

eDNA Decision Checklist

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PRE-FLIGHT CHECK (ADVANCED PLANNING)

Yes	No	 The project purposes/objective(s) are clearly defined. The sampling design reflects the defined purpose/objective(s). The eDNA sampling is coupled with habitat occupancy modelling, etc.
SAN	⊔ ⁄⁄PI F	4. The eDNA sampling is coupled with other species detection efforts. E COLLECTION & PROCESSING
Yes	No	
		5. There are documented standard operating procedures (SOPs) for
		equipment decontamination and sample collection, handling, and processing.
		6. All relevant environmental data were collected while sampling.
		7. The number, type, and location of negative controls have been reported.8. Steps have been taken to preserve sample integrity and avoid/prevent contamination.
DNA EXTRACTION & ASSAYS		
Yes	No	
\vdash		9. The laboratory can provide a description of lab working conditions.
H	H	10. Clear steps have been taken to prevent sample contamination in the lab 11. Samples have been tested for contamination.
H	H	12. eDNA assay information has been provided.
INTERPRETATION OF RESULTS		
Yes	No	
		13. Both raw data and interpreted data, including for all positive and
		negative controls, have been included in the delivery of all results
		14. The criteria for acceptance of species/group detections have been clearly outlined.
		15. The steps used for results validation have been documented.
		16.* All species of interest are represented in the reference dataset.
		17.* The lab can provide the method used to query the collected sample
		data against the reference dataset.

^{*}Specifically relevant for community metabarcoding surveys.