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June 4, 2019 **Set 2**

TO: All Potential Respondents
RFP 1908 Districtwide Seagrass Mapping

FROM: Rachelle Jones, Senior Procurement Specialist

SUBJECT: Response to Questions

QUESTION: In 3.3.1.6 Section One, Task 1 – Mobilization and Imagery Acquisition, the second sentence states "No more that a 5-7 day gap between mission sets is preferred." While we agree with this preference, if circumstances beyond our control (mother nature, etc.) and/or a reflight is needed – will there be flexibility with this preferred parameter?

ANSWER: Yes, there is flexibility with the data acquisition gap. It is specifically stated to be a preference rather than a requirement.

QUESTION: In 3.3.1.6.1, there is a statement – "approximate flying height not to exceed 9,500 feet above mean terrain". With the newer ADS Imagery sensors (ADS100), the one-foot GSD is accomplished at ~12,000 feet above mean terrain. Is this acceptable?

ANSWER: As discussed during the pre-proposal meeting for RFP 1908, the parameters of the resultant products supersede the methodology implemented to achieve them. If the specification of one-foot GSD can be met from an altitude higher than 9,500 feet above mean terrain, then it is acceptable.

QUESTION: In 3.3.1.6.1, there is a statement – "flight crews will set-up an ABGPS base station at the local airport". Is this required, or can we utilize the FL CORS network to satisfy our ABGPS processing and accuracy requirements?

ANSWER: As discussed during the pre-proposal meeting for RFP 1908, the parameters of the resultant products supersede the methodology implemented to achieve them. If the specified horizontal accuracy over land (a tested for accuracy of 3.46 feet at 95% confidence interval with 2.0 feet RMSE NSSDA using a minimum of 30 points) can be met without the use of a GPS base station at the local airport, then it is not required.

QUESTION: In 3.3.1.6.4 under Tidal Conditions – Are there specific Tidal Zones that the District would like us to consider or should we use 1 Tidal Zone per block?

ANSWER: The District would like respondents to consider all the tidal parameters outlined in Section 3.3.1.6.4 of RFP 1908 in conjunction with the Estuaries in Figure 2 and the Passes/Areas of Special Concern in Figure 3. The District recommends usage of tide prediction resources from the National

Oceanic and Atmospheric Administration (NOAA) to aid in preparation of an acquisition approach for the proposal that will be compliant with the following specification: "Tidal Condition – tidal stage shall be within +/- two hours of low tide and no greater than mean tide level. Special consideration of outgoing and slack tides for specific inlets and passes shall be maintained."

QUESTION: What are the modified FLUCCS-based classification categories to be photointerpreted and mapped for the project? (Please reference 3.3.2 Section Two – Photointerpretation or sections 3.3.2.2.2. and 3.3.2.2.3)

ANSWER: This set will be used by the selected contractor. During the mapping process, the contractor may suggest changes/modifications with the District. The final set of FLUCCS codes and definitions are to be submitted as part of the PI Key deliverables.

FLUCCS CODE	FLUCCS DESCRIPTOR	SWDWMD WORKING DEFINITION
0	LAND	Land and/or shoreline.
5400	BAYS AND ESTUARIES	Unvegetated open water Inlets or arms of the sea that extend landward.
6510	TIDAL FLATS	Unvegetated, intertidal sand and/or mud flats.
6540	OYSTER BARS	Dense, sessile mollusks often found as linear or oval features, includes both living and non-living individuals.
7430	SPOIL AREAS	Submerged areas consisting of excavated or dredged material absent seagrass or attached algae.
9113	PATCHY SEAGRASS	Isolated seagrass patches, usually in the form of small round clumps or elongated strands.
9114*	MIXED SAV WITHOUT HARDBOTTOM	Features exhibiting a mix of seagrass and attached macroalgae, absent hardbottom habitat.
9115*	MIXED SAV WITH HARDBOTTOM	Features exhibiting a mix of seagrass and attached macroalgae interspersed with areas of hardbottom characterized by sponges and corals.
9116	CONTINUOUS SEAGRASS	Features exhibiting uniform seagrass signatures, regardless of seagrass species, with less than 25% unvegetated bottom.
9121	ATTACHED MACROALGAE	Homogenous stands of attached algae forming uniform signatures with less than 25% unvegetated bottom.
* **FLUCCS code has been significantly modified from previous maps.**		