Appendix 11-1

## **Agency Correspondence**

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program 625 Broadway, Fifth Floor, Albany, NY 12233-4757 P: (518) 402-8935 I F: (518) 402-8925 www.dec.ny.gov

December 23, 2020

Heather Vaillant TRC 10 Maxwell Drive, Ste 200 Clifton Park, NY 12065

Re: Shepherd's Run Solar Project County: Columbia Town/City: Copake

Dear Ms. Vaillant:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

We have no records of rare or state-listed animals or plants, or significant natural communities at the project site or in its immediate vicinity.

The absence of data does not necessarily mean that rare or state-listed species, significant natural communities, or other significant habitats do not exist on or adjacent to the proposed site. Rather, our files currently do not contain information that indicates their presence. For most sites, comprehensive field surveys have not been conducted. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources.

This response applies only to known occurrences of rare or state-listed animals and plants, significant natural communities, and other significant habitats maintained in the Natural Heritage database. Your project may require additional review or permits; for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 4 Office, Division of Environmental Permits, at dep.r4@dec.ny.gov.

Sincerely,

andrea Chaloux

Andrea Chaloux Environmental Review Specialist New York Natural Heritage Program

1267

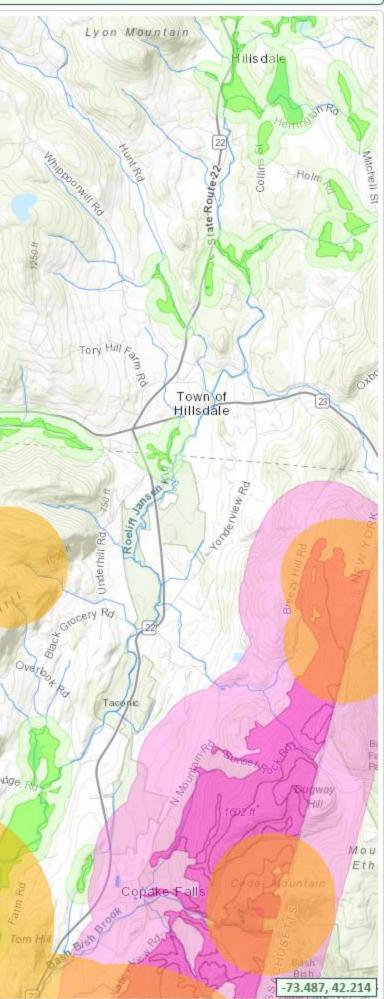
NEW YORK STATE OF OPPORTUNITY

Department of Environmental Conservation

Search	+ Worr Hill Rd
Tools	+ Rai
Layers and Legend	En la Prach Radio
All Layers	+ - Wolf Hill R <sup>a</sup> Pach Ra Pumpkin Hill
🗹 🖈 Unique Geological Features	Old Barring ton Ba
☑ ── Waterbody Classifications for Rivers/Streams  🕥	wville Deckerged De P
Waterbody Classifications for Lakes	Red State R Dy Droomy Roden a Bolmon a
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	Texas have been and texas have been and the second of the
🧾 State Regulated Wetland Checkzone	The set of
Imperiled Mussels	
Mussel Screening Ponded Waters	
— Mussel Screening Streams	Stridestown Rd 1101#
Significant Natural Communities	talland South Hill
Natural Communities Near This Location  🛈	The shares
Rare Plants or Animals	Craryville
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	Ban Bock Ro Copake
Limit to Moderate Wave Action	Country Country
	County Route 1 Ro an I Copake Lake 2 Conter Hill
	Pumpkin Hollow Rd. <sup>24</sup>
Other Wetland Layers	
Reference Layers	
Tell Me More	A CAR
Need A Permit?	
Contacts	0.5 S Ini Consiler Post Ound 1001

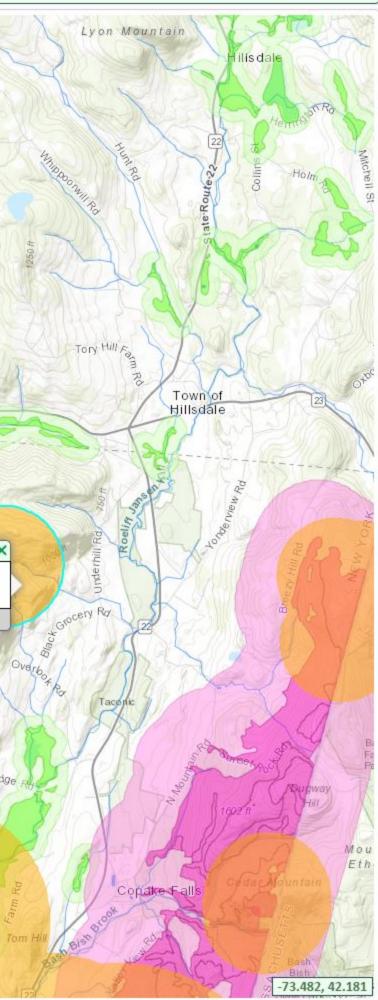
## Base Map: Topographical

### ✓ Using this map



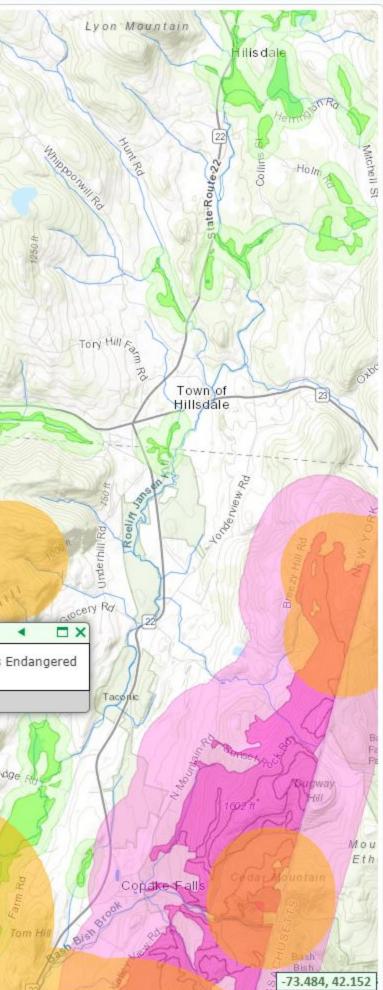
Search	Le Color Contraction and Color
Tools	+ - Woir Hill Rd
Layers and Legend	- O Prach Ra
All Layers	Pumpkin Hill
🗹 🖈 Unique Geological Features	ok Barring lon ng Bumpkin Hill Ro
☑ ── Waterbody Classifications for Rivers/Streams	wville Decker, so
Waterbody Classifications for Lakes	to and a set
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	The same of the second of the
State Regulated Wetland Checkzone  🕕	Philad In the state of the state
Imperiled Mussels	
Mussel Screening Ponded Waters	Sind and 1101/ft.
— Mussel Screening Streams	and 1101#
Significant Natural Communities	Tagheno Cleek Scutt Hill
Natural Communities Near This Location  🛈	Rare Plants and Rare Animals
Rare Plants or Animals	This location is in the vicinity of Rare Dragonflies and Damselflies – Not Listed by NYS
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	Zoom to
Limit to Moderate Wave Action	county Pose 11 Copake County Club Stores 2
	Center Hill
	A A A A A A A A A A A A A A A A A A A
	Pumpkin Hollow Rd. <sup>10</sup>
Other Wetland Layers	A REVERSION AND AND AND AND AND AND AND AND AND AN
Reference Layers	
Tell Me More	A THE AND
Need A Permit?	
Contacts	0 0.5 S Imi Chrysler Popl Oline 150 H

## Base Map: Topographical Vusing this map



Search	+ Worren Rod	NA.
Tools	+	SIT
Layers and Legend	+ - Wolf Hill W	25
All Layers		okin Hill
🗹 🖈 Unique Geological Features	ole Barring lon ng Bumpkills	Hun
☑ — Waterbody Classifications for Rivers/Streams	wville Deckerson	No.
☑	de la	35.
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	Constant of the second of the	X
State Regulated Wetland Checkzone  🕕	Philad And And And And And And And And And An	
Imperiled Mussels	9100 - August All Parts	
Mussel Screening Ponded Waters	Sindle nowin Rd	
Mussel Screening Streams	and the Router	
Significant Natural Communities	taghamo Cleek Scutt	t HIL
Natural Communities Near This Location  🕕		
Rare Plants or Animals	Craryville	
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	Rare Plants and Rare Animals (2 of 2)	0
Limit to Moderate Wave Action	This location is in the vicinity of Animals List or Threatened - Contact NYSDEC Regional C	ted as Office
	County Route 1 County	
	Center Hill	Their Brid
	Pumpk/n Hollow Rd. <sup>1</sup>	N
Other Wetland Layers		
Reference Layers		- 1
Tell Me More	A PLAN AND AND AND AND AND AND AND AND AND A	24
Need A Permit?		
Contacts	5 0.5 S Imi	

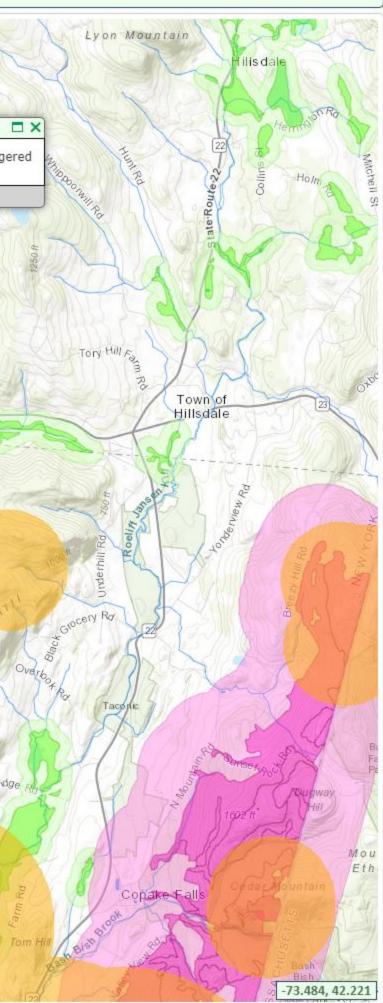
## Base Map: Topographical Vusing this map



Search	Wort Hund
Tools	+
Layers and Legend	+ - Wolf Hill <sup>Ru</sup> Rare Plants and Rare Animals
All Layers	Rare Plants and Rare Animals
<ul> <li>✓ ★ Unique Geological Features</li> <li>✓ — Waterbody Classifications for Rivers/Streams</li> </ul>	WVIIIe De De Contact NYSDEC Regional Office
✓ ■ Waterbody Classifications for Lakes	state ad state h province a provi
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	To as a start of the start of t
📃 State Regulated Wetland Checkzone  🕥	ALL AND
Imperiled Mussels	
Mussel Screening Ponded Waters	
— Mussel Screening Streams	Smiderhown Rd
Significant Natural Communities	Taghtame Creek Scutt Hill
Natural Communities Near This Location	Start Start
Rare Plants or Animals	Craryville
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	The Rock Ro
Limit to Moderate Wave Action	County Rouse 1 Copake Lake 2 Copake
Other Wetland Layers	Pumpkin, Hollow Rd. <sup>24</sup>
Reference Layers	
Tell Me More	A CAN A A A A A A A A A A A A A A A A A
Need A Permit?	APT CALLER AND
Contacts	0 0.5 g imi Christer pool Ourse son

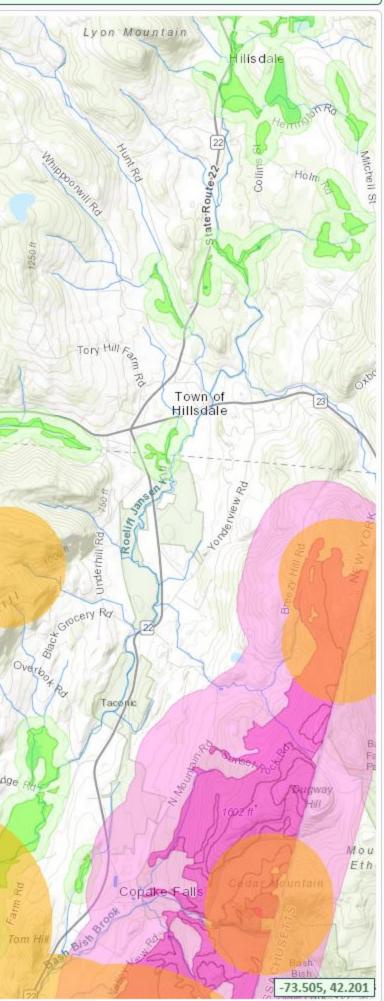
## Base Map: Topographical

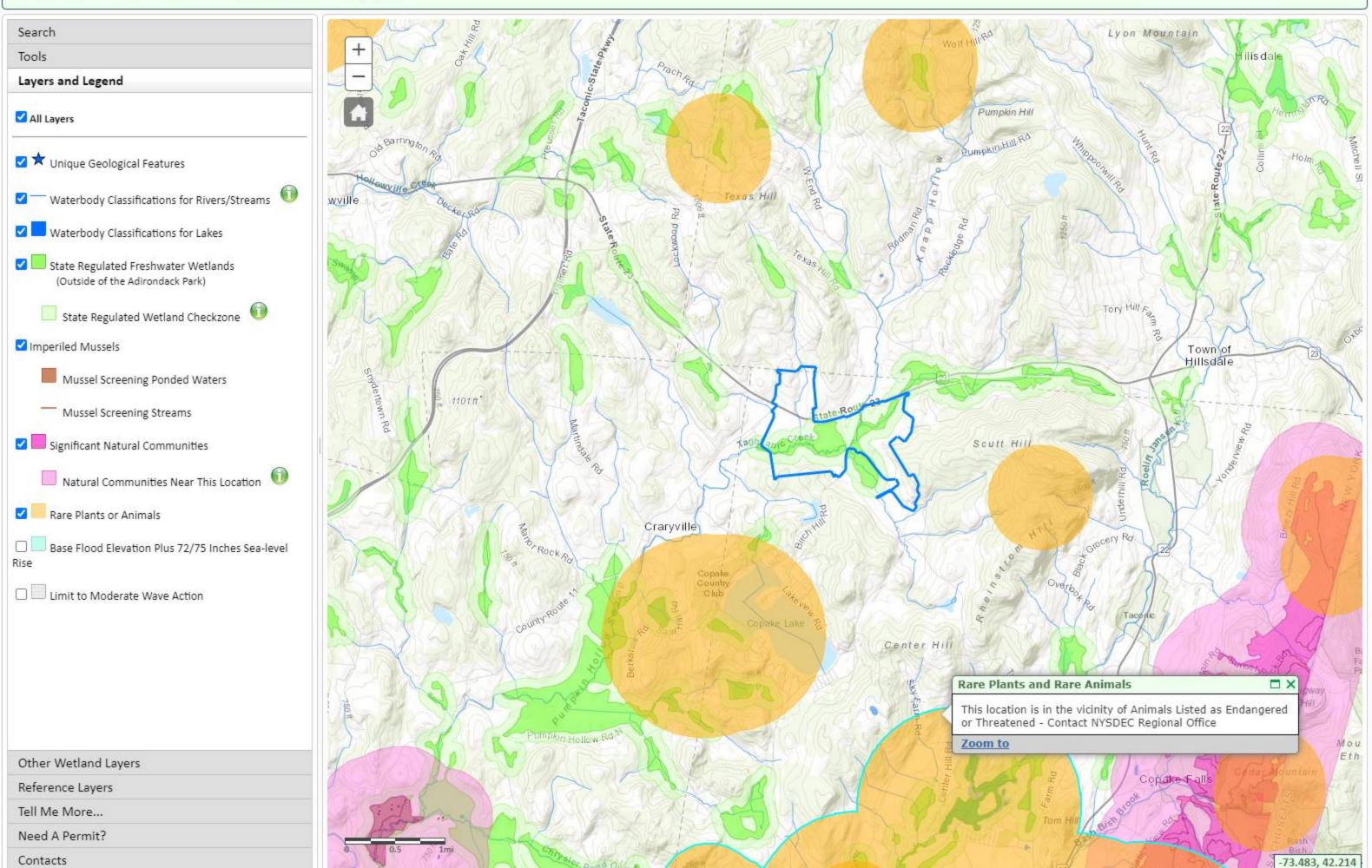
### ✓ Using this map



Search		What Consider and	Wolf Hill Rd
Tools	+	hic State Print	Con Con
Layers and Legend		and a start and a start a star	
All Layers		Tac	Pum
	ob Barring ton A		d Bumpkij
🗹 🖈 Unique Geological Features		This location is in the vicinity of Animals Listed as Endangere or Threatened - Contact NYSDEC Regional Office	d & Pumps
☑ — Waterbody Classifications for Rivers/Streams	wville Decke ob	Zoom to	H at
☑	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	State Py progra	Bogun a by a by
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	So the Mark	Texas h	State of the second
📃 State Regulated Wetland Checkzone	Philad	12 CONSTRUCTION	Sa All
Imperiled Mussels	39 00 5-0-0		1 Star
Mussel Screening Ponded Waters	Sindertown Rd		1-2-00
Mussel Screening Streams	101H	Etato-Rou	5
Significant Natural Communities	1.2.01 2/00	Tagiliano creek	Scu Scu
Natural Communities Near This Location 🛈		Jo M Stor	22/
Rare Plants or Animals	La La C	Craryville	Y
Base Flood Elevation Plus 72/75 Inches Sea-level Rise		and the second s	1
Limit to Moderate Wave Action	SAL STR	Country	S of
	NOS Y SOL	county-Rouel Ro T Cub Pre-	A A A
	DY SARA	CAN STERMAND	Center Hill
	PAR		E S
		Carles Port	
	Stall Sel	Pumpkin Hollow Rd. <sup>24</sup>	教会
Other Wetland Layers			
Reference Layers	The second	MA GALLAN	Ther
Tell Me More	The second second	SUNDER THE ALL MA	V CONO
Need A Permit?	AST CL	Land Bar Control	ALL AND
Contacts	0 0.5 jimi	Shipster and a start	
		Concernation and the second seco	19 19

## Base Map: Topographical 🗸 Using this map



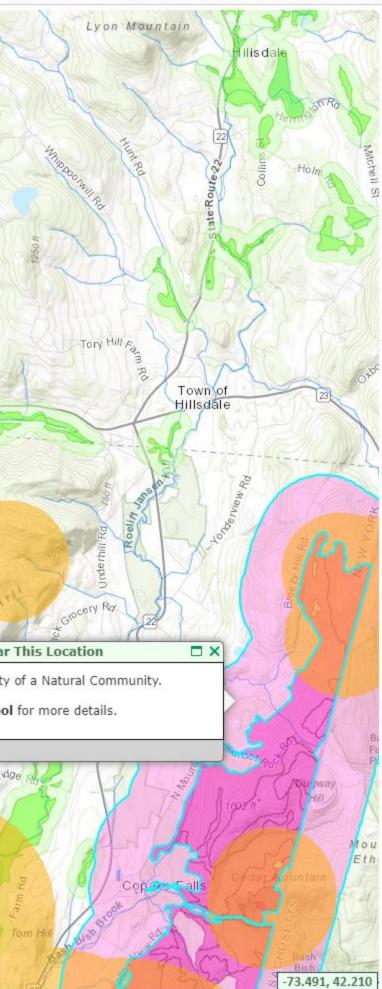


### Base Map: Topographical V Using this map

Search	+ Worr Hill Rd A
Tools	+ Wolter
Layers and Legend	- Contraction Ration - Contraction - Contrac
All Layers	+ - Wolf Hill Ra Participation Provide And Participation Provide And P
🗹 🖈 Unique Geological Features	Old Barring ton the
✓ — Waterbody Classifications for Rivers/Streams	wville Decherad Decherad
Waterbody Classifications for Lakes	Py proposition of a state of a st
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	Texas have been and the second of the second
📃 State Regulated Wetland Checkzone	Philad Philade Start Start
Imperiled Mussels	WE NOT THE REAL PROPERTY OF TH
Mussel Screening Ponded Waters	
— Mussel Screening Streams	Stridestown Rd 1101#
Significant Natural Communities	Tatiliano Steek South Hill
Natural Communities Near This Location	The shows
Rare Plants or Animals	Craryville
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	Ban Rock Roo
Limit to Moderate Wave Action	Country Country
	County Route County Route County Route County Route County Route Ro and County Route County County Route County County Route County County Count
	Zoom to
	Pumpkin Hollow Rd."
Other Wetland Layers	
Reference Layers	
Tell Me More	a side and a side of the second of the secon
Need A Permit?	
Contacts	0 0.5 8 1mi

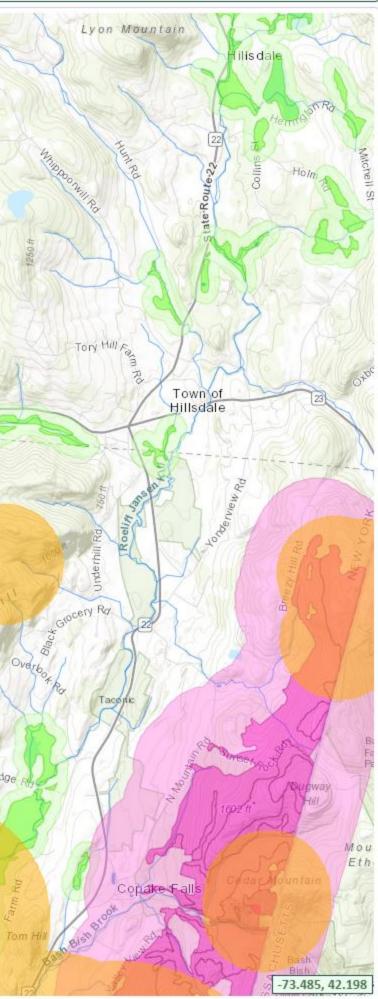
Base Map: Topographical

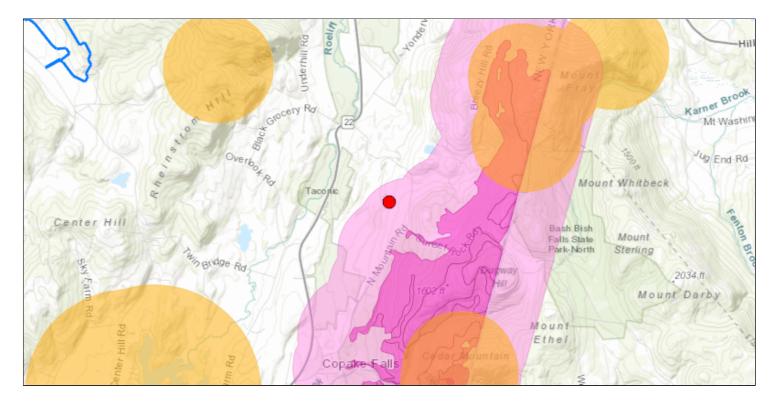
### ✓ Using this map



Search	+ Worr Huike
Tools	+ World Hilling
Layers and Legend	- A A A A A A A A A A A A A A A A A A A
All Layers	Pumpkin Hill
🗹 🖈 Unique Geological Features	ole Barring ton the
☑ — Waterbody Classifications for Rivers/Streams	wville Decker ad
☑	ko buno a du o
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	The same of the second se
State Regulated Wetland Checkzone 🛈	Philad Hernie Barris Statistics
Imperiled Mussels	
Mussel Screening Ponded Waters	
Mussel Screening Streams	Smiderhown Rd 1101#
Significant Natural Communities	Taghano Core Scutt Hill
Natural Communities Near This Location	
Rare Plants or Animals	Craryville
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	ton Rock Ro
Limit to Moderate Wave Action	Copake Country Club Store
	County Rose Ro Lake 2
	Natural Communities Near This Location
	This location is in the vicinity of a Natural Community.
	Please use the Identify Tool for more details.
	Zoom to
Other Wetland Layers	
Reference Layers	
Tell Me More	
Need A Permit?	
Contacts	0 0.5 S 1mi Chrales Pool Ound Toon

## Base Map: Topographical Vusing this map





### The coordinates of the point you clicked on are:

UTM 18	Easting:	623039.6572472178	Northing:	4666788.5408801185
Longitude/Latitude	Longitude:	-73.51099684080344	Latitude:	42.14356783297628

**The approximate address of the point you clicked on is:** 12517, Copake Falls, New York

County: Columbia Town: Copake USGS Quad: HILLSDALE

### **DEC Region**

#### Region 4:

(Capital Region/Northern Catskills) Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie counties. For more information visit <u>http://www.dec.ny.gov/about/611.html</u>.

#### **Natural Communities in the Vicinity**

Natural Community Name: Appalachian oak-hickory forest Location: Alander Mountain Ecological System: Uplands

**Natural Community Name:** NOTE **Location:** This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information. Ecological System:

### **National Wetands Inventory**

Attribute: undefined Type: undefined Acres: undefined

For more information about the National Wetands Inventory wetlands visit http://www.fws.gov/wetlands/

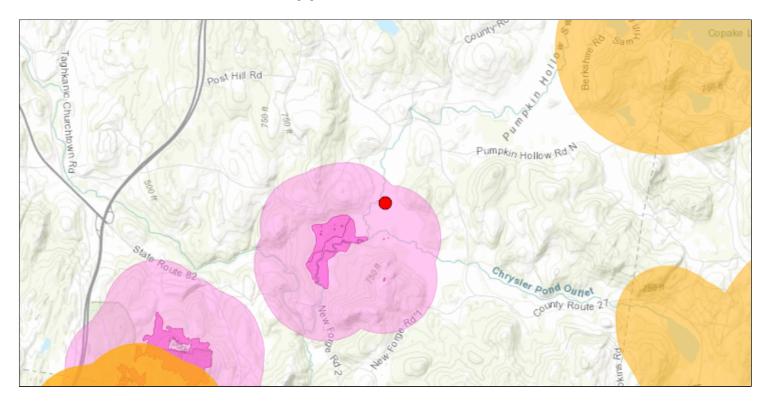
If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

**Disclaimer:** If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



### The coordinates of the point you clicked on are:

UTM 18	Easting:	610625.7474958466	Northing:	4663995.574755104
Longitude/Latitude	Longitude:	-73.66171552976809	Latitude:	42.12027111718938

The approximate address of the point you clicked on is: 12502, Ancram, New York

County: Columbia Town: Taghkanic USGS Quad: ANCRAM

### **DEC Region**

#### Region 4:

(Capital Region/Northern Catskills) Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie counties. For more information visit <u>http://www.dec.ny.gov/about/611.html</u>.

#### **State Regulated Freshwater Wetlands**

ID: CK-41 Class: 1 Size (Acres): 583.300000000001 This location is in the vicinity of one or more Regulated Freshwater Wetlands.

### Natural Communities in the Vicinity

Natural Community Name: Floodplain forest Location: New Forge Ecological System: Freshwater Nontidal Wetlands

Natural Community Name: Vernal pool Location: New Forge Ecological System: Freshwater Nontidal Wetlands

Natural Community Name: Red maple-hardwood swamp Location: New Forge Ecological System: Freshwater Nontidal Wetlands

#### **National Wetands Inventory**

Attribute: undefined Type: undefined Acres: undefined

Attribute: undefined Type: undefined Acres: undefined

For more information about the National Wetands Inventory wetlands visit http://www.fws.gov/wetlands/

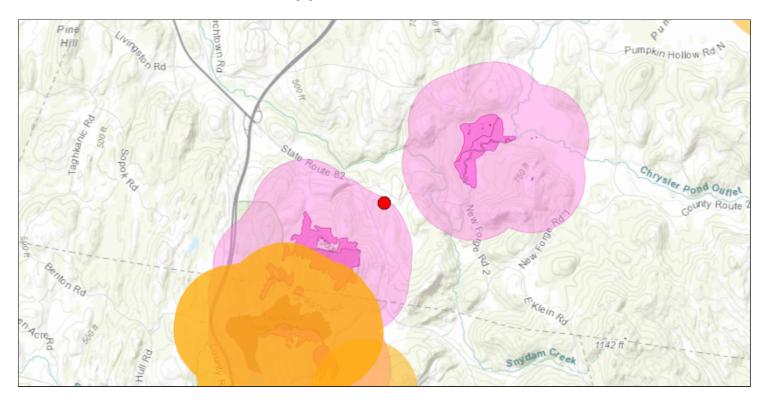
If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

**Disclaimer:** If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



### The coordinates of the point you clicked on are:

UTM 18	Easting:	608336.6063472809	Northing:	4662404.391223183
Longitude/Latitude	Longitude:	-73.68969633421142	Latitude:	42.10626350367031

The approximate address of the point you clicked on is: 12502, Ancram, New York

County: Columbia Town: Taghkanic USGS Quad: ANCRAM

### **DEC Region**

#### Region 4:

(Capital Region/Northern Catskills) Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie counties. For more information visit <u>http://www.dec.ny.gov/about/611.html</u>.

#### Freshwater Wetlands Checkzone

This location is in the vicinity of one or more Regulated Freshwater Wetlands.

#### **Natural Communities in the Vicinity**

Natural Community Name: Hemlock-northern hardwood forest Location: Lake Taghkanic

Ecological System: Uplands

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

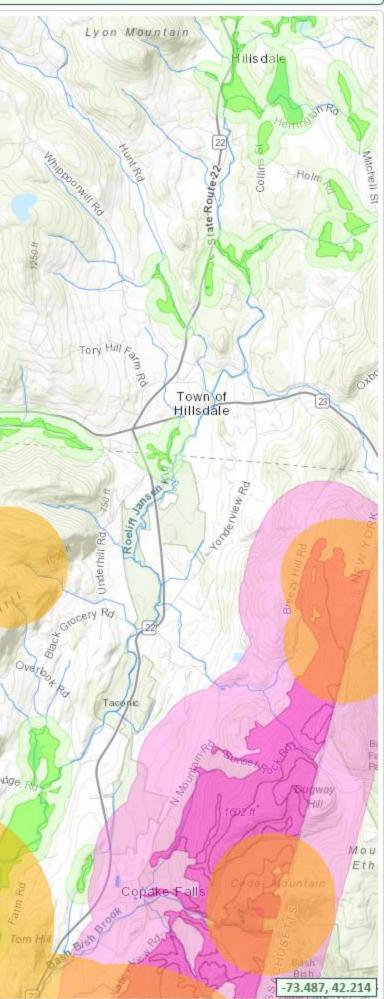
Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

**Disclaimer:** If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

Search	+ Worr Hill Rd
Tools	+ Rai
Layers and Legend	En la Prach Radio
All Layers	+ - Wolf Hill R <sup>a</sup> Pach Ra Pumpkin Hill
🗹 🖈 Unique Geological Features	Old Barring ton Ba
☑ — Waterbody Classifications for Rivers/Streams  🕥	wville Deckerged De P
Waterbody Classifications for Lakes	Red State R Dy Droomy Roden a Bolmon a
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	Texas have been and texas have been and the second of the
🧾 State Regulated Wetland Checkzone	The set of
Imperiled Mussels	
Mussel Screening Ponded Waters	
— Mussel Screening Streams	Stridestown Rd 1101#
Significant Natural Communities	talland South Hill
Natural Communities Near This Location  🛈	The shares
Rare Plants or Animals	Craryville
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	Ban Bock Ro Copake
Limit to Moderate Wave Action	Country Country
	County Route 1 Ro an I Copake Lake 2 Conter Hill
	Pumpkin Hollow Rd. <sup>24</sup>
Other Wetland Layers	
Reference Layers	
Tell Me More	A CALL AND A CALL AND A CALL AND A
Need A Permit?	
Contacts	0.5 S Ini Consiler Post Ound 1001

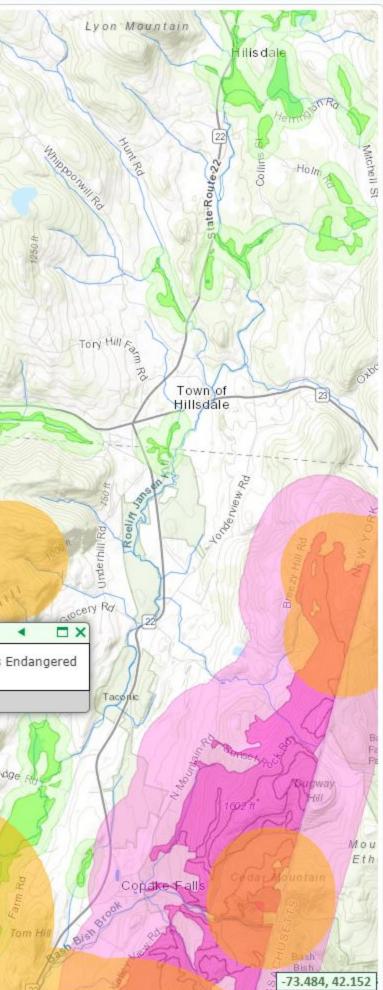
## Base Map: Topographical

### ✓ Using this map



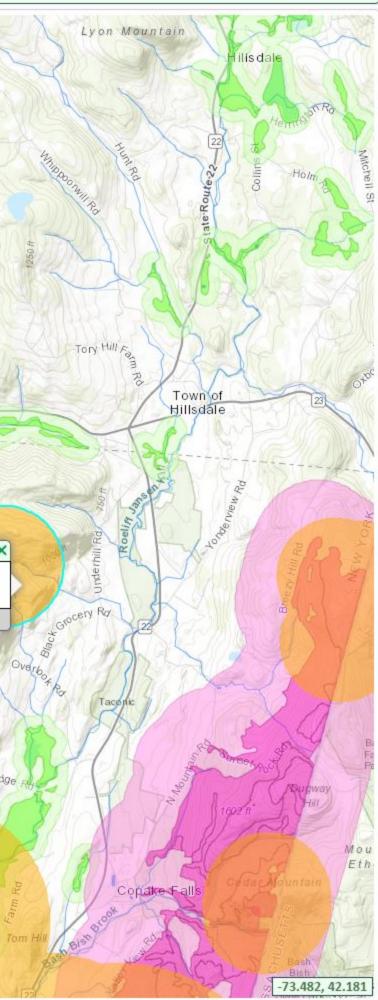
Search	+ Worren Rod	NA.
Tools	+	SIL
Layers and Legend	+ - Wolf Hill W	25
All Layers		okin Hill
🗹 🖈 Unique Geological Features	ole Barring lon ng Bumpkills	Hun
☑ — Waterbody Classifications for Rivers/Streams	wville Deckerson	No.
☑	de la	35.
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	Constant of the second of the	X
State Regulated Wetland Checkzone  🕕	Philad And And And And And And And And And An	
Imperiled Mussels	9100 - August All Parts	
Mussel Screening Ponded Waters	Sindle nowin Rd	
Mussel Screening Streams	and the Router	
Significant Natural Communities	taghamo Cleek Scutt	t HIL
Natural Communities Near This Location  🕕		
Rare Plants or Animals	Craryville	
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	Rare Plants and Rare Animals (2 of 2)	0
Limit to Moderate Wave Action	This location is in the vicinity of Animals List or Threatened - Contact NYSDEC Regional C	ted as Office
	County Route 1 County	
	Center Hill	Their Brid
	Pumpk/n Hollow Rd. <sup>1</sup>	N
Other Wetland Layers		
Reference Layers		- 1
Tell Me More	A PLAN AND AND AND AND AND AND AND AND AND A	24
Need A Permit?		
Contacts	5 0.5 S Imi	

## Base Map: Topographical Vusing this map



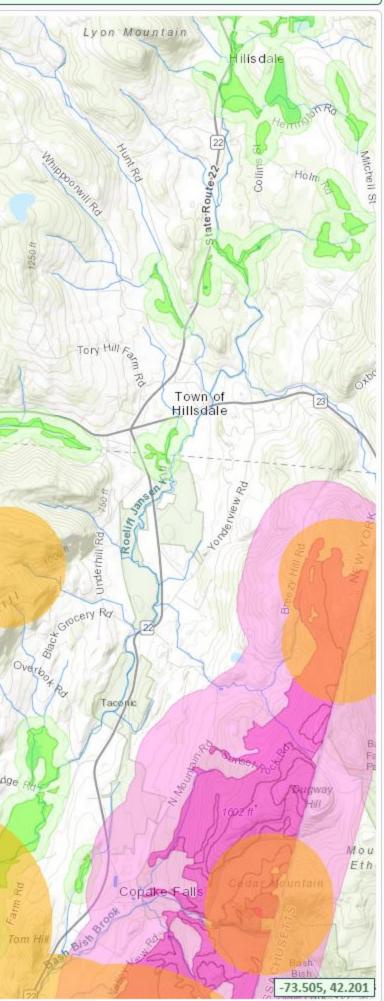
Search	Le Color Contraction and Color
Tools	+ - Woir Hill Rd
Layers and Legend	- O Prach Ra
All Layers	Pumpkin Hill
🗹 🖈 Unique Geological Features	ok Barring lon ng Bumpkin Hill Ro
☑ ── Waterbody Classifications for Rivers/Streams	wville Decker, so
Waterbody Classifications for Lakes	to and a set
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	The same of the second of the
State Regulated Wetland Checkzone  🕕	Philad In the state of the state
Imperiled Mussels	
Mussel Screening Ponded Waters	Sind and 1101/ft.
— Mussel Screening Streams	and 1101#
Significant Natural Communities	Tagheno Cleek Scutt Hill
Natural Communities Near This Location  🛈	Rare Plants and Rare Animals
Rare Plants or Animals	This location is in the vicinity of Rare Dragonflies and Damselflies – Not Listed by NYS
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	Zoom to
Limit to Moderate Wave Action	county Pose 11 Copake County Club Stores 2
	Center Hill
	A A A A A A A A A A A A A A A A A A A
	Pumpkin Hollow Rd. <sup>10</sup>
Other Wetland Layers	A REVERSION AND AND AND AND AND AND AND AND AND AN
Reference Layers	
Tell Me More	A THE AND
Need A Permit?	
Contacts	0 0.5 S Imi Chrysler Popl Ound Toon

## Base Map: Topographical Vusing this map



Search		What Consider and	Wolf Hill Rd
Tools	+	hic State Print	Con Con
Layers and Legend		and a start and a start a star	
All Layers		Tac	Pum
	ob Barring ton A		d Bumpkij
🗹 🖈 Unique Geological Features		This location is in the vicinity of Animals Listed as Endangere or Threatened - Contact NYSDEC Regional Office	d & Pumps
☑ — Waterbody Classifications for Rivers/Streams	wville Decke ob	Zoom to	H at
☑	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	State Py progra	Bogun a by a by
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	So the Mark	Texas h	State of the second
📃 State Regulated Wetland Checkzone	Philad	12 CONSTRUCTION	Sa All
Imperiled Mussels	39 00 5-0-0		1 Star
Mussel Screening Ponded Waters	Sindertown Rd		1-2-00
Mussel Screening Streams	101H	Etato-Rou	5
Significant Natural Communities	1.2.01 2/00	Tagiliano creek	Scu Scu
Natural Communities Near This Location 🛈		Jo M Stor	22/
Rare Plants or Animals	La La C	Craryville	Y
Base Flood Elevation Plus 72/75 Inches Sea-level Rise		and the second second	1
Limit to Moderate Wave Action	SAL STR	Country	S of
	NOS Y SOL	county-Rouel Ro T Cub Pre-	A A A
	DY SARA	CAN STERMAND	Center Hill
	PAR		E S
		Carles Port	
	Stall Sel	Pumpkin Hollow Rd. <sup>24</sup>	教会
Other Wetland Layers			
Reference Layers	The second	MA GALLAN	Ther
Tell Me More	The second second	SUNDER THE ALL MA	V CONO
Need A Permit?	AST CL	Land Bar Control	ALL AND
Contacts	0 0.5 jimi	Shipster and a start	
		Concernation and the second seco	19

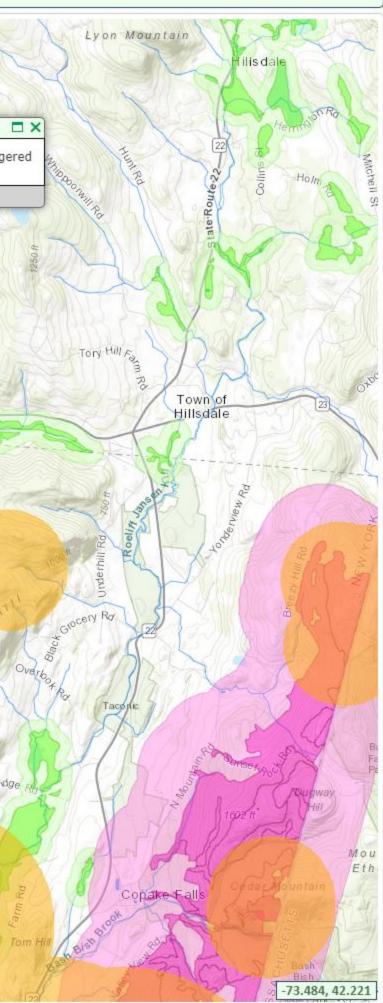
## Base Map: Topographical 🗸 Using this map

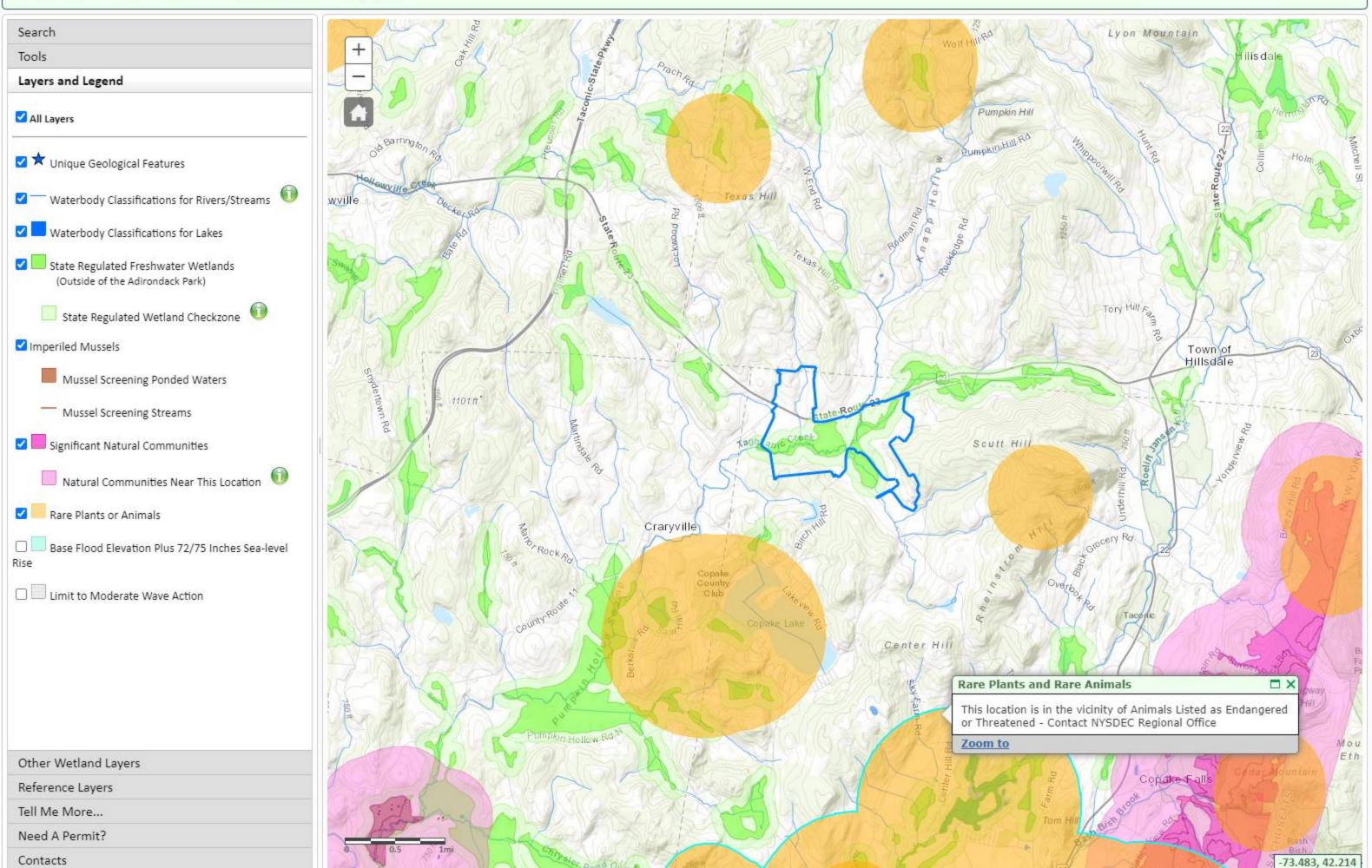


Search	Wort Hund
Tools	+ Ball and Participation of the second secon
Layers and Legend	+ - Wolf Hill <sup>Ru</sup> Rare Plants and Rare Animals
All Layers	Rare Plants and Rare Animals
<ul> <li>✓ ★ Unique Geological Features</li> <li>✓ — Waterbody Classifications for Rivers/Streams</li> </ul>	WVIIIe De De Contact NYSDEC Regional Office
✓ ■ Waterbody Classifications for Lakes	state ad state h province a provi
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	To as a second of the second o
📃 State Regulated Wetland Checkzone  🕥	ALL AND
Imperiled Mussels	
Mussel Screening Ponded Waters	
— Mussel Screening Streams	Smildentown Rd
Significant Natural Communities	Taghtame Creek Scutt Hill
Natural Communities Near This Location	Start Start
Rare Plants or Animals	Craryville
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	The Rock Ro
Limit to Moderate Wave Action	County Rouse 1 Copake Lake 2 Copake
Other Wetland Layers	Pumpkin, Hollow Rd. <sup>24</sup>
Reference Layers	
Tell Me More	A CAN A A A A A A A A A A A A A A A A A
Need A Permit?	APT CALLER AND
Contacts	0 0.5 g imi Christer pool Ourse son

## Base Map: Topographical

### ✓ Using this map



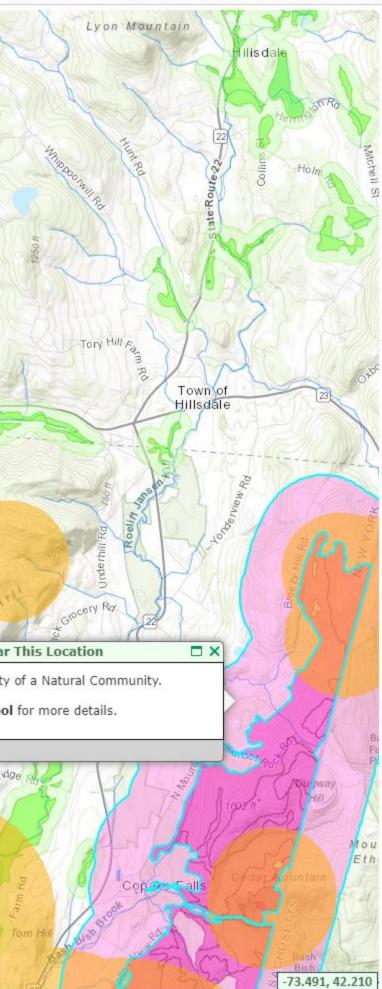


### Base Map: Topographical V Using this map

Search	+ Worr Hill Rd A
Tools	+ Wolter
Layers and Legend	- Contraction Ration - Contraction - Contrac
All Layers	+ - Wolf Hill Ra Participation Provide And Participation Provide And P
🗹 🖈 Unique Geological Features	Old Barring ton the
✓ — Waterbody Classifications for Rivers/Streams	wville Decherad Decherad
Waterbody Classifications for Lakes	Py proposition of a state of a st
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	Texas have been and the second of the second
📃 State Regulated Wetland Checkzone	Philad Philade Start Start
Imperiled Mussels	WE NOT THE REAL PROPERTY OF TH
Mussel Screening Ponded Waters	
— Mussel Screening Streams	Stridestown Rd 1101#
Significant Natural Communities	Tatiliano Steek South Hill
Natural Communities Near This Location	The shows
Rare Plants or Animals	Craryville
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	Ban Rock Roo
Limit to Moderate Wave Action	Country Country
	County Route County Route County Route County Route County Route Ro and County Route County County Route County County Route County County County County County County County County County County County Count
	Zoom to
	Pumpkin Hollow Rd."
Other Wetland Layers	
Reference Layers	
Tell Me More	a side and a side of the second of the secon
Need A Permit?	
Contacts	0 0.5 8 1mi

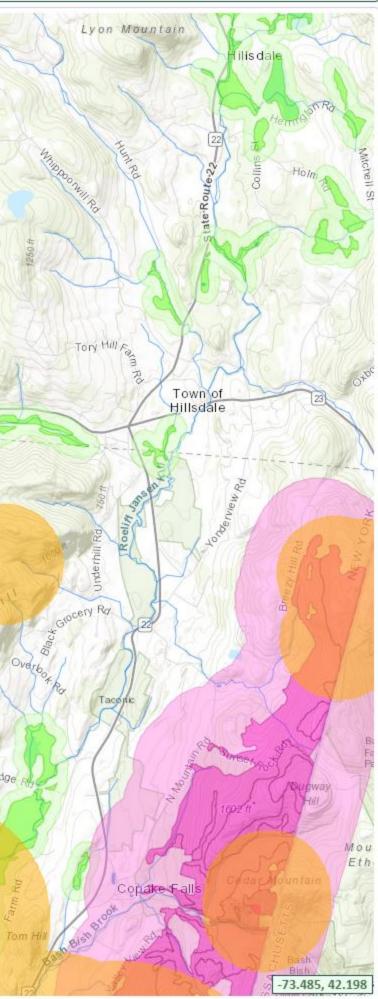
Base Map: Topographical

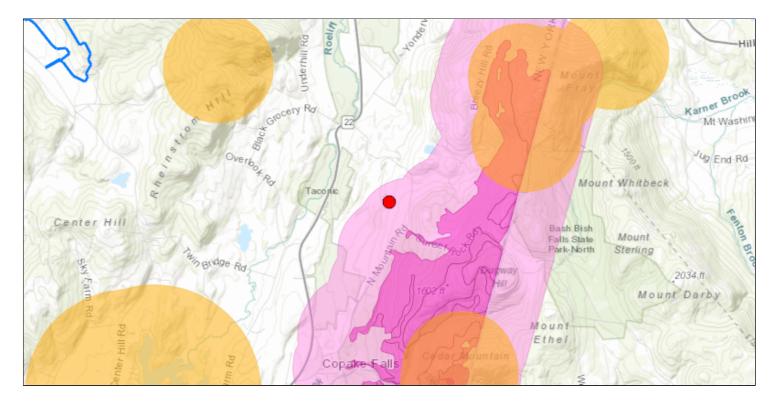
### ✓ Using this map



Search	+ WorrHuika
Tools	+ World Hilling
Layers and Legend	- A A A A A A A A A A A A A A A A A A A
All Layers	Pumpkin Hill
🗹 🖈 Unique Geological Features	ole Barring ton the
☑ — Waterbody Classifications for Rivers/Streams	wville Decker ad
☑ — Waterbody Classifications for Lakes	ko buno a du o
State Regulated Freshwater Wetlands (Outside of the Adirondack Park)	The same of the second se
State Regulated Wetland Checkzone 🛈	Philad Hernie Barris Statistics
Imperiled Mussels	
Mussel Screening Ponded Waters	
Mussel Screening Streams	Smiderhown Rd 1101#
Significant Natural Communities	Taghano Core Scutt Hill
Natural Communities Near This Location	
Rare Plants or Animals	Craryville
Base Flood Elevation Plus 72/75 Inches Sea-level Rise	Ban Rock Ro
Limit to Moderate Wave Action	Copake Country Club Store
	County Rose Ro Lake 2
	Natural Communities Near This Location
	This location is in the vicinity of a Natural Community.
	Please use the Identify Tool for more details.
	Zoom to
Other Wetland Layers	
Reference Layers	
Tell Me More	
Need A Permit?	
Contacts	0 0.5 S 1mi Chrales Pool Ound Toon

## Base Map: Topographical Vusing this map





### The coordinates of the point you clicked on are:

UTM 18	Easting:	623039.6572472178	Northing:	4666788.5408801185
Longitude/Latitude	Longitude:	-73.51099684080344	Latitude:	42.14356783297628

**The approximate address of the point you clicked on is:** 12517, Copake Falls, New York

County: Columbia Town: Copake USGS Quad: HILLSDALE

### **DEC Region**

#### Region 4:

(Capital Region/Northern Catskills) Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie counties. For more information visit <u>http://www.dec.ny.gov/about/611.html</u>.

#### **Natural Communities in the Vicinity**

Natural Community Name: Appalachian oak-hickory forest Location: Alander Mountain Ecological System: Uplands

**Natural Community Name:** NOTE **Location:** This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information. Ecological System:

### **National Wetands Inventory**

Attribute: undefined Type: undefined Acres: undefined

For more information about the National Wetands Inventory wetlands visit http://www.fws.gov/wetlands/

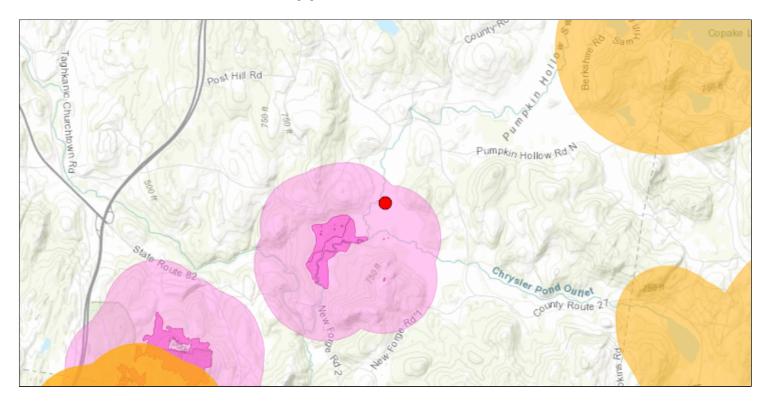
If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

**Disclaimer:** If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



### The coordinates of the point you clicked on are:

UTM 18	Easting:	610625.7474958466	Northing:	4663995.574755104
Longitude/Latitude	Longitude:	-73.66171552976809	Latitude:	42.12027111718938

The approximate address of the point you clicked on is: 12502, Ancram, New York

County: Columbia Town: Taghkanic USGS Quad: ANCRAM

### **DEC Region**

#### Region 4:

(Capital Region/Northern Catskills) Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie counties. For more information visit <u>http://www.dec.ny.gov/about/611.html</u>.

#### **State Regulated Freshwater Wetlands**

ID: CK-41 Class: 1 Size (Acres): 583.300000000001 This location is in the vicinity of one or more Regulated Freshwater Wetlands.

### Natural Communities in the Vicinity

Natural Community Name: Floodplain forest Location: New Forge Ecological System: Freshwater Nontidal Wetlands

Natural Community Name: Vernal pool Location: New Forge Ecological System: Freshwater Nontidal Wetlands

Natural Community Name: Red maple-hardwood swamp Location: New Forge Ecological System: Freshwater Nontidal Wetlands

#### **National Wetands Inventory**

Attribute: undefined Type: undefined Acres: undefined

Attribute: undefined Type: undefined Acres: undefined

For more information about the National Wetands Inventory wetlands visit http://www.fws.gov/wetlands/

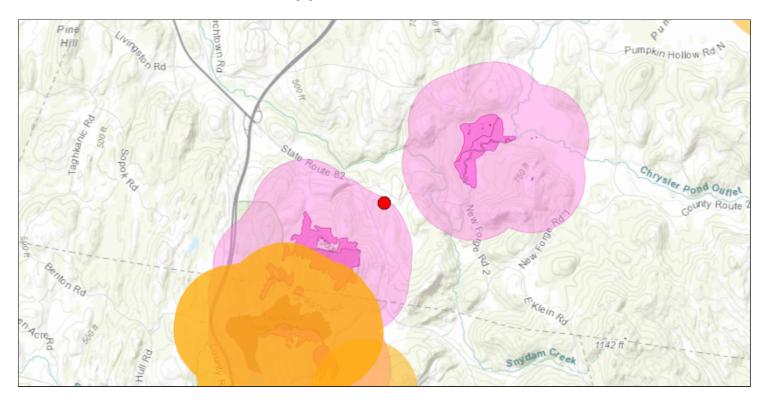
If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

**Disclaimer:** If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



### The coordinates of the point you clicked on are:

UTM 18	Easting:	608336.6063472809	Northing:	4662404.391223183
Longitude/Latitude	Longitude:	-73.68969633421142	Latitude:	42.10626350367031

The approximate address of the point you clicked on is: 12502, Ancram, New York

County: Columbia Town: Taghkanic USGS Quad: ANCRAM

### **DEC Region**

#### Region 4:

(Capital Region/Northern Catskills) Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie counties. For more information visit <u>http://www.dec.ny.gov/about/611.html</u>.

#### Freshwater Wetlands Checkzone

This location is in the vicinity of one or more Regulated Freshwater Wetlands.

#### **Natural Communities in the Vicinity**

Natural Community Name: Hemlock-northern hardwood forest Location: Lake Taghkanic

Ecological System: Uplands

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

**Disclaimer:** If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



## United States Department of the Interior

FISH AND WILDLIFE SERVICE New York Ecological Services Field Office 3817 Luker Road Cortland, NY 13045-9385 Phone: (607) 753-9334 Fax: (607) 753-9699 http://www.fws.gov/northeast/nyfo/es/section7.htm



February 04, 2022

In Reply Refer To: Project Code: 2022-0003585 Project Name: Shepherd's Run Solar

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*). This list can also be used to determine whether listed species may be present for projects without federal agency involvement. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list.

Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list. If listed, proposed, or candidate species were identified as potentially occurring in the project area, coordination with our office is encouraged. Information on the steps involved with assessing potential impacts from projects can be found at: <a href="http://www.fws.gov/northeast/nyfo/es/section7.htm">http://www.fws.gov/northeast/nyfo/es/section7.htm</a>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (<u>http://www.fws.gov/windenergy/</u> <u>eagle\_guidance.html</u>). Additionally, wind energy projects should follow the Services wind energy guidelines (<u>http://www.fws.gov/windenergy/</u>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <u>http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com;</u> and <u>http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/tower</u>

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the ESA. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

Official Species List

## **Official Species List**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New York Ecological Services Field Office 3817 Luker Road Cortland, NY 13045-9385 (607) 753-9334

## **Project Summary**

Project Code:	2022-0003585
Event Code:	None
Project Name:	Shepherd's Run Solar
Project Type:	Power Gen - Solar
Project Description:	Hecate Energy Columbia County 1 LLC, is proposing to build the
	Shepherd's Run Solar Project, a solar power facility in the Town of
	Copake, Columbia County, NY.

**Project Location:** 

Approximate location of the project can be viewed in Google Maps: <u>https://www.google.com/maps/@42.17062,-73.5898106405919,14z</u>



Counties: Columbia County, New York

## **Endangered Species Act Species**

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### Mammals

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i> There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. Species profile: <u>https://ecos.fws.gov/ecp/species/5949</u>	Endangered
Reptiles NAME	STATUS
Bog Turtle <i>Glyptemys muhlenbergii</i> Population: Wherever found, except GA, NC, SC, TN, VA No critical habitat has been designated for this species. Species profile: <u>https://ecos.fws.gov/ecp/species/6962</u>	Threatened
Insects NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <u>https://ecos.fws.gov/ecp/species/9743</u>	Candidate
Critical habitats	

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



## United States Department of the Interior

FISH AND WILDLIFE SERVICE New York Ecological Services Field Office 3817 Luker Road Cortland, NY 13045-9385 Phone: (607) 753-9334 Fax: (607) 753-9699 http://www.fws.gov/northeast/nyfo/es/section7.htm



April 19, 2021

In Reply Refer To: Consultation Code: 05E1NY00-2020-SLI-2040 Event Code: 05E1NY00-2021-E-07281 Project Name: Shepherd's Run Solar

Subject: Updated list of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*). This list can also be used to determine whether listed species may be present for projects without federal agency involvement. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list.

Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list. If listed, proposed, or candidate species were identified as potentially occurring in the project area, coordination with our office is encouraged. Information on the steps involved with assessing potential impacts from projects can be found at: <a href="http://www.fws.gov/northeast/nyfo/es/section7.htm">http://www.fws.gov/northeast/nyfo/es/section7.htm</a>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (<u>http://www.fws.gov/windenergy/</u> <u>eagle\_guidance.html</u>). Additionally, wind energy projects should follow the Services wind energy guidelines (<u>http://www.fws.gov/windenergy/</u>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <u>http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/currentBirdIssues/Hazards/currentBirdIssues/Hazards/currentBirdIssues/</u>

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the ESA. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

Official Species List

#### 1

## **Official Species List**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

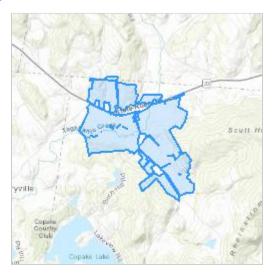
New York Ecological Services Field Office 3817 Luker Road Cortland, NY 13045-9385 (607) 753-9334

## **Project Summary**

Consultation Code:	05E1NY00-2020-SLI-2040
Event Code:	05E1NY00-2021-E-07281
Project Name:	Shepherd's Run Solar
Project Type:	POWER GENERATION
Project Description:	Hecate Energy Columbia County 1 LLC, is proposing to build the
	Shepherd's Run Solar Project, a solar power facility in the Town of
	Copake, Columbia County, NY.

### Project Location:

Approximate location of the project can be viewed in Google Maps: <u>https://www.google.com/maps/@42.166866884179825,-73.58880834784274,14z</u>



Counties: Columbia County, New York

## **Endangered Species Act Species**

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### Mammals

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i> There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. Species profile: <u>https://ecos.fws.gov/ecp/species/5949</u>	Endangered
Reptiles NAME	STATUS
Bog Turtle <i>Clemmys muhlenbergii</i> Population: Wherever found, except GA, NC, SC, TN, VA No critical habitat has been designated for this species.	Threatened

No critical habitat has been designated for this species. Species profile: <u>https://ecos.fws.gov/ecp/species/6962</u>

### **Critical habitats**

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.