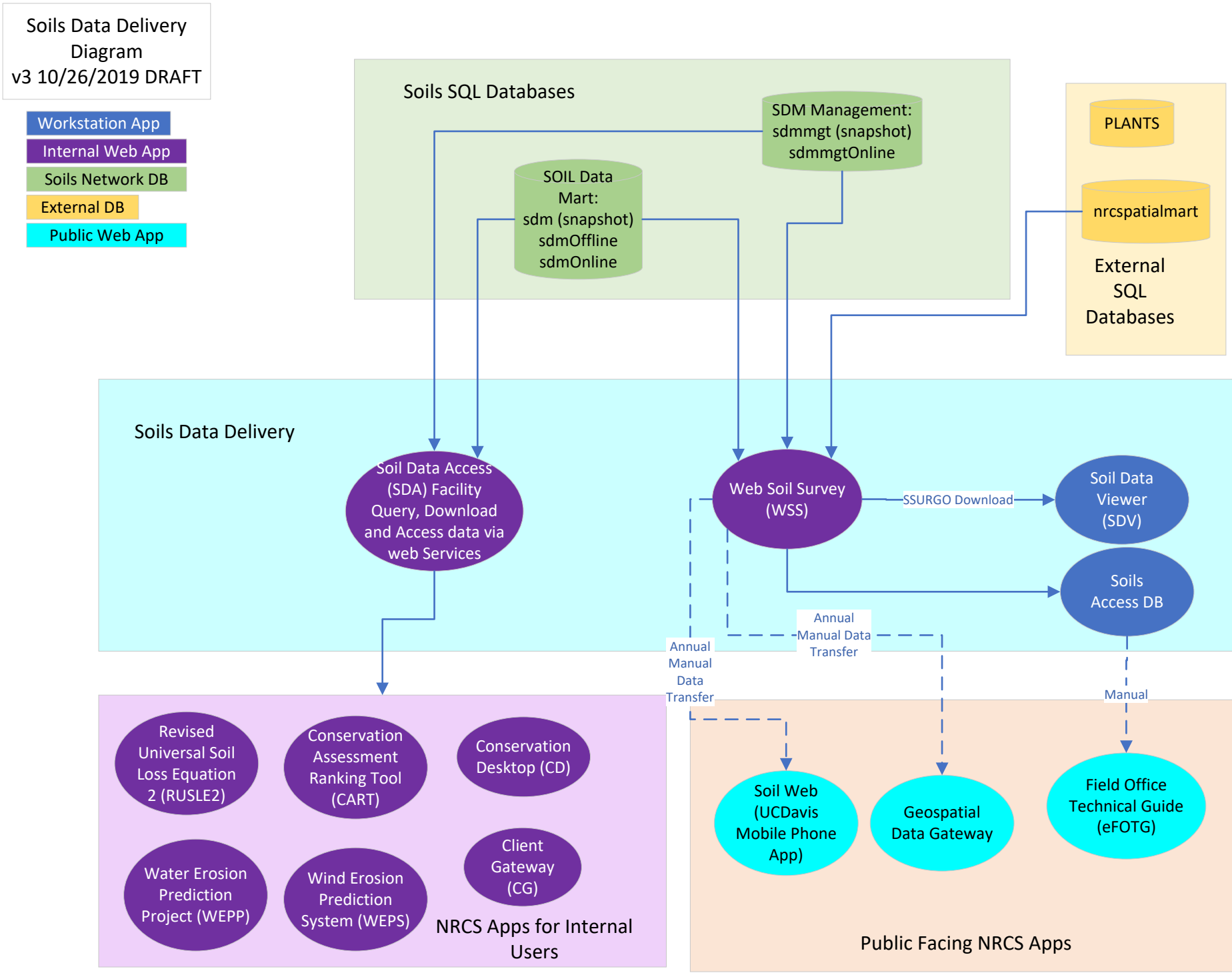
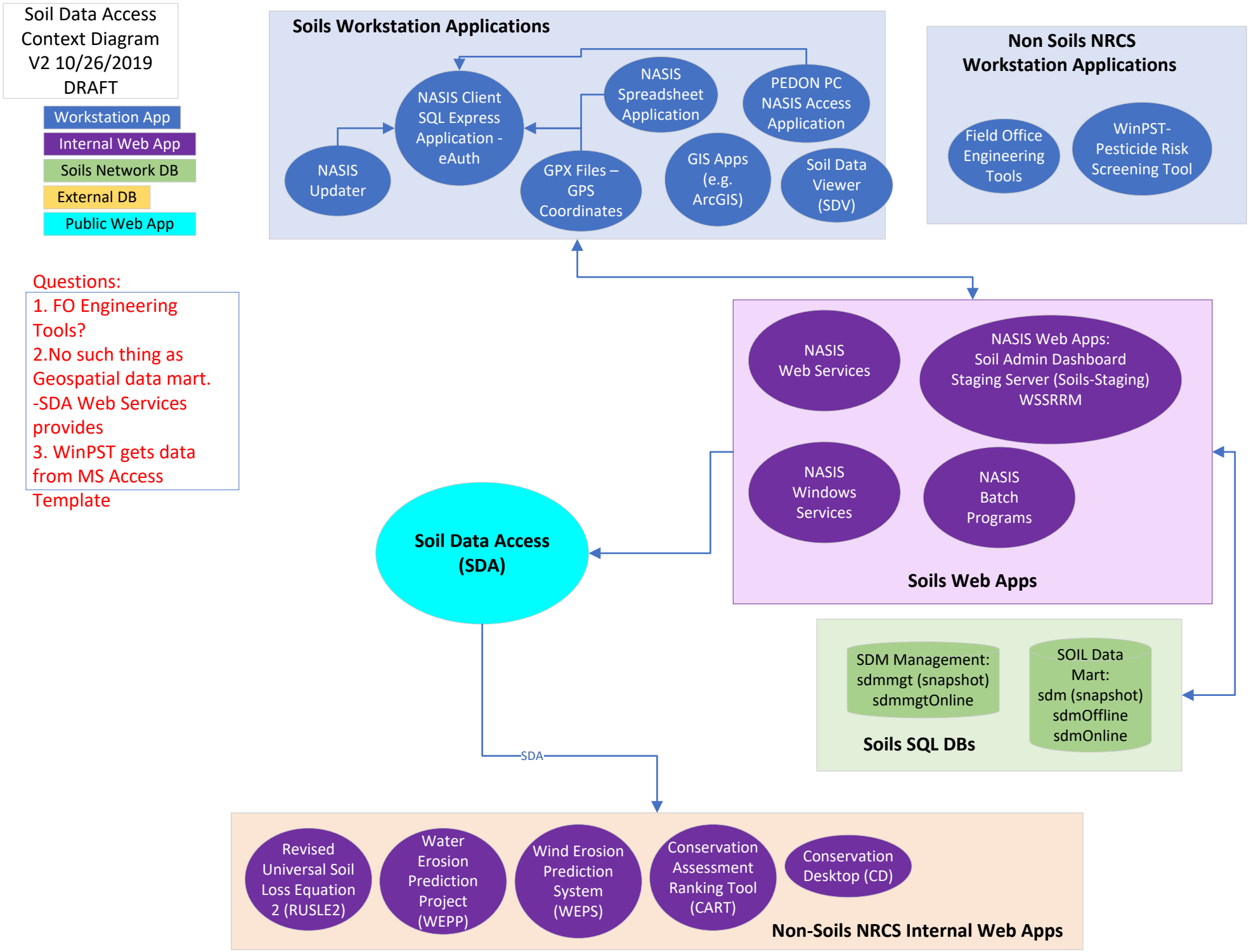
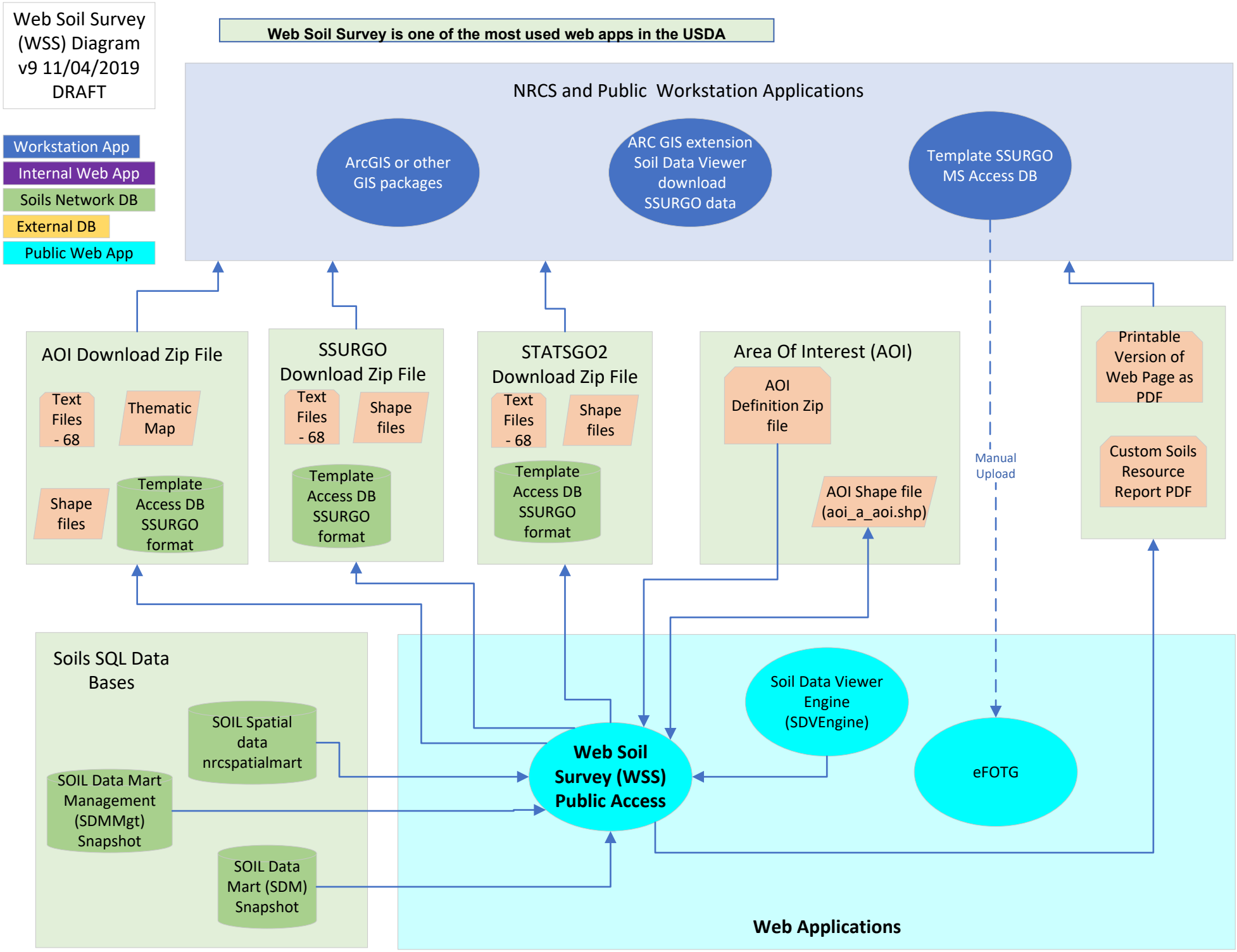
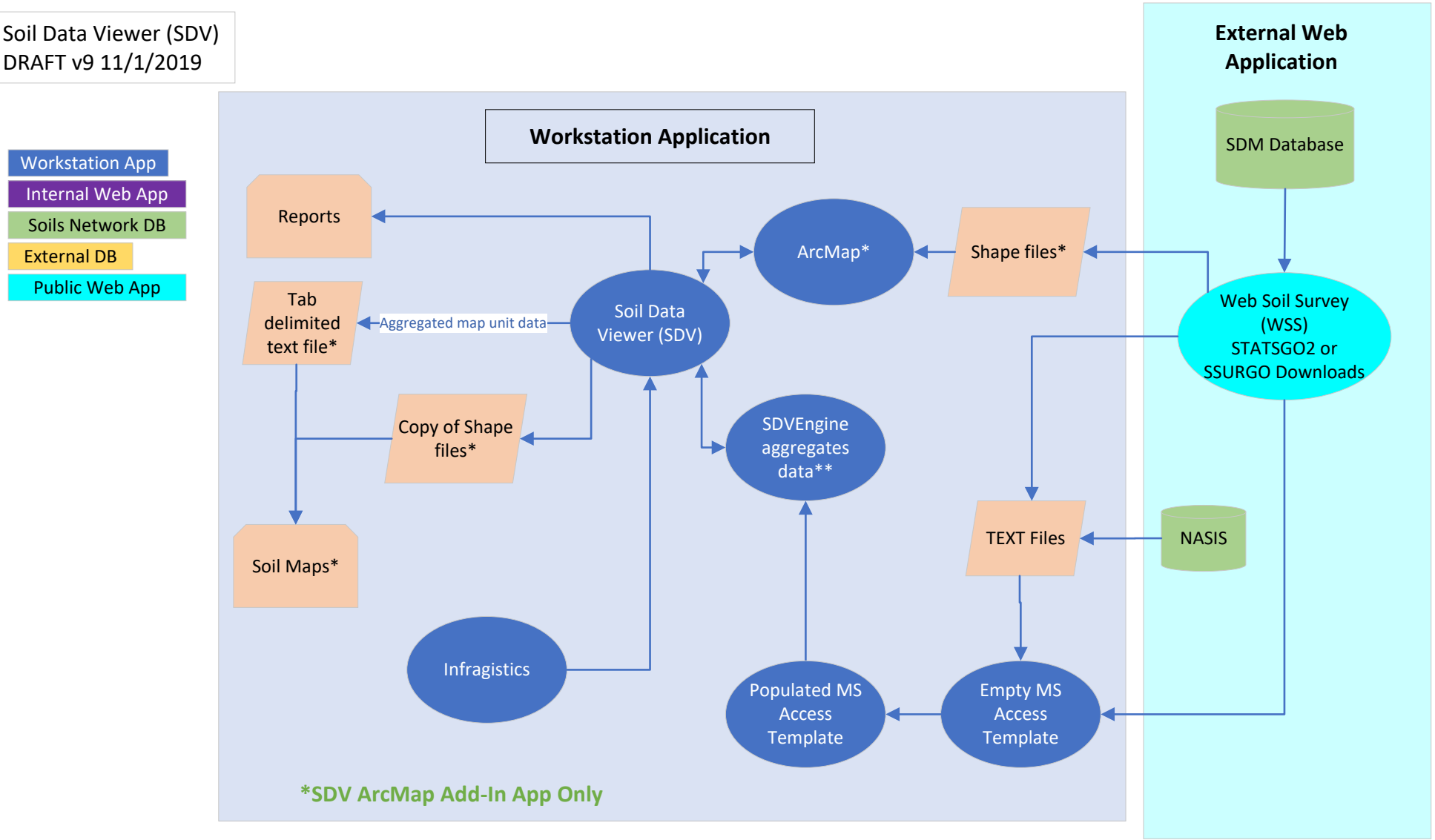

Soils Data Delivery Diagram
v3 10/26/2019 DRAFT
Workstation App
Internal Web App
Soils Network DB
External DB
Public Web App
Soils SQL Databases
SDM Management:
sdmmgt (snapshot)
sdmmgtOnline
SOIL Data Mart:
sdm (snapshot)
sdmOffline
sdmOnline
PLANTS
nrcspatialmart
External SQL Databases
Soils Data Delivery
Soil Data Access (SDA) Facility Query, Download and Access data via web Services
Web Soil Survey (WSS)
SSURGO Download
Soil Data Viewer (SDV)
Soils Access DB
Annual Manual Data Transfer
Annual Manual Data Transfer
Manual
Revised Universal Soil Loss Equation 2 (RUSLE2)
Conservation Assessment Ranking Tool (CART)
Conservation Desktop (CD)
Water Erosion Prediction Project (WEPP)
Wind Erosion Prediction System (WEPS)
Client Gateway (CG)
NRCS Apps for Internal Users
Soil Web (UCDavis Mobile Phone App)
Geospatial Data Gateway
Field Office Technical Guide (eFOTG)
Public Facing NRCS Apps


Soil Data Access Context Diagram V2 10/26/2019 DRAFT
Workstation App
Internal Web App
Soils Network DB
External DB
Public Web App
Soils Workstation Applications
NASIS Client SQL Express Application - eAuth
NASIS Spreadsheet Application
PEDON PC NASIS Access Application
NASIS Updater
GPX Files – GPS Coordinates
GIS Apps (e.g. ArcGIS)
Soil Data Viewer (SDV)
Non Soils NRCS Workstation Applications
Field Office Engineering Tools
WinPST-Pesticide Risk Screening Tool
Questions:
1. FO Engineering Tools?
2.No such thing as Geospatial data mart. -SDA Web Services provides
3. WinPST gets data from MS Access Template
NASIS Web Services
NASIS Web Apps: Soil Admin Dashboard Staging Server (Soils-Staging) WSSRRM
NASIS Windows Services
NASIS Batch Programs
Soils Web Apps
Soil Data Access (SDA)
SDM Management: sdmmgt (snapshot) sdmmgtOnline
SOIL Data Mart: sdm (snapshot) sdmOffline sdmOnline
Soils SQL DBs
SDA
Revised Universal Soil Loss Equation 2 (RUSLE2)
Water Erosion Prediction Project (WEPP)
Wind Erosion Prediction System (WEPS)
Conservation Assessment Ranking Tool (CART)
Conservation Desktop (CD)
Non-Soils NRCS Internal Web Apps


Web Soil Survey (WSS) Diagram v9 11/04/2019 DRAFT
Web Soil Survey is one of the most used web apps in the USDA
Workstation App
Internal Web App
Soils Network DB
External DB
Public Web App
NRCS and Public Workstation Applications
ArcGIS or other GIS packages
ARC GIS extension Soil Data Viewer download SSURGO data
Template SSURGO MS Access DB
AOI Download Zip File
Text Files - 68
Thematic Map
Shape files
Template Access DB SSURGO format
SSURGO Download Zip File
Text Files - 68
Shape files
Template Access DB SSURGO format
STATSGO2 Download Zip File
Text Files - 68
Shape files
Template Access DB SSURGO format
Area Of Interest (AOI)
AOI Definition Zip file
AOI Shape file (aoi_a_aoi.shp)
Manual Upload
Printable Version of Web Page as PDF
Custom Soils Resource Report PDF
Soils SQL Data Bases
SOIL Spatial data nrcspatialmart
SOIL Data Mart Management (SDMMgt) Snapshot
SOIL Data Mart (SDM) Snapshot
Web Soil Survey (WSS) Public Access
Soil Data Viewer Engine (SDVEngine)
eFOTG
Web Applications

Soil Data Viewer (SDV)
DRAFT v9 11/1/2019



*Soil Data Viewer (SDV) exists as a standalone app and an ArcMap Add-In. The standalone app has less features than the ArcMap Add-In. The standalone app does not have the Shapefile input, the ArcMap connection or the Soil Maps output. The SDV ArcMap Add-In has these three features. The SDVArcMap Add-In brings additional functionality by leveraging the GIS functions in ArcMap. This includes the ability to incorporate the SSURGO shapefiles and thus create soil map layers. These soil map layers allow the user to create cartographic products and perform area-weighted calculations.

**The SDVEngine has the following database connections: nasis, sdm, sdmmgt, sdwstaging, and Microsoft Access (an MDB file called soildb.mdb). Its purpose is to aggregate data. For this diagram, it is only the Microsoft Access SSURGO database that is used for Soil Data Viewer and is input for the SDVEngine. The other databases like nasis are not used. SDVEngine is a generic DLL that accepts multiple database inputs and is used by multiple Soil applications to aggregate data (e.g. NASIS, WSS, Staging Server, SDV and the Soil Data Manager Windows service).