**Supplemental Table S2:** List of fish specimens from 1880 Pacific Coast Expedition led by David Starr Jordan and Charles Henry Gilbert that currently reside in the Smithsonian National Museum of Natural History database.

This list of 555 specimens was compiled by performing several queries on the National Museum of Natural History’s (NMNH) fish collection database (<http://vertebrates.si.edu/fishes/fishes_collections.html>). The initial search filtered records for which David Starr Jordan and/or Charles Henry Gilbert were listed as the collectors and 1880 was listed as the collection year. It became apparent that many specimens from the 1880 expedition lacked data in one or both of these fields, so additional queries were conducted. For these queries, I used geographic filters (“Country” and “Province/State”) to restrict records to those collections made in California, Oregon, Washington, and British Columbia, the states and provinces visited during the 1880 expedition. Collection date was used to further limit observations to records from 1880. For many records, the collection date field was blank or contained a null values (000-000); however, the catalog number corresponded to sequences in the USNM ledger that were dominated by specimens from the 1880 expedition. Here, I included the specimen if it met two conditions: (1) the “Precise Locality” matched one of the sites visited by Jordan and Gilbert in 1880 *and* (2) Jordan and Gilbert’s (1880) published list of species included a specimen of that species at that specific locality. Where the collection year is assumed from the ledger entries, the year 1880 is enclosed in square brackets.

Many of the scientific names of species found in the database differ from those that were used by Jordan and Gilbert at the time the collections. Likewise, many names differ as well from those currently accepted as valid by the American Fisheries Society (AFS). For this reason, I have added fields to the database that link the NMNH names with those used by Jordan and Gilbert (1880) and by AFS (2013). Synonyms were determined by querying the FishBase, World Registry of Marine Species, Fishwise Professional, and Shark-references databases. Occasionally, I was unable to connect a particular collection record to the species list produced in Jordan and Gilbert (1881c); in these cases, the Jordan and Gilbert synonym field was left blank. Additionally, I added fields for the common names of species and habitats used by those species. The latter information was intended to highlight the dominance of marine and brackish-water species in the Pacific Coast Expedition collections.

Below is a brief description of the fields in the appendix and whether they represent additions or modifications to the NMNH database.

**Catalog Number – USNM**: Corresponds to original catalog number from the NMNH database (unmodified).

**J&G 1880 Number:** Species number in Jordan and Gilbert’s (1880) published list of species from the expedition (field added).

**USNM Identification:** Species name currently assigned in the NMNH database. Names in red text depart from currently accepted AFS names (name of field modified).

**Jordan and Gilbert 1880 synonym:** Species name assigned by Jordan and Gilbert (1880), which catalogued the species encountered during the 1880 expedition. Names in red depart from currently accepted AFS names (field added).

**Accepted Name (AFS):** Scientific name currently recognized as valid by AFS (2013) (field added).

**Common Name (AFS):** Common name currently recognized as valid by AFS (2013) (field added).

**Habitat:** Code indicating habitats used by the species; m = marine, b = brackish, f = freshwater, (a) = anadromous, (am) = amphidromous (field added).

**Year Collected:** Year identified in the “date collected” field in the NMNH database. If the date appears in square brackets, the original field contained a null value and the date was inferred from ancillary collection information (see above description) (field name modified).

**Ocean:** Ocean (Pacific or Atlantic) from which specimens were collected (unmodified).

**Province/State:** Province or state where specimens were collected (unmodified).

**FW Collection:** Code indicating is specimens were reported as taken in fresh water; value is “1” if freshwater and blank otherwise (field added).

**Precise Locality:** Collection locality listed in NMNH database (edited for consistency).

**Collector(s):** Collectors identified in NMNH database (unmodified).

**Notes:** Miscellaneous notes usually related to determination of synonyms (field added).