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Tsavo Trust film clip: <u>https://www.youtube.com/watch?v=qGgM6-gqZ0E&t=270s</u>

# **APRIL 2024 MONTHLY REPORT**



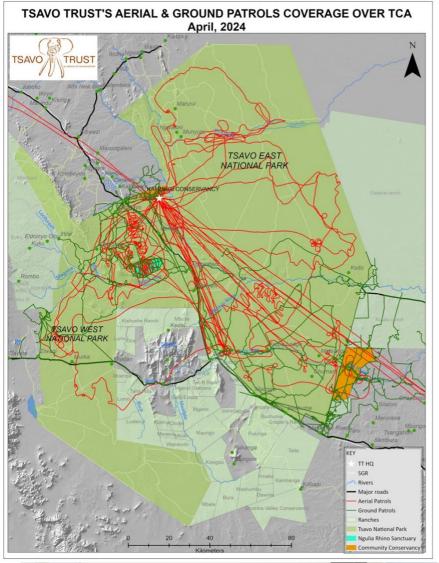
The image above captures the Tiva River twisting and turning through a lush Tsavo landscape. In April, heavy rainfall in the catchment areas caused the river's water levels to rise significantly. Tsavo itself received substantial rainfall with the Tsavo Trust HQ recording 107mm of rain. Photo Credit: Tsavo Trust – Nick Haller.

# TSAVO TRUST SUMMARY of ACTIVITIES:

WILDLIFE CO	<b>NSERVATION P</b>	<b>ROGRAM:</b> Big Tusker Project	-Aeria	& Ground Activiti	ies	
Acti	ivity	Hours Flown		Kilomet	ers Covered	
Aer	ial Unit	<b>48</b> (233 for year) Average 139km p/h of low-level t	light	<b>6,909</b> (32,551km for year) Flights carried out jointly with KWS staff		
Rhine	o Aerial Patrols	Aerial Patrols: 21 (6 TWNP; 1 (79hrs for year to date)	TENP)	Aerial: 2,505 (9,069km for year)		
		Field Patrol Days		Kilomet	ers Covered	
Ground Protection Activities (Joint with KWS / TT & Community Scouts)		Protection teams: 180 days (726 to Monitoring teams: 141 days (582 to		Vehicle patrols: 15,7 Foot patrols: 1,237ki Monitoring teams: 1		
Big Tus	sker Project	5 Tuskers – 1 Super Tusker bull (Nil sight		, 4 emerging bulls (7 vidual observations		
Collared Elephant Joint KWS/STE/T	0 0	<b>3 sightings:</b> record forms su	lbmitted t	o STE (aerial and gro	ound observations)	
Ivory recovered		6 elephan	tusks (2	9 for the year to date	2)	
Elephant mortali	ity	Fresh: 3 (Less than 3 weeks old) (c of d: 2 natural; 1 HEC)	(Les	Recent: Nil s than 3 months old)	<b>Old:</b> Nil (More than 3 months old)	
High Value Spec	C	Ongoing partner with WRTI / K Grevy's zebra, large carnivore	s, Roadki	ll Surveys, Southern	Ground Hornbill etc	
Wildlife - Treatm	ient &	Venomous snakes re-located from co	ommunitie	s: 2 Red–spitting cobras;	1 small-scaled burrowing asp	
Translocation		Others: Nil				
Poacher camps/h	hides	Fresh – Nil			ent – Nil	
Arrests – joint K	WS/TT	6 – 3 bushmeat poachers; 1 ivory poacher; 1 charcoaler & 1 for collecting firewood inside Park (25 for the year to date)				
Snares/traps reco	overed	24 by Tembo Teams: 125 snares for the year to date (58 small; 67 medium; Nil large)				
Bushmeat recove	eries	<b>28kg</b> (292kg for the year to date)				
(wet & dried)				's gazelle.		
Poachers Equip.		1 machete, 2 lamping horns,		*		
Night Ambushes		Joint KWS / TT: 9 (Bachuma; Kar				
Firefighting		Nil - (No Fire outbreaks reported within TW or TE.)           Joint TT-KWS team: 4 HEC responses. 5 elephants were driven from farms in Mtito Andei and				
Human Elephan	-	180 elephants were driven from farms in Shirango. 11 active cattle bomas (4,570 cattle; Nil shoats; 11 people)				
Illegal Livestock					1 1 /	
Written reports to		84 (daily Situation report			· ·	
TT Staff Trainin	0	2 TT Officers Masters training; 2 KWS Officer Masters training; 1 TT Officer Bachelors 107mm. Total rainfall to date for 2024: 207mm				
TT HQ Rainfall	, 0					
Significant notes						
COMMUNITY	CONSERVANCY					
Kamungi Conservancy Located: Northern boundary TWNP Triangle TT has played a stewardship role and partnered with KC since 2014 Kamungi Conservancy Kamungi Conservancy Located: Southeast boundary TENP Thas played a stewardship role and partnered with KC since 2014						
FORMAL FIEL	D CONSERVAT	ION PARTNERS PROGRAM	: (Full list o	f supporters/partners show		
KENYA WILDLIFE SERVICE	ZSL FOR WILDLIFE SAVE TH	E ELEPHANTS			Kamungi Conservancy	
SAND DAMS WORLDWIDE	Restore Rebuild Regreen	Sand Dam Foundation	DLIFE EARCH AINING ITUTE Ver Beyond		"Yr co <sup>45</sup>	

# Aerial Reconnaissance and Ground Patrols - Areas Covered:

- Aerial patrolling is a vital conservation tool providing "eyes in the skies" and directional guidance to ground units who provide "eyes and ears" on the ground. The combination of both is effective.
- All aerial patrols and ground patrols are carried out jointly KWS/TT and recorded with all relevant real-time observations relayed to KWS daily for rapid actions and for their records.



#### The map shows Tsavo Trust's flight paths in **RED** and ground patrol paths in GREEN over the TCA this month.

*Note:* The Tsavo Parks are huge comprising 22,000km<sup>2</sup> (TENP, TWNP & CHNP) and then a further 20,000km<sup>2</sup> totaling 42,000km<sup>2</sup> to form the Tsavo Conservation Area (TCA).

*Aerial: 48 hours* flown covering *6,909 kilometers* over Tsavo in support of KWS.

Ground: 1,169 kilometers of foot patrol and a further 30,635 kilometers of vehicle patrol in Tsavo to support KWS.

Activities covered: Air & ground security patrols; Big Tusker monitoring; Rhino related activities; Locating illegal activities; Wildlife monitoring; Aerial census & telemetry tracking & Community Conservancy aerial and ground activities.

The photo below shows Kamungi Conservancy Board Members at TTWCA's AGM held at Voi Wildlife Lodge on April 15, 2024. Tsavo Trust catalyzed the establishment of Kamungi and Shirango Conservancies, ensuring local communities' inclusion and involvement in conservation matters. Photo Credit: Tsavo Trust – Simeon Mwadilo.



### Field Key Notes & Observations:

• Table 2: Elephant Carcasses Observed: Shows fresh, recent and old elephant carcasses observed:

Date	No.	Fresh	Recent	Old	Cause of Death	Location
01/04/2024	1	1	-	-	HEC, KWS/TT retrieved 2 tusks	Shirango - Saruji
04/04/2024	1	1	-	-	Natural, KWS/TT retrieved 2 tusks	TENP – Dakota
10/04/2024	1	1	-	-	Natural, KWS/TT retrieved 2 tusks	Shirango - Malbe
Month Total	3	3	-	-		
Total 2024	13	8	2	3		

• Table 3: Poachers Activities Observed: Shows fresh and recent poachers' blinds/hides/platforms observed:

			v	1 1 0			
Date	No	Fresh Poachers hide, blind, camp	Recent Poachers hide, blind, camp	Location			
Nil	-	-	-	-			
Month Total	-	-	-	-			
Total 2024	-	-	-				
Not included	<i>Not included Charcoalers camps close to TENP boundary – Kulalu Ranch, and cattle bomas outside the Parks</i>						

• Table 4: Illegal livestock grazing: Shows aerial & ground observations - active livestock bomas & estimated number livestock inside the Parks only:

TCA Park	Active Bomas	Cows	Shoats	Donkeys	Herders/People	Others / Notes
TENP	11	4,120	-	-	7	Observed along the Northeastern boundary of TENP
TWNP	-	450	-	-	4	Sighted south of the Losoito hill.
TOTALS	11	4,570	-	-	11	

#### Table 5: Shows some examples of joint KWS/TT activities and outcomes from aerial patrols:

Date	Incident	Location
Routine &	Regular aerial patrols carried out to complement KWS Park field operations &	TENP, TWNP, and
Monthly	management	dispersal areas
03/04/2024	Collared elephant monitoring flight. Collared elephant Jenga & Tsavo Bull seen.	TWNP – Northern sec.
03/04/2024	Rhino monitoring flight. 6 of the free-ranging black rhinos located	TENP – TE IPZ
05/04/2024	Illegal livestock monitoring flight. 2,320 cattle, 9 active bomas & 7 men sighted.	TENP – Northern sec.
12/04/2024	Big Tuskers Monitoring flight. 1 Super Tusker & 2 Emerging Tuskers located.	TENP – Southern sec.
27/04/2024	Rhino monitoring flight. 5 rhinos sighted within the Ngulia Rhino Sanctuary	TWNP – NRS

#### Financial Support to KWS & WRTI Activities Inside TWNP & TENP:

#### Table 6: Shows brief costs of activities carried out by Tsavo Trust to complement KWS in Tsavo:

TT Activity	Cost (\$) Justification	Total \$
Aerial support – ongoing TENP & TWNP	48hrs in Super Cub aircraft @ \$300 all incl.	14,400
Vehicle running costs - Field Mobile Teams (Tembo 1, 2, 3,	11 vehicles covered 30,635km @ \$1 p/km incl.	30,635
4, 5, 6, 7, 8, 9, 10 & Kamungi S.) ongoing TENP & TWNP	fuel, tires, maintenance, servicing & f/c insurance	
TT Field Staff x 54 (Tembo teams)	Costs not Included	-
TWNP NRS general support	200ltrs diesel – rhino security	270
TWNP NRS general support	Water Pump - Grundfos CR5-29	4,503
TWNP – NRS Rhino viewing platform	Income generated via the Rhino viewing platform	-
TWNP IPZ general support	Rations and airtime	167
TWNP – IPZ tractor monthly support	1 4x4 tractor/trailer/water bowser ongoing support	666
TWNP – IPZ Infrastructure upgrade	Ranger accommodation and mess for TWIPZ HQ	55
TENP - Dakota Platoon Vehicle Diesel	100ltrs p/month – security vehicle	130
TENP – CC vehicle support	100ltrs p/month – security operations	130
TENP - DSTV Dakota Base - ongoing	Monthly subscription	40
TENP & TWNP – KWS Field Allowances	KWS Rangers attached to TT teams	855
HEC 33km Mtito elephant fence	Ongoing fence maintenance	397
TWNP Training support	Masters support for Senior Officer TWNP	690
TOTAL MONTH		52,938
TOTAL 2024 to DATE:		\$380,105

## Field Mobile Units:

Tembo 1, 3, 5, 7, 9 teams, Kamungi & Shirango Scouts are habitat protection / de-snaring focused.
Tembo 2 (TENP) & 4 (TWNP) teams are wildlife monitoring dedicated.
Tembo 6, 8 & 10 (TWNP) teams are rhino specific with confidential info.
All teams work alongside KWS daily, providing further "eyes and ears in the field".

#### Habitat Protection / De-snaring teams:

De-snaring	No.	No. Arrest	No.	No.	<i>i Tembo 1, 3</i> Bushmeat	<b>Poacher</b>	No.	No.	Vehicle	Foot
teams	Field	NU. Allest		Snare	recvd.		Poacher	HWC	mileage	Patrol
teams			Ivory			equip.			0	
	days		recvd	recvd	Kg	recvd.	camps	Cases	km	km
Tembo 1	30			14				3	3,077	344
(TENP) &				All medium			-	180 elephants		
Shirango Scouts		-	4		-	-		driven		
(6  TT Scouts + 3  KWS Parameter)								from		
KWS Rangers)						1		farms		
Tembo 3	30	1			28 kg	1 panga, 2 lamping			2,030	117
(TWNP)		Bushmeat	-	-	Grant' gazelle	horns &	-	-		
(6  TT Scouts + 3)		poacher				batteries				
KWS Rangers)										
Tembo 5	30								1,837	119
(TWNP)		-	-	-	-	-	-	-		
6 TT Scouts + 3										
KWS Rangers										
Tembo 7	30								2,967	181
(Kulalu/TENP)		-	2	-	-		-	-		
5 TT Scouts + 3						-				
KWS Rangers										
Tembo 9	30	1	3 ivory						2,928	176
(Kulalu/TENP)	00	Ivory poacher	pieces		_			_	_,>_0	1,0
5  TT Scouts + 3		5 1	recovered	-	-	-		-		
KWS Rangers			from a poacher				-			
Kamungi	30	4	pouener	10		1 handcart,		1	1,698	232
0	50	2 bushmeat		All small		1 spade and		5	1,070	252
Scouts		poachers; 1		2 in Small	-	a knife.	-	elephants		
4 Scouts		charcoaler &	-					driven		
		1 collecting						from		
TOTAL	100	for firewood			• 0 <b>•</b> 1			farms	11.505	1 1 6
TOTALS	180	6	6	24	28Kg	As above	-	4	14,537	1,169
<b>Total 2024</b>	726	25	13	125	292Kg	-	-	11	57,823	5,080

#### Table 7: Shows outcomes from field activities from Tembo 1, 3, 5, 7, 9 Kamungi & Shirango Scout teams:



The photo above shows a new offroad-rigged 4 x4 Landcruiser deployed for the joint KWS/TT Tembo 10 team whose focus is wildlife protection. The vehicle was purchased through support from the WCN-Lion Recovery Fund. Photo Credit: Tsavo Trust – Nick Haller.

#### **Research & Monitoring teams:**

#### Table 8: Shows activities carried out by Tembo 2, 4, 6, 8 & 10 teams – wildlife monitoring:

Monitoring teams	No. Field days	Activities	Endangered species records/sightings	Operating locations	Vehicle mileage km
Tembo 2 (TENP) (3 TT staff + 2 WRTI)	21	<ul> <li>-Tusker monitoring</li> <li>-Hirola monitoring</li> <li>-Grevy's zebra monitoring</li> <li>-Carnivore monitoring</li> <li>-Carnivore scat analysis: hair content</li> <li>-Highway &amp; SGR roadkill surveys</li> <li>-Camera trap surveys</li> <li>-Fixed point photos</li> <li>-Collared elephant reporting</li> </ul>	-Tuskers – 5 sightings -Hirola – 3 sightings -Grevy's Zebra – 1 sighting -Large Carnivores – 17 sightings -Ground Hornbill – 4 sightings -Road & Rail kills – Nil -Elephant carcasses – Nil - Ivory recovered. – Nil - Collared elephants – Nil - Carnivore scats collected - Nil	Tsavo East Nat. Park – mainly southern, central, and eastern sections including, Voi River & Shirango Conservancy	3,454
<b>Tembo 4</b> ( <b>TWNP</b> ) (2 TT staff + 4 KWS)	30	-RHINO monitoring – TW IPZ -Camera trap surveys - rhino -Big Tusker monitoring -Large Carnivore monitoring -Collared elephant reporting	-IPZ Rhinos – 22 -Tuskers - Nil -Large Carnivores –4 sightings -Collared elephants – Nil -Elephant carcasses – Nil - Ivory recovered. – Nil	Tsavo West Nat. Park – IPZ and Triangle	3,196
Tembo 6           (TWNP)           (1 TT staff +           4           KWS)	30	-RHINO monitoring – TW IPZ -Camera trap surveys - rhino -Big Tusker monitoring -Large Carnivore monitoring -Collared elephant reporting	-IPZ Rhinos – 22 -Tuskers - Nil -Large Carnivores – Nil -Collared elephants – Nil -Elephant carcasses – Nil - Ivory recovered. – Nil	Tsavo West Nat. Park – IPZ and Triangle	4,171
<b>Tembo 8</b> ( <b>TWNP</b> ) (1 TT staff + 4 KWS)	30	-RHINO monitoring – TW NRS -Camera trap surveys - rhino -Big Tusker monitoring -Large Carnivore monitoring -Collared elephant reporting	-NRS Rhinos – 11 -Tuskers - Nil -Large Carnivores – 2 sightings -Collared elephants – Nil -Elephant carcasses – Nil - Ivory recovered. – Nil	Tsavo West Nat. Park – NRS	2,917
Tembo 10           (TWNP)           (1 TT staff +           4         KWS)	30	-RHINO monitoring – TW NRS -Camera trap surveys - rhino -Big Tusker monitoring -Large Carnivore monitoring -Collared elephant reporting	- NRS Rhinos – 2 -Tuskers - Nil -Large Carnivores – 1 -Collared elephants – Nil -Elephant carcasses – Nil - Ivory recovered. – Nil	Tsavo West Nat. Park – NRS	2,360
TOTALS Total 2024	141 582	As above -	As above -	As above -	16,098 67,064



The photo above shows a lion cub captured during a lion survey in the southern sector of Tsavo East NP. This WCN-LRF funded survey, conducted in partnership with WRTI, concluded fieldwork on April 22, 2024. The survey aims to provide accurate estimates of key lion population parameters. Photo Credit: Tsavo Trust – Joseph Kimaile.



# <u>COMMUNITY CONSERVANCY</u> <u>PROGRAM:</u>



	VAMUNCI Componentor	SHIPANCO Community Concernance
ACTIVITY Ongoing partnership	<b>KAMUNGI Conservancy</b> North boundary of TWNP – Triangle, since 2014.	<b>SHIRANGO Community Conservancy</b> South boundary of TENP – Voi River area, since 2016.
between Tsavo Trust & KC	Total area approx. 100km <sup>2</sup> Makueni County;	Total area 270km <sup>2</sup> Kilifi County; Ganze Sub-County;
& SCC	Kibwezi Sub County; Mtito Andei Division; Mtito Andei Sub-location; Ngiluni Village.	Bamba Ward; Mitangani location; Gede Sub-location.
Employment	Between Tsavo Trust & partners 45 permanent staff	Tsavo Trust employs 14 staff from SCC including a
(Through Tsavo Trust)	& 15 casual staff employed generating over	Community Liaison Officer (CLO) to spearhead
	\$12,000 (Ksh.1,320,000) of income into Kamungi monthly.	activities. Salaries generate over \$3,000 (Ksh.330,000) of income monthly.
Community Mobilization	16 community meetings held.	4 community meetings held.
and Sensitization Meetings	> 09/04/2024: Makueni CG public participation	➢ 05/04/2024: Shirango Conservancy represented in
- 0	meeting on the County's annual development	the Tsavo Livelihood Initiative Project progress
	$\int \frac{1}{2} \int $	update meeting.
	15/04/2024: Kamungi Conservancy represented in the TTWCA's AGM held at	13/04/2024: Meeting between the Tsavo Trust and the Shirango Community representatives on the
	Voi Wildlife Lodge.	continuation of community representatives on the
	17/04/2024: Kamungi Conservancy	following the dismissal of a court case (Mar 24) that
	represented in the KWCA's AGM and Policy	had suspended community projects in Shirango.
	Conference held in Nairobi.	► 15/04/2024: Shirango Conservancy represented in
	25/04/2024: Visit by the USAID/IFAW communication team to gather data and stories	<ul> <li>the TTWCA's AGM held at Voi Wildlife Lodge.</li> <li>17/04/2024: Shirango Conservancy represented in</li> </ul>
	of the ongoing SMAT project.	the KWCA's AGM and Policy Conference held in
	> 26/04/2024: Meeting to assess the progress of	Kenya School of Government, Nairobi.
	students under the Sec. School scholarship.	-
Membership	Through a registered CBO KC membership	Through a registered CBO SCC membership represents
	represents 385 families & over 3,850 individuals from 13 villages, mainly from the WaKamba	at least 2,300 individuals from 5 villages, mainly from the Watha and Giriama ethnic groups.
	community.	the watta and Ontania ethnic groups.
Water Project	41,796 litres issued at Ngiluni Water Tanks and	Borehole, pump, and solar panels are in place, but saline
,	Ngiluni Primary School. Additionally, TT provided	water.
	110 dam liners and 28 water tanks.	Construction of an earth dam completed.
	(144,756 litres for the year to date) Ngiluni Primary School connected to piped water.	
Basic Health care	<b>284</b> patients attended for the year to date. Still	There is a need to support this project.
	waiting for the retired nurse replacement.	
Constructions	KC additional scouts & office units in progress.	SCC additional scouts & office units to commence soon
Education.	Works for the Kamungi bandas also in progress. Paid for 2 teachers (1-Ngiluni & 1-Kamunyu	
<u>Education</u>	School in KC) for the last 9 years. Ongoing.	None at present
Bursary Scheme	6 youth trained in hotel management (certificate).	<b>f</b>
Dursury Scheme	Started on April 22	None at present
	12 needy students selected being supported.	
Village Saving & Loan	5 women-run VSLAs are in progress: In partnership between ZSL / KC & TT	None at present
Associations – VSLA's Poultry Project	3 poultry projects:	None at present
Τομμη γ Ττομετι	partnership between ZSL / KC & TT	
Training	VSLA livelihoods, HWC Mitigation, Climate	Climate Smart Agriculture by KALRO.
	Smart Agriculture, permaculture	
<u>HWC Mitigation</u>	7 x 1-acre bee fences, total 105 beehives with 3 currently occupied.	N/A yet
Elephant Bee Fence	10% fence plan completed Phase 2 completed:	10% fence plan constructions completed: <b>Total 8 plots</b>
10% Fence Plan	Total 16 plots (HWC electric fencing of 10% of	(HWC electric fencing of 10% of individual land). 100%
	individual land). There are issues with plots/land	effective in keeping elephants and other wildlife from
	being purchased by a local NGO in this area that is	fenced farmlands.
	threatening this innovative project, but mitigating measures are in place	
Predator Proof bomas	10 predator-proof bomas set up: by TT/ZSL	N/A yet
Mtito 32km fence line	Completed 30/11/21 with 95% HEC reduction	N/A yet
Human Wildlife Conflict	<b>43 cases</b> recorded: 31 elephant; 3 Buffalo; 3 Hyena;	33 cases recorded: All elephant related.
(HWC)	1 Leopard; 1 Baboon and 4 Snake.	e cases recorded. Thi crophant rolated.
Land Tenure	Ongoing	SCC land is currently a traditional communal mode of
		ownership, not legally protected. Efforts are underway to
		ensure the local communities legally own their land.
Wildlife Census Transects		None
<b>Operations and Security</b>	See the Field Units table above	See the Field Units table above

**Unusual Photo of the Month:** 



The photo above features a pair of wild dogs from a pack of four. A joint WRTI/TT team spotted the wild dogs during the recent Lion Survey. Each wild dog has a distinctive coat pattern unique to the individual. Packs are led by a dominant breeding pair, and all members work together to care for the young and hunt. As a wide-ranging species, they require expansive habitats. Tsavo Trust supports KWS and WRTI in implementing various conservation efforts that benefit the Tsavo wild dog population. These efforts include anti-poaching patrols (aerial & ground), de-snaring patrols, habitat restoration, and collaboration with local communities to mitigate human-wildlife conflict. Photo Credit: Tsavo Trust – Christine Mwende.

#### With sincere thanks and appreciation:

*Organizations:* Kenya Wildlife Service; Government of Makueni County; USAID / DOI; US Fish & Wildlife Service; CITES / MIKE Programme-funded by the European Union; Wildlife Conservation Networks: Rhino Recovery Fund, Lion Recovery Fund, Elephant Crisis Fund; Cheyenne Mountain Zoo; Leopardess Foundation; JM Foundation Africa; Maliasili; Re:wild; Tusk Trust; International Elephant Foundation (IEF); BAND Foundation; Disney/Wildlife Conservation Society (WCS); Save The Elephants (STE); Zoological Society of London (ZSL); WildLandscapes International; The Glassybaby Foundation; EU-Biopama Programme; Tofauti Foundation; Chesbro Foundation; Milkywire; Satao Camp & Southern Cross Safaris (Msa); Origins Safaris; Ker & Downey Safaris; Ndovu Trust (UK); Haller Foundation; Addax and Oryx Foundation; ARES; Tropical Ice Ltd; Askari Project–Australia; Exodus Travel; Maasai Wilderness Conservation Trust (MWCT); Empowers Africa; 51 degrees-Vulcan; Conservation Alpha; Lewa Canada; Remembering Wildlife Books and many more anonymous donors.

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**Report compiled by Richard Moller (C.E.O) and the Tsavo Trust Team.** *All photographs* ©*Tsavo Trust 2024*