Interpreting Cropland/Pasture/Orchard/Range Report

Demo Project Summary

A single 60 acre parcel in Newell, IA. Baseline management, 2000-2021, consisted of conventional corn-soybean management with intensive tillage (corn) and reduced tillage (soybean). Scenario management remained identical to baseline management, however, all tillage transitioned to a no till planter 2022-2031.

Step 1 Activities | Step 2 Field Management | Step 3 Report

Cropland, Pasture, Range, Orchards/Vineyards | Cropland Graphical Report | Available Water Holding Capacity

Tabular Report

Report finished: 00:02:16 100% Complete

NAME: Haley Nagle
PROJECT: Croplands Demo Project
REPORTING YEARS: 2022 - 2031
Ti GMT-0600 (Mountain Daylight Time)
Version: WQ Test version 2.4.3, build 3.2.8294.14538 (16-Sep-2022)
Daycent Service Version: 2018 Daycent Service

USDA United States Department of Agriculture Natural Resources Conservation Service

Show uncertainty as percentage

Show IPCC Soil C

Source	Baseline Emissions		no till			
	Emissions	+/-	Emissions	+/-	Change	+/-
F1 (60 acres - Soybean, Corn)						
C *(tonnes CO_2 equiv./yr.)*	-2.4	+0/-0	-32.1	+0/-0	-29.7	+0/-0
CO_2 *(tonnes/yr.)*	0.0	+0/-0	0.0	+0/-0	0.0	+0/-0
CO *(tonnes CO_2 equiv./yr.)*	0.0	+0/-0	0.0	+0/-0	0.0	+0/-0
N_2O *(tonnes CO_2 equiv./yr.)*	33.6	NR†	33.6	NR†	0.0	NR†
CH_4 *(tonnes CO_2 equiv./yr.)*	0.0	+0/-0	0.0	+0/-0	0.0	+0/-0
Total	**31.2**	**NR†**	**1.5**	**NR†**	**-29.7**	**NR†**
Total (all parcels)	***31.2***	***NR†***	***1.5***	***NR†***	***-29.7***	***NR†***

Source Categories. Select "+" button to expand emission source and sub-source emission estimates. See image below.

Average annual tonnes of CO2 equivalent (IPCC global warming potentials) per parcel over a 10 year period assuming the last ten years of the baseline is continued into the ten years after the end of the baseline.

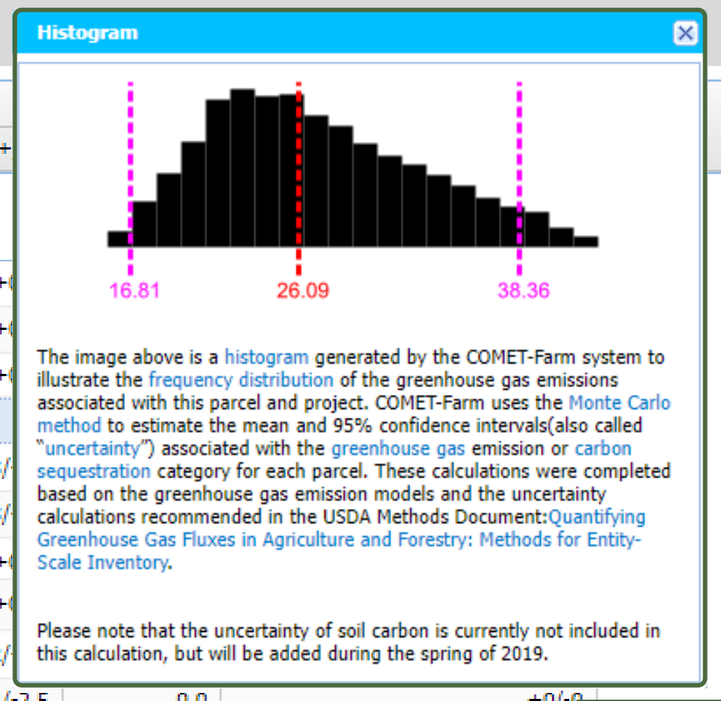
Average annual tonnes of CO2 equivalent (IPCC global warming potentials) per parcel over a 10 year period assuming the management changes made in the future scenario.

Change in emissions compared to baseline scenario.

*Negative results (green in the change column) indicate a reduction in emissions or increase in carbon sequestered.

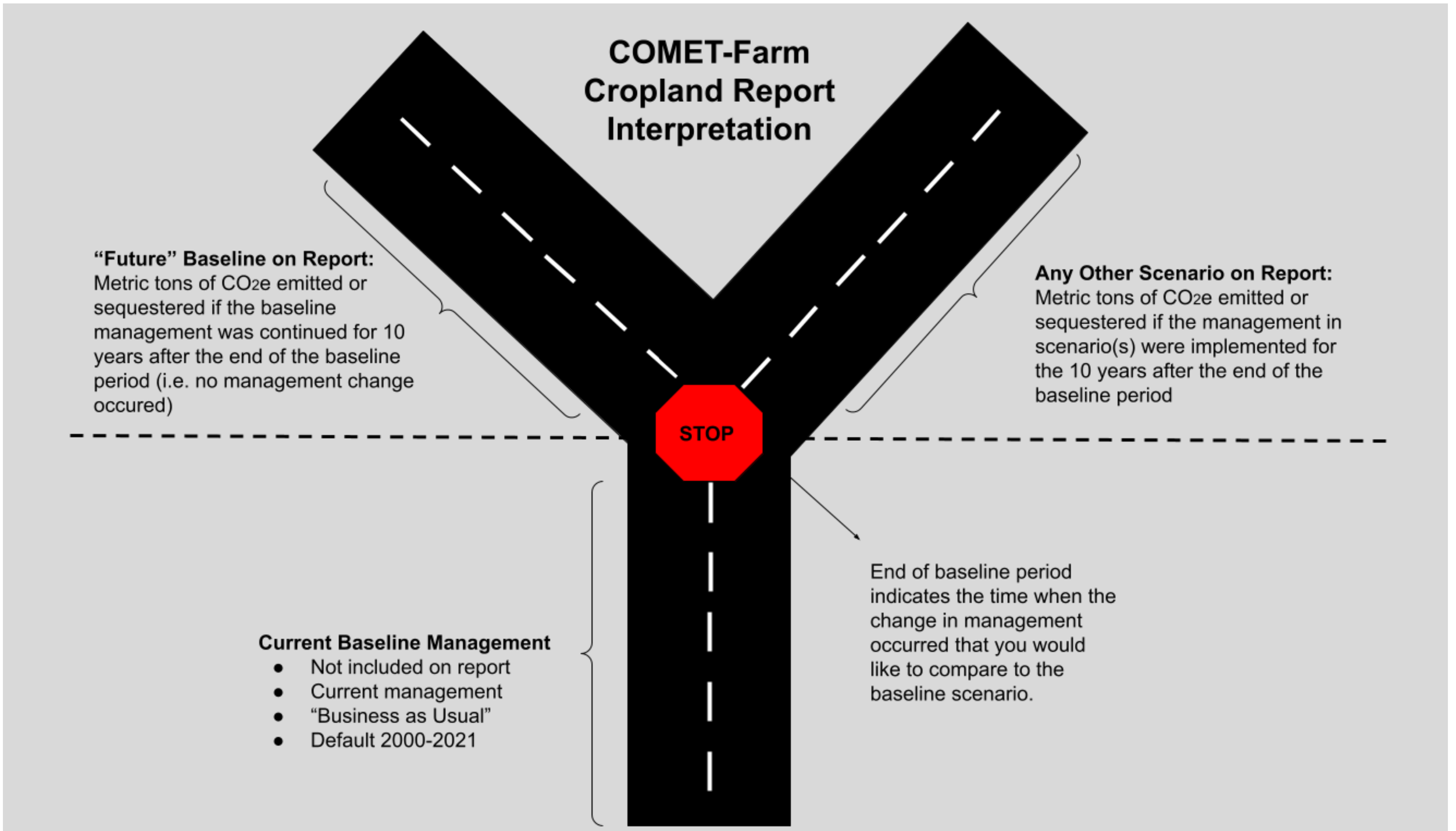
Select "+" button to expand emission source and sub-source emission estimates and view uncertainty. Soil C uncertainty will be available Fall 2022.

Select the histogram to view more details on uncertainty.



Total estimates for ALL parcels defined.

Interpreting Cropland/Pasture/Orchard/Range Report Continued...



Cropland/Pasture/Orchard/Range Graphical Report: