

JUNE 26, 2026

WETLAND ASSESSMENT REPORT

CATFISH RENEWABLE ENERGY, LLC

TANNER ROAD SOLAR

NORTH AURORA, KANE COUNTY, ILLINOIS

CBBEL PROJECT No. 260254



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 WEST HIGGINS ROAD, SUITE 600
Rosemont, IL 60018

Contents

EXECUTIVE SUMMARY	1
Wetland Summary Table:	1
METHODOLOGY	1
RESULTS AND DISCUSSION.....	3
STUDY AREA	3
Existing Site Conditions	3
Identified Wetlands.....	3
Wetland 1.....	3
Farmed Wetland 1	3
Farmed Wetland Pasture	4
REFERENCE MATERIALS	4
LOCATION MAP	4
NATIONAL WETLAND INVENTORY	4
KANE COUNTY WETLAND INVENTORY.....	4
SOIL SURVEY.....	4
HYDROLOGIC ATLAS.....	5
UNITED STATES GEOLOGICAL SURVEY.....	5
FLOOD INSURANCE RATE MAP	5
APPENDIX A – EXHIBITS	
APPENDIX B – FLORISTIC INVENTORY	
APPENDIX C – SITE PHOTOGRAPHS	
APPENDIX D – DATA FORMS	



EXECUTIVE SUMMARY

On June 19, 2026, Christopher B. Burke Engineering, Ltd. (CBBEL) completed a field investigation of the Catfish Renewable Energy, LLC – Tanner Road Solar study area to determine the on-site wetland boundaries. This report was prepared to document our findings. One wetland, one farmed wetland, and one farmed wetland pasture were identified within the study area using the U.S. Army Corps of Engineers Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (August 2010). The wetland boundaries were flagged and field located with GPS.

An aerial photograph depicting the boundaries is included as Exhibit 8 in Appendix A. The floristic inventories for the wetlands are included in Appendix B. Representative photographs are included in Appendix C. Information collected from the field investigation is listed in the USACE Data Forms found in Appendix D.

Wetland Summary Table:

Delineated Area	Data Point	Community Type	Native Mean C-Value	Native FQAI
Wetland 1	1A	PEM	2.55	8.44
Farmed Wetland 1	FW1A	Agricultural	0.00	0.00
Farmed Wetland Pasture	2A	Mowed Turf	0.00	0.00

METHODOLOGY

The Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (August 2010), identifies the mandatory technical criteria for wetland identification. The three essential characteristics of a jurisdictional wetland are hydrophytic vegetation, hydric soils and wetland hydrology as described below:

Hydrophytic Vegetation: The hydrophytic vegetation criterion is based on a separation of plants into five basic groups:

- (1) Obligate wetland plants (OBL) almost always occur (estimated probability >99%) in wetlands under natural conditions;
- (2) Facultative wetland plants (FACW) usually occur in wetlands (estimated probability 67-99%), but occasionally are found in non-wetlands;
- (3) Facultative plants (FAC) are equally likely to occur in wetlands or non-wetlands (estimated probability 34-66%);
- (4) Facultative upland plants (FACU) usually occur in non-wetlands (estimated probability 67-99%), but occasionally are found in wetlands; and

(5) Obligate upland plants (UPL) almost always occur (estimated probability >99%) in non-wetlands under natural conditions.

Four procedures completed in the following order are used to determine if hydrophytic vegetation is present:

- 1) Rapid Test: The Rapid Test for hydrophytic vegetation is met if all dominant species across all strata are OBL or FACW, or a combination of the two based on a visual assessment.
- 2) Dominance Test: Using the 50/20 Rule, if greater than 50% of the plants present are FAC, FACW, or OBL, the subject area meets the hydrophytic vegetation criterion.
- 3) Prevalence Index: Each plant species in a sampling plot is assigned a numeric value (OBL=1; FACW=2; FAC=3; FACU=4; UPL=5). Based on the sampling data, the absolute cover is calculated for each species in each stratum and using the specified formula, if the Prevalence Index is 3 or less, hydrophytic vegetation is present.
- 4) Morphological Adaptations: Various species may develop physical characteristics after growing in wetland areas such as multi-stemmed trunks, shallow roots and buttressed stems. Hydrophytic vegetation is present if an adaptation is observed in more than 50% of FACU species growing in an area that contains hydric soil and wetland hydrology.

Hydric Soils: Hydric soils are defined in the manual as "soils that are saturated, flooded or ponded long enough during the growing season to develop anaerobic conditions in the upper part." Field indicators of hydric soil are found in the NTCHS Field Indicators of Hydric Soils in the United States (USDA Natural Resources Conservation Service 2006b or current version).

Wetland Hydrology: The wetland hydrology criterion is often the most difficult to determine. Typically, the presence of water for a portion of the growing season creates anaerobic conditions. Anaerobic conditions lead to the prevalence of wetland plants. Morphological adaptations of plants, drift lines and watermarks are examples of wetland hydrology field indicators.

Waters of the United States: Waters of the United States (waters) are defined as the ordinary high-water mark (OHWM) in non-tidal waters, provided the jurisdiction is not extended by the presence of wetlands. The OHWM refers to the line established by the fluctuations of water. These fluctuations can be indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of the soil, destruction of terrestrial vegetation, or the presence of litter and debris. Waters are typically not vegetated. They typically are located below the Ordinary High Water Mark (OHWM) of a creek, stream, river or lake. There are on occasions exceptions to this generalization.

RESULTS AND DISCUSSION

STUDY AREA

As shown on Exhibit 1 in Appendix A, the study area is located south of Tanner Road, west of Deerpath Road, east of Lake Run Lane, and north of Interstate 88 in North Aurora, Kane County, Illinois. Geographically, the study area is in Section 1, Township 38 North, and Range 7, East of the 3rd Principal Meridian (Lat. 41.808344°, Long. -88.388996°).

Existing Site Conditions

The study area consists primarily of an agricultural alfalfa field, with a residential property and an associated mowed turf lawn located in the central portion of the project area, with one farmed wetland, one emergent wetland, and one farmed wetland pasture on-site. The site is bordered by agricultural land to the south and east, as well as residential property to the north and west.

Identified Wetlands

Wetland 1

Wetland 1, characterized by data point 1A, is an emergent wetland complex that extends south beyond the study area.

Vegetation: At the time of the field investigation, the wetland was dominated by low-quality emergent vegetation and shrubs such as common reed (*Phragmites australis*), reed canary grass (*Phalaris arundinacea*), and sandbar willow (*Salix interior*). The floristic inventory for Wetland 1 is in Appendix B, and the Midwest Region Data Forms are in Appendix D.

Hydrology: At the time of the field visit, positive wetland hydrology was indicated by 2 inches of standing water, a high water table, saturated soils, inundation on aerial imagery, water-stained leaves, drainage patterns, geomorphic position, and the FAC-Neutral test.

Soils: Soils within the wetland are mapped as Houghton muck and Drummer silty clay loam, both poorly drained hydric soils. Field characteristics confirmed hydric soil conditions.

Farmed Wetland 1

Farmed Wetland 1, characterized by data point FW1A, is a farmed wetland located in the western portion of the study area.

Vegetation: At the time of the field investigation, the wetland was dominated by alfalfa (*Medicago sativa*) and Kentucky bluegrass (*Poa pratensis*). The floristic inventory for Farmed Wetland 1 is in Appendix B, and the Midwest Region Data Forms are in Appendix D.

Hydrology: At the time of the field visit, positive wetland hydrology was indicated by saturation on aerial imagery, stunted plant growth, and geomorphic position.

Soils: Soils within the farmed wetland are mapped as Markham silt loam, a non-hydric soil. However, field characteristics confirmed hydric soil conditions.

Farmed Wetland Pasture

Farmed Wetland Pasture, characterized by data point 2A, is an unfarmed area of mowed turfgrass located in the southeast corner of the project area.

Vegetation: At the time of the field investigation, the wetland was dominated by Kentucky bluegrass (*Poa pratensis*). The floristic inventory for Farmed Wetland Pasture is in Appendix B, and the Midwest Region Data Forms are in Appendix D.

Hydrology: At the time of the field visit, positive wetland hydrology was indicated by saturation on aerial imagery and the FAC-Neutral test.

Soils: Soils within the farmed wetland pasture are mapped as Drummer silty clay loam, a hydric soil. Field characteristics confirmed hydric soil conditions.

REFERENCE MATERIALS

The following reference materials were reviewed and used to assist in the wetland field reconnaissance. They are included as Exhibits 1-7 under Appendix A.

LOCATION MAP

As shown on Exhibit 1 in Appendix A, the study area is located south of Tanner Road, west of Deerpath Road, east of Lake Run Lane, and north of Interstate 88 in North Aurora, Kane County, Illinois. Geographically, the study area is in Section 1, Township 38 North, and Range 7, East of the 3rd Principal Meridian (Lat. 41.808344°, Long. -88.388996°).

NATIONAL WETLAND INVENTORY

The National Wetland Inventory (NWI), Sugar Grove Quadrangle (1983), indicates wetland is not mapped within the study area (Exhibit 2). The NWI serves only as a large-scale guide and actual wetland locations and types often vary from that mapped.

KANE COUNTY WETLAND INVENTORY

The Kane County Wetland Inventory (DCWI), Sugar Grove Township, indicates *High Functional ADID Wetland* is mapped within the study area (Exhibit 3). As with the NWI, the KCWI serves only as a large-scale guide and actual wetland locations and types often vary from that mapped.

SOIL SURVEY

The Soil Survey of Kane County, Illinois was reviewed to determine the location of hydric soils within the study area (Exhibit 4). The following soil types are mapped within the study area:

103A	-	Houghton muck	-	Hydric
152A	-	Drummer silty clay loam	-	Hydric
223B	-	Varna silt loam		
531B	-	Markham silt loam		

HYDROLOGIC ATLAS

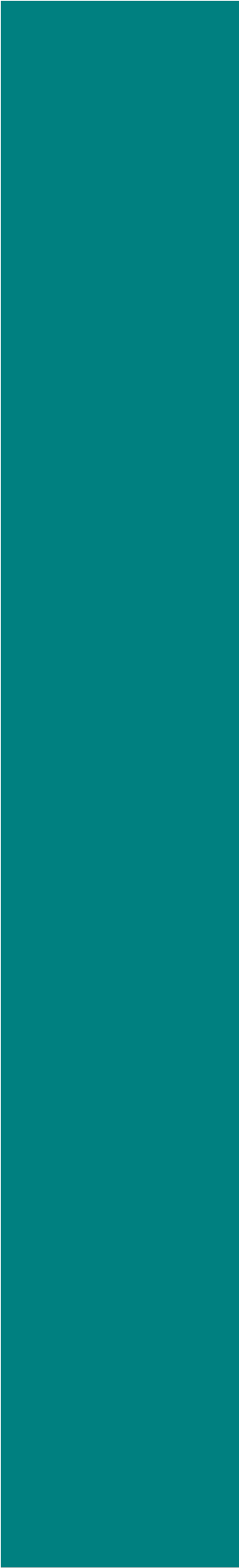
The Hydrologic Atlas (HA), Sugar Grove Quadrangle (1964), was reviewed to determine historical onsite drainage patterns (Exhibit 5). The HA indicates that waters located on site historically drain south into the on-site wetland.

UNITED STATES GEOLOGICAL SURVEY

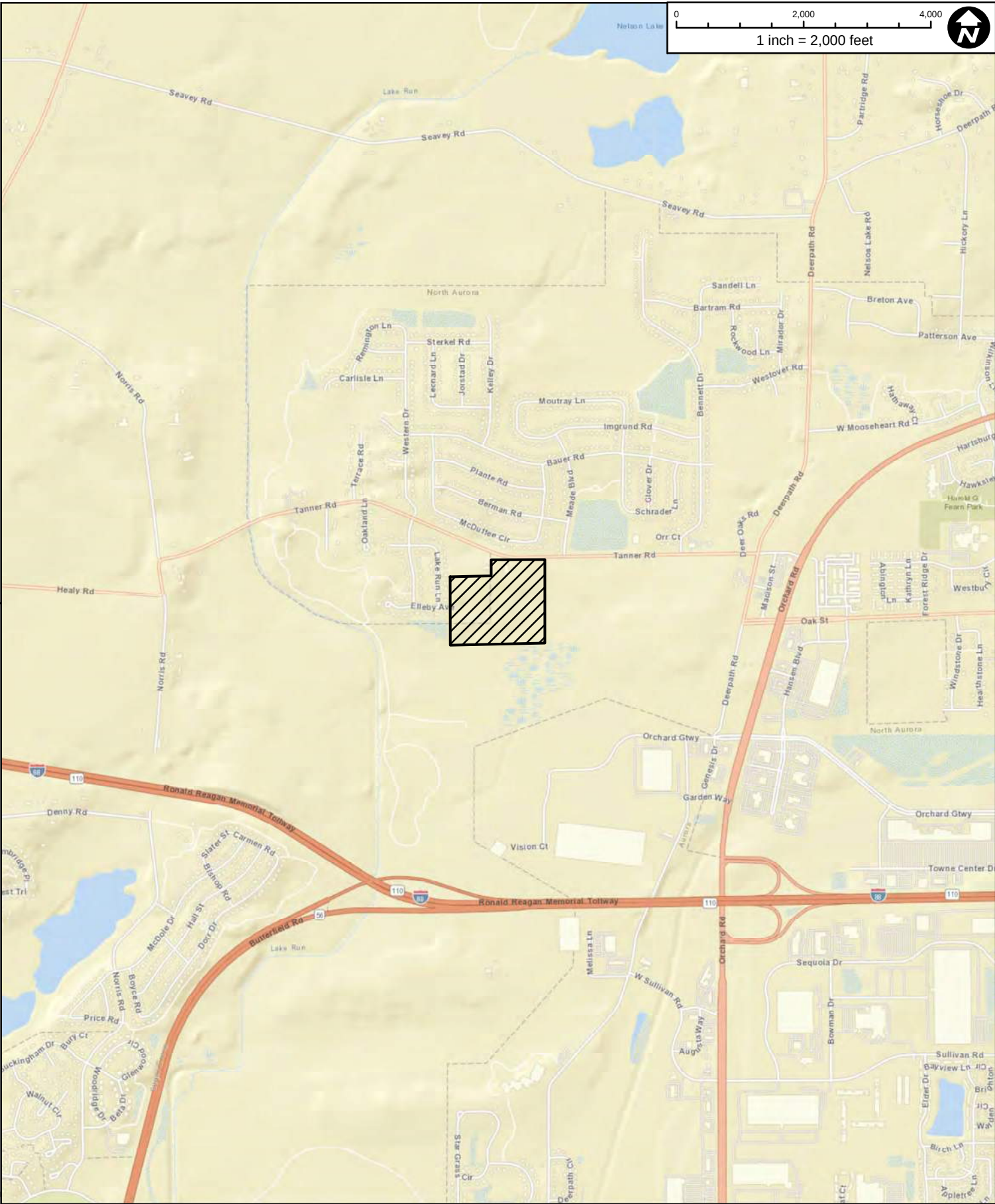
The United States Geological Survey (USGS), Sugar Grove Quadrangle (2025), was reviewed to determine historic local drainage patterns (Exhibit 6). The USGS indicates that surface runoff from the study area drains south into the on-site wetlands.

FLOOD INSURANCE RATE MAP

The Flood Insurance Rate Map (FIRM) of Kane County, Illinois and Incorporated Areas (Map Number 17089C0317H) was reviewed to determine the location of regulatory floodplain within the study area (Exhibit 7). The FIRM indicates 100-year regulatory floodplain is mapped within the study area.



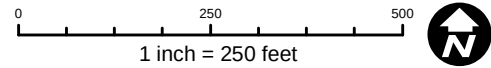
APPENDIX A – EXHIBITS



CLIENT:		TITLE:		CBBEL # 26-0254	
CATFISH RENEWABLE ENERGY, LLC		LOCATION MAP		DATE: 6/4/2026	
 CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500		DSGN.		SCALE:	1" = 2,000'
		DWN.	KEK	USER:	KKOPIJA
		CHKD.	JMA	PLOT DATE:	6/4/2026
		FILE NAME:		260254_LOC	
				EXH 1	

NAurora260254GSGISExhibits260254_LOC.mxd

NOTE: TAKEN FROM THE NATIONAL WETLAND INVENTORY(NWI), SUGAR GROVE QUADRANGLE(1983)



NO WETLAND MAPPED ON-SITE



CLIENT:	CATFISH RENEWABLE ENERGY, LLC	TITLE:	NATIONAL WETLAND INVENTORY		CBBEL # 26-0254	
					DATE: 6/4/2026	
 CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500			DSGN.		SCALE:	1" = 250'
			DWN.	KEK	USER:	KKOPIJA
			CHKD.	JMA	PLOT DATE:	6/4/2026
			FILE NAME:	260254_NWI		
					EXH 2	

N:\Aural\260254\GIS\Exhibits\260254_NWI.mxd

NOTE: TAKEN FROM THE KANE COUNTY WETLAND INVENTORY(KCWI), SUGAR GROVE TOWNSHIP(2008)

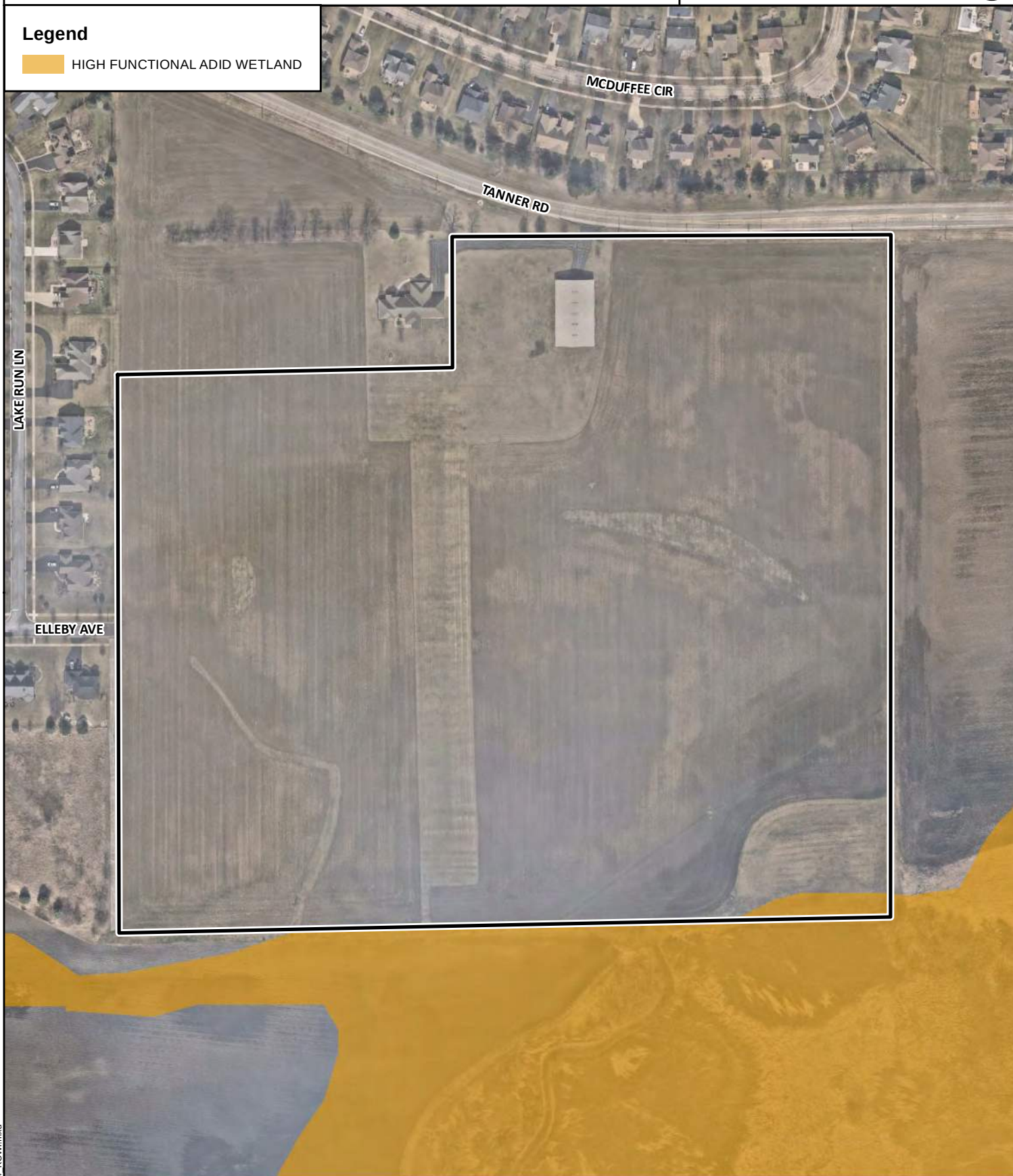
0 250 500

1 inch = 250 feet



Legend

HIGH FUNCTIONAL ADID WETLAND



CLIENT:

**CATFISH RENEWABLE
ENERGY, LLC**

TITLE:

KANE COUNTY WETLAND INVENTORY

CBBEL # 26-0254

DATE: 6/4/2026



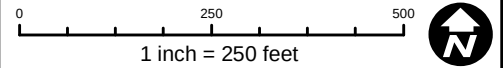
CHRISTOPHER B. BURKE Engineering, Ltd.

9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500

DSGN.		SCALE:	1" = 250'
DWN.	KEK	USER:	KKOPIJA
CHKD.	JMA	PLOT DATE:	6/4/2026
FILE NAME:	260254_KCWI		

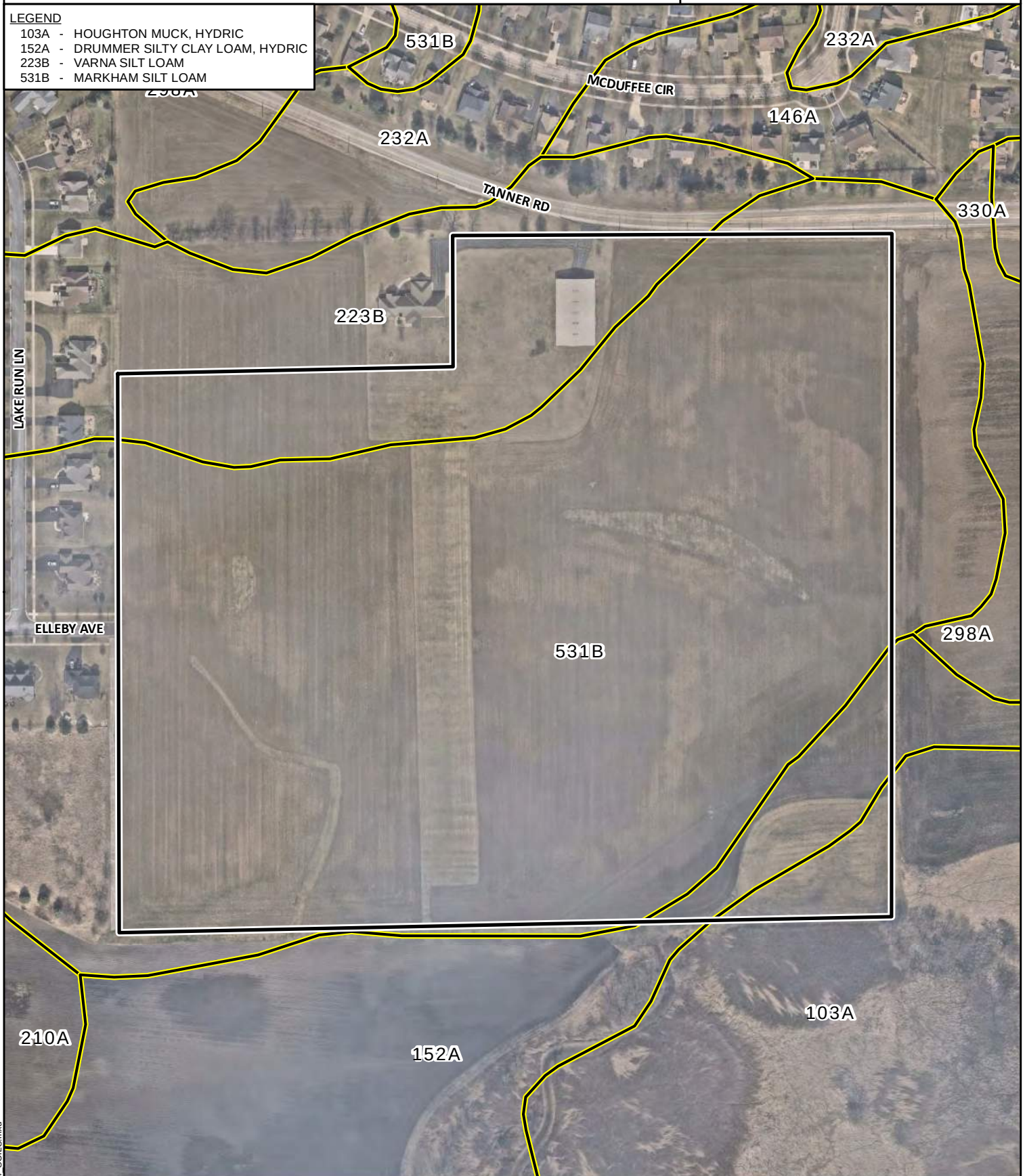
EXH 3

NOTE: TAKEN FROM THE SOIL SURVEY OF KANE COUNTY, ILLINOIS(2025)



LEGEND

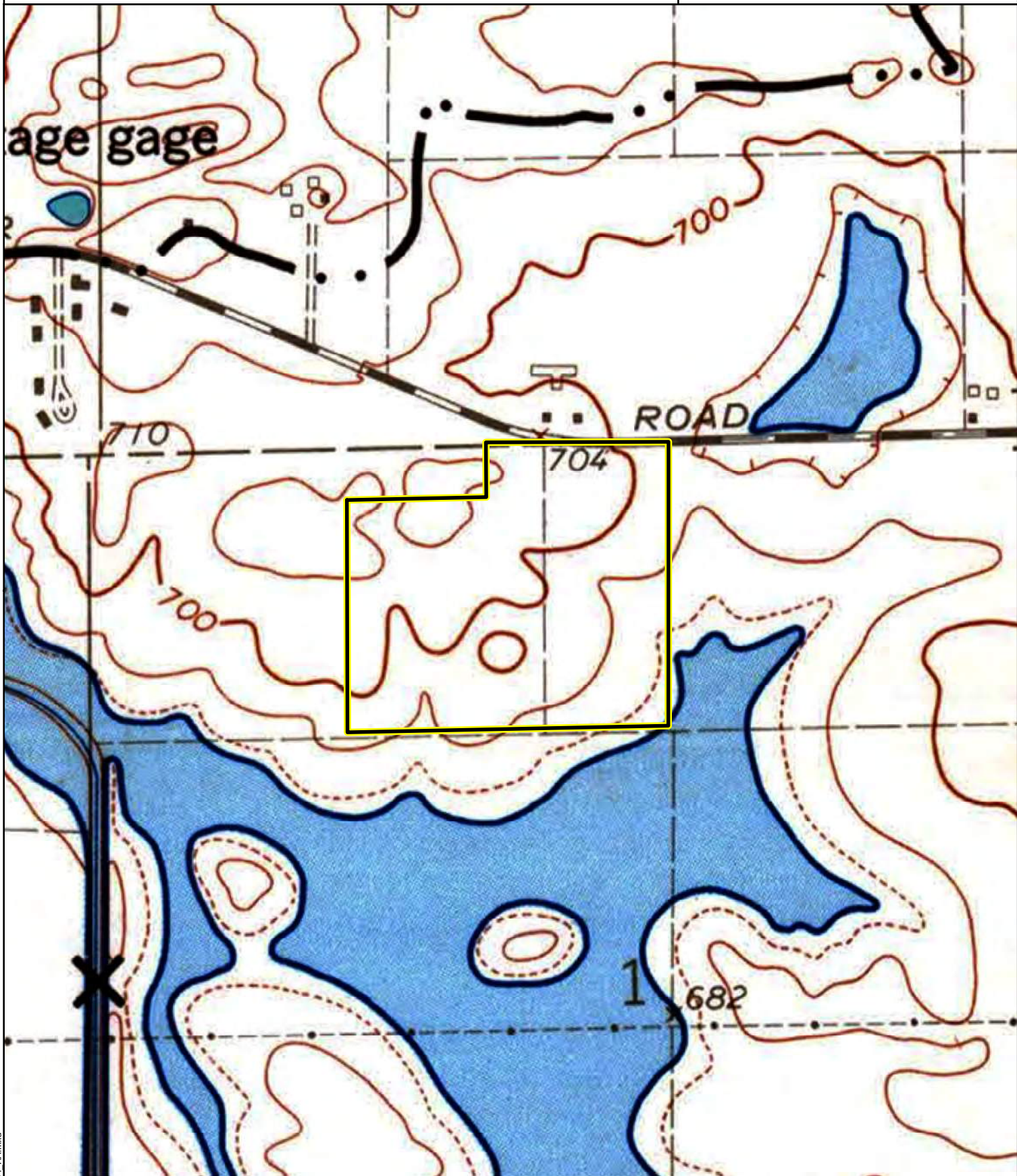
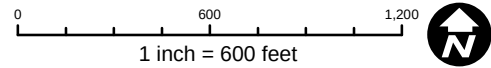
- 103A - HOUGHTON MUCK, HYDRIC
- 152A - DRUMMER SILTY CLAY LOAM, HYDRIC
- 223B - VARNA SILT LOAM
- 531B - MARKHAM SILT LOAM



CLIENT:	CATFISH RENEWABLE ENERGY, LLC	TITLE:	SOIL SURVEY		CBBEL # 26-0254	
					DATE: 6/4/2026	
 CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500			DSGN.		SCALE:	1" = 250'
			DWN.	KEK	USER:	KKOPIJA
			CHKD.	JMA	PLOT DATE:	6/4/2026
			FILE NAME:	260254_SOILS		
			EXH 4			

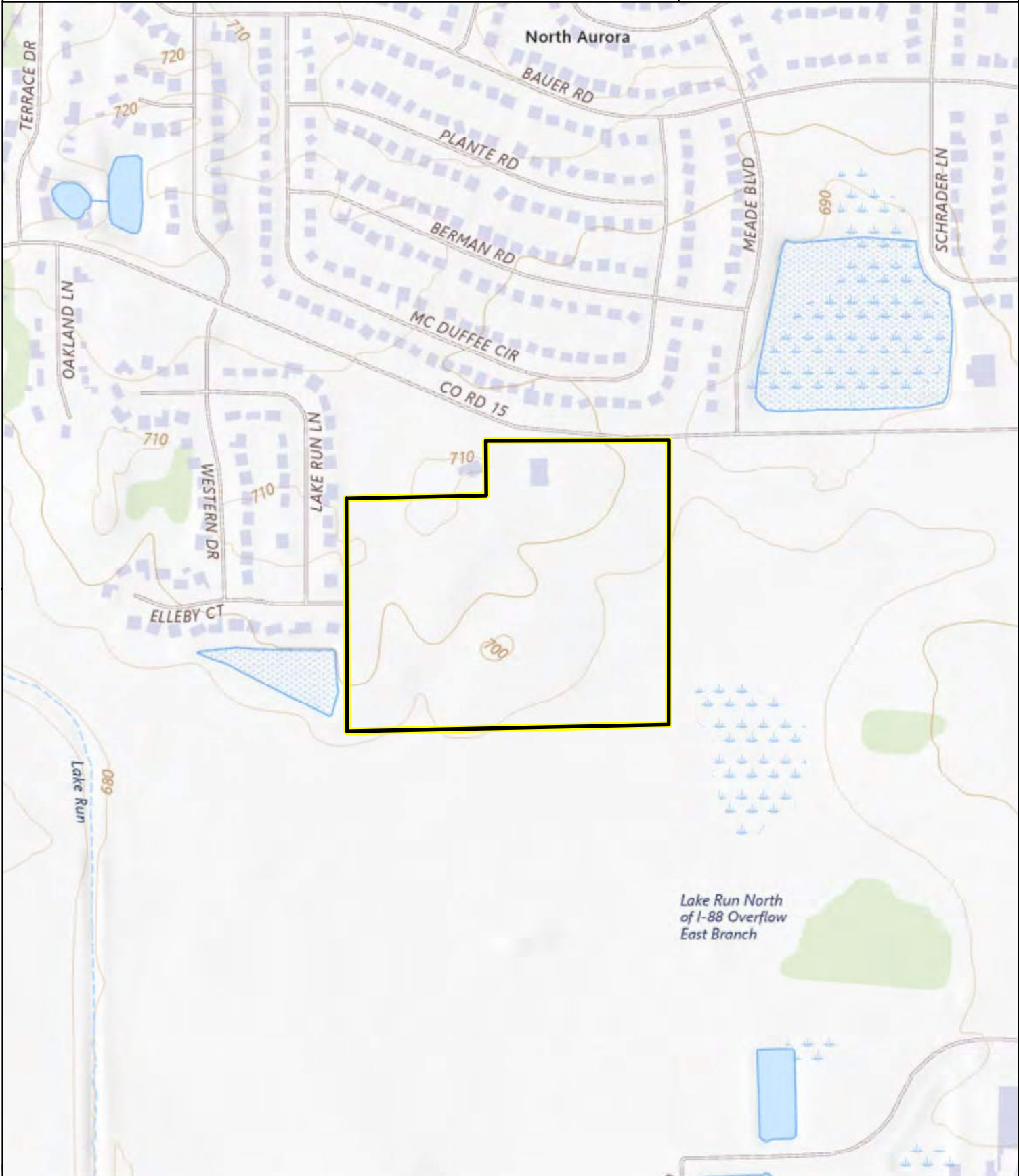
N:\Aural\260254\GIS\Exhibits\260254_SOILS.mxd

NOTE: TAKEN FROM THE HYDROLOGIC ATLAS(HA), SUGAR GROVE QUADRANGLE(1964)



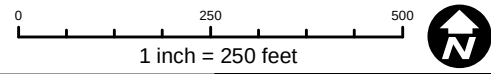
CLIENT: CATFISH RENEWABLE ENERGY, LLC		TITLE: HYDROLOGIC ATLAS		CBBEL # 26-0254	
				DATE: 6/4/2026	
 CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500		DSGN.		SCALE:	1" = 600'
		DWN.	KEK	USER:	KKOPIJA
		CHKD.	JMA	PLOT DATE:	6/4/2026
		FILE NAME:		260254_HA	
				EXH 5	

N:\Aural\260254\GIS\Exhibits\260254_HA.mxd



CLIENT:		TITLE:					
CATFISH RENEWABLE ENERGY, LLC		UNITED STATES GEOLOGICAL SURVEY				CBBEL # 26-0254	
						DATE: 6/4/2026	
	CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500		DSGN.			SCALE:	1" = 600'
			DWN.	KEK		USER:	KKOPIJA
			CHKD.	JMA		PLOT DATE:	6/4/2026
			FILE NAME:		260254_USGS		
		EXH 6					

NOTE: TAKEN FROM THE FLOOD INSURANCE RATE MAP(FIRM), KANE COUNTY AND INCORPORATED AREAS, ILLINOIS, MAP NUMBER 17089C0317H, EFFECTIVE DATE: AUGUST 3, 2009

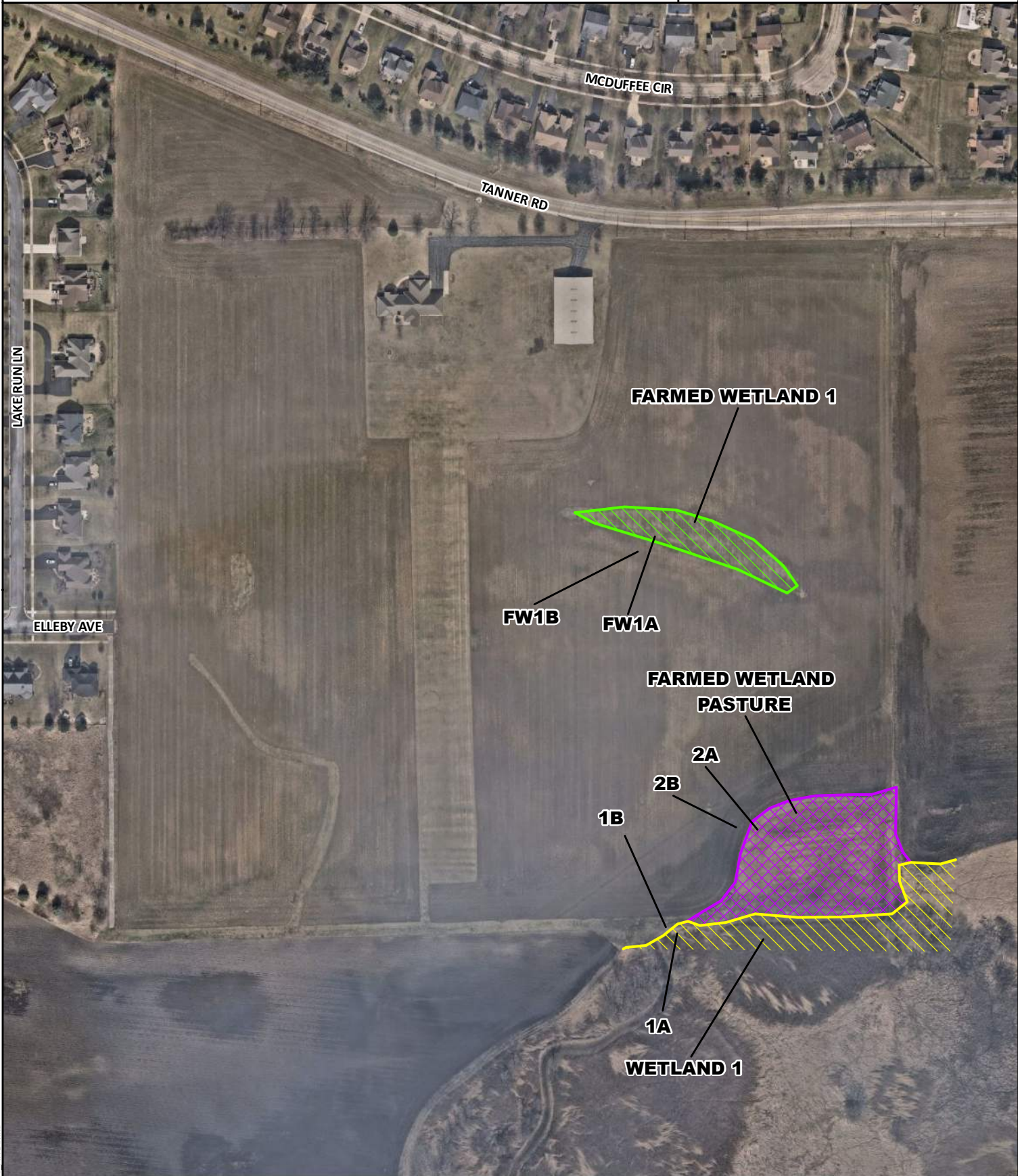


Legend

100 YEAR FLOODPLAIN

CLIENT: CATFISH RENEWABLE ENERGY, LLC		TITLE: FLOOD INSURANCE RATE MAP		CBBEL # 26-0254	
				DATE: 6/4/2026	
CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500		DSGN.			SCALE: 1" = 250'
		DWN.		KEK	USER: KKOPJJA
		CHKD.		JMA	PLOT DATE: 6/4/2026
		FILE NAME:		260254_FIRM	
EXH 7					

N:\Aural\260254\GIS\Exhibits\260254_FIRM.mxd



CLIENT: CATFISH RENEWABLE ENERGY, LLC		TITLE: APPROXIMATE WETLAND DELINEATION		CBBEL # 26-0254	
				DATE: 6/26/2026	
 CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500		DSGN.		SCALE:	1" = 250'
		DWN.	KEK	USER:	KKOPIJA
		CHKD.	JMA	PLOT DATE:	6/26/2026
		FILE NAME:	260254_AWD		
					EXH 8



APPENDIX B – FLORISTIC INVENTORY

Wetland 1

CONSERVATISM- BASED METRICS

MEAN C (NATIVE SPECIES)	2.55
MEAN C (ALL SPECIES)	1.47
MEAN C (NATIVE TREES)	2.50
MEAN C (NATIVE SHRUBS)	2.00
MEAN C (NATIVE HERBACEOUS)	2.63
FQAI (NATIVE SPECIES)	8.44
FQAI (ALL SPECIES)	6.42
ADJUSTED FQAI	19.37
% C VALUE 0	0.53
% C VALUE 1-3	0.32
% C VALUE 4-6	0.16
% C VALUE 7-10	0.00

ADDITIONAL METRICS

SPECIES RICHNESS (ALL)	19
SPECIES RICHNESS (NATIVE)	11
% NON-NATIVE	0.42
WET INDICATOR (ALL)	-0.58
WET INDICATOR (NATIVE)	-0.73
% HYDROPHYTE (MIDWEST)	0.89
% NATIVE PERENNIAL	0.47
% NATIVE ANNUAL	0.11
% ANNUAL	0.16
% PERENNIAL	0.84

SPECIES NAME	C	MIDWEST	WET				
(NWPL/ MOHLENBROCK)	VALUE	WET	INDICATOR	(NUMERIC)	HABIT	DURATION	NATIVITY
Ambrosia trifida	0	FAC		0	Forb	Annual	Native
Apocynum cannabinum	2	FAC		0	Forb	Perennial	Native
Asclepias incarnata	3	OBL		-2	Forb	Perennial	Native
Calystegia sepium	1	FAC		0	Forb	Perennial	Native
Cirsium arvense	0	FACU		1	Forb	Perennial	Adventive
Impatiens capensis	3	FACW		-1	Forb	Annual	Native
Lythrum salicaria	0	OBL		-2	Forb	Perennial	Adventive
Morus alba	0	FAC		0	Tree	Perennial	Adventive
Persicaria maculosa	0	FACW		-1	Forb	Annual	Adventive
Phalaris arundinacea	0	FACW		-1	Grass	Perennial	Adventive
Phragmites australis							
ssp. australis	0	FACW		-1	Grass	Perennial	Adventive
Populus deltoides	0	FAC		0	Tree	Perennial	Native
Pycnanthemum							
virginianum	5	FACW		-1	Forb	Perennial	Native
Salix interior	2	FACW		-1	Shrub	Perennial	Native
Salix nigra	5	OBL		-2	Tree	Perennial	Native
Solanum dulcamara	0	FAC		0	Vine	Perennial	Adventive
Solidago gigantea	4	FACW		-1	Forb	Perennial	Native
Symphyotrichum							
lanceolatum	3	FAC		0	Forb	Perennial	Native
Trifolium pratense	0	FACU		1	Forb	Perennial	Adventive

Farmed Wetland 1

CONSERVATISM- BASED METRICS			ADDITIONAL METRICS		
MEAN C (NATIVE SPECIES)	0.00		SPECIES RICHNESS (ALL)		2
MEAN C (ALL SPECIES)	0.00		SPECIES RICHNESS (NATIVE)		0
MEAN C (NATIVE TREES)	n/a		% NON-NATIVE		1.00
MEAN C (NATIVE SHRUBS)	n/a		WET INDICATOR (ALL)		0.50
MEAN C (NATIVE HERBACEOUS)	n/a		WET INDICATOR (NATIVE)		0.00
FQAI (NATIVE SPECIES)	0.00		% HYDROPHYTE (MIDWEST)		0.50
FQAI (ALL SPECIES)	0.00		% NATIVE PERENNIAL		0.00
ADJUSTED FQAI	0.00		% NATIVE ANNUAL		0.00
% C VALUE 0	1.00		% ANNUAL		0.00
% C VALUE 1-3	0.00		% PERENNIAL		1.00
% C VALUE 4-6	0.00				
% C VALUE 7-10	0.00				

SPECIES NAME		C	MIDWEST	WET				
(NWPL/ MOHLENBROCK)	COMMON NAME		WET	INDICATOR				
		VALUE	INDICATOR	(NUMERIC)	HABIT	DURATION	NATIVITY	
Medicago sativa	Alfalfa	0	FACU	1	Forb	Perennial	Adventive	
Poa pratensis	Kentucky Blue Grass	0	FAC	0	Grass	Perennial	Adventive	

Farmed Wetland Pasture

CONSERVATISM- BASED METRICS		ADDITIONAL METRICS	
MEAN C (NATIVE SPECIES)	0.00	SPECIES RICHNESS (ALL)	3
MEAN C (ALL SPECIES)	0.00	SPECIES RICHNESS (NATIVE)	0
MEAN C (NATIVE TREES)	n/a	% NON-NATIVE	1.00
MEAN C (NATIVE SHRUBS)	n/a	WET INDICATOR (ALL)	0.67
MEAN C (NATIVE HERBACEOUS)	n/a	WET INDICATOR (NATIVE)	0.00
FQAI (NATIVE SPECIES)	0.00	% HYDROPHYTE (MIDWEST)	0.33
FQAI (ALL SPECIES)	0.00	% NATIVE PERENNIAL	0.00
ADJUSTED FQAI	0.00	% NATIVE ANNUAL	0.00
% C VALUE 0	1.00	% ANNUAL	0.00
% C VALUE 1-3	0.00	% PERENNIAL	1.00
% C VALUE 4-6	0.00		
% C VALUE 7-10	0.00		

		C	MIDWEST	WET				
SPECIES NAME		VALUE	WET	INDICATOR				
(NWPL/ MOHLENBROCK)	COMMON NAME		INDICATOR	(NUMERIC)	HABIT	DURATION	NATIVITY	
Plantago lanceolata	English Plantain	0	FACU	1	Forb	Perennial	Adventive	
Poa pratensis	Kentucky Blue Grass	0	FAC	0	Grass	Perennial	Adventive	
Trifolium pratense	Red Clover	0	FACU	1	Forb	Perennial	Adventive	



APPENDIX C – SITE PHOTOGRAPHS



Photo 1: Wetland 1, facing southeast.



Photo 2: Wetland 1, facing west.



Photo 3: Farmed Wetland Pasture, facing northwest.



Photo 4: Farmed Wetland 1, facing west.



Photo 5: Turfgrass lawn and existing structure near alfalfa field, facing northeast.



Photo 6: Alfalfa field along northern project boundary, facing west.



Christopher B. Burke Engineering, Ltd.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
847-823-0500

CLIENT: CATFISH RENEWABLE ENERGY, LLC.

PROJECT NO: 260254

06/19/2026

REPRESENTATIVE PHOTOGRAPHS

EXHIBIT: RP

APPENDIX D – DATA FORMS

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u> X </u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u> X </u> No <u> </u>
Hydric Soil Present? Yes <u> X </u> No <u> </u>	
Wetland Hydrology Present? Yes <u> X </u> No <u> </u>	
Remarks:	

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Salix nigra</u>		<u>45</u>	<u>Yes</u>	<u>OBL</u>
2. _____				
3. _____				
4. _____				
5. _____				
		<u>45</u>	<u>=Total Cover</u>	
Sapling/Shrub Stratum	(Plot size: <u>15</u>)			
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
			<u>=Total Cover</u>	
Herb Stratum	(Plot size: <u>5</u>)			
1. <u>Phragmites australis</u>		<u>90</u>	<u>Yes</u>	<u>FACW</u>
2. <u>Impatiens capensis</u>		<u>10</u>	<u>No</u>	<u>FACW</u>
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
		<u>100</u>	<u>=Total Cover</u>	
Woody Vine Stratum	(Plot size: <u>30</u>)			
1. _____				
2. _____				
			<u>=Total Cover</u>	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>45</u>	x 1 = <u>45</u>
FACW species <u>100</u>	x 2 = <u>200</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>145</u> (A)	<u>245</u> (B)
Prevalence Index = B/A = <u>1.69</u>	

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation

 X 2 - Dominance Test is >50%

 X 3 - Prevalence Index is ≤3.0¹

 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?

Yes X No

Midwest – Version 2.0

SOIL

Sampling Point: 1A

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-2	N 2.5/	100					Muck	
2-14	10YR 2/1	100					Loamy/Clayey	
14-24	10YR 3/2	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

- ☐ Histosol (A1) ☐ Sandy Gleyed Matrix (S4)
☐ Histic Epipedon (A2) ☐ Sandy Redox (S5)
☐ Black Histic (A3) ☐ Stripped Matrix (S6)
☐ Hydrogen Sulfide (A4) ☐ Dark Surface (S7)
☐ Stratified Layers (A5) ☐ Loamy Mucky Mineral (F1)
☒ 2 cm Muck (A10) ☐ Loamy Gleyed Matrix (F2)
☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3)
☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6)
☐ Iron Monosulfide (A18) ☐ Depleted Dark Surface (F7)
☐ Sandy Mucky Mineral (S1) ☐ Redox Depressions (F8)
☐ 5 cm Mucky Peat or Peat (S3)

Indicators for Problematic Hydric Soils³:

- ☐ Iron-Manganese Masses (F12)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes ☒ No ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:Primary Indicators (minimum of one is required; check all that apply)

- ☒ Surface Water (A1) ☒ Water-Stained Leaves (B9)
☒ High Water Table (A2) ☐ Aquatic Fauna (B13)
☒ Saturation (A3) ☐ True Aquatic Plants (B14)
☐ Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2) ☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3) ☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4) ☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5) ☐ Thin Muck Surface (C7)
☒ Inundation Visible on Aerial Imagery (B7) ☐ Gauge or Well Data (D9)
☐ Sparsely Vegetated Concave Surface (B8) ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
☒ Drainage Patterns (B10)
☐ Dry-Season Water Table (C2)
☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)
☐ Stunted or Stressed Plants (D1)
☒ Geomorphic Position (D2)
☒ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (inches): 2
 Water Table Present? Yes ☒ No ☐ Depth (inches):
 Saturation Present? Yes ☒ No ☐ Depth (inches):
 (includes capillary fringe)

Wetland Hydrology Present? Yes ☒ No ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
--	---

Project/Site: Catfish Renewable Energy 260254 City/County: Aurora/Kane Sampling Date: 6/19/2026
Applicant/Owner: Catfish Renewable Energy State: IL Sampling Point: 1B
Investigator(s): Ryan Heller Section, Township, Range: S1, T38N, R7E
Landform (hillside, terrace, etc.): None Local relief (concave, convex, none): Convex
Slope (%): 5 Lat: 41.806030 Long: -88.387297 Datum: WGS1984
Soil Map Unit Name: Houghton muck NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30</u>) 1. <u> </u> 2. <u> </u> 3. <u> </u> 4. <u> </u> 5. <u> </u> <u> </u> =Total Cover	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
Sapling/Shrub Stratum (Plot size: <u>15</u>) 1. <u> </u> 2. <u> </u> 3. <u> </u> 4. <u> </u> 5. <u> </u> <u> </u> =Total Cover	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>70</u> x 3 = <u>210</u> FACU species <u>30</u> x 4 = <u>120</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>100</u> (A) <u>330</u> (B) Prevalence Index = B/A = <u>3.30</u>
Herb Stratum (Plot size: <u>5</u>) 1. <u>Poa pratensis</u> <u>70</u> Yes <u>FAC</u> 2. <u>Trifolium pratense</u> <u>30</u> Yes <u>FACU</u> 3. <u> </u> 4. <u> </u> 5. <u> </u> 6. <u> </u> 7. <u> </u> 8. <u> </u> 9. <u> </u> 10. <u> </u> <u>100</u> =Total Cover	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: <u>30</u>) 1. <u> </u> 2. <u> </u> <u> </u> =Total Cover	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>

SOIL

Sampling Point: 1B

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	10YR 3/2	100					Loamy/Clayey	
10-19	10YR 3/3	100					Loamy/Clayey	
19-24	10YR 4/3	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)
☐ Hydrogen Sulfide (A4)	☐ Dark Surface (S7)
☐ Stratified Layers (A5)	☐ Loamy Mucky Mineral (F1)
☐ 2 cm Muck (A10)	☐ Loamy Gleyed Matrix (F2)
☐ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)
☐ 5 cm Mucky Peat or Peat (S3)	

Indicators for Problematic Hydric Soils³:

☐ Iron-Manganese Masses (F12)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**
 Type: _____
 Depth (inches): _____
Hydric Soil Present? Yes _____ No X

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)
☐ Saturation (A3)	☐ True Aquatic Plants (B14)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

☐ Surface Soil Cracks (B6)
☐ Drainage Patterns (B10)
☐ Dry-Season Water Table (C2)
☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)
☐ Stunted or Stressed Plants (D1)
☐ Geomorphic Position (D2)
☐ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No <u>X</u>	Depth (inches): _____
Water Table Present?	Yes _____	No <u>X</u>	Depth (inches): _____
Saturation Present?	Yes _____	No <u>X</u>	Depth (inches): _____
(includes capillary fringe)			

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
--	---

Project/Site: <u>Catfish Renewable Energy 260254</u>	City/County: <u>Aurora/Kane</u>	Sampling Date: <u>6/19/2026</u>
Applicant/Owner: <u>Catfish Renewable Energy</u>	State: <u>IL</u>	Sampling Point: <u>2A</u>
Investigator(s): <u>Ryan Heller</u>	Section, Township, Range: <u>S1, T38N, R7E</u>	
Landform (hillside, terrace, etc.): <u>None</u>	Local relief (concave, convex, none): <u>None</u>	
Slope (%): <u>0</u>	Lat: <u>41.806534</u>	Long: <u>-88.386627</u>
Datum: <u>WGS1984</u>		
Soil Map Unit Name: <u>Dummer silty clay loam</u>	NW1 classification: <u>None</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u> Hydric Soil Present? Yes <u>X</u> No <u> </u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1.					Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)																
2.																					
3.																					
4.																					
5.																					
		=Total Cover																			
Sapling/Shrub Stratum	(Plot size: <u>15</u>)				Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <tr> <th style="width:40%;">Total % Cover of:</th> <th style="width:60%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>100</u></td> <td>x 3 = <u>300</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>300</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.00</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>100</u>	x 3 = <u>300</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>100</u> (A)	<u>300</u> (B)	Prevalence Index = B/A = <u>3.00</u>	
Total % Cover of:	Multiply by:																				
OBL species <u>0</u>	x 1 = <u>0</u>																				
FACW species <u>0</u>	x 2 = <u>0</u>																				
FAC species <u>100</u>	x 3 = <u>300</u>																				
FACU species <u>0</u>	x 4 = <u>0</u>																				
UPL species <u>0</u>	x 5 = <u>0</u>																				
Column Totals: <u>100</u> (A)	<u>300</u> (B)																				
Prevalence Index = B/A = <u>3.00</u>																					
1.																					
2.																					
3.																					
4.																					
5.																					
		=Total Cover																			
Herb Stratum	(Plot size: <u>5</u>)				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
1. <u>Poa pratensis</u>		<u>100</u>	<u>Yes</u>	<u>FAC</u>																	
2.																					
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					
		<u>100</u> =Total Cover																			
Woody Vine Stratum	(Plot size: <u>30</u>)				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>																
1.																					
2.																					
		=Total Cover																			
Remarks: (Include photo numbers here or on a separate sheet.)																					

SOIL

Sampling Point: 2A

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	10YR 2/1	95	10YR 5/6	5	C	M	Loamy/Clayey	Prominent redox concentrations
8-12	10YR 3/1	95	10YR 5/6	5	C	M	Loamy/Clayey	Prominent redox concentrations
12-24	10YR 4/2	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)
☐ Hydrogen Sulfide (A4)	☐ Dark Surface (S7)
☐ Stratified Layers (A5)	☐ Loamy Mucky Mineral (F1)
☐ 2 cm Muck (A10)	☐ Loamy Gleyed Matrix (F2)
☐ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)
☐ Thick Dark Surface (A12)	☒ Redox Dark Surface (F6)
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)
☐ 5 cm Mucky Peat or Peat (S3)	

Indicators for Problematic Hydric Soils³:

☐ Iron-Manganese Masses (F12)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**
 Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes ☒ No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)
☐ Saturation (A3)	☐ True Aquatic Plants (B14)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

☐ Surface Soil Cracks (B6)
☐ Drainage Patterns (B10)
☐ Dry-Season Water Table (C2)
☐ Crayfish Burrows (C8)
☒ Saturation Visible on Aerial Imagery (C9)
☐ Stunted or Stressed Plants (D1)
☐ Geomorphic Position (D2)
☒ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ☒	Depth (inches): _____
Water Table Present?	Yes _____	No ☒	Depth (inches): _____
Saturation Present?	Yes _____	No ☒	Depth (inches): _____
(includes capillary fringe)			

Wetland Hydrology Present? Yes ☒ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
--	---

Project/Site: Catfish Renewable Energy 260254 City/County: Aurora/Kane Sampling Date: 6/19/2026
Applicant/Owner: Catfish Renewable Energy State: IL Sampling Point: 2B
Investigator(s): Ryan Heller Section, Township, Range: S1, T38N, R7E
Landform (hillside, terrace, etc.): None Local relief (concave, convex, none): None
Slope (%): 0 Lat: 41.806548 Long: -88.386745 Datum: WGS1984
Soil Map Unit Name: Markham silt loam NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30</u>) 1. <u> </u> 2. <u> </u> 3. <u> </u> 4. <u> </u> 5. <u> </u> <u> </u> =Total Cover	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
Sapling/Shrub Stratum (Plot size: <u>15</u>) 1. <u> </u> 2. <u> </u> 3. <u> </u> 4. <u> </u> 5. <u> </u> <u> </u> =Total Cover	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>100</u> x 4 = <u>400</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>100</u> (A) <u>400</u> (B) Prevalence Index = B/A = <u>4.00</u>
Herb Stratum (Plot size: <u>5</u>) 1. <u>Medicago sativa</u> <u>100</u> Yes <u>FACU</u> 2. <u> </u> 3. <u> </u> 4. <u> </u> 5. <u> </u> 6. <u> </u> 7. <u> </u> 8. <u> </u> 9. <u> </u> 10. <u> </u> <u>100</u> =Total Cover	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: <u>30</u>) 1. <u> </u> 2. <u> </u> <u> </u> =Total Cover	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>

SOIL

Sampling Point: 2B

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-9	10YR 3/1	100					Loamy/Clayey	
9-15	10YR 3/2	100					Loamy/Clayey	
15-24	10YR 4/3	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators:**

☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)
☐ Hydrogen Sulfide (A4)	☐ Dark Surface (S7)
☐ Stratified Layers (A5)	☐ Loamy Mucky Mineral (F1)
☐ 2 cm Muck (A10)	☐ Loamy Gleyed Matrix (F2)
☐ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)
☐ 5 cm Mucky Peat or Peat (S3)	

Indicators for Problematic Hydric Soils³:

☐ Iron-Manganese Masses (F12)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**
 Type: _____
 Depth (inches): _____
Hydric Soil Present? Yes _____ No X

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:Primary Indicators (minimum of one is required; check all that apply)

☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)
☐ Saturation (A3)	☐ True Aquatic Plants (B14)
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

☐ Surface Soil Cracks (B6)
☐ Drainage Patterns (B10)
☐ Dry-Season Water Table (C2)
☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)
☐ Stunted or Stressed Plants (D1)
☐ Geomorphic Position (D2)
☐ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No <u>X</u>	Depth (inches): _____
Water Table Present?	Yes _____	No <u>X</u>	Depth (inches): _____
Saturation Present?	Yes _____	No <u>X</u>	Depth (inches): _____
(includes capillary fringe)			

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
--	---

Project/Site: <u>Catfish Renewable Energy 260254</u>	City/County: <u>Aurora/Kane</u>	Sampling Date: <u>6/19/2026</u>
Applicant/Owner: <u>Catfish Renewable Energy, LLC</u>	State: <u>IL</u>	Sampling Point: <u>FW1A</u>
Investigator(s): <u>Ryan Heller</u>	Section, Township, Range: <u>S1, T38N, R7E</u>	
Landform (hillside, terrace, etc.): <u>Depression</u>	Local relief (concave, convex, none): <u>Concave</u>	
Slope (%): <u>0</u>	Lat: <u>41.808159</u>	Long: <u>-88.387462</u>
		Datum: <u>WGS1984</u>
Soil Map Unit Name: <u>Markham silt loam</u>	NW1 classification: <u>N/A</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No X (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u> Hydric Soil Present? Yes <u>X</u> No <u> </u> Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Tree Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>30</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1.</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td></td><td></td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="2"></td> <td style="text-align: right;">=Total Cover</td> <td></td> <td></td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Sapling/Shrub Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>15</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1.</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td></td><td></td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="2"></td> <td style="text-align: right;">=Total Cover</td> <td></td> <td></td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Herb Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>5</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1.</td><td><u>Medicago sativa</u></td><td style="text-align: center;">85</td><td style="text-align: center;">Yes</td><td style="text-align: center;">FACU</td></tr> <tr><td>2.</td><td></td><td></td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td></tr> <tr><td>6.</td><td></td><td></td><td></td><td></td></tr> <tr><td>7.</td><td></td><td></td><td></td><td></td></tr> <tr><td>8.</td><td></td><td></td><td></td><td></td></tr> <tr><td>9.</td><td></td><td></td><td></td><td></td></tr> <tr><td>10.</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="2"></td> <td style="text-align: right;">85 =Total Cover</td> <td></td> <td></td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Woody Vine Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">(Plot size: <u>30</u>)</th> <th style="text-align: center; border-bottom: 1px solid black;">Absolute % Cover</th> <th style="text-align: center; border-bottom: 1px solid black;">Dominant Species?</th> <th style="text-align: center; border-bottom: 1px solid black;">Indicator Status</th> </tr> <tr><td>1.</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="2"></td> <td style="text-align: right;">=Total Cover</td> <td></td> <td></td> </tr> </table>	Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.					2.					3.					4.					5.							=Total Cover			Sapling/Shrub Stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.					2.					3.					4.					5.							=Total Cover			Herb Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.	<u>Medicago sativa</u>	85	Yes	FACU	2.					3.					4.					5.					6.					7.					8.					9.					10.							85 =Total Cover			Woody Vine Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.					2.							=Total Cover			Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Total % Cover of:</th> <th style="text-align: left; border-bottom: 1px solid black;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>85</u></td> <td>x 4 = <u>340</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>85</u> (A)</td> <td><u>340</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>4.00</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0¹ <u> </u> 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>85</u>	x 4 = <u>340</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>85</u> (A)	<u>340</u> (B)	Prevalence Index = B/A = <u>4.00</u>	
Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																																																																																																																																																			
1.																																																																																																																																																																							
2.																																																																																																																																																																							
3.																																																																																																																																																																							
4.																																																																																																																																																																							
5.																																																																																																																																																																							
		=Total Cover																																																																																																																																																																					
Sapling/Shrub Stratum	(Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																																																																																																																																																			
1.																																																																																																																																																																							
2.																																																																																																																																																																							
3.																																																																																																																																																																							
4.																																																																																																																																																																							
5.																																																																																																																																																																							
		=Total Cover																																																																																																																																																																					
Herb Stratum	(Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																																																																																																																																																			
1.	<u>Medicago sativa</u>	85	Yes	FACU																																																																																																																																																																			
2.																																																																																																																																																																							
3.																																																																																																																																																																							
4.																																																																																																																																																																							
5.																																																																																																																																																																							
6.																																																																																																																																																																							
7.																																																																																																																																																																							
8.																																																																																																																																																																							
9.																																																																																																																																																																							
10.																																																																																																																																																																							
		85 =Total Cover																																																																																																																																																																					
Woody Vine Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																																																																																																																																																			
1.																																																																																																																																																																							
2.																																																																																																																																																																							
		=Total Cover																																																																																																																																																																					
Total % Cover of:	Multiply by:																																																																																																																																																																						
OBL species <u>0</u>	x 1 = <u>0</u>																																																																																																																																																																						
FACW species <u>0</u>	x 2 = <u>0</u>																																																																																																																																																																						
FAC species <u>0</u>	x 3 = <u>0</u>																																																																																																																																																																						
FACU species <u>85</u>	x 4 = <u>340</u>																																																																																																																																																																						
UPL species <u>0</u>	x 5 = <u>0</u>																																																																																																																																																																						
Column Totals: <u>85</u> (A)	<u>340</u> (B)																																																																																																																																																																						
Prevalence Index = B/A = <u>4.00</u>																																																																																																																																																																							
Remarks: (Include photo numbers here or on a separate sheet.)																																																																																																																																																																							

SOIL

Sampling Point: FW1A

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-12	10YR 2/1	95	10YR 5/6	5	C	M	Loamy/Clayey	Prominent redox concentrations
12-18	10YR 3/1	100					Loamy/Clayey	
18-24	10YR 3/2	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Iron-Manganese Masses (F12)
☐ Histic Epipedon (A2)	☐ Red Parent Material (F21)
☐ Black Histic (A3)	☐ Very Shallow Dark Surface (F22)
☐ Hydrogen Sulfide (A4)	☐ Other (Explain in Remarks)
☐ Stratified Layers (A5)	
☐ 2 cm Muck (A10)	
☐ Depleted Below Dark Surface (A11)	
☐ Thick Dark Surface (A12)	
☐ Iron Monosulfide (A18)	
☐ Sandy Mucky Mineral (S1)	
☐ 5 cm Mucky Peat or Peat (S3)	
☐ Sandy Gleyed Matrix (S4)	
☐ Sandy Redox (S5)	
☐ Stripped Matrix (S6)	
☐ Dark Surface (S7)	
☐ Loamy Mucky Mineral (F1)	
☐ Loamy Gleyed Matrix (F2)	
☐ Depleted Matrix (F3)	
☒ Redox Dark Surface (F6)	
☐ Depleted Dark Surface (F7)	
☐ Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes ☒ No ☐
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage Patterns (B10)	
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)	
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☒ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☒ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☒ Geomorphic Position (D2)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)		
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)		

Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): _____ Water Table Present? Yes ☐ No ☒ Depth (inches): _____ Saturation Present? Yes ☐ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes ☒ No ☐
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R	OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
--	---

Project/Site: <u>Catfish Renewable Energy 260254</u>	City/County: <u>Aurora/Kane</u>	Sampling Date: <u>6/19/2026</u>
Applicant/Owner: <u>Catfish Renewable Energy, LLC</u>	State: <u>IL</u>	Sampling Point: <u>FW1B</u>
Investigator(s): <u>Ryan Heller</u>	Section, Township, Range: <u>S1, T38N, R7E</u>	
Landform (hillside, terrace, etc.): <u>None</u>	Local relief (concave, convex, none): <u>None</u>	
Slope (%): <u>0</u>	Lat: <u>41.808083</u>	Long: <u>-88.387596</u>
		Datum: <u>WGS1984</u>
Soil Map Unit Name: <u>Markham silt loam</u>	NW1 classification: <u>N/A</u>	

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u> Hydric Soil Present? Yes <u>X</u> No <u> </u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Tree Stratum</th> <th style="text-align: center;">(Plot size: <u>30</u>)</th> <th style="text-align: center;">Absolute % Cover</th> <th style="text-align: center;">Dominant Species?</th> <th style="text-align: center;">Indicator Status</th> </tr> <tr><td>1.</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td></td><td></td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="2"></td> <td style="text-align: right;">=Total Cover</td> <td></td> <td></td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Sapling/Shrub Stratum</th> <th style="text-align: center;">(Plot size: <u>15</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1.</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td></td><td></td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="2"></td> <td style="text-align: right;">=Total Cover</td> <td></td> <td></td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Herb Stratum</th> <th style="text-align: center;">(Plot size: <u>5</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1. <u>Medicago sativa</u></td><td></td><td style="text-align: center;">100</td><td style="text-align: center;">Yes</td><td style="text-align: center;">FACU</td></tr> <tr><td>2.</td><td></td><td></td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td></tr> <tr><td>6.</td><td></td><td></td><td></td><td></td></tr> <tr><td>7.</td><td></td><td></td><td></td><td></td></tr> <tr><td>8.</td><td></td><td></td><td></td><td></td></tr> <tr><td>9.</td><td></td><td></td><td></td><td></td></tr> <tr><td>10.</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="2"></td> <td style="text-align: right;">100 =Total Cover</td> <td></td> <td></td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Woody Vine Stratum</th> <th style="text-align: center;">(Plot size: <u>30</u>)</th> <th></th> <th></th> <th></th> </tr> <tr><td>1.</td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="2"></td> <td style="text-align: right;">=Total Cover</td> <td></td> <td></td> </tr> </table>	Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	1.					2.					3.					4.					5.							=Total Cover			Sapling/Shrub Stratum	(Plot size: <u>15</u>)				1.					2.					3.					4.					5.							=Total Cover			Herb Stratum	(Plot size: <u>5</u>)				1. <u>Medicago sativa</u>		100	Yes	FACU	2.					3.					4.					5.					6.					7.					8.					9.					10.							100 =Total Cover			Woody Vine Stratum	(Plot size: <u>30</u>)				1.					2.							=Total Cover			Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Total % Cover of:</th> <th style="text-align: left;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>100</u></td> <td>x 4 = <u>400</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>400</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>4.00</u></td> </tr> </table> Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u> </u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0¹ <u> </u> 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>100</u>	x 4 = <u>400</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>100</u> (A)	<u>400</u> (B)	Prevalence Index = B/A = <u>4.00</u>	
Tree Stratum	(Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status																																																																																																																																																																			
1.																																																																																																																																																																							
2.																																																																																																																																																																							
3.																																																																																																																																																																							
4.																																																																																																																																																																							
5.																																																																																																																																																																							
		=Total Cover																																																																																																																																																																					
Sapling/Shrub Stratum	(Plot size: <u>15</u>)																																																																																																																																																																						
1.																																																																																																																																																																							
2.																																																																																																																																																																							
3.																																																																																																																																																																							
4.																																																																																																																																																																							
5.																																																																																																																																																																							
		=Total Cover																																																																																																																																																																					
Herb Stratum	(Plot size: <u>5</u>)																																																																																																																																																																						
1. <u>Medicago sativa</u>		100	Yes	FACU																																																																																																																																																																			
2.																																																																																																																																																																							
3.																																																																																																																																																																							
4.																																																																																																																																																																							
5.																																																																																																																																																																							
6.																																																																																																																																																																							
7.																																																																																																																																																																							
8.																																																																																																																																																																							
9.																																																																																																																																																																							
10.																																																																																																																																																																							
		100 =Total Cover																																																																																																																																																																					
Woody Vine Stratum	(Plot size: <u>30</u>)																																																																																																																																																																						
1.																																																																																																																																																																							
2.																																																																																																																																																																							
		=Total Cover																																																																																																																																																																					
Total % Cover of:	Multiply by:																																																																																																																																																																						
OBL species <u>0</u>	x 1 = <u>0</u>																																																																																																																																																																						
FACW species <u>0</u>	x 2 = <u>0</u>																																																																																																																																																																						
FAC species <u>0</u>	x 3 = <u>0</u>																																																																																																																																																																						
FACU species <u>100</u>	x 4 = <u>400</u>																																																																																																																																																																						
UPL species <u>0</u>	x 5 = <u>0</u>																																																																																																																																																																						
Column Totals: <u>100</u> (A)	<u>400</u> (B)																																																																																																																																																																						
Prevalence Index = B/A = <u>4.00</u>																																																																																																																																																																							
Remarks: (Include photo numbers here or on a separate sheet.)																																																																																																																																																																							

SOIL

Sampling Point: FW1B

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	10YR 2/1	100					Loamy/Clayey	
10-16	10YR 3/2	100					Loamy/Clayey	
16-24	10YR 4/3	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Iron-Manganese Masses (F12)
☐ Histic Epipedon (A2)	☐ Red Parent Material (F21)
☐ Black Histic (A3)	☐ Very Shallow Dark Surface (F22)
☐ Hydrogen Sulfide (A4)	☐ Other (Explain in Remarks)
☐ Stratified Layers (A5)	
☐ 2 cm Muck (A10)	
☐ Depleted Below Dark Surface (A11)	
☐ Thick Dark Surface (A12)	
☐ Iron Monosulfide (A18)	
☐ Sandy Mucky Mineral (S1)	
☐ 5 cm Mucky Peat or Peat (S3)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No _____
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage Patterns (B10)	
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water Table (C2)	
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Geomorphic Position (D2)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)		
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)		

Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

FARMED WETLAND DETERMINATION

**TANNER ROAD SOLAR STUDY AREA
AURORA, KANE COUNTY, ILLINOIS**

Prepared For:

Catfish Renewable Energy, LLC
300 Gailes Court
Roseville, CA 95747

Prepared By:

Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018

CBBEL Project No. 260254

June 25, 2026

INTRODUCTION

On June 19, 2026, Christopher B. Burke Engineering, Ltd. (CBBEL) completed a Farmed Wetland Determination (FWD) for the Tanner Road Solar study area using Natural Resources Conservation Service (NRCS) and U.S. Army Corps of Engineers (USACE) authorized procedures. The study area is located south of Tanner Road, west of Deerpath Road, east of Lake Run Lane, and north of Interstate 88 in North Aurora, Kane County, Illinois. Geographically, the study area is located in Section 1, Township 38 North, and Range 7, East of the 3rd Principal Meridian (Lat. 41.808344°, Long. -88.388996°).

FARMED WETLAND DETERMINATION PROCEDURES

The NRCS determines farmed wetland boundaries through use of existing data, including those listed in Table 1.

Table 1: Summary of existing data sources.

CBBEL Exhibit	Title of Data Source	Wetland(s) and/or Hydric Soils Mapped	Comments
2	National Wetlands Inventory Map Sugar Grove Quadrangle (1983)	No	No wetland signatures are mapped within the study area.
3	Soil Survey of Kane County, Illinois (2019)	Yes	103A – Houghton Muck and 152A – Drummer Silty Clay Loam, both hydric soils, are mapped within the study area.
Table 2	NRCS wetland spectral response criteria and category definitions used in the interpretation of the Historic Aerials for five normal precipitation years (2014, 2017, 2019, 2021, & 2023) and one wet precipitation year (2011)	Appendix A	Spectral signature of potential farmed wetlands identified.

The USACE Antecedent Precipitation Tool (APT) is a resource developed by the USACE to aid in the determination of climactic conditions for a specified location on a given date. To identify farmed wetlands, this tool is utilized to determine if spectral signatures for potential farmed wetlands (PFWs) were identified during Normal, Wet, or Dry precipitation conditions. In order for a PFW to be classified as a farmed wetland, spectral signatures must be identified on one *Wet* precipitation image, as well as over 50% of the *Normal* precipitation images surveyed. *Dry* precipitation imagery is not used. Imagery surveyed over multiple years is utilized, with only one satellite image used per year and, at minimum, five *Normal* images and one *Wet* image analyzed. The APT output can be found under Appendix C.

Six aerial images, including five Normal and one Wet precipitation condition, were examined, and all PFWs were indicated on aerial photography (Appendix B). Each PFW was evaluated year-by-year using the criteria in Appendix A. The results are summarized in Table 2. Representative aerial photographs indicating the year and slide number reviewed are included under Appendix B.

**Table 2: Tanner Road Solar Study Area:
Precipitation and Aerial Slide Analysis Summary**

Year	Precipitation Condition ¹	Spectral Signature of Potential Farmed Wetland Area					
		PFW 1	PFW 2	PFW 3	PFW 4	PFW 5	PFW 6
2011	Wet	X	X				
2014	Normal	X	X	X			
2017	Normal	X	X		X		
2019	Normal	X	X		X		
2021	Normal	X	X				
2023	Normal	X	X			X	X
TOTAL YEARS OBSERVED		6	6	1	2	1	1
PERCENTAGE OBSERVED OUT OF 6 YEARS		100%	100%	16.67%	33.33%	16.67%	16.67%
FARMED WETLAND		Yes	Yes	No	No	No	No

¹ Precipitation Condition assessed using the USACE Antecedent Precipitation Tool, Appendix C

DETERMINATION RESULTS AND ANALYSIS

As Table 2 summarizes, spectral signatures for PFWs 1 & 2 were observed in both the one Wet precipitation year and in more than 50% of the five years of Normal precipitation reviewed, as determined by the APT. **Based on field conditions observed during CBEL's wetland delineation, PFW 1 did not meet the necessary wetland indicators. Therefore, PFW 2 was determined to be the only farmed wetland on-site (as shown in Exhibit 8 as Farmed Wetland 1).**

As required, CBEL Environmental Resources staff utilized the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (August 2010), to identify the presence of Waters of the U.S. and wetland areas within non-agricultural portions of the study area. One wetland area and one farmed wetland pasture were identified within the study area using the USACE Wetland Delineation methodology (Exhibit 8).

APPENDIX A

NRCS SPECTRAL RESPONSE CRITERIA AND CATEGORY DEFINITIONS FOR WETLAND DETERMINATION

Wetland spectral responses are the indications left in a field and thus recorded by photograph of:

- Ponding, flooding or impacts of saturation for sufficient duration that meets wetland hydrology and possibly wetland vegetation criteria
- Hydrophytic vegetation (observed as different vegetative colors and pattern than crop or forage)
- Surface water
- Drowned-out crops
- Difference in vegetation within a field due to different planting dates
- Patches of greener vegetation (crop) during years of drier than normal precipitation
- Crop stress (areas of yellow crop or sparse canopy coverage of crop)
- Isolated areas not farmed with rest of field
- Inclusion of wet areas as set-aside if other signs of wetness are present
- Area on National Wetlands Inventory map

The NRCS uses five different categories to classify the various wetland/non-wetland situations.

PC = prior converted cropland. These are areas that were cleared, drained or filled and cropped before December 23, 1985 and have been maintained as cropland. This land may be farmed and maintained or improved in any way, as long as it continues to be used to grow corn, soybeans, wheat or similar crops, or any of these in rotation with hay or pasture. Abandonment of PC areas occurs when cropping is discontinued or no attempt is made to maintain the area as cropland for at least five years. Such areas will be reclassified as wetland (W, see below) and subject to the jurisdiction of the U.S. Army Corps of Engineers (COE) if hydrophytic vegetation returns to the site.

W = wetland. This is a wet area that is not normally cropped, has wet, saturated soil during some part of the growing season, and would support hydrophytic vegetation if the area was not disturbed by tillage, mowing or similar actions. Wetlands may be cropped during dry periods if the current or original natural vegetation is not trees or shrubs. Actions such as clearing, filling or draining will cause a wetland to be reclassified as CW and can fall under the jurisdiction of the COE or the NRCS depending on how the conversion took place.

CW = converted wetland. Croplands labeled as CW are areas that were:

- Cleared, drained, filled and/or otherwise changed in order to plant corn, soybeans, wheat or other annual crops after December 23, 1985, or
- Cleared of trees or shrubs before December 23, 1985 without recent cropping, or drained before December 23, 1985, but
- Not cleared of trees until after December 1985 to plant corn, soybeans, wheat or other annual crops, and

- Can fall under the jurisdiction of the COE or the NRCS depending on how the conversion took place.

FW = farmed wetland. FW areas are croplands that:

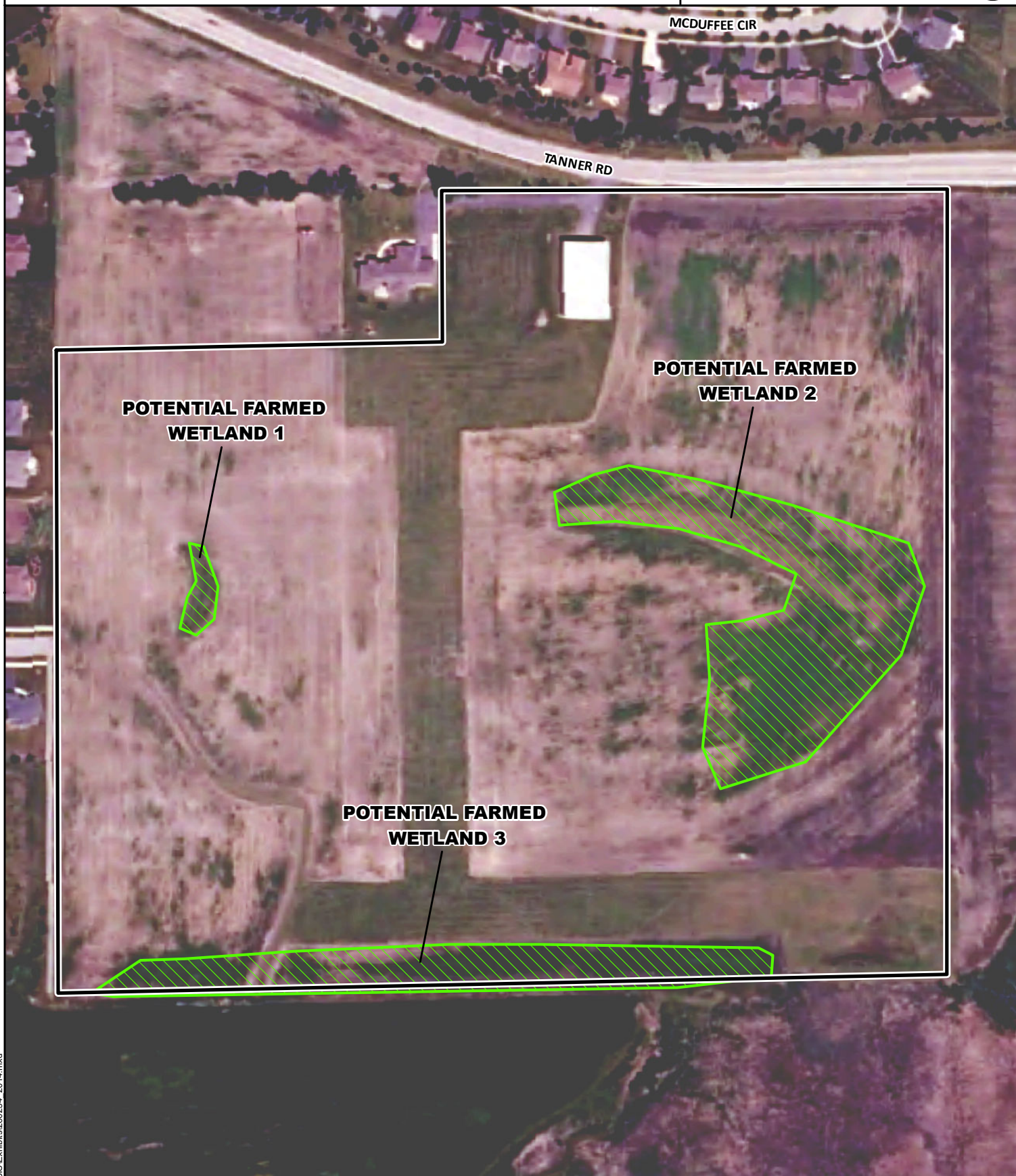
- Were cleared, drained or filled and cropped before December 23, 1985 and
- Are saturated or have enough ponded water that in most years the areas are too wet to plant or harvest, or yields are significantly reduced.

AW = artificial wetland. An AW is an area that was man-made and was not wet at the time of disturbance.

APPENDIX B



CLIENT:		TITLE:			
CATFISH RENEWABLE ENERGY, LLC		HISTORIC AERIAL 2011		CBBEL # 26-0254	
				DATE: 6/24/2026	
CBB CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500				2011	
		DSGN.		SCALE:	1" = 217.08'
		DWN.	KEK	USER:	KKOPIJA
		CHKD.	JMA	PLOT DATE:	6/24/2026
		FILE NAME:	260254_2011		



CLIENT:		TITLE:			
CATFISH RENEWABLE ENERGY, LLC		HISTORIC AERIAL 2014		CBBEL # 26-0254	
				DATE: 6/24/2026	
 CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500		DSGN.		SCALE:	1" = 217.08'
		DWN.	KEK	USER:	KKOPIJA
		CHKD.	JMA	PLOT DATE:	6/24/2026
		FILE NAME:	260254_2014		
				2014	



CLIENT:		TITLE:			
CATFISH RENEWABLE ENERGY, LLC		HISTORIC AERIAL 2017		CBBEL # 26-0254	
				DATE: 6/24/2026	
 CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500				2017	
		DSGN.		SCALE:	1" = 217.08'
		DWN.	KEK	USER:	KKOPIJA
		CHKD.	JMA	PLOT DATE:	6/24/2026
		FILE NAME:	260254_2017		



CLIENT:		TITLE:			
CATFISH RENEWABLE ENERGY, LLC		HISTORIC AERIAL 2019		CBBEL # 26-0254	
				DATE: 6/24/2026	
CB CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500		DSGN.			SCALE: 1" = 217.08'
		DWN.		KEK	USER: KKOPJA
		CHKD.		JMA	PLOT DATE: 6/24/2026
		FILE NAME:		260254_2019	
				2019	

N:\Catfish\RenewableEnergy\260254\GIS\Exhibits\260254_2019.mxd



CLIENT: CATFISH RENEWABLE ENERGY, LLC		TITLE: HISTORIC AERIAL 2021		CBBEL # 26-0254	
				DATE: 6/24/2026	
CBB CHRISTOPHER B. BURKE Engineering, Ltd. 9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500		DSGN.		SCALE:	1" = 217.08'
		DWN.	KEK	USER:	KKOPIJA
		CHKD.	JMA	PLOT DATE:	6/24/2026
		FILE NAME:	260254_2021		
					2021



CLIENT:		TITLE:		CBBEL # 26-0254	
CATFISH RENEWABLE ENERGY, LLC		HISTORIC AERIAL 2023		DATE: 6/24/2026	
				2023	
	CHRISTOPHER B. BURKE Engineering, Ltd.		DSGN.		SCALE: 1" = 217.08'
	9575 W. Higgins Road, Suite 600, Rosemont, Illinois 60018 (847)823-0500		DWN.	KEK	USER: KKOPJA
			CHKD.	JMA	PLOT DATE: 6/24/2026
		FILE NAME: 260254_2023			

APPENDIX C

Antecedent Precipitation Tool v3.0 - Watershed Sampling Summary

Generated on 2026-06-18

User Inputs

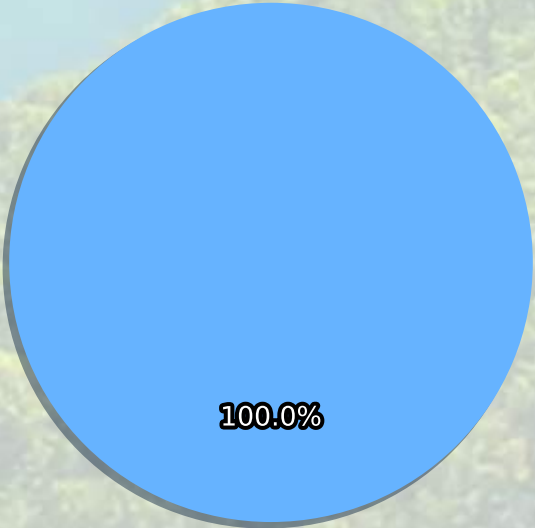
Coordinates	41.80789, -88.38851
Date	2011-08-02
Geographic Scope	HUC12
Used Gridded Precipitaton	False

Intermediate Data

Hydrologic Unit Code	071200070201
Watershed Size	44.27 mi ²
# Random Sampling Points	5

Preliminary Result

Average Antecedent Precipitation Score	17.0
Preliminary Determination	Wetter than Normal

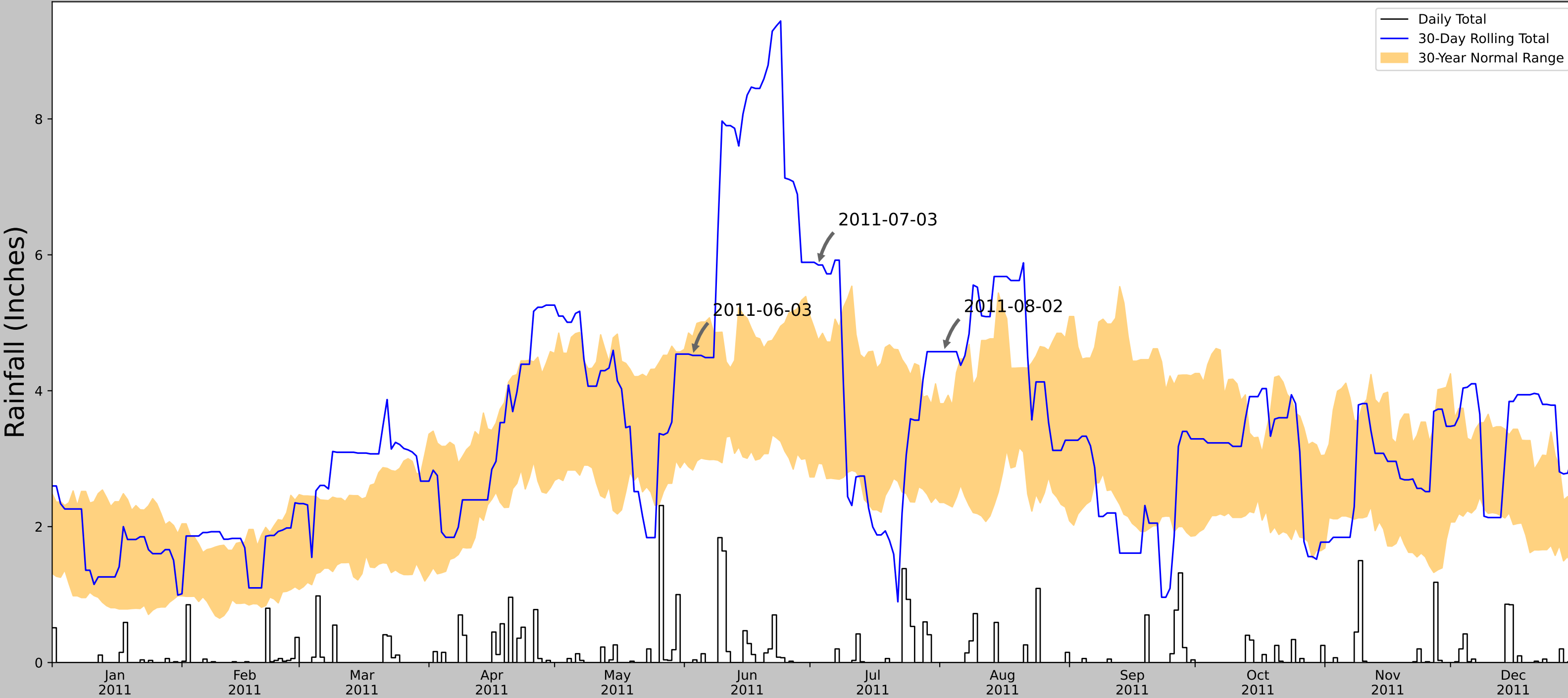


Wetter than Normal

Sampling Point Breakdown

Antecedent Precipitation Score	Antecedent Precipitation Condition	WebWIMP H ₂ O Balance	Drought Index (PDSI)	# of Points
17	Wetter than Normal	Dry Season	Moderate wetness	5

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.80789, -88.38851
Observation Date	2011-08-02
Elevation (ft)	765.9
Drought Index (PDSI)	Moderate wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2011-08-02	2.355118	3.809055	4.574803	Wet	3	3	9
2011-07-03	2.932284	4.743701	5.850394	Wet	3	2	6
2011-06-03	2.832677	4.794488	4.519685	Normal	2	1	2
Result							Wetter than Normal - 17



US Army Corps
of Engineers.



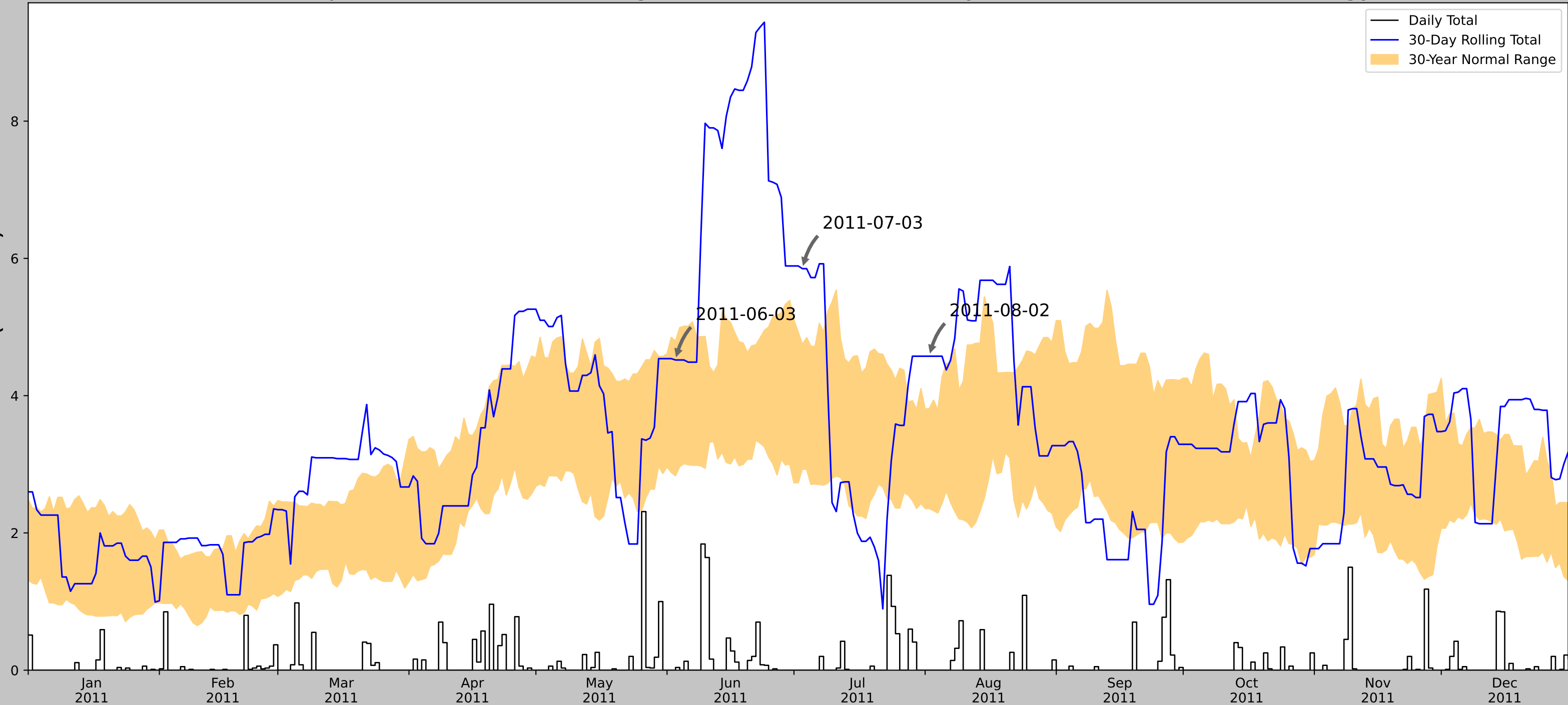
Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.508	91.031	2.439	11025	90
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	292	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network

Rainfall (Inches)



Coordinates	41.76729, -88.432468
Observation Date	2011-08-02
Elevation (ft)	697.978
Drought Index (PDSI)	Moderate wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2011-08-02	2.355118	3.809055	4.574803	Wet	3	3	9
2011-07-03	2.932284	4.743701	5.850394	Wet	3	2	6
2011-06-03	2.832677	4.794488	4.519685	Normal	2	1	2
Result							Wetter than Normal - 17

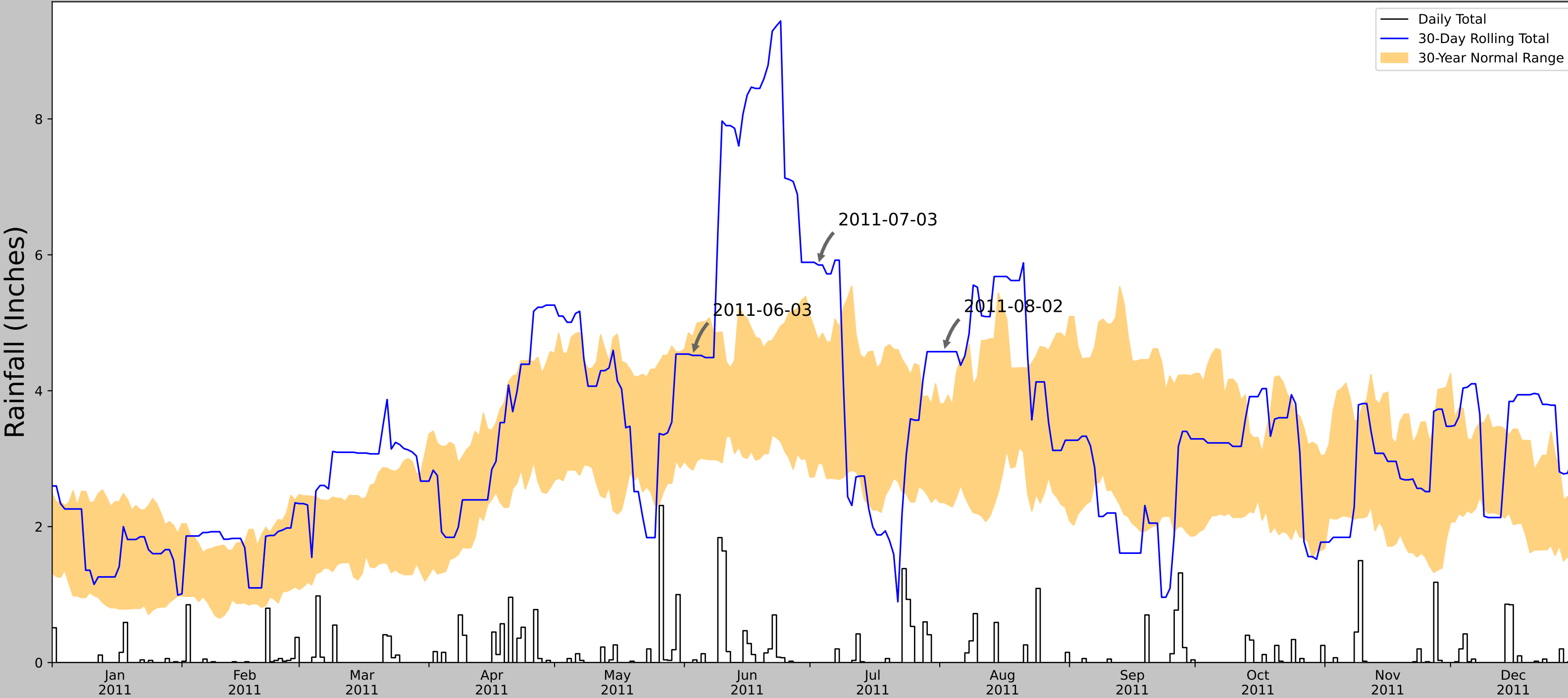
Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0



Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	6.415	23.109	3.035	11025	90
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	292	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.822819, -88.399077
Observation Date	2011-08-02
Elevation (ft)	695.024
Drought Index (PDSI)	Moderate wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2011-08-02	2.355118	3.809055	4.574803	Wet	3	3	9
2011-07-03	2.932284	4.743701	5.850394	Wet	3	2	6
2011-06-03	2.832677	4.794488	4.519685	Normal	2	1	2
Result							Wetter than Normal - 17



US Army Corps
of Engineers.

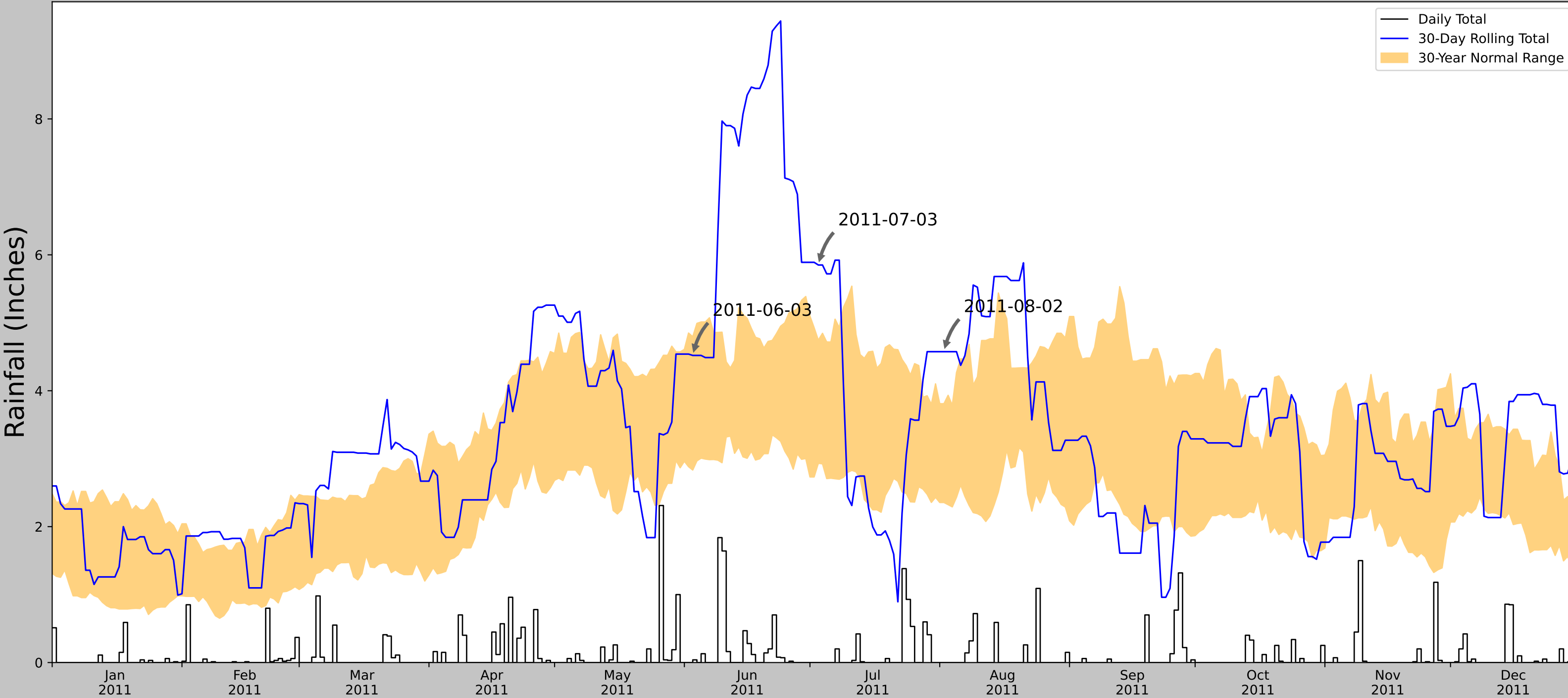


Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	5.483	20.155	2.578	11025	90
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	292	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.868342, -88.45311
Observation Date	2011-08-02
Elevation (ft)	800.84
Drought Index (PDSI)	Moderate wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2011-08-02	2.355118	3.809055	4.574803	Wet	3	3	9
2011-07-03	2.932284	4.743701	5.850394	Wet	3	2	6
2011-06-03	2.832677	4.794488	4.519685	Normal	2	1	2
Result							Wetter than Normal - 17



US Army Corps
of Engineers.

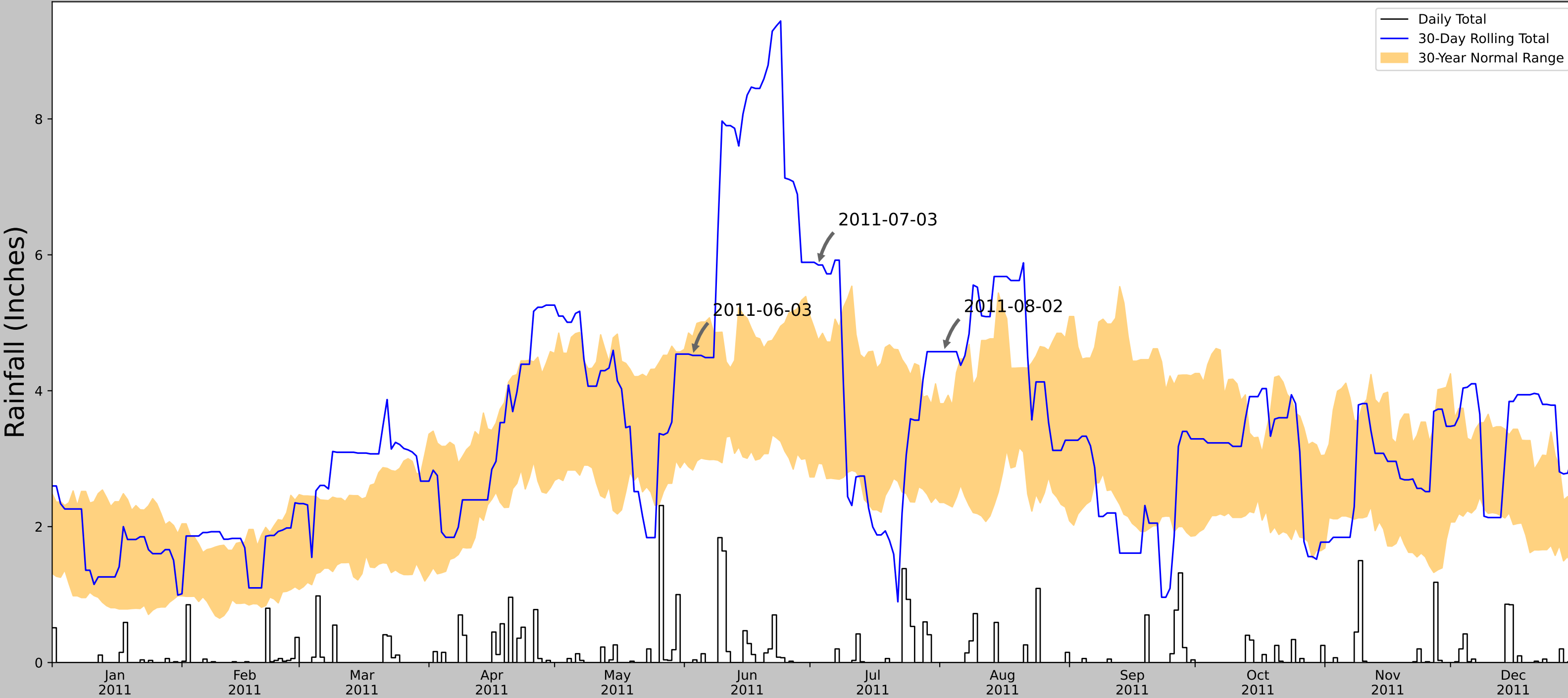


Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	9.587	125.971	5.522	11025	90
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	292	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.814468, -88.483651
Observation Date	2011-08-02
Elevation (ft)	757.363
Drought Index (PDSI)	Moderate wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2011-08-02	2.355118	3.809055	4.574803	Wet	3	3	9
2011-07-03	2.932284	4.743701	5.850394	Wet	3	2	6
2011-06-03	2.832677	4.794488	4.519685	Normal	2	1	2
Result							Wetter than Normal - 17



US Army Corps
of Engineers.



Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	9.291	82.494	4.947	11025	90
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	292	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation Tool v3.0 - Watershed Sampling Summary

Generated on 2026-06-18

User Inputs

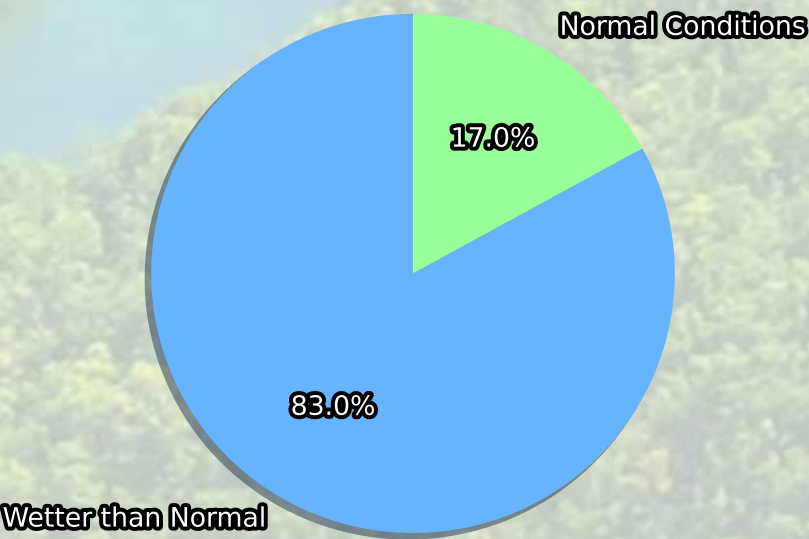
Coordinates	41.80789, -88.38851
Date	2014-06-13
Geographic Scope	HUC12
Used Gridded Precipitaton	False

Intermediate Data

Hydrologic Unit Code	071200070201
Watershed Size	44.27 mi ²
# Random Sampling Points	6

Preliminary Result

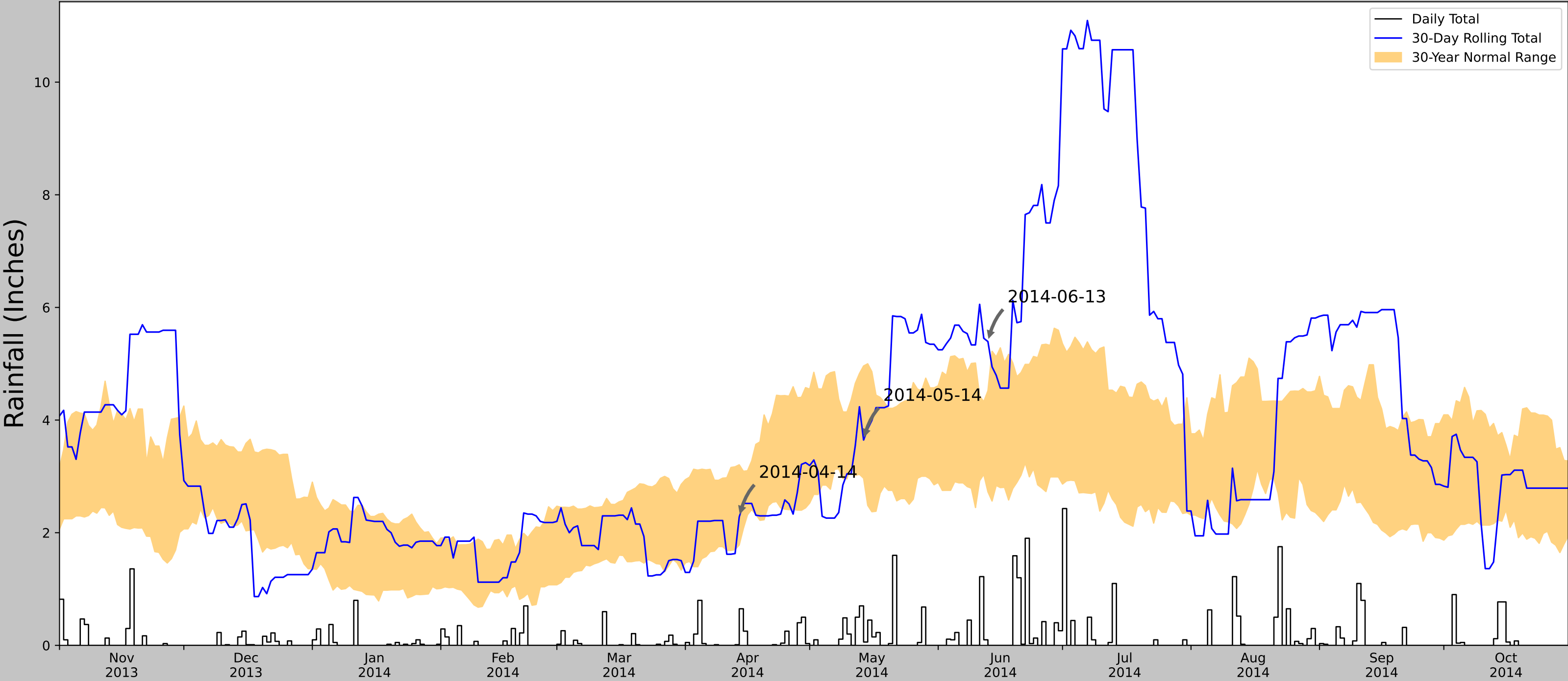
Average Antecedent Precipitation Score	14.17
Preliminary Determination	Normal Conditions



Sampling Point Breakdown

Antecedent Precipitation Score	Antecedent Precipitation Condition	WebWIMP H ₂ O Balance	Drought Index (PDSI)	# of Points
15	Wetter than Normal	Dry Season	Mild wetness	5
10	Normal Conditions	Dry Season	Mild wetness	1

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.80789, -88.38851
Observation Date	2014-06-13
Elevation (ft)	755.185
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2014-06-13	2.725984	4.520473	5.393701	Wet	3	3	9
2014-05-14	2.967717	4.96063	3.645669	Normal	2	2	4
2014-04-14	1.782677	3.206299	2.279528	Normal	2	1	2
Result							Wetter than Normal - 15



**US Army Corps
of Engineers.**



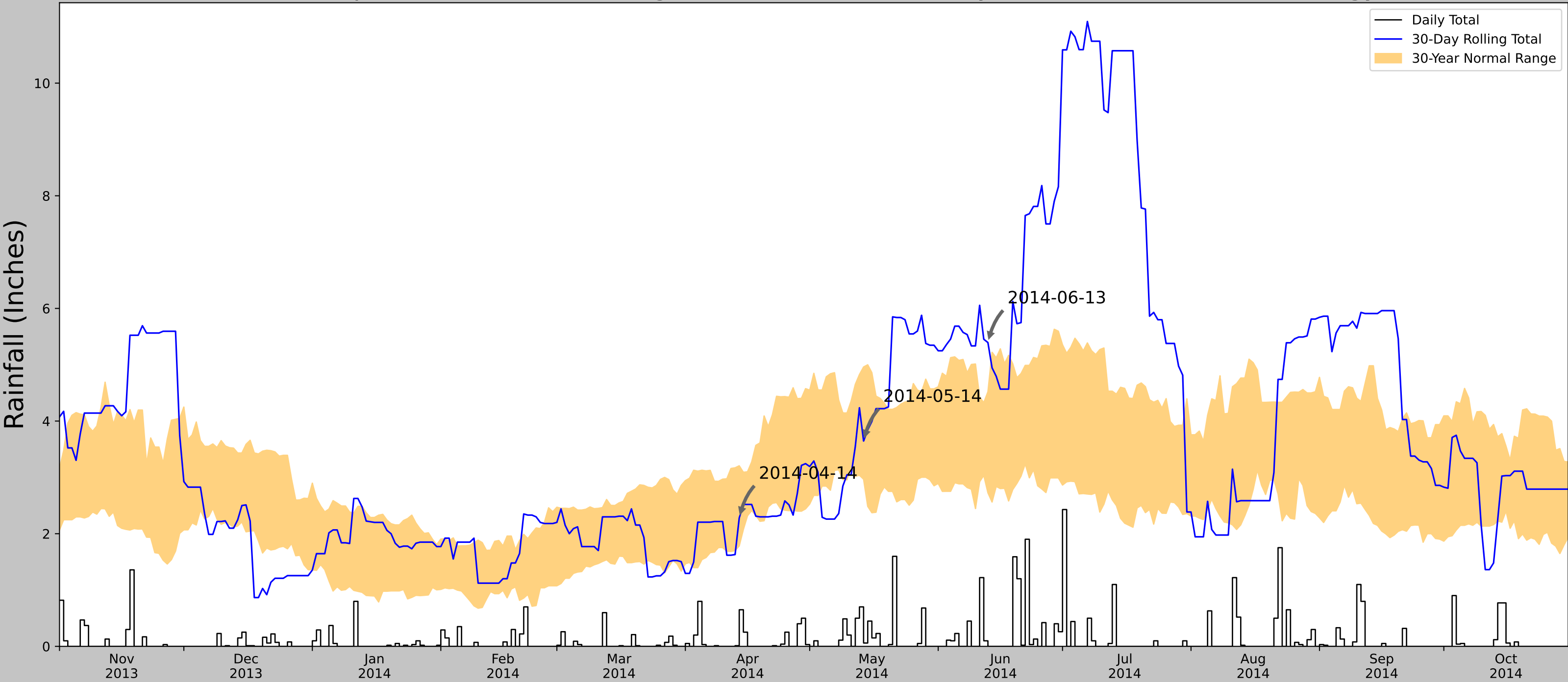
ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.508	80.316	2.391	11081	88
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	4	2
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	1	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	231	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.768179, -88.425544
Observation Date	2014-06-13
Elevation (ft)	704.185
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2014-06-13	2.725984	4.520473	5.393701	Wet	3	3	9
2014-05-14	2.967717	4.96063	3.645669	Normal	2	2	4
2014-04-14	1.782677	3.206299	2.279528	Normal	2	1	2
Result							Wetter than Normal - 15



**US Army Corps
of Engineers.**



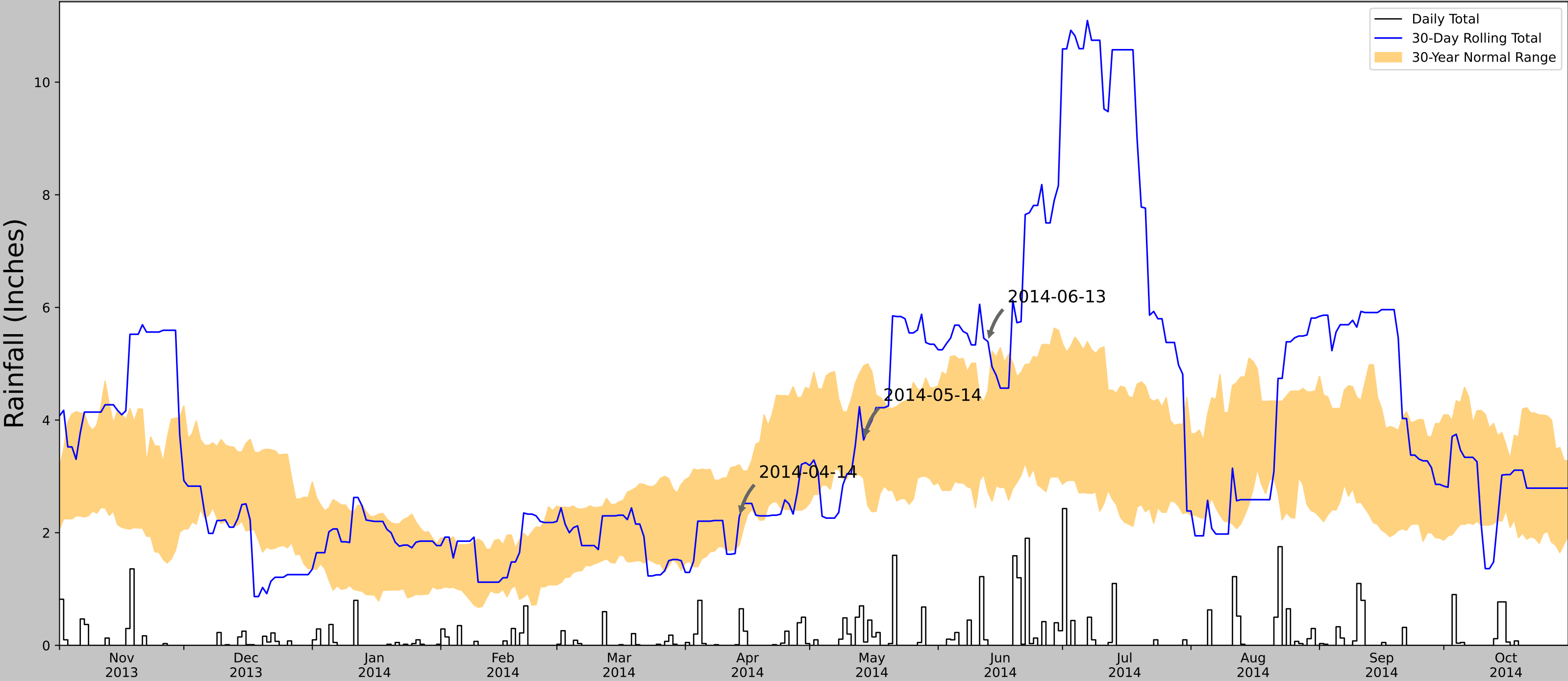
ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	6.053	29.316	2.901	11081	88
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	4	2
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	1	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	231	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.829499, -88.489282
Observation Date	2014-06-13
Elevation (ft)	785.243
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2014-06-13	2.725984	4.520473	5.393701	Wet	3	3	9
2014-05-14	2.967717	4.96063	3.645669	Normal	2	2	4
2014-04-14	1.782677	3.206299	2.279528	Normal	2	1	2
Result							Wetter than Normal - 15



US Army Corps
of Engineers.

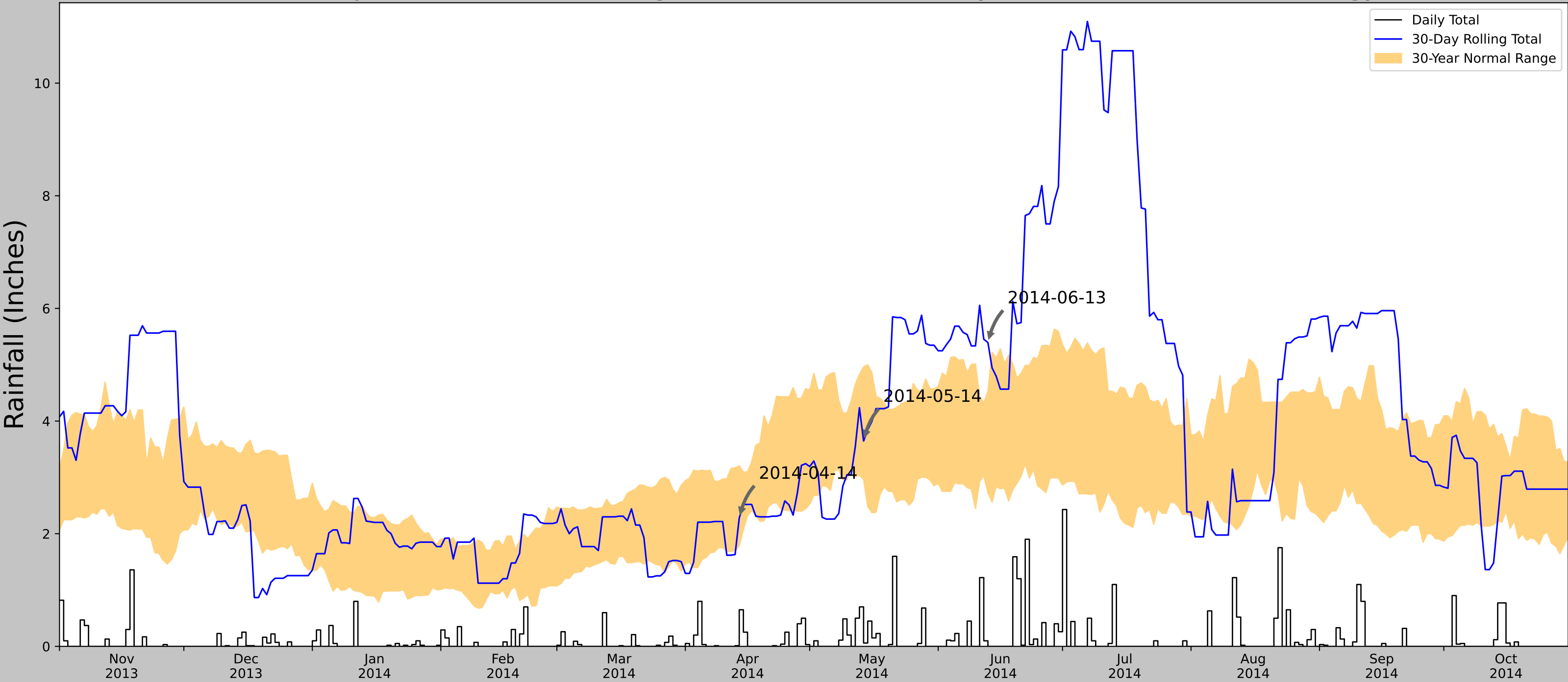


Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	9.878	110.374	5.535	11081	88
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	4	2
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	1	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	231	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.855234, -88.420132
Observation Date	2014-06-13
Elevation (ft)	784.569
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2014-06-13	2.725984	4.520473	5.393701	Wet	3	3	9
2014-05-14	2.967717	4.96063	3.645669	Normal	2	2	4
2014-04-14	1.782677	3.206299	2.279528	Normal	2	1	2
Result							Wetter than Normal - 15



**US Army Corps
of Engineers.**



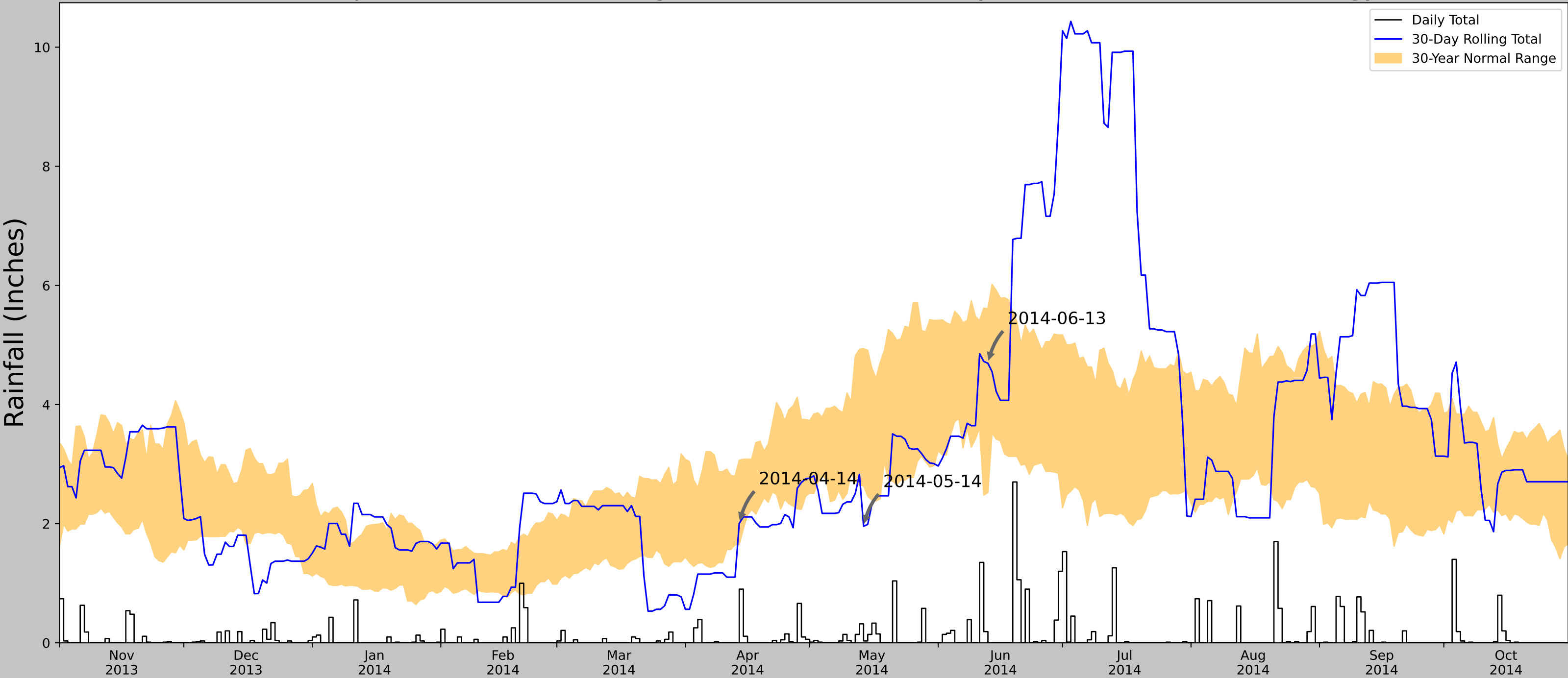
ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	7.709	109.7	4.315	11081	88
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	4	2
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	1	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	231	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.914907, -88.451748
Observation Date	2014-06-13
Elevation (ft)	892.648
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2014-06-13	2.52441	5.610236	4.692914	Normal	2	3	6
2014-05-14	2.637795	4.93937	1.956693	Dry	1	2	2
2014-04-14	1.647638	3.064961	2.003937	Normal	2	1	2
Result							Normal Conditions - 10



**US Army Corps
of Engineers.**



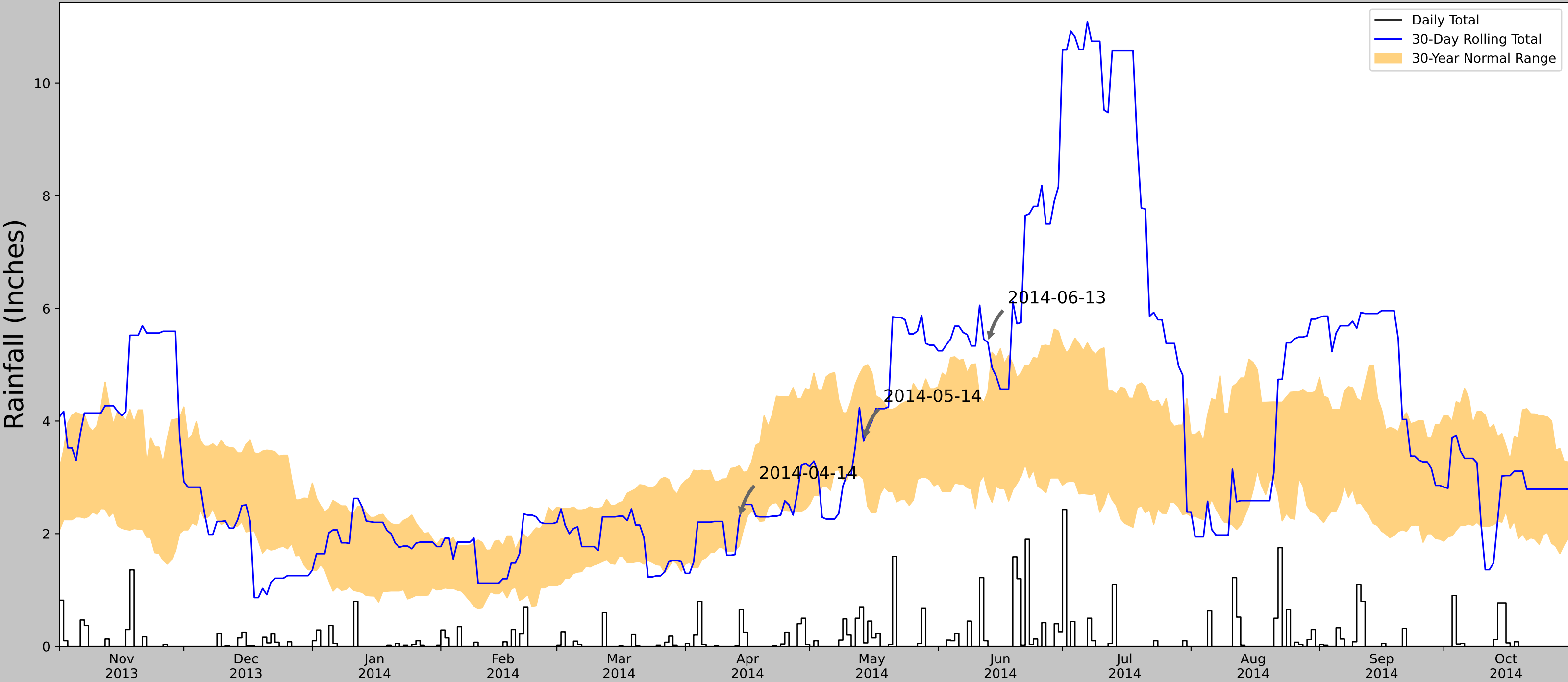
ERDC
ENGINEERING RESEARCH
AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
DE KALB	41.9342, -88.7756	877.953	16.702	14.695	7.761	10984	90
DE KALB 1.4 W	41.9292, -88.7791	881.89	0.39	3.937	0.177	9	0
DE KALB 0.3 ENE	41.9324, -88.747	895.997	1.475	18.044	0.69	2	0
GENOA 2SW	42.0742, -88.7075	826.116	10.286	51.837	5.162	64	0
SHABBONA 3S	41.7328, -88.8642	850.066	14.644	27.887	6.998	31	0
PAW PAW 2S	41.6653, -88.9781	889.108	21.307	11.155	9.826	233	0
MARENGO	42.2636, -88.6078	814.961	24.331	62.992	12.482	30	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.810554, -88.372122
Observation Date	2014-06-13
Elevation (ft)	715.479
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2014-06-13	2.725984	4.520473	5.393701	Wet	3	3	9
2014-05-14	2.967717	4.96063	3.645669	Normal	2	2	4
2014-04-14	1.782677	3.206299	2.279528	Normal	2	1	2
Result							Wetter than Normal - 15



US Army Corps
of Engineers.



ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	3.857	40.61	1.892	11081	88
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	4	2
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	1	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	231	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation Tool v3.0 - Watershed Sampling Summary

Generated on 2026-06-18

User Inputs

Coordinates	41.80789, -88.38851
Date	2017-07-02
Geographic Scope	HUC12
Used Gridded Precipitaton	False

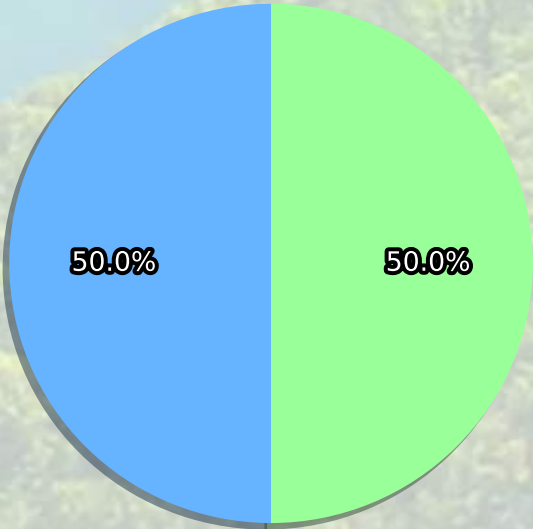
Intermediate Data

Hydrologic Unit Code	071200070201
Watershed Size	44.27 mi ²
# Random Sampling Points	6

Preliminary Result

Average Antecedent Precipitation Score	13.5
Preliminary Determination	Normal Conditions

Wetter than Normal

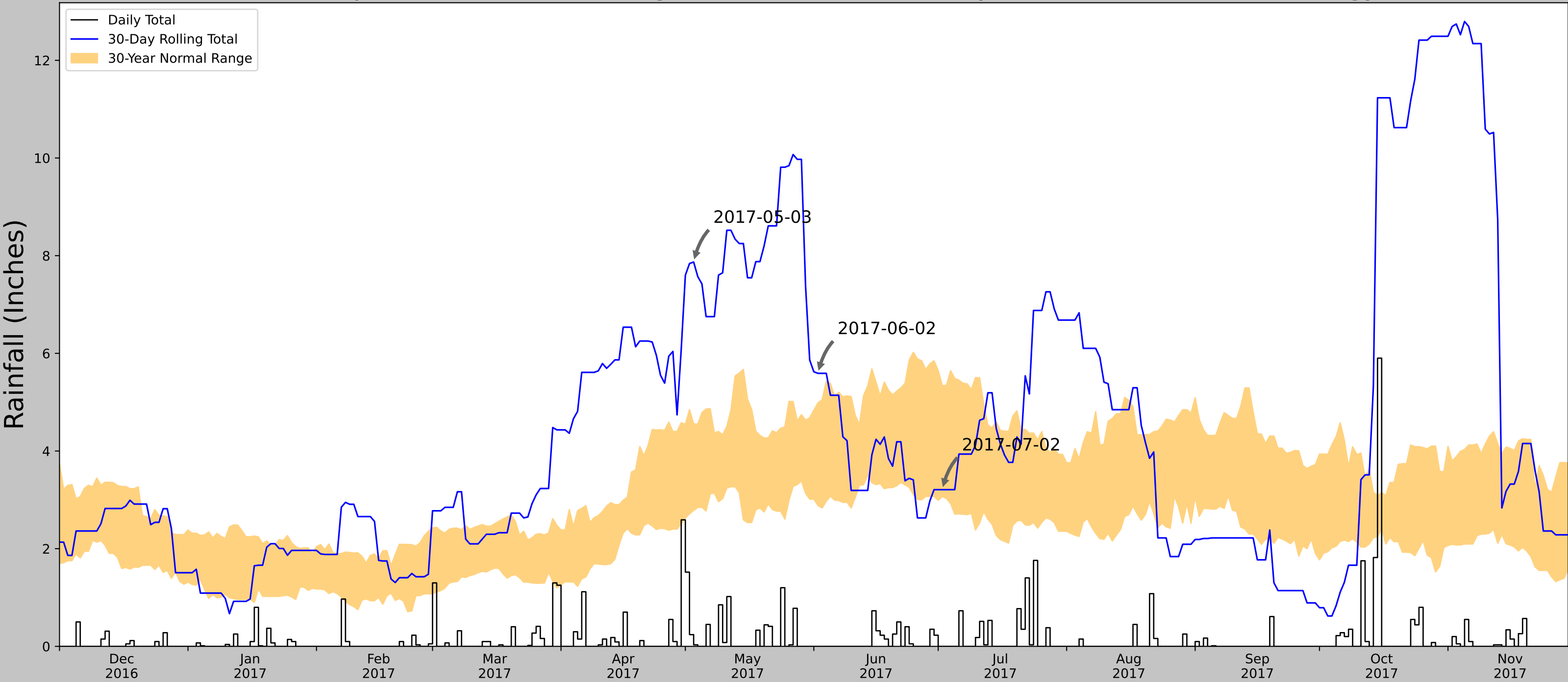


Normal Conditions

Sampling Point Breakdown

Antecedent Precipitation Score	Antecedent Precipitation Condition	WebWIMP H ₂ O Balance	Drought Index (PDSI)	# of Points
15	Wetter than Normal	Dry Season	Extreme wetness	3
13	Normal Conditions	Dry Season	Extreme wetness	2
10	Normal Conditions	Dry Season	Extreme wetness	1

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.80789, -88.38851
Observation Date	2017-07-02
Elevation (ft)	959.981
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2017-07-02	3.070866	5.338583	3.208662	Normal	2	3	6
2017-06-02	2.882284	4.986221	5.590551	Wet	3	2	6
2017-05-03	2.782677	4.553937	7.870079	Wet	3	1	3
Result							Wetter than Normal - 15



US Army Corps
of Engineers.



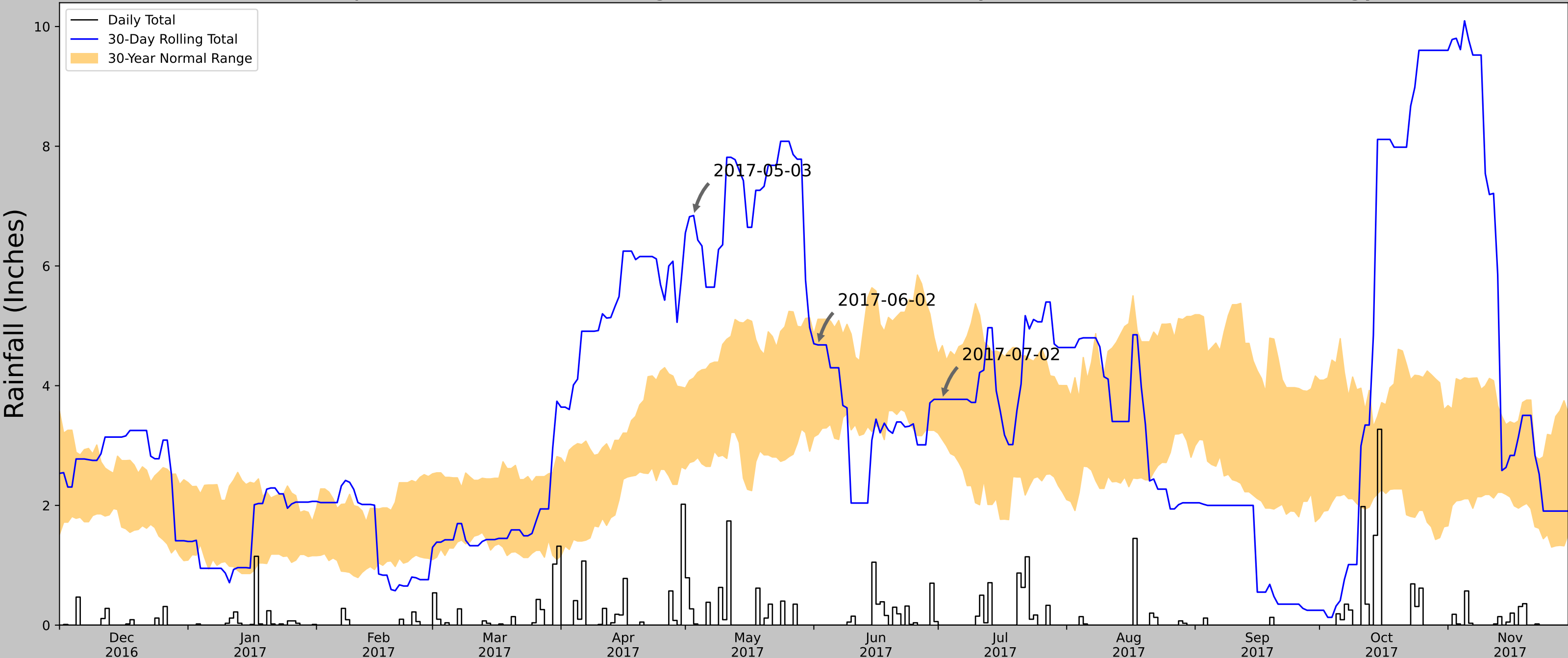
ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.508	285.112	3.314	11079	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	230	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.864315, -88.458459
Observation Date	2017-07-02
Elevation (ft)	772.158
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2017-07-02	3.100788	4.669291	3.771654	Normal	2	3	6
2017-06-02	3.186614	5.110236	4.681103	Normal	2	2	4
2017-05-03	2.737008	4.127953	6.84252	Wet	3	1	3
Result							Normal Conditions - 13

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ELBURN	41.8742, -88.4728	870.079	1.005	97.921	0.551	6039	90
ELBURN 0.3 NW	41.8939, -88.4761	854.987	1.372	15.092	0.638	45	0
ELBURN 2.7 NNE	41.9279, -88.4562	937.992	3.807	67.913	1.972	2	0
LILY LAKE 2.1 E	41.945, -88.4382	862.861	5.205	7.218	2.38	2	0
ST CHARLES 7 NW	41.9603, -88.4228	870.079	6.481	0.0	2.916	120	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	7.117	168.963	4.405	349	0
HAMPSHIRE 8 SE	42.0581, -88.4586	939.961	12.727	69.882	6.617	852	0
AURORA WATER	41.7803, -88.3092	674.869	10.632	195.21	6.86	3683	0
DE KALB	41.9342, -88.7756	877.953	16.113	7.874	7.378	230	0
ELGIN WATER	42.0628, -88.2861	745.079	16.18	125.0	9.303	31	0



US Army Corps
of Engineers.

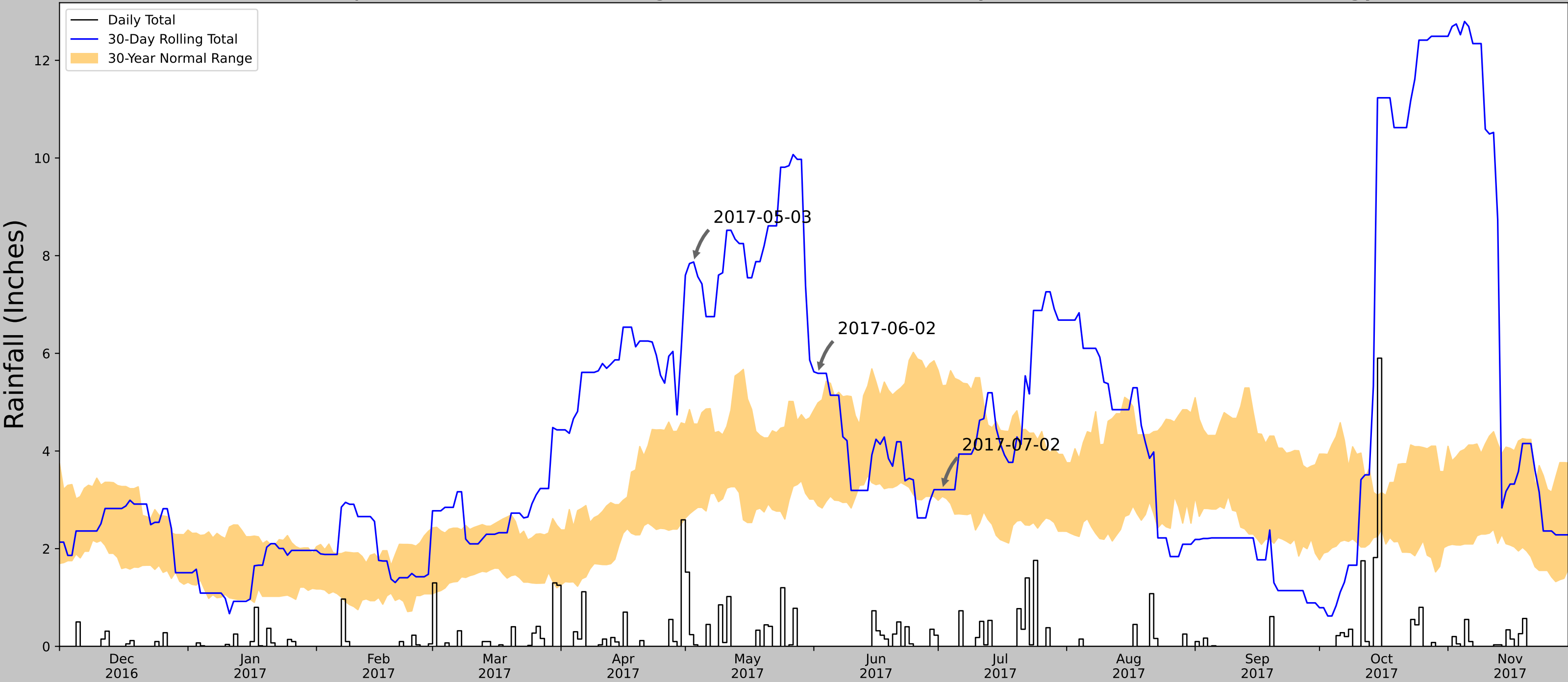


ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.818922, -88.375771
Observation Date	2017-07-02
Elevation (ft)	701.439
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2017-07-02	3.070866	5.338583	3.208662	Normal	2	3	6
2017-06-02	2.882284	4.986221	5.590551	Wet	3	2	6
2017-05-03	2.782677	4.553937	7.870079	Wet	3	1	3
Result							Wetter than Normal - 15



US Army Corps
of Engineers.



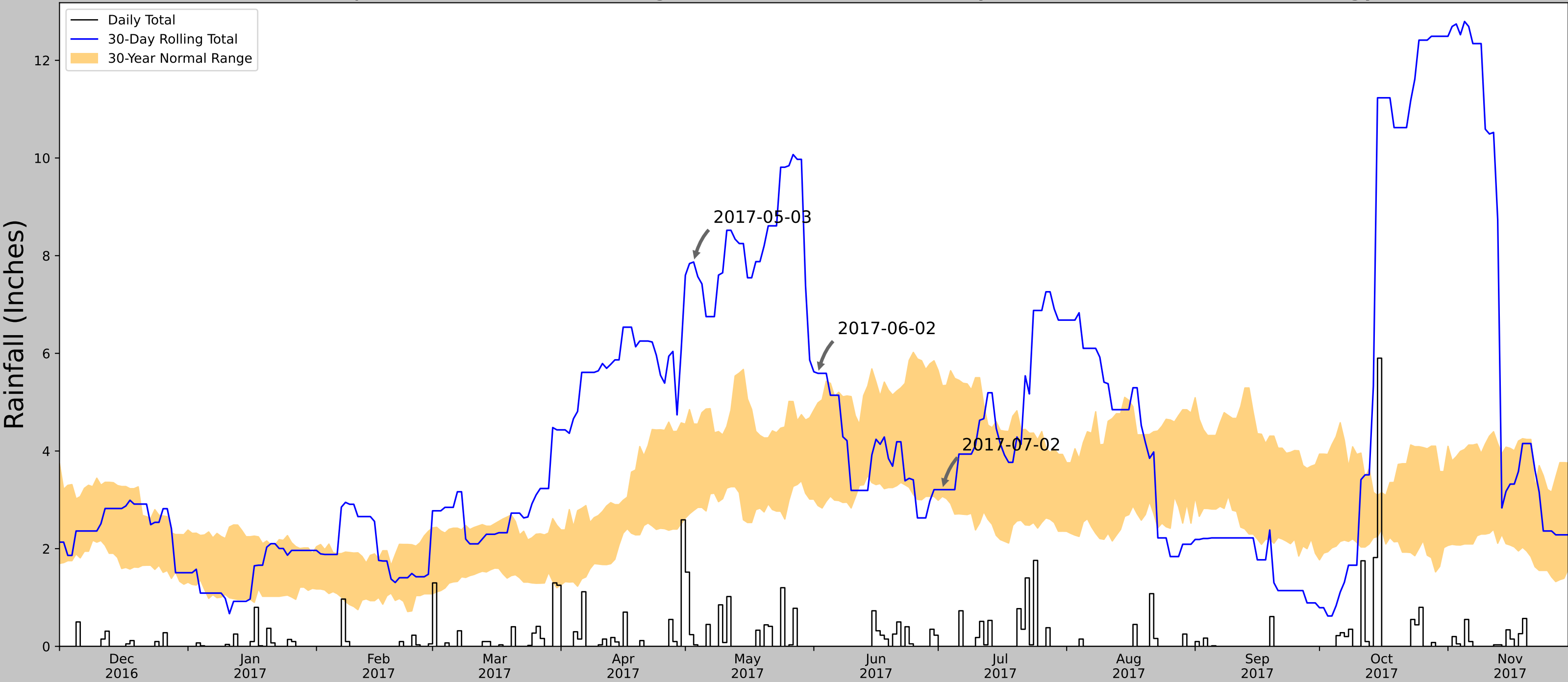
ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.345	26.57	2.071	11079	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	230	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.767807, -88.444827
Observation Date	2017-07-02
Elevation (ft)	713.946
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2017-07-02	3.070866	5.338583	3.208662	Normal	2	3	6
2017-06-02	2.882284	4.986221	5.590551	Wet	3	2	6
2017-05-03	2.782677	4.553937	7.870079	Wet	3	1	3
Result							Wetter than Normal - 15



**US Army Corps
of Engineers.**



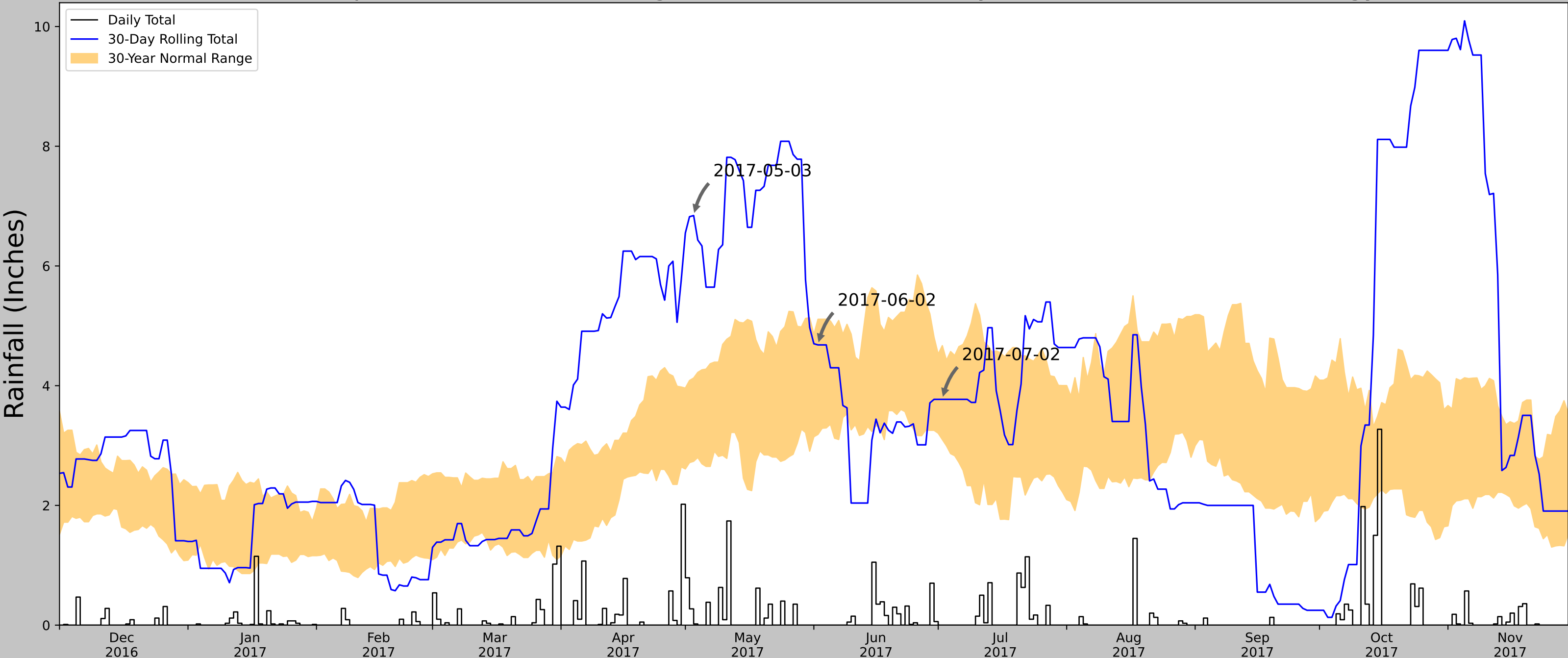
ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	7.042	39.077	3.444	11079	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	230	0
ELGIN WATER	42.0628, -88.2861	745.079	19.555	70.21	10.173	31	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.915788, -88.451336
Observation Date	2017-07-02
Elevation (ft)	917.248
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2017-07-02	3.100788	4.669291	3.771654	Normal	2	3	6
2017-06-02	3.186614	5.110236	4.681103	Normal	2	2	4
2017-05-03	2.737008	4.127953	6.84252	Wet	3	1	3
Result							Normal Conditions - 13

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ELBURN	41.8742, -88.4728	870.079	3.078	47.169	1.53	6039	90
ELBURN 0.3 NW	41.8939, -88.4761	854.987	1.372	15.092	0.638	45	0
ELBURN 2.7 NNE	41.9279, -88.4562	937.992	3.807	67.913	1.972	2	0
LILY LAKE 2.1 E	41.945, -88.4382	862.861	5.205	7.218	2.38	2	0
ST CHARLES 7 NW	41.9603, -88.4228	870.079	6.481	0.0	2.916	120	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	7.117	168.963	4.405	349	0
HAMPSHIRE 8 SE	42.0581, -88.4586	939.961	12.727	69.882	6.617	852	0
AURORA WATER	41.7803, -88.3092	674.869	10.632	195.21	6.86	3683	0
DE KALB	41.9342, -88.7756	877.953	16.113	7.874	7.378	230	0
ELGIN WATER	42.0628, -88.2861	745.079	16.18	125.0	9.303	31	0



US Army Corps
of Engineers.

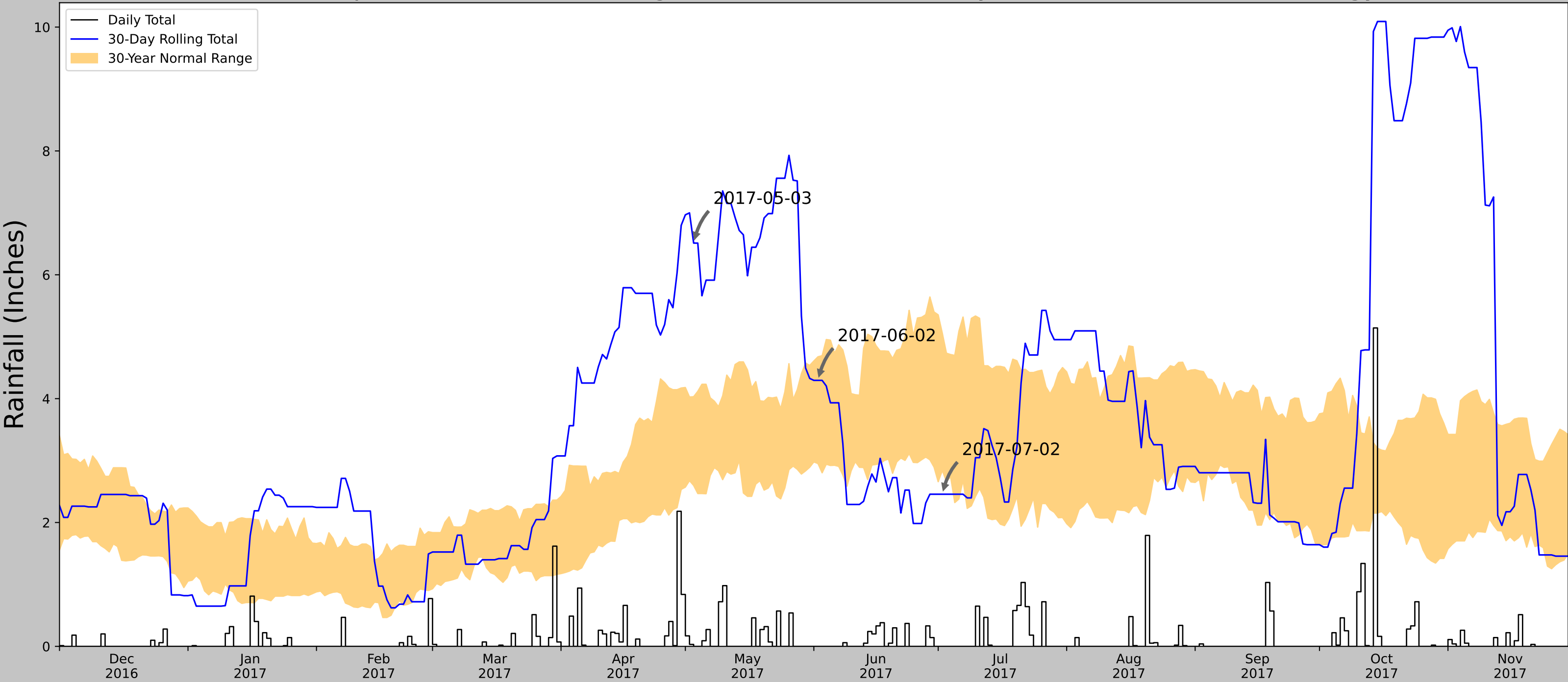


ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.814356, -88.480361
Observation Date	2017-07-02
Elevation (ft)	752.923
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2017-07-02	2.841339	5.056693	2.456693	Dry	1	3	3
2017-06-02	2.951575	4.676378	4.295276	Normal	2	2	4
2017-05-03	2.598032	4.031496	6.511811	Wet	3	1	3
Result							Normal Conditions - 10



**US Army Corps
of Engineers.**



ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	2.968	51.807	1.49	6530	88
SUGAR GROVE 0.7 NE	41.7762, -88.4478	714.895	1.763	13.779	0.818	11	2
SUGAR GROVE 1.4 ENE	41.7787, -88.4343	688.976	2.479	12.14	1.146	1	0
AURORA WATER	41.7803, -88.3092	674.869	8.894	26.247	4.236	4550	0
WHEATON 3 SE	41.8128, -88.0728	680.118	21.242	20.998	10.005	230	0
ELGIN WATER	42.0628, -88.2861	745.079	22.499	43.963	11.114	31	0

Antecedent Precipitation Tool v3.0 - Watershed Sampling Summary

Generated on 2026-06-18

User Inputs

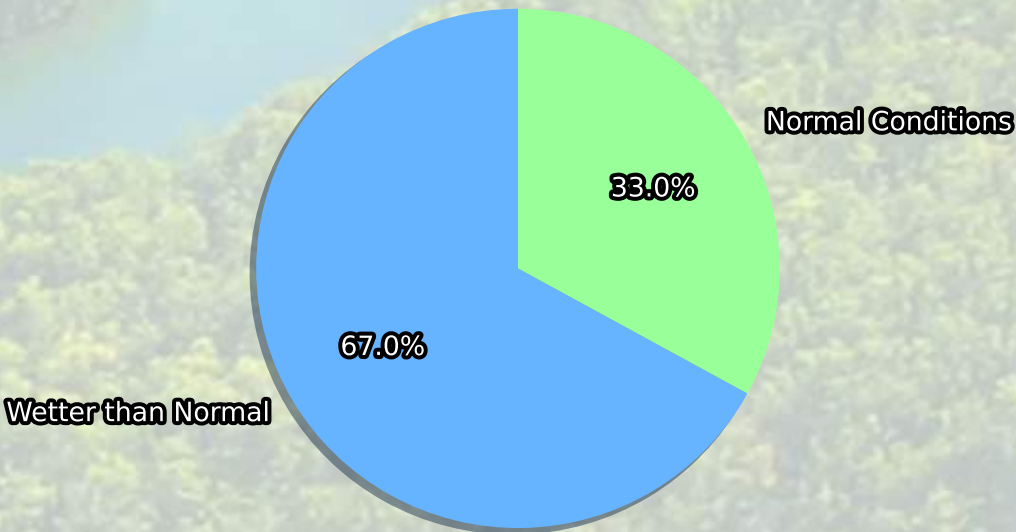
Coordinates	41.80789, -88.38851
Date	2019-08-09
Geographic Scope	HUC12
Used Gridded Precipitaton	False

Intermediate Data

Hydrologic Unit Code	071200070201
Watershed Size	44.27 mi ²
# Random Sampling Points	6

Preliminary Result

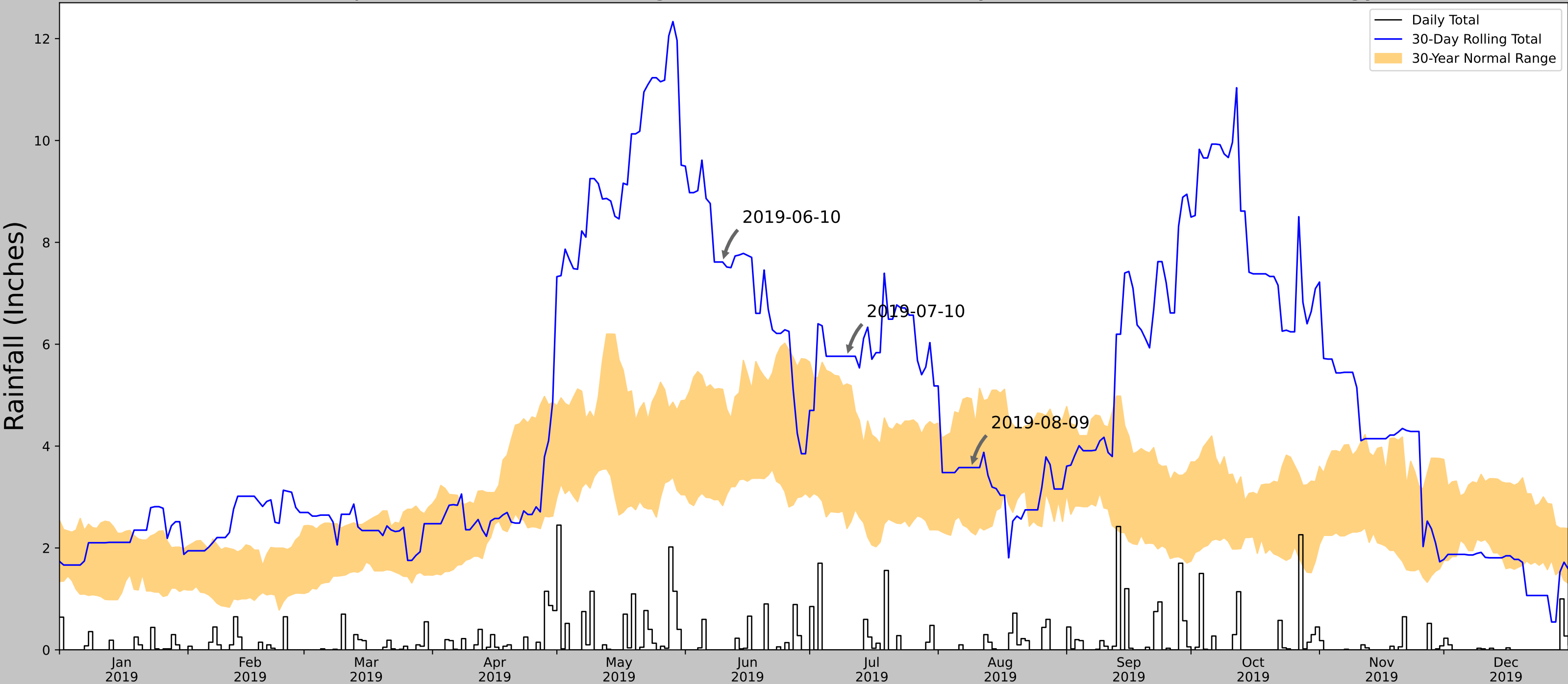
Average Antecedent Precipitation Score	13.33
Preliminary Determination	Normal Conditions



Sampling Point Breakdown

Antecedent Precipitation Score	Antecedent Precipitation Condition	WebWIMP H ₂ O Balance	Drought Index (PDSI)	# of Points
15	Wetter than Normal	Dry Season	Severe wetness	4
10	Normal Conditions	Dry Season	Severe wetness	2

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.80789, -88.38851
Observation Date	2019-08-09
Elevation (ft)	757.363
Drought Index (PDSI)	Severe wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2019-08-09	2.314567	4.929528	3.57874	Normal	2	3	6
2019-07-10	2.383071	5.220473	5.76378	Wet	3	2	6
2019-06-10	2.833071	5.115354	7.614173	Wet	3	1	3
Result							Wetter than Normal - 15



**US Army Corps
of Engineers.**



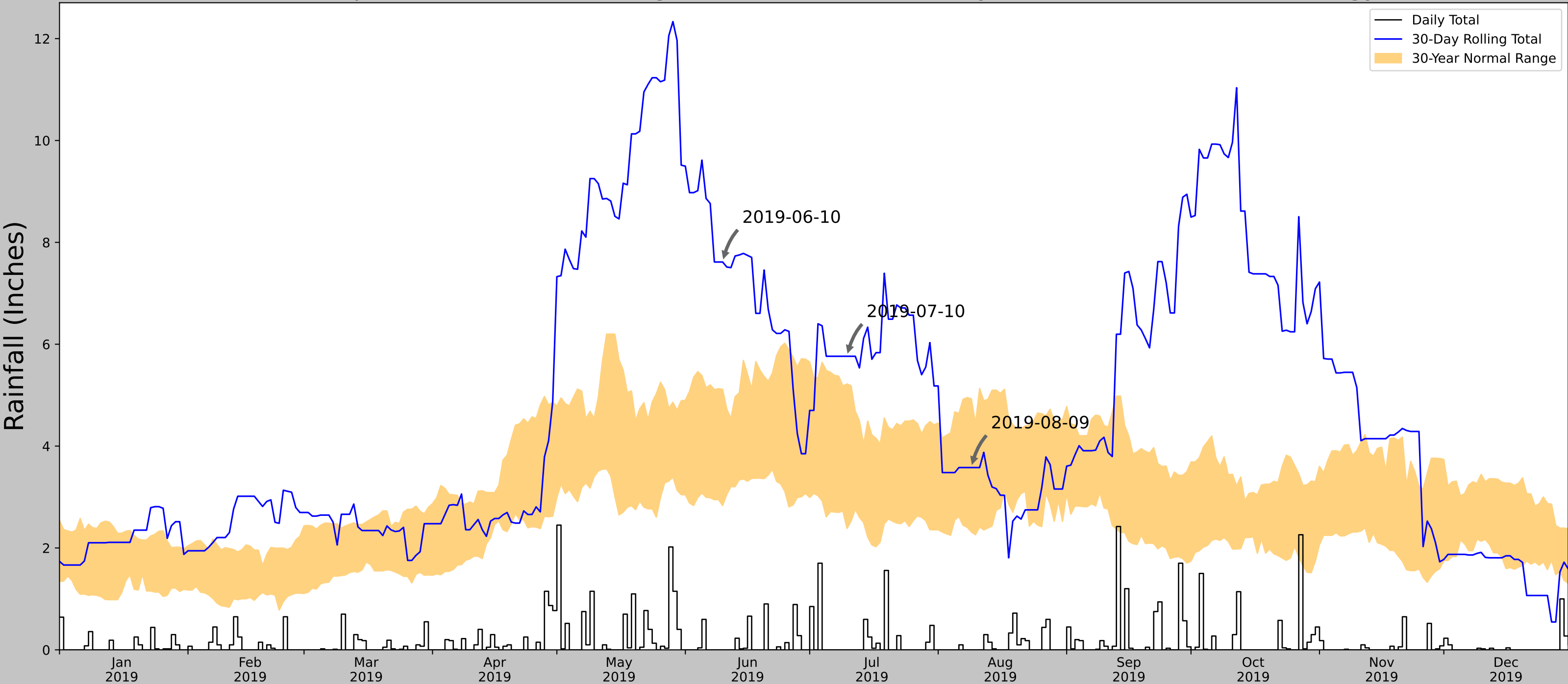
ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.508	82.494	2.401	11263	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	77	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.775719, -88.405529
Observation Date	2019-08-09
Elevation (ft)	672.117
Drought Index (PDSI)	Severe wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2019-08-09	2.314567	4.929528	3.57874	Normal	2	3	6
2019-07-10	2.383071	5.220473	5.76378	Wet	3	2	6
2019-06-10	2.833071	5.115354	7.614173	Wet	3	1	3
Result							Wetter than Normal - 15



**US Army Corps
of Engineers.**



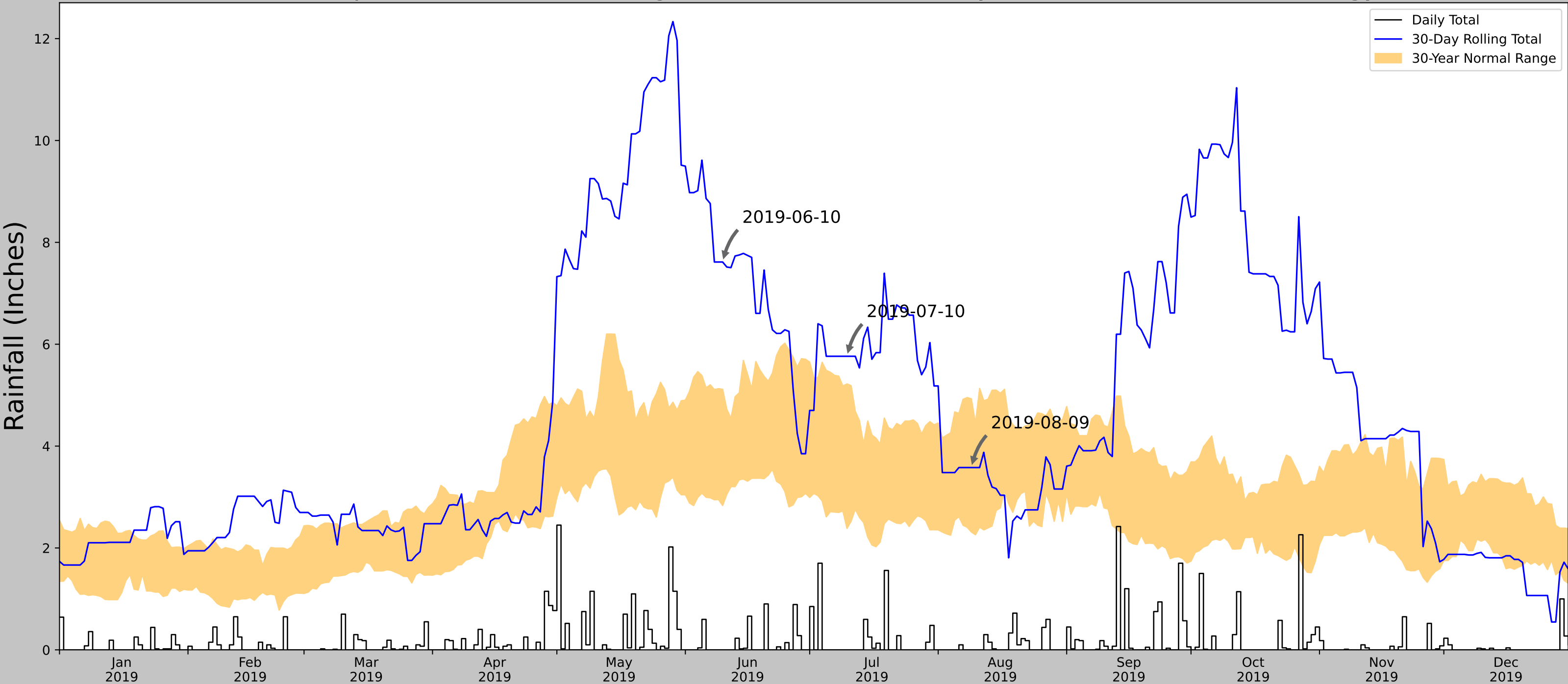
ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.973	2.752	2.252	11263	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	77	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.815347, -88.477197
Observation Date	2019-08-09
Elevation (ft)	713.179
Drought Index (PDSI)	Severe wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2019-08-09	2.314567	4.929528	3.57874	Normal	2	3	6
2019-07-10	2.383071	5.220473	5.76378	Wet	3	2	6
2019-06-10	2.833071	5.115354	7.614173	Wet	3	1	3
Result							Wetter than Normal - 15



**US Army Corps
of Engineers.**



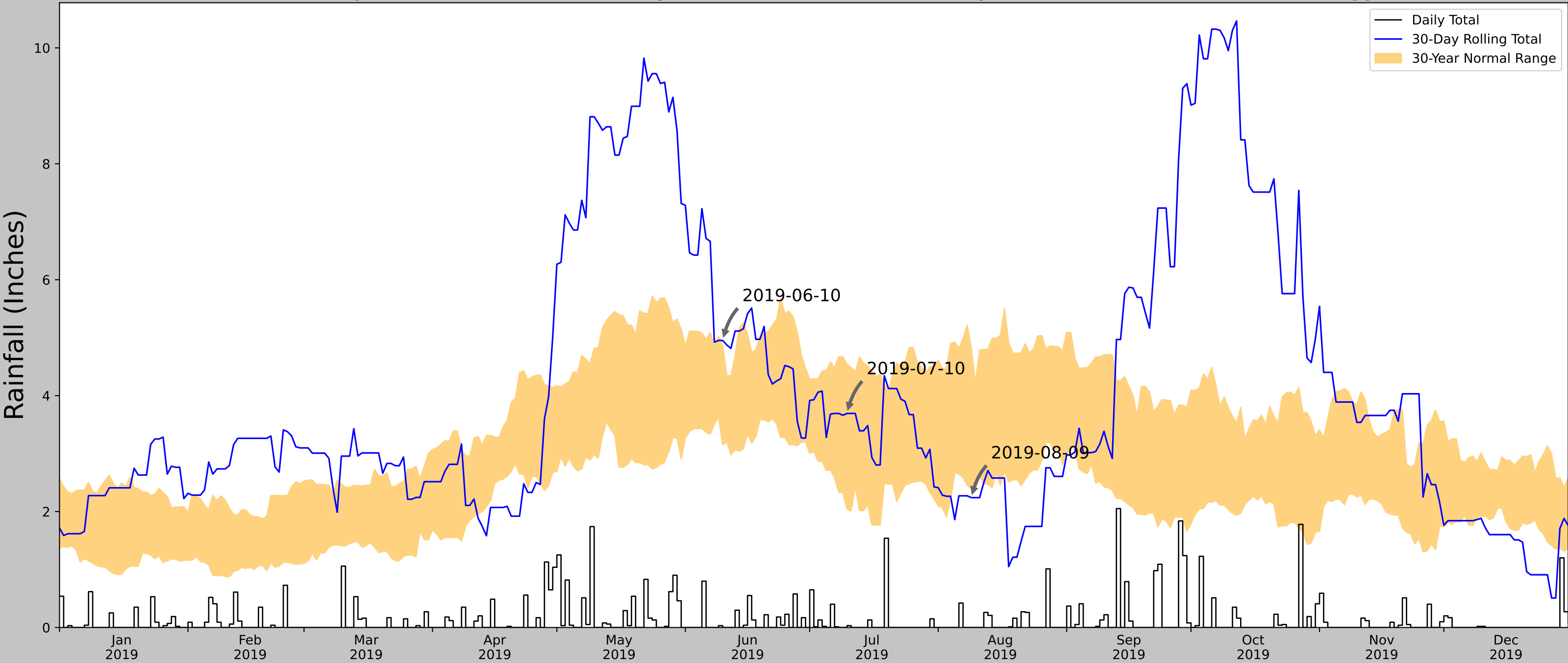
ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	8.986	38.31	4.388	11263	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	77	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.913614, -88.438833
Observation Date	2019-08-09
Elevation (ft)	927.313
Drought Index (PDSI)	Severe wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2019-08-09	2.394488	4.814961	2.240158	Dry	1	3	3
2019-07-10	2.044882	4.539764	3.692914	Normal	2	2	4
2019-06-10	3.150788	4.861811	4.952756	Wet	3	1	3
Result							Normal Conditions - 10



US Army Corps of Engineers



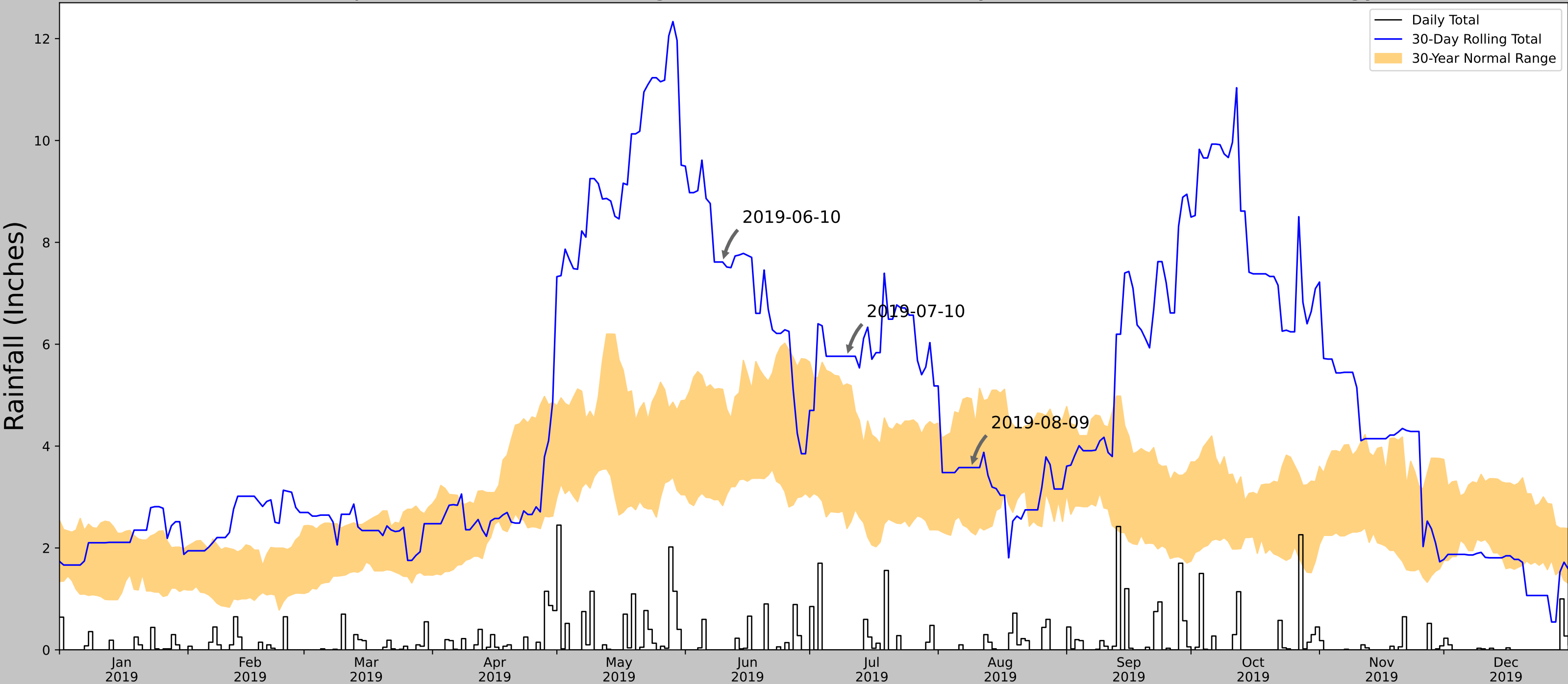
ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ELBURN	41.8742, -88.4728	870.079	3.235	57.234	1.641	6762	90
ELBURN 0.3 NW	41.8939, -88.4761	854.987	1.372	15.092	0.638	50	0
ELBURN 2.7 NNE	41.9279, -88.4562	937.992	3.807	67.913	1.972	2	0
LILY LAKE 2.1 E	41.945, -88.4382	862.861	5.205	7.218	2.38	4	0
ST CHARLES 7 NW	41.9603, -88.4228	870.079	6.481	0.0	2.916	120	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	7.117	168.963	4.405	349	0
HAMPSHIRE 8 SE	42.0581, -88.4586	939.961	12.727	69.882	6.617	852	0
AURORA WATER	41.7803, -88.3092	674.869	10.632	195.21	6.86	3137	0
DE KALB	41.9342, -88.7756	877.953	16.113	7.874	7.378	77	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.839834, -88.361293
Observation Date	2019-08-09
Elevation (ft)	734.82
Drought Index (PDSI)	Severe wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2019-08-09	2.314567	4.929528	3.57874	Normal	2	3	6
2019-07-10	2.383071	5.220473	5.76378	Wet	3	2	6
2019-06-10	2.833071	5.115354	7.614173	Wet	3	1	3
Result							Wetter than Normal - 15



US Army Corps
of Engineers.



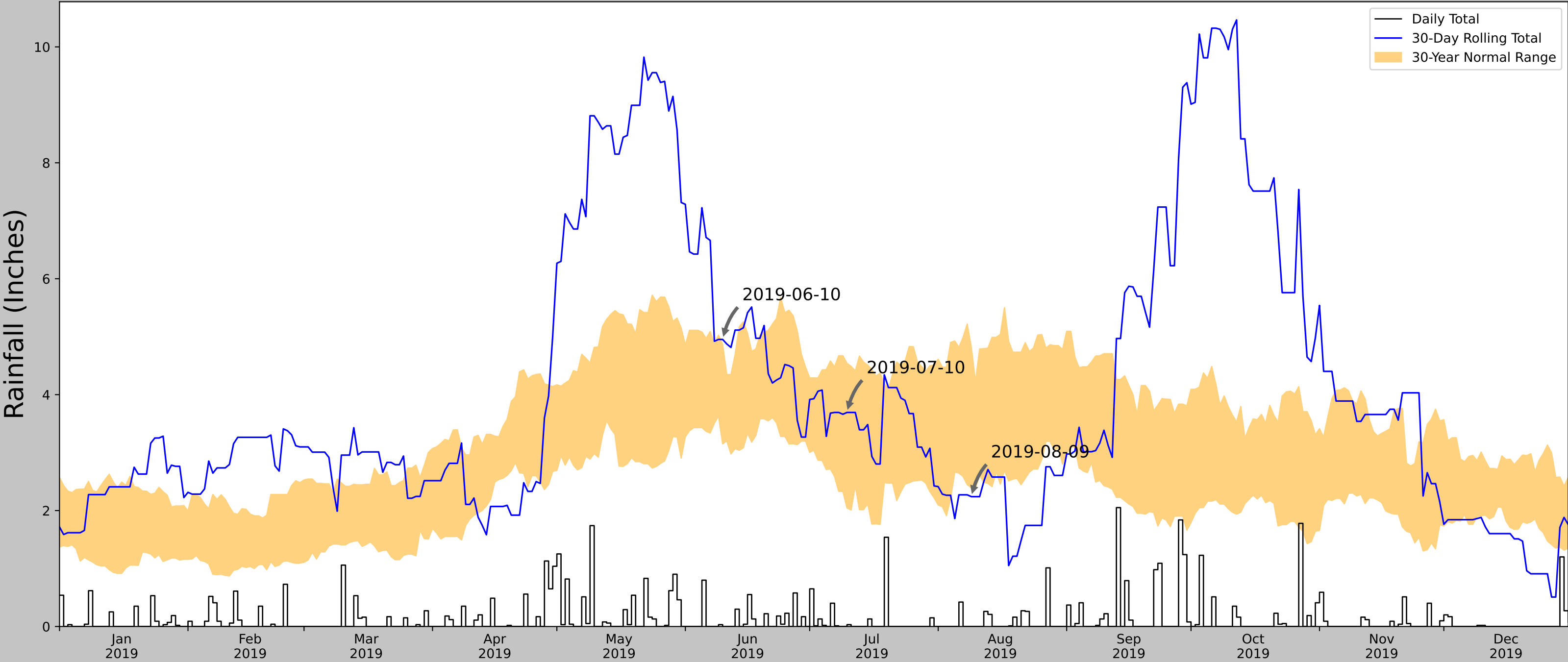
ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.911	59.951	2.504	11263	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	77	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.859722, -88.435971
Observation Date	2019-08-09
Elevation (ft)	778.109
Drought Index (PDSI)	Severe wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2019-08-09	2.394488	4.814961	2.240158	Dry	1	3	3
2019-07-10	2.044882	4.539764	3.692914	Normal	2	2	4
2019-06-10	3.150788	4.861811	4.952756	Wet	3	1	3
Result							Normal Conditions - 10



US Army Corps of Engineers



ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ELBURN	41.8742, -88.4728	870.079	2.143	91.97	1.161	6762	90
ELBURN 0.3 NW	41.8939, -88.4761	854.987	1.372	15.092	0.638	50	0
ELBURN 2.7 NNE	41.9279, -88.4562	937.992	3.807	67.913	1.972	2	0
LILY LAKE 2.1 E	41.945, -88.4382	862.861	5.205	7.218	2.38	4	0
ST CHARLES 7 NW	41.9603, -88.4228	870.079	6.481	0.0	2.916	120	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	7.117	168.963	4.405	349	0
HAMPSHIRE 8 SE	42.0581, -88.4586	939.961	12.727	69.882	6.617	852	0
AURORA WATER	41.7803, -88.3092	674.869	10.632	195.21	6.86	3137	0
DE KALB	41.9342, -88.7756	877.953	16.113	7.874	7.378	77	0

Antecedent Precipitation Tool v3.0 - Watershed Sampling Summary

Generated on 2026-06-18

User Inputs

Coordinates	41.80789, -88.38851
Date	2021-09-05
Geographic Scope	HUC12
Used Gridded Precipitaton	False

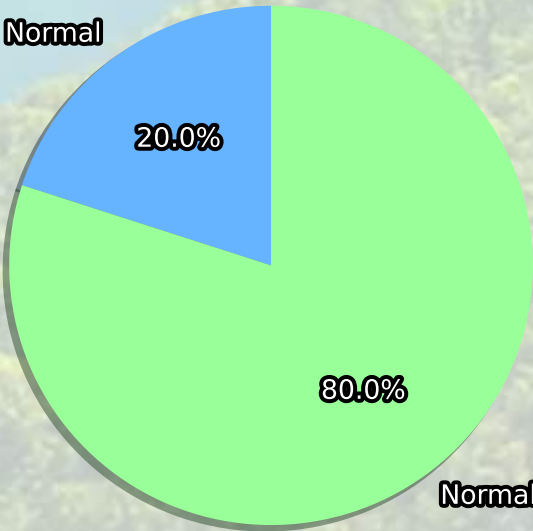
Intermediate Data

Hydrologic Unit Code	071200070201
Watershed Size	44.27 mi ²
# Random Sampling Points	5

Preliminary Result

Average Antecedent Precipitation Score	12.6
Preliminary Determination	Normal Conditions

Wetter than Normal

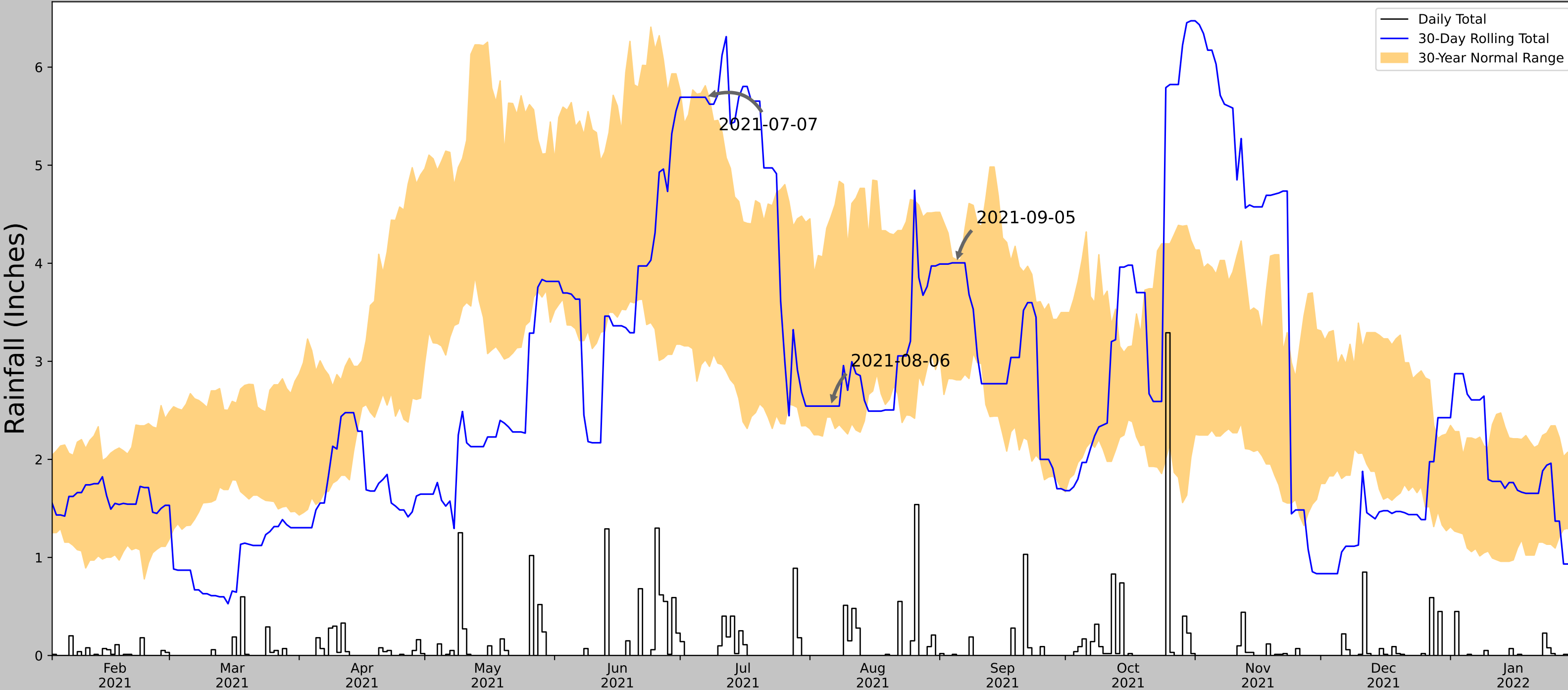


Normal Conditions

Sampling Point Breakdown

Antecedent Precipitation Score	Antecedent Precipitation Condition	WebWIMP H ₂ O Balance	Drought Index (PDSI)	# of Points
15	Wetter than Normal	Wet Season	Moderate drought	1
12	Normal Conditions	Wet Season	Moderate drought	4

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.80789, -88.38851
Observation Date	2021-09-05
Elevation (ft)	916.103
Drought Index (PDSI)	Moderate drought
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-09-05	2.81063	4.036614	4.003937	Normal	2	3	6
2021-08-06	2.431102	4.470866	2.543307	Normal	2	2	4
2021-07-07	3.016536	5.811024	5.692914	Normal	2	1	2
Result							Normal Conditions - 12



US Army Corps
of Engineers.

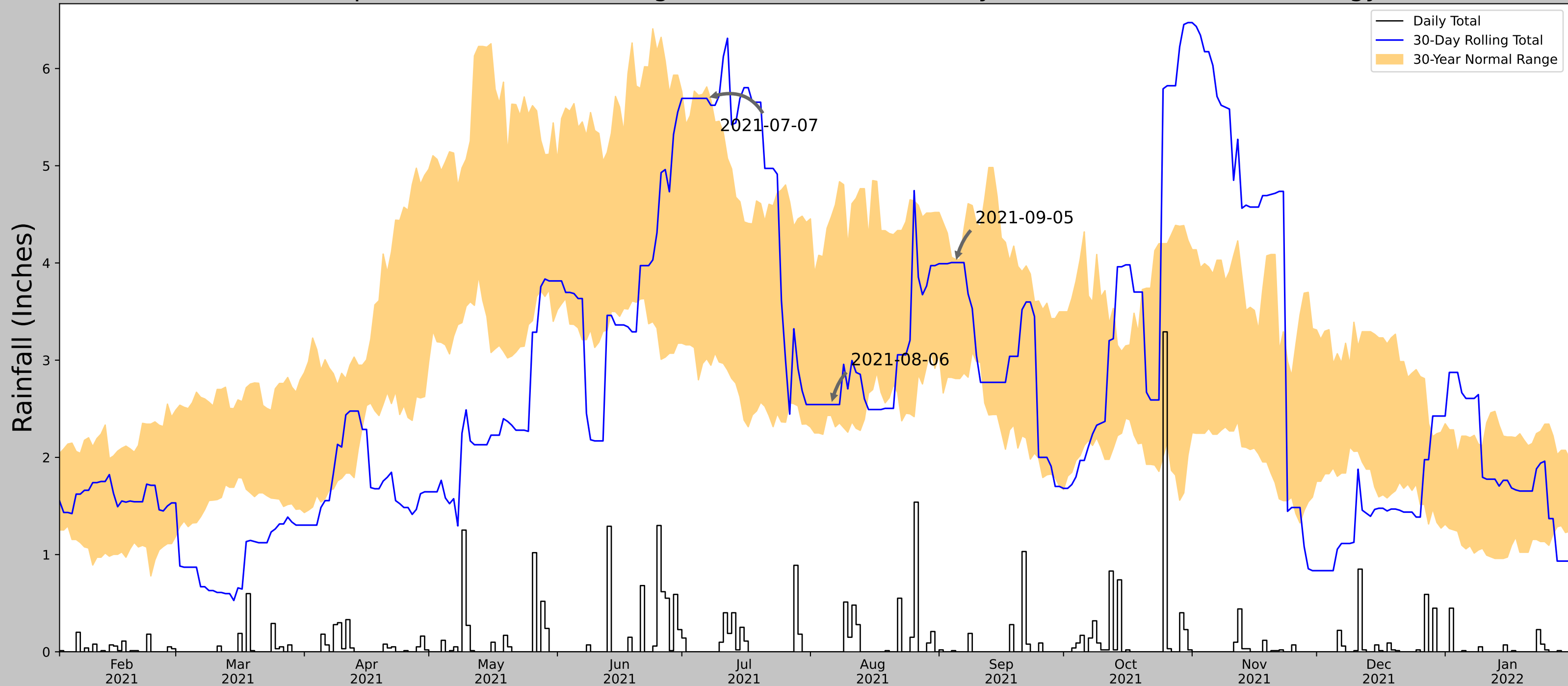


Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.508	241.234	3.116	11263	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	77	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.798154, -88.391473
Observation Date	2021-09-05
Elevation (ft)	682.365
Drought Index (PDSI)	Moderate drought
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-09-05	2.81063	4.036614	4.003937	Normal	2	3	6
2021-08-06	2.431102	4.470866	2.543307	Normal	2	2	4
2021-07-07	3.016536	5.811024	5.692914	Normal	2	1	2
Result							Normal Conditions - 12

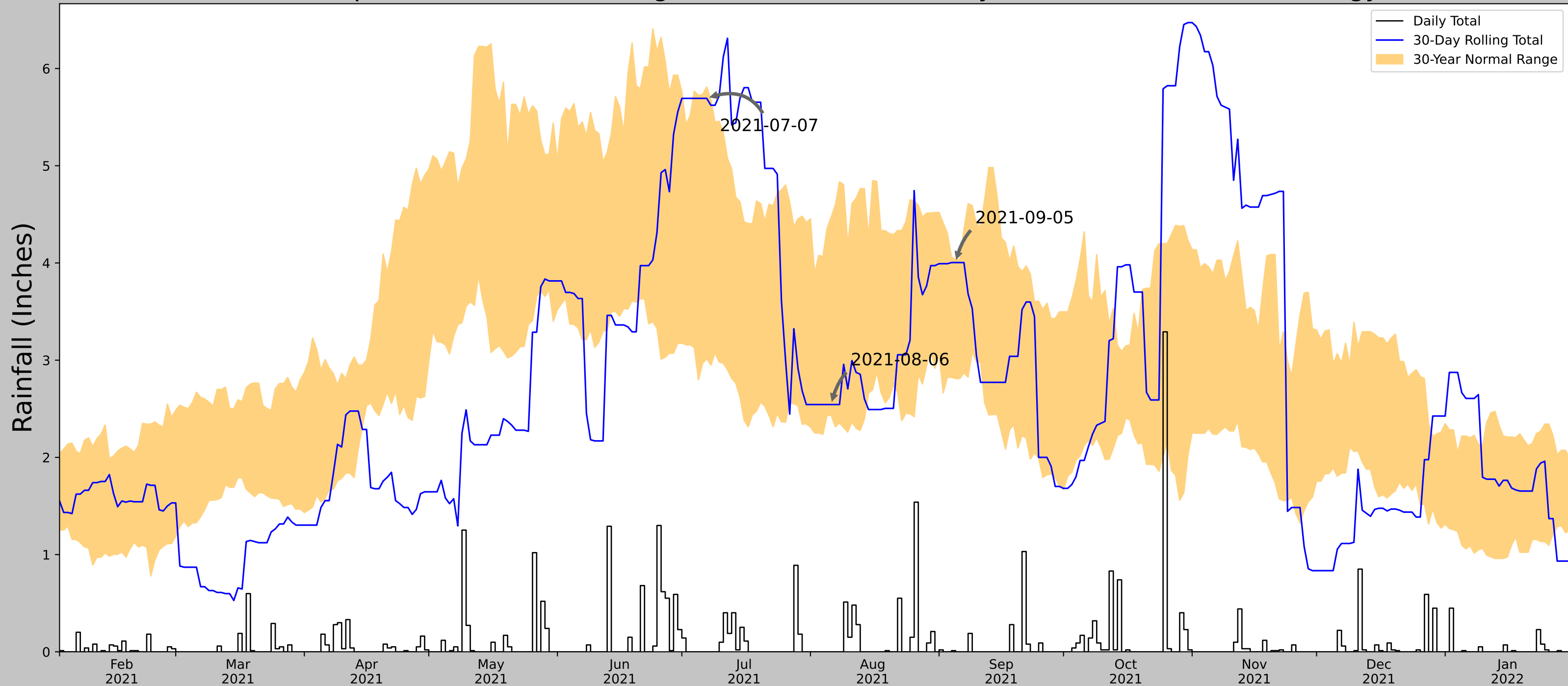
Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0



Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.414	7.496	2.02	11263	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	77	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.843328, -88.433056
Observation Date	2021-09-05
Elevation (ft)	765.704
Drought Index (PDSI)	Moderate drought
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-09-05	2.81063	4.036614	4.003937	Normal	2	3	6
2021-08-06	2.431102	4.470866	2.543307	Normal	2	2	4
2021-07-07	3.016536	5.811024	5.692914	Normal	2	1	2
Result							Normal Conditions - 12

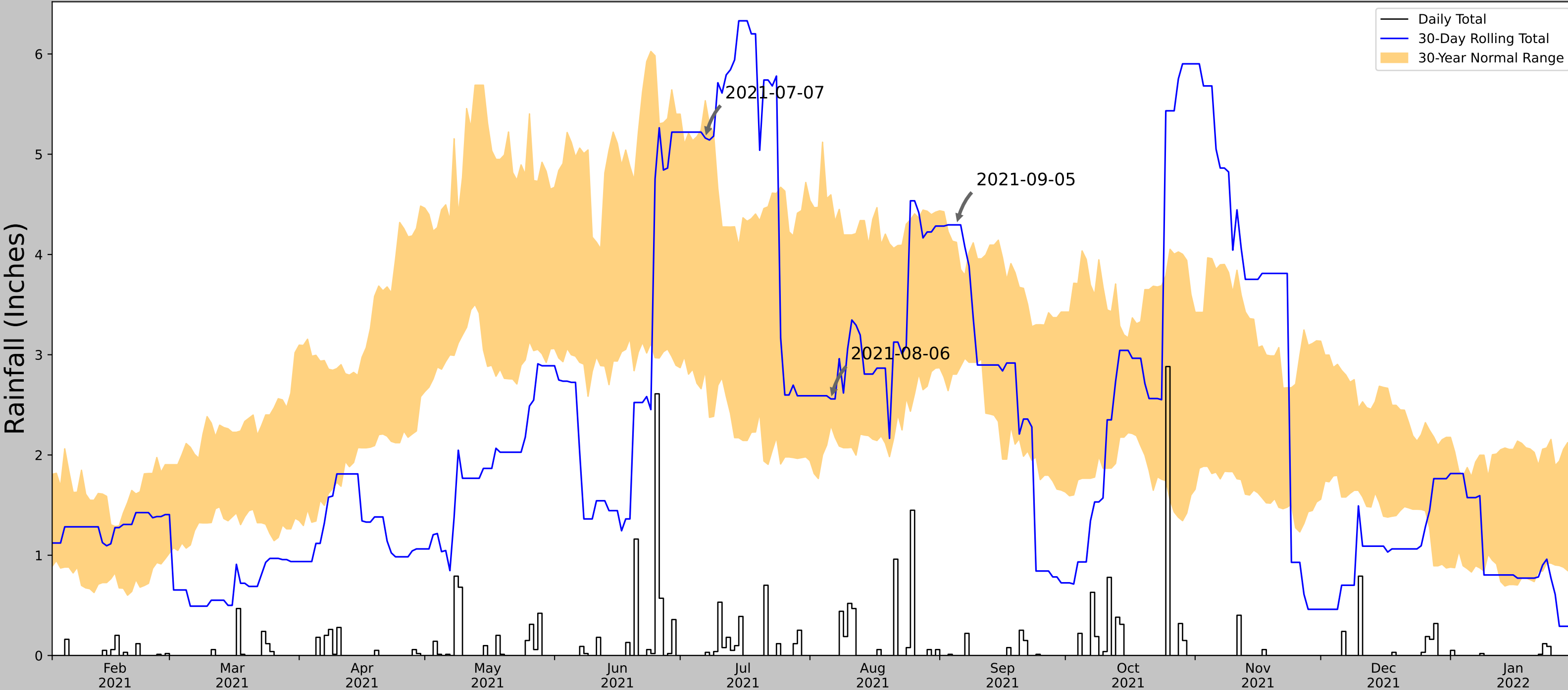
Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0



Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	7.723	90.835	4.177	11263	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	77	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.788226, -88.469411
Observation Date	2021-09-05
Elevation (ft)	731.444
Drought Index (PDSI)	Moderate drought
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-09-05	2.805906	4.12126	4.295276	Wet	3	3	9
2021-08-06	2.295669	4.595276	2.559055	Normal	2	2	4
2021-07-07	2.842913	5.533858	5.161417	Normal	2	1	2
Result							Wetter than Normal - 15



**US Army Corps
of Engineers.**



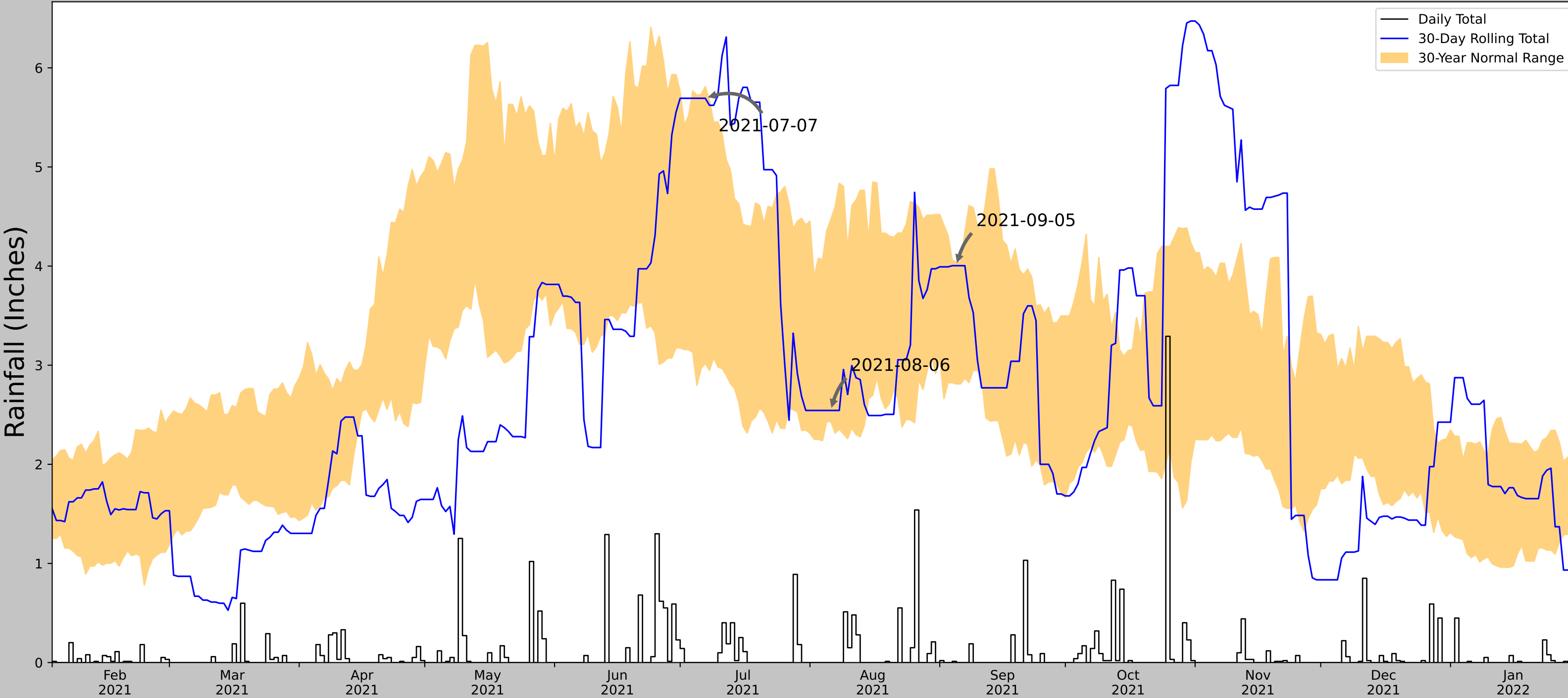
ERDC
ENGINEERING RESEARCH
AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	1.316	30.328	0.632	7980	90
SUGAR GROVE 0.7 NE	41.7762, -88.4478	714.895	1.763	13.779	0.818	21	0
SUGAR GROVE 1.4 ENE	41.7787, -88.4343	688.976	2.479	12.14	1.146	2	0
AURORA WATER	41.7803, -88.3092	674.869	8.894	26.247	4.236	3273	0
WHEATON 3 SE	41.8128, -88.0728	680.118	21.242	20.998	10.005	77	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.916664, -88.432827
Observation Date	2021-09-05
Elevation (ft)	959.981
Drought Index (PDSI)	Moderate drought
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-09-05	2.81063	4.036614	4.003937	Normal	2	3	6
2021-08-06	2.431102	4.470866	2.543307	Normal	2	2	4
2021-07-07	3.016536	5.811024	5.692914	Normal	2	1	2
Result							Normal Conditions - 12



US Army Corps
of Engineers.



Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	11.369	285.112	8.358	11263	90
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	82	0

Antecedent Precipitation Tool v3.0 - Watershed Sampling Summary

Generated on 2026-06-18

User Inputs

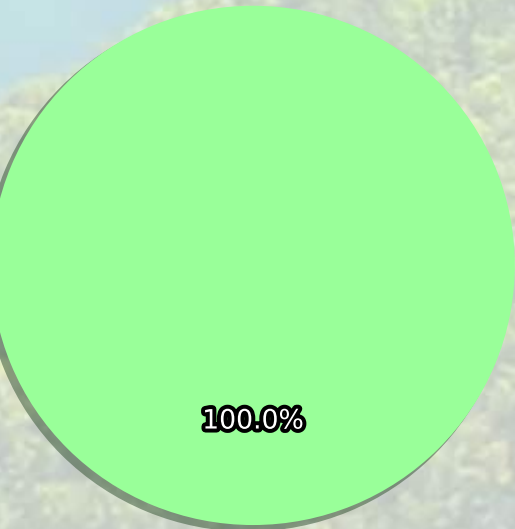
Coordinates	41.80789, -88.38851
Date	2023-08-16
Geographic Scope	HUC12
Used Gridded Precipitaton	False

Intermediate Data

Hydrologic Unit Code	071200070201
Watershed Size	44.27 mi ²
# Random Sampling Points	6

Preliminary Result

Average Antecedent Precipitation Score	13.0
Preliminary Determination	Normal Conditions

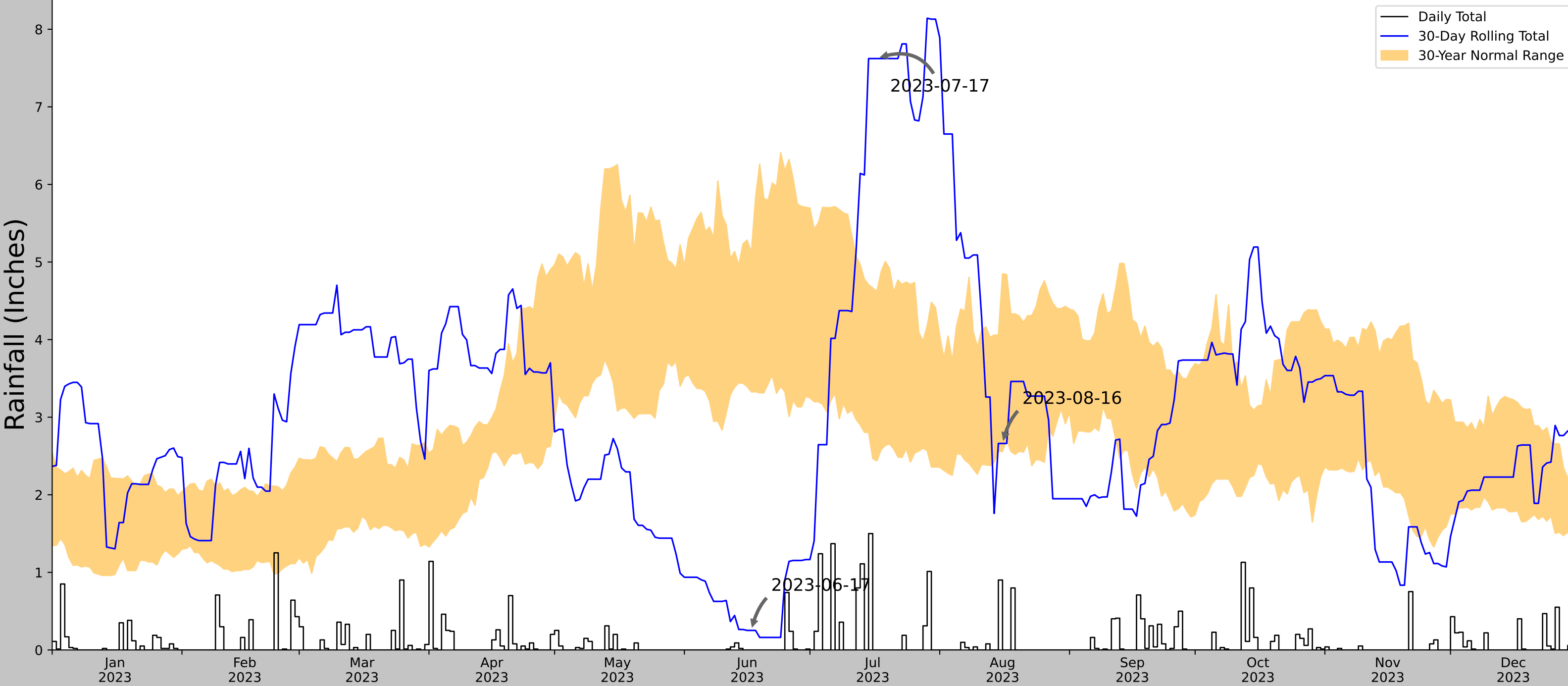


Normal Conditions

Sampling Point Breakdown

Antecedent Precipitation Score	Antecedent Precipitation Condition	WebWIMP H ₂ O Balance	Drought Index (PDSI)	# of Points
13	Normal Conditions	Dry Season	Incipient wetness	6

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.80789, -88.38851
Observation Date	2023-08-16
Elevation (ft)	696.534
Drought Index (PDSI)	Incipient wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-08-16	2.558268	4.847638	2.661417	Normal	2	3	6
2023-07-17	2.436614	4.623228	7.622047	Wet	3	2	6
2023-06-17	3.325591	5.124016	0.251969	Dry	1	1	1
Result							Normal Conditions - 13



**US Army Corps
of Engineers.**



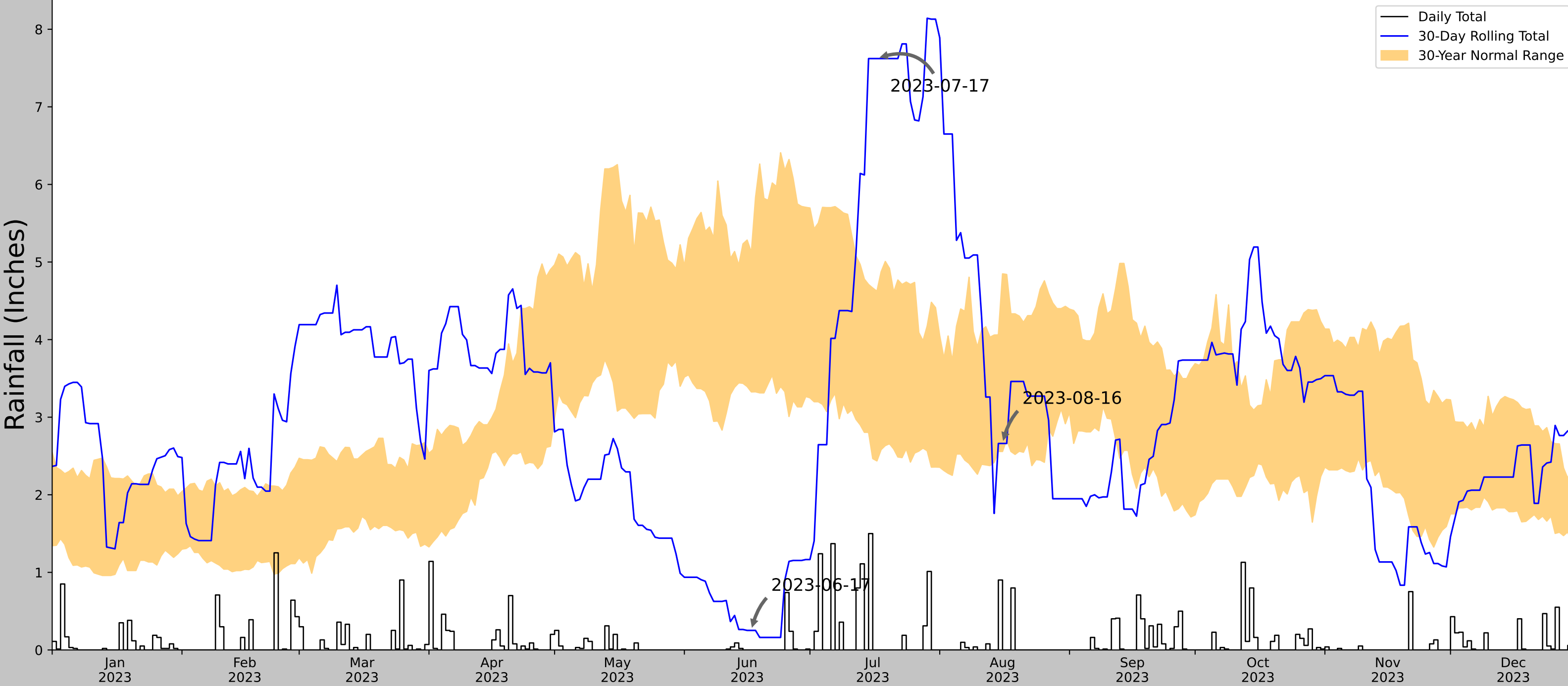
ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.508	21.665	2.126	11289	90
AURORA 2.8 WSW	41.7588, -88.3461	687.008	2.413	12.139	1.115	4	0
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	47	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.787337, -88.389123
Observation Date	2023-08-16
Elevation (ft)	696.534
Drought Index (PDSI)	Incipient wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-08-16	2.558268	4.847638	2.661417	Normal	2	3	6
2023-07-17	2.436614	4.623228	7.622047	Wet	3	2	6
2023-06-17	3.325591	5.124016	0.251969	Dry	1	1	1
Result							Normal Conditions - 13



US Army Corps
of Engineers.



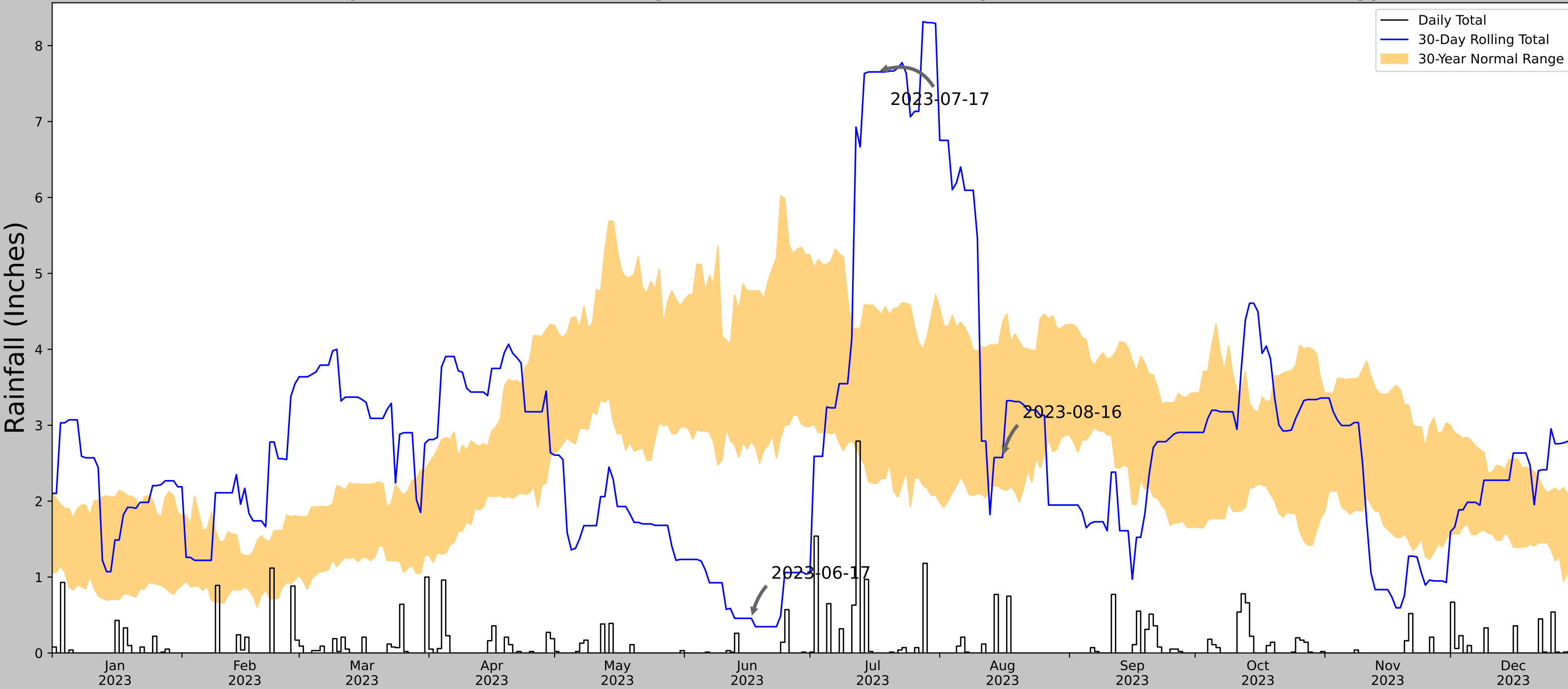
ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	4.146	21.665	1.956	11289	90
AURORA 2.8 WSW	41.7588, -88.3461	687.008	2.413	12.139	1.115	4	0
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	47	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.867781, -88.477381
Observation Date	2023-08-16
Elevation (ft)	812.583
Drought Index (PDSI)	Incipient wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-08-16	2.15748	4.351575	2.574803	Normal	2	3	6
2023-07-17	2.235039	4.527165	7.653544	Wet	3	2	6
2023-06-17	2.787795	4.770473	0.456693	Dry	1	1	1
Result							Normal Conditions - 13



**US Army Corps
of Engineers.**



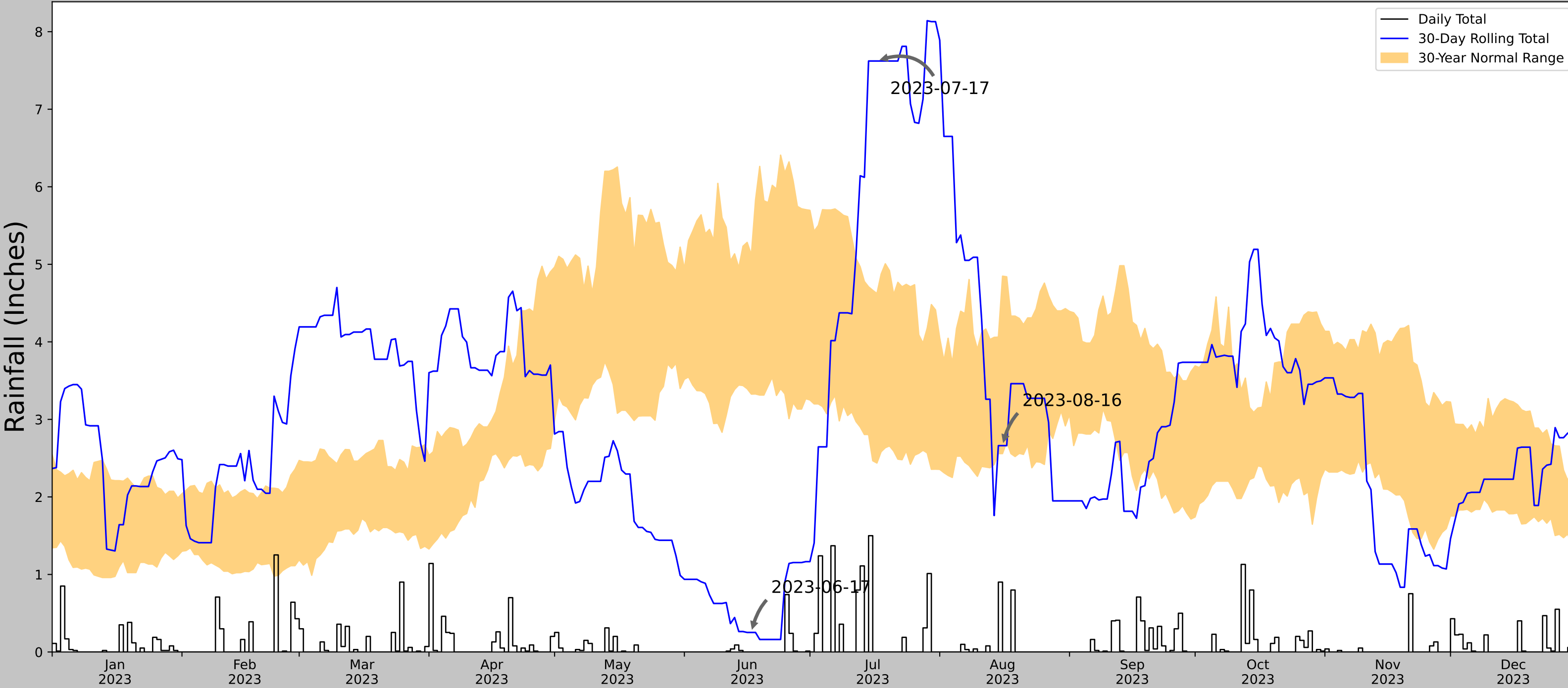
ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	6.663	111.467	3.741	8701	90
SUGAR GROVE 0.7 NE	41.7762, -88.4478	714.895	1.763	13.779	0.818	29	0
SUGAR GROVE 1.4 ENE	41.7787, -88.4343	688.976	2.479	12.14	1.146	2	0
AURORA 3.1 WSW	41.7565, -88.3518	704.068	6.758	2.952	3.061	1	0
AURORA WATER	41.7803, -88.3092	674.869	8.894	26.247	4.236	2573	0
WHEATON 3 SE	41.8128, -88.0728	680.118	21.242	20.998	10.005	47	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.842375, -88.375899
Observation Date	2023-08-16
Elevation (ft)	715.707
Drought Index (PDSI)	Incipient wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-08-16	2.558268	4.847638	2.661417	Normal	2	3	6
2023-07-17	2.436614	4.623228	7.622047	Wet	3	2	6
2023-06-17	3.325591	5.124016	0.251969	Dry	1	1	1
Result							Normal Conditions - 13



US Army Corps
of Engineers.



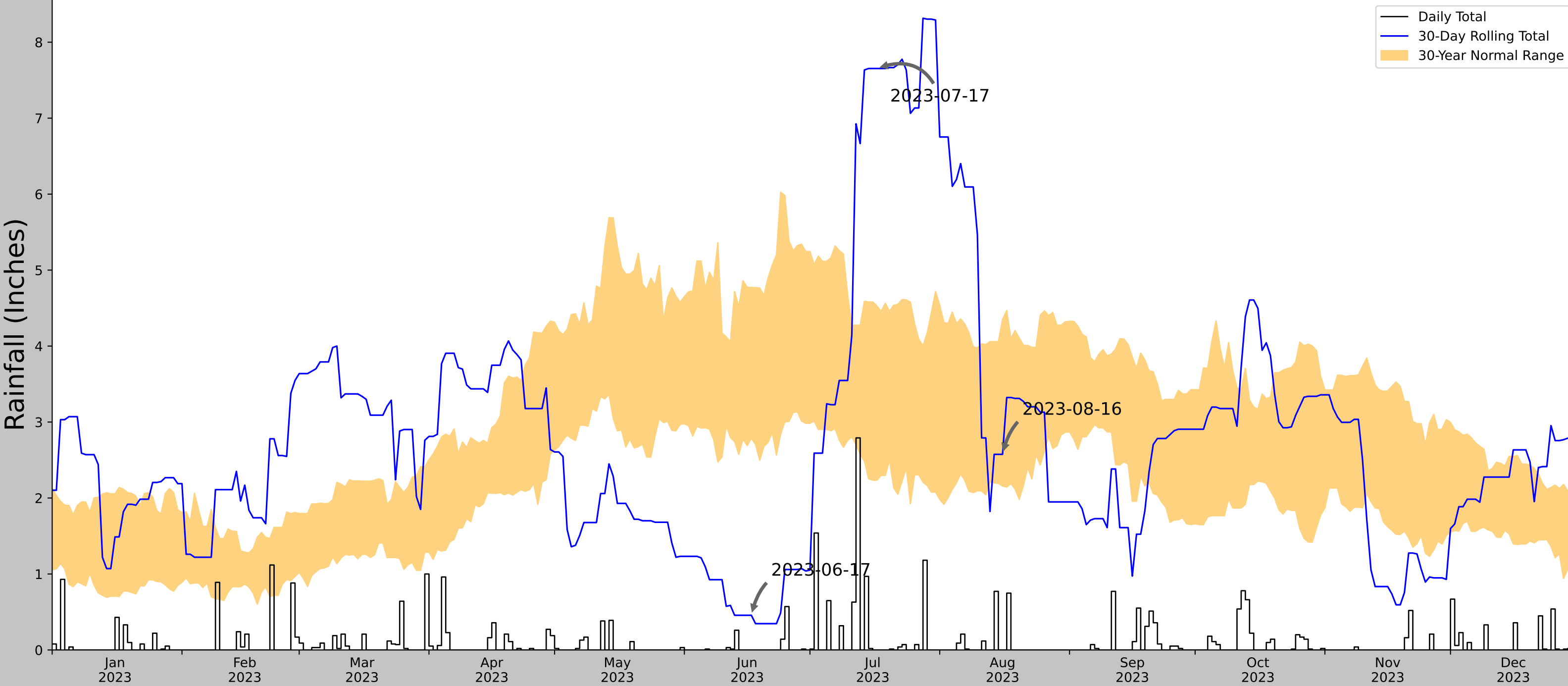
ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
AURORA WATER	41.7803, -88.3092	674.869	5.495	40.838	2.697	11289	90
AURORA 2.8 WSW	41.7588, -88.3461	687.008	2.413	12.139	1.115	4	0
AURORA 3.4 W	41.7723, -88.3577	689.961	2.559	15.092	1.19	6	0
NORTH AURORA 1.5 NE	41.8163, -88.3068	719.16	2.49	44.291	1.231	2	0
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	8.894	26.247	4.236	5	0
WHEATON 3 SE	41.8128, -88.0728	680.118	12.382	5.249	5.637	47	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.80264, -88.466322
Observation Date	2023-08-16
Elevation (ft)	703.538
Drought Index (PDSI)	Incipient wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-08-16	2.15748	4.351575	2.574803	Normal	2	3	6
2023-07-17	2.235039	4.527165	7.653544	Wet	3	2	6
2023-06-17	2.787795	4.770473	0.456693	Dry	1	1	1
Result							Normal Conditions - 13



US Army Corps
of Engineers.

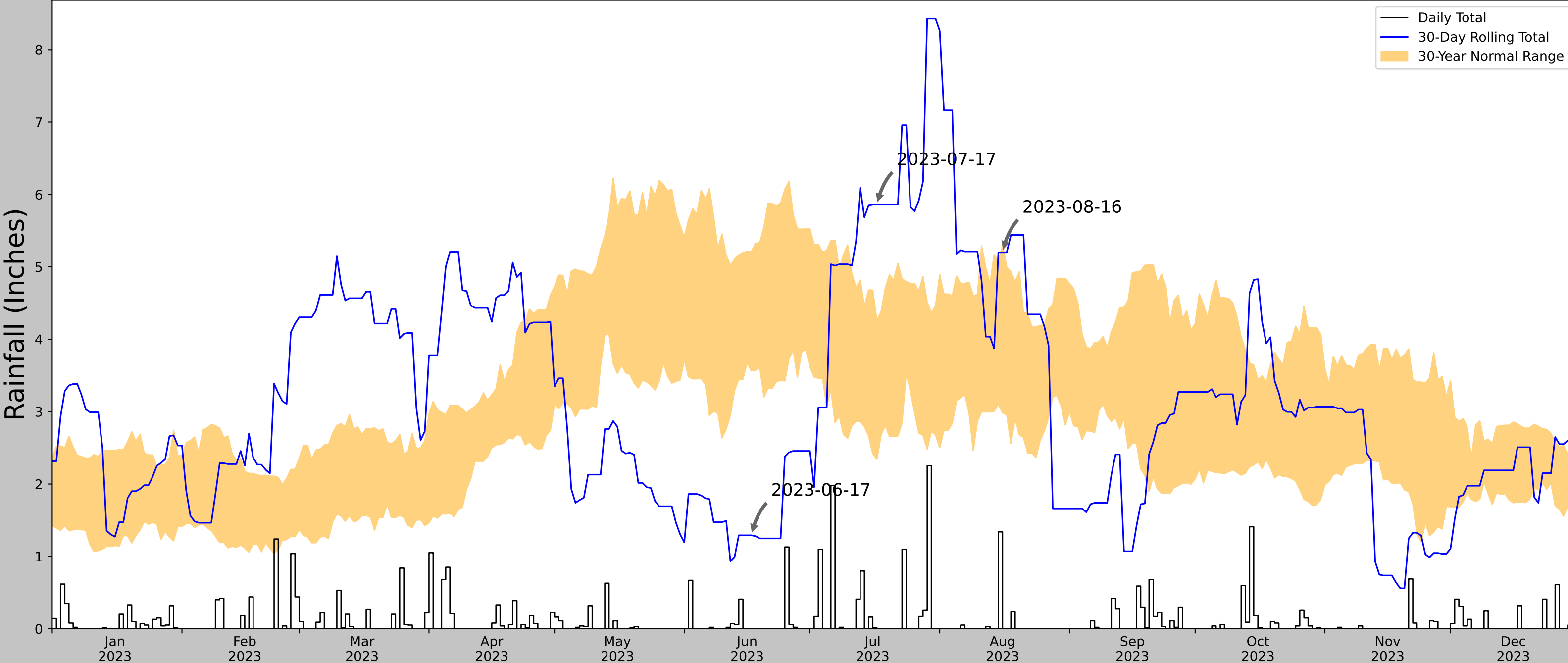


Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CHICAGO AURORA MUNI AP	41.7714, -88.4814	701.116	2.294	2.422	1.038	8701	90
SUGAR GROVE 0.7 NE	41.7762, -88.4478	714.895	1.763	13.779	0.818	29	0
SUGAR GROVE 1.4 ENE	41.7787, -88.4343	688.976	2.479	12.14	1.146	2	0
AURORA 3.1 WSW	41.7565, -88.3518	704.068	6.758	2.952	3.061	1	0
AURORA WATER	41.7803, -88.3092	674.869	8.894	26.247	4.236	2573	0
WHEATON 3 SE	41.8128, -88.0728	680.118	21.242	20.998	10.005	47	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	41.916379, -88.435362
Observation Date	2023-08-16
Elevation (ft)	916.103
Drought Index (PDSI)	Incipient wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-08-16	2.983071	5.3	5.200788	Normal	2	3	6
2023-07-17	2.341339	4.258662	5.858268	Wet	3	2	6
2023-06-17	3.562599	5.209055	1.291339	Dry	1	1	1
Result							Normal Conditions - 13

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ELGIN WATER	42.0628, -88.2861	745.079	12.693	171.024	7.882	11207	90
ELGIN 1.9 NE	42.0606, -88.264	807.087	1.144	62.008	0.586	5	0
ELGIN 0.9 WSW	42.0366, -88.3056	830.053	2.068	84.974	1.106	14	0
ELGIN 2.3 WNW	42.0531, -88.3294	824.147	2.32	79.068	1.227	13	0
ELGIN 1.0 S	42.0256, -88.2885	777.887	2.573	32.808	1.242	17	0
STREAMWOOD	42.0256, -88.1783	818.898	6.099	73.819	3.195	76	0
BARRINGTON 3SW	42.1153, -88.1639	882.874	7.24	137.795	4.256	2	0
ELK GROVE VILLAGE	42.0033, -88.0069	700.131	14.907	44.948	7.378	4	0
MCHENRY STRATTON LOCK/DAM	42.3097, -88.2533	735.892	17.142	9.187	7.871	14	0
CRYSTAL LAKE 4NW	42.2611, -88.3953	931.102	14.799	186.023	9.413	1	0



US Army Corps
of Engineers.



ERDC

Figures and tables made by the
Antecedent Precipitation Tool
Version 3.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center