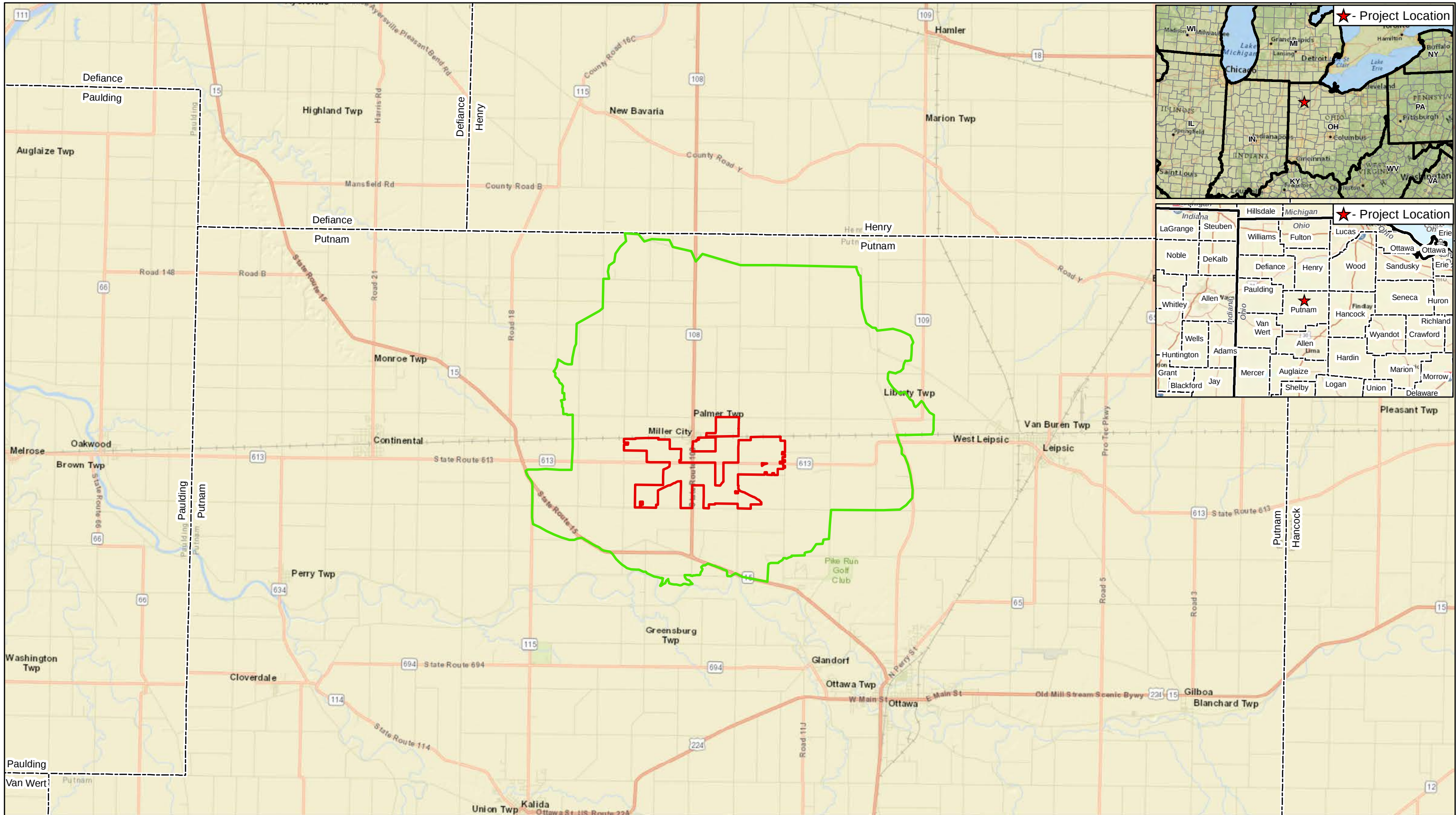
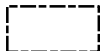


# Exhibits



Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

**Legend**

-  Project Boundary
-  FLO-2D Boundary
-  County Boundary

**Westwood**  
Toll Free (888) 937-5150 westwoodps.com

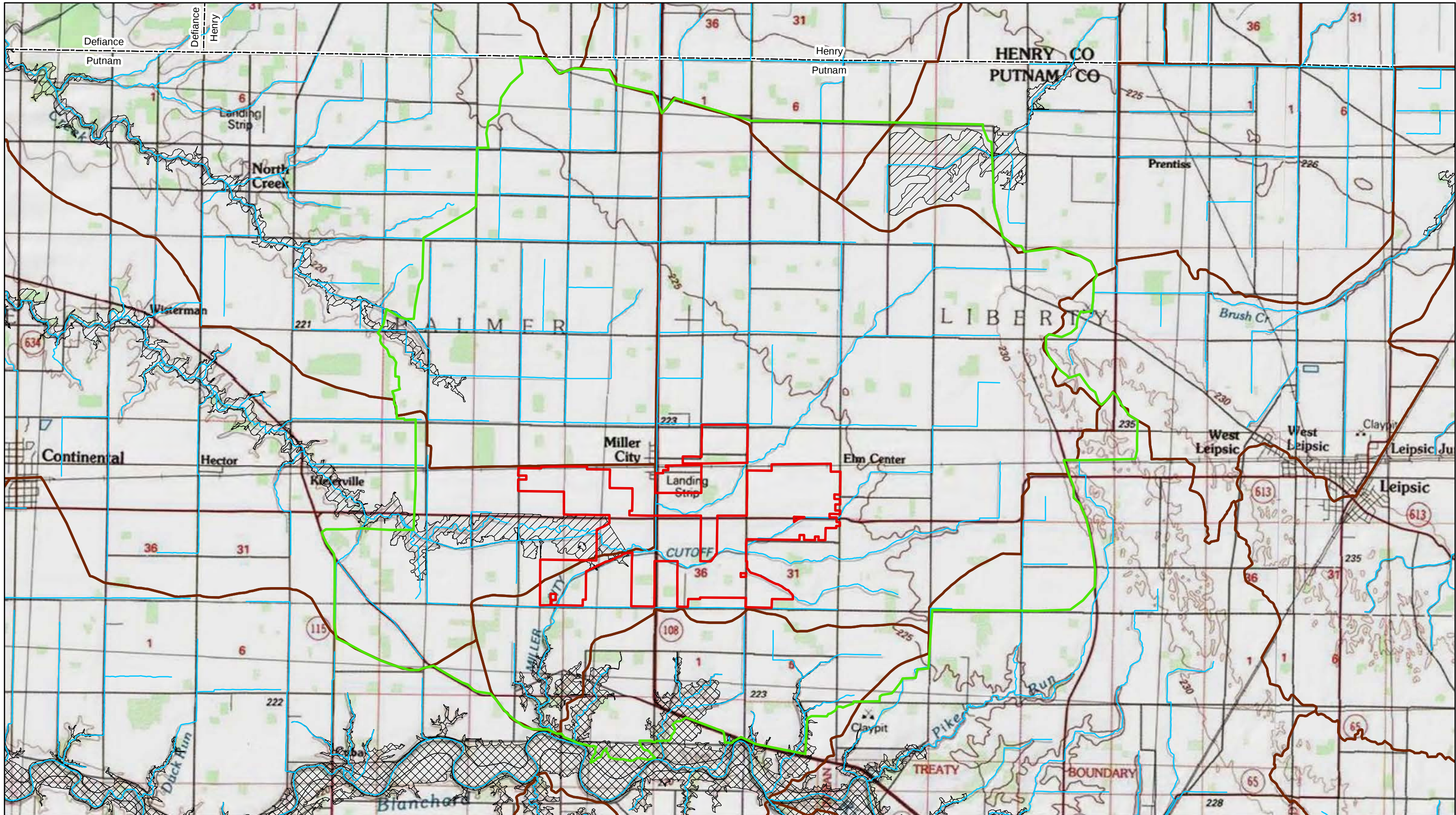


**Powell Creek Solar Project**

Putnam County, Ohio

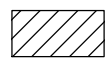
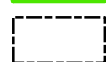
**Exhibit 1: Location Map**

March 24, 2020



Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

## Legend

- |                                                                                     |                  |                                                                                     |                 |                                                                                      |              |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------|--------------|
|  | Project Boundary |  | NHD Flowline    |  | FEMA Zone A  |
|  | FLO-2D Boundary  |  | HUC 12 Boundary |  | FEMA Zone AE |
|  | County Boundary  |                                                                                     |                 |                                                                                      |              |

**Westwood**  
Toll Free (888) 937-5150 westwoodps.com



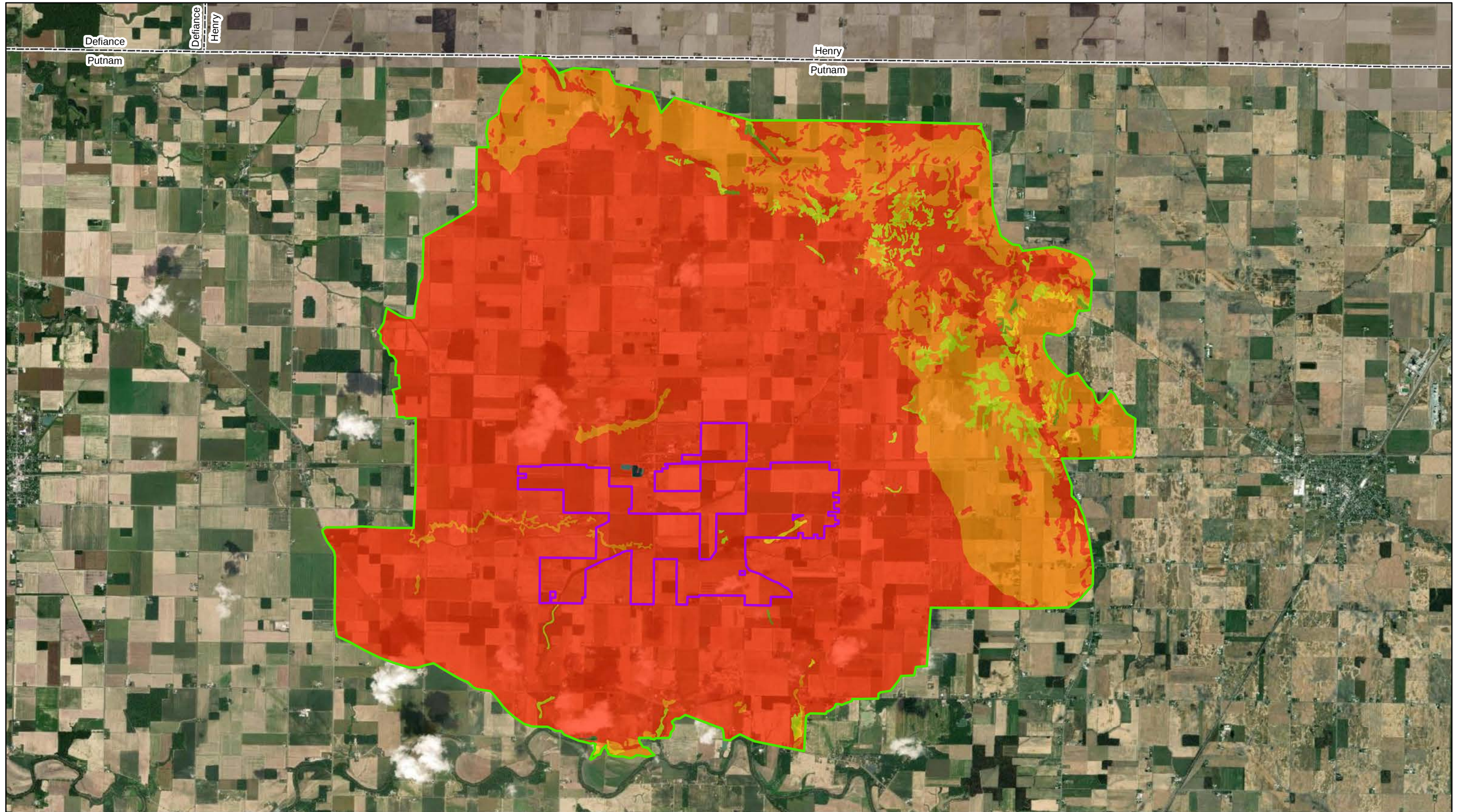
0 1 Miles

## Powell Creek Solar Project

Putnam County, Ohio

Exhibit 2: Base Map

March 23, 2020



Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

## Legend

-  Project Boundary
-  FLO-2D Boundary
-  County Boundary

**Hydrologic Soils Group**

-  A
-  B

-  B/D
-  C
-  C/D
-  D



0 1 Miles

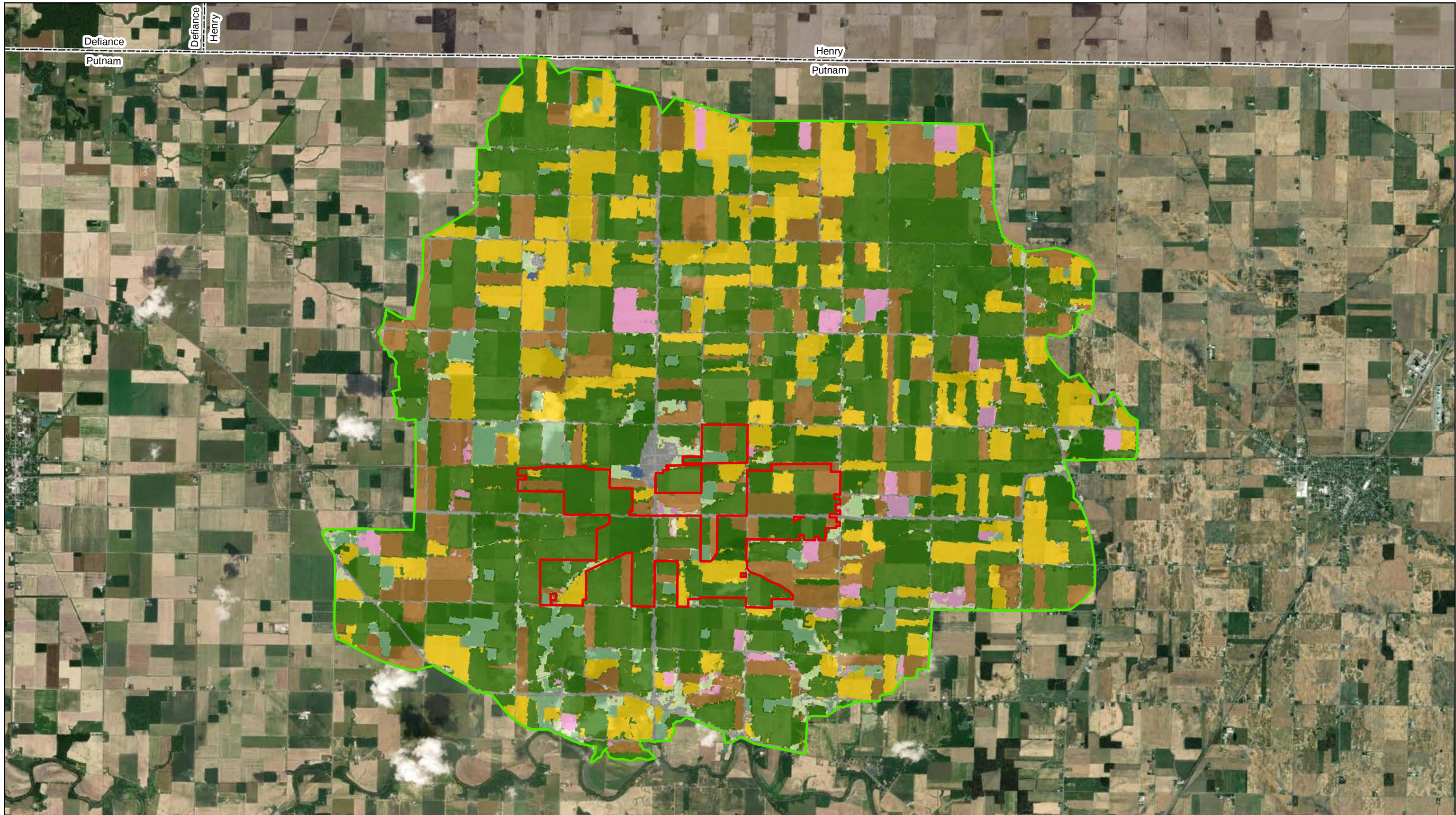
## Powell Creek Solar Project

Putnam County, Ohio

Exhibit 3: Soils Map

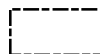
March 25, 2020

**Westwood**  
Toll Free (888) 937-5150 westwoodps.com



Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

**Legend**

|                                                                                     |                  |                  |                                                                                     |         |                                                                                       |            |                                                                                       |                   |                                                                                       |          |
|-------------------------------------------------------------------------------------|------------------|------------------|-------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|----------|
|  | Project Boundary | <b>Landcover</b> |  | Forest  |  | Cultivated |  | Open Water        |                                                                                       |          |
|  | FLO-2D Boundary  |                  |  | Alfalfa |    | Corn       |  | Grassland/Pasture |  | Soybeans |
|  | County Boundary  |                  |  | Barren  |    | Developed  |  | Wetlands          |                                                                                       |          |

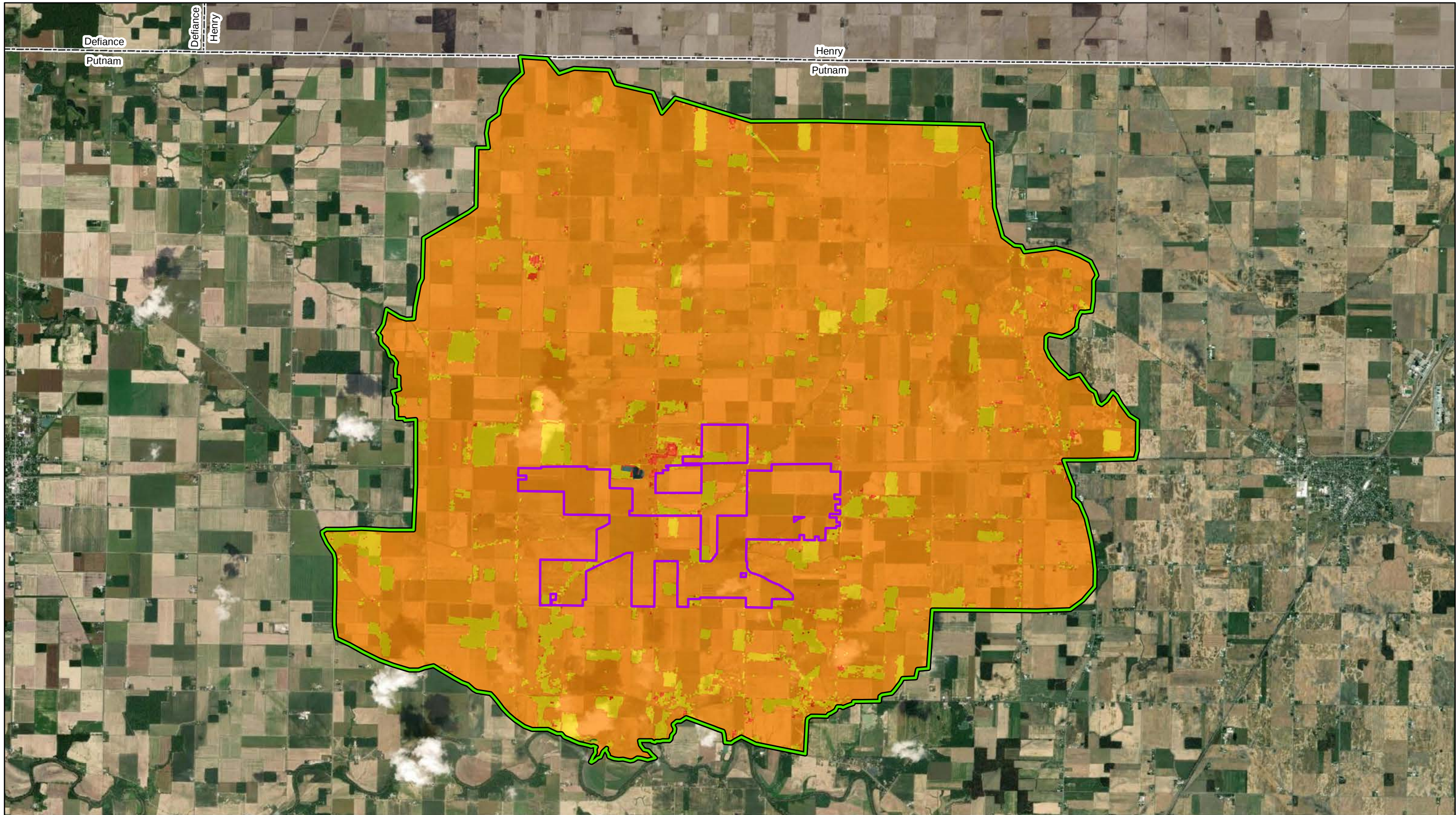
**Powell Creek Solar Project**

Putnam County, Ohio

Exhibit 4: Landcover Map

March 24, 2020

Map Document: N:\0026093.00\GIS\Hydro Exhibits\2020-03-17\_PowellCreekSolar\_Ex4\_LandcoverMap.mxd 3/24/2020 4:45:06 PM



Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

### Legend

- |                                                                                                        |                                                                                             |                                                                                             |
|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|  Project Boundary   | <b>Curve Number</b>                                                                         |  70 - 79 |
|  FLO-2D Boundary    |  40 - 49 |  80 - 89 |
|  2.5-ft DEM Extents |  50 - 59 |  90 - 99 |
|  County Boundary    |  60 - 69 |                                                                                             |

**Westwood**  
Toll Free (888) 937-5150 westwoodps.com



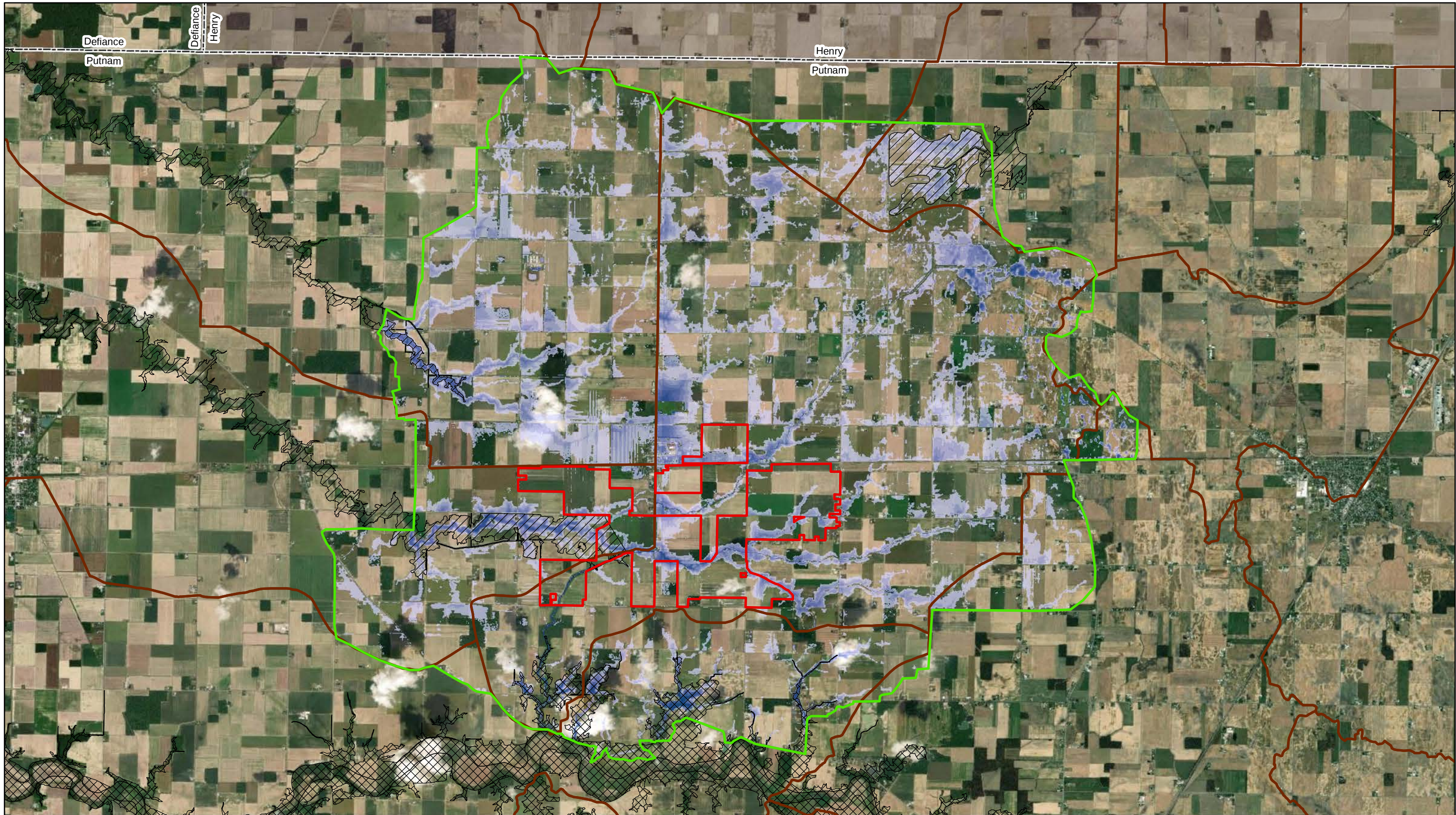
0 1 Miles

## Powell Creek Solar Project

Putnam County, Ohio

Exhibit 5: Curve Number and  
Topographic Source Map

March 23, 2020



Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

### Legend

- Project Boundary
- FLO-2D Boundary
- County Boundary
- HUC 12 Boundary
- FEMA Zone A
- FEMA Zone AE
- NHD Flowline

### Peak Flow Depth (ft)



## Powell Creek Solar Project

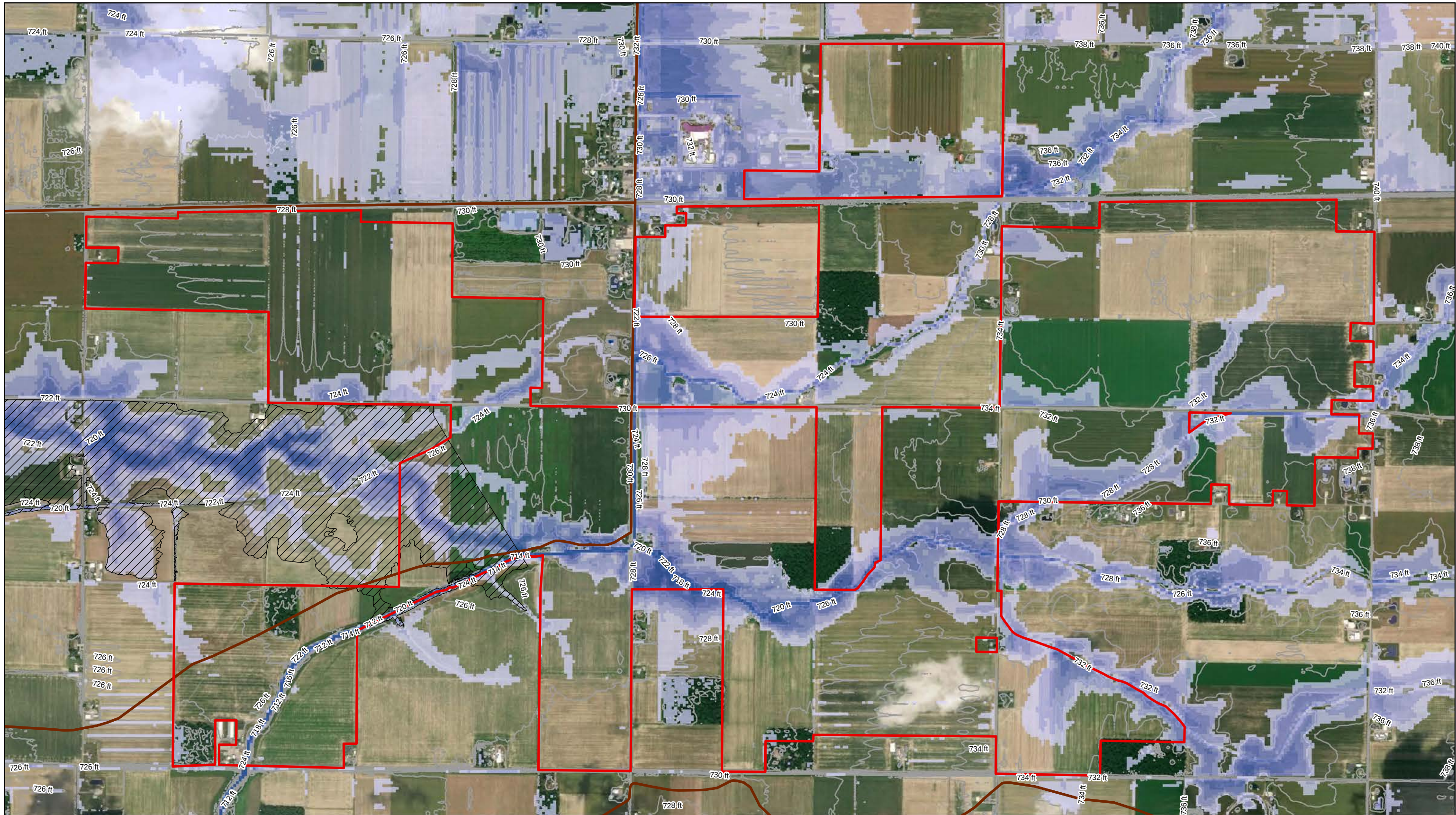
Putnam County, Ohio

Exhibit 6: 100-Year  
Max Water Depth Map

March 24, 2020

**Westwood**

Toll Free (888) 937-5150 westwoodps.com

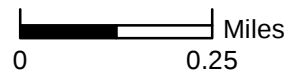
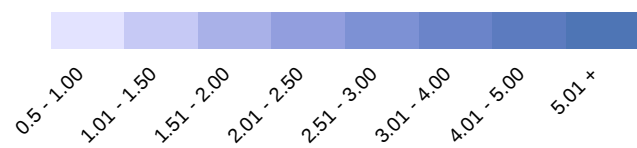


Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

### Legend

- Project Boundary
- FLO-2D Boundary
- County Boundary
- 2' Contours
- NHD Flowline
- HUC 12 Boundary
- FEMA Zone A
- FEMA Zone AE

### Peak Flow Depth (ft)

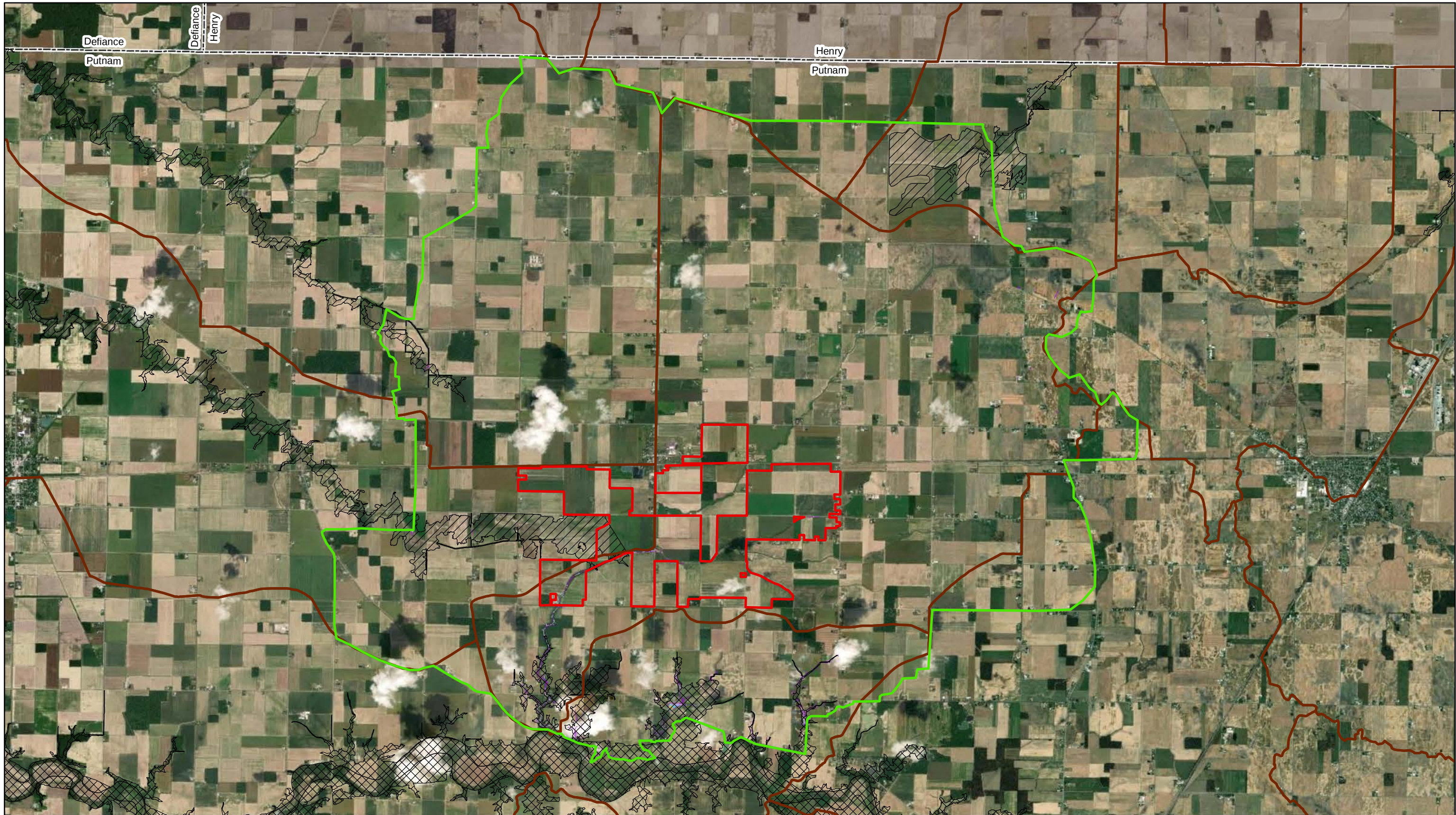


## Powell Creek Solar Project

Putnam County, Ohio

Exhibit 6A: 100-Year Max Water  
Depth Project Area Map

March 25, 2020



Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

### Legend

- Project Boundary
- FLO-2D Boundary
- County Boundary
- NHD Flowline
- HUC 12 Boundary
- FEMA Zone A
- FEMA Zone AE

### Peak Velocity (fps)

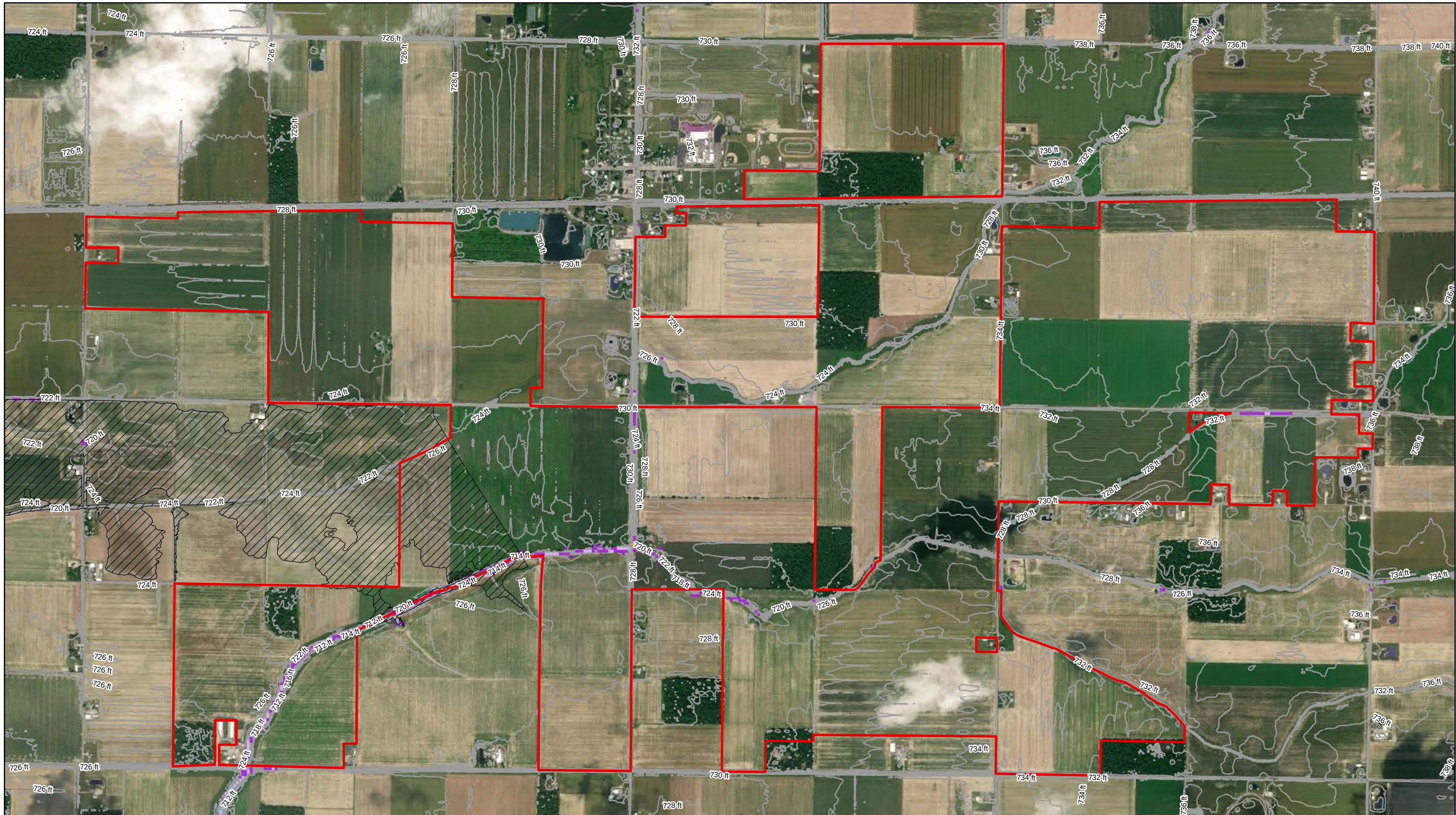


## Powell Creek Solar Project

Putnam County, Ohio

Exhibit 7: 100-Year  
Peak Velocity Map

March 25, 2020



Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

### Legend

- |                  |                 |                                                                                                                     |
|------------------|-----------------|---------------------------------------------------------------------------------------------------------------------|
| Project Boundary | NHD Flowline    | <b>Peak Velocity (fps)</b><br><br>1.00 - 1.50<br>1.51 - 2.00<br>2.01 - 2.50<br>2.51 - 3.00<br>3.01 - 4.00<br>4.01 + |
| FLO-2D Boundary  | HUC 12 Boundary |                                                                                                                     |
| County Boundary  | FEMA Zone A     |                                                                                                                     |
| 2' Contours      | FEMA Zone AE    |                                                                                                                     |

**Westwood**  
Toll Free (888) 937-5150 westwoodps.com



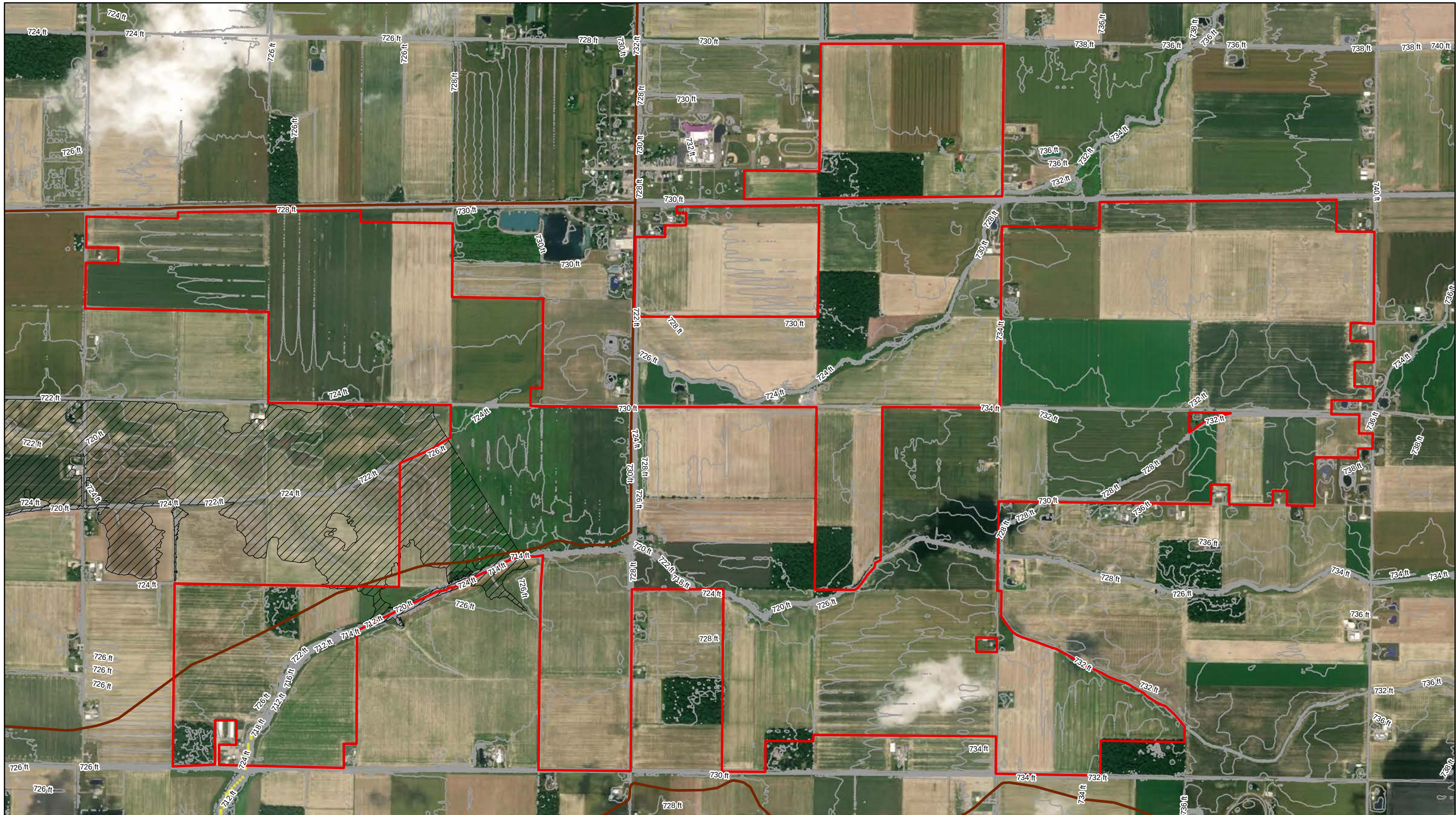
0 0.25 Miles

## Powell Creek Solar Project

Putnam County, Ohio

Exhibit 7A: 100-Year Peak  
Velocity Project Area Map

March 25, 2020

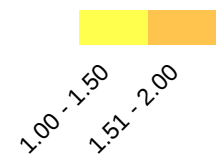


Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

### Legend

- Project Boundary
- FLO-2D Boundary
- County Boundary
- 2' Contours
- NHD Flowline
- HUC 12 Boundary
- FEMA Zone A
- FEMA Zone AE

### Scour (ft)



**Westwood**  
Toll Free (888) 937-5150 westwoodps.com

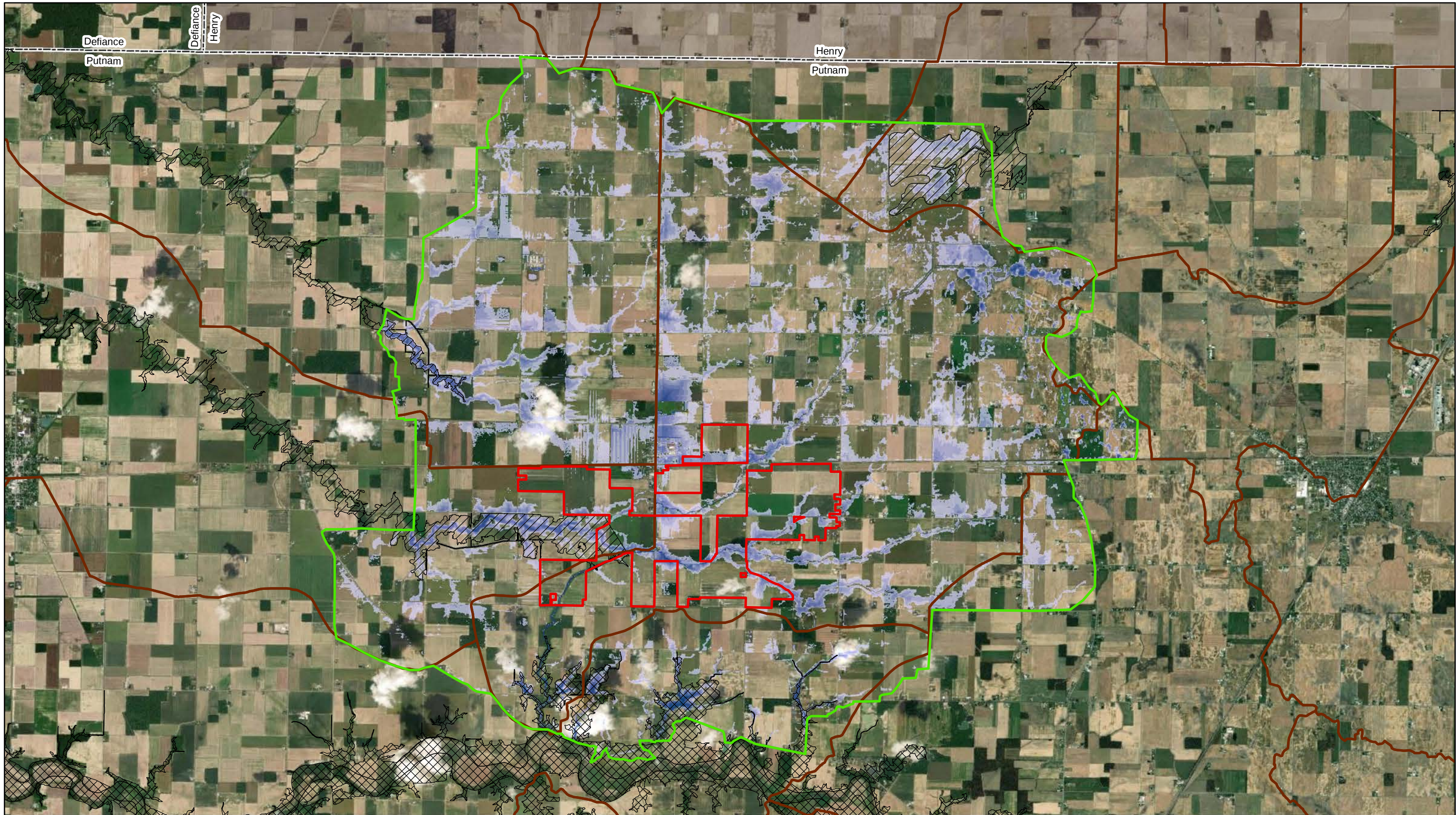


## Powell Creek Solar Project

Putnam County, Ohio

### Exhibit 8: 100-Year Scour Map

March 25, 2020

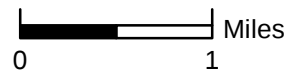
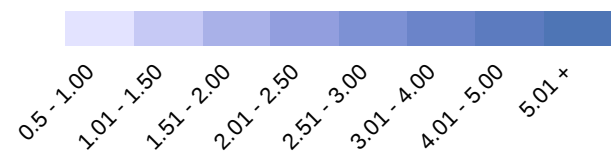


Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

### Legend

- |                  |                 |
|------------------|-----------------|
| Project Boundary | HUC 12 Boundary |
| FLO-2D Boundary  | FEMA Zone A     |
| County Boundary  | FEMA Zone AE    |
| NHD Flowline     |                 |

### Peak Flow Depth (ft)

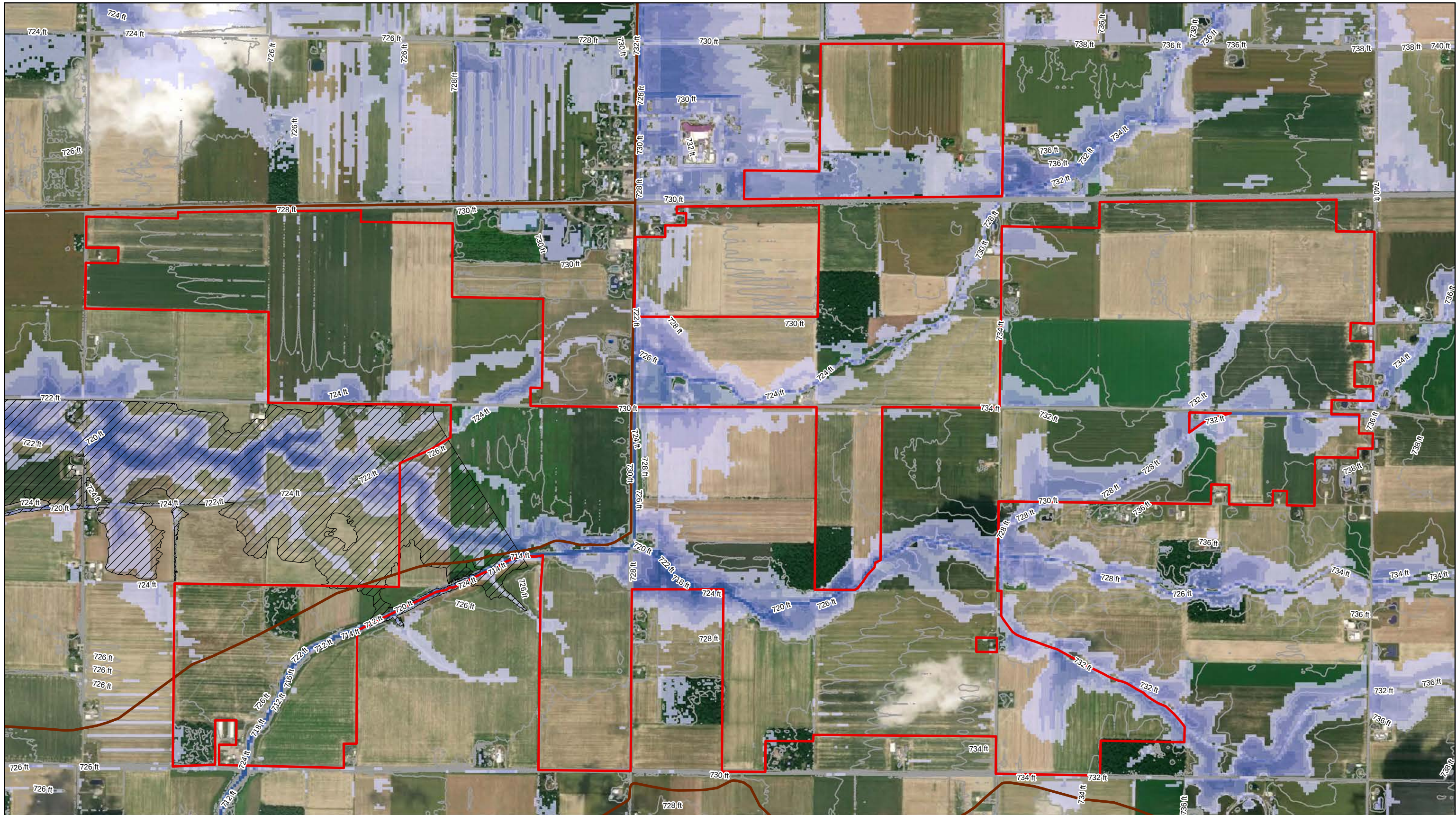


## Powell Creek Solar Project

Putnam County, Ohio

Exhibit 9: 50-Year  
Max Water Depth Map

March 23, 2020

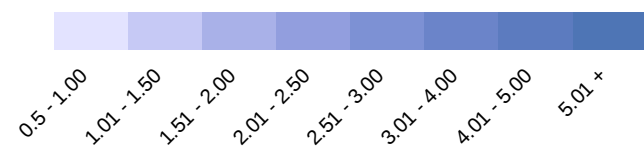


Data Sources: Westwood (2020); Esri WMS Basemap Imagery (Accessed 2020); USGS (2020); FEMA (2020); USDA (2020)

### Legend

- Project Boundary
- FLO-2D Boundary
- County Boundary
- 2' Contours
- NHD Flowline
- HUC 12 Boundary
- FEMA Zone A
- FEMA Zone AE

### Peak Flow Depth (ft)



## Powell Creek Solar Project

Putnam County, Ohio

Exhibit 9A: 50-Year Max Water  
Depth Project Area Map

March 25, 2020

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**10/7/2020 10:28:20 AM**

**in**

**Case No(s). 20-1084-EL-BGN**

Summary: Application Exhibit G - Hydrology Study (Part 2 of 4) electronically filed by Teresa Orahod on behalf of Dylan F. Borchers