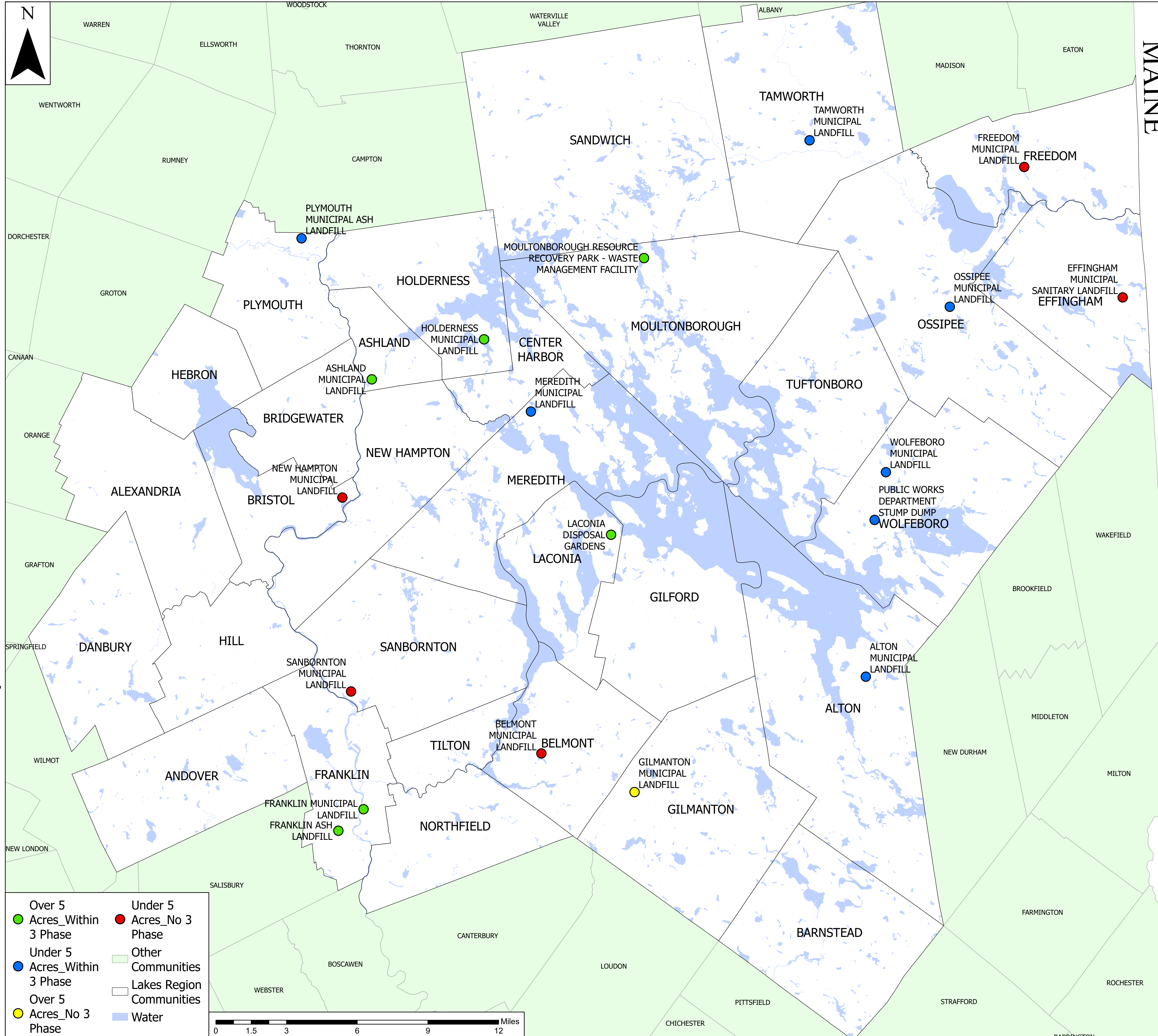


Lakes Region Potential Solid Waste Solar Sites

MAINE



Over 5 Acres_Within 3 Phase	Under 5 Acres_No 3 Phase
Under 5 Acres_Within 3 Phase	Other Communities
Over 5 Acres_No 3 Phase	Lakes Region Communities
	Water



- Solar Criteria**
- Minimum 5 acres (1mW/5 acres rule of thumb)
 - Not more than a mile from 3 phase power
 - No hydric soils (wetlands)
 - No steep slopes (>15%)
 - Maximize southern exposures (minimal north facing slopes)
 - Access/ ROW to Site

- Methodology**
1. Obtained 2022 Digital Elevation Model data from USGS.
 2. Obtained solid waste facility locations from NHGranit layer.
 3. Used state tax parcel map to identify boundary lines of solid waste properties.
 4. Verified on town tax maps.
 5. Used slope tool to get percent of slope.
 6. Used aspect tool to tell direction of slope.
 7. Removed all north, northeast, and northwest facing slopes.
 8. No slopes over 15 percent.
 9. Created polygon of suitable locations using satellite basemap to include mostly cleared areas and minor wooded areas.
 10. Used national wetland inventory (NWI) to create potential areas outside of known wetlands.
 11. Avoided built infrastructure when creating polygons of suitable area.
 12. Calculated acreage and separated parcels into “over 5-acres” and “under 5-acres”.
 13. Used NH utility companies hosting capacity maps and to determine distance of potential sites to 3-phase power lines.
 14. Checked google street view, where available, to inspect for 3-phase lines.
 15. Created color-coded points to make sites more visible on a regional level.

Digital data layers used in this map were acquired through NH GRANIT, New Hampshire's Statewide GIS clearinghouse. NH GRANIT represents the efforts of contributing agencies to record information from cited source materials. Complex Systems Research Center (CSRC), under the contract to the NH Office of Planning and Development (NHOPD), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. Neither LRPC, NHOPD, nor CSRC make any claim to the validity or reliability or to any implied uses of these data.

This map is for planning purposes only.

