

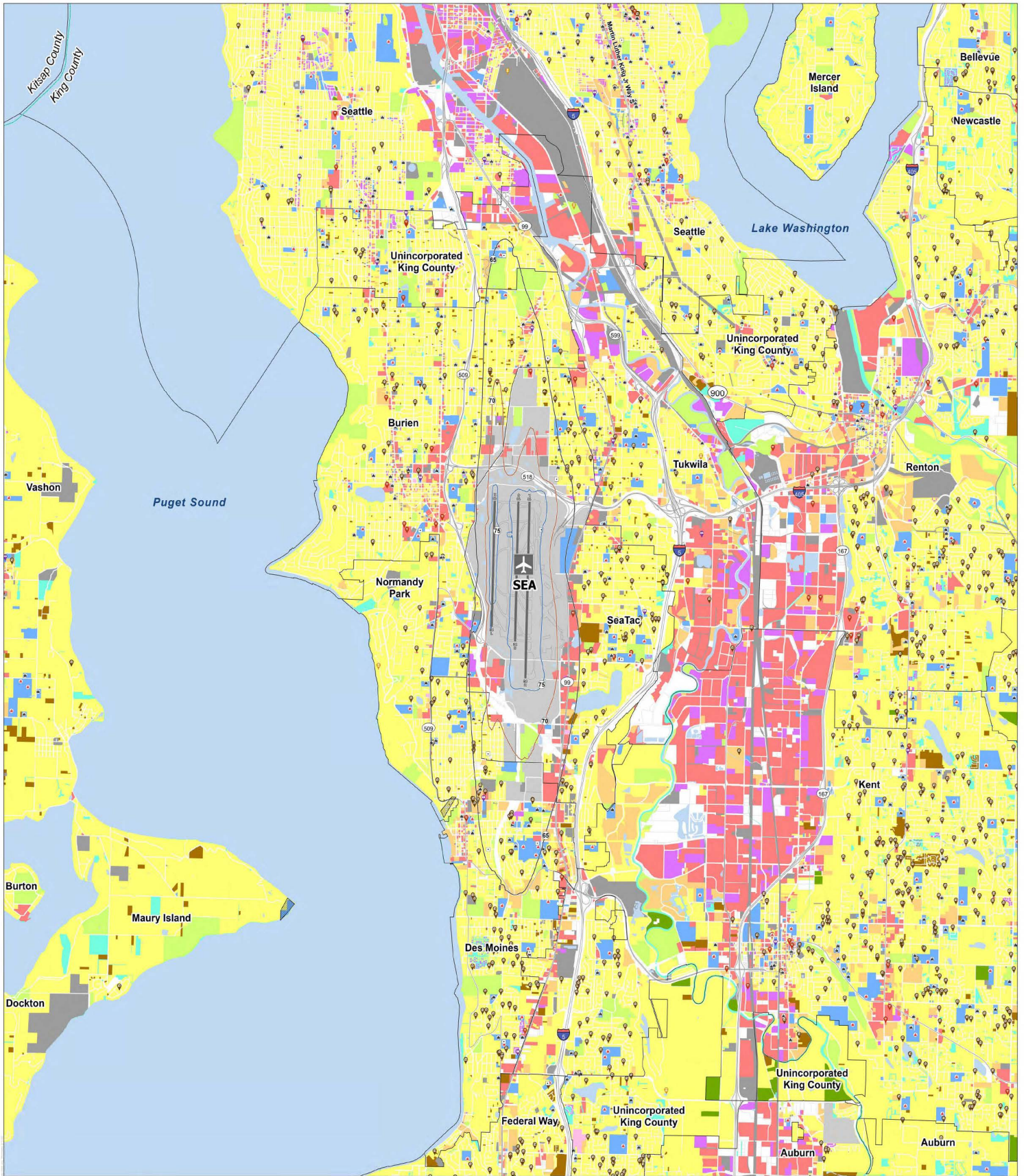
Appendix H.

Official Noise Exposure Maps

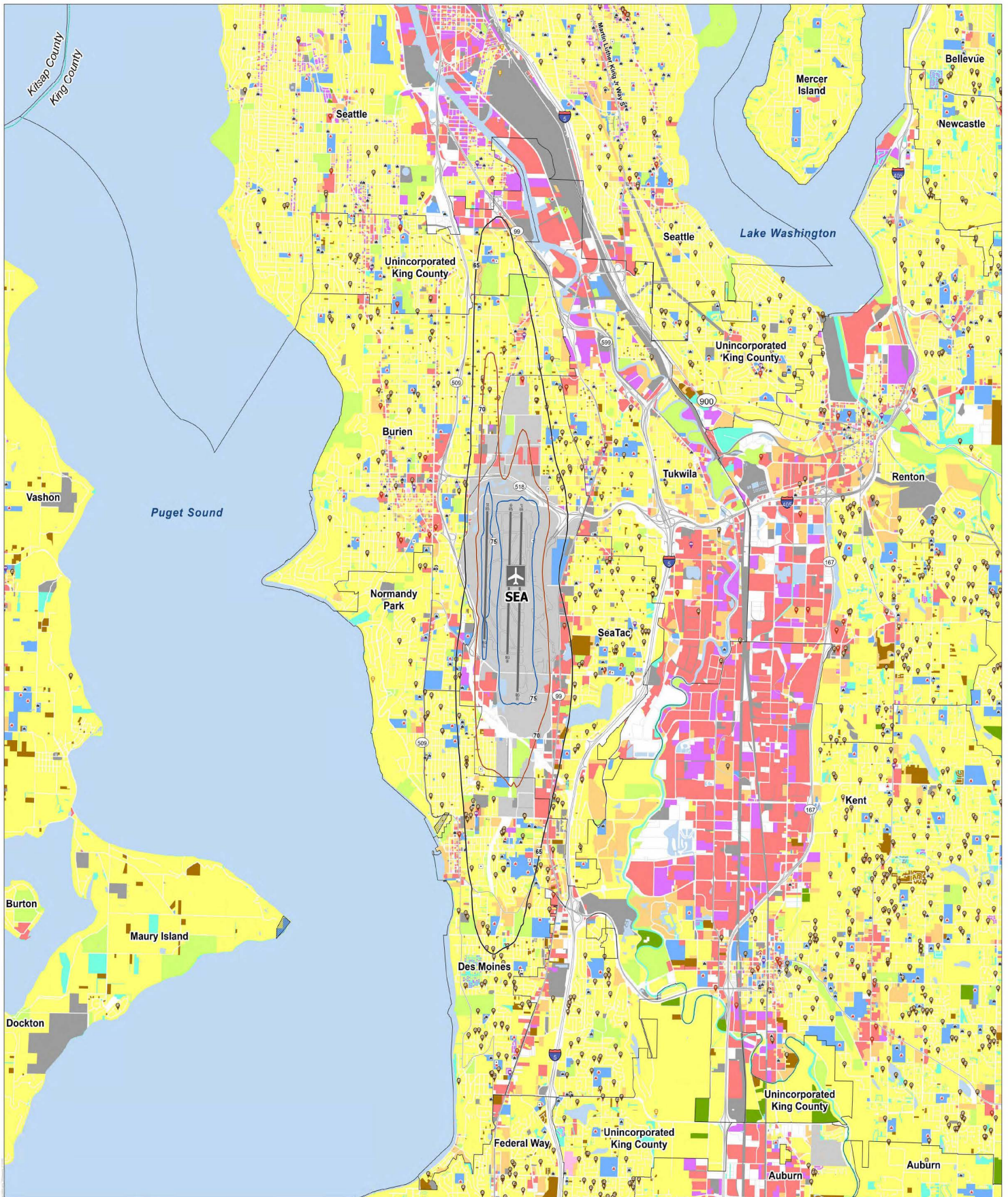
This Appendix contains the official Noise Exposure Maps (NEMs) developed as a part of the Seattle-Tacoma International Airport (SEA) Part 150 Study. This Appendix also includes the Aviation Environmental Design Tool (AEDT) flight tracks used in modeling. The AEDT flight tracks include a central “backbone” flight track that is combined with subtracks to depict the dispersion of arrivals and departures at SEA. These flight tracks are used in AEDT to generate the 2022 Existing Conditions and 2032 Future Conditions NEMs. Items included are listed below.

- Appendix H-1: 2022 Existing Conditions Noise Exposure Map
- Appendix H-2: 2032 Future Conditions Noise Exposure Map
- Appendix H-3: North Flow Model Flight Tracks
- Appendix H-4: South Flow Model Flight Tracks

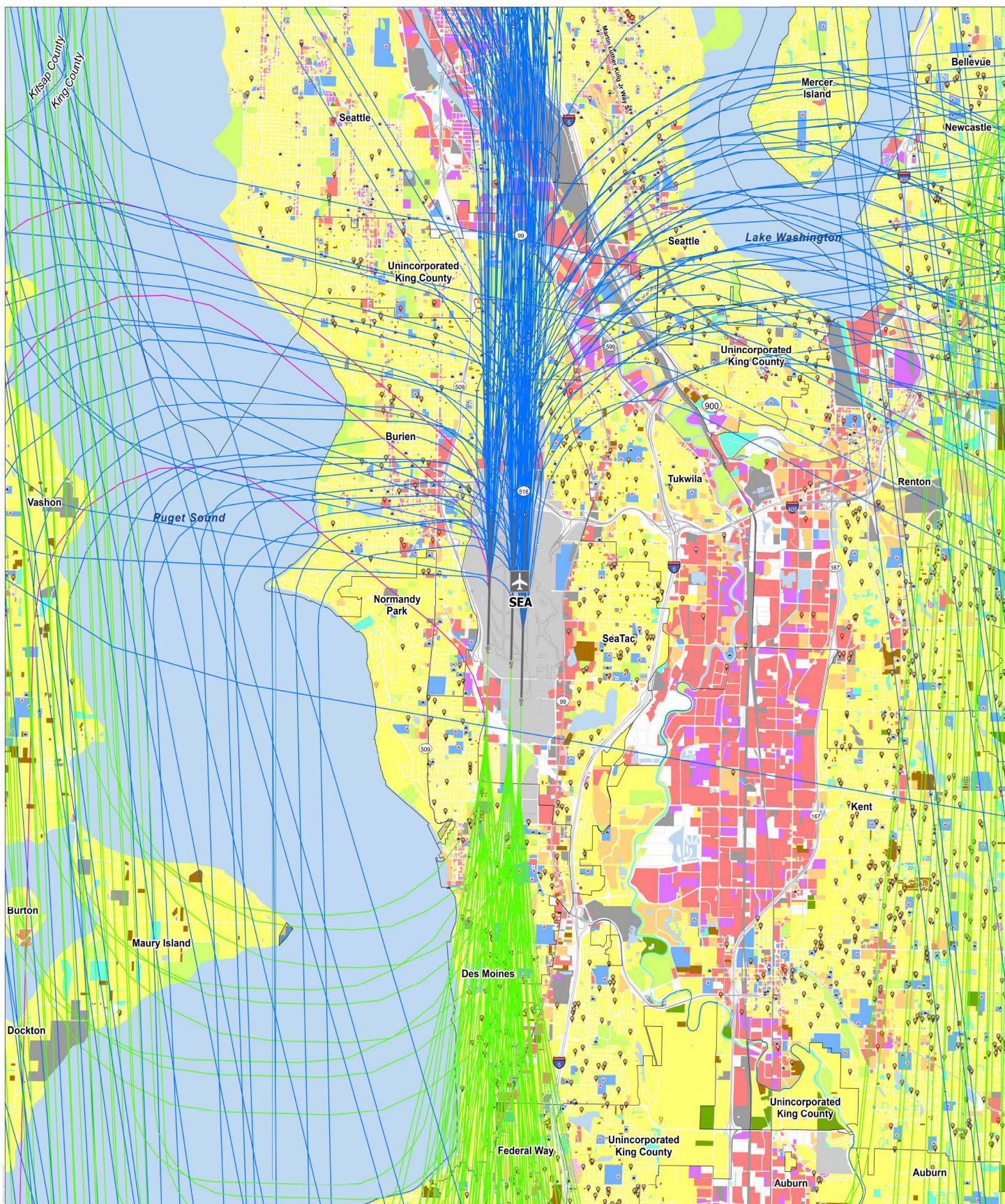
H-1 2022 Existing Conditions Noise Exposure Map



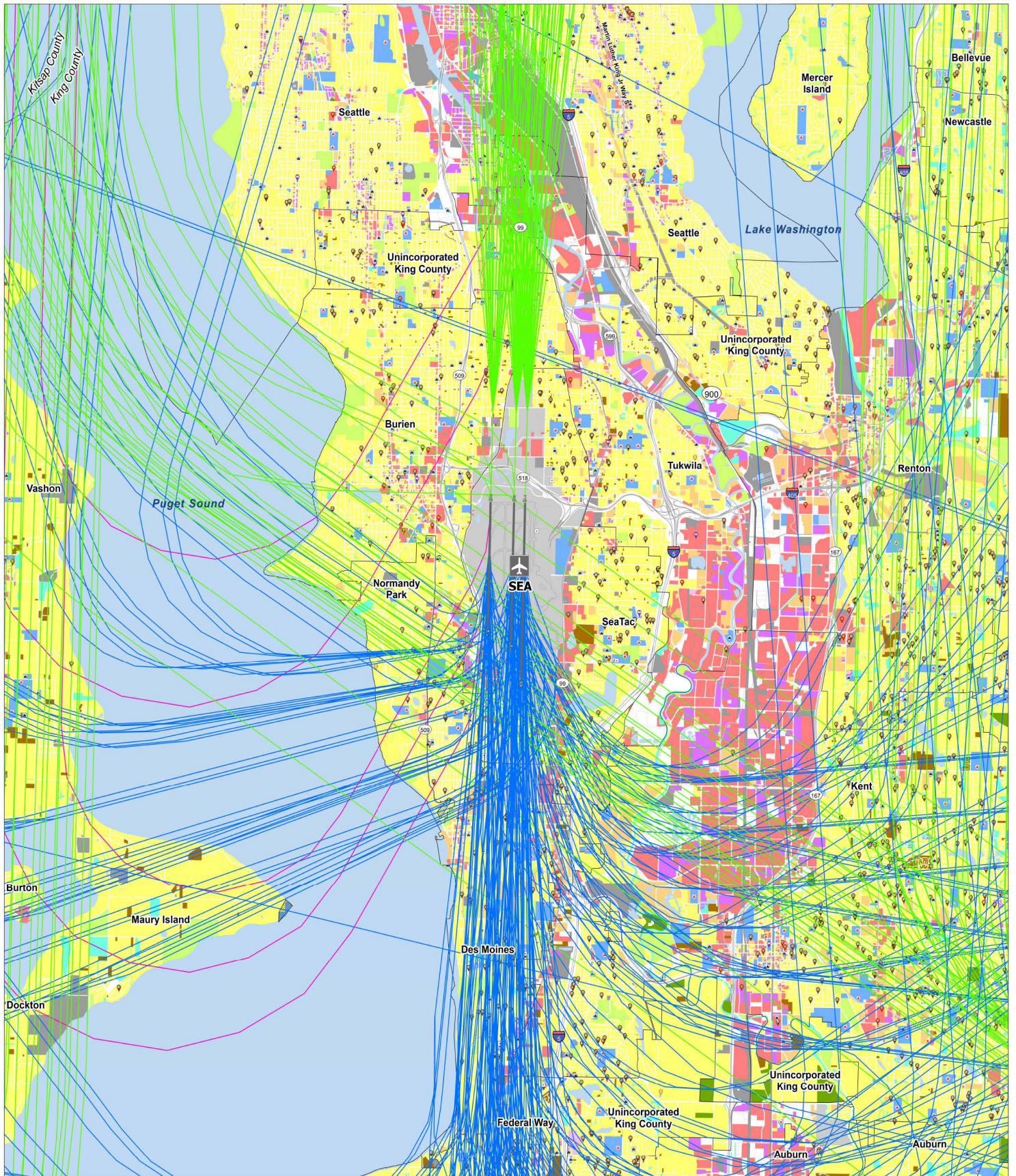
H-2 2032 Future Conditions Noise Exposure Map



H-3 North Flow Model Flight Tracks



H-4 South Flow Model Flight Tracks



SEA Seattle-Tacoma International Airport
Operated by the Port of Seattle

Legend
County Boundary
Jurisdiction Boundary
SEA Permanent Noise Monitor
Flight Track Type
Arrivals
Departures
Mixed Approach

Generalized Land Uses
Residential - Single Family
Residential - Multi-Family
Residential - Mobile Home
Residential - Mixed Use
Commercial
Industrial/Manufacturing

Parks, Recreation, Open Space
Public Facilities/Institutions
SEA and Port of Seattle Land
Transportation/Utilities
Unincorporated
Vacant

Library
School, University, or Educational Facility
Hospital or Medical Center
Long Term Residential Care/Nursing Home
Place of Worship
Historic Resource
Historic District



0 4,000
Feet
1" = 2,000'

Figure H-4
South Flow Model Flight Tracks
Map 4 of 4
Seattle-Tacoma International Airport

SOURCE: DMAP NTP NEPA EA, 2024; State of Washington Geospatial, 2024; King County GIS Center, 2024; King County Assessor, 2024; US2020 WA Transportation; Adapted by SEA, 2020; SEA, 2020; SEA, 2020.