



CHEMUNG COUNTY SWCD'S
COUNTY SHARED EQUIPMENT
FOLLOW-UP NOVEMBER 17TH, 2020

WIN LOTTO! *BY DISCOVERING THE
LUCKIEST HOURS
OF YOUR LIFE*



Sun
\$1.39/\$1.59 Canada May 4, 1999
e-mail: suntab@aol.com

**Shocking Bible warnings
confirmed by global
weather scientists**



THE GREAT FLOODS TO COME!

**WORST IN
100 YEARS**

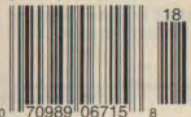


- Raging rivers pour into inland cities
- Giant tidal waves smash all coasts
- Deadly plagues unleashed



• What you need to do to survive **PLUS** more

\$1.39 / \$1.59 Canada



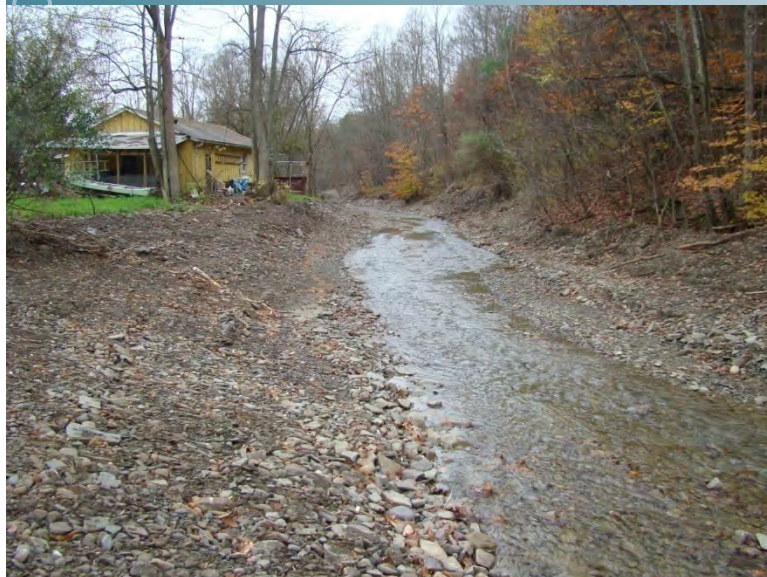
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Before



Tropical Lee Storm Flooding



After





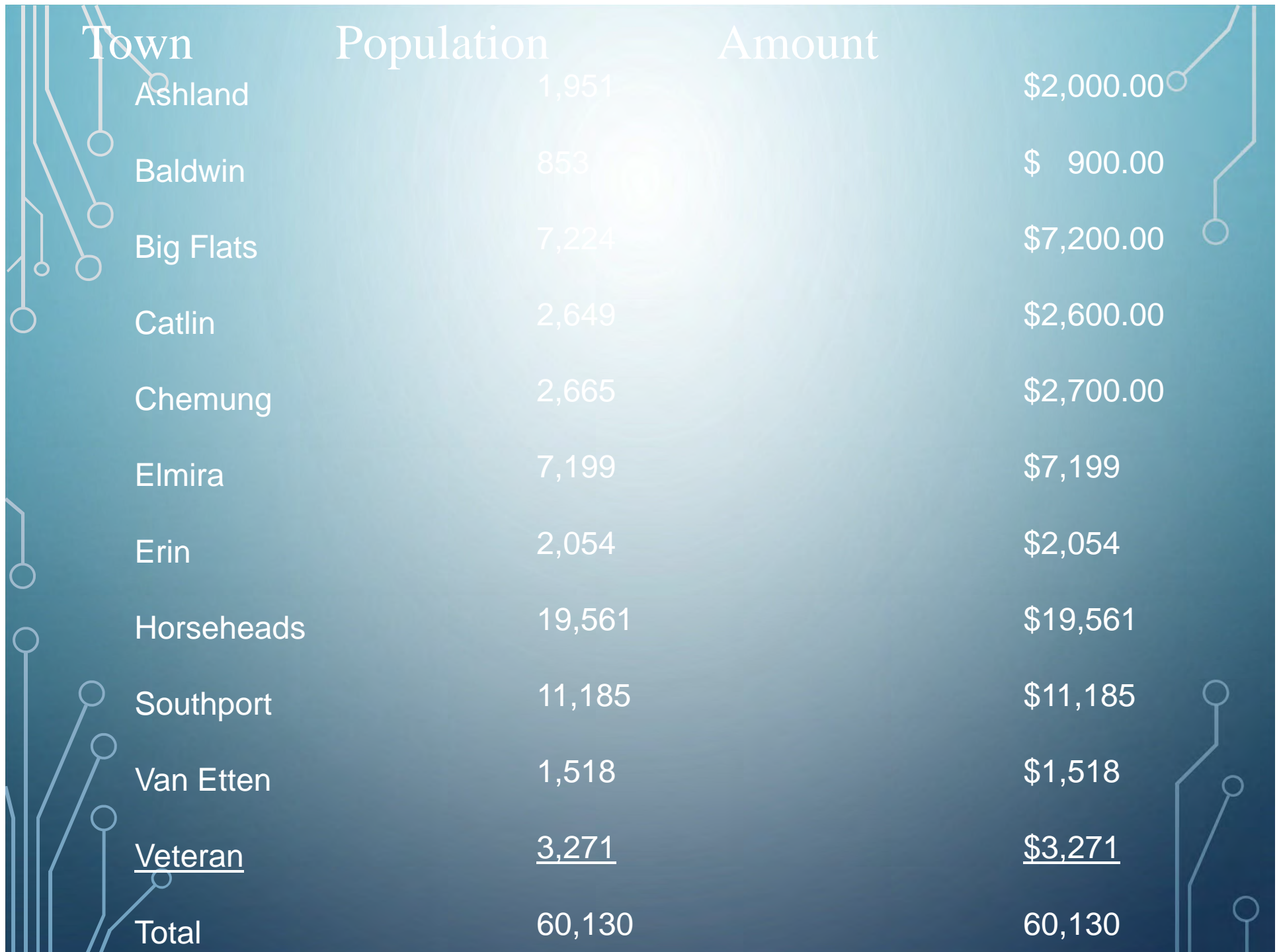
Back in 2011, the
Town of
Chemung's
Supervisor,
George Ritcher
and Highway
Superintendent,
Chris Doane,
discussed putting
together a
“Countywide
Stream Program”.




Proposed Countywide Streambank Program

Concept-County purchase
equipment
Towns-Pay into
insurance-maintenance &
replacement fund
District-House-coordinate
use of equipment

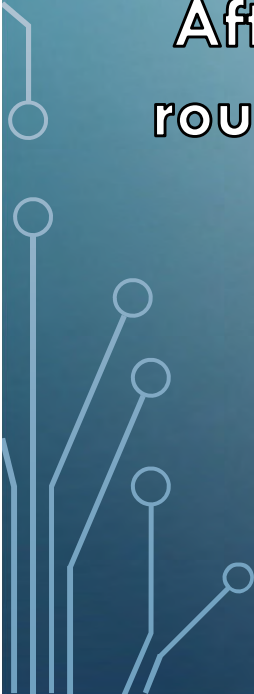





Town	Population	Amount
Ashland	1,951	\$2,000.00
Baldwin	853	\$ 900.00
Big Flats	7,224	\$7,200.00
Catlin	2,649	\$2,600.00
Chemung	2,665	\$2,700.00
Elmira	7,199	\$7,199
Erin	2,054	\$2,054
Horseheads	19,561	\$19,561
Southport	11,185	\$11,185
Van Etten	1,518	\$1,518
<u>Veteran</u>	<u>3,271</u>	<u>\$3,271</u>
Total	60,130	60,130



The County Executive was approached to discuss the program -after discussion the County agreed to earmark \$400,000.00 to purchase an excavator and dozer.



After 9 years, the Countywide Stream Program has roughly 1.9 Million Dollars of Equipment.



CAT 304



CAT 309



Excavators



CAT 315F



CAT 325F



Bull Dozers





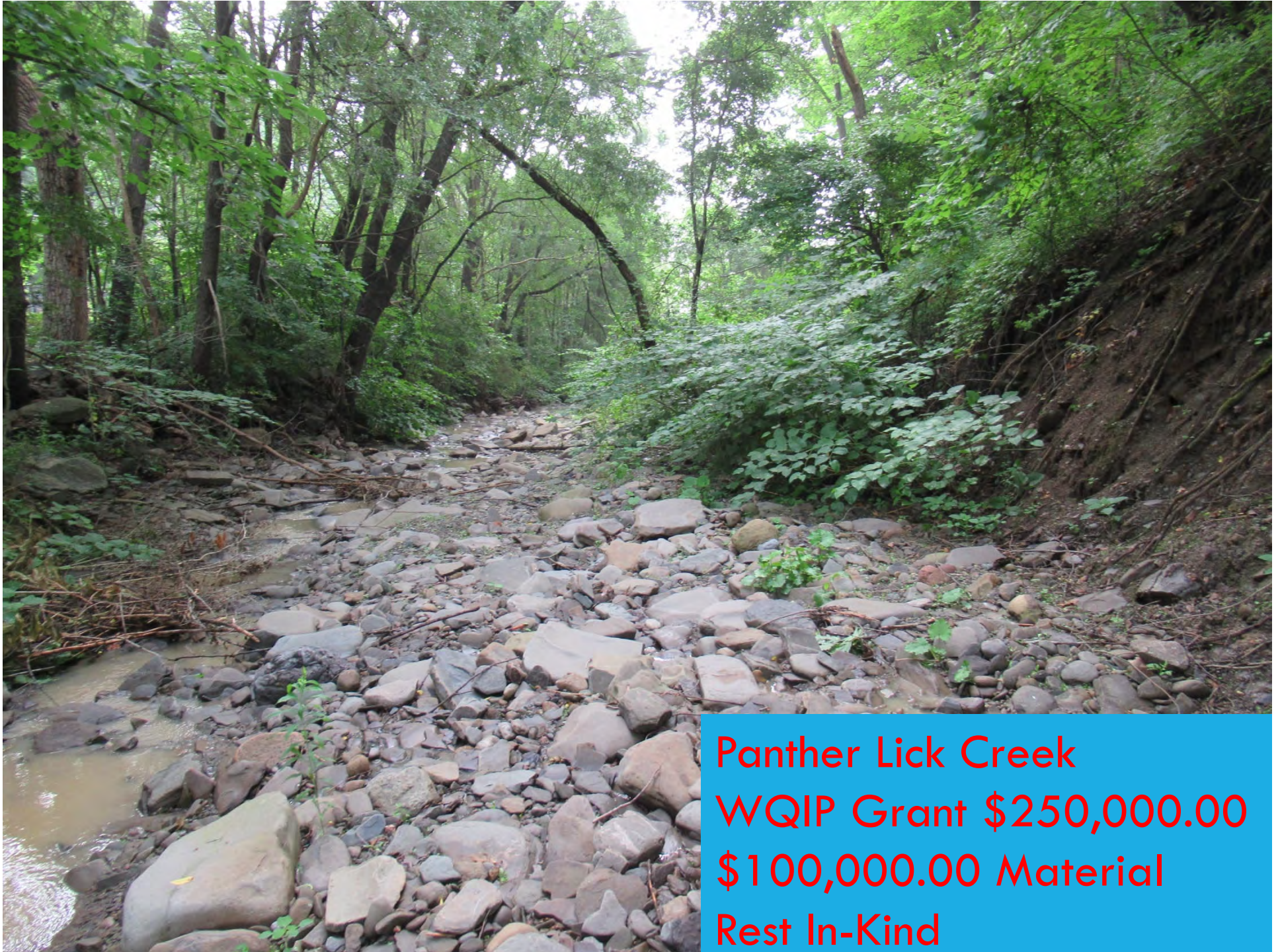
Rock Truck

Off
Road
Dump
Truck



FL-LOWPA Funds

- Portion of Insurance
- Portion of Maintenance
- Portion of Equipment Operator



Panther Lick Creek
WQIP Grant \$250,000.00
\$100,000.00 Material
Rest In-Kind









Streambank Stabilization Improvement Plan Notes:

1. Install Stacked Rock Revetment with a Vegetated Bench.
 - Blend with existing rockwall at the downstream end. Blend into existing grade at the upstream end.
 - Install bendway weirs along base of Stacked Rock Revetment.
2. Move existing displaced rock revetment from channel and reset.
3. Request utility company to relocate existing pole away from the top of the streambank.
4. Install Stacked Rock Revetment with bendway weirs along base.
5. Excavate embankment at inside of bend to create an overflow area.
 - The overflow area shall be approximately 2 foot higher than the adjacent stream invert.
 - Slope to existing grade at a maximum of 3 horizontal:1 vertical.
6. Install Placed Dimensional Rock Revetment with bendway weirs along base.
7. Install Stacked Rock Revetment with a Vegetated Bench with bendway weirs along base.
8. Install Stacked Rock Revetment with a Vegetated Bench with bendway weirs along base.
9. Install Engineered Rock Riffle.
10. Install Bendway Weirs.
11. Remove existing gravel bar and realign/re-establish channel.



Improvement Plan

Panther Lick Streambank Stabilization Project
Town of Catlin, Chemung County, New York

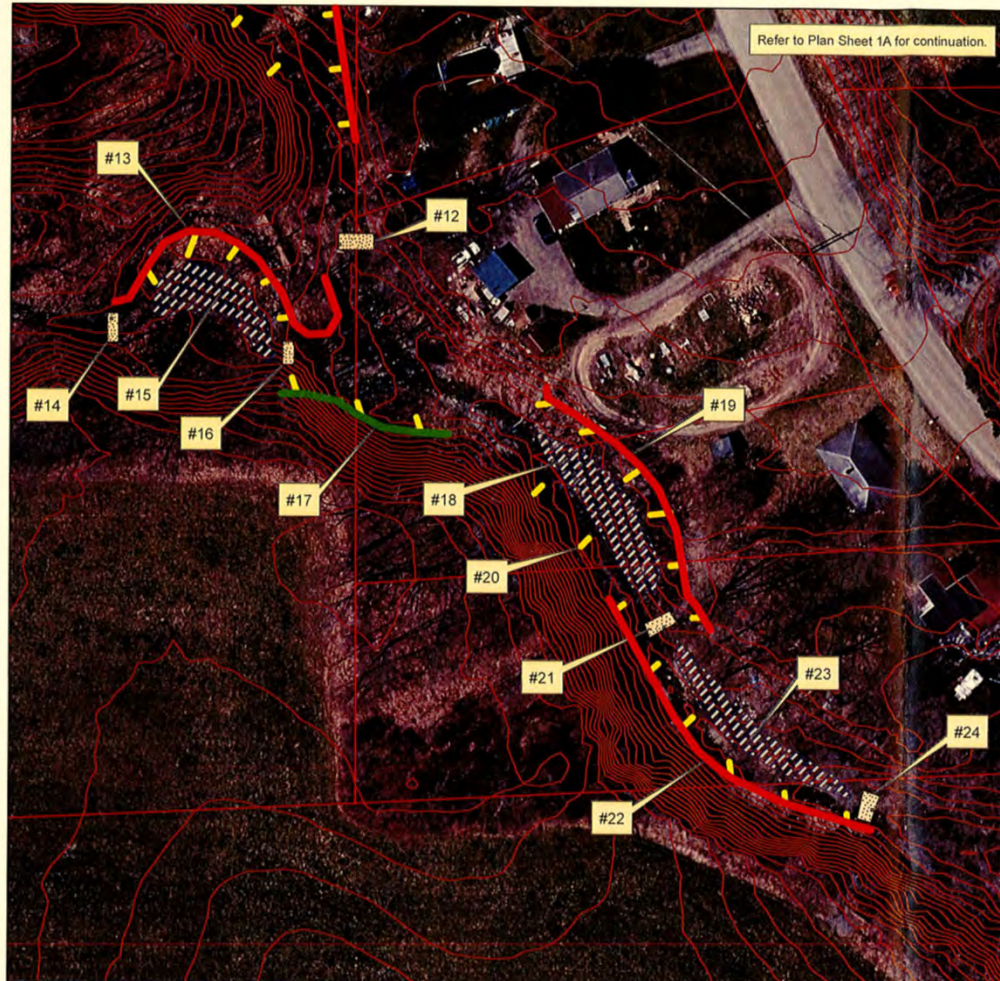
Prepared By

Chemung County Stormwater Coalition
851 Chemung Street
Horseheads, New York 14845

1A



1 in = 60 ft



Streambank Stabilization Improvement Plan Notes:

12. Install Engineered Rock Riffle.
13. Install Stacked Rock Revetment with a Vegetated Bench and/or Placed Dimensional Rock Revetment with bendway weirs along base.
14. Install Engineered Rock Riffle.
15. Remove gravel bar to create an overflow area and relocate stream channel.
 - Overflow area shall be approximately 1 foot higher than the adjacent stream channel invert.
 - Slope to existing grade at a maximum of 3 horizontal:1 vertical.
16. Install Engineered Rock Riffle.
17. Install Placed Dimensional Rock Revetment with bendway weirs along base.
18. Remove gravel bar to create an overflow area and realign stream channel.
 - Overflow area shall be approximately 1 foot higher than the adjacent stream channel invert.
 - Slope to existing grade at a maximum of 3 horizontal:1 vertical.
19. Install Stacked Rock Revetment with a Vegetated Bench and/or Placed Dimensional Rock Revetment with bendway weirs along base.
20. Install Bendway Weirs.
21. Install Engineered Rock Riffle.
22. Install Stacked Rock Revetment with a Vegetated Bench with bendway weirs along base.
23. Excavate and regrade area along inside of bend to create an overflow area.
 - The overflow area shall be approximately 2 foot higher than the adjacent stream invert.
 - Slope to existing grade at a maximum of 3 horizontal:1 vertical.
24. Install Engineered Rock Riffle.



Improvement Plan

Panther Lick Streambank Stabilization Project
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1B



1 in = 60 ft

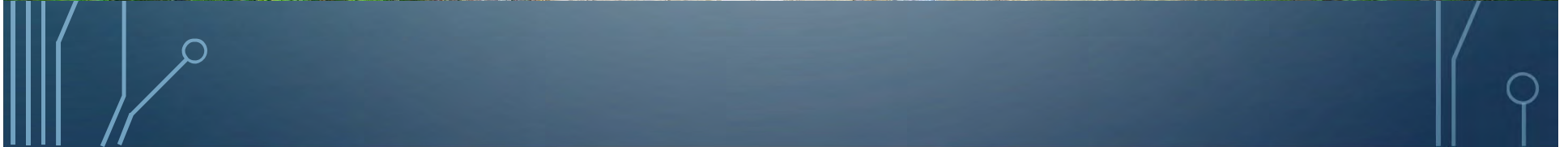




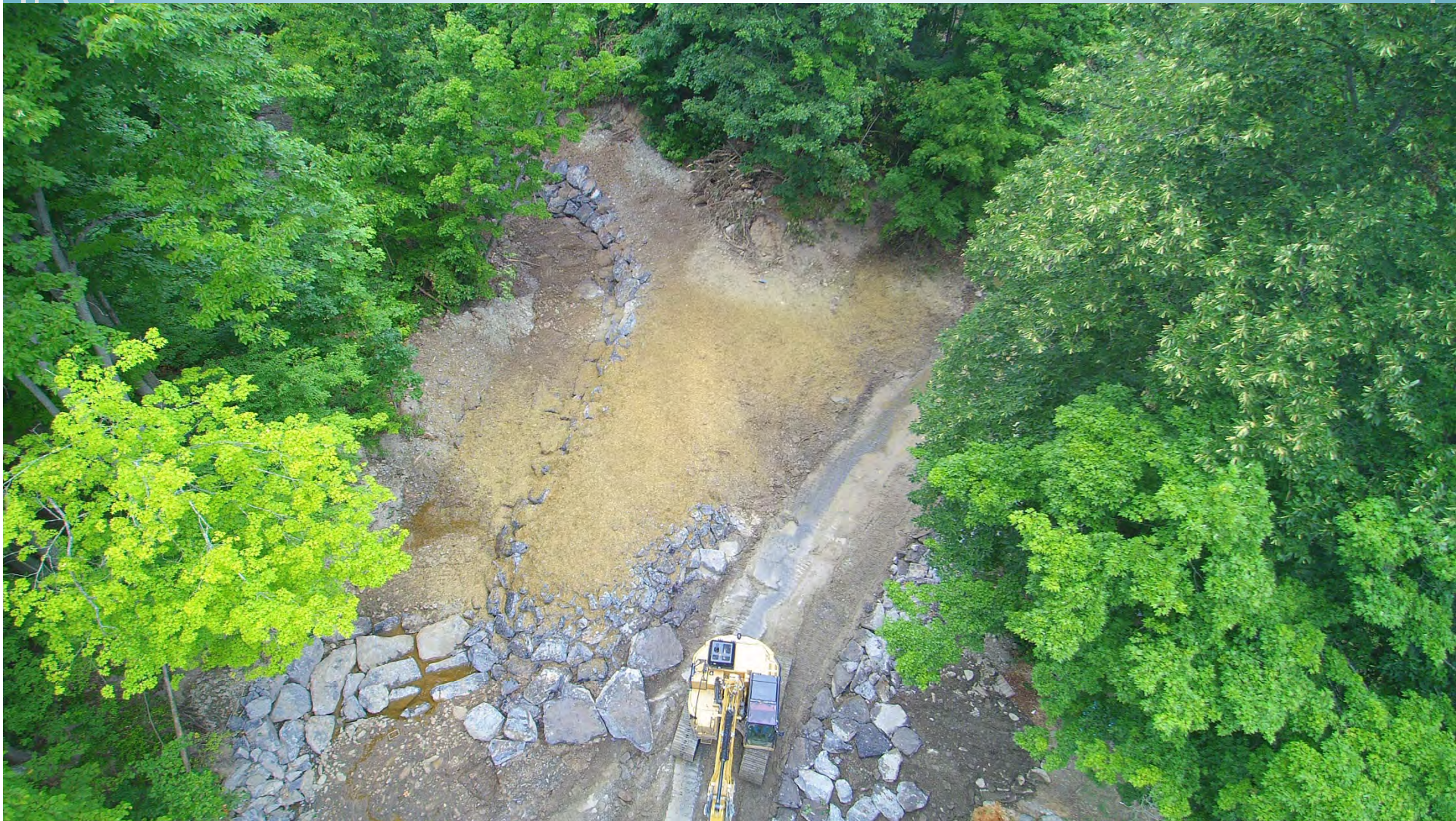


















Seafuse Road
Town of Veteran
Material \$3,519.00

100' of Stream Repaired-if bid out to private
contractor would have been \$25,000.00











Millport- Sundown Road



Total Cost \$11,800.00 to
Municipality
If Bid out \$30,000.00 +









Route 14 Ramsey Property



US Fish & Wildlife
250' of Stream Bank
Roughly \$54,000.00

Completed In-Kind







U.S. Fish & Wildlife Service
Gian Dodici
Tompkins County SWCD
Angel & Abby























Dutch Hill
Total Cost
\$20,000.00
If bid out over
\$40,000.00











Dutch Hill



Hillside Drive

Cost \$15,000.00

If bid out \$75-85,000.00















