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**Sent:** Thursday, March 7, 2019 4:17 PM  
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**Subject:** RE: East Maui streams - Request for data

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Jim,

Per our discussion earlier today, below are the data we want from you.

For the entire License Area (includes both IIFS and non-IIFS streams; does not include streams between Honopou and Maliko Gulch):

We would like the following questions answered for each individual stream and the combined total. ( I assume this is just an arithmetical calculation, but would appreciate you doing this for us.)

- What is the total amount of habitat units under natural flow (no diversion) conditions?
- What was the total amount of habitat units available under full-diversion (sugar) conditions?
- What is the total (minimum) amount of habitat units available under 2018 IIFS conditions? (“Minimum” assumes just putting more water back into the streams without diversion modifications which may mitigate entrainment issues and increase the number of habitat units available based on just increasing stream flows .)

For the non-IIFS streams within the License Area:

We would like the following questions answered for each individual stream and the combined total.

- What is the total amount of habitat units under natural flow (no diversion) conditions?
- What was the total amount of habitat units available under full-diversion (sugar) conditions?
- What would be the amount of water restored in all non-IIFS streams if all non-IIFS streams were restored to H90 conditions?
- What would be the total amount of habitat units available in all non-IIFS streams if restored to H90 conditions?
- How many more habitat units might be available if diversion modifications are made to create connectivity/wetted pathways (diversion modifications rather than just restoring H90 flows)?

For Nailiihaele Stream:

- What is the amount of habitat units under natural (no diversion) conditions?
- What is the amount of habitat units under full diversion (sugar) conditions?
- What amount of water would have to be restored, and where, to achieve H90 conditions?
- What would be the number of habitat units available in this stream if restored to H90 conditions?
- What modifications to the diversions would best address entrainment issues?
- How much water would have to be restored, and where, if diversions were modified to achieve same number of habitat units?

Thanks for your patience with us. Let me know if these requests are not clear.

Yvonne

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