

Conservation Effects Assessment Project (CEAP)

- CEAP sample consists of points sampled from NRI cropland points.
- An on-site study to quantify soil and nutrient loss from cropland and pastureland.
- Model based small area estimation
 - * integrate population level soil and crop data to implement model (Lyu, Berg and Hofmann, submitted)
 - data quality of auxiliary variables
 - integrity of overlay operation

Public databases

- Soil data layer (SDL)
 - * maintained by USDA NRCS since 1896
 - * tabular and spatial soil information available for the United States and the Territories
- Cropland data layer (CDL)
 - * created by USDA NASS since 1997
 - * created annually for the contiguous United States since 2008
 - * geo-referenced crop-specific land cover data