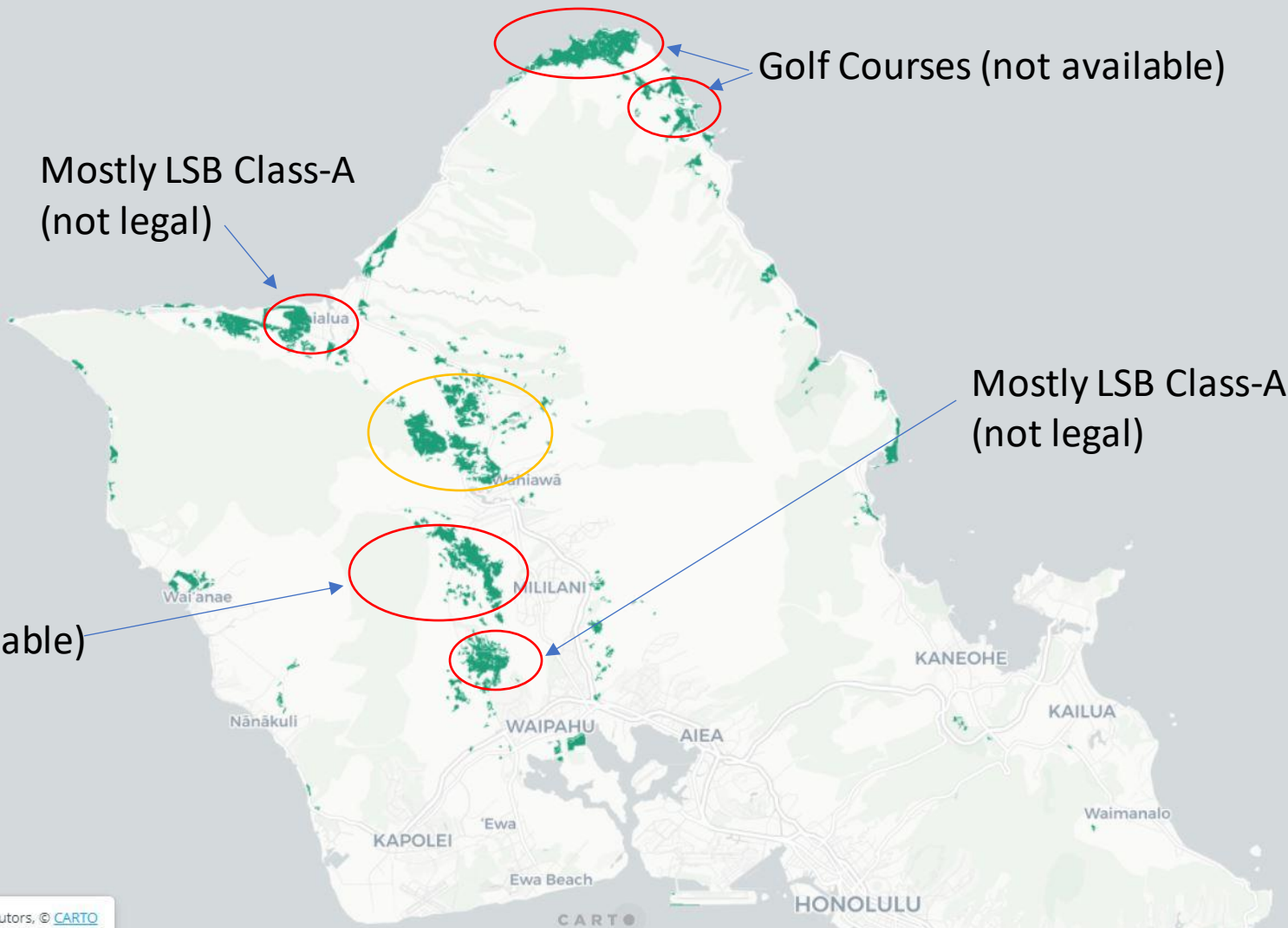


Solar Assessment O'ahu PV 1-3

Calculated = 907 MW

- PV-Alt-4
- PV-Alt-3
- PV-Alt-2
- PV-Alt-1
- PV-1-3
- INCLUDED LAND
- PV-1-5
- PV-2-3
- PV-2-5
- PV-3-3
- PV-3-5



Solar Assessment O'ahu PV Alt-1&4

Calculated = Multiple GW

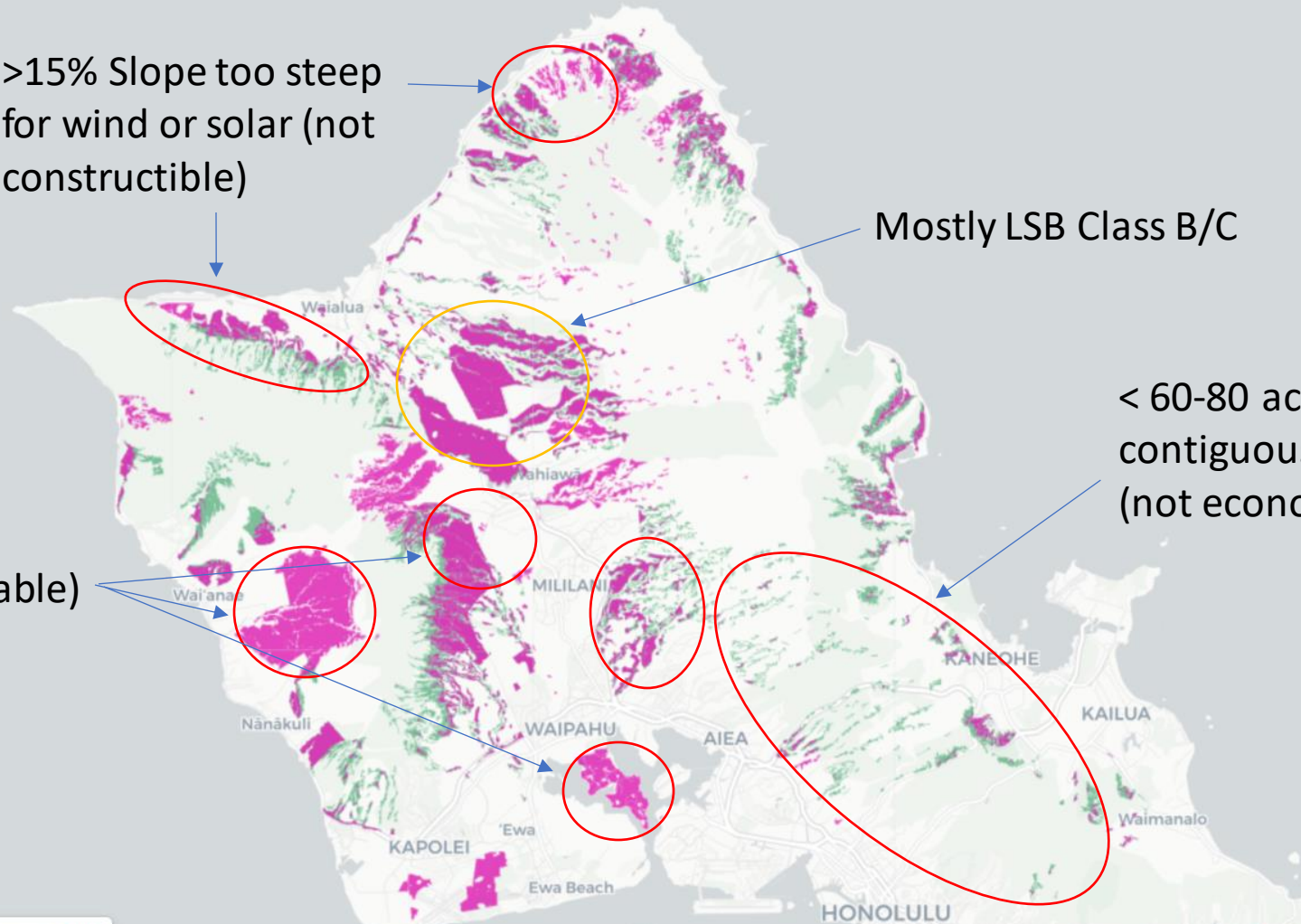
- PV-Alt-4
- INCLUDED LAND
- PV-Alt-3
- PV-Alt-2
- PV-Alt-1
- INCLUDED LAND
- PV-1-3
- PV-1-5
- PV-2-3
- PV-2-5
- PV-3-3
- PV-3-5

>15% Slope too steep for wind or solar (not constructible)

Mostly LSB Class B/C

< 60-80 acres contiguous land (not economical)

Military (not available)



Common Industry Standards for Solar Development

Developers use different metrics depending on many factors, but these are common baselines to screen sites in Hawaii.

- Solar Resource \geq 25% Net Capacity Factor NCFac/tracking or 17% NCFdc/fixed
- Slope \leq 10% for tracking; 15% fixed-tilt
- Distance to transmission \leq 1.5 miles
- Contiguous land/parcel size \geq 80 acres/20 MW tracking; 60 acres/20 MW fixed

*A generic 20 MW tracking solar+storage project on O'ahu @ PPA price \$120-130/MWh
Less favorable conditions and smaller projects will increase costs.*

- Solar Resource = 27% Net Capacity Factor (NCFac) ac/tracking
- Slope \leq 10%
- Distance to transmission = 0.5 miles
- Land = 80 acres