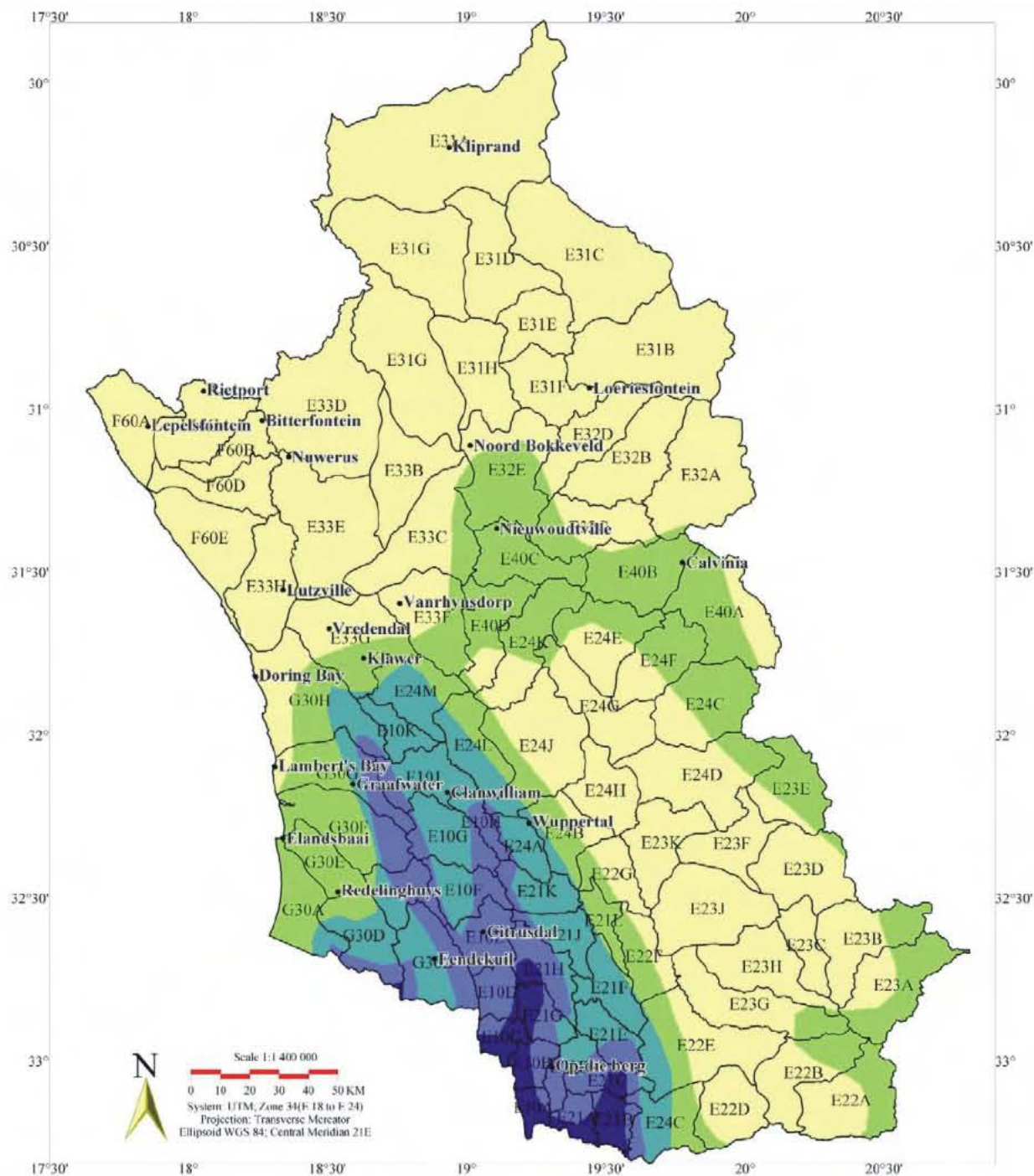


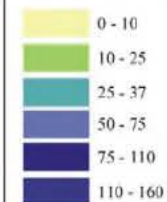


LEGEND

• Towns

Quaternary Catchments

Rate of Recharge(mm per annum)



PROJECT NAME

INTERNAL STRATEGIC
PERSPECTIVE
(OLIFANTS DORING)

CLIENT



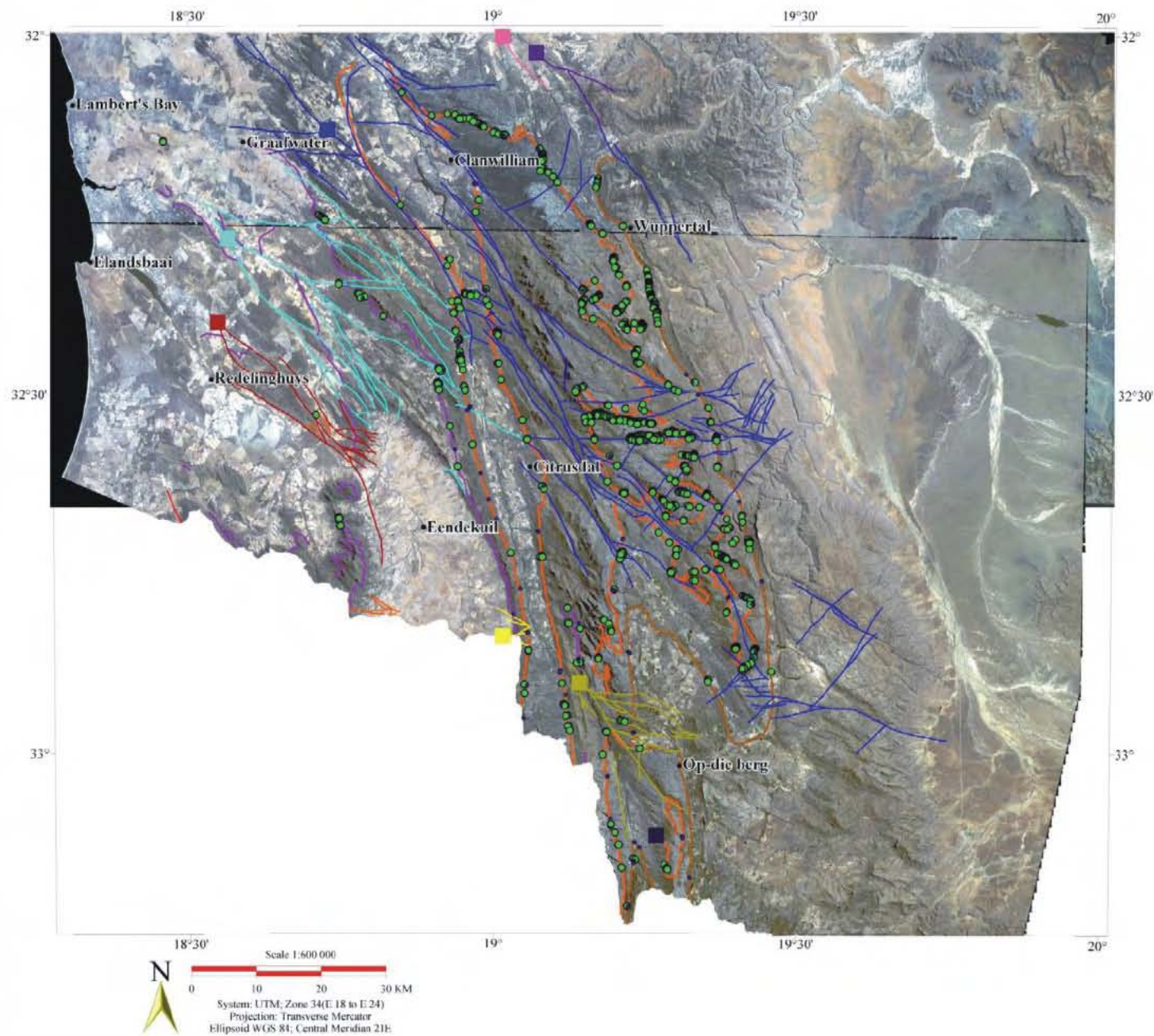
CONSULTANT

UMVOTO

TITLE

RECHARGE
TO GROUNDWATER

FIGURE 9



LEGEND

- Towns
- Low Rank Vegetation Anomaly
 - 3 - 5
 - 5 + 5
- Fracture End Points
 - 1
 - 12
 - 14
 - 2
 - 3
 - 5
 - 6
 - 7
- Fracture Connectivity
 - 1
 - 12
 - 14, 15
 - 2
 - 3
 - 4
 - 5
 - 6
 - 7
 - 8
- Geology Contacts
 - NARDOUW, BOKKEVELD
 - PENINSULA, CEDARBERG
 - PIEKENIERSKLOOF, GRAAFWATER

PROJECT NAME

INTERNAL STRATEGIC
PERSPECTIVE
(OLIFANTS DORING)

CLIENT



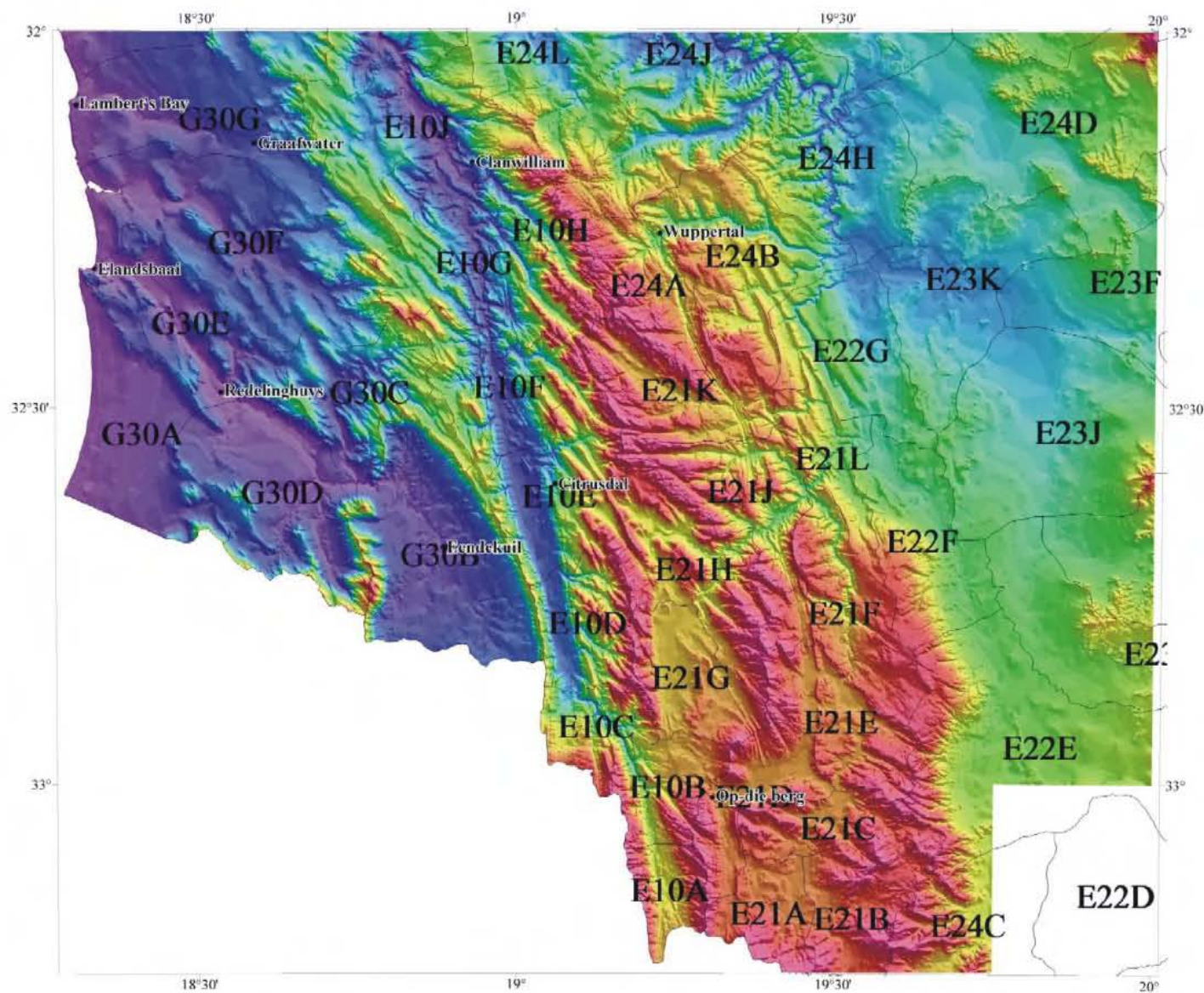
CONSULTANT

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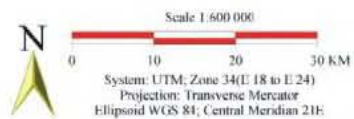
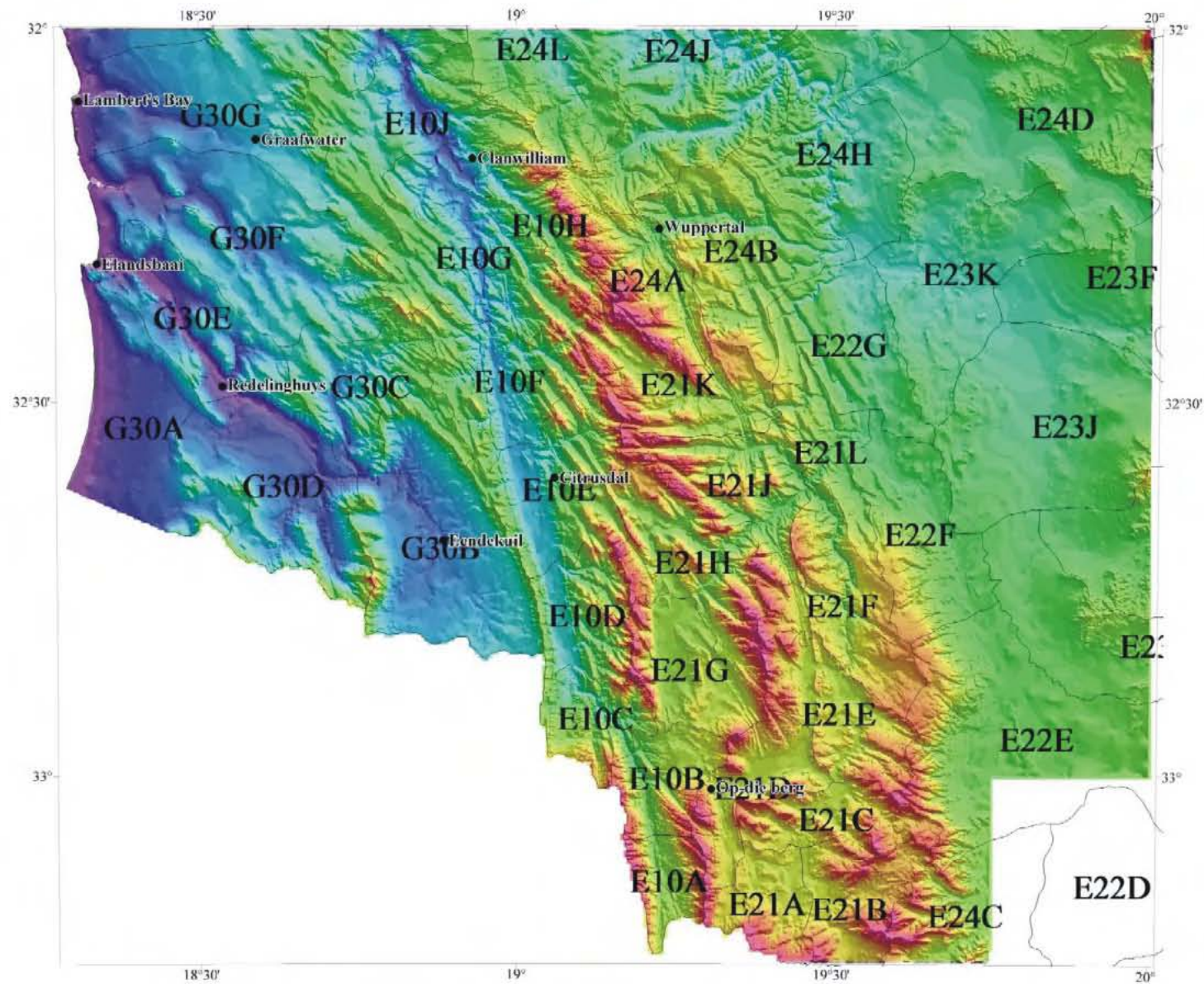
TITLE

FRACTURE CONNECTIVITY
&
VEGETATION CHANGE
ANALYSIS

FIGURE 10



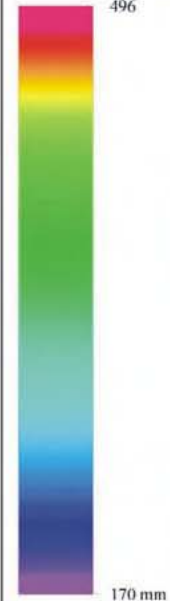
LEGEND - Towns - Quaternary Catchments 1374 166 mm	
PROJECT NAME INTERNAL STRATEGIC PERSPECTIVE (OLIFANTS DORING)	
CLIENT 	
CONSULTANT UMVOTO	
TITLE RAINFALL MODEL (from elevation) FIGURE 11a	



LEGEND

• Towns

Quaternary Catchments
496



PROJECT NAME

INTERNAL STRATEGIC
PERSPECTIVE
(OLIFANTS DORING)

CLIENT



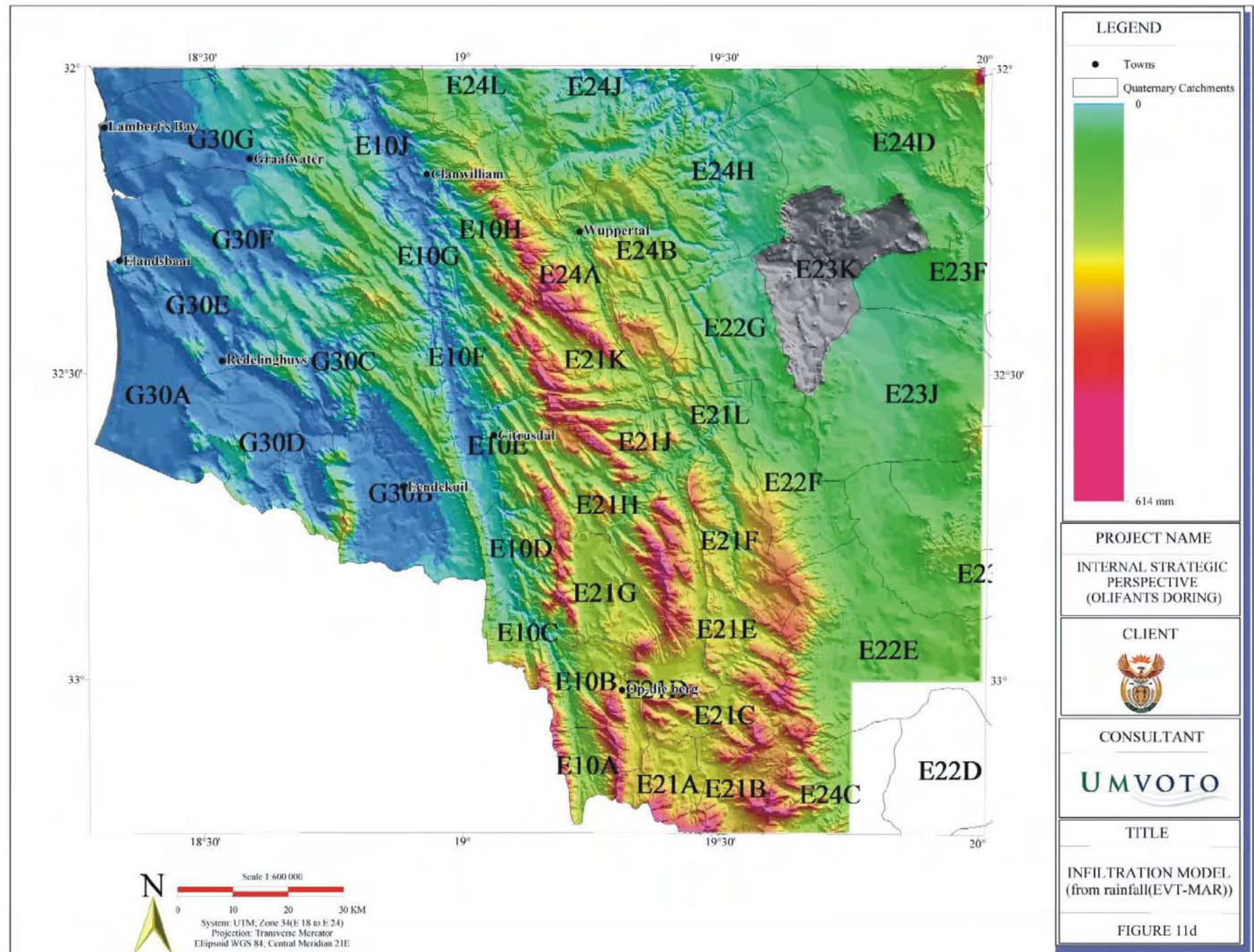
CONSULTANT

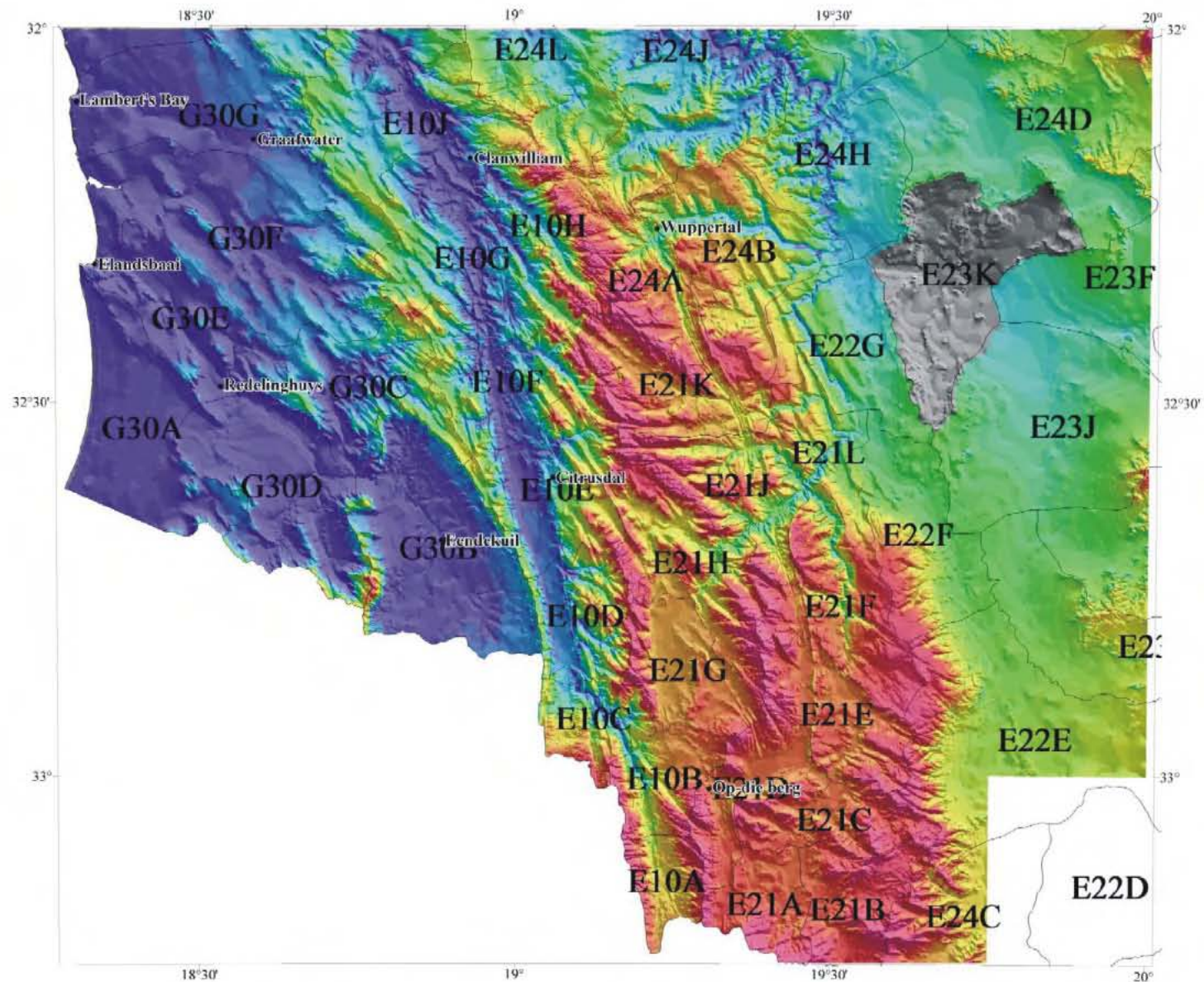
UMVOTO

TITLE

EVT MODEL
(Avg Temp Max May to August)

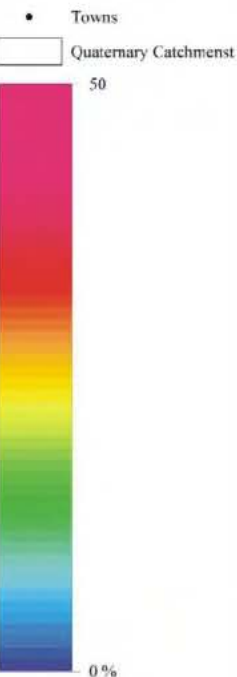
FIGURE 11c





N
 Scale 1:700 000
 0 10 20 30 KM
 System: UTM, Zone 34(E 18 to E 24)
 Projection: Transverse Mercator
 Ellipsoid WGS 84; Central Meridian 21E

LEGEND



PROJECT NAME

INTERNAL STRATEGIC
PERSPECTIVE
(OLIFANTS DORING)

CLIENT



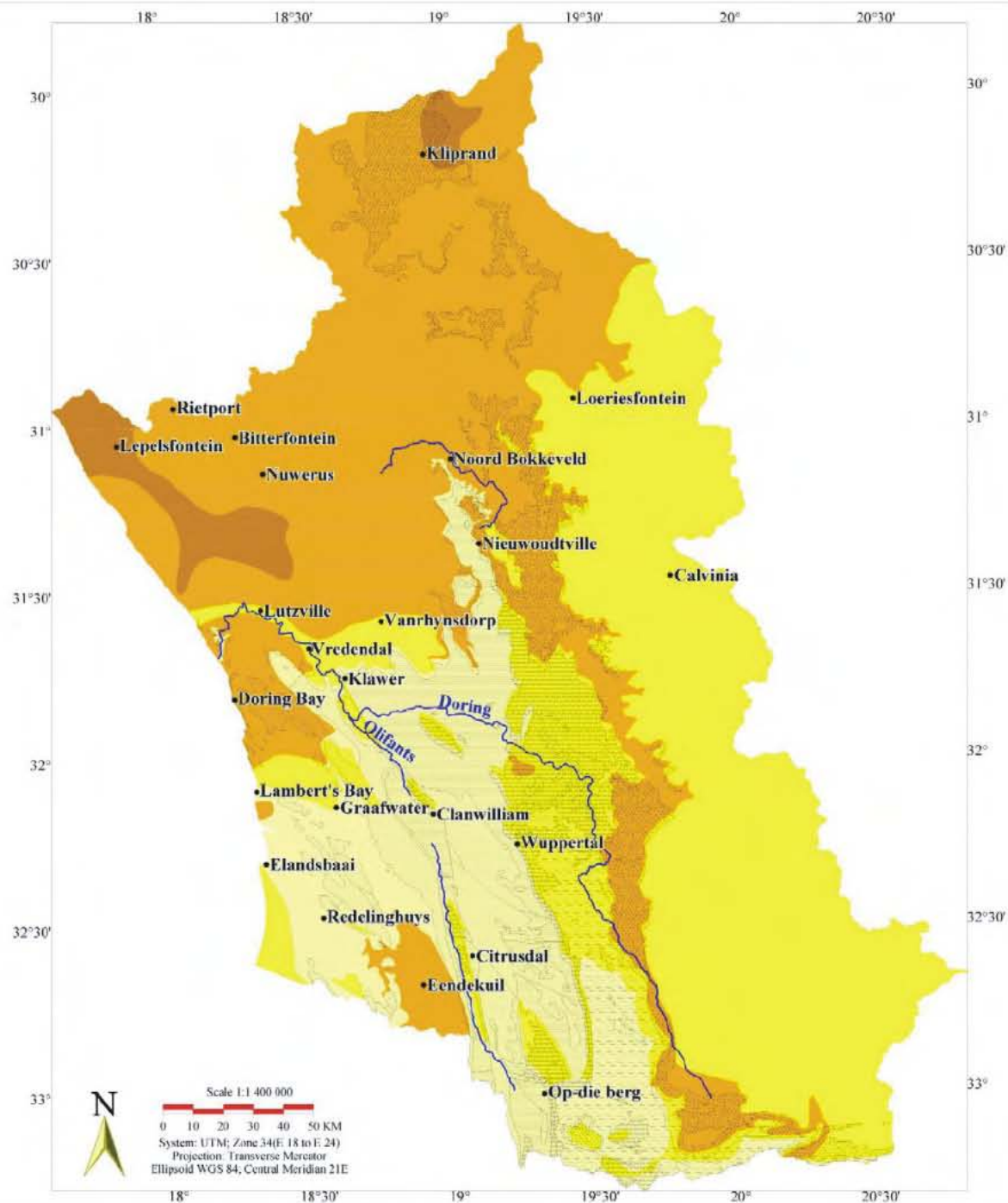
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TITLE

INFILTRATION PERCENT
(Infiltration/Rainfall*100)

FIGURE 11e



LEGEND

• Towns

— Rivers

Groundwater Quality

0 - 70 mS/m

70 - 300 mS/m

300 - 1000 mS/m

> 1000 mS/m

Selected Lithologies

Dwyka Formation

Witteberg Group

Bokkeveld Group

Nardouw Subgroup

Peninsula Formation

Table Mountain Group

PROJECT NAME

INTERNAL STRATEGIC
PERSPECTIVE
(OLIFANTS DORING)

CLIENT



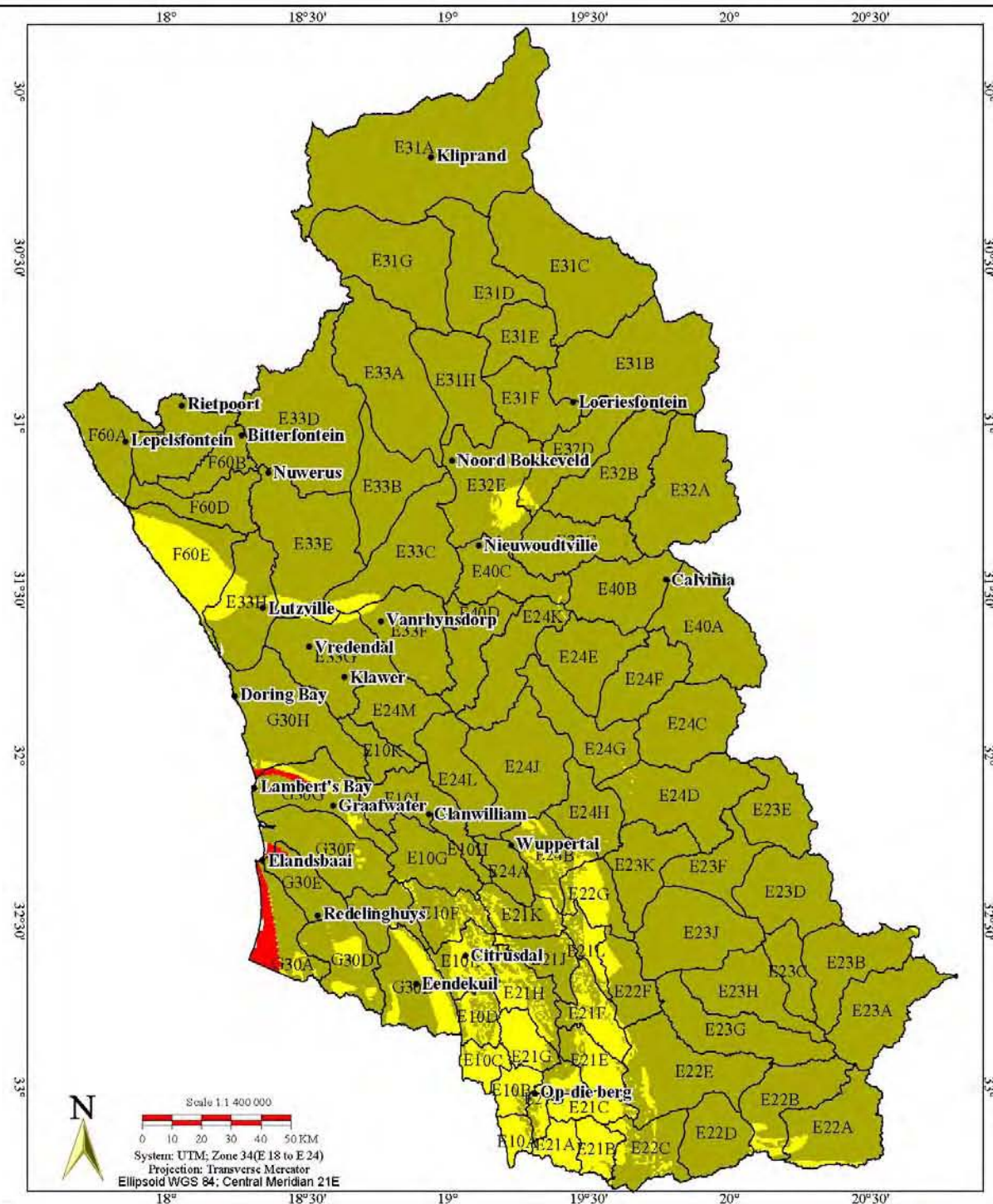
CONSULTANT

UMVOTO

TITLE

GROUNDWATER QUALITY

FIGURE 12



LEGEND

- Towns
- Quaternary Catchments

Aquifer Vulnerability

- Least
- Moderate
- Most

PROJECT NAME

INTERNAL STRATEGIC
PERSPECTIVE
(OLIFANTS DORING)

CLIENT



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TITLE

AQUIFER VULNERABILITY

FIGURE