

23.08.2013

LETTERS GOJAGE e-Bulletin

Jackals: Second specimen removed in NE Estonia

Mr Peep Männil, Estonian Environment Information Centre, Tartu, Estonia (e- Letter)

Hi ---,

I would like to let you know that on **August 6th 2013** there was shot another jackal in Estonia.

Details:

- **Adult male** (very small diameter of pulp cavity, see the picture attached), NE Estonia, coordinates:
Lon: 26°14'' ; Lat: 59°22''

- Weight 10,5 kg

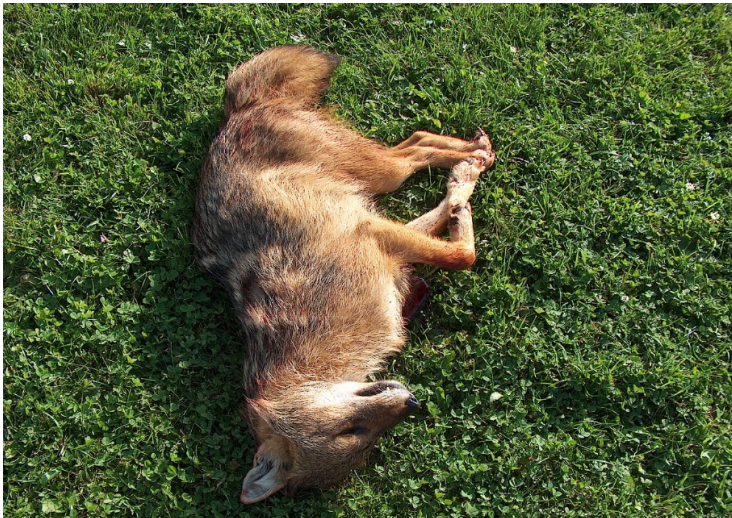
- Body length 76 cm

- Body height 50 cm

- Stomach and intestines were empty

- Shot in the evening from the grain field expected to be a raccoon-dog

- Normal condition



There are quite many jackal observations from the different parts of Estonia but none of them proved so far - in the proved cases they have been scabbed Foxes or Raccoon-dogs.

All the best,

Peep



Photo: **Peep Männil** Second specimen was removed in NE Estonia on 6th of August 2013. Visual analysis Ext/Inner diameter rapport < 0,45, probably 2,5 Year-Old-Male.

Estonia, [1st case report](#) (Fragment of BALTICA 2013 Wildlife Survey, March 27th/29th 2013)

On 27th of March 2013 near Salevere, bioacoustics stimulation was successful. At the third playback it was listen at least one group of jackals (2-5 ind) N58.70217°, E 023.57977°. Despite rigorous and systematic survey on grid style 3-4/4km in other 18 calling stations, was not heard any other group of jackals.

On 28th in the morning all employers of Matsalu National Park Reserve participated to a presentation of a brief conference about jackal spreading in Europe and different survey campaigns. Later in the same building was calculated the score of the skull of the jackal harvested on the end of February and an accurate craniometrical analysis was performed.

Larger nasal bones was seen until frontal bone, wider communication between temporal and orbicular fossae, borrowed angle of mandibular, all typical for jackal species. We calculate 25,7 points (Prosthion to Acrocranium 16,8 cm and Biarcade of 8,9cm) and according to CIC(Angelescu 2004), this specimen could be presented for silver medal conquest.

The age was calculated as being 10 months, in base of presence of clovers on incisive (they are present until 1,5 year age), the rapport of the empty inner and external arrows (more wide than

0,45 typical for juvenile, at least for *C. latrans*) and then we correlate with the chronology of possible birth (April 2012).

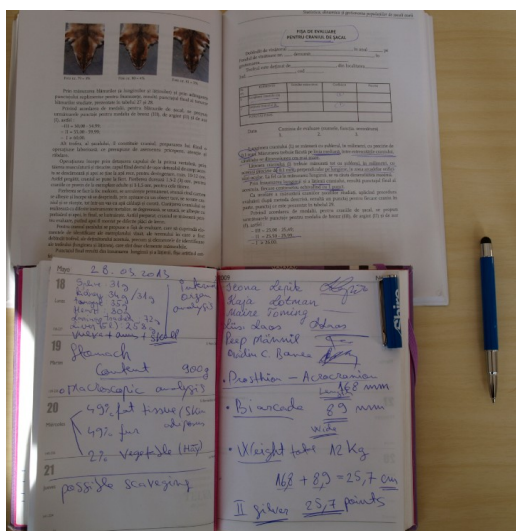
Internal organs and perineum were inspected again and measured. Stomach content weighted the maximum reported in literature (900g) and the macroscopic analysis showed 49% adipose tissue and skin, 49% hair and 2% vegetable (hay). We agreed that this is characteristic of a dropped fur of a wild or domestic animal. Intestine length showed omnivorous behavior (more length).

In the evening of the same day camera trapping showed 5 images of jackal which were analyzed as belonging to at least 2 specimens. Analyze was done by timing and distance from the camera.

Day fieldwork was also successful with monitoring of 2 tracks of jackal species in the area of vocalization and another track on Penijoe. Also droppings were collected in the area and were sending to analysis in Tartu.



Team Baltica 2013, Wildlife Survey in Matsalu National Park, W Estonia (27-29.03.2013)



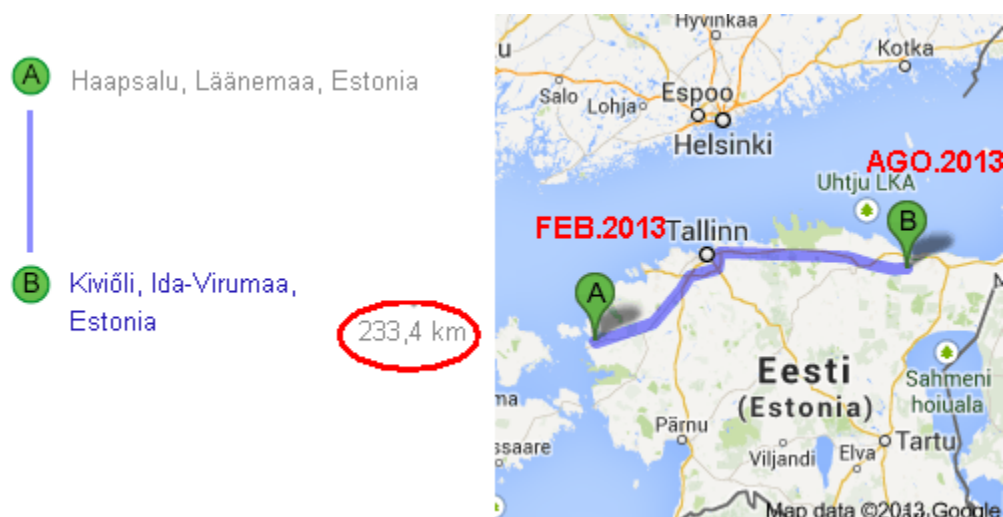
1st Specimen, 10-Months-Old Female (W Estonia)



L. Lapini & O. Banea, 2013 (modified) in press

"Life-history traits, anthropogenic expansion and conservation problems of the golden jackal in Europe Storia naturale, espansione antropogena e problemi di conservazione dello sciaccallo dorato in Europa (Mammalia: Canidae: *Canis aureus moreoticus* I. Geoffroy Saint Hilaire, 1835) "

Both LOCATIONS OF REMOVED JACKALS IN ESTONIA February 2013 AND August 2013 (233km)



Other data

Brief habitat behavior, territoriality and controversial origin of jackals in Estonia [here](#)

Prof Nikolai Spassov(BG) Lleter explaining the jackal situation in Estonia, little legislation [here](#)

Estonian TV Osoon documentary [here](#)

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