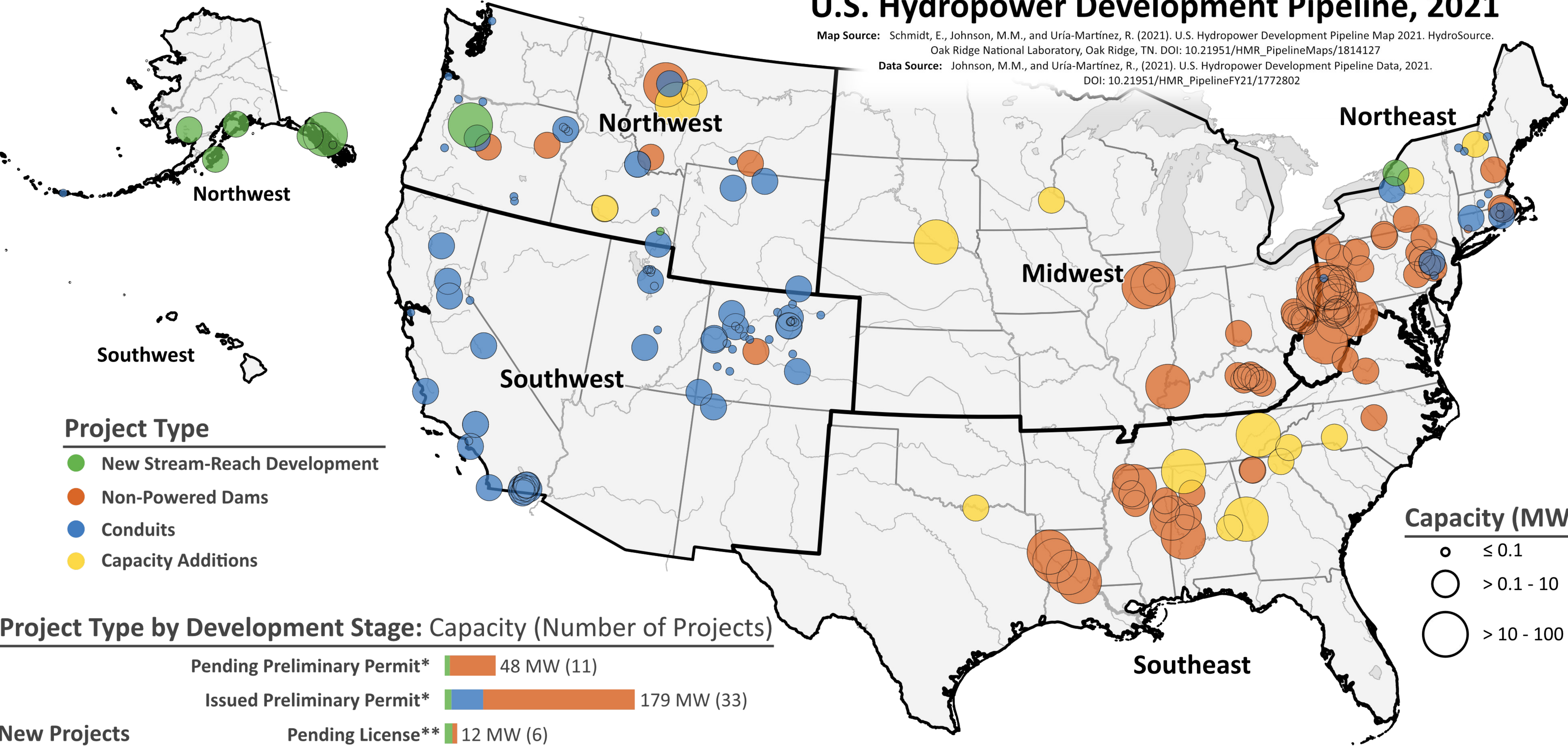


U.S. Hydropower Development Pipeline, 2021

Map Source: Schmidt, E., Johnson, M.M., and Uría-Martínez, R. (2021). U.S. Hydropower Development Pipeline Map 2021. HydroSource. Oak Ridge National Laboratory, Oak Ridge, TN. DOI: 10.21951/HMR_PipelineMaps/1814127

Data Source: Johnson, M.M., and Uría-Martínez, R., (2021). U.S. Hydropower Development Pipeline Data, 2021. DOI: 10.21951/HMR_PipelineFY21/1772802



Project Type

- New Stream-Reach Development
- Non-Powered Dams
- Conduits
- Capacity Additions

Capacity (MW)

- ≤ 0.1
- > 0.1 - 10
- > 10 - 100

Project Type by Development Stage: Capacity (Number of Projects)

Pending Preliminary Permit* ■ 48 MW (11)

Issued Preliminary Permit* ■ ■ 179 MW (33)

Pending License** ■ 12 MW (6)

Issued License** ■ ■ ■ 612 MW (130)

Under Construction ■ 12 MW (2)

Planning ■ 157 MW (10)

Under Construction ■ 19 MW (6)

*Projects in the Pending Preliminary Permit and Issued Preliminary Permit stages are undergoing feasibility studies and have high attrition rates.

**Pending License includes projects that have applied for authorization from FERC (license, FERC exemption, or "qualifying conduit" status) or Bureau of Reclamation. Issued License includes projects that have received those authorizations.