**Clarification Questions and Answers**

**JNCC Reference: C20-0302-1509**

**Title: Model Development to assess the vulnerability of the Cayman Islands to storm surge and inland flooding, and the role and value of natural capital in mitigating the impacts.**

1. Q. Is the study area inclusive of Grand Cayman only, or does it also include Little Cayman and Cayman Brac?

A We would like a model to be built to cover the whole of the CI archipelago.  However, for the economic study - localised case studies may be the most appropriate way forward – subject to data availability.  We would expect any tenderer to outline what is possible within the time available, stating assumptions around data availability.

1. Q. What data will be made available for the purposes of the study and whether there would be a cost to the successful consultant? The scope suggests that the following would be required:

A Further data purchasing costs to consultant – no not expected.  Regarding the data specifics below:  JNCC will provide DTM, world view imagery for the islands, Ramsar boundary and boundary line base map.  Other required data for the model: some data may be provided directly for CI, however, other data, such as buildings we may have to use open access data until the model is delivered to CI for them to integrate their proprietary data.

We would expect the tenderer to outline their approach detailing the data requirements, eg bathymetry, habitat maps, etc and identify open source data that could be used during model development prior to delivering model to CI government

* BOS maps (digital) of the island(s) – Do you mean OS maps – sorry not sure what you mean by BOS maps
* Habitat maps, buildings, infrastructure and other asset classes in GIS format – Yes, we can provide Habitat maps from DoE in Cayman, TNC have just made available online their marine maps <https://storymaps.arcgis.com/collections/58321fb0f35f4659a1f508630d45c76c?item=1>
* Observational data – wind, tide, rainfall, waves etc
* Vulnerability data, depth-damage functions or locally derived data documenting the benefit of specific habitats with respect to flood mitigation.
* Bathymetry/topography – is LiDAR available? Is topographic/terrain data tied into the local tidal vertical reference? Or is there a requirement to engage a survey contractor to do this? Some Lidar may be available, currently unknown, however, we expect the model to be built using the DTM and when Lidar becomes available it can then be integrated into the model.  A Lidar survey will be carried out but not in the lifetime of this project.  There is no expectation for contractor to collect primary data.
* Previous post-event environmental, financial and economic losses for the Cayman Islands.  Information is in the public domain, JNCC would not supply this information directly

1. Q. Is JNCC able to provide a detailed inventory of the data that would be made available to the study?  See above