

Soils Laboratory Diagram  
V10 03/09/2021 DRAFT

Workstation App

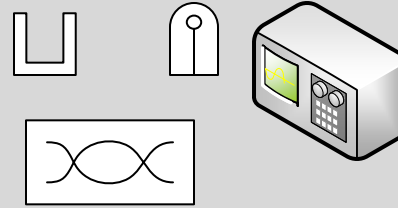
Internal Web App

Soils Network DB

External DB

Public Web App

Laboratory Equipment



Internal & Public Workstations

Lab Data Reports

Pedon Descriptions Reports

CSV Files

NCSS\_Soil\_Characterization\_Database  
ESRI File GeoDatabase and Access  
Database from file share

Internal KSSL Workstation

KSSL Laboratory  
Information  
Management  
System (LIMS)

Public Web  
Application

NCSS Lab Data  
Mart Application

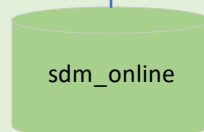
Custom Query Result

Custom Query Result

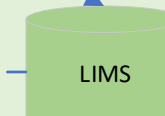
Custom Query Result

Manual Transfer Download  
NCSS\_Soil\_Characterization\_Database.zip

NCSS\_Soil\_Characterization\_Database.zip



Fileshare  
for Access  
DBs



NRCPSI  
10.203.20.95,26020



NASIS

Manual  
Transfer

NCSS Lab Data  
Mart Database  
NCSSLabdata

Batch Process



SSL\_Repo

Batch Process

On demand Batch Job

Kellogg Soil  
Survey  
Laboratory  
(KSSL)  
supports  
the  
National  
Cooperative  
Soil Survey  
(NCSS)



AOINELI93AP1  
10.203.19.50

Data Bases

Soils Classification (SC) Official  
Soils Series Descriptions (OSD)  
Diagram  
v1 11/04/2019 DRAFT

Workstation App

Internal Web App

Soils Network DB

External DB

Public Web App

Public and Non Soils  
Internal Users

Soil Survey Regional  
Office User

Soil Survey  
Office User

Soil Survey Office  
Workstation Applications

OSD Check  
Application

Download files for Public and  
Internal End Users

Official Soils  
Series  
Descriptions

SC/OSD  
Reports

Soil Survey Regional Office Files

Official Soils  
Series  
Descriptions

SC/OSD  
Reports

Soil Survey Office Files

Official Soils  
Series  
Descriptions

SC/OSD  
Reports

Soils File Share &  
SQL Data Bases

NASIS

Official Series  
Descriptions  
(OSD) File Share

SC/OSD  
Application

SC/OSD  
Maintenance  
Application

Web Applications

