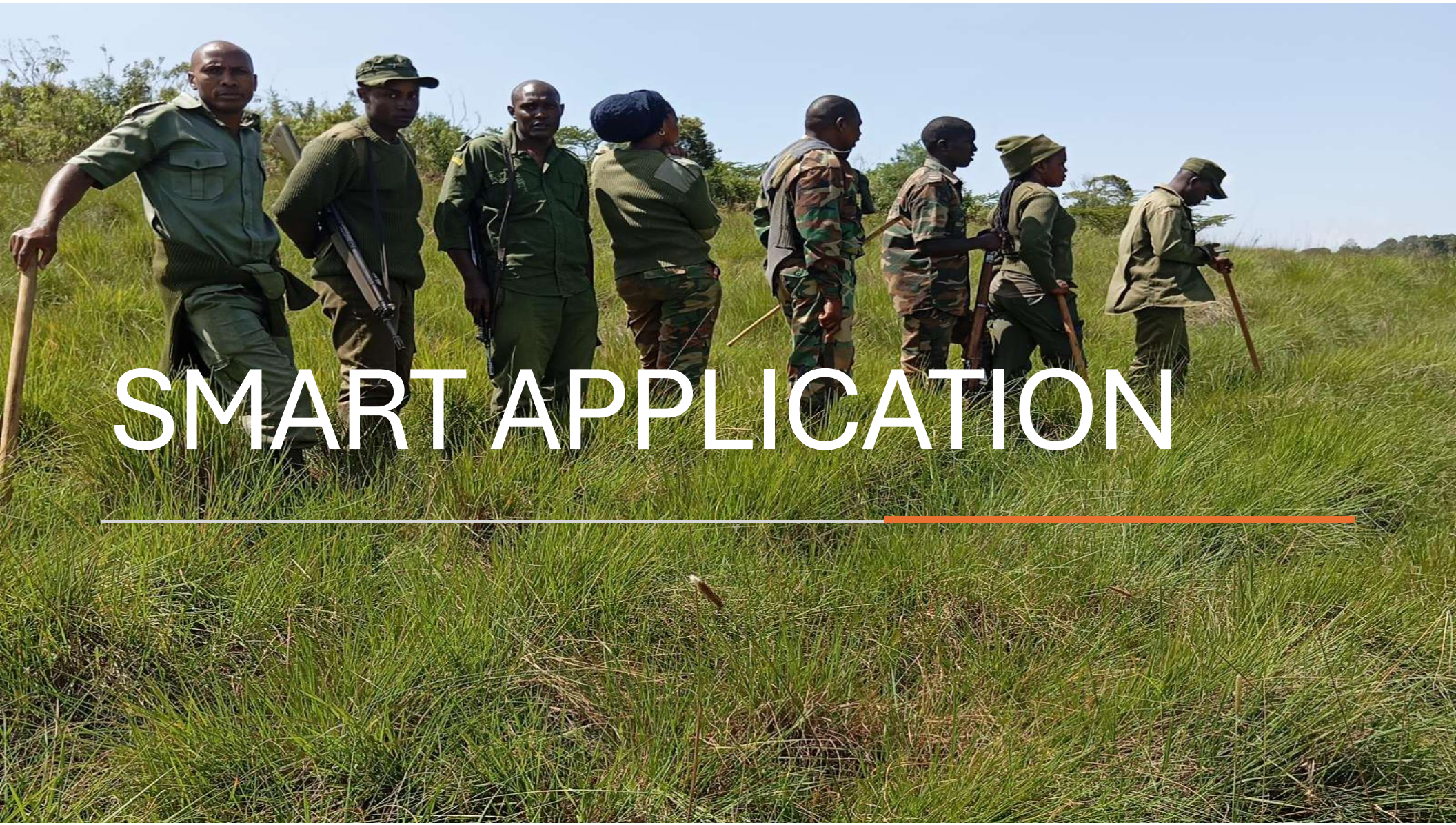


SMART APPLICATION

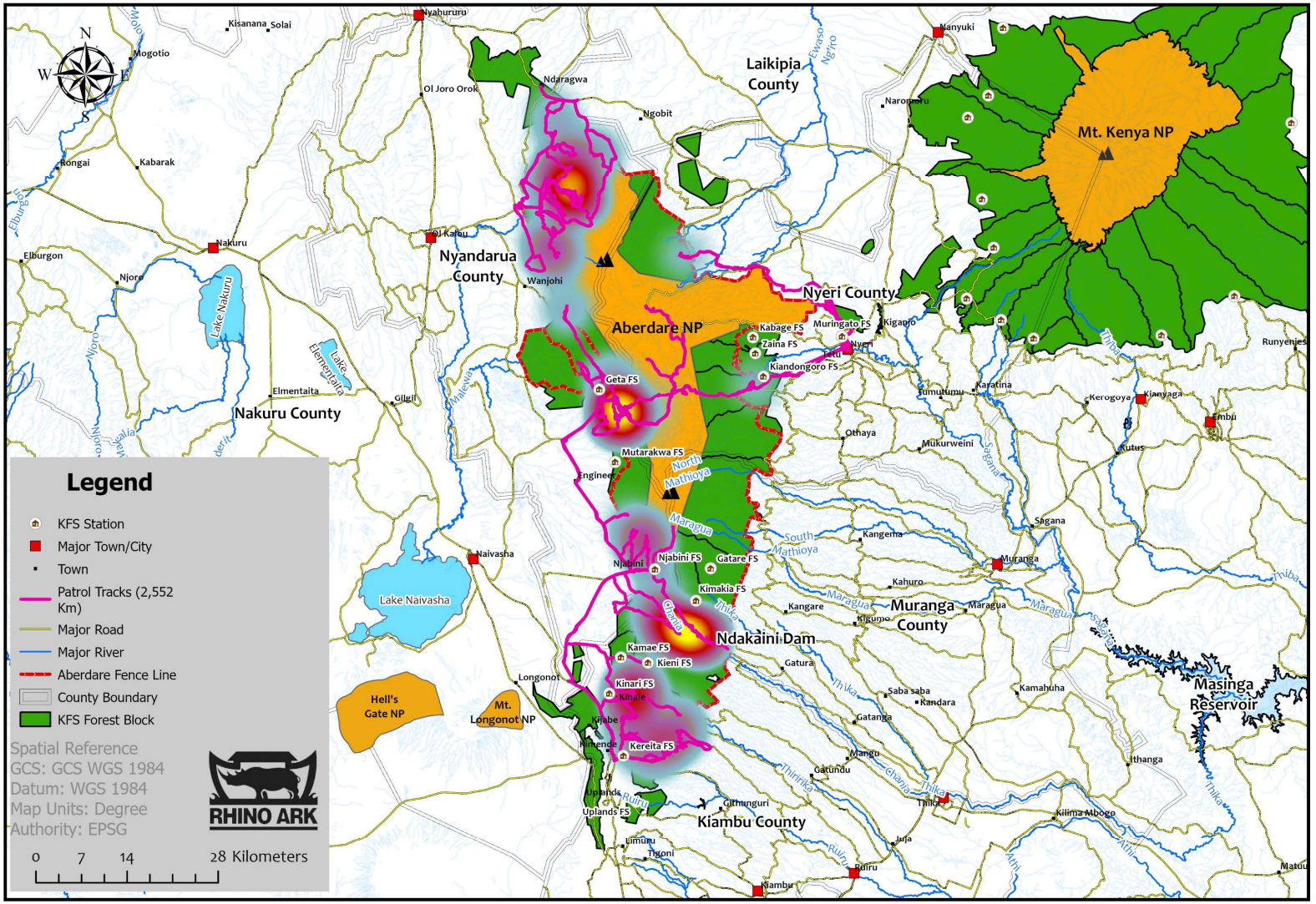
What is SMART?

- It's an acronym for Spatial Monitoring and Reporting Tool.
- SMART is a tool that assists protected area managers to collect and analyse field data for purposes of making informed decisions.
- There are 3 components to SMART i.e SMART Desktop, SMART Mobile and SMART Connect.

How is SMART used for law enforcement monitoring?

- Ranger Patrols- The teams go for their patrol and record what they see for example snaring, logging and wildlife observations.
- Data Input- The data collected is processed and stored in the SMART database.
- Analysis and Reporting- Data is processed into charts, tables and maps showing the patrol effort, coverage and results from the patrols.
- Feedback and evaluation- Meetings held with the JSU teams to discuss the patrol effort, effectiveness and results.
- Strategic Planning- Managers, rangers and other stakeholders plan adaptive patrol strategies based on analysis of previous results and set patrol targets. These targets are then communicated to the JSU teams.

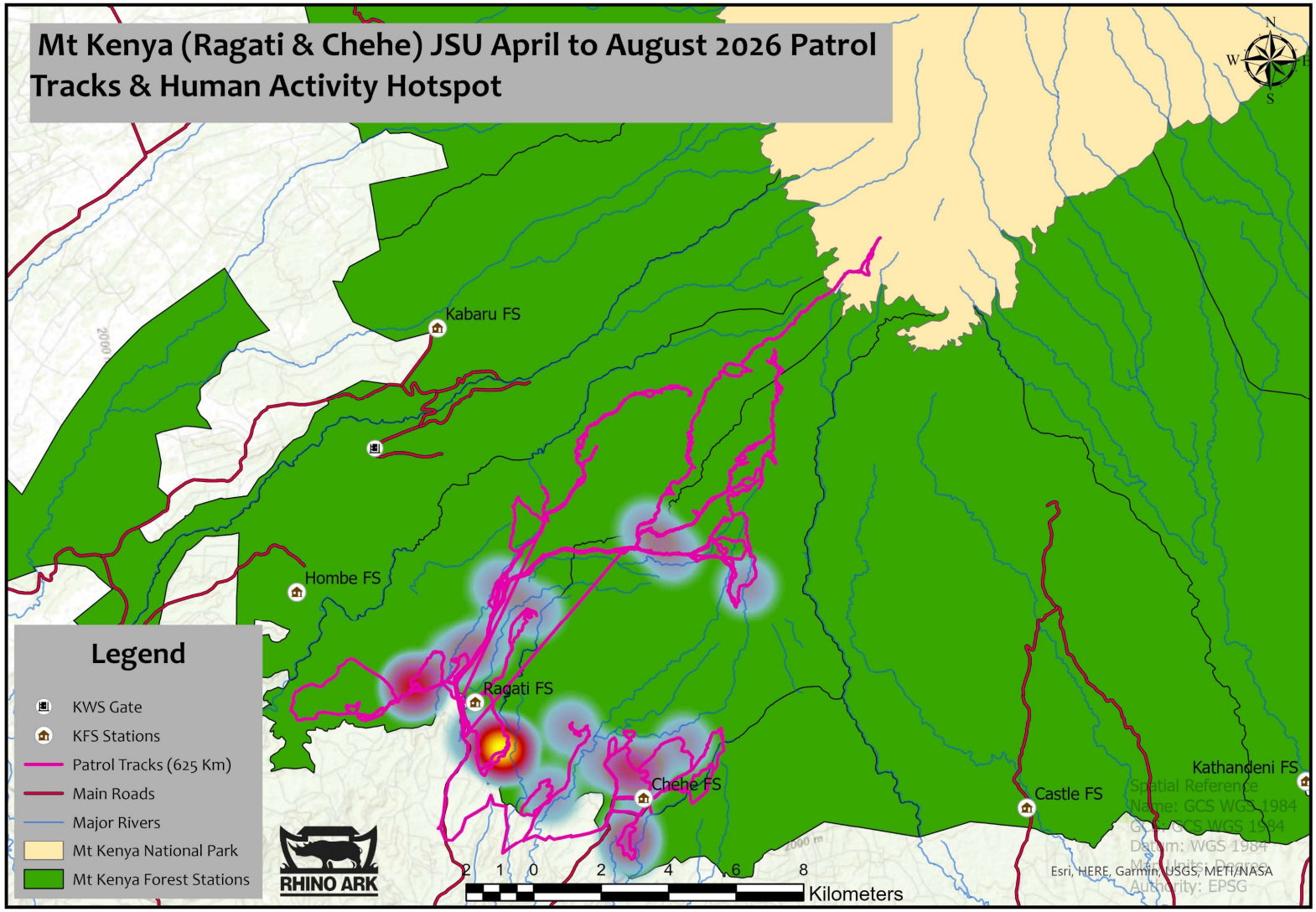
ABERDARES JSU APRIL TO AUGUST 2026 PATROL TRACKS & HUMAN ACTIVITY HOTSPOTS



Aberdares Human Activity Observations



Human Activity	Human Activity Count
People - indirect sign	61
Timber	52
Traps & Snares	26
Domestic Animals	26
People - direct observation	6
Fire	4
Pollution	3
NTFPs	2
Weapons and gear seized	2
Poacher Camp	2
Grand Total	**184**

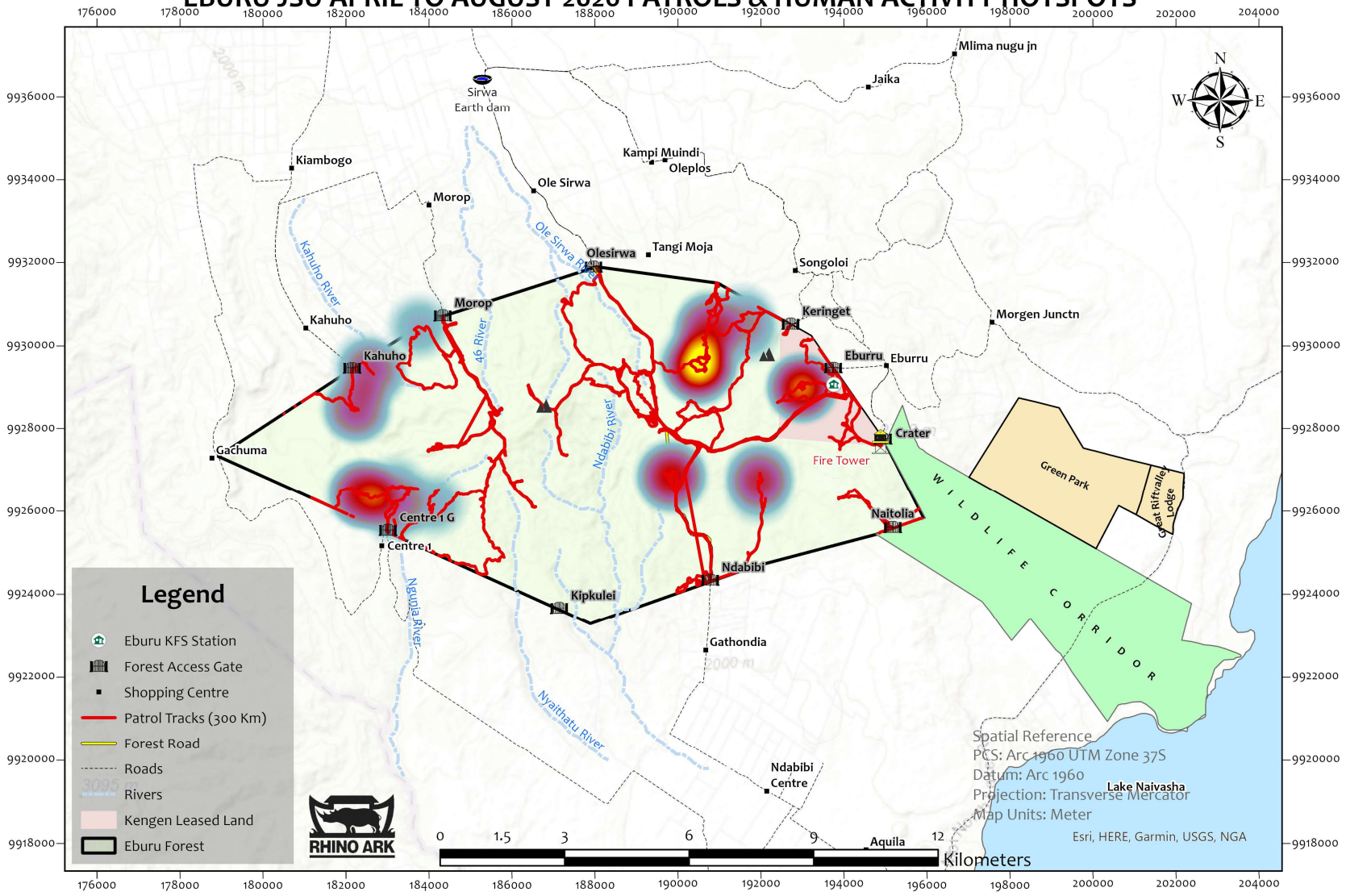

Mt Kenya (Ragati & Chehe) JSU April to August 2026 Patrol Tracks & Human Activity Hotspot
N
W
E
S
Kabaru FS
Hombe FS
Ragati FS
Chehe FS
Castle FS
Kathandeni FS
Legend
KWS Gate
KFS Stations
Patrol Tracks (625 Km)
Main Roads
Major Rivers
Mt Kenya National Park
Mt Kenya Forest Stations
RHINO ARK
2 1 0 2 4 6 8
Kilometers
Esri, HERE, Garmin, USGS, METI/NASA

Mt. Kenya (Ragati & Chehe) Human Activity Observations



Human Activity	Human Activity Count
People - indirect sign	9
Domestic Animals	8
Traps & Snares	5
People - direct observation	1
Timber	1
Grand Total	**24**

EBURU JSU APRIL TO AUGUST 2026 PATROLS & HUMAN ACTIVITY HOTSPOTS

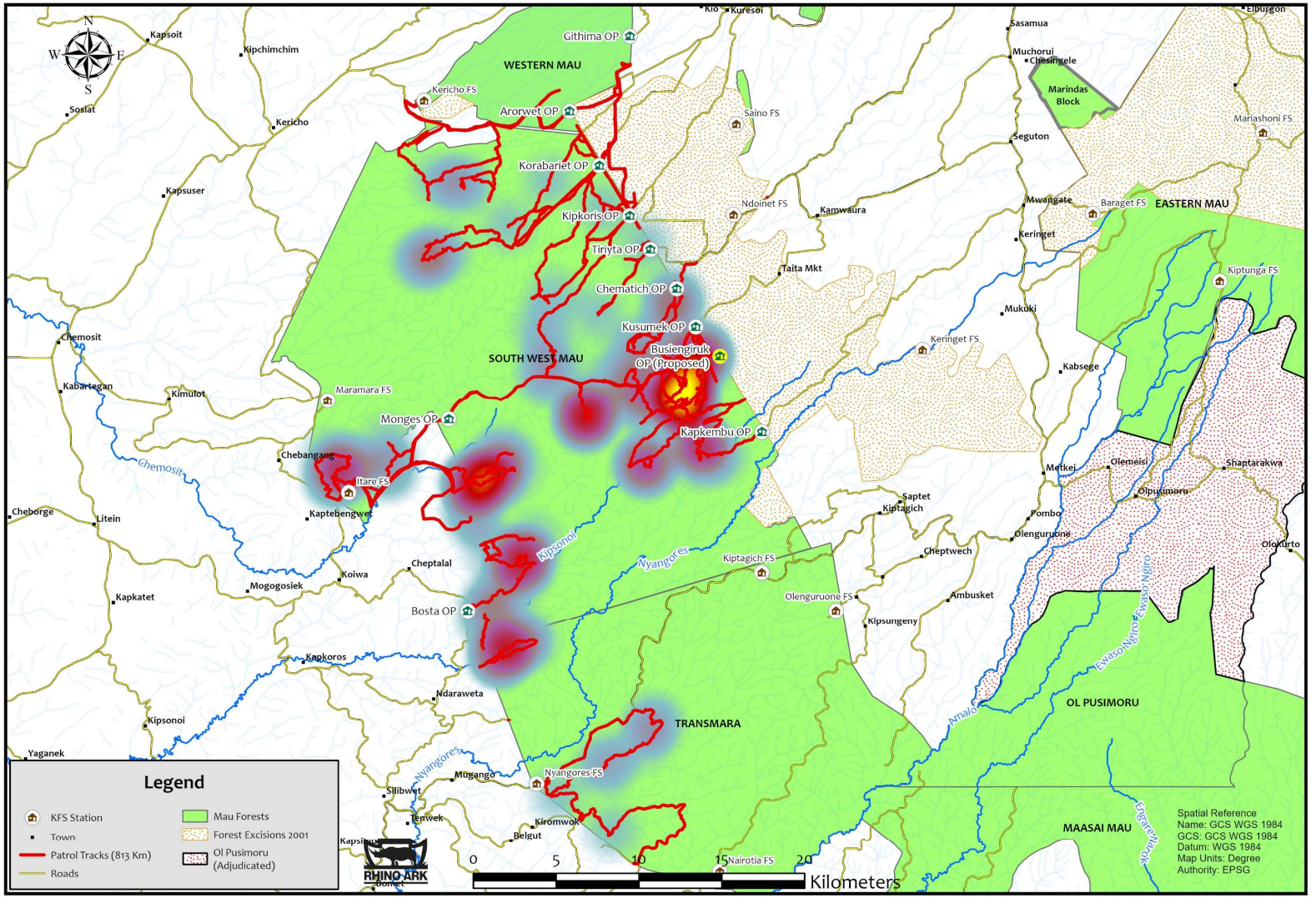


Eburu Human Activity Observations



Human Activity	Human Activity Count
Traps & Snares	32
People - indirect sign	4
Timber	3
Illegal Cultivation	3
People - direct observation	2
Transportation	1
Poacher Camp	1
Grand Total	**46**

SW MAU JSU APRIL TO AUGUST 2026 PATROL TRACKS & HUMAN ACTIVITY HOTSPOTS



SW Mau Human Activity Observations



Human Activity	Human Activity Count
Timber	44
Traps & Snares	28
Poacher Camp	21
People - indirect sign	11
People - direct observation	9
NTFPs	8
Domestic Animals	7
Illegal Cultivation	1
Grand Total	**129**

CHALLENGES

- Missing data – The teams at times fail to capture all observed incidents.
- Blank Fields – Tree species, number of snares



Conclusion & Recommendations

- There needs to be a feedback loop to improve data collection and patrol effectiveness.
- Giving Incentives to the teams to boost morale and improve data collection.
- Expansion of SMART use to other areas like fence monitoring and surveys.



THANK YOU!