

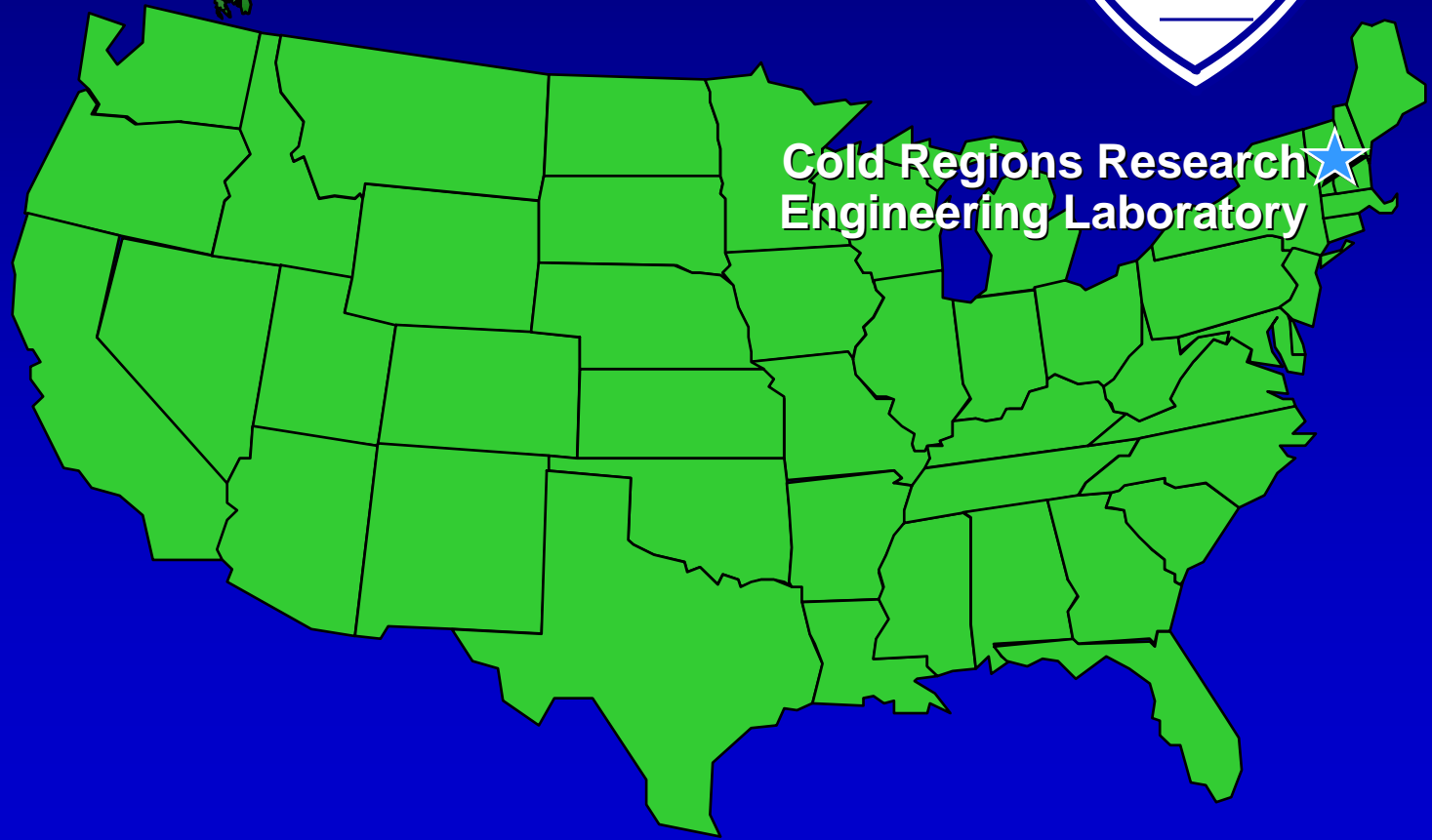
Cold Regions Research and Engineering Laboratory



Alaska Projects Office

Anchorage Field Office

Cold Regions Research
Engineering Laboratory



Current Arctic Research

- Arctic Atmosphere, Sea Ice and Ocean
 - Synthesis of Arctic System Science (SASS)
 - Study of Northern Alaska Coastal System (SNACS)
 - Ice Albedo and Ice Morphology
 - Ice Mass Balance (IMB) Buoys
 - North Pole, Int'l Arctic Buoy Program
 - European Union Damocles project



- Ice Sheets, Snow, Tundra and Permafrost
 - Summit, Greenland firn and air exchange
 - AK Snow Transect Nome to Barrow
 - CRREL Permafrost Tunnel – Fox, AK

- Environmental Quality and Remediation, Infrastructure
 - Eagle River Flats AK remediation studies
 - Cold Temperature concrete mixtures

07/08/2005

Future Arctic Research

- **International Polar Year**

- Ice Mass Balance (IMB) Buoys monitoring ice mass, heat fluxes
- Ice Dynamics -- Arctic Ice Experiment (ICEX) Ice deformation

- Air-ice-ocean turbulent boundary layer heat fluxes

- Ice Albedo evolution and Ice morphology

- Antarctic – Snow Road to S. Pole , Cool Robot

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