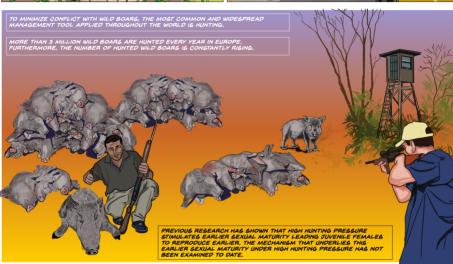
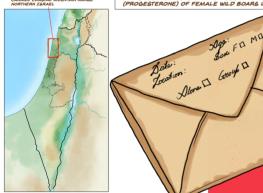
## DO BOARS COMPENSATE FOR HUNTING WITH HIGHER REPRODUCTIVE HORMONES?





STUDY AREA CARMEL COASTAL MOUNTAIN RANGE NORTHERN ISRAEL IN THIS STUDY, RESEARCHERS INVESTIGATED THE EFFECTS OF HIGH AND LOW HUNTING PRESSURES AND SOCIAL STRUCTURE ON STRESS HORMONES (CORTISOL) AND REPRODUCTIVE HORMONES





THEY PROVIDED, PAPER ENVELOPES TO RANGERS AND EXPERT HUNTERS FROM ISRAEL NATURE AND PARKS AUTHORITY [INPA] TO COLLECT HAIR SAMPLES OF HUNTED WILD BOARS FROM FRESH CARCASSES IMMEDIATELY AFTER BOARS WERE SHOT.

IN THE LABORATORY, RESEARCHERS EXTRACTED AND QUANTIFIED CORTISOL AND PROGESTERONE FROM THE HAIR OF FEMALE WILD BOARS.

	NUMBER OF PROGESTERONE SAMPLES	NUMBER OF CORTISOL SAMPLES	
HIGH HL	78	81	
LOW HU		19	THEY DID STATISTICAL ANALYSIS OF HORMONAL DATA TO COMPARE DIFFERENCES IN THE CORTISOL AND PROGESTERONE









THESE ELEVATIONS IN
REPRODUCTIVE HORMONES
THAT WERE ASSOCIATED WITH
HIGH HUNTING PRESSURE MA:
LEAD TO A HIGHER
REPRODUCTIVE POTENTIAL IN









THERE WERE NO SIGNIFICAN DIFFERENCES IN CORTISOL LEVELS BETWEEN HIGH AND LOW HUNTING PRESSURE

THE RESULTS SUGGEST THAT THE REPRODUCTIVE HORMONAL RESPONSE MAY BE ONE OF THE FACTORS LEADING TO THE RAPID WILD BOARS POPULATION GROWTH WORLDWIDE, DESPITE THE HIGH HUNTING PRESSURE THEY ARE EXPOSED TO.



ORMONES?, CONSERVATION PHYSIOLOGY (2021)

ANTIBI: DISHA CHAUHAN (WWW.THEVISUALSTONIESSI DIIO.COM) THIS PROJECT IS FUNDED THROUGH AN OUTREACH GRANT AWARDED TO RAVINDRA PALAVALLI NETTIMI AND KRIGHNA ANUIJAN