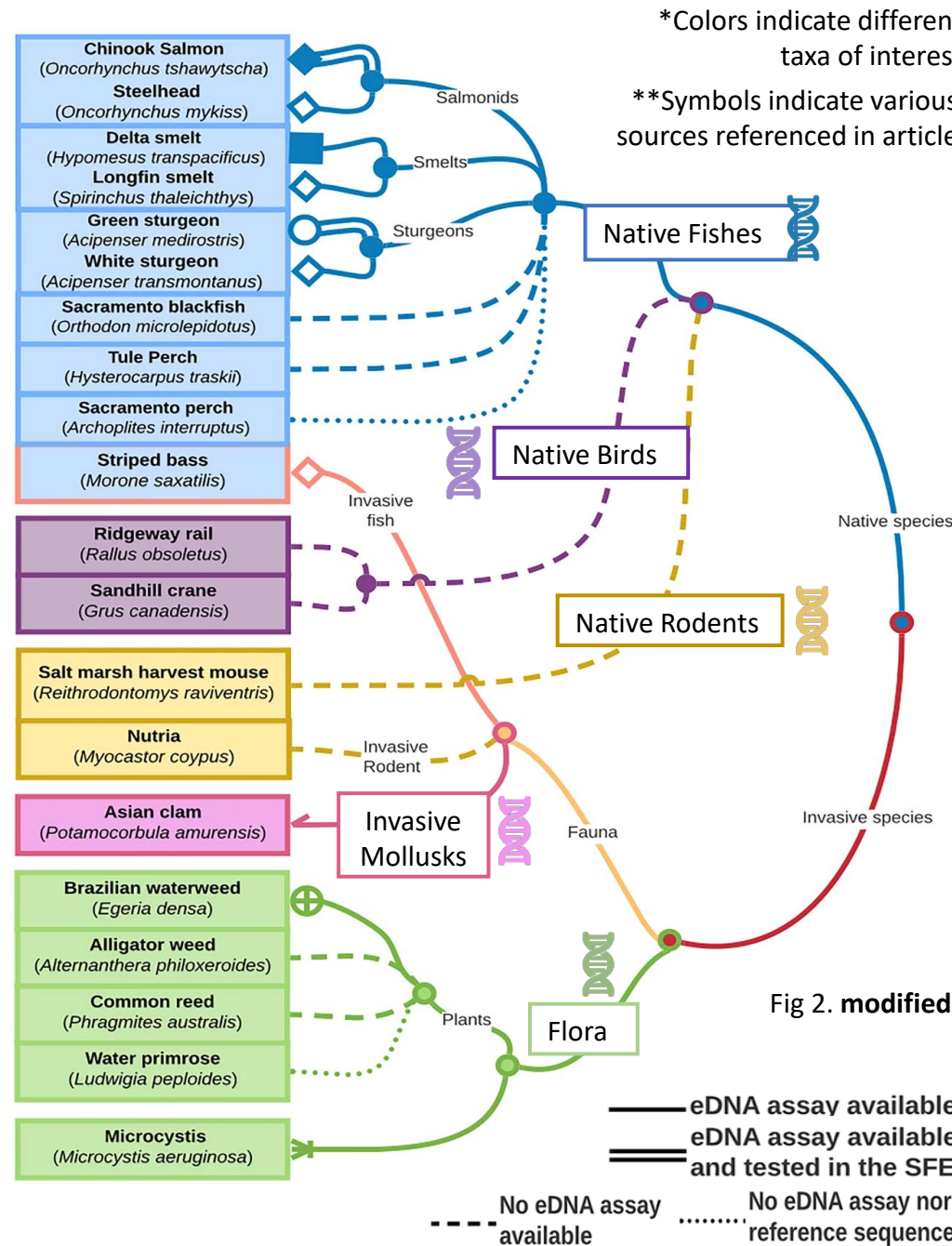
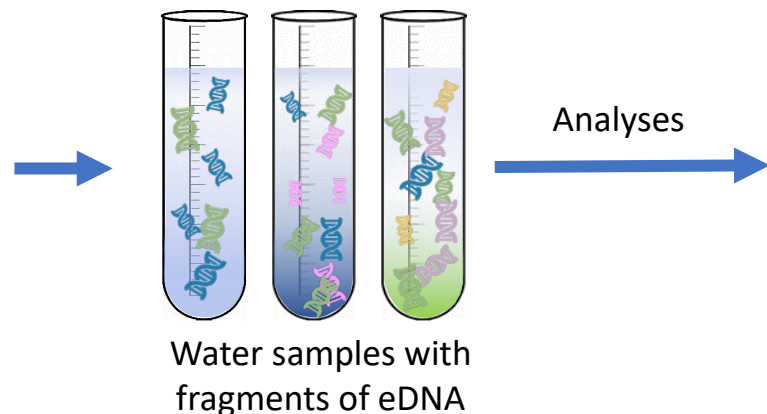


eDNA Techniques for Addressing Biodiversity and Management Concerns in Estuarine Systems

Environmental DNA (eDNA) = DNA mixture made up of genetic fragments from environment. Multiple sources of genetic material.

Photo: USFWS Pacific Southwest



*Colors indicate different taxa of interest

**Symbols indicate various sources referenced in article

Fig 2. modified

Management questions eDNA analyses could address

Where is this endangered species occurring?	How has community composition changed after this habitat has been restored?
Is this invasive species present in the watershed?	Do I need to carry out monitoring at this site?
Could the species of interest be infected?	Where is this pathogen occurring?

Nagarajan, R. P., Bedwell, M., Holmes, A.E., Sanches, T., Acuna, S., Baerwald, M., Barnes, M., Blankenship, S., Connon, R., Deiner, K., Gille, D., Goldberg, C.S., Hunter, M. E., Jerde, C.L., Luikart, G., Meyer, R.S., Watts, A., & Schreier, A., "Environmental DNA Methods for Ecological Monitoring and Biodiversity Assessment in Estuaries". *Estuaries and Coasts*, (2022). <https://doi.org/10.1007/s12237-022-01080-y>