

Minutes of the Lake Colby Association 8/18/23

26th anniversary of the Lake Colby Association.

Meeting began at 4:03 in the Keet's shorehouse. Loons were calling.

Minutes from 2022 were looked over. Input for changes and corrections were sought. Motion made to accept the minutes by Laura seconded by Mike Setteducati. Minutes approved.

Attending:

George Earl, Little Colby Pond

Lauren Epstein, Little Colby Pond

Mark Epstein, Little Colby Pond

Ann Greene, Board Member, via phone

Lee Keet

Nancy Keet, President

Aaron Kramer, Board Member, CEO Adirondack Health

Ashley Milne, Harrietstown Town Councilwoman

Carrie Moore, Little Colby Pond

Jim Moore, Board Member, Little Colby Pond

Debbie Neill, Board Member, Secretary & Treasurer

Huda Scheidelman, via phone

Matt Scollin, Village of SL Trustee

Mike Setteducati

Laura Sigman, Secretary

Connor Vara, with PSC Adirondack Watershed Institute

Brendan Wiltse, Senior Research Scientist, PSC Adirondack Watershed Institute

Elections:

Necessary as a 501c3, we elect a Foundation board and 501c4, we elect officers.

LCA Foundation Board Election:

The foundation allows us to accept tax deductible donations from contributors.

A motion was made by Jim Moore to vote in his replacement and newest member, Carrie Moore, and returning members Ann Greene, Aaron Kramer, and Debbie Neill. Motion to elect board made by Mike and seconded by Lee. Vote was passed. The Board members are now: Ann Greene, Aaron Kramer, Debbie Neill and Carrie Moore.

Officer Election:

Nancy Keet is willing to remain as President. Laura Sigman has passed the Secretary position back to Debbie Neill. Debbie Neill is also Treasurer. Motion to elect officers was made by Lee and seconded by Jim. Vote was passed.

Finances:

Debbie reviewed the finances.

So thankful for the contributions from Harrietstown of \$5,000 and ADK Health of \$1,000.

As of the end of July:

Checking stands at 19,218.26.

Savings (Road Escrow) stands at 10,228.53.

Foundation stands at 18,921.88

We may need to use our Road Escrow Savings to resurface Moir Rd in 2024.

Water Quality:

This is our 21st year in the ALAP program. We are happy to be supporting Little Colby Pond as an additional lake being monitored in the ALAP program which Peter Bauer acknowledged. Thank you to Mark & Laura Epstein for collecting the water samples.

Lake Colby continues to have a very high concentration of salt. A major problem of high salt concentration is increasing Calcium concentration, CA is higher and LC is high enough to support Zebra Mussels; ongoing salinization would allow habitat to support ZM. Need to keep this in check.

Very important to keep the natural reeds and growth on both sides of the highway for natural filtration. The hospital has a filtering system in their parking lot that is working well. We need to know the total amount of salt being used. The beds are being saturated since the chloride & sodium binds to the soil, which allows for the extra to move out into the lake. Chloride is not good for actuator health and very corrosive on pipes & plumbing. There are an estimated 55,000 people on wells of which 12,000 get leaching.

Ed Franz is the DOT spokesperson and Phil Stetson is working to monitor town trucks as to how much salt is being used.

Lee has been monitoring the lake level which has been very high this year.

Brendan Wiltsie shared his information as well.

Eurasian Water Milfoil:

With some luck we might have a lake steward positioned at the state boat launch on a couple of days this year. Debbie continues to stock our information pamphlets at the boat launch and emptying the fishing line container.

In July 2022 & 2023, Solitude Water Management, did a mapping of Lake Colby's EWM growth. A comparison report was slated to be done upon receiving the results of 2023 report in the fall. It is then hoped that we could have a Zoom discussion on what direction we might head in management the growth around March of 2024.

The discussion of the use of ProcellaCOR ensued. In Lake Minerva, Lee Walrath, who has worked with ProcellaCOR, has been able to show complete control on the growth upon follow up monitoring. ProcellaCOR's formulation as a herbicide, is designed to work on EWM selectively. Native plants made it through. In the second year, there was no regrowth. Renovate is known to be less selective.

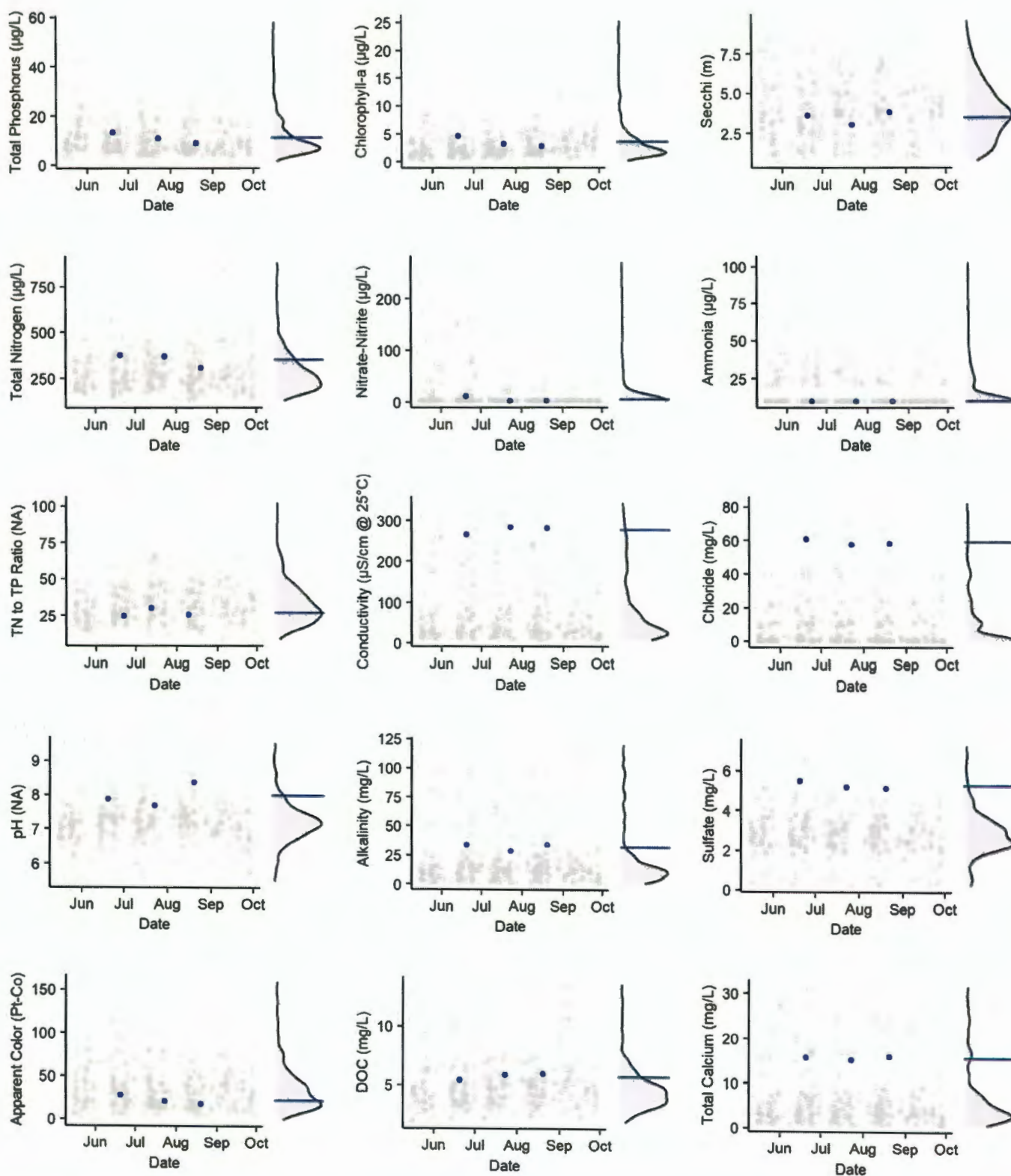
Brendan Wiltsie shared his thoughts on ProcellaCOR.

Thank you to Nancy and Lee for kindly hosting our meeting. Nancy thanked everyone for attending, with hopes of a possible Zoom meeting in the spring.

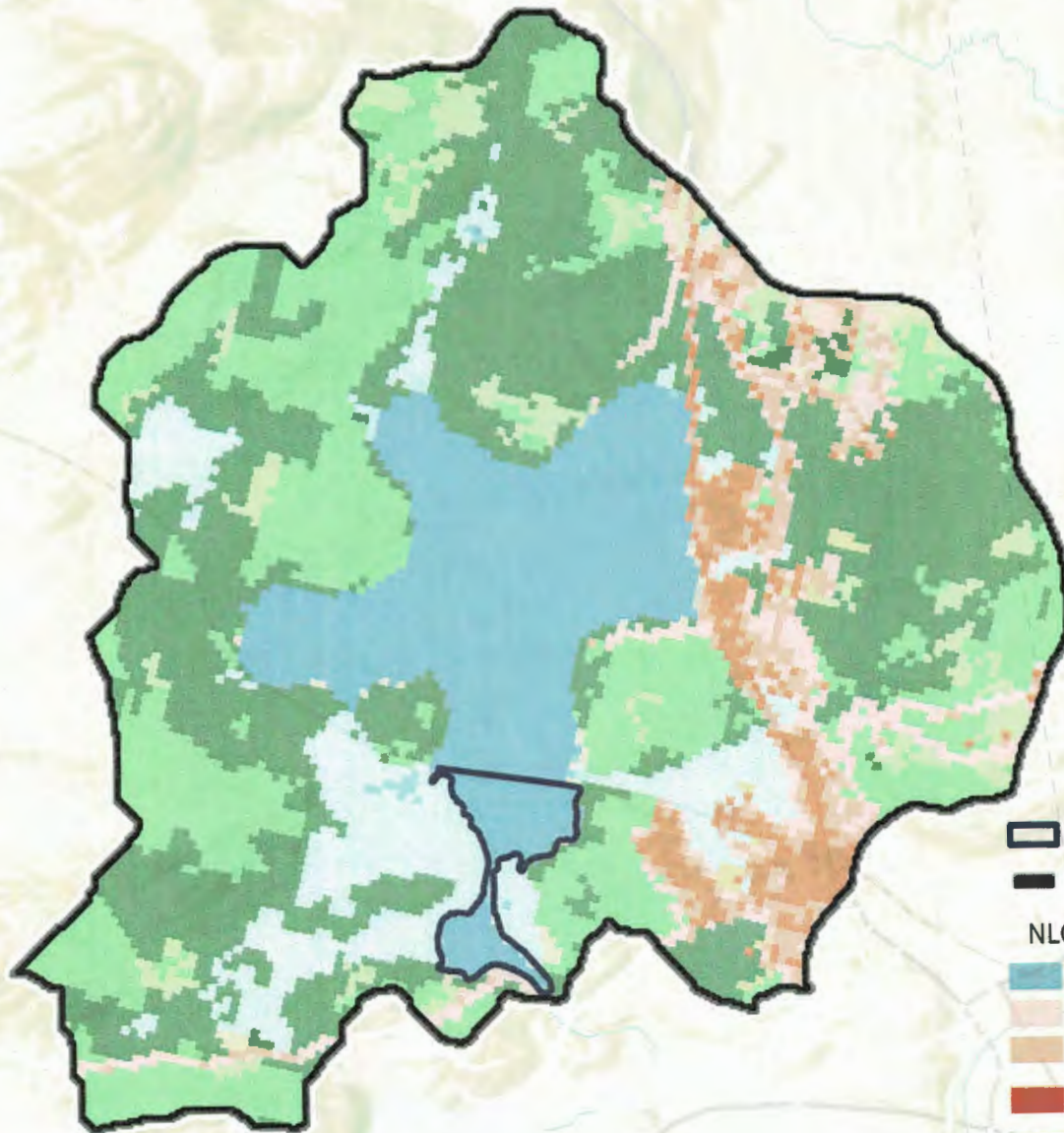
Meeting adjourned at 5:23PM.

Submitted by Debbie Neill

Gray dots represent all data in the report, blue dots are the samples for the represented lake. The right sub-plot shows the density distribution for all data in gray and the mean for the represented lake as a blue line.



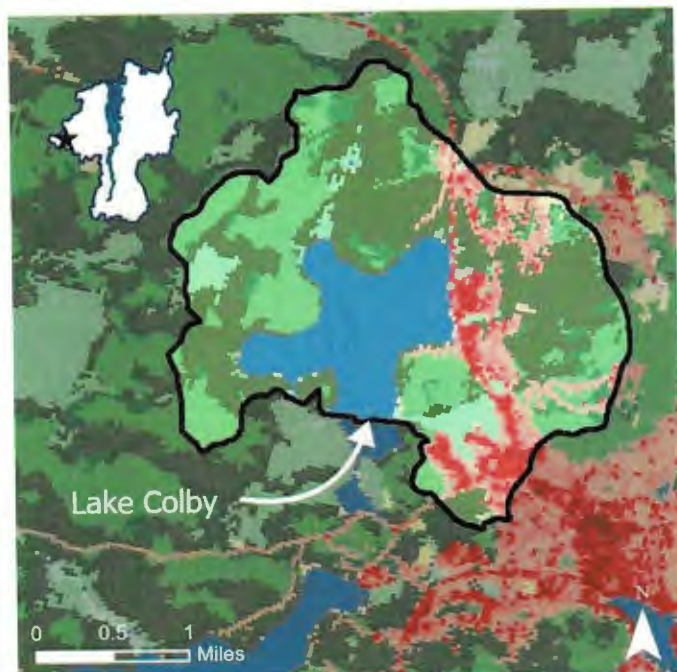
LITTLE COLBY WATERSHED



- Little Colby
 - Little Colby Watershed
- NLCD Land Cover Class**
- Open Water
 - Developed, Open Space
 - Developed, Low Intensity
 - Developed, Medium Intensity
 - Developed, High Intensity
 - Barren Land
 - Deciduous Forest
 - Evergreen Forest
 - Mixed Forest
 - Shrub/Scrub
 - Herbaceous
 - Hay/Pasture
 - Woody Wetlands
 - Emergent Herbaceous Wetlands

0 0.25 0.5 1 Kilometers

LAKE COLBY



- | | |
|-------------------------------|--------------------------------|
| ■ Open Water | ■ Evergreen Forest |
| ■ Developed, Open Space | ■ Mixed Forest |
| ■ Developed, Low Intensity | ■ Dwarf Scrub |
| ■ Developed, Medium Intensity | ■ Grassland/Herbaceous |
| ■ Developed, High Intensity | ■ Pasture/Hay |
| ■ Barren Land | ■ Woody Wetlands |
| ■ Deciduous Forest | ■ Emergent Herbaceous Wetlands |

Summary

Trophic Status (Chl-a): Mesotrophic
 Trophic Status (TP): Mesotrophic
 Trophic Status (Secchi): Mesotrophic
 Acidity: Alkaline: non-impacted
 Acid Neutralizing Capacity: High
 Road Salt Influence: High

Notes: None.

Location

Latitude: 44.3418
 Longitude: -74.1538
 County: Franklin
 Town: Harrietstown
 Watershed: Saranac Lakes-Saranac River

Lake Characteristics

Surface Area (ha): 125.6
 Shoreline Length (km): 6.8
 Max Depth (m): 14.3
 Mean Depth (m): 7.2
 Volume (m³): 7,873,631
 Flushing Rate (times/year): 0.7

Watershed Characteristics

Watershed Area (ha): 921.3
 Open Water (%): 16.84
 Developed, Open Space (%): 5.27
 Developed, Low Intensity (%): 4.55
 Developed, Medium Intensity (%): 3.88
 Developed, High Intensity (%): 0.95
 Barren Land (%): 0.12
 Deciduous Forest (%): 23.50
 Evergreen Forest (%): 34.24
 Mixed Forest (%): 4.53
 Dwarf Shrub (%): 0.48
 Grassland/Herbaceous (%): 0.71
 Pasture/Hay (%): 0.02
 Cultivated Crops (%): 0.00
 Woody Wetlands (%): 4.82
 Emergent Herbaceous Wetlands (%): 0.07

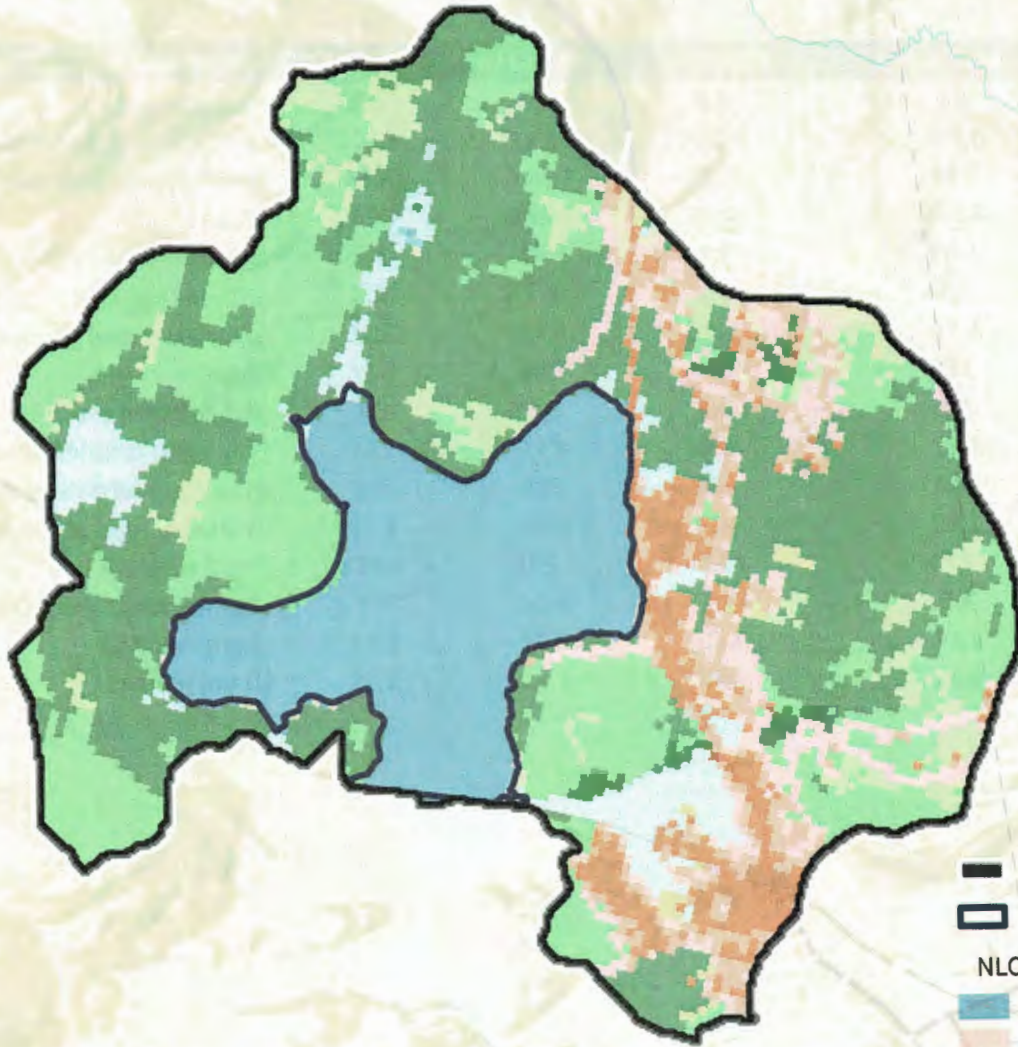
Aquatic Invasive Species Detections

Eurasian watermilfoil: 1999

Harmful Algal Bloom Reports

2022

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Lake Colby

Trophic State Oligotrophic	Acidity Alkaline	Acid Neutralizing Capacity High	Road Salt Influence High
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Water quality values for Lake Colby during the 2023 sampling season. BDL = below detection limit.

Water Quality Indicator	6/21/2023	7/20/2023	8/14/2023	Average
Laboratory pH	7.4	8.1	7.5	7.6
Sp. Conductance ($\mu\text{S}/\text{cm}$ @ 25°C)	273.0	277.0	264.0	271.3
Apparent Color (mg/L Pt-Co)	27.9	27.9	31.1	28.9
CDOM ($\mu\text{g}/\text{L}$)	91.9	102.8	120.1	104.9
Chlorophyll-a ($\mu\text{g}/\text{L}$)	2.3	1.3	2.6	2.1
Transparency (m)	4.9	3.9	3.2	4.0
Alkalinity (mg/L as CaCO_3)	34.9	34.0	33.2	34.0
Chloride (mg/L)	61.9	59.5	56.9	59.4
Sulfate (mg/L as SO_4)	5.6	5.3	4.7	5.2
Total Phosphorus ($\mu\text{g}/\text{L}$ as P)	9.3	6.9	10.3	8.8
Nitrate-Nitrite ($\mu\text{g}/\text{L}$ as N)	BDL	BDL	BDL	BDL
Ammonia ($\mu\text{g}/\text{L}$ as $\text{NH}_3\text{-N}$)	BDL	24.5	BDL	14.8
Total Nitrogen ($\mu\text{g}/\text{L}$)	238.2	376.9	355.9	323.7
Dissolved Organic Carbon (mg/L)	5.2	5.2	5.3	5.2
Calcium (mg/L)	15.8	15.4	14.8	15.3
Sodium (mg/L)	33.4	32.2	32.4	32.7

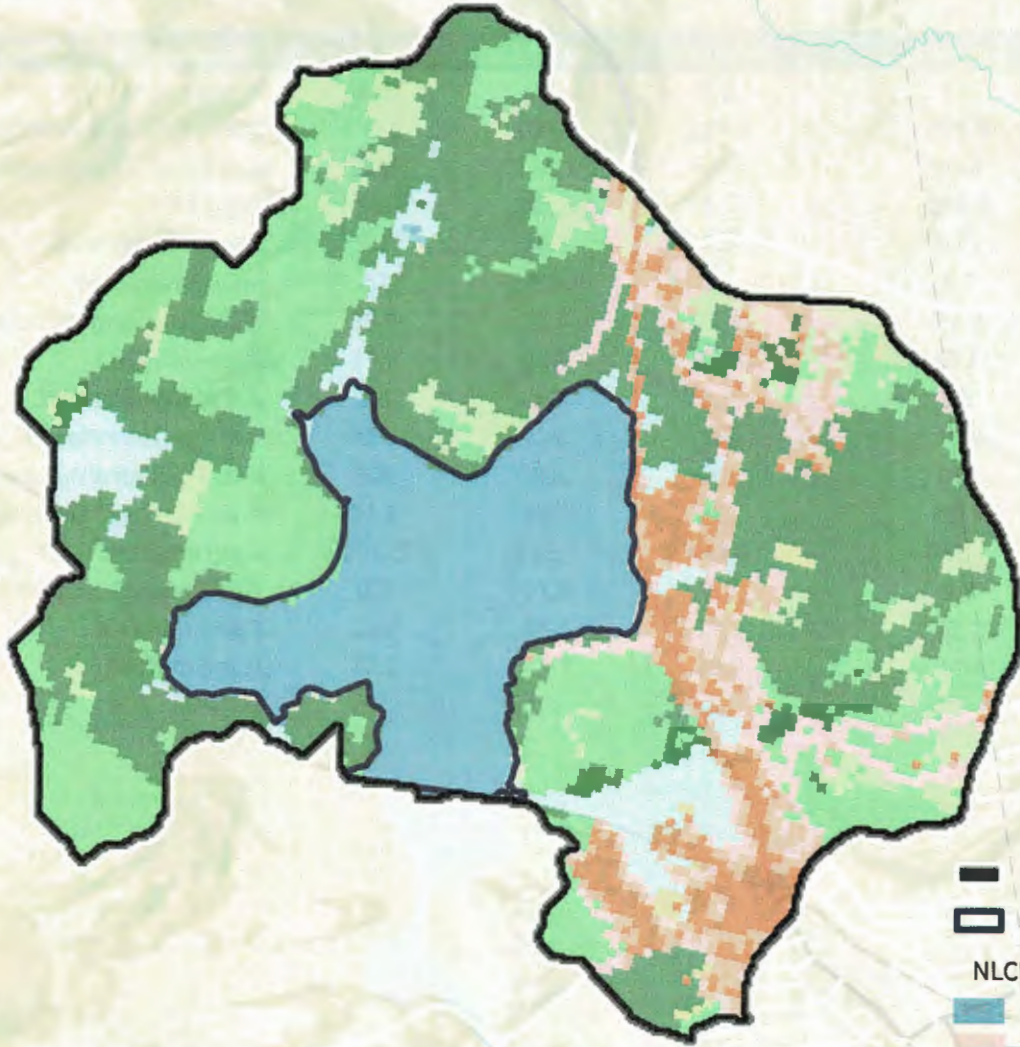
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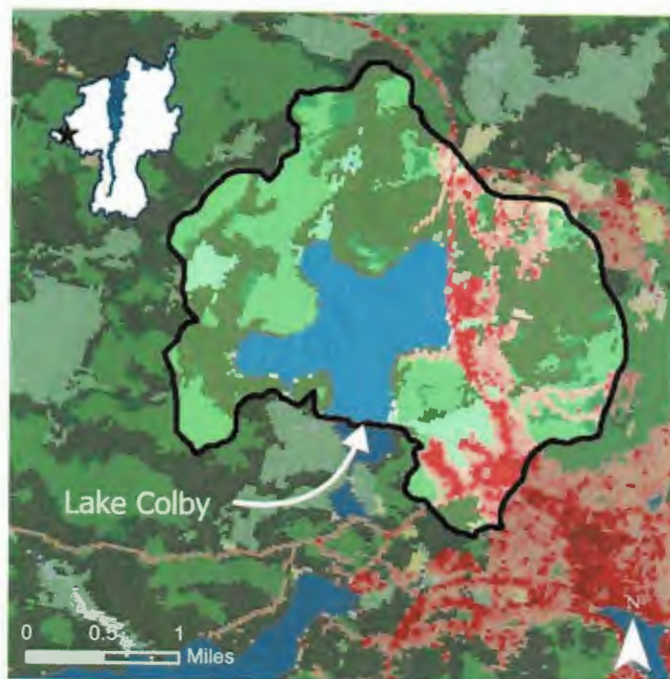
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LAKE COLBY



Open Water	Evergreen Forest
Developed, Open Space	Mixed Forest
Developed, Low Intensity	Dwarf Scrub
Developed, Medium Intensity	Grassland/Herbaceous
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