



WOODLAND
PARK ZOO

Tapir Project Update 2022

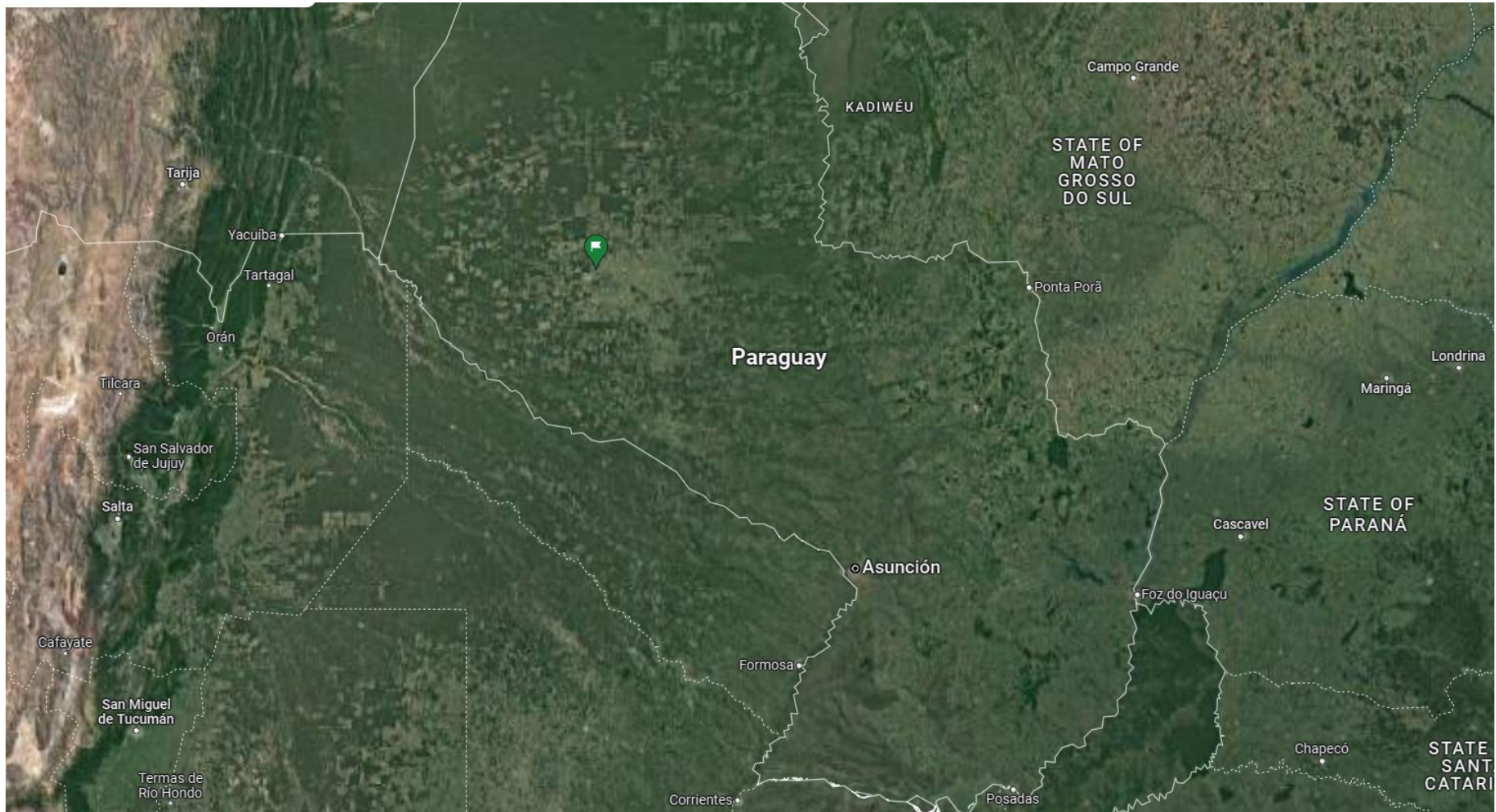
WOODLAND PARK ZOO SAVES ANIMALS AND
THEIR HABITATS THROUGH CONSERVATION
LEADERSHIP AND ENGAGING EXPERIENCES,
INSPIRING PEOPLE TO LEARN, CARE AND ACT.

ZOO.ORG

Where in the world?



Location of Centro Chaqueno para la Conservacion e Investigacion (CCCI)



Chaco Center for Conservation and Research – Taguá Project

- The only In-situ conservation program for the Chacoan peccary
- More than 30 years of experience
- Extremely efficient and probably one of the less expensive captive breeding programs in the world
- Enormous success national (Paraguay) and internationally (TV programs)



Wildlife Monitoring



The genesis of the tapir project



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2018-07-04 22:38



In 2019, various techniques were tried



They were anywhere except where we were!



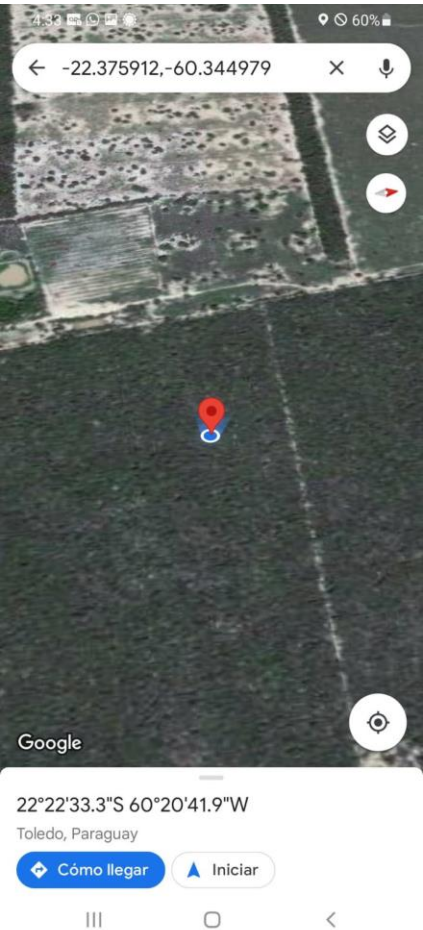
Finally in November (Team 4)



Collected data for three years



31 August 2021, Estevans collar drops off



- Ivan and Javier

Only one team made it out in 2021



New lab constructed during the Covid years



New museum dedicated to the Chaco War



2022 goal- 4 teams between July 30 –November 7



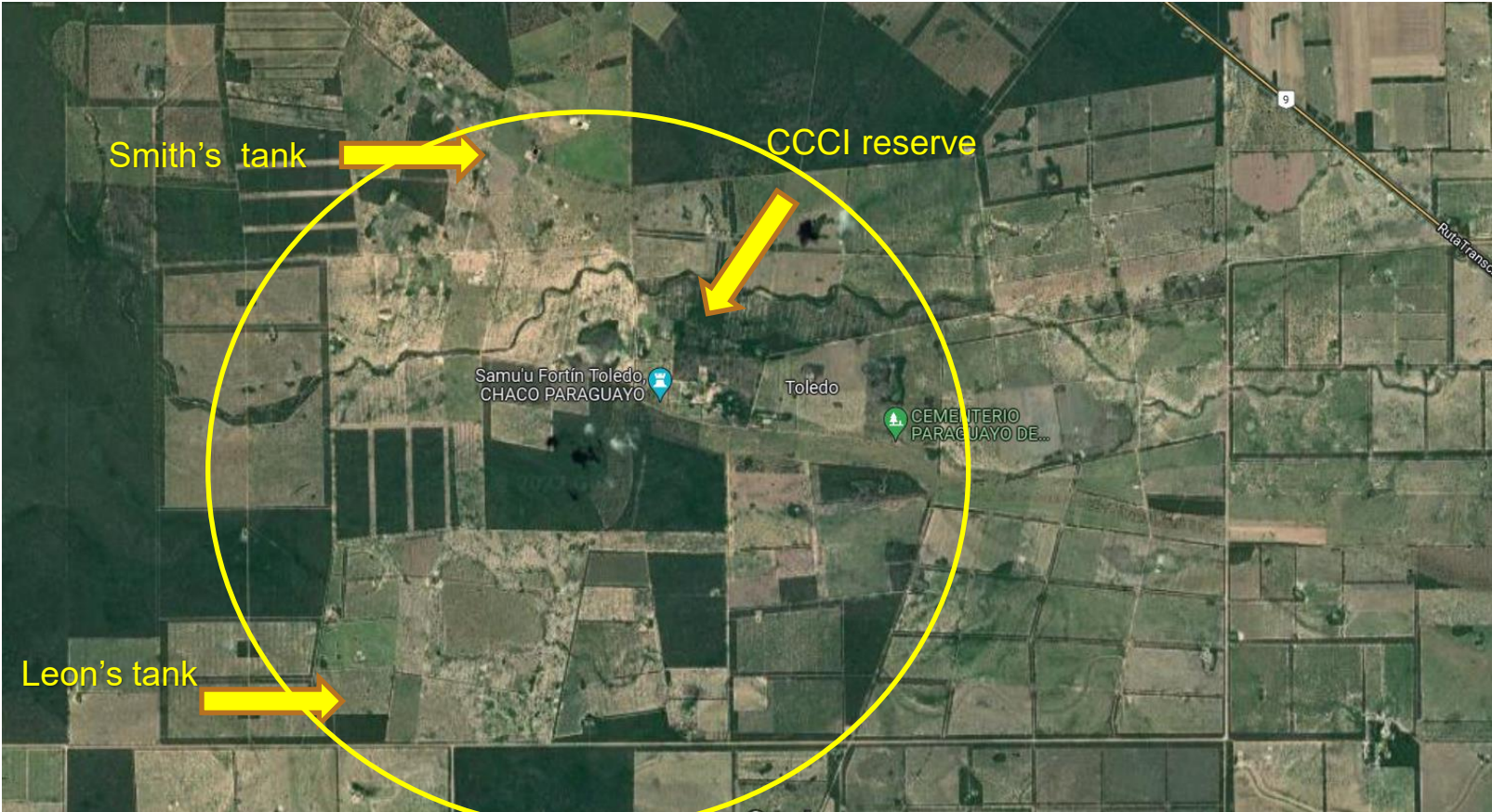
High Hopes for 2022



Three-year drought



The proposed capture area



Team One



Darted 1.1 in first week, missed two others.



Group Two



Groups 3 and 4



Darted 4 , collared 3



Crouch and wait



And track



One of many darting attempts



Three collars failed



A successful season

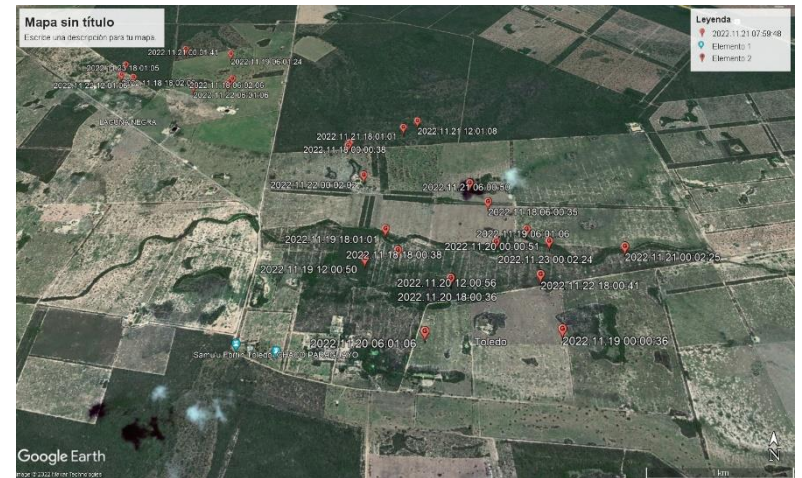
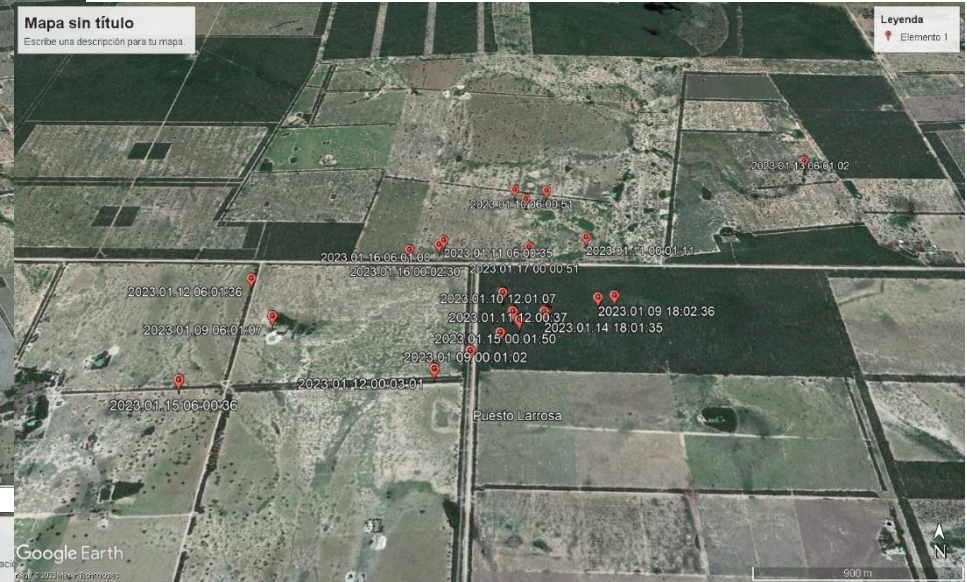
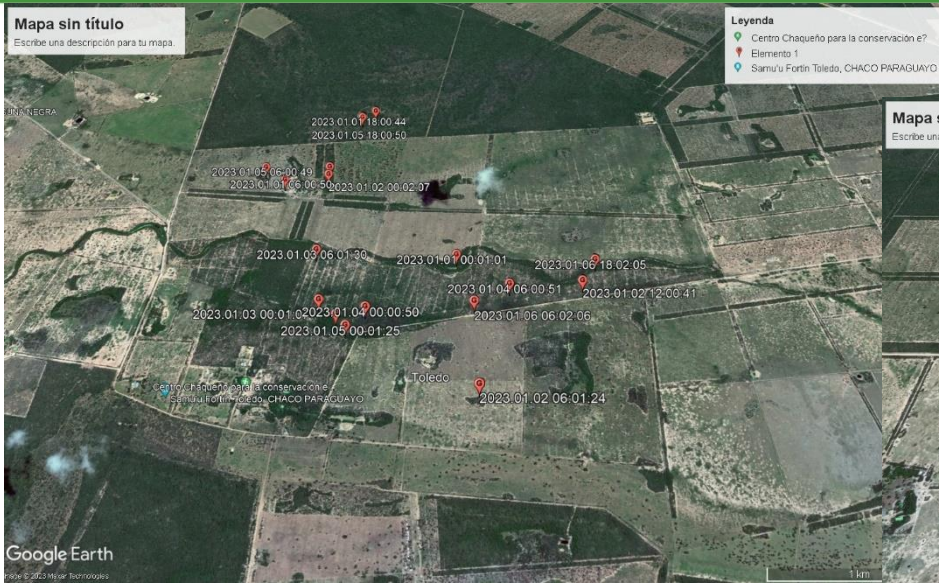
- 69 Tapir seen
- 8 darted
- 6 collared
- 3 still deployed



Monitoring using cameras, GPS and telemetry



Junior, Frank , Jack and Alacile



This year's participants



- Audubon Nature Institutes Species Survival Center
- Center for the Conservation of Tropical Ungulates
- Fossil Rim Wildlife Center
- Mulhouse Zoological Park in France
- Phoenix Zoo
- Smithsonian National Zoo
- University of Florida
- University of New Orleans
- Woodland Park Zoo

Special thanks to Jeff Holland

Looking for Funding to Keep the Project Going



A	B	C	D
Tapir Project 2023-2024 Estimated			
Category	Item (Description)	Quantity	Total Cost
Capacity	Student Stipend	4 months @ \$700/month	\$2,800.00
Total This			\$2,800.00
Travel and Lodging	Plane tickets	18 round-trip flights (\$1200/flight)	\$21,600
	CCCCI-based-food, fuel, transport	18 charges for food, fuel, and transport (\$700/person/session)	\$12,600
	Lodging and Food in Asuncion	18 nights at hotel in Asuncion plus food (\$200/person/session)	\$3,600
Total This			\$37,800
Capture Supplies (Minus Drugs)	Rifle-CO2 dart projector model with scope 1.75-4X32 long 11mm rifled barrel and short helicopter barrel (JM)	2	\$7,000
	13mm bore barrel (900mm)	2	\$640
	Hard Case for rifles	2	\$650
	Pneudart barrel for Dan-inject rifle	2	\$2,000
	Dani-inject Pistol w 11 and 13 mm diameter barrels, barrel adapters, syringe adapters, and foot pump	2 pistols, 2 11mm barrel, 2 13mm barrel, 2 barrel adapters, 5 syringe adapters, 1 foot pump	\$2,790
	Assorted darts (non-transmitter capable), needles and accessories for Daninject		\$1,000
	Pneudart transmitters	20	\$4,000
	3cc Pneudarts transmitter	40	\$3,000
	Daninject transmitters	20	\$3,000
	Daninject transmitter sleeve	20	\$500
	3cc Daninject transmitter	40	\$800
	Assorted batteries for	100	\$500
	12 cc spring loaded pole syringe package	1	\$925
	2 piece blow pipe	1	\$295
	Darts/accessories for		\$500
	Co2 cartridges	100	\$129
	Distance Reader	4	\$1,600
	Laser sights for rifles with Mounted flashlights for rifles	4	\$600
	Ryobi LED Lights (4), 6 batteries (\$60/each)		\$640
	batteries (\$50/each)		
	2 chargers (\$50/each)		
	head lamps	6 (\$37/each)	\$222
	radios	4 (\$250/each)	\$1,000
	lumber and hardware for 6 pit traps	6	\$657.00
	machetes	4	\$18.00
	shovels	4	\$103.00
	Vehicle maintenance		\$2,228.00

A	B	C	D
	Receiver antennas	2 @ \$320 each	\$680.00
	Telonics Receivers	2 @ \$1,100 each	\$2,200.00
	Expandable Collars	4 @ \$2,635.00 each	\$10,540.00
	Indium Satellite Data	24 months (\$78/month)	\$1,824
	camera traps + SD cards (128 GB)	20 standard action camera traps (\$150/each) 5 cellular/wireless camera traps (\$200/each) 20 SD cards	\$4,300
	AA batteries for camera traps	300	\$180
	Microchips/Transponders	20	\$400
	Data Analysis	1	\$6,000
Total This			\$26,124.00
	Equipment boxes for anesthetic drugs	2	\$120
	Large Animal Stethoscope	2	\$800
	medetomidine (10 mg/ml)	5 bottles (10 ml)	\$820
	Atipamezole (5 mg/ml)	5 bottles (10 ml)	\$1,100
	Azaperone (50 mg/ml)	5 bottles	\$250
	Butorphanol (30 mg/ml)	5 bottles (5 ml)	\$1,000
	Naltrexone (50 mg/ml)	3 bottles (30 ml)	\$975
	Ketamine (50 mg/ml)	5 bottles	\$30.00
	Zoletil 100	40 bottles	\$3,143.00
	Banamine	2 bottles (100 ml)	\$42
	Lactated Ringers	1 case (1000 ml x 12 bags)	\$60
	Emergency Drugs- Epinephrine, Dopme, lasix, methylprednisolone, benadryl, dexamethosone	2 bottles Epinephrine (50 ml) \$50 2 bottles Dopram (20 ml) \$130 1 bottle Furosemide (50 ml) \$20 4 bottles diphenhydramine (10 ml) \$60 2 bottles Solu-Medrol (Methylprednisolone) (2 ml) \$40	\$340
	Antibiotics-Exceed, Draxin, Teat Treatments,	1 bottle Exceede (100 ml) \$210 2 bottle Draxin (50 ml) \$300 1 box Dry-Clox teat treatment (12 tubes) \$40	\$550
	SWAT Fly Repellent	3 containers (7 oz)	\$30
	Eye Ointment	1 case of 12 (3.5 g)	\$120
	Eye Wash	5 bottles (4 oz)	\$15
	AluShield Aerosol Bandage	5 cans (75 g)	\$85
	Ibex portable ultrasound	1	\$45,000
Total This			\$54,480
	Dissecting Microscope	1	\$400
	Refractometer	1	\$70
	Micro Hematocrit Centrifuge, reader card, and clay	1	\$1,500
	Q PCR Machine and associated supplies and	1 machine plus supplies and primers	\$30,000
Total This			\$31,970
Grand Total			\$197,521.00
			\$97,221

Thanks for all your support



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Thanks for your attention

