

APPENDIX C

Data Forms



STREAM AND WATERBODY INVENTORY

CLIENT: SED PROJECT: FLAT CREEK

S-ABL-01, Ephemeral

PLOT OVERVIEW

ID	S-ABL-01	Classification	Ephemeral
Waterbody Name		Date	2022-08-15 15:31:53
Evaluators	Abi Light, Ella De Bruijn		
Address (Approx.)	244-300 Sprakers Rd Canajoharie Montgomery County NY 12166 US		
Location Description			
Lat. / Long. (WGS84)	42.9017129327, -74.5529637844		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NE
Average Depth (in.)	0	Probed Stream Depth	0 to 6 inches
Perceptible Flow	No	Obstruction	NA
Channel Substrate	Cobble/Gravel,Silt/Clay	Channel Gradient	> 10% (> 6 deg) Very Steep
Is floodplain present?	no	Bankfull Width (ft)	NA
Existing Water Width (ft)	0	Top of Bank (ft)	3
Water Quality		Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	0.5	Canopy Closure (Est.)	70 to 80%
OHWM Indicators	Natural Line Impressed on Bank,Shelving		
Water Quality Comments	No water		
Bank Substrate	Silt/Clay		
Aquatic Habitat	Overhanging Vegetation,Undercut Banks		
Observed Use	None		
Observed Fauna			
RTE Species & Evidence			
Notes			

	BANK HEIGHT (ft)	BANK SLOPE	BANK EROSION POTENTIAL
Left Bank	3	> 35% (> 20 deg) Very Steep	High
Right Bank	3	> 35% (> 20 deg) Very Steep	High

PHOTOS

Upstream Photo:



Downstream Photo:



Across Stream/Waterbody Photo:





STREAM AND WATERBODY INVENTORY

CLIENT: SED PROJECT: FLAT CREEK

S-ABL-02, Ephemeral

PLOT OVERVIEW

ID	S-ABL-02	Classification	Ephemeral
Waterbody Name		Date	2022-08-15 13:08:28
Evaluators	Abi Light, Ella De Bruijn		
Address (Approx.)	206–242 Sprakers Rd Canajoharie Montgomery County NY 13317 US		
Location Description			
Lat. / Long. (WGS84)	42.9023557266, -74.555080917		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NE
Average Depth (in.)	0	Probed Stream Depth	0 to 6 inches
Perceptible Flow	No	Obstruction	NA
Channel Substrate	Cobble/Gravel,Silt/Clay	Channel Gradient	2 to 4% (1 to 2 deg) Moderate
Is floodplain present?	no	Bankfull Width (ft)	NA
Existing Water Width (ft)	0	Top of Bank (ft)	4.5
Water Quality		Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1	Canopy Closure (Est.)	90 to 100%
OHWM Indicators	Natural Line Impressed on Bank		
Water Quality Comments	No water		
Bank Substrate	Silt/Clay		
Aquatic Habitat	Overhanging Vegetation		
Observed Use	None		
Observed Fauna			
RTE Species & Evidence			
Notes			

	BANK HEIGHT (ft)	BANK SLOPE	BANK EROSION POTENTIAL
Left Bank	2.5	25 to 35% (14 to 20 deg) Steep	High
Right Bank	2.5	25 to 35% (14 to 20 deg) Steep	High

PHOTOS

Upstream Photo:



Downstream Photo:



Across Stream/Waterbody Photo:





STREAM AND WATERBODY INVENTORY

CLIENT: SED PROJECT: FLAT CREEK

S-ABL-03, Intermittent

PLOT OVERVIEW

ID	S-ABL-03	Classification	Intermittent
Waterbody Name		Date	2022-08-16 10:34:15
Evaluators	Abi Light, Ella De Bruijn		
Address (Approx.)	159-183 Cunningham Rd Canajoharie Montgomery County NY 13317 US		
Location Description			
Lat. / Long. (WGS84)	42.9013926413, -74.5562392531		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NW
Average Depth (in.)	0	Probed Stream Depth	0 to 6 inches
Perceptible Flow	No	Obstruction	NA
Channel Substrate	Cobble/Gravel,Silt/Clay	Channel Gradient	2 to 4% (1 to 2 deg) Moderate
Is floodplain present?	yes	Bankfull Width (ft)	5
Existing Water Width (ft)	0	Top of Bank (ft)	NA
Water Quality		Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	3	Canopy Closure (Est.)	70 to 80%
OHWM Indicators	Bed and Banks,Natural Line Impressed on Bank,Shelving		
Water Quality Comments	No water		
Bank Substrate	Silt/Clay		
Aquatic Habitat	Overhanging Vegetation,Undercut Banks		
Observed Use	None		
Observed Fauna			
RTE Species & Evidence			
Notes			

	BANK HEIGHT (ft)	BANK SLOPE	BANK EROSION POTENTIAL
Left Bank	2.5	15 to 25% (9 to 14 deg) Steeply Sloping	High
Right Bank	2	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

PHOTOS

Upstream Photo:



Downstream Photo:



Across Stream/Waterbody Photo:





STREAM AND WATERBODY INVENTORY

CLIENT: SED PROJECT: FLAT CREEK

S-ABL-04, Ephemeral

PLOT OVERVIEW

ID	S-ABL-04	Classification	Ephemeral
Waterbody Name		Date	2022-08-17 09:57:54
Evaluators	Abi Light, Ella De Bruijn		
Address (Approx.)	Canajoharie Montgomery County NY 13317 US		
Location Description			
Lat. / Long. (WGS84)	42.9003148442, -74.5547007938		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NW
Average Depth (in.)	0	Probed Stream Depth	0 to 6 inches
Perceptible Flow	No	Obstruction	NA
Channel Substrate	Silt/Clay	Channel Gradient	2 to 4% (1 to 2 deg) Moderate
Is floodplain present?	no	Bankfull Width (ft)	NA
Existing Water Width (ft)	0	Top of Bank (ft)	2
Water Quality		Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	0.5	Canopy Closure (Est.)	10 to 20%
OHWM Indicators	Bed and Banks		
Water Quality Comments	No water		
Bank Substrate	Silt/Clay		
Aquatic Habitat	Overhanging Vegetation		
Observed Use	None		
Observed Fauna			
RTE Species & Evidence			
Notes			

	BANK HEIGHT (ft)	BANK SLOPE	BANK EROSION POTENTIAL
Left Bank	0.5	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
Right Bank	0.5	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

PHOTOS

Upstream Photo:



Downstream Photo:



Across Stream/Waterbody Photo:





STREAM AND WATERBODY INVENTORY

CLIENT: SED PROJECT: FLAT CREEK

S-ABL-05, Ephemeral

PLOT OVERVIEW

ID	S-ABL-05	Classification	Ephemeral
Waterbody Name		Date	2022-08-19 12:13:51
Evaluators	Abi Light, Ella De Bruijn		
Address (Approx.)	Canajoharie Montgomery County NY 13317 US		
Location Description			
Lat. / Long. (WGS84)	42.890888937, -74.5530313866		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	E
Average Depth (in.)	0	Probed Stream Depth	0 to 6 inches
Perceptible Flow	No	Obstruction	NA
Channel Substrate	Silt/Clay	Channel Gradient	2 to 4% (1 to 2 deg) Moderate
Is floodplain present?	yes	Bankfull Width (ft)	5
Existing Water Width (ft)	0	Top of Bank (ft)	NA
Water Quality		Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1	Canopy Closure (Est.)	80 to 90%
OHWM Indicators	Bed and Banks		
Water Quality Comments	No water present		
Bank Substrate	Silt/Clay		
Aquatic Habitat	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna			
RTE Species & Evidence			
Notes			

	BANK HEIGHT (ft)	BANK SLOPE	BANK EROSION POTENTIAL
Left Bank	2	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
Right Bank	2	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

PHOTOS

Upstream Photo:



Downstream Photo:



Across Stream/Waterbody Photo:





STREAM AND WATERBODY INVENTORY

CLIENT: SED PROJECT: FLAT CREEK

S-ABL-06, Intermittent

PLOT OVERVIEW

ID	S-ABL-06	Classification	Intermittent
Waterbody Name		Date	2022-08-19 15:12:33
Evaluators	Abi Light, Ella De Bruijn		
Address (Approx.)	Canajoharie Montgomery County NY 13317 US		
Location Description			
Lat. / Long. (WGS84)	42.8900803921, -74.5555349142		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NW
Average Depth (in.)	0	Probed Stream Depth	0 to 6 inches
Perceptible Flow	No	Obstruction	NA
Channel Substrate	Cobble/Gravel	Channel Gradient	2 to 4% (1 to 2 deg) Moderate
Is floodplain present?	yes	Bankfull Width (ft)	8
Existing Water Width (ft)	0	Top of Bank (ft)	NA
Water Quality		Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	5.5	Canopy Closure (Est.)	90 to 100%
OHWM Indicators	Bed and Banks,Natural Line Impressed on Bank,Soil Character Change		
Water Quality Comments	No water		
Bank Substrate	Silt/Clay		
Aquatic Habitat	Overhanging Vegetation,Undercut Banks		
Observed Use	Drainage		
Observed Fauna			
RTE Species & Evidence			
Notes			

	BANK HEIGHT (ft)	BANK SLOPE	BANK EROSION POTENTIAL
Left Bank	4	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
Right Bank	2	25 to 35% (14 to 20 deg) Steep	High

PHOTOS

Upstream Photo:



Downstream Photo:



Across Stream/Waterbody Photo:





STREAM AND WATERBODY INVENTORY

CLIENT: SED PROJECT: FLAT CREEK

S-ABL-07, Intermittent

PLOT OVERVIEW

ID	S-ABL-07	Classification	Intermittent
Waterbody Name		Date	2022-08-24 15:29:56
Evaluators	Abi Light, Ella De Bruijn		
Address (Approx.)	Canajoharie Montgomery County NY 13317 US		
Location Description			
Lat. / Long. (WGS84)	42.8940758676, -74.5529063097		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NW
Average Depth (in.)	0	Probed Stream Depth	0 to 6 inches
Perceptible Flow	No	Obstruction	NA
Channel Substrate	Silt/Clay	Channel Gradient	< 2% (< 1 deg) Gentle
Is floodplain present?	yes	Bankfull Width (ft)	1.5
Existing Water Width (ft)	0	Top of Bank (ft)	NA
Water Quality		Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1	Canopy Closure (Est.)	50 to 60%
OHWM Indicators	Bed and Banks, Natural Line Impressed on Bank		
Water Quality Comments			
Bank Substrate	Silt/Clay		
Aquatic Habitat	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna			
RTE Species & Evidence			
Notes			

	BANK HEIGHT (ft)	BANK SLOPE	BANK EROSION POTENTIAL
Left Bank	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
Right Bank	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate



PHOTOS

Upstream Photo:



Downstream Photo:



Across Stream/Waterbody Photo:





STREAM AND WATERBODY INVENTORY

CLIENT: SED PROJECT: FLAT CREEK

S-ABL-08, Intermittent

PLOT OVERVIEW

ID	S-ABL-08	Classification	Intermittent
Waterbody Name		Date	2022-08-24 14:51:12
Evaluators	Abi Light, Ella De Bruijn		
Address (Approx.)	90–98 Carlisle Rd Canajoharie Montgomery County NY 13317 US		
Location Description			
Lat. / Long. (WGS84)	42.8897942577, -74.5585011781		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth (in.)	0	Probed Stream Depth	0 to 6 inches
Perceptible Flow	No	Obstruction	NA
Channel Substrate	Cobble/Gravel,Silt/Clay	Channel Gradient	2 to 4% (1 to 2 deg) Moderate
Is floodplain present?	no	Bankfull Width (ft)	NA
Existing Water Width (ft)	0	Top of Bank (ft)	4
Water Quality		Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	3	Canopy Closure (Est.)	70 to 80%
OHWM Indicators	Bed and Banks,Natural Line Impressed on Bank		
Water Quality Comments			
Bank Substrate	Silt/Clay		
Aquatic Habitat	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna			
RTE Species & Evidence			
Notes			

	BANK HEIGHT (ft)	BANK SLOPE	BANK EROSION POTENTIAL
Left Bank	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
Right Bank	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

PHOTOS

Upstream Photo:



Downstream Photo:



Across Stream/Waterbody Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-DJB-01**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-DJB-01	Classification	Ephemeral
Stream Name	N/A	Date	2021-11-19 13:55:04
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	David Bonomo, Giovanni Pambianchi		
Latitude, Longitude (WGS84)	42.87775675, -74.5385702833		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	S
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Silt/Clay, Shale	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	1	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1	Water Quality	Slightly Turbid
OHWM Indicators	Scour, Natural Line Impressed on Bank, Disturbed/Washed-away Leaf Litter		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Undercut Banks		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	No	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	1	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-DJB-02

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-DJB-02	Classification	Perennial
Stream Name		Date	2021-11-18 16:30:20
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	David Bonomo, Giovanni Pambianchi		
Latitude, Longitude (WGS84)	42.8772062947, -74.5353477372		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	NE
Average Depth	4	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	40 to 50%
Is floodplain present?	Yes	Bankfull Width (ft)	8
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	4
Top of Bank (ft)	NA	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	6	Water Quality	Slightly Turbid
OHWM Indicators	Natural Line Impressed on Bank, Shelving, Bed and Banks, Sediment Sorting, Deposition		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool, Undercut Banks		
Observed Use	Drainage		
Observed Fauna(s)	Frogs		
RTE Present?	No	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	25 to 35% (14 to 20 deg) Steep	High
RIGHT BANK	2	8 to 15% (5 to 9 deg) Moderately Sloping	High

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-DJB-03**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-DJB-03	Classification	Perennial
Stream Name	Minor Tribs to Mohawk River, 876-260	Date	2021-12-06 10:42:31
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	David Bonomo, Abi Light		
Latitude, Longitude (WGS84)	42.8836305167, -74.5311438333		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	4	Perceptible Flow	Yes
Channel Substrate	Bedrock	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	12
Top of Bank (ft)	15	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	8	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Scour, Shelving, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Undercut Banks, Riffle - Pool		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	No	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	25 to 35% (14 to 20 deg) Steep	Moderate
RIGHT BANK	3	25 to 35% (14 to 20 deg) Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-01**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-01	Classification	Intermittent
Stream Name	None-tributary to Flat Creek	Date	2021-08-16 12:59:58
Address	Carlisle Road Canajoharie New York 13317 United States,		
Location Description	Northwest wooded section		
Evaluator(s)	Ethan Snyder, Cory Dunning		
Latitude, Longitude (WGS84)	42.8634802, -74.5368482		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NE
Average Depth	0	Perceptible Flow	No
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	9	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	7	Water Quality	Slightly Turbid
OHWM Indicators	Soil Character Change, Scour, Bed and Banks		
Water Quality Comments	Water exists in small pools throughout stream		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Riffle - Pool, Plunge Pools		
Observed Use			
Observed Fauna(s)	Salamanders, Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	3	25 to 35% (14 to 20 deg) Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-02**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-02	Classification	Ephemeral
Stream Name	None-Tributary to Flat Creek	Date	2021-08-16 12:49:56
Address	Carlisle Road Canajoharie New York 13317 United States,		
Location Description	Northwest wooded section		
Evaluator(s)	Ethan Snyder, Cory Dunning		
Latitude, Longitude (WGS84)	42.8632557, -74.5366436		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NE
Average Depth	0	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	3	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	2.5	Water Quality	
OHWM Indicators	Soil Character Change, Disturbed/Washed-away Leaf Litter, Litter and Debris		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)	Toads		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.2	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.2	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-03

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-03	Classification	Perennial
Stream Name	Flat Creek	Date	2021-08-16 14:26:49
Address	Canajoharie New York United States,		
Location Description	Northwest wooded section		
Evaluator(s)	Ethan Snyder, Cory Dunning		
Latitude, Longitude (WGS84)	42.8641534, -74.5348456		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	N
Average Depth	10	Perceptible Flow	Yes
Channel Substrate	Shale, Cobble/Gravel	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	Yes	Bankfull Width (ft)	70
Probed Stream Depth	6 to 12 inches	Existing Water Width (ft)	20
Top of Bank (ft)	NA	Presumed Regulatory Authority	USACE and State
Ordinary High Water Mark (ft)	60	Water Quality	Clear
OHWM Indicators	Bed and Banks, Litter and Debris, Sediment Sorting		
Water Quality Comments			
Bank Substrate(s)	Shale		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool, Plunge Pools		
Observed Use			
Observed Fauna(s)	Fish, Salamanders, Frogs, Invertebrates		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	8	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	7	15 to 25% (9 to 14 deg) Steeply Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

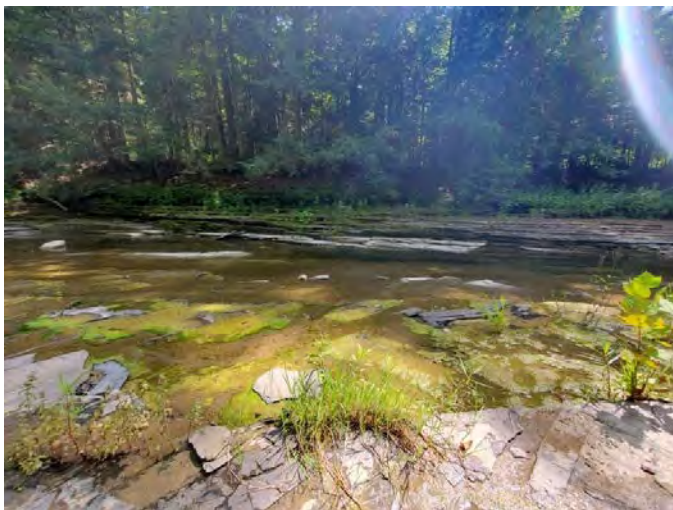
Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-3-2**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-3-2	Classification	Perennial
Stream Name	Flat creek	Date	2021-08-27 13:14:32
Address	836 Carlisle Road Canajoharie New York 13317 United States,		
Location Description			
Evaluator(s)	Isaac Pallant, Steve Spotts		
Latitude, Longitude (WGS84)	42.8503644, -74.5212784		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	N
Average Depth	12	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	Yes	Bankfull Width (ft)	65
Probed Stream Depth	12 to 24 inches	Existing Water Width (ft)	56
Top of Bank (ft)	NA	Presumed Regulatory Authority	USACE and State
Ordinary High Water Mark (ft)	60	Water Quality	Slightly Turbid
OHWM Indicators	Natural Line Impressed on Bank, Matted, Bent, or Absent Vegetation, Soil Character Change, Terrestrial Vegetation Destroyed, Scour, Shelving, Bed and Banks, Deposition, Wrack		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay, Riprap		
Aquatic Habitat(s)	Aquatic Vegetation, Overhanging Vegetation, Undercut Banks, Gravel Beach Bar, Mud Bar, Riffle - Pool, Plunge Pools		
Observed Use			
Observed Fauna(s)	Fish, Snakes, Frogs, Invertebrates, rusty craw fish		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	8	> 35% (> 20 deg) Very Steep	High
RIGHT BANK	5	25 to 35% (14 to 20 deg) Steep	High

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:



Photo:

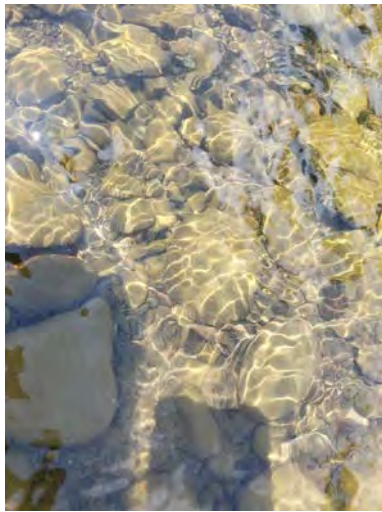


Photo:



Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-04

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-04	Classification	Intermittent
Stream Name		Date	2021-08-16 15:32:28
Address	Sprakers New York 12166 United States,		
Location Description	Northwest wooded section		
Evaluator(s)	Ethan Snyder, Cory Dunning		
Latitude, Longitude (WGS84)	42.8630288, -74.5330882		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	NW
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	0.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	8	Water Quality	Clear
OHWM Indicators	Soil Character Change, Plant Community Change, Litter and Debris		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool		
Observed Use			
Observed Fauna(s)	Frogs, Invertebrates		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-05

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-05	Classification	Intermittent
Stream Name	None-tributary to Flat Creek	Date	2021-08-17 08:57:55
Address	579 Carlisle Road Canajoharie New York 13317 United States,		
Location Description	Northwest wooded area		
Evaluator(s)	Ethan Snyder, Cory Dunning		
Latitude, Longitude (WGS84)	42.861019, -74.5360856		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	S
Average Depth	1	Perceptible Flow	Obscured
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	Brush
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	2.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	Clear
OHWM Indicators	Matted, Bent, or Absent Vegetation, Soil Character Change, Sediment Sorting		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Plunge Pools		
Observed Use			
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Low
RIGHT BANK	0.8	15 to 25% (9 to 14 deg) Steeply Sloping	Low

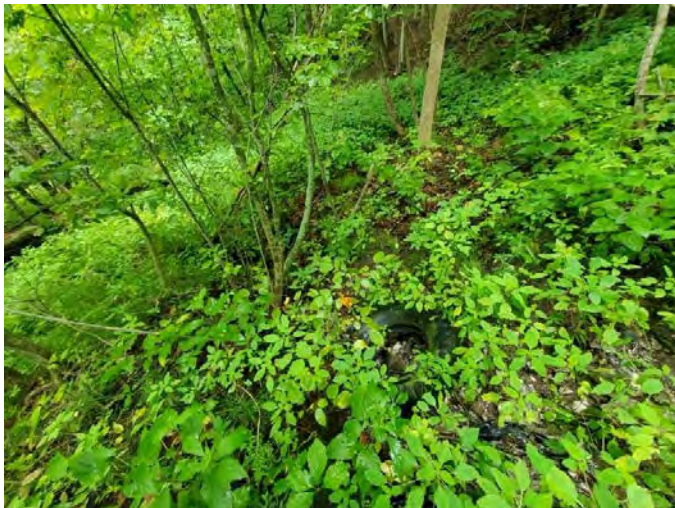
NOTES: Hillside stream, underground source

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-06

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-06	Classification	Intermittent
Stream Name		Date	2021-08-17 10:38:45
Address	579 Carlisle Road Canajoharie New York 13317 United States,		
Location Description	Northwest wooded section		
Evaluator(s)	Ethan Snyder, Cory Dunning		
Latitude, Longitude (WGS84)	42.8599404, -74.5357223		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	SE
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	7	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	5	Water Quality	Slightly Turbid
OHWM Indicators	Soil Character Change, Plant Community Change, Shelving, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Aquatic Vegetation, Overhanging Vegetation, Undercut Banks, Riffle - Pool, Plunge Pools		
Observed Use			
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	> 35% (> 20 deg) Very Steep	High
RIGHT BANK	1.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-07

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-07	Classification	Ephemeral
Stream Name	None	Date	2021-08-18 12:34:52
Address	579 Carlisle Road Canajoharie New York 13317 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Cory Dunning		
Latitude, Longitude (WGS84)	42.8592293, -74.5386852		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	NE
Average Depth	2	Perceptible Flow	Obscured
Channel Substrate	Silt/Clay, Organic	Obstruction	Brush
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	1.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1	Water Quality	Slightly Turbid
OHWM Indicators	Soil Character Change, Plant Community Change		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Aquatic Vegetation, Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-08

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-08	Classification	Intermittent
Stream Name	None-tributary to Flat Creek	Date	2021-08-17 13:54:00
Address	119 Fish and Game Club Road Canajoharie New York 13317 United States,		
Location Description	Northwest wooded section		
Evaluator(s)	Ethan Snyder, Cory Dunning		
Latitude, Longitude (WGS84)	42.858754, -74.5361652		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	NE
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	4.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Slightly Turbid
OHWM Indicators	Matted, Bent, or Absent Vegetation, Soil Character Change, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Aquatic Vegetation, Riffle - Pool, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)	Salamanders, Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	15 to 25% (9 to 14 deg) Steeply Sloping	Low
RIGHT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-09

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-EES-09	Classification	Ephemeral
Stream Name	None	Date	2021-08-19 14:36:16
Address	Canajoharie New York United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Cory Dunning		
Latitude, Longitude (WGS84)	42.8521863, -74.5411782		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Moderate	Flow Direction	NE
Average Depth	3	Perceptible Flow	Obscured
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	Brush
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	1.5	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1	Water Quality	Slightly Turbid
OHWM Indicators	Matted, Bent, or Absent Vegetation, Soil Character Change		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Aquatic Vegetation, Overhanging Vegetation, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-10

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-10	Classification	Ephemeral
Stream Name	None	Date	2021-08-26 14:42:55
Address	Canajoharie New York United States,		
Location Description	Western wooded section		
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.853727, -74.5406534		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	SE
Average Depth	0	Perceptible Flow	Obscured
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	Brush
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	2	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1.5	Water Quality	
OHWM Indicators	Soil Character Change, Plant Community Change		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.25	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.25	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-11

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-11	Classification	Intermittent
Stream Name	None	Date	2021-08-25 10:47:51
Address	718 Carlisle Road Canajoharie New York 13317 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.8540854, -74.5342443		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	E
Average Depth	3	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	Yes	Bankfull Width (ft)	7
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	3
Top of Bank (ft)	NA	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	Clear
OHWM Indicators	Soil Character Change, Scour, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Riffle - Pool, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)	Fish, Frogs, Invertebrates		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	High
RIGHT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
 CLIENT: SUNEAST PROJECT: FLAT CREEK SOLAR PROJECT
 S-EES-12, Perennial

OVERVIEW			
ID	S-EES-12	Classification	Perennial
Lat. / Long. (WGS84)	42.85357358, -74.53403525	Date	2024-04-09
Evaluators	Melanie Musarra		
Address (Approx.)	Canajoharie Montgomery County NY 13317 US		
Location Description	Within hemlock forest.		
Waterbody Name (NHD)			

STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	High	Flow Direction	NE
Average Depth (in.)	3	Probed Stream Depth	0 to 6 inches
Perceptible Flow	Yes	Obstruction	NA
Channel Substrate	Cobble/Gravel (95%), Silt/Clay (5%)	Channel Gradient	< 2% (< 1 deg) Gentle
Is floodplain present?	No	Bankfull Width (ft)	NA
Existing Water Width (ft)	5	Top of Bank (ft)	1
Ordinary High Water Mark (ft)	5	Canopy Closure (Est.)	70 to 80%
OHWM Indicators	Bed and Banks,Matted, Bent, or Absent Vegetation,Natural Line Impressed on Bank,Plant Community Change		
Water Quality	Clear	Water Quality Comments	
Aquatic Habitat	Overhanging Vegetation,Riffle - Pool		
Observed Use	Drainage		
Observed Fauna	Ephemeroptera (Mayflies),Gerridae (water striders),Plecoptera (Stoneflies),Salamanders,Snails		
RTE Species & Evidence			
Notes			

BANK PROPERTY	LEFT BANK	RIGHT BANK
HEIGHT (ft)	6	0.5
SLOPE	25 to 35% (14 to 20 deg) Steep	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping
EROSION POTENTIAL	High	Low
SUBSTRATE	Cobble/Gravel,Organic,Silt/Clay	

PHOTOS

Upstream Photo:



Downstream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-13

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-13	Classification	Ephemeral
Stream Name	None	Date	2021-08-25 13:40:57
Address	718 Carlisle Road Canajoharie New York 13317 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.8532485, -74.5335849		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	0.5	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	4	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1.5	Water Quality	Clear
OHWM Indicators	Soil Character Change, Plant Community Change, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Aquatic Vegetation, Plunge Pools		
Observed Use			
Observed Fauna(s)	Frogs, Toads		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Low
RIGHT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-14

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-14	Classification	Ephemeral
Stream Name	None	Date	2021-08-26 09:07:10
Address	718 Carlisle Road Canajoharie New York 13317 United States,		
Location Description	Western wooded area		
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.8540764, -74.5348048		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NE
Average Depth	0	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	3	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1	Water Quality	
OHWM Indicators	Matted, Bent, or Absent Vegetation, Soil Character Change, Scour		
Water Quality Comments	No water		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	1.5	15 to 25% (9 to 14 deg) Steeply Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-15

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-15	Classification	Ephemeral
Stream Name	None	Date	2021-08-30 16:44:23
Address	718 Carlisle Road Canajoharie New York 13317 United States,		
Location Description	Southwest wooded area		
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.8533176, -74.5354862		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	SE
Average Depth	0	Perceptible Flow	Obscured
Channel Substrate	Silt/Clay	Obstruction	Brush
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	1.5	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1	Water Quality	
OHWM Indicators	Soil Character Change, Plant Community Change		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)	Frogs, Toads		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.25	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.25	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-16

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-16	Classification	Ephemeral
Stream Name	None	Date	2021-09-13 15:53:25
Address	Flat Creek NY US,		
Location Description	Northcentral area		
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8454045, -74.5008048		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	SW
Average Depth	0	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	40 to 50%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	11	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	5.5	Water Quality	
OHWM Indicators	Soil Character Change, Plant Community Change		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	1.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-17

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-EES-17	Classification	Ephemeral
Stream Name	None	Date	2021-09-14 08:05:12
Address	Flat Creek NY US,		
Location Description	Central wooded area north of Flat Creek		
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8457023, -74.5015003		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Dry	Flow Direction	S
Average Depth	0	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	30 to 40%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	8	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1	Water Quality	
OHWM Indicators	Soil Character Change, Plant Community Change		
Water Quality Comments	Small puddles throughout channel		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	1.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-18

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-EES-18	Classification	Ephemeral
Stream Name	None	Date	2021-09-14 08:25:58
Address	Flat Creek NY US,		
Location Description	Central wooded area north of Flat Creek		
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8459332, -74.5029105		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Dry	Flow Direction	S
Average Depth	0	Perceptible Flow	No
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	30 to 40%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	4	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	0.75	Water Quality	
OHWM Indicators	Soil Character Change, Plant Community Change, Sediment Sorting		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Aquatic Vegetation, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-19

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-19	Classification	Ephemeral
Stream Name	None	Date	2021-09-14 08:39:36
Address	235 Flat Creek Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8462246, -74.5039191		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	S
Average Depth	0	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	30 to 40%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	7	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1.5	Water Quality	
OHWM Indicators	Soil Character Change, Plant Community Change, Bed and Banks, Sediment Sorting		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)	Toads		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-20

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-20	Classification	Ephemeral
Stream Name	None	Date	2021-09-14 13:25:31
Address	247 Flat Creek Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8435263, -74.4951004		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	SW
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	2	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1.75	Water Quality	Slightly Turbid
OHWM Indicators	Soil Character Change, Plant Community Change, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)	Frogs, Invertebrates		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.75	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.75	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES: stream flows downhill through cornfield. has been disturbed in parts by agriculture activity.

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-21

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-21	Classification	Intermittent
Stream Name	None-tributary to Flat Creek	Date	2021-09-15 09:09:49
Address	486 Flat Creek Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8433251, -74.4994511		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	SW
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	11	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	Slightly Turbid
OHWM Indicators	Scour, Shelving, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	6	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	4.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES: most likely part of stream S-EES-20

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-22

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-22	Classification	Intermittent
Stream Name	None-tributary to Flat Creek	Date	2021-09-15 10:29:19
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8423478, -74.497915		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	SW
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1.5
Top of Bank (ft)	8	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	5	Water Quality	Clear
OHWM Indicators	Soil Character Change, Disturbed/Washed-away Leaf Litter, Scour, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Boulders, Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Riffle - Pool, Plunge Pools		
Observed Use			
Observed Fauna(s)	Frogs, Toads, newts		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	2.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-23

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-23	Classification	Ephemeral
Stream Name	None	Date	2021-09-16 09:56:00
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8414927, -74.4957491		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	W
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	3	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	2	Water Quality	Slightly Turbid
OHWM Indicators	Soil Character Change, Bed and Banks, Sediment Sorting		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	fallen logs in stream		
Observed Use			
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-24

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-EES-24	Classification	Intermittent
Stream Name	None-tributary to Flat Creek	Date	2021-09-16 09:35:47
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8420073, -74.4945292		

STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Moderate	Flow Direction	SW
Average Depth	3	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	3.5
Top of Bank (ft)	8	Presumed Regulatory Authority	USACE and State
Ordinary High Water Mark (ft)	5	Water Quality	Slightly Turbid
OHWM Indicators	Soil Character Change, Scour, Bed and Banks, Sediment Sorting		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Riffle - Pool, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)	Frogs, Invertebrates		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-25

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-25	Classification	Ephemeral
Stream Name	None	Date	2021-09-16 12:30:04
Address	467 Flat Creek Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8430712, -74.4976617		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	S
Average Depth	1	Perceptible Flow	Obscured
Channel Substrate	Boulders, Cobble/Gravel	Obstruction	Brush
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	10 to 20%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	7	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Soil Character Change, Terrestrial Vegetation Destroyed, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Riffle - Pool		
Observed Use	Drainage		
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	2.5	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-26

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-26	Classification	Intermittent
Stream Name		Date	2021-09-17 10:01:56
Address	Ames New York 13317 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8319741, -74.5053892		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	NW
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	6	Presumed Regulatory Authority	USACE and State
Ordinary High Water Mark (ft)	2.5	Water Quality	Clear
OHWM Indicators	Soil Character Change, Scour, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Aquatic Vegetation, Overhanging Vegetation, Riffle - Pool		
Observed Use			
Observed Fauna(s)	Frogs, Toads, newts		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.75	15 to 25% (9 to 14 deg) Steeply Sloping	High
RIGHT BANK	0.75	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-27

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-EES-27	Classification	Intermittent
Stream Name	None	Date	2021-09-20 12:32:18
Address	Ames New York 13317 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.8327494, -74.5057665		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Dry	Flow Direction	SE
Average Depth	0	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	10	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	5	Water Quality	
OHWM Indicators	Soil Character Change, Disturbed/Washed-away Leaf Litter, Scour		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Riffle - Pool, Plunge Pools		
Observed Use			
Observed Fauna(s)	Frogs, Toads		
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	3	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-28

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-28	Classification	Intermittent
Stream Name	None-tributary to Flat Creek	Date	2021-09-20 12:18:40
Address	Ames New York 13317 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.8336491, -74.5046265		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	N
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	6	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3.5	Water Quality	Clear
OHWM Indicators	Soil Character Change, Scour, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Riffle - Pool		
Observed Use			
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	2	25 to 35% (14 to 20 deg) Steep	High

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-29

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-29	Classification	Intermittent
Stream Name	None-tributary to Flat Creek	Date	2021-09-21 10:06:44
Address	Ames New York 13317 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.8345639, -74.5046303		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	E
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Soil Character Change, Plant Community Change, Scour, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Aquatic Vegetation, Overhanging Vegetation, Undercut Banks, Riffle - Pool		
Observed Use	Drainage		
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	1	25 to 35% (14 to 20 deg) Steep	High

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-30

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-30	Classification	Ephemeral
Stream Name		Date	2021-09-21 12:36:28
Address	Ames New York 13317 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.8342233, -74.5032842		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	SE
Average Depth	0	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	8	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	
OHWM Indicators	Soil Character Change, Terrestrial Vegetation Destroyed, Disturbed/Washed-away Leaf Litter, Scour, Bed and Banks		
Water Quality Comments	Dry		
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)	Undercut Banks, Plunge Pools		
Observed Use			
Observed Fauna(s)	Toads		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	5	25 to 35% (14 to 20 deg) Steep	High
RIGHT BANK	4	15 to 25% (9 to 14 deg) Steeply Sloping	High

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-31

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-EES-31	Classification	Ephemeral
Stream Name		Date	2021-09-21 12:47:49
Address	Ames New York 13317 United States,		
Location Description			
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.8343446, -74.5035816		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	SE
Average Depth	0	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	12	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	8	Water Quality	
OHWM Indicators	Matted, Bent, or Absent Vegetation, Soil Character Change, Plant Community Change, Scour, Bed and Banks		
Water Quality Comments	Dry		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay, Organic		
Aquatic Habitat(s)	Overhanging Vegetation, Plunge Pools		
Observed Use			
Observed Fauna(s)	Toads		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3.5	15 to 25% (9 to 14 deg) Steeply Sloping	High
RIGHT BANK	4	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-EES-32

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-EES-32	Classification	Intermittent
Stream Name		Date	2021-09-21 14:50:12
Address	Ames NY,		
Location Description			
Evaluator(s)	Ethan Snyder, Abi Light		
Latitude, Longitude (WGS84)	42.8347969, -74.5020416		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Low	Flow Direction	SE
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Shale, Boulders, Cobble/Gravel	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	3
Top of Bank (ft)	9	Presumed Regulatory Authority	USACE and State
Ordinary High Water Mark (ft)	4	Water Quality	Clear
OHWM Indicators	Soil Character Change, Plant Community Change, Scour		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	4	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	5	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-IBP-01

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-IBP-01	Classification	Intermittent
Stream Name	N/A	Date	2021-09-22 13:50:52
Address	Carlisle Road Canajoharie New York 13317 United States,		
Location Description			
Evaluator(s)	Isaac Pallant, Carson Rowe		
Latitude, Longitude (WGS84)	42.8428896, -74.5116195		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay, Riprap	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1.5
Top of Bank (ft)	3.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Turbid
OHWM Indicators	Natural Line Impressed on Bank, Terrestrial Vegetation Destroyed, Shelving, Litter and Debris, Sediment Sorting, Deposition		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay, Riprap		
Aquatic Habitat(s)			
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.25	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.25	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-01

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-01	Classification	Ephemeral
Stream Name	Unnamed	Date	2021-08-31 08:25:09
Address	101-243 Flat Creek Rd Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8588132249, -74.4771581244		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	NW
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	40 to 50%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	6	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	Clear
OHWM Indicators	Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	1	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-02

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-JMP-02	Classification	Intermittent
Stream Name	Unnamed stream	Date	2021-08-30 15:28:05
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8571037051, -74.4764113283		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Low	Flow Direction	NW
Average Depth	3	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	4
Top of Bank (ft)	10	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	5	Water Quality	Clear
OHWM Indicators	Bed and Banks, Natural Line Impressed on Bank, Wrack		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Gravel Beach Bar		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	15 to 25% (9 to 14 deg) Steeply Sloping	Low
RIGHT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Low
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-03

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-03	Classification	Intermittent
Stream Name	Unnamed intermittent	Date	2021-09-01 09:47:35
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8510072721, -74.4787465651		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1.5
Top of Bank (ft)	6	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	Clear
OHWM Indicators	Bed and Banks, Natural Line Impressed on Bank		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay, Organic		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)	Toads		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Low
RIGHT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-04

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-04	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-01 14:26:01
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.849523119, -74.4767939837		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	2	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	30 to 40%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	6	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	Turbid
OHWM Indicators	Bed and Banks, Natural Line Impressed on Bank		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Undercut Banks, Mud Bar		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Low
RIGHT BANK	2.5	15 to 25% (9 to 14 deg) Steeply Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-05

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-05	Classification	Perennial
Stream Name	Lasher Creek, 876-252	Date	2021-09-02 14:15:53
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8577199864, -74.4684937115		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	6	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	Yes	Bankfull Width (ft)	20
Probed Stream Depth	6 to 12 inches	Existing Water Width (ft)	8
Top of Bank (ft)	NA	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	10	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Plant Community Change, Bed and Banks, Wrack		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay, Artificial		
Aquatic Habitat(s)	Aquatic Vegetation, Gravel Beach Bar, Riffle - Pool		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	4	15 to 25% (9 to 14 deg) Steeply Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-06

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-06	Classification	Intermittent
Stream Name	Unnamed tributary to Lasher Creek	Date	2021-09-02 14:47:43
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.857385107, -74.4683745311		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	3	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Boulders, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	30 to 40%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	8	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	Clear
OHWM Indicators	Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Boulders, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	25 to 35% (14 to 20 deg) Steep	Low
RIGHT BANK	3	25 to 35% (14 to 20 deg) Steep	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-07

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-07	Classification	Intermittent
Stream Name	Unnamed tributary to Lasher Creek	Date	2021-09-02 16:14:50
Address	800-846 NY-162 Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8581748187, -74.4686304922		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	3	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	30 to 40%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-09

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-09	Classification	Intermittent
Stream Name	Unnamed intermittent stream	Date	2021-09-08 15:06:27
Address	422 Rappa Rd Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Carson Rowe		
Latitude, Longitude (WGS84)	42.8572610221, -74.5150367171		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	W
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Boulders, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	8	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	6	Water Quality	
OHWM Indicators	Bed and Banks		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Undercut Banks		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Low
RIGHT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-10

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-JMP-10	Classification	Intermittent
Stream Name	Unnamed intermittent stream	Date	2021-09-09 11:27:07
Address	Rappa Road Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Carson Rowe		
Latitude, Longitude (WGS84)	42.8548269258, -74.5105178862		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Low	Flow Direction	NW
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	40 to 50%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Plant Community Change, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Mud Bar		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-11**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-11	Classification	Ephemeral
Stream Name	Unnamed ephemeral channel	Date	2021-09-10 09:44:37
Address	Sprakers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Carson Rowe		
Latitude, Longitude (WGS84)	42.8398202306, -74.4903462693		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	Yes	Bankfull Width (ft)	75
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	NA	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	
OHWM Indicators	Bed and Banks		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Silt/Clay, Cobble/Gravel		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	25 to 35% (14 to 20 deg) Steep	Moderate
RIGHT BANK	3	25 to 35% (14 to 20 deg) Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-12

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-12	Classification	Ephemeral
Stream Name	Unnamed ephemeral channel	Date	2021-09-10 10:00:04
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Carson Rowe		
Latitude, Longitude (WGS84)	42.8400105407, -74.4903283807		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NW
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	Yes	Bankfull Width (ft)	60
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	NA	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	
OHWM Indicators	Bed and Banks		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)			
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	5	25 to 35% (14 to 20 deg) Steep	Moderate
RIGHT BANK	1.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-13**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-13	Classification	Intermittent
Stream Name	Unnamed intermittent tributary	Date	2021-09-10 10:26:36
Address	Sprakers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Carson Rowe		
Latitude, Longitude (WGS84)	42.8399851769, -74.4936221747		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	> 10% (> 6 deg) Very Steep	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	12	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	7	Water Quality	
OHWM Indicators	Litter and Debris, Bed and Banks, Natural Line Impressed on Bank, Deposition, Scour		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)			
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	4	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	3	> 35% (> 20 deg) Very Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-14

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-14	Classification	Ephemeral
Stream Name	Unnamed ephemeral channel	Date	2021-09-10 11:04:25
Address	Sprakers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Carson Rowe		
Latitude, Longitude (WGS84)	42.8404283093, -74.4955937646		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NW
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	Yes	Bankfull Width (ft)	70
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	NA	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	
OHWM Indicators	Bed and Banks, Deposition, Disturbed/Washed-away Leaf Litter		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	2.5	> 35% (> 20 deg) Very Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-15**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-15	Classification	Perennial
Stream Name	Perennial tributary to Flat Creek, 876-259	Date	2021-09-10 12:17:40
Address	Sprakers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Carson Rowe		
Latitude, Longitude (WGS84)	42.8400534168, -74.4937739077		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	6	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Boulders, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	Yes	Bankfull Width (ft)	120
Probed Stream Depth	6 to 12 inches	Existing Water Width (ft)	4
Top of Bank (ft)	NA	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	12	Water Quality	Clear
OHWM Indicators	Bed and Banks, Sediment Sorting, Shelving, Natural Line Impressed on Bank, Scour		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Gravel Beach Bar, Mud Bar, Riffle - Pool, Plunge Pools, Aquatic Vegetation		
Observed Use			
Observed Fauna(s)	Fish, Frogs, Invertebrates		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	15	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	2.5	25 to 35% (14 to 20 deg) Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-16

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-16	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-10 13:21:14
Address	Sprakers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Carson Rowe		
Latitude, Longitude (WGS84)	42.8407419352, -74.4926708883		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	15	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Bed and Banks, Scour, Natural Line Impressed on Bank		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Undercut Banks		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	6	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	6	> 35% (> 20 deg) Very Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-17**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-17	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-10 13:41:47
Address	Sprakers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Carson Rowe		
Latitude, Longitude (WGS84)	42.840489792, -74.4922604836		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	2	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	9	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Slightly Turbid
OHWM Indicators	Bed and Banks, Scour		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	25 to 35% (14 to 20 deg) Steep	Moderate
RIGHT BANK	4	25 to 35% (14 to 20 deg) Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-18**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-18	Classification	Intermittent
Stream Name	Unnamed intermittent tributary to Flat Creek	Date	2021-09-10 14:07:52
Address	Sprakers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Carson Rowe		
Latitude, Longitude (WGS84)	42.8407101602, -74.4913398285		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	3	Perceptible Flow	Yes
Channel Substrate	Boulders, Silt/Clay, Cobble/Gravel, Sand	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	3
Top of Bank (ft)	14	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	7	Water Quality	Clear
OHWM Indicators	Bed and Banks, Deposition, Natural Line Impressed on Bank, Scour, Shelving		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Undercut Banks, Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2.5	15 to 25% (9 to 14 deg) Steeply Sloping	Low
RIGHT BANK	4	25 to 35% (14 to 20 deg) Steep	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-19

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-19	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-13 14:33:27
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8406426713, -74.4909163197		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	NW
Average Depth	1	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay, Organic	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	8	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	Turbid
OHWM Indicators	Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)			
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	1.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-20

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-20	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-13 14:48:19
Address	Sprakers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8406922465, -74.4909810936		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	W
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	> 10% (> 6 deg) Very Steep	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	10	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	
OHWM Indicators	Bed and Banks		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Silt/Clay, Cobble/Gravel, Organic		
Aquatic Habitat(s)			
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	5	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	5	> 35% (> 20 deg) Very Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-21

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-21	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-14 11:08:28
Address	Carlisle Road Sprkers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.841679626, -74.4983145211		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	W
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	3	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1.5	Water Quality	
OHWM Indicators	Bed and Banks		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-22

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-22	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-14 11:44:40
Address	Carlisle Road Sprakers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8400934049, -74.4969076222		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	> 10% (> 6 deg) Very Steep	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	Very Turbid
OHWM Indicators	Bed and Banks, Scour, Natural Line Impressed on Bank		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)			
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2.5	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	2	> 35% (> 20 deg) Very Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-23

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-23	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-14 12:04:39
Address	Carlisle Road Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.83843644, -74.4955153231		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	SW
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay, Sand	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1.5
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	Clear
OHWM Indicators	Bed and Banks, Deposition, Natural Line Impressed on Bank		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)			
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3.5	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	3.5	> 35% (> 20 deg) Very Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-24

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-24	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-14 13:23:36
Address			
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8363831717, -74.4937199798		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	SW
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Sand, Silt/Clay, Boulders	Obstruction	NA
Channel Gradient	> 10% (> 6 deg) Very Steep	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	
OHWM Indicators	Bed and Banks, Natural Line Impressed on Bank		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	25 to 35% (14 to 20 deg) Steep	Moderate
RIGHT BANK	2	25 to 35% (14 to 20 deg) Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-25**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-25	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-14 13:33:02
Address	Flat Creek New York,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8357025819, -74.4927313598		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NW
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	> 10% (> 6 deg) Very Steep	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	3	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1.5	Water Quality	
OHWM Indicators	Bed and Banks, Natural Line Impressed on Bank		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)			
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	1.5	> 35% (> 20 deg) Very Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-26

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-26	Classification	Ephemeral
Stream Name	Unnamed ephemeral stream	Date	2021-09-14 13:40:11
Address	Flat Creek New York,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.835778875, -74.4927912492		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NW
Average Depth	0	Perceptible Flow	No
Channel Substrate	Boulders, Cobble/Gravel, Sand, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	90 to 100%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	8	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	
OHWM Indicators	Bed and Banks, Natural Line Impressed on Bank, Scour		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)			
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	3	> 35% (> 20 deg) Very Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-27

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-JMP-27	Classification	Perennial
Stream Name	Flat Creek, 876-258	Date	2021-09-14 14:25:41
Address	Carlisle Road Flat Creek New York,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.835536, -74.495602		

STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Moderate	Flow Direction	E
Average Depth	8	Perceptible Flow	Yes
Channel Substrate	Boulders, Silt/Clay, Cobble/Gravel, Sand	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	6 to 12 inches	Existing Water Width (ft)	25
Top of Bank (ft)	35	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	30	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Scour, Bed and Banks, Sediment Sorting		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay, Boulders		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool		
Observed Use			
Observed Fauna(s)	Invertebrates		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	6	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	4	25 to 35% (14 to 20 deg) Steep	Moderate

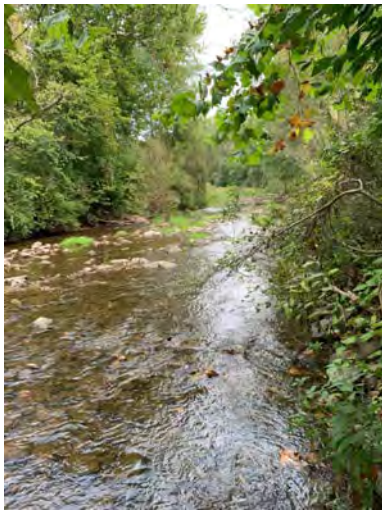
NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-JMP-28

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-JMP-28	Classification	Intermittent
Stream Name	Unnamed intermittent stream	Date	2021-09-16 11:34:04
Address	392-426 Rappa Rd Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8561771032, -74.5121219035		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	N
Average Depth	6	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	3	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	Slightly Turbid
OHWM Indicators	Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Cobble/Gravel		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Heavy precipitation 2 days prior to data plot collection



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-01

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-01	Classification	Intermittent
Stream Name	Tributary to unnamed NYSDEC Class C stream	Date	2021-08-16 11:41:42
Address	Canalway Trail- Erie Canal Trail Sprakers New York 12166 United States,		
Location Description	Incised portion of forested slope		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8908214453, -74.4967630612		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Boulders, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	1.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	
OHWM Indicators	Natural Line Impressed on Bank, Disturbed/Washed-away Leaf Litter, Scour, Shelving, Bed and Banks, Litter and Debris		
Water Quality Comments	No water in stream		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool, Plunge Pools		
Observed Use	None		
Observed Fauna(s)	None		
RTE Present?	Unknown	RTE Species & Evidence	N/A

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	1	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-02

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-02	Classification	Ephemeral
Stream Name	None	Date	2021-08-16 11:32:35
Address	Canalway Trail- Erie Canal Trail Sprakers New York 12166 United States,		
Location Description	Incised portion of forested area		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8908407752, -74.4966038408		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	0.5	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	2	Water Quality	
OHWM Indicators	Natural Line Impressed on Bank, Disturbed/Washed-away Leaf Litter, Scour		
Water Quality Comments	No water observed		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	None		
Observed Fauna(s)	None		
RTE Present?	Unknown	RTE Species & Evidence	N/A

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-03**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-03	Classification	Intermittent
Stream Name	None-tributary to unnamed NYSDEC Class C stream	Date	2021-08-16 14:45:36
Address	Canalway Trail- Erie Canal Trail Sprakers New York 12166 United States,		
Location Description	Deeply incised portion of forested area		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.89199923, -74.4974807447		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	S
Average Depth	9	Perceptible Flow	No
Channel Substrate	Boulders, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	15	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	8	Water Quality	
OHWM Indicators	Natural Line Impressed on Bank, Soil Character Change, Disturbed/Washed-away Leaf Litter, Scour, Shelving, Bed and Banks, Litter and Debris, Sediment Sorting, Deposition		
Water Quality Comments	No water observed		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool, Plunge Pools		
Observed Use	None		
Observed Fauna(s)	None		
RTE Present?	Unknown	RTE Species & Evidence	N/A

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	25 to 35% (14 to 20 deg) Steep	Moderate
RIGHT BANK	1	25 to 35% (14 to 20 deg) Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-4

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-4	Classification	Ephemeral
Stream Name		Date	2021-08-17 09:51:08
Address	Unnamed Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Kevin Ferguson, Abi Light		
Latitude, Longitude (WGS84)	42.8885157, -74.4955526		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	3	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	3	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	3	Water Quality	
OHWM Indicators	Disturbed/Washed-away Leaf Litter		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool		
Observed Use			
Observed Fauna(s)			
RTE Present?		RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	1.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-05**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-05	Classification	Intermittent
Stream Name	unnamed intermittent stream	Date	2021-08-17 10:01:39
Address	Unnamed Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Kevin Ferguson, Abi Light		
Latitude, Longitude (WGS84)	42.888249, -74.4957195		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	Yes	Bankfull Width (ft)	4
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	4
Top of Bank (ft)	NA	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	4	Water Quality	Turbid
OHWM Indicators	Disturbed/Washed-away Leaf Litter		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?		RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	1	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-06

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-06	Classification	Ephemeral
Stream Name		Date	2021-08-17 12:41:34
Address	Unnamed Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Kevin Ferguson, Abi Light		
Latitude, Longitude (WGS84)	42.8882393, -74.4952685		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	3	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	5	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	4	Water Quality	
OHWM Indicators	Disturbed/Washed-away Leaf Litter, Litter and Debris		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?		RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Moderate
RIGHT BANK	2	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-08

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-08	Classification	Ephemeral
Stream Name		Date	2021-08-17 13:27:38
Address	Unnamed Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Kevin Ferguson, Abi Light		
Latitude, Longitude (WGS84)	42.889355, -74.4952396		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	40 to 50%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	4	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	3	Water Quality	
OHWM Indicators	Disturbed/Washed-away Leaf Litter		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool		
Observed Use			
Observed Fauna(s)			
RTE Present?		RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	1.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-09

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-09	Classification	Ephemeral
Stream Name		Date	2021-08-17 13:52:17
Address	Unnamed Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Kevin Ferguson, Abi Light		
Latitude, Longitude (WGS84)	42.8898286, -74.4950433		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Boulders, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	30 to 40%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	5	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	4	Water Quality	
OHWM Indicators	Disturbed/Washed-away Leaf Litter		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	2	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-10

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-10	Classification	Ephemeral
Stream Name	Tributary to unnamed NYSDEC Class C stream	Date	2021-08-18 07:34:34
Address	Canalway Trail- Erie Canal Trail Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8907677, -74.4956649		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	2	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	2	Water Quality	
OHWM Indicators	Disturbed/Washed-away Leaf Litter		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?		RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-11

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-KCF-11	Classification	Intermittent
Stream Name	Tributary to unnamed NYSDEC Class C stream	Date	2021-08-18 08:03:52
Address	Canalway Trail- Erie Canal Trail Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8916478, -74.4961036		

STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Low	Flow Direction	N
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Boulders, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	3
Top of Bank (ft)	3	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	3	Water Quality	Slightly Turbid
OHWM Indicators	Disturbed/Washed-away Leaf Litter		
Water Quality Comments	It just rained a lot		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Plunge Pools		
Observed Use			
Observed Fauna(s)			
RTE Present?		RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	2	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-12**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-12	Classification	Perennial
Stream Name	Unnamed NYSDEC Class C stream	Date	2021-08-18 10:08:22
Address	Sprakers NY 12166 US,		
Location Description	Deep valley		
Evaluator(s)	Kevin Ferguson, Ben Carrigan		
Latitude, Longitude (WGS84)	42.8898132546, -74.5019757003		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	N
Average Depth	8	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Boulders	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	6
Top of Bank (ft)	22	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	20	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Matted, Bent, or Absent Vegetation, Soil Character Change, Multiple Observed Flow Events, Scour, Water Staining, Shelving, Bed and Banks, Litter and Debris, Sediment Sorting, Deposition, Wrack, Disturbed/Washed-away Leaf Litter		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Gravel Beach Bar, Sand Bar, Riffle - Pool, Plunge Pools		
Observed Use			
Observed Fauna(s)	Frogs		
RTE Present?	No	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	> 35% (> 20 deg) Very Steep	Moderate
RIGHT BANK	3	> 35% (> 20 deg) Very Steep	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-13

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-13	Classification	Intermittent
Stream Name	Tributary to unnamed NYSDEC Class C stream	Date	2021-08-18 12:47:15
Address	Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.886607, -74.4989975		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	
OHWM Indicators	Disturbed/Washed-away Leaf Litter		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?		RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-14**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-14	Classification	Intermittent
Stream Name	None-Tributary to unnamed NYSDEC Class C stream	Date	2021-08-19 07:45:15
Address	Unnamed Road Sprakers New York 12166 United States,		
Location Description	Incised portion of valley in forested area		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8884659, -74.5009845		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	High	Flow Direction	N
Average Depth	6	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	8
Top of Bank (ft)	18	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	8	Water Quality	Turbid
OHWM Indicators	Natural Line Impressed on Bank, Matted, Bent, or Absent Vegetation, Disturbed/Washed-away Leaf Litter, Scour, Litter and Debris, Wrack		
Water Quality Comments	Currently experiencing rain		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Gravel Beach Bar, Riffle - Pool, Plunge Pools		
Observed Use			
Observed Fauna(s)	none		
RTE Present?	Unknown	RTE Species & Evidence	None

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	5	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-15**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-15	Classification	Intermittent
Stream Name	None-Tributary to unnamed NYSDEC Class C stream	Date	2021-08-19 13:08:19
Address	Sprakers NY 12166 US,		
Location Description	Incised channel in forested area		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Carrigan		
Latitude, Longitude (WGS84)	42.8858087166, -74.5011995361		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	N
Average Depth	6	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Sand, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	4.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	Slightly Turbid
OHWM Indicators	Natural Line Impressed on Bank, Disturbed/Washed-away Leaf Litter, Scour, Bed and Banks, Sediment Sorting, Deposition, Wrack		
Water Quality Comments	Recent heavy precipitation		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool		
Observed Use	None		
Observed Fauna(s)	Frogs		
RTE Present?	Unknown	RTE Species & Evidence	N/A

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-16**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-16	Classification	Intermittent
Stream Name	None-tributary to unnamed NYSDEC Class C stream	Date	2021-08-19 13:16:02
Address	Sprakers New York 12166 United States,		
Location Description	Incised within valley		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8860654, -74.5002153		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	N
Average Depth	3	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	3
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Slightly Turbid
OHWM Indicators	Disturbed/Washed-away Leaf Litter, Scour, Litter and Debris		
Water Quality Comments	Experienced heavy rain		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Moderate
RIGHT BANK	1	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-17

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-KCF-17	Classification	Ephemeral
Stream Name	None	Date	2021-08-19 12:17:50
Address	Cunningham Road Canajoharie New York 13317 United States,		
Location Description	Roadside scour in herbaceous area		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.886098, -74.498553		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Low	Flow Direction	E
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	4	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	2	Water Quality	Turbid
OHWM Indicators	Disturbed/Washed-away Leaf Litter, Scour		
Water Quality Comments	Rain event ongoing		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	No	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	1.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-18

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-18	Classification	Ephemeral
Stream Name	None	Date	2021-08-19 13:04:45
Address	Sprakers New York 12166 United States,		
Location Description	Flows from headcut between steep banks		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.886205, -74.500306		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	4	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	2	Water Quality	Slightly Turbid
OHWM Indicators	Disturbed/Washed-away Leaf Litter, Scour, Litter and Debris		
Water Quality Comments	Experiencing heavy rain		
Bank Substrate(s)	Cobble/Gravel, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	4	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	4	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-19

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-19	Classification	Intermittent
Stream Name	None-Unnamed NYSDEC Class C stream	Date	2021-08-20 08:10:46
Address	Sprakers NY 12166 US,		
Location Description	Incised portion of forested area adjacent to fields		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8870784492, -74.4972271845		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	NW
Average Depth	4	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Turbid
OHWM Indicators	Natural Line Impressed on Bank, Disturbed/Washed-away Leaf Litter, Scour, Sediment Sorting, Deposition, Wrack		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool		
Observed Use	None		
Observed Fauna(s)	None		
RTE Present?	Unknown	RTE Species & Evidence	N/A

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-20

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-20	Classification	Ephemeral
Stream Name	None	Date	2021-08-20 08:11:30
Address	Unnamed Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.88717, -74.4973641		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	3
Top of Bank (ft)	4	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	3	Water Quality	Slightly Turbid
OHWM Indicators	Disturbed/Washed-away Leaf Litter, Scour		
Water Quality Comments	Experienced rain this week		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	1	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-21

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-21	Classification	Ephemeral
Stream Name		Date	2021-08-20 08:33:14
Address	Cunningham Road Canajoharie New York 13317 United States,		
Location Description	Incised within hedgerow		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.886805, -74.496306		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	40 to 50%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	3
Top of Bank (ft)	4	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	4	Water Quality	Slightly Turbid
OHWM Indicators	Disturbed/Washed-away Leaf Litter, Scour		
Water Quality Comments	Experienced rain this week		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Riffle - Pool		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	1	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-22

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-22	Classification	Intermittent
Stream Name	None-tributary to NYSDEC Class C stream	Date	2021-08-20 10:59:06
Address	Unnamed Road Sprakers New York 12166 United States,		
Location Description			
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.888878, -74.4994916		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	2	Perceptible Flow	No
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	6	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	6	Water Quality	
OHWM Indicators	Disturbed/Washed-away Leaf Litter, Scour, Litter and Debris		
Water Quality Comments			
Bank Substrate(s)	Boulders, Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	2	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-23

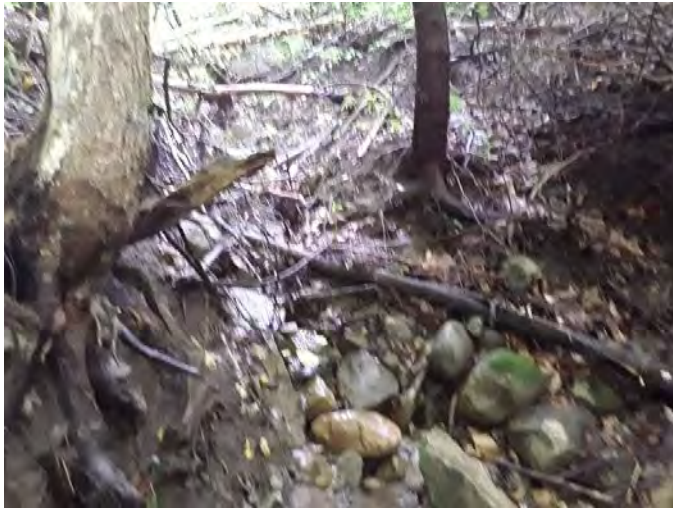
CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-KCF-23	Classification	Ephemeral
Stream Name	None	Date	2021-08-20 11:36:26
Address	212 Monk Road Sprakers New York 12166 United States,		
Location Description	Incised within valley		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.888667, -74.499948		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Low	Flow Direction	NW
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	90 to 100%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	3
Top of Bank (ft)	10	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	6	Water Quality	Slightly Turbid
OHWM Indicators	Terrestrial Vegetation Destroyed, Disturbed/Washed-away Leaf Litter, Scour		
Water Quality Comments	Rain events this week		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	4	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	5	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-KCF-24

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-KCF-24	Classification	Ephemeral
Stream Name	None	Date	2021-08-20 13:31:20
Address	Sprakers New York 12166 United States,		
Location Description	Flows down hillside		
Evaluator(s)	Kevin Ferguson, __OTHER__, Brian Corrigan		
Latitude, Longitude (WGS84)	42.8879993, -74.5020647		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NW
Average Depth	0	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	3	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	0	Water Quality	
OHWM Indicators	Disturbed/Washed-away Leaf Litter, Scour		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)			
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: No ohw, just had rain and there is no water flowing

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
 CLIENT: SUNEAST PROJECT: FLAT CREEK SOLAR PROJECT
 S-MLM-01, Intermittent

PLOT OVERVIEW			
ID	S-MLM-01	Classification	Intermittent
Waterbody Name		Date	2022-07-11 10:57:46
Evaluators	Melanie Musarra		
Address (Approx.)	Sprakers Montgomery County NY 12166 US		
Location Description	Within PFO wetland		
Lat. / Long. (WGS84)	42.8437235701, -74.4599413656		

STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Dry	Flow Direction	E
Average Depth (in.)	0	Probed Stream Depth	0 to 6 inches
Perceptible Flow	Yes	Obstruction	NA
Channel Substrate	Silt/Clay	Channel Gradient	< 2% (< 1 deg) Gentle
Is floodplain present?	no	Bankfull Width (ft)	NA
Existing Water Width (ft)	0	Top of Bank (ft)	0.6
Water Quality		Presumed Regulatory Authority	USACE
Ordinary High Water Mark (ft)	5	Canopy Closure (Est.)	90 to 100%
OHWM Indicators	Disturbed/Washed-away Leaf Litter,Matted, Bent, or Absent Vegetation,Natural Line Impressed on Bank		
Water Quality Comments			
Bank Substrate	Silt/Clay		
Aquatic Habitat	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna			
RTE Species & Evidence			
Notes			

	BANK HEIGHT (ft)	BANK SLOPE	BANK EROSION POTENTIAL
Left Bank	0.6	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
Right Bank	0.6	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

PHOTOS

Upstream Photo:



Downstream Photo:



Across Stream/Waterbody Photo:





STREAM AND WATERBODY INVENTORY
CLIENT: SUNEAST PROJECT: FLAT CREEK SOLAR PROJECT
S-MLM-02, Intermittent

PLOT OVERVIEW			
ID	S-MLM-02	Classification	Intermittent
Waterbody Name		Date	2022-07-11 11:05:57
Evaluators	Melanie Musarra		
Address (Approx.)	Sprakers Montgomery County NY 12166 US		
Location Description	Within PFO wetland		
Lat. / Long. (WGS84)	42.8438588333, -74.4600776667		

STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Dry	Flow Direction	E
Average Depth (in.)	0	Probed Stream Depth	0 to 6 inches
Perceptible Flow	Yes	Obstruction	NA
Channel Substrate	Cobble/Gravel,Silt/Clay	Channel Gradient	< 2% (< 1 deg) Gentle
Is floodplain present?	no	Bankfull Width (ft)	NA
Existing Water Width (ft)	0	Top of Bank (ft)	1
Water Quality		Presumed Regulatory Authority	USACE
Ordinary High Water Mark (ft)	5	Canopy Closure (Est.)	90 to 100%
OHWM Indicators	Bed and Banks,Disturbed/Washed-away Leaf Litter,Matted, Bent, or Absent Vegetation,Natural Line Impressed on Bank,Scour		
Water Quality Comments			
Bank Substrate	Cobble/Gravel,Organic,Silt/Clay		
Aquatic Habitat	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna			
RTE Species & Evidence			
Notes			

	BANK HEIGHT (ft)	BANK SLOPE	BANK EROSION POTENTIAL
Left Bank	0.6	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
Right Bank	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

PHOTOS

Upstream Photo:



Downstream Photo:



Across Stream/Waterbody Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-01

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-01	Classification	Intermittent
Stream Name	N/A	Date	2021-08-25 08:18:57
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8675703239, -74.4788688049		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	40 to 50%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	3	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Ash, jewelweed, poison ivy



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-02**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-02	Classification	Intermittent
Stream Name	N/A	Date	2021-08-25 08:25:22
Address	665 NY-162 Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8678857349, -74.4790863153		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	2.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use			
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Sugar maple, jewelweed, hemlock



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-03

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-03	Classification	Intermittent
Stream Name	N/A	Date	2021-08-25 10:08:59
Address	665 NY-162 Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8716978245, -74.4778616355		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	NW
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	3	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks, Plant Community Change		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Hickory, sugar maple, jewelweed, oak



STREAM / WATERBODY PHOTO(S)

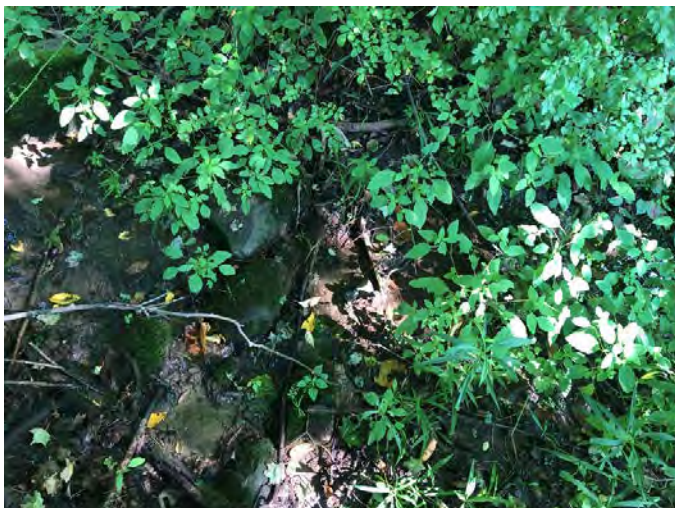
Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-04

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-04	Classification	Intermittent
Stream Name	Minor Tribs to Mohawk River, 876-253	Date	2021-08-25 10:27:16
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8712496441, -74.4772775844		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	NW
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2.5
Top of Bank (ft)	6	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	1.5	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES: Hemlock, maple, jewelweed, goldenrod

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-05**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-05	Classification	Intermittent
Stream Name	Minor Tribs to Mohawk River, 876-253	Date	2021-08-25 11:16:08
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8705367412, -74.4750336963		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2.5	Water Quality	Slightly Turbid
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES: Hemlock, hickory, ferns



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-06**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-06	Classification	Intermittent
Stream Name	N/A	Date	2021-08-25 13:08:55
Address	711 NY-162 Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8652865854, -74.477808326		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	SW
Average Depth	1	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES: Honeysuckle, dogwood, grape vine, aspen

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-07

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-07	Classification	Ephemeral
Stream Name	N/A	Date	2021-08-26 09:47:49
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8615005687, -74.476878522		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	S
Average Depth	0	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	3	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	
OHWM Indicators	Natural Line Impressed on Bank		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Hawthorne, dogwood, goldenrod

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-08

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-NSD-08	Classification	Perennial
Stream Name	N/A	Date	2021-08-26 11:12:58
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8616678715, -74.4808520471		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Moderate	Flow Direction	N
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2.5
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Plant Community Change, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
NOTES: Reed canary, corn, Timothy grass, grape vines			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-09**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-09	Classification	Perennial
Stream Name	Minor Tribs to Mohawk River, 876-253	Date	2021-08-26 12:58:32
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8641847894, -74.4841464703		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	N
Average Depth	3	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	4
Top of Bank (ft)	6	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	13	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES: Goldenrod, nettle, jewelweed, Norway spruce

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-10

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-10	Classification	Ephemeral
Stream Name	N/A	Date	2021-08-26 14:17:04
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.861869582, -74.4845329598		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	E
Average Depth	1	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	1.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Hog peanut, clearweed



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-11

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-11	Classification	Intermittent
Stream Name	N/A	Date	2021-08-26 14:51:40
Address	174 Flat Creek Rd Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.862533303, -74.4874289912		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	E
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Sand, Cobble/Gravel	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	3	15 to 25% (9 to 14 deg) Steeply Sloping	Low

NOTES: Hawthorne, dogwood, corn, jewelweed

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-12**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-12	Classification	Ephemeral
Stream Name	N/A	Date	2021-08-27 08:02:42
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8610961419, -74.4769204315		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES: Ash, dogwood, buckthorn, Virginia creeper

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-13**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-13	Classification	Ephemeral
Stream Name	N/A	Date	2021-08-27 08:58:04
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8617693764, -74.4837491681		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	2	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Asters, creeping Jenny, boneset

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-14**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-NSD-14	Classification	Perennial
Stream Name	Lasher Creek, 876-252	Date	2021-09-08 11:51:01
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8641426284, -74.4841975999		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Moderate	Flow Direction	NW
Average Depth	8	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Sand	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	10 to 20%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	5
Top of Bank (ft)	10	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	7	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks, Wrack		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2.5	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
NOTES: Jewelweed, goldenrod, nettle, white ash			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-15**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-15	Classification	Intermittent
Stream Name	N/A	Date	2021-09-08 13:02:46
Address	Sprakers NY 12166 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8648206406, -74.4864194748		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	3.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES: Goldenrod, basswood, white ash, honeysuckle



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-16

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-16	Classification	Intermittent
Stream Name	N/A	Date	2021-09-09 12:00:33
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8428928694, -74.5269038995		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	E
Average Depth	1	Perceptible Flow	No
Channel Substrate	Silt/Clay, Cobble/Gravel	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	10 to 20%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	2	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Boxelder, goldenrod, jewelweed, grape vine



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-17**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-17	Classification	Intermittent
Stream Name	N/A	Date	2021-09-09 13:37:55
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8398045572, -74.5248453879		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	E
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	3	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES: Cottonwood, elm, black cherry, buckthorn, jewelweed, sensitive fern

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-18**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-NSD-18	Classification	Ephemeral
Stream Name	N/A	Date	2021-09-10 09:18:27
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8407824738, -74.5336672571		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Dry	Flow Direction	N
Average Depth	1	Perceptible Flow	No
Channel Substrate	Silt/Clay, Cobble/Gravel	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	2.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	2.5	25 to 35% (14 to 20 deg) Steep	High
NOTES: Hemlock, sugar maple, Christmas fern			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-19**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-19	Classification	Intermittent
Stream Name	N/A	Date	2021-09-10 12:05:34
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8441587463, -74.5322156791		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	E
Average Depth	1	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	1	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	0.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES: Willow, dogwood, rose ,rice cutgrass

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-20

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-NSD-20	Classification	Intermittent
Stream Name	N/A	Date	2021-09-10 14:02:15
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8424194595, -74.5333451406		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Low	Flow Direction	N
Average Depth	1	Perceptible Flow	No
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	30 to 40%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	3	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
NOTES: Willow, cottonwood, honeysuckle, sensitive fern			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-21**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-21	Classification	Intermittent
Stream Name	N/A	Date	2021-09-13 12:15:48
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8424871015, -74.5394274686		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	NW
Average Depth	1	Perceptible Flow	No
Channel Substrate	Cobble/Gravel	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	2.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-22**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-NSD-22	Classification	Intermittent
Stream Name	N/A	Date	2021-09-13 13:52:43
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8441215307, -74.5394135547		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Moderate	Flow Direction	NE
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2.5
Top of Bank (ft)	3.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
NOTES: Sensitive fern, dogwood, willow			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-23

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-NSD-23	Classification	Intermittent
Stream Name	Flat Creek and tribs, 876-259	Date	2021-09-14 08:55:47
Address	300-370 Conway Rd Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8445865168, -74.5261257236		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Moderate	Flow Direction	N
Average Depth	3	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	10 to 20%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2.5
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
NOTES: Ash, honeysuckle, jewelweed, goldenrod			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-24**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-24	Classification	Intermittent
Stream Name	N/A	Date	2021-09-14 13:43:00
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8455597815, -74.5218630229		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	10 to 20%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	2	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Dogwood, grape vine, jewelweed,



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-25

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-25	Classification	Intermittent
Stream Name	876-259, Flat Creek and tribs	Date	2021-09-14 15:05:01
Address	800-898 Carlisle Rd Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8470544424, -74.5161246882		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	NW
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	20 to 30%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2.5
Top of Bank (ft)	5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	13	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Honeysuckle, buckthorn, bedstraw, rubus

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-26**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-26	Classification	Intermittent
Stream Name	Flat Creek and tribs, 876-259	Date	2021-09-15 08:28:48
Address	500-598 Conway Rd Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8444333794, -74.5167193004		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	W
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	3.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)			
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES: Vervain, clover, grasses, horsetail



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-27**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-27	Classification	Ephemeral
Stream Name	N/A	Date	2021-09-15 10:50:38
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8423563981, -74.5167720742		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	10 to 20%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0
Top of Bank (ft)	2	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1	Water Quality	
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Low

NOTES: Dogwood, honeysuckle, ash, goldenrod

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-28

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-28	Classification	Intermittent
Stream Name	N/A	Date	2021-09-16 08:34:41
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8410212743, -74.518549908		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	30 to 40%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	2.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES: Buckthorn, dogwood, goldenrod, ash

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-29

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-NSD-29	Classification	Intermittent
Stream Name	N/A	Date	2021-09-16 11:27:14
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.838378083, -74.5165007003		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Moderate	Flow Direction	N
Average Depth	3	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	3.5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
NOTES: Hemlock, musclewood, basswood, sensitive fern, jewelweed			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-30

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-NSD-30	Classification	Ephemeral
Stream Name	N/A	Date	2021-09-16 14:36:39
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8418007074, -74.514989527		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	50 to 60%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	0.5
Top of Bank (ft)	2	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate
RIGHT BANK	1	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES: Elm, buckthorn, goldenrod, homeysuckle



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-NSD-31**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-NSD-31	Classification	Intermittent
Stream Name		Date	2021-09-17 09:31:25
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Nick DeJohn, Carson Rowe		
Latitude, Longitude (WGS84)	42.8433485935, -74.5102288575		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Low	Flow Direction	N
Average Depth	2	Perceptible Flow	Obscured
Channel Substrate	Cobble/Gravel	Obstruction	Brush
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	0 to 10%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2.5
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3.5	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Cobble/Gravel		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
NOTES: Thistle, goldenrod, mullein, grasses			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-01

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-RDS-01	Classification	Intermittent
Stream Name	Flat Creek and tribs., 876-259	Date	2021-09-07 13:57:09
Address	Ames New York 13317 United States,		
Location Description			
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.84027349847289, -74.51472658663988		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Dry	Flow Direction	N
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Boulders, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	
OHWM Indicators	Plant Community Change, Bed and Banks, Soil Character Change		
Water Quality Comments	No water in channel		
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)			
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	2	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-02

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW			
Stream/Water ID	S-RDS-02	Classification	Ephemeral
Stream Name	N/A	Date	2021-09-07 15:18:35
Address	Canajoharie NY 13317 US,		
Location Description	Connects to S1		
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.8381963004, -74.5153973165		
STREAM / WATERBODY CHARACTERISTICS			
Flow Stage	Dry	Flow Direction	NE
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	90 to 100%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	3	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1	Water Quality	
OHWM Indicators	Bed and Banks, Terrestrial Vegetation Destroyed		
Water Quality Comments	no flowing water in channel		
Bank Substrate(s)	Organic, Silt/Clay		
Aquatic Habitat(s)			
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	
Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	> 35% (> 20 deg) Very Steep	High
RIGHT BANK	3	> 35% (> 20 deg) Very Steep	High
NOTES:			

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-03

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-03	Classification	Ephemeral
Stream Name	N/A	Date	2021-09-07 15:49:55
Address	Canajoharie NY 13317 US,		
Location Description	Connects to S1		
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.8393878335, -74.5153238852		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	E
Average Depth	0	Perceptible Flow	No
Channel Substrate	Cobble/Gravel	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	3	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	2	Water Quality	
OHWM Indicators	Bed and Banks, Plant Community Change		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)			
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	High
RIGHT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	High

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-04

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-04	Classification	Ephemeral
Stream Name	N/A	Date	2021-09-07 16:12:41
Address	Canajoharie NY 13317 US,		
Location Description			
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.8394655431, -74.5153064951		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	NW
Average Depth	0	Perceptible Flow	No
Channel Substrate	Silt/Clay, Cobble/Gravel	Obstruction	NA
Channel Gradient	4 to 10% (2 to 6 deg) Steep	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	
OHWM Indicators	Bed and Banks, Plant Community Change		
Water Quality Comments	no water in channel		
Bank Substrate(s)	Silt/Clay		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	25 to 35% (14 to 20 deg) Steep	High
RIGHT BANK	2	25 to 35% (14 to 20 deg) Steep	High

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-05

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-05	Classification	Perennial
Stream Name	Flat Creek and tribs, 876-259	Date	2021-09-08 12:03:31
Address	,		
Location Description			
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.8292549275, -74.4877193784		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	NE
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	40 to 50%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	3
Top of Bank (ft)	5	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	4	Water Quality	Clear
OHWM Indicators	Soil Character Change, Terrestrial Vegetation Destroyed, Plant Community Change, Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)	Riffle - Pool, Plunge Pools		
Observed Use	Drainage		
Observed Fauna(s)	Fish, Frogs		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	High

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-06

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-06	Classification	Perennial
Stream Name	Flat Creek and tribs, 876-259	Date	2021-09-08 14:32:31
Address	,		
Location Description	Flat Creek		
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.8305794767, -74.4850605642		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	W
Average Depth	6	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Boulders	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	6
Top of Bank (ft)	12	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	6	Water Quality	Clear
OHWM Indicators	Bed and Banks, Terrestrial Vegetation Destroyed, Plant Community Change, Multiple Observed Flow Events, Litter and Debris		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Cobble/Gravel		
Aquatic Habitat(s)	Riffle - Pool, Undercut Banks, Overhanging Vegetation		
Observed Use	Drainage, Fishing		
Observed Fauna(s)	Fish, Frogs, Invertebrates, Toads		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	5	25 to 35% (14 to 20 deg) Steep	High
RIGHT BANK	2	15 to 25% (9 to 14 deg) Steeply Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-6

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-6	Classification	Perennial
Stream Name	Flat Creek	Date	2021-09-14 09:46:57
Address	Carlisle Road Sprakers New York,		
Location Description			
Evaluator(s)	Jerry Peake, Steve Spotts		
Latitude, Longitude (WGS84)	42.8400151139, -74.4984728732		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Moderate	Flow Direction	N
Average Depth	15	Perceptible Flow	Yes
Channel Substrate	Boulders, Cobble/Gravel, Sand, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	10 to 20%
Is floodplain present?	Yes	Bankfull Width (ft)	40
Probed Stream Depth	12 to 24 inches	Existing Water Width (ft)	20
Top of Bank (ft)	NA	Presumed Regulatory Authority	USACE and State
Ordinary High Water Mark (ft)	28	Water Quality	Clear
OHWM Indicators	Natural Line Impressed on Bank, Matted, Bent, or Absent Vegetation, Plant Community Change, Scour, Shelving, Bed and Banks, Litter and Debris, Sediment Sorting, Deposition, Wrack		
Water Quality Comments			
Bank Substrate(s)	Cobble/Gravel, Sand, Silt/Clay, Organic		
Aquatic Habitat(s)	Overhanging Vegetation, Undercut Banks, Gravel Beach Bar, Riffle - Pool, Plunge Pools		
Observed Use			
Observed Fauna(s)	Fish, Snakes, Frogs, Invertebrates, Toads		
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	3	15 to 25% (9 to 14 deg) Steeply Sloping	Low
RIGHT BANK	2.5	15 to 25% (9 to 14 deg) Steeply Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-07

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-07	Classification	Ephemeral
Stream Name	N/A-Unnamed NYSDEC/NHD Class C stream	Date	2021-09-08 14:23:21
Address	Sprakers NY 12166 US,		
Location Description	Connects to S6		
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.8304732351, -74.4849489455		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	1	Perceptible Flow	Yes
Channel Substrate	Silt/Clay, Cobble/Gravel	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	2
Top of Bank (ft)	4	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Slightly Turbid
OHWM Indicators	Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)			
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	1	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	1	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-08

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-08	Classification	Ephemeral
Stream Name	N/A	Date	2021-09-08 15:59:52
Address	Sprakers NY 12166 US,		
Location Description	Drains into W5		
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.8313229932, -74.4869553045		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	N
Average Depth	0.5	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	> 10% (> 6 deg) Very Steep	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	1
Top of Bank (ft)	1	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	1	Water Quality	Clear
OHWM Indicators	Bed and Banks, Plant Community Change, Disturbed/Washed-away Leaf Litter, Soil Character Change		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)	Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	4	> 35% (> 20 deg) Very Steep	High
RIGHT BANK	4	> 35% (> 20 deg) Very Steep	High

NOTES:



STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-09

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-09	Classification	Perennial
Stream Name	Flat Creek and tribs, 876-259	Date	2021-09-09 13:13:03
Address	Sprakers NY 12166 US,		
Location Description	Runs within W9		
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.8391382556, -74.4893572371		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	Yes	Bankfull Width (ft)	10
Probed Stream Depth	0 to 6 inches	Existing Water Width (ft)	5
Top of Bank (ft)	NA	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	6	Water Quality	Clear
OHWM Indicators	Bed and Banks, Multiple Observed Flow Events, Plant Community Change, Disturbed/Washed-away Leaf Litter		
Water Quality Comments			
Bank Substrate(s)	Organic, Silt/Clay		
Aquatic Habitat(s)	Undercut Banks, Overhanging Vegetation		
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Moderate
RIGHT BANK	0.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





**STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-10**

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-10	Classification	Intermittent
Stream Name	S10-tributary to unnamed NYSDEC/NHD Class C stream	Date	2021-09-10 10:09:50
Address	Sprakers NY 12166 US,		
Location Description	Adjacent to W6		
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.8325511017, -74.4853400831		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	SW
Average Depth	0.5	Perceptible Flow	
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	70 to 80%
Is floodplain present?	Yes	Bankfull Width (ft)	5
Probed Stream Depth		Existing Water Width (ft)	1
Top of Bank (ft)	NA	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Bed and Banks, Disturbed/Washed-away Leaf Litter, Terrestrial Vegetation Destroyed, Soil Character Change		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)			
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	Unknown	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	25 to 35% (14 to 20 deg) Steep	High
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-11

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-11	Classification	Intermittent
Stream Name	S11-tributary to unnamed NYSDEC/NHD Class C stream	Date	2021-09-10 10:30:13
Address			
Location Description	Within W6		
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.831776266, -74.4846580955		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Low	Flow Direction	W
Average Depth	2	Perceptible Flow	Yes
Channel Substrate	Cobble/Gravel, Silt/Clay	Obstruction	NA
Channel Gradient	< 2% (< 1 deg) Gentle	Canopy Closure (Est.)	60 to 70%
Is floodplain present?	Yes	Bankfull Width (ft)	5
Probed Stream Depth		Existing Water Width (ft)	2
Top of Bank (ft)	NA	Presumed Regulatory Authority	U.S. Army Corp
Ordinary High Water Mark (ft)	3	Water Quality	Clear
OHWM Indicators	Bed and Banks, Plant Community Change, Soil Character Change		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)			
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?		RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	0.5	8 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low
RIGHT BANK	0.5	0 to 8% (0 to 5 deg) Nearly Level to Gently Sloping	Low

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:





STREAM AND WATERBODY INVENTORY
RESOURCE: S-RDS-12

CLIENT: SUNEAST

Project Name: Flat Creek Solar Project

STREAM / WATERBODY OVERVIEW

Stream/Water ID	S-RDS-12	Classification	Ephemeral
Stream Name	S12-unnamed	Date	2021-09-10 10:35:25
Address			
Location Description	Runs into W6		
Evaluator(s)	Ryan Snow, Abi Light		
Latitude, Longitude (WGS84)	42.8316123236, -74.4842218866		

STREAM / WATERBODY CHARACTERISTICS

Flow Stage	Dry	Flow Direction	SW
Average Depth	0	Perceptible Flow	
Channel Substrate	Silt/Clay	Obstruction	
Channel Gradient	2 to 4% (1 to 2 deg) Moderate	Canopy Closure (Est.)	80 to 90%
Is floodplain present?	No	Bankfull Width (ft)	NA
Probed Stream Depth		Existing Water Width (ft)	1
Top of Bank (ft)	2	Presumed Regulatory Authority	
Ordinary High Water Mark (ft)	1	Water Quality	
OHWM Indicators	Bed and Banks		
Water Quality Comments			
Bank Substrate(s)	Silt/Clay, Organic		
Aquatic Habitat(s)			
Observed Use	Drainage		
Observed Fauna(s)			
RTE Present?	No	RTE Species & Evidence	

Bank	Bank Height (ft)	Bank Slope	Bank Erosion Potential
LEFT BANK	2	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate
RIGHT BANK	1.5	8 to 15% (5 to 9 deg) Moderately Sloping	Moderate

NOTES:

STREAM / WATERBODY PHOTO(S)

Upstream Photo:



Downstream Photo:



Across Stream Photo:

