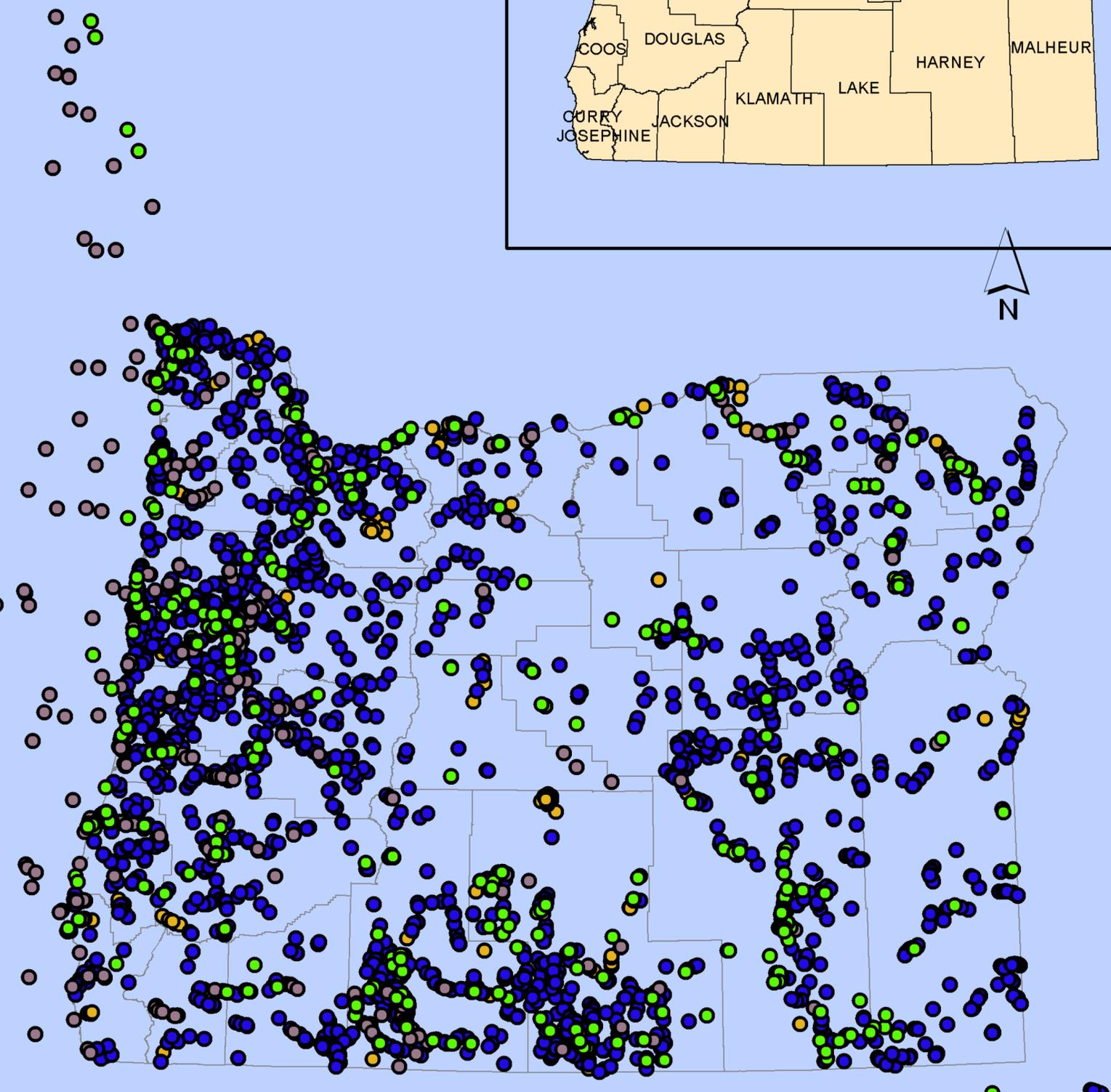Museum collection viewed by county

Use magnifying tool to zoom in
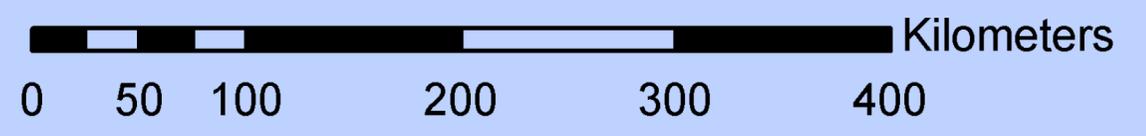
Pacific Ocean
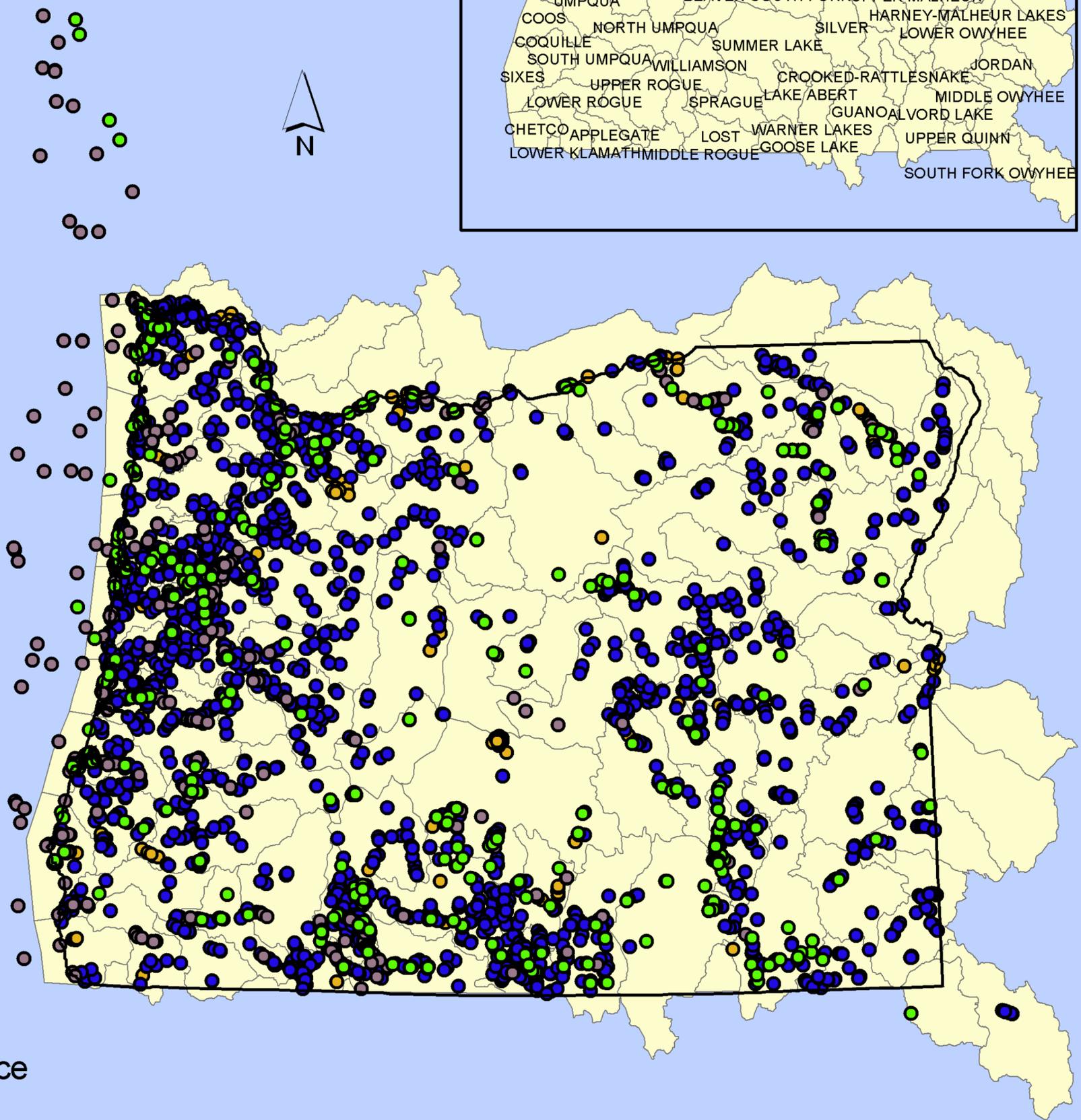
N

Data Source

- California Academy of Science
- University of Michigan
- Oregon State University
- Smithsonian Institute

Kilometers

0 50 100 200 300 400

County labels (inset map): CLATSOP, COLUMBIA, HOOD RIVER, WASHINGTON, TILLAMOOK, SHERMAN, UMATILLA, WALLOWA, YAMHILL, GILLIAM, MORROW, UNION, CLACKAMAS, WASCO, TILLAMOOK, POLK, MARION, WHEELER, BAKER, LINCOLN, BENTON, LINN, JEFFERSON, GRANT, LANE, CROOK, DESCHUTES, COOS, DOUGLAS, HARNEY, MALHEUR, KLAMATH, LAKE, CURRY, JOSEPHINE, JACKSON

Museum collection viewed by watersheds

LOWER COLUMBIA-CLATSKANIE
LOWER COLUMBIA
NECANICUM
MIDDLE COLUMBIA-LAKE WALLULA
LOWER SNAKE-ASOTIN
WALLA WALLA
NEHALEM
LEWISKLICKITAT
TUALATIN
MIDDLE COLUMBIA-HOOD
UMATILLA
LOWER SALMON
YAMHILL
MOLALLA-PUDDING
WILLOW
WALLOWA
IMNAHA
LOWER DESCHUTES
LOWER JOHN DAY
NORTH FORK JOHN DAY
SILETZ-YAQUINA
POWDER
UPPER WILLAMETTE
TROUT
BURNT
ALSEA
LOWER CROOKEDUPPER JOHN DAY
WEISER
MCKENZIE
WILLOW
SIUSLAW
UPPER DESCHUTES
SILVIES
BULLY
SILTCOOS
BEAVER-SOUTH FORKUPPER MALHEUR
UMPQUA
COOS
NORTH UMPQUA
SILVER
HARNEY-MALHEUR LAKES
COQUILLE
SUMMER LAKE
LOWER OWYHEE
SOUTH UMPQUA
WILLIAMSON
SIXES
CROOKED-RATTLESNAKE
JORDAN
UPPER ROGUE
LAKE ABERT
MIDDLE OWYHEE
LOWER ROGUE
SPRAGUE
GUANOALVORD LAKE
CHETCO
APPLEGATE
LOST
WARNER LAKES
UPPER QUINN
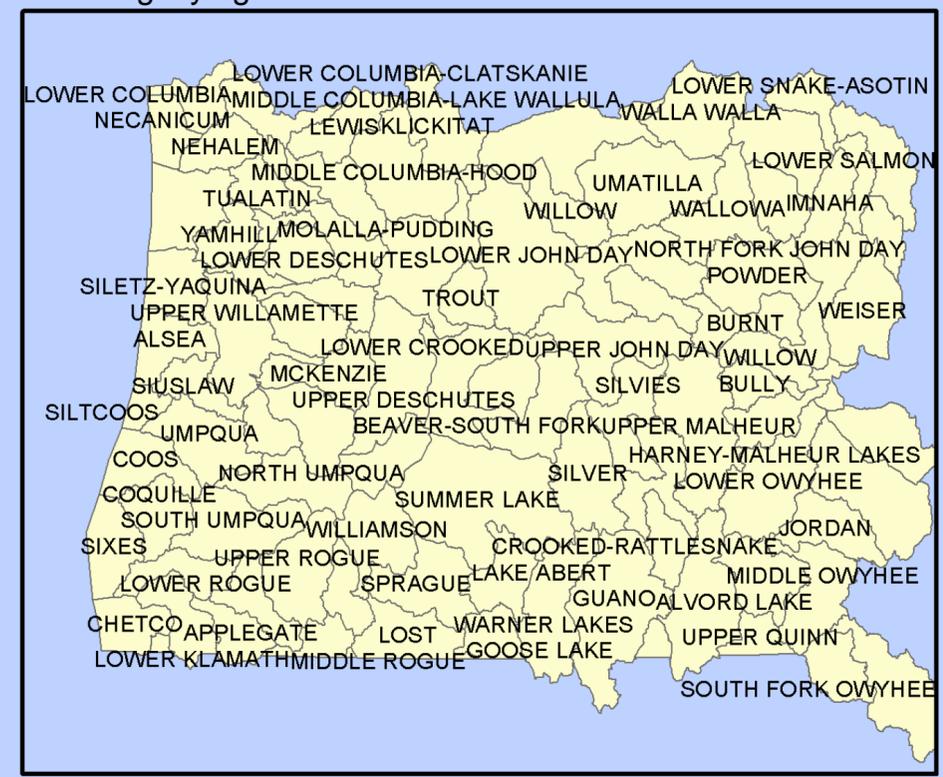LOWER KLAMATHMIDDLE ROGUE
GOOSE LAKE
SOUTH FORK OWYHEE

N

Pacific Ocean

Data Source

- California Academy of Science

- University of Michigan

- Oregon State University

- Smithsonian Institute

Kilometers

0   50   100   200   300   400

Fish Museum Procedure

Electronic copies of fish museum records were obtained from Oregon State University (4900 records), the Smithsonian (470 records), the University of Michigan (900 records), and the California Academy of Sciences. Collection sites were located on digital stream network maps at 1:100,000 scale. The stream networks were created from the downloaded files from the Oregon State GIS Service Center in Salem (http://www.sscgis.state.or.us) and the USGS Digital Line Graphs (http://www.ftpedu.org.usgs/pub/data/DLG/100k).   The DLG files were then imported into the ARC-INFO GIS using the DLGARC command module. The original stream networks were in the Lambert projection and were projected into the UTM coordinate system zone 10. The collection sites were then located on these stream networks and snapped onto the stream line. The elevation of each collection site is obtained from the digital elevation models (DEMs). The DEMs were downloaded from the National Mapping Service, USGS (http://www.ftpedu.org.usgs/pub/data/DEM/100K). The DEMs were tranformed into an ARC-INFO grid format using the DEMLATTICE module. Twenty DEMs that covered the State of Oregon were combined together using the LATTICEJOIN command. Following that, the combined DEMs was projected into the UTM coordinate system zone 10.   The elevation of each collection point was derived from the DEMs using the LATTICESPOT command, and stored in an item named 'SPOT' that was added to the original point coverage. The point coverage was reprojected back to the Geographic Coordinate System to obtain the latitude and longitude coordinates. Both the UTM and Geographic coordinate coverage were exported into text-files using the UNGENERATE command.   Similarly, in TABLES we UNLOAD the SPOT and POINT-ID numbers to create a text file for the elevation values. The three text files were linked back to the original data base in Dbase. We imported the complete data-base back into the ARC-INFO GIS and saved it as a look-up table: OSUGIS.LUT. We linked the look-up table to the point coverage by an item named "GISLINK".