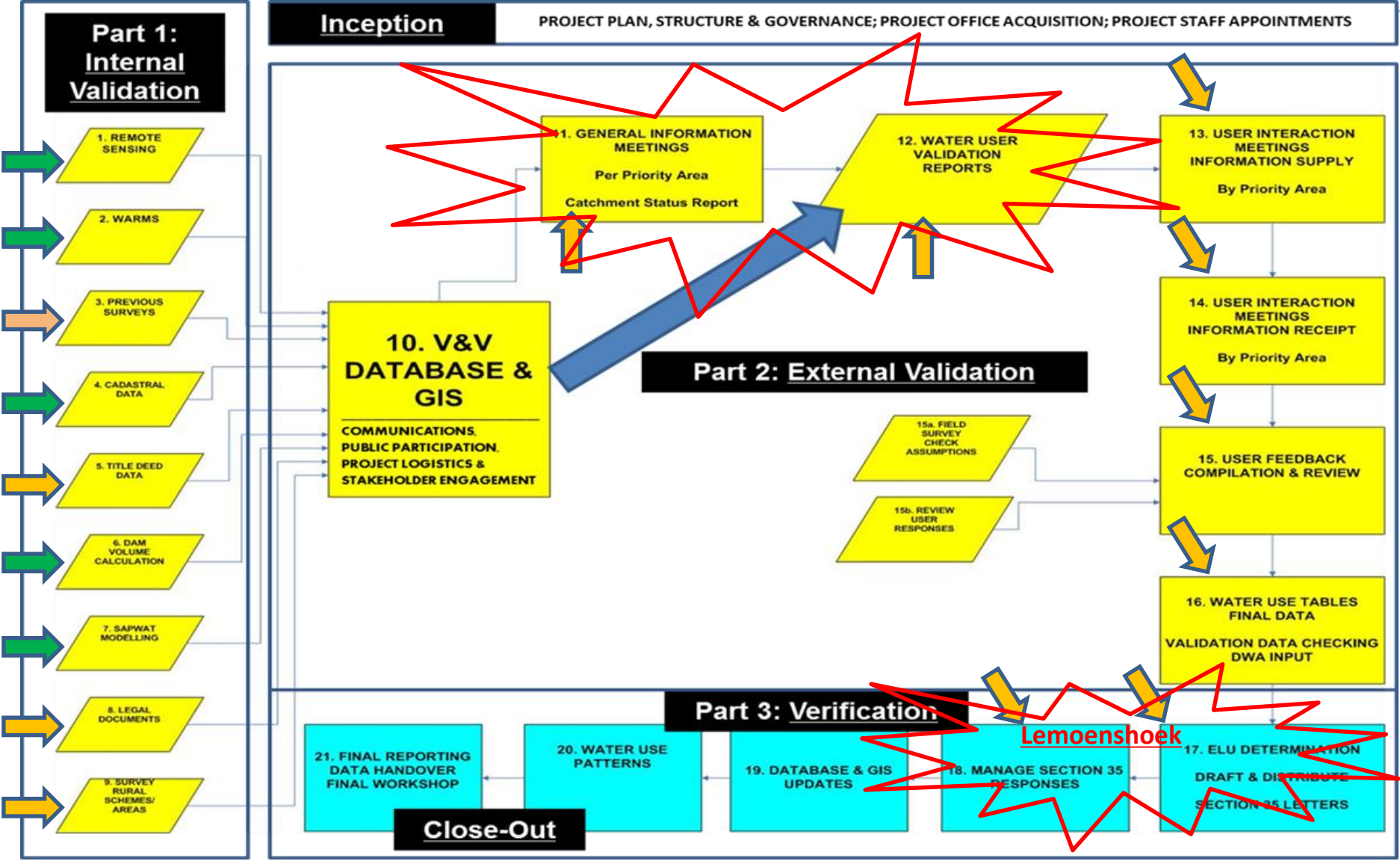
# Summary: Project Specifications & Features

1. Addresses **ELU** (QP water use) and not current use or unlawful water uses.
2. The project identifies **users with or without registered use entitlements**, whether claims for registered uses are correct, under-estimated, over-estimated or false
3. **2737** WARMS registered users in 3 Primary, 14 Tertiary and 68 Quaternary Catchments.
4. Expect another **30% unregistered users**.
5. Quaternary **J12L** is a priority catchment – Ministerial instruction arising from court actions between users. Complete determinations end-March 2018. Currently in the verification phase.
6. V&V projects are multi-disciplinary / multi-faceted and have very high **project management and coordination** requirements – internally and externally.
7. User engagement (minimises ELU determination disputes) and BGCMA involvement (post-project continuity) are critical success factors.
8. **Where an ELU has not been confirmed, the use becomes unlawful (s35(5)).**

# Managing Expectations

1. **Project Team expectation** – everything goes as planned. There are **many project variables** (internal and external) so planning is for a **robust design** that incorporates **flexibility in approach**.
2. **User expectation** – ELU engagements take place and determinations are available immediately or shortly after project commencement.
3. Generally – the **elapsed time period** creates several issues (e.g. property ownership and water user changes; uncertainty over extent of WU in the QP; missing / outdated information). Approach to **mitigate**: engage with users & property owners; work on confidence limits regarding determinations.
4. **ELU determinations are NOT absolute and are approximations guided by evidence (visual or documentary) and legal principles.**

# Project Process Flow and Progress



# Project Programme - Summary

WORK PROGRAMME																								
	Months from Appointment																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
<b>Main Tasks</b>																								
<b>Phase 1:</b>																								
<b>Inception and Establishment</b>																								
<b>Phase 2:</b>																								
<b>Implementation</b>																								
<b>2.1. Validation</b>																								
<b>2.1.1. Internal Validation</b>																								
<b>2.1.2. External Validation</b>																								
<b>2.2 Verification</b>																								
<b>Sections 32-35 Phased by Area</b>																								
<b>2.3 Current Water Use Patterns</b>																								
<b>Phase 3:</b>																								
<b>Project Termination</b>																								
<b>Skills Transfer and Capacity Building</b>																								
<b>Project Management and Administration</b>																								

# Project Programme - Expanded

YEAR		2017		2018												2019									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
MONTH NUMBER		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
TASKS	MONTH	FY 2017/18						FY 2018/19												FY2019/20					
	VALIDATION AND VERIFICATION	User Information Workshop(s)																							
User Interaction Meetings																									
Feedback Review & ELU Determination																									
Section 35 Verification commencement																									
Section 33 Verification commencement																									
Manage Sections 33 & 35 Responses																									
Sections 33 & 35 ELU Finalised																									
CLOSE -OUT	Internal Lessons-Learnt Workshop																								
	Stakeholder Close-Out Workshop(s)																								
	Close-Out Report & Project Hand-Over																								

# Methodology – Summary

- The process includes identifying land and non-land based water uses (industrial, mining and bulk potable water supplies, etc.) and estimating remote sensing (RS) techniques for the qualifying period.

**Dr Abel Ramoelo & Team**

- Crop irrigation requirements are estimated using the South African Procedure for estimating irrigation water requirements (SAIWRIT), version 4.

**Dr Evison Kapangaziwiri & Dr Seb Dzikiti**

- The Gush Curves are used to quantify Stream Flow Reduction Activities (SFRAs) - commercially afforested areas, converting areas to volume.

**Dr Mark Gush**

- The boundaries of farm reservoirs are delineated from RS and the volumes calculated using a regression approach.

**Dr Jean-Marc Mwenge Kahinda**

- Estimates of the irrigation water requirements, SFRAs and reservoir volumes form the basis for interaction between the project team and water users to confirm their uses; and subsequently, to update the Water Authorisation and Registration Management System (WARMS), a database of water users.

**Project Office Staff**

# How is Water Use Validated?

- **Satellite and Aerial imagery** (specific dates & multi-seasons)
- **Property & Ownership** data
- **WARMS** Registration data
- Property and Field **Surveys**
- **Water User Interaction**
- **SAPWAT** Model: Crop Water Use determinations
- **Dam Volumes**: surface area to volume calculations
- **Stream Flow Reduction Activity**: area to volume determinations
- **Acknowledge** local conditions/practices

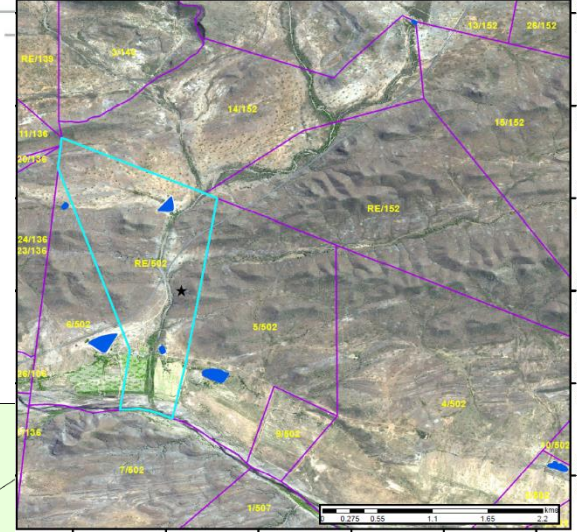
# How is Water Use Validated? Consolidated Maps



**OCKERTSKRAAL FARM (NO:RE/502)**

- Legend**
- Farm Portions
  - Rivers (Strahler Stream Order)
  - 5
  - 4
  - 3
  - 2
  - 1
  - Dams (NGI)
  - Quaternary Catchments

Scale: 1:18 056  
Date created: February 7, 2018

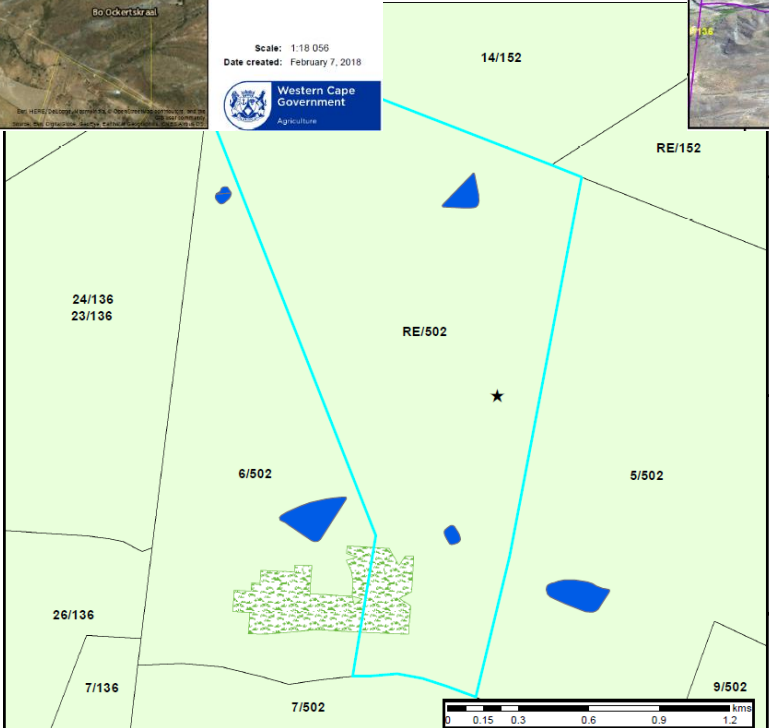


**FARM PORTION OVERVIEW**

- ★ WARMS Registered
- Dams
- Crops Qualifying Period
- Orchards
- Pasture
- Vine
- Farm Portions

Projections: Albers Equal Area  
Datum: WGS84  
Image: SPOT 5

**CSIR BREED-GOURITZ**  
our future through science



■ Dams	13866.71m2	50982.6m3
<b>Crops Qualifying Period</b>		
■ Orchards	0 Ha	
■ Pasture	5.22 Ha	
■ Vine	0 Ha	
□ Farm Portions		

Property Owner: OCKERTSKRAAL  
WARMS Registration No: 22082345  
SG Code: C07300000000050200000  
Quaternary Catchment: J12L

Projections: Albers Equal Area  
Datum: WGS84  
Image: Landsat 5



# Results – SAPWAT Crop Water Requirements

## Summary of the water use (ET) and gross irrigation requirements for crops in the H90C Quaternary.

Quat	CropName	PlantDt	CropDays	Rotation	IrrigSys	Weather station	Crp wat. Req (m3/ha/yr)	Gross irrig (m3/ha/yr)	Rain (mm/yr)	Soil texture	Depletion (%)	Depth (mm)
H90C	APPLES				100.00MICRO SPRAY	H90C	10440	7040	379	Sandy	70	50.00
H90C	APPLES				100.00Drip	H90C	10500	6810	375	Sandy	70	50.00
H90C	APPLES				100.00Micro sprinkler	H90C	10380	7080	352	Sandy	70	50.00
H90C	APPLES				100.00Flood	H90C	10140	9790	382	Sandy	70	50.00
H90C	APRICOTS	01-Jan	365		100.00SPRINKLER: QUICK-COUPLING	H90C	8180	6650	366	Sandy	70	50.00
H90C	APRICOTS	01-Jan	365		100.00SPRINKLER: DRAGLINE	H90C	8220	7030	344	Sandy	70	50.00
H90C	APRICOTS	01-Jan	365		100.00CENTRE PIVOT	H90C	8330	7130	352	Sandy	70	50.00
H90C	APRICOTS	01-Jan	365		100.00SPRINKLER: MICRO SPRAY	H90C	8310	6550	433	Sandy	70	50.00
H90C	APRICOTS	01-Jan	365		100.00SPRINKLER: BIG GUN	H90C	8330	7070	365	Sandy	70	50.00
H90C	APRICOTS	01-Jan	365		100.00SPRINKLER: BOOM	H90C	8240	6660	360	Sandy	70	50.00
H90C	APRICOTS	01-Jan	365		100.00SPRINKLER: HOP ALONG	H90C	8350	6600	409	Sandy	70	50.00
H90C	APRICOTS	01-Jan	365		100.00SPRINKLER: PERMANENT	H90C	8360	7160	355	Sandy	70	50.00
H90C	APRICOTS	01-Jan	365		100.00SPRINKLER: TRAVELLING BOOM	H90C	8190	6750	384	Sandy	70	50.00
H90C	APRICOTS	01-Jan	365		100.00FLOOD: FURROW	H90C	8100	6750	392	Sandy	70	50.00
H90C	CABBAGE				100.00SPRINKLER: QUICK-COUPLING	H90C	2880	3510	91	Sandy	70	25.00
H90C	CABBAGE				100.00SPRINKLER: DRAGLINE	H90C	2980	3300	112	Sandy	70	25.00
H90C	CABBAGE				100.00CENTRE PIVOT	H90C	2920	3750	84	Sandy	70	25.00
H90C	CABBAGE				100.00SPRINKLER: MICRO SPRAY	H90C	2900	3380	98	Sandy	70	25.00
H90C	CABBAGE				100.00SPRINKLER: BIG GUN	H90C	2880	3600	91	Sandy	70	25.00
H90C	CABBAGE				100.00SPRINKLER: BOOM	H90C	2910	3580	98	Sandy	70	25.00
H90C	CABBAGE				100.00SPRINKLER: HOP ALONG	H90C	2890	3380	91	Sandy	70	25.00
H90C	CABBAGE				100.00SPRINKLER: PERMANENT	H90C	2900	3750	84	Sandy	70	25.00
H90C	CABBAGE				100.00SPRINKLER: TRAVELLING BOOM	H90C	2900	3790	91	Sandy	70	25.00
H90C	CABBAGE				100.00FLOOD: FURROW	H90C	2910	4230	84	Sandy	70	25.00
H90C	FESCUE-GRAZING	30-Jun	270		90.00SPRINKLER: DRAGLINE	H90C	11710	10330	443	Sandy	70	50.00
H90C	FESCUE-GRAZING	30-Jun	270		90.00CENTRE PIVOT	H90C	11710	9760	511	Sandy	70	50.00
H90C	FESCUE-GRAZING	30-Jun	270		90.00SPRINKLER: MICRO SPRAY	H90C	11710	9090	461	Sandy	70	50.00
H90C	FESCUE-GRAZING	30-Jun	270		90.00FLOOD: FURROW	H90C	11710	12540	472	Sandy	70	50.00

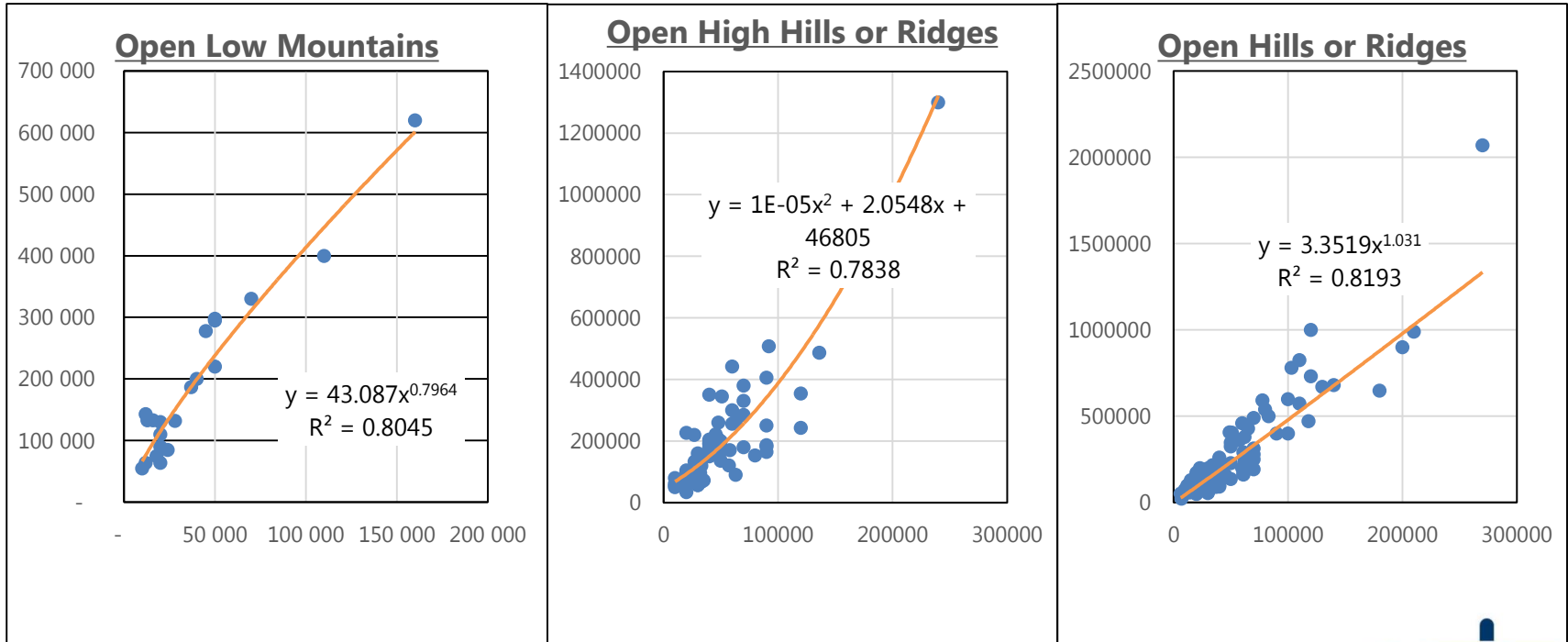
# Results – SFRA Water Requirements

## Gush Curves for converting SFRA areas to volumes

A	B	C	D	E	J	K	L	M	Q	R	S	T	U	AB	AE	AF	AG	AH	AI	AJ	AL	AM	AN
FID	FID_farm_GID	PRCL_KEY	PRCL_TYP	TAG_X	TAG_Y	TAG_VALL	TAG_SIZE	DATE_STAMP	FID_Plant	FID_Plan_ID_1	DESCR	QUARTER	MAR	CURVE	HYDROZ	TERTIARY	SECONDA	PRIMARY	Area_m2	Area_Ha	Plantation	TFR (m³)	
0	19	7019557	W042C073	FP	20.85826	-33.9698	RE/96	0.0002	25/06/2012 00:00	220	175	9	Forest Plantations (Pine spp)	H80B	345.5	2	C	H80	H8	H	480.9656	0.048097	20.6334221
1	22	7402650	W044C027	FP	22.49776	-33.9865	RE/22/195	0.000054	27/11/2017 00:00	61	44	9	Forest Plantations (Pine spp)	K30C	284.2	3	D	K30	K3	K	0.49458	4.95E-05	0.007517609
2	40	6978980	W048C035	FP	22.81542	-33.9129	70/183	0.0002	25/06/2012 00:00	92	68	11	Forest Plantations (Other / mixed spp)	K40B	239.3	4	D	K40	K4	K	17227.22	1.722722	513.3712529
3	40	6978980	W048C035	FP	22.81542	-33.9129	70/183	0.0002	25/06/2012 00:00	93	68	11	Forest Plantations (Other / mixed spp)	K40C	339	4	D	K40	K4	K	323781	32.3781	9389.649373
4	43	6217384	W044C027	FP	22.63854	-33.9653	3/166	0.000216	25/06/2012 00:00	174	138	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	63549.91	6.354991	946.893601
5	74	7559010	W044C027	FP	22.35161	-33.9204	3/342	0.000324	17/08/2017 00:00	64	44	9	Forest Plantations (Pine spp)	K30A	267.9	3	D	K30	K3	K	3033175	303.3175	208682.4205
6	74	7559010	W044C027	FP	22.35161	-33.9204	3/342	0.000324	17/08/2017 00:00	85	62	12	Forest Plantations (clearfelled)	K30A	267.9	3	D	K30	K3	K	617265.1	61.72651	42467.83923
7	74	7559010	W044C027	FP	22.35161	-33.9204	3/342	0.000324	17/08/2017 00:00	122	92	12	Forest Plantations (clearfelled)	K30A	267.9	3	D	K30	K3	K	220249.8	22.02498	15153.18839
8	74	7559010	W044C027	FP	22.35161	-33.9204	3/342	0.000324	17/08/2017 00:00	123	93	12	Forest Plantations (clearfelled)	K30A	267.9	3	D	K30	K3	K	176299.3	17.62993	12129.39453
9	75	7559011	W044C027	FP	22.31804	-33.9217	2/342	0.000324	17/08/2017 00:00	64	44	9	Forest Plantations (Pine spp)	K30A	267.9	3	D	K30	K3	K	478954.8	47.89548	32952.09303
10	88	6252416	W048C035	FP	22.95955	-33.9729	3/187	0.0002	25/06/2012 00:00	171	135	11	Forest Plantations (Other / mixed spp)	K40E	198.5	5	D	K40	K4	K	16581.54	1.658154	349.8704936
11	124	6305992	W044C027	FP	22.69766	-33.9803	14/186	0.000108	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	4353.472	0.435347	64.86673928
12	125	6305993	W044C027	FP	22.69894	-33.9776	320	0.000108	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	7194.999	0.7195	107.2054805
13	125	6305993	W044C027	FP	22.69894	-33.9776	320	0.000108	25/06/2012 00:00	222	176	9	Forest Plantations (Pine spp)	K40D	253.8	3	D	K40	K4	K	9829.25	0.982925	274.236073
14	148	6210306	W048C035	FP	23.05476	-33.9458	RE/89	0.0002	02/05/2017 00:00	206	162	11	Forest Plantations (Other / mixed spp)	K50B	238.9	5	D	K50	K5	K	126346.5	12.63465	3348.183058
15	156	7010047	W043C051	FP	22.1859	-33.9626	1/302	0.0002	25/06/2012 00:00	62	44	9	Forest Plantations (Pine spp)	K20A	239.3	3	D	K20	K2	K	30571.09	3.057109	330.1677909
16	191	3009956	W043C027	FP	22.25673	-34.0485	32/252	0.000162	23/02/2016 00:00	253	201	9	Forest Plantations (Pine spp)	K20A	239.3	3	D	K20	K2	K	160237.4	16.02374	1730.564156
17	193	3009959	W043C027	FP	22.26096	-34.0455	2/256	0.0002	23/02/2016 00:00	253	201	9	Forest Plantations (Pine spp)	K20A	239.3	3	D	K20	K2	K	273485.8	27.34858	2953.646351
18	698	1327499	W044C027	FP	22.70459	-33.9917	2/186	0.0002	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	1222.344	0.122234	18.21292008
19	699	1327500	W044C027	FP	22.7044	-33.9925	4/186	0.0002	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	10078.94	1.007894	150.1762423
20	700	3035093	W048C027	FP	22.72273	-33.9911	12/187	0.000054	17/10/2016 00:00	236	188	9	Forest Plantations (Pine spp)	K40D	253.8	3	D	K40	K4	K	1534.2	0.15342	42.80417342
21	730	1327545	W044C027	FP	22.69979	-33.985	9/186	0.0002	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	62521.5	6.25215	931.570304
22	731	1327550	W044C027	FP	22.70101	-33.9893	13/186	0.0002	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	245789	24.5789	3662.255771
23	732	1327554	W044C027	FP	22.69877	-33.9825	19/186	0.0002	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	83829.29	8.382929	1249.056494
24	733	1327555	W044C027	FP	22.70435	-33.9935	20/186	0.000054	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	188.5885	0.018859	2.809969268
25	734	1327556	W044C027	FP	22.70214	-33.9932	21/186	0.000054	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	26980.46	2.698046	402.008908
26	735	1327557	W044C027	FP	22.70203	-33.9927	22/186	0.000054	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	19547.53	1.954753	291.2582095
27	736	1327558	W044C027	FP	22.70259	-33.9825	23/186	0.0002	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	139544.7	13.95447	2079.21607
28	736	1327558	W044C027	FP	22.70259	-33.9825	23/186	0.0002	25/06/2012 00:00	222	176	9	Forest Plantations (Pine spp)	K40D	253.8	3	D	K40	K4	K	15409.66	1.540966	429.9294942
29	737	1327559	W044C027	FP	22.70035	-33.9804	27/186	0.0002	25/06/2012 00:00	221	176	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	609.3633	0.060936	9.07951335
30	737	1327559	W044C027	FP	22.70035	-33.9804	27/186	0.0002	25/06/2012 00:00	222	176	9	Forest Plantations (Pine spp)	K40D	253.8	3	D	K40	K4	K	16166.28	1.616628	451.0392067
31	760	1327582	W044C027	FP	22.61466	-33.9622	1/163	0.000087	25/06/2012 00:00	163	127	9	Forest Plantations (Pine spp)	K30D	212.9	3	D	K30	K3	K	44160.84	4.416084	657.9965343
32	783	1329443	W043C027	FP	22.23543	-34.0395	133/255	0.000022	04/01/2016 00:00	253	201	9	Forest Plantations (Pine spp)	K20A	239.3	3	D	K20	K2	K	24662.01	2.466201	266.3497543
33	784	1329444	W043C027	FP	22.23536	-34.0382	134/255	0.000022	16/02/2015 00:00	253	201	9	Forest Plantations (Pine spp)	K20A	239.3	3	D	K20	K2	K	16266.13	1.626613	175.6742179



## Capacity-area Relationships Established for the Various Reliefs (15) of the Project Area



# How is Water Use Verified?

1. Review of permits, government notices, authorisations, Water Court orders, etc.
2. Preliminary ELU determination
3. (a) User is requested to apply, i.t.o. Section 35  
(b) Users can make representations
4. Final ELU determination
5. Final determinations can be appealed

## 35 Verification of existing water uses

(1) The responsible authority may, in order to verify the lawfulness or extent of an existing water use, by written notice require any person claiming an entitlement to that water use to apply for a verification of that use.

(5) No person who has been required to apply for verification under subsection (1) in respect of an existing lawful water use may exercise that water use-

- (a) after the closing date specified in the notice, if that person has not applied for verification; or
- (b) after the verification application has been refused, if that person applied for verification.

## 151 Offences

(1) No person may-

- (a) use water otherwise than as permitted under this Act;

- (g) fail to register an existing lawful water use when required by a responsible authority to do so;

# Verification: Stompdrift-Kamanassie WUA Information

## DEPARTMENT OF ENVIRONMENT AFFAIRS

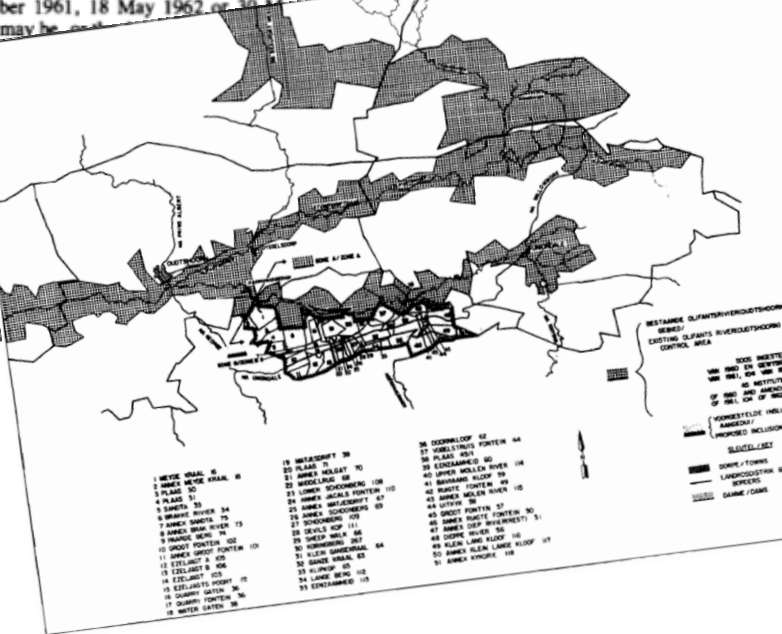
No. 2208 7 October 1983

OLIFANTS RIVER (OUDTSHOORN) GOVERNMENT WATER CONTROL AREA, DIVISIONS OF UNIONDALE, OUDTSHOORN, CALITZDORP, GEORGE, PRINCE ALBERT AND WILLOWMORE, CAPE PROVINCE.—CONTROL OVER THE ABSTRACTION AND USE OF PUBLIC WATER IN TERMS OF SECTION 62 OF THE WATER ACT, 1956 (ACT 54 OF 1956)—PRELIMINARY DETERMINATION IN TERMS OF SECTION 62 (2) (a) OF THE WATER ACT, 1956, IN RESPECT OF THE CATCHMENT AREAS OF THE STOMPDRIFT AND KAMANASSIE DAMS

In this notice, unless the context otherwise indicates—

“date of inclusion” of a piece of riparian land in the Area means 23 December 1961, 18 May 1962 or 30 September 1972, as the case may be; and

“existing irrigation development” means any irrigation system which forms part of the riparian land in the Area and which, in the 12 months preceding the date of inclusion of that piece of riparian land in the Area, was used for agricultural purposes with public water in terms of section 62 (1) (a) of the Water Act, 1956.



## DEPARTEMENT VAN WATERWESE

No. 2179 2 Oktober 1987

OLIFANTS RIVIER (OUDTSHOORN)-STAATSWATER-BEHEERGEBOED, AFDELINGS UNIONDALE, OUDTSHOORN, CALITZDORP, GEORGE, PRINS ALBERT EN WILLOWMORE, KAAPROVINSIE.—INSLUITING VAN SEKERE GEBIED

Ek, Jacob Albertus van Wyk, Adjunk-minister van Waterwese, handelende namens die Minister van Waterwese kragtens die bevoegdheid hom verleen by artikel 59

## DEPARTMENT OF WATER AFFAIRS

No. 2179 2 October 1987

OLIFANTS RIVER (OUDTSHOORN) GOVERNMENT WATER CONTROL AREA, DIVISIONS OF UNIONDALE, OUDTSHOORN, CALITZDORP, GEORGE, PRINS ALBERT AND WILLOWMORE, CAPE PROVINCE.—INCLUSION OF A CERTAIN AREA

I, Jacob Albertus van Wyk, Deputy Minister of Water Affairs acting on behalf of the Minister of Water Affairs under and by virtue of the powers vested in him by section

26 No. 10957 STAATSKOERANT, 2 OKTOBER 1987

No. 2180 2 Oktober 1987

OLIFANTS RIVIER (OUDTSHOORN)-STAATSWATER-BEHEERGEBOED, AFDELINGS UNIONDALE, OUDTSHOORN, CALITZDORP, GEORGE, PRINS ALBERT EN WILLOWMORE, KAAPROVINSIE:

- (a) INTREKING VAN GOEWERMENSKENNISGEWING 2208 VAN 7 OKTOBER 1983; EN
- (b) ALCHEMIE VERGUNNING KRAGTENS ARTIKEL 62 (2) (a) VAN DIE WATERWET, 1956, MET BETREKKING TOT DIE UITNEEM EN GEBRUIK VAN OPENBARE WATER VIR BESPROEINGSDOELENDE TEN OPSIGTE VAN DIE OPVANGGEBIEDE VAN DIE STOMPDRIFT- EN DIE KAMANASSIEDAM

Ek, Jacob Albertus van Wyk, Adjunk-minister van Waterwese, handelende namens die Minister van Waterwese kragtens die bevoegdheid hom verleen by artikel 62 van die Waterwet, 1956 (Wet 54 van 1956)—

- (a) trek hierby vanaf die datum van publikasie hiervan, Goewermenskennisgewing 2208 van 7 Oktober 1983, in en
- (b) verleen hierby vanaf die datum van publikasie hiervan, die vergunning in die Bylae hiervan uiteengesit, met betrekking tot die uitneem en gebruik van water vir besproeiingsdoeleinde uit enige openbare stroom binne die Olifantsrivier (Oudtshoorn)-staatswaterbeheergebied stroom op van die Stompdrift- en Kamanassiedam.

J. A. VAN WYK, Adjunk-minister van Waterwese.

### BYLAE

1. In hierdie Kennisgewing het enige uitdrukking waarvan in die Waterwet, 1956, 'n betekenis behorend, dieselfde betekenis en, tensy uit die samehang anders blyk, beteken—

- “bestaande besproeiingsontwikkeling” die oppervlakte wat deel uitmaak van 'n stuk grond binne die Gebied wat op datum van insluiting daarvan by die Gebied in die kantoor van die betrokke Registrateur van Aktes as 'n afsonderlike eiendoms geregister was, en wat na die Direkteur-generaal: Waterwese se oordeel te enige tyd gedurende die kwalifiserende tydperk wat ten opsigte van die Gebied van toepassing is, in die geheel of gedeeltelik, besy wetlik of onwetlik, met openbare water besproei is;
- “bestaande waterwerk” 'n waterwerk wat te enige tyd gedurende die tydperk van 12 maande wat die insluiting van 'n stuk grond in die Gebied onmiddellik voorafgegaan het, gebruik is vir die uitneem, opdamming, opgraving of gebruik van openbare water ten einde die geheel of 'n gedeelte van daardie stuk grond te besproei;
- “datum van insluiting” die datum waarop die Gebied tot 'n Staatswaterbeheergebied verklaar is of die datum waarop 'n stuk grond by die Gebied ingestuit word, na gelang van die geval;
- “die Gebied” die gedeelte van die Olifantsrivier (Oudtshoorn)-staatswaterbeheergebied wat stroom op van die Stompdrift- en Kamanassiedam geleë is;
- “die Wet” die Waterwet, 1956 (Wet 54 van 1956);
- “kwalifiserende tydperk” met betrekking tot die Gebied, die tydperk van 12 maande wat die datum van insluiting van 'n stuk grond in die Gebied onmiddellik voorafgegaan het.

24 No. 10957 STAATSKOERANT, 2 OKTOBER 1987

No. 2180 2 October 1987

OLIFANTS RIVER (OUDTSHOORN) GOVERNMENT WATER CONTROL AREA, DIVISIONS OF UNIONDALE, OUDTSHOORN, CALITZDORP, GEORGE, PRINCE ALBERT AND WILLOWMORE, CAPE PROVINCE:

- (a) REPEAL OF GOVERNMENT NOTICE 2208 OF 7 OCTOBER 1983; AND
- (b) GENERAL PERMISSION IN TERMS OF SECTION 62 (2) (a) OF THE WATER ACT, 1956, IN CONNECTION WITH THE ABSTRACTION AND USE OF PUBLIC WATER FOR IRRIGATION PURPOSES, IN RESPECT OF THE CATCHMENT AREAS OF THE STOMPDRIFT DAM AND THE KAMANASSIE DAM

I, Jacob Albertus van Wyk, Deputy Minister of Water Affairs, acting on behalf of the Minister of Water Affairs under and by virtue of the powers vested in him in terms of section 62 of the Water Act, 1956 (Act 54 of 1956)—

- (a) hereby repeal from the date of publication hereof, Government Notice 2208 of 7 October 1983; and
- (b) hereby grant from the date of publication hereof, the permission set out in the Annexure hereto in connection with the abstraction and use of water for irrigation purposes from any public stream within the Olifants River (Oudtshoorn) Government Water Control Area situated upstream of the Stompdrift and Kamanassie Dams.

J. A. VAN WYK, Deputy Minister of Water Affairs.

### ANNEXURE

1. In this Notice any expression to which a meaning has been assigned in the Water Act, 1956, has the same meaning and, unless the context otherwise indicates—

- “date of inclusion” means the date on which the Area was declared a Government water control area or the date on which a piece of land is included in the Area, as the case may be;
- “existing irrigation development” means the area comprising the portion of a piece of land within the Area which, on the date of its inclusion in the Area was registered in the office of the Registrar of Deeds concerned as a separate property and which, in the opinion of the Director-General: Water Affairs was irrigated in whole or in part, whether lawfully or unlawfully, with public water at any time during the qualifying period applicable to the Area;
- “existing water work” means a water work which was used for the abstraction, impoundment, storage or use of public water at any time during the period of 12 months immediately preceding the date of inclusion of a piece of land in the Area for the purpose of irrigating the whole or a portion of that piece of land;
- “piece of land” means a piece of land which, on the date of inclusion thereof in the Area, was registered as a separate surveyed unit in the office of the registrar of deeds concerned;
- “piece of land with existing irrigation development” with regard to the Area means a piece of land within the Area which—  
(a) was registered in the office of a Registrar of Deeds on the date of inclusion thereof in the Area; and  
(b) was wholly or partly irrigated with public water, whether lawfully or unlawfully at any time during the qualifying period.

daar ord, die nge- 59 (1) of the Water Act, 1956 (Act 54 of 1956), hereby declare that from the date of publication hereof the area described in the Schedule hereto shall, for the purpose of section 59 (1) (b) of the said Act, be included in the Olifants River (Oudtshoorn) Government Water Control Area.

J. A. VAN WYK, Deputy Minister of Water Affairs.

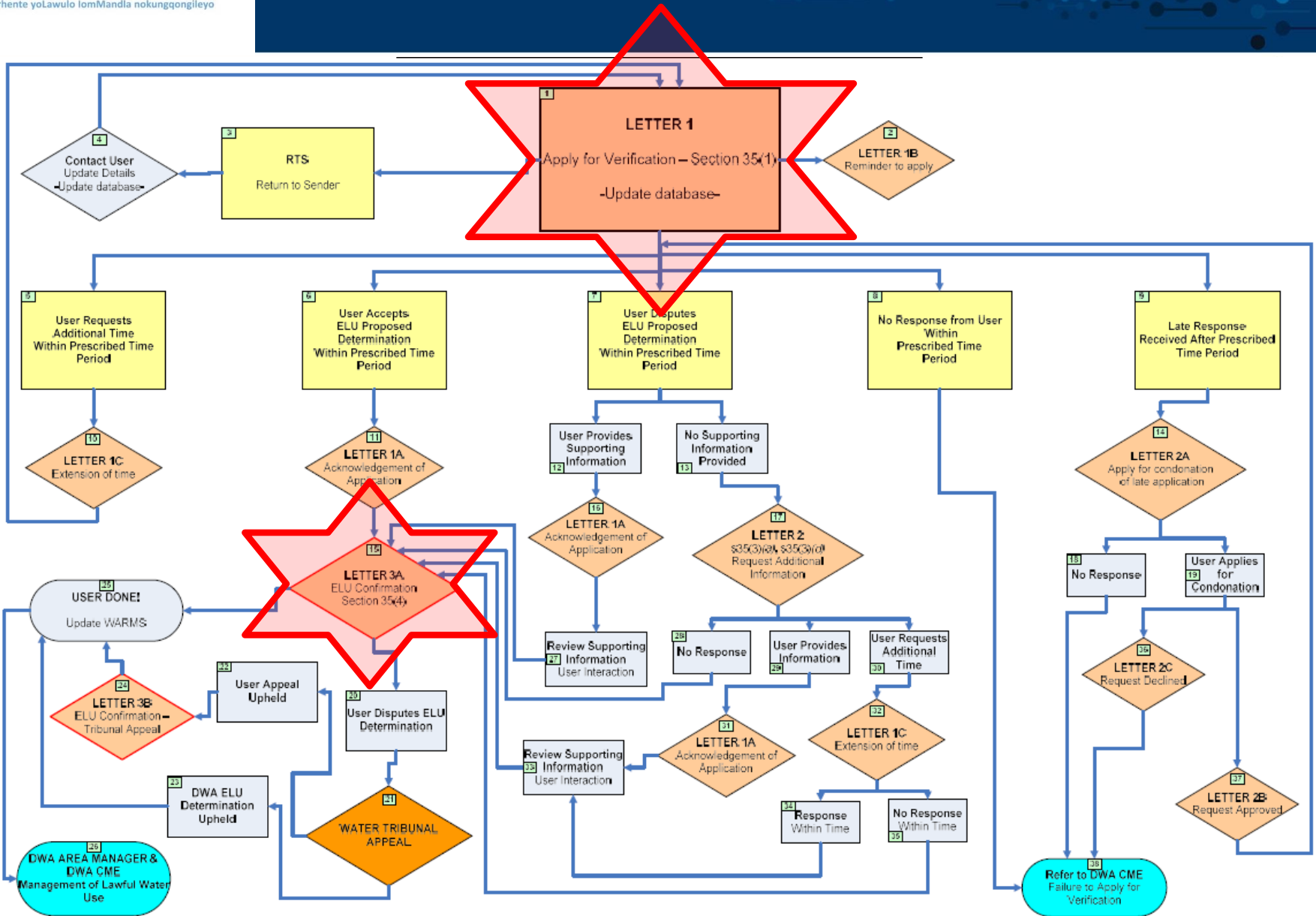
### SCHEDULE

DESCRIPTION OF THE AREA INCLUDED IN THE OLIFANTS RIVER (OUDTSHOORN) GOVERNMENT WATER CONTROL AREA, DIVISIONS OF UNIONDALE, OUDTSHOORN, CALITZDORP, GEORGE, PRINCE ALBERT AND WILLOWMORE, CAPE PROVINCE

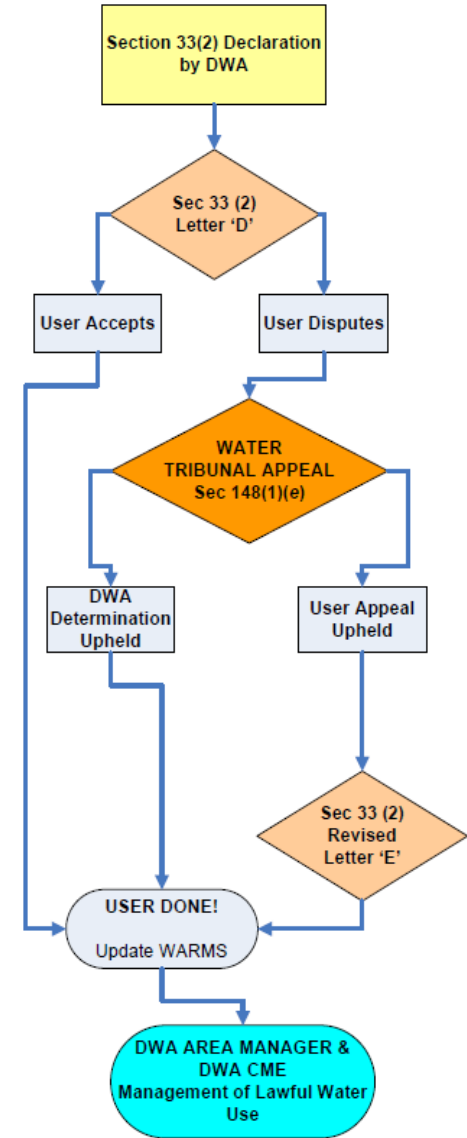
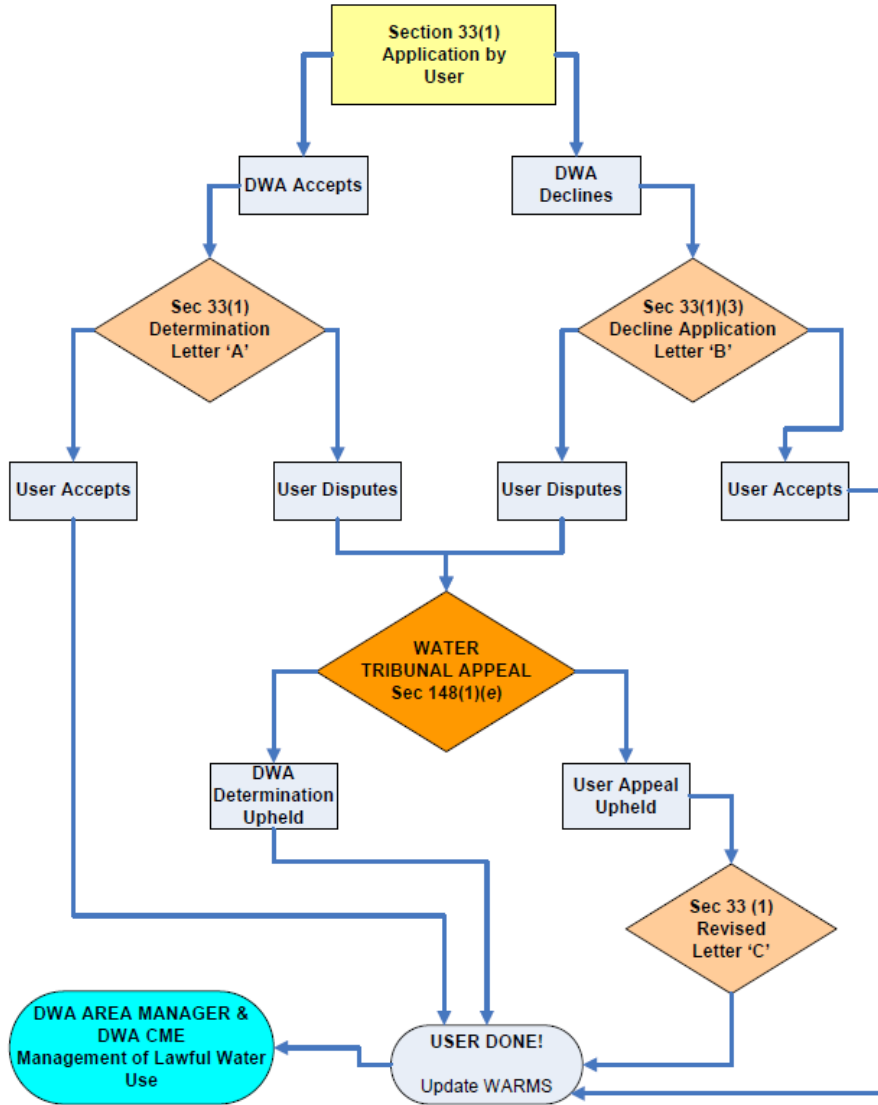
The following farms, with all subdivisions are shown in the control Area and the situation of the Area is included on the attached plan:

Meyde Kraal (Rest)	16
Annex Meide Kraal	18
Plas	30
Plas	31
Sandta	33
Brakke Rivier	34
Quarry Fontein	35
Quarry Gaten	36
Water Gaten	38
Maestdruif	39
Vogelstruif Fontein	44
Plas	45/1
Ruigte Fontein	49
Annex Ruigte Fontein	50
Annex Diep Rivier (Rest)	51
Dieppe Rivier	56
Groot Fontein	57
Uitkyk	58
Baviaanskloof	59
Eenzaamheid	60
Doornkloof	62
Ganze Kraal	63

# Section 35 Workflow



# Section 33 Workflow



## Example Letters:

- [Section 33](#)
- [Section 35\(1\)](#)
- [Section 35\(4\)](#)

# Project Correspondence



**E-Mail Authority**  
The Validation and Verification of Water Use in  
the Breede-Gouritz Water Management Area



I,

(Full Names).....,

(RSA Identity Number).....

in my capacity as water user / property owner / authorised  
representative for the following property(ies)

.....  
.....  
.....  
.....

do hereby consent that all correspondence in terms of section 35 of  
the National Water Act, 1998 (Act No 36 of 1998) can be submitted  
by the Breede-Gouritz Catchment Management Agency (BGCMA) or  
their agent, the Council for Scientific and Industrial Research (CSIR),

to my email address at:

.....

This is my preferred method of receiving and sending  
correspondence

Signature: .....

Date: .....

As Witness: ..... (signature and please print name)



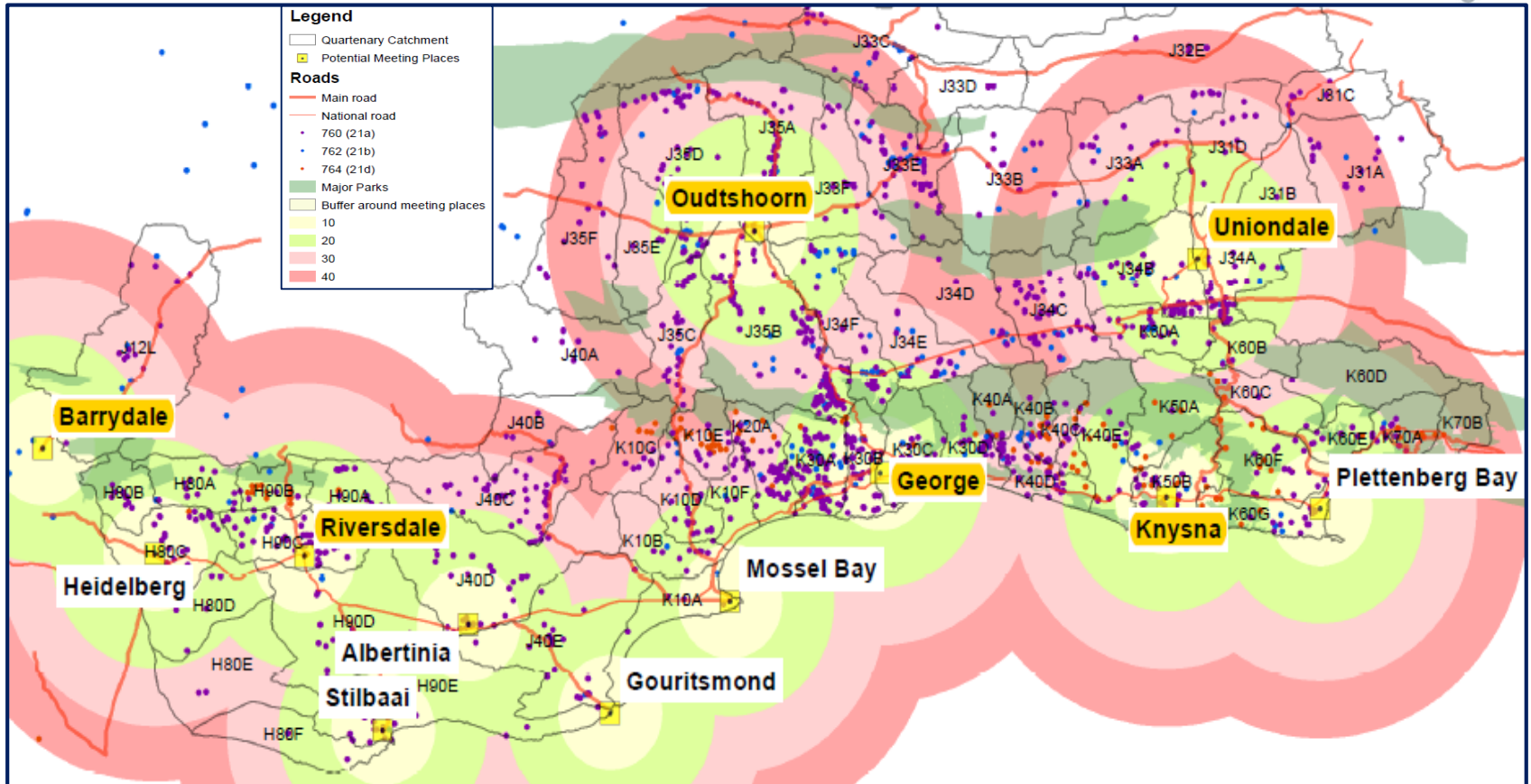
# Project Area Statistics

- 55 000 individual farm portions
- 2737 individual water use registrations
- There are 5690 dams, of which 25 have a capacity exceeding 500 000 m<sup>3</sup>
- 7 IBs/WUAs
- Total project objective – **4500 users** (registered & unregistered)
- Irrigation is the dominant use (>90% of all registered abstraction)

# Project Area Statistics

PRIMARY CATCHMENT	TERTIARY CATCHMENT	NO. WARMS REGISTERED
<b>H</b> (Gouritz)	80	104
	90	303
<b>J</b> (Gouritz & Olifants)	31	47
	32	45
	33	232
	34	324
	35	573
	40	229
<b>K</b> (Coastal)	10	114
	30	369
	40	130
	50	63
	60	139
	70	24
<b>J (Doring)</b>	12L	41
<b>TOTAL</b>		<b>2737</b>

# Registered Water Uses



# Interactions with Water Users

- **Level 1** – Project Information Meetings (April – October 2018)
- **Level 2** – Water User Representatives (April – June 2018)
- **Level 3** – Water Users (may be combined with Level 1; April – October 2018)
- **Level 4** – Project Information Sharing and Dissemination (letters, information documents, pamphlets)

# Water User Meetings

- **Localities** – Barrydale, Riversdale, Oudtshoorn, George, Knysna and Uniondale
- **Water User Associations/Irrigation Boards** – Separate individual meetings with the management
- **Water Users with more than 10 properties** – Separate individual meetings with the property owner(s)
- **Water Services Authorities & Providers** – Separate individual meetings with officials
- **Level 4** – Project Information Sharing and Dissemination (letters, information documents, pamphlets)

# Planning 01:

## General Information Roadshow Sessions for both s33 and s35 WUsers

Meeting Number	Locality	Venue	Address / Co-ordinates	Date
1	George	George Town Hall	71 York Street, George -33.961062, 22.454267	Tuesday, 21 August 2018
2	Uniondale	Uniondale Town Hall	39 Voortrekker Street, Uniondale -33.656357, 23.127327	Wednesday, 22 August 2018
3	Oudtshoorn	Boeresaal, Klein Karoo Koöperasie	Koöperasie Street (off Park Road), Oudtshoorn, -33.596094, 22.188227	Thursday, 23 August 2018
4	Barrydale	Municipal Library Hall	Bain Street, Barrydale -33.903741, 20.722086	Tuesday, 28 August 2018
5	Riversdale	Thusong Centre	53 Van Den Berg Street, Riversdale -34.093604, 21.260390	Thursday, 30 August 2018
6	Knysna	Knysna Town Hall	Clyde Street, Knysna -34.037526, 23.049829	31 August 2018

# Planning 02:

## Water User Meeting Programme: WUA/Scheduled Users

Meeting Number	WUA/IB	Venue	Locality	Estimated User Numbers	Date
1	Stompdrift-Kamanassie WUA	Boeresaal, Klein Karoo Kooperasie	J35C, Oudtshoorn	150	19 July 2018
2	Jan Fourieskraal WUA Gamkarivier IB	TBC	J35F, Oudtshoorn	???	TBC
3	Korente Vette IB Grootbosberg IB	TBC	J40D, Riversdale H90C, Riversdale	???	TBC
5	Maalgate WUA <b>Modderrivier IB???</b>	TBC	K30C, George <b>K30B</b>	???	TBC
6	Duiwenhoksrivier IB	TBC	H80A, Heidelberg	???	TBC
?	<b>Meirings River Irrigation District???</b>	GN 125 of 1969	<b>Oudtshoorn</b>	???	TBC

# Planning 03:

## Water User Meeting Programme: Municipalities / Water Services Authorities and Providers

Meeting Number	Municipality	Venue	Quaternary Catchments	Estimated Volumes	Proposed Date
1	Mossel Bay (WC043)	TBC			
2	Hessequa (WC042)	TBC			
3	Oudtshoorn (WC045)	TBC			
4	George (WC044)	TBC			
5	Bitou (WC047)	TBC			
6	Knysna (WC048)	TBC			

# Planning 04:

## Water User Meeting Programme: Multiple Property Owners

Meeting Number	Locality	Venue	Quaternary Catchments	Estimated User Numbers	Proposed Date
1	Barrydale	TBC	J12L	70	Mid-July 2018
2	Riversdale	TBC	H80, H90, J40	650	Late-July to early-August 2018
3	Oudtshoorn	TBC	J33, J34, J35, J40	1300	Late-August 2018
4	George	TBC	J34, J35, K10, K30, K40	600	
5	Uniondale	TBC	J31, J33, J34, K60	600	Mid- to late-September 2018
6	Knysna	TBC	K30, K40, K50, K60, K70	250	

# Take Home Messages

- (1) Provide tangible evidence of your QP water uses (documents, photographs, etc)
- (2) Note and adhere to the deadlines stipulated in your s35(1) letters when you receive these.
- (3) WUsers risk losing their WU entitlements should they not have their WUses verified. Continuation of the unverified use would then be unlawful.
- (4) WUsers are requested and advised to please contact the project team using the project email address if they have not provided the project team with their contact details or have not been contacted by the project team.