MASSEY UNIVERSITY
TE KUNENGA KI PŪREHUROA
UNIVERSITY OF NEW ZEALAND

5 August 2019

Hannah E

By email: fyi-request-10502-d9055640@requests.fyi.org.nz

Dear Hannah,

Official Information Act request – 1080 Poison Tests

I am responding on behalf of the University to your request for information, received on 10 June 2019.

On 10 July I emailed you noting that due to consultations required to make a decision on the request, that I would not be able to provide a response until 5 August. I apologise for the delay.

The information you have requested is as follows:

> *"Please provide results of all 1080 poison tests including thru Wildbase between 2010 and 2019. Please also provide photos and files relating to these tests*."

I attach a summary of post mortem results performed at Massey University, where the result indicates a 1080 exposure or poisoning. Detailed information, including photos and other scientific data are withheld on the following grounds:

- 9(2)(ba)(i): That information is subject to an obligation of confidence and the release of that information would be likely to prejudice the supply of similar information or information from the same source and it is in the public interest that it should be continued to be supplied; and

- 9(2)(i): Withholding the information is necessary to enable the University to carry out, without prejudice or disadvantage, commercial activities.

Please be advised of your right to seek a review of this decision by writing to the Ombudsman.

Kind regards

Jodie Banner
Director Governance and Assurance

Post Mortem results where diagnosis indicates 1080 exposure/poisoning, between 2010 and 2019 YTD.

Sex	Diagnosis	Diagnosis_Comments	Breed	Location	City	Date_Sent	
Female	1080 poisoning		Kea	North Okarito Forest	Franz Josef	12/09/2011	Adult
Male	1080 poisoning	The lack of histological change is consistent with 1080 poisoning	Kea	North Okarito Forest	Franz Josef	12/09/2011	Adult
Male	1080 poisoning		Kea	North Okarito Forest	Franz Josef	19/09/2011	Juvenile
Female	1080 poisoning		Kea	North Okarito Forest	Franz Josef	19/09/2011	Adult
Female	1080 poisoning		Kea	North Okarito Forest	Franz Josef	19/09/2011	Adult
Male	1080 poisoning		Kea	Westcoast	Franz Josef	13/09/2011	Adult
Female	1080 poisoning		Kea	Westcoast	Franz Josef	14/09/2011	Subadult
Male	Sodium monofluoroacetate (1080) poisoning	A liver lead level of 0.03 mg/kg is very low and indicates previous exposure to lead but at a level unlikely to have adversely affected the bird's health. Levels of ~10mg/kg and above are considered toxic.	Kea	Deception Valley, APNP, West Coast, E1486046 N5260017	Hokitika	09/08/2013	Subadult
Male	Sodium monofluoroacetate (1080) poisoning	The feathers negative for PBFD on PCR, while a liver lead level of 0.02mg/kg is a very low level and indicates previous exposure to lead but at a level considered not to adversely affect the bird's health.	Kea	Whaiti Stream, Otehake, West Coast	Hokitika	14/08/2013	Adult
Female	Sodium monofluoroacetate (1080) poisoning	The feathers negative for PBFD on PCR, while a liver lead level of 0.02mg/kg is a very low level and indicates previous exposure to lead but at a level considered not to adversely affect the bird's health.	Kea	Deception Valley, APNP, West Coast. E1488495 N5258424	Hokitika	15/08/2013	Adult
Male	Sodium monofluoroacetate (1080) poisoning.	The feathers negative for PBFD on PCR, while a liver lead level of 0.02mg/kg is a very low level and indicates previous exposure to lead but at a level considered not to adversely affect the bird's health.	Kea	Holts Creek, Rolleston River, West Coast	Hokitika	15/08/2013	Adult
Female	Sodium monofluoroacetate (1080) poisoning.	The feathers negative for PBFD on PCR, while a liver lead level of 0.02mg/kg is a very low level and indicates previous exposure to lead but at a level considered not to adversely affect the bird's health.	Kea	Kellys Creek, APNP, West Coast E 1481001 N5259145	Hokitika	15/08/2013	Adult
Male	Likely 1080 poisoning	The green food material within the crop and gut is suggestive of sodium fluoroacetate ingestion.	Kea	Wanaka	Wanaka	11/11/2014	Adult
Female	Likely 1080 poisoning	The bright green material within the crop, ventriculus and proventriculus is highly suggestive of 1080 bait ingestion resulting in the death of this bird. Stomach, muscle and liver samples have been retained if further testing is desired.	Kea		Nelson	02/12/2014	Juvenile
Male	Likely 1080 poisoning	The bright green material within the crop, ventriculus and proventriculus is highly suggestive of 1080 bait ingestion resulting in the death of this bird. Stomach, muscle and liver samples have been retained if further testing is desired.	Kea	Kahurangi National Park	Nelson	04/12/2014	Juvenile
Female	1080 exposure	This bird was in good body condition and there were no signs of external trauma. The lining of the stomach was bright green which could indicate the presence of the dyed 1080 bait. The muscle level of 1080 was 0.67 micrograms/gram of muscle, indicating the bird has indeed been exposed to 1080; whether this is a lethal dose is difficult to say as definitive cut-off levels for lethal and sub-lethal levels are not readily available. 1080 muscle levels in five kea with likely 1080 bait present in their gizzards ranged from 0.95-3.44 micrograms/gram of muscle. In the absence of any other obvious pathology or cause of death (liver lead level is still pending), it seems reasonable to suppose that 1080 contributed to the death of this bird. The liver lead level was very low and unlikely to have adversely impacted the health of this bird.	Kea	Nelson Lakes	St Arnaud	09/01/2015	Adult
Female	1080 toxicosis	This was a young female kea in good body condition, with no signs of trauma of obvious underlying disease. Dyed material consistent with 1080 cereal bait was present in the stomach and subsequent testing of the skeletal muscle showed 1080 residue; 1080 ingestion is the cause of death. The level of lead in the liver was not elevated to the point where it would have adversely impacted on the health of this bird.	Kea	Elizabeth Stream, Perth Valley	Wellington	24/04/2019	Subadult
Male	1080 toxicosis	This was an adult male kea in reduced body condition. There were no signs of trauma or any obvious underlying disease. Testing of skeletal muscle showed this kea had been exposed to 1080. The level of lead in the liver was not elevated to a level where it would have adversely impacted on the health of this bird.	Kea	Tiechelman, Perth Valley	Wellington	24/04/2019	Adult