



eDNA Decision Checklist

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PRE-FLIGHT CHECK (ADVANCED PLANNING)

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	1. The project purposes/objective(s) are clearly defined.
<input type="checkbox"/>	<input type="checkbox"/>	2. The sampling design reflects the defined purpose/objective(s).
<input type="checkbox"/>	<input type="checkbox"/>	3. The eDNA sampling is coupled with habitat occupancy modelling, etc.
<input type="checkbox"/>	<input type="checkbox"/>	4. The eDNA sampling is coupled with other species detection efforts.

SAMPLE COLLECTION & PROCESSING

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	5. There are documented standard operating procedures (SOPs) for equipment decontamination and sample collection, handling, and processing.
<input type="checkbox"/>	<input type="checkbox"/>	6. All relevant environmental data were collected while sampling.
<input type="checkbox"/>	<input type="checkbox"/>	7. The number, type, and location of negative controls have been reported.
<input type="checkbox"/>	<input type="checkbox"/>	8. Steps have been taken to preserve sample integrity and avoid/prevent contamination.

DNA EXTRACTION & ASSAYS

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	9. The laboratory can provide a description of lab working conditions.
<input type="checkbox"/>	<input type="checkbox"/>	10. Clear steps have been taken to prevent sample contamination in the lab.
<input type="checkbox"/>	<input type="checkbox"/>	11. Samples have been tested for contamination.
<input type="checkbox"/>	<input type="checkbox"/>	12. eDNA assay information has been provided.

INTERPRETATION OF RESULTS

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	13. Both raw data and interpreted data, including for all positive and negative controls, have been included in the delivery of all results
<input type="checkbox"/>	<input type="checkbox"/>	14. The criteria for acceptance of species/group detections have been clearly outlined.
<input type="checkbox"/>	<input type="checkbox"/>	15. The steps used for results validation have been documented.
<input type="checkbox"/>	<input type="checkbox"/>	16.* All species of interest are represented in the reference dataset.
<input type="checkbox"/>	<input type="checkbox"/>	17.* The lab can provide the method used to query the collected sample data against the reference dataset.

*Specifically relevant for community metabarcoding surveys.