

From: [Guinotte, John](#)
To: [Shoemaker, Justin](#); [Betty Grizzle](#)
Subject: Fwd: draft email to steve.
Date: Tuesday, May 30, 2017 12:10:36 PM

I just spoke to Steve. Question #2 isn't possible. The states only paid for 1. Identification of whether or not it is a wolverine and 2. The gender of the wolverine. Have to run the microsat on all 300 samples to get the individuals.

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From: **Guinotte, John** <john_guinotte@fws.gov>
Date: Tue, May 30, 2017 at 11:47 AM
Subject: draft email to steve.
To: "Shoemaker, Justin" <justin_shoemaker@fws.gov>, Betty Grizzle
<betty_grizzle@fws.gov>

Hi Justin and Betty, Can you both take a look at these and let me know if I missed something, etc. here? If not, I will send to Steve and cc Mike.
thanks John

Hi Steve,

We talked about what is needed cost estimate wise after you jumped off.

We need to know the following from Schwartz:

1. What is the total cost to run microsatellites only on the 300 samples he has in hand?
2. Could he run a sub-sample of the 300 samples and still get us the answers we need? If the answer is yes, how many samples would he have to run to give us a statistically rigorous result and what is the total cost?
3. What is the cost of doing the blinds and who would do them? This doesn't seem very doable to me now.

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