



Research Report

A Study and Research of Water Quality in the Learners' Community and Its Environmental Impacts

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This report is part of the Earth System Science course Academic Year 2025

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Preface

This research report is part of the Earth System Science course for the 2025 academic year, at the Grade 8 level (Mathayom 2) of Dara Academy. It was conducted under the topic, "**Inspection and Research of Water Quality from Water Sources in the Learners' Community Affecting the Environment.**"

The research team recognized the importance of water resources in the community and conducted field studies to collect water samples from three actual sources in San Sai and Doi Saket Districts, Chiang Mai Province. These samples were tested for various scientific parameters, such as temperature, pH levels, and turbidity, with the objective of analyzing water safety and its environmental impact.

The research team sincerely hopes that this research report will be beneficial to those interested in studying the environment and community water quality. If there are any errors, the research team apologizes for them here.

The Research Team

January 30, 2026

Abstract

Research Title: Inspection and Research of Water Quality from Water Sources in the Learners' Community Affecting the Environment **Researchers:** Master Isaiah Lerman, Master Kritsada Savanakunanon, Master Setthapol Khamsit, Master Kittikawin Ariya, Master Paphawin Inta **Grade Level:** Grade 8 (Mathayom 2) **Advisor:** Mr. Thapakorn Kaewprom Ms. Kanlada Cheewawet **School:** Dara Academy, Mueang District, Chiang Mai Province

The objective of this research was to study the condition and quality of community water sources and analyze their environmental impacts. The study was conducted at three locations: a water source in San Na Meng Subdistrict, San Sai District, and water sources in San Pu Loei Subdistrict, Doi Saket District, Chiang Mai Province. Data were collected four times between December 20, 2025, and January 10, 2026. Physical and chemical water quality indicators were measured, including temperature, pH levels, and transparency, alongside observations of environmental conditions and aquatic organisms.

The research results indicated that all three water sources maintained a pH level of 7 (neutral) throughout the study period, which is within the suitable range for aquatic life. However, differences were observed in transparency and biological presence. showed stable transparency and contained aquatic species indicating good water quality, such as Tilapia. exhibited inconsistent transparency and a significant amount of litter, reflecting the impacts of human activities. showed changes in transparency due to sedimentation and contained organisms typically found in stagnant water, such as mosquito larvae.

In conclusion, human activities and the physical characteristics of water sources significantly affect water quality. The research team suggests conservation guidelines focusing on reducing waste disposal, treating wastewater before discharge, planting ground cover to reduce bank erosion, and raising community awareness to participate in monitoring and maintaining water resources.

Keywords: Water Quality, Community Water Sources, pH levels, Water Transparency

Acknowledgements

This research report, titled "Inspection and Research of Water Quality from Water Sources in the Learners' Community Affecting the Environment," has been successfully completed thanks to the great kindness and assistance of Mr. Thapakorn Kaewprom, our project advisor. We are deeply grateful for the time he dedicated to providing guidance, consultation, and verifying the accuracy of the content, as well as for his valuable suggestions in solving various problems throughout the process. The research team would like to express our highest gratitude.

We would like to thank Dara Academy for providing the facilities and equipment for our scientific experiments, as well as all the teachers in the Science Department for sharing their knowledge and providing fundamental advice that was essential to this research.

Finally, we would like to thank our parents and the families of all group members for their support in terms of funding, encouragement, and for facilitating the water sample collection in San Na Meng Subdistrict, San Sai District, and San Pu Loei Subdistrict, Doi Saket District, which ensured that our field data collection proceeded smoothly.

The Research Team

January 30, 2026

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Introduction

Background and Significance of the Problem

Community water resources play a vital role in maintaining the local environment and ecological balance. The research team recognizes the importance of water quality and its potential impact on the ecosystem. Therefore, this study was initiated to collect essential data for planning, restoration, and sustainable conservation of these water resources.

Research Questions

1. How do the current conditions and quality of community water resources affect the environment?
2. How can the conditions and quality of community water resources be managed and maintained to be environmentally friendly?

Research Hypotheses

1. The current conditions and water quality in the community have contributed to partial environmental degradation.
2. The conditions and quality of the water resources in the community are not entirely safe for the environment.

Research Objectives

1. To study the physical conditions and quality of water resources within the community.
2. To analyze the data and propose guidelines for environmental maintenance and protection of community water resources.

Expected Benefits

To gain comprehensive data regarding the current state and quality of water resources in the community.

1. Obtaining data on the conditions and quality of community water resources
2. To establish practical guidelines for environmental maintenance and the conservation of community water resources.

Scope of Research1. **Study Area** The study focuses on the following water resource locations:

1.1 Water source located at: 193 Soi 14, Moo 6, San Na Meng Sub-district, San Sai District, Chiang Mai, 50210.

1.2 Water source in front of: Karnkanok 2 Village, San Pu Loei Sub-district, Doi Saket District, Chiang Mai, 50220.

1.3 Water source in front of: Vararom Kaewnawarat Village, Moo 3, San Pu Loei Sub-district, Doi Saket District, Chiang Mai, 50220.



Figure 1: Water resource located at 193 Soi 14, Moo 6, San Na Meng Sub-district, San Sai District, Chiang Mai 50210.

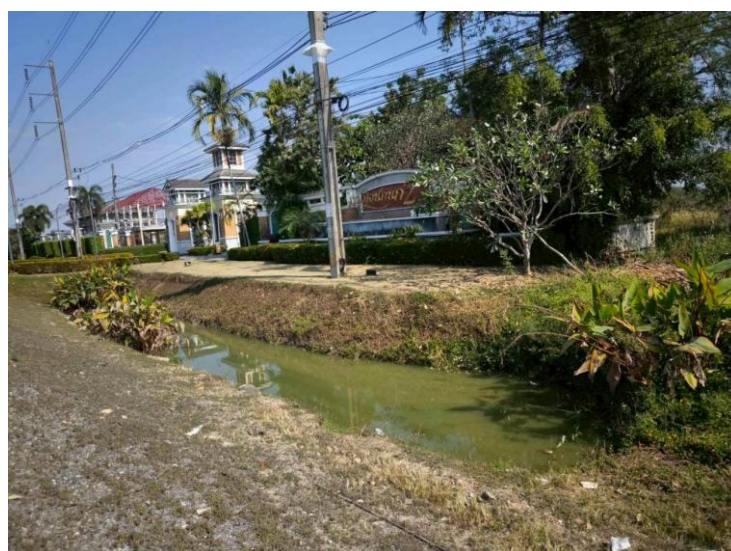


Figure 2: Water resource in front of Karnkanok 2 Village, San Pu Loei Sub-district, Doi Saket District, Chiang Mai 50220.



Figure 3: Water resource in front of Vararom Kaewnawarat Village, Moo 3, San Pu Loei Sub-district, Doi Saket District, Chiang Mai 50220.

2. Research Variables and Parameters

2.1 Water Temperature

2.2 pH Level

2.3 Water Transparency / Turbidity

2.4 Environmental Conditions of the Water Source

3. Research Period

Data collection was conducted from December 15, 2025, to January 14, 2026. A total of 4 sampling sessions were performed at 10:00 AM each time, as follows:

Related Literature and Research

According to the study by Samart Jaitia and Pattana Boonyaprapha titled "Environmental Impact from Water Quality Problems and Suggestions in Surveillance Activity: A Case Study Li Watershed, Lamphun Province," the research identified contamination in the upstream areas, particularly high levels of Coliform bacteria. These bacteria serve as key indicators of pollution derived from domestic waste, livestock pens, and community activities. Although the immediate visible impacts on daily community life may not yet be severe, the researchers strongly suggest establishing a community-based participation process. This includes engaging local residents in monitoring and reporting water quality alongside relevant authorities, enhancing public health literacy regarding waterborne diseases, and developing local surveillance systems to detect water quality changes early and mitigate environmental impacts.

The study "The Relationship between Water Quality and Benthic Macroinvertebrates in Huai Nam Sai, Trang Province" by Mr. Thanakrit Choipetch et al. demonstrates a clear correlation between chemical parameters and biological indicators. In upstream areas, high dissolved oxygen (DO) levels and lower temperatures support pollution-sensitive species such as Mayfly nymphs and Stonefly nymphs.

Conversely, in downstream areas affected by dense community activities, (DO) levels significantly decrease while conductivity and turbidity increase. This degradation is reflected in the presence of pollution-tolerant organisms like snails and bloodworms (chironomids). The findings highlight that human activities and community expansion directly contribute to the deterioration of physical and chemical water quality.

Research Implementation

Study area

1. A water body located at 193 Soi 14, Moo 6, San Na Meng Sub-district, San Sai District, Chiang Mai, 50210

(Coordinates: 18.835637N,99.501440E)

2. The water source situated in front of Karnkanok 2 Village, San Pu Loei Sub-district, Doi Saket District, Chiang Mai, 50220

(Coordinates: 18.788442E ,99.069580E).

3. The water resource area in front of Vararom Kaewnawarat Village, Moo 3, San Pu Loei Sub-district, Doi Saket District, Chiang Mai, 50220

(Coordinates: 18.819252N, 99.052254E).

Materials and Equipment

1. pH indicator strips
2. Turbidity tube
3. Thermometer

Research Methodology

1.Research Procedures

1.1 Preliminary Phase

The researcher conducted a comprehensive review of relevant literature and existing research concerning community water quality to define the study's scope and variables. Subsequently, a strategic plan was developed to identify study sites and select appropriate measurement tools. All necessary water sampling equipment was prepared and calibrated to ensure readiness and accuracy for field operations.

1.2 Research Implementation

The researcher identified and selected sampling sites within community water resources, followed by field surveys to measure and record water quality parameters at each location. These parameters included **water temperature, pH levels, and transparency (turbidity)**, along with an assessment of the surrounding environmental conditions. Photographic evidence of the water sources and their vicinities was also documented.

To ensure measurement accuracy, water sampling was conducted between **10:00 AM and 7:00 PM**. Samples were collected in clean, airtight containers to prevent contamination. Comprehensive records were maintained for each sample, including the date, time, temperature, and detailed environmental observations during the collection process.

1.3 Data Analysis and Conclusion

The collected water quality data were analyzed to evaluate the overall condition of the community water resources. Subsequently, the findings were synthesized and discussed, establishing correlations between water quality and environmental factors. This analysis also addressed potential impacts to ensure the results aligned with the research objectives.

2.Data Analysis

Data were analyzed using descriptive statistics and are presented through tables and graphical representations. The results were further subjected to descriptive analysis to characterize the water quality levels and their correlation with the surrounding community environment. Finally, the findings were synthesized to provide conclusions and practical recommendations aimed at supporting the conservation of local water resources.

Results

This study established four key parameters for investigation and measurement: water temperature, pH levels, water transparency (turbidity), and the surrounding environmental conditions." water properties, water transparency, and the diversity of aquatic species within the water sources. The detailed parameters are as follows:"

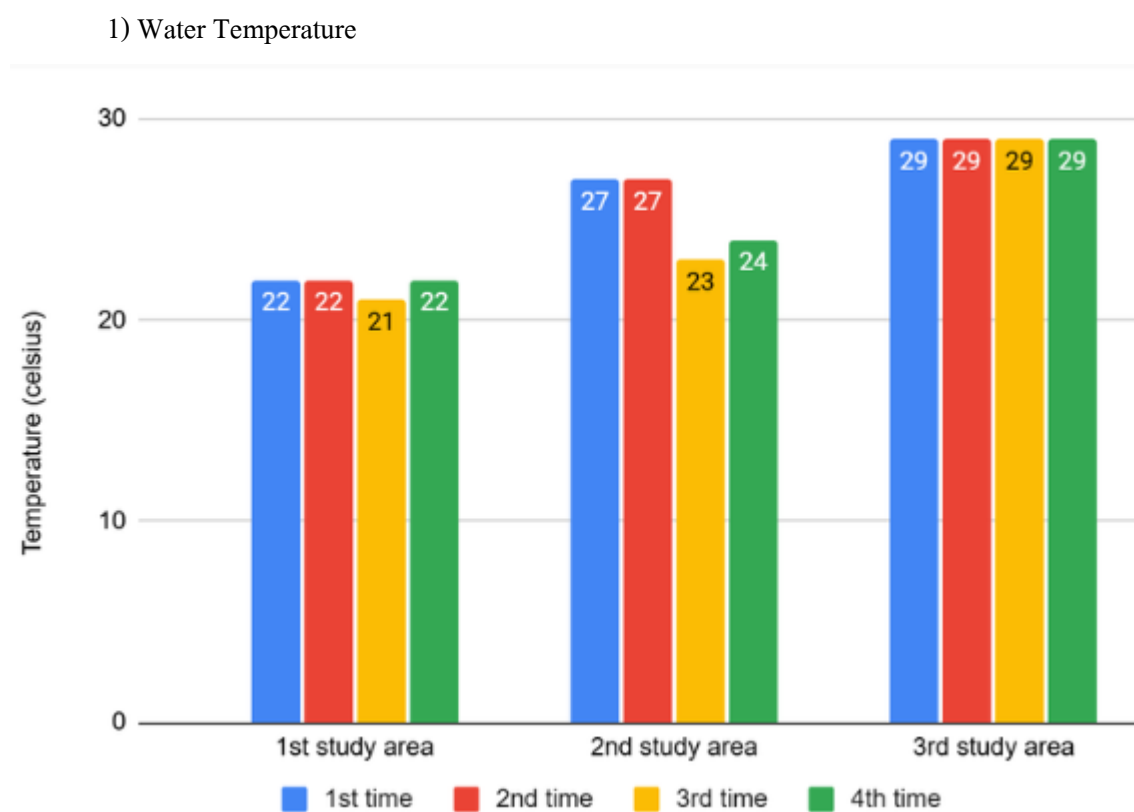


Figure 4: Comparison of water temperatures across four data collection periods at the three study sites.

As illustrated in Figure 4, water temperatures varied among the three study sites. Site 1 exhibited the lowest and most stable temperatures, consistently measuring at 22°C, with a slight decrease to 21°C during the third collection. In contrast, Site 2 showed significant thermal fluctuation, peaking at 27°C in the first two sessions before declining to 23°C and 24°C in the subsequent periods; this likely reflects the influence of external factors or variations in collection times. Site 3 recorded the

highest and most consistent temperature, maintaining a steady 29°C throughout all four measurements, indicating an environment with highly stable thermal conditions.

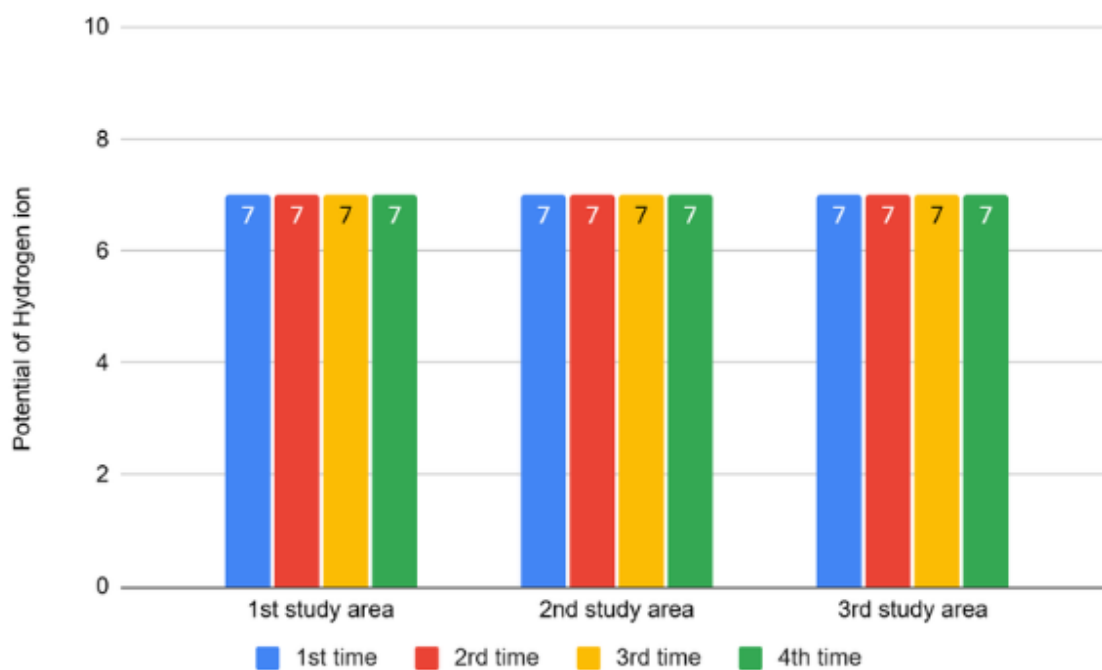


Figure 5: pH levels of water across four data collection periods at the three study sites.

According to Figure 5, the pH levels at all study sites remained constant at 7 throughout the four collection periods. This indicates that the water at every site is neutral, providing an optimal environment for most aquatic organisms.

3) Water Transparency

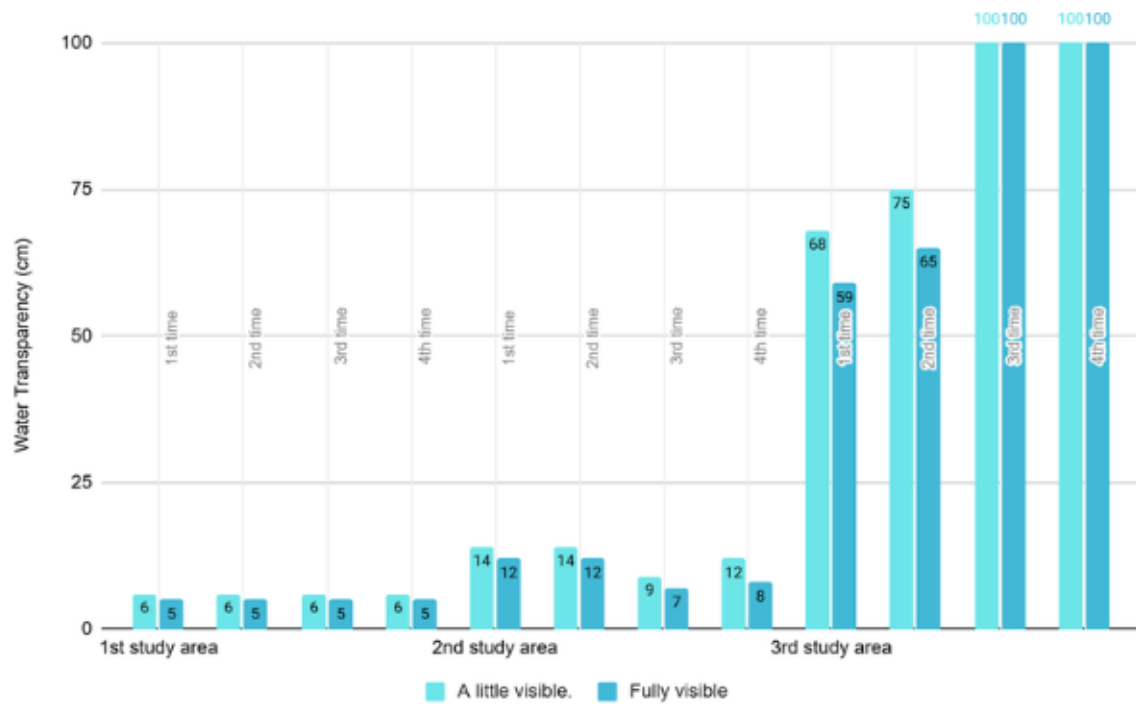


Figure 6: Water transparency levels across four data collection periods at the three study sites.

Table 1: Water transparency data across four data collection periods at the three study sites

Study area	Collection	Water Transparency (centimeter)	
		Slightly visible	Clearly visible
Study area 1	1st time	6	5
	2nd time	6	5
	3rd time	6	5
	4th time	6	5
Study area 2	1st time	14	12
	2nd time	14	12
	3rd time	9	7
	4th time	12	8
Study area 3	1st time	68	59
	2nd time	75	65
	3rd time	100	100
	4th time	100	100

Figure 6 illustrates that water transparency at Site 1 remained constant throughout all four measurements. The 'slightly visible' threshold was recorded at 6 cm, while the 'clearly visible' level was at 5 cm. This data indicates that the turbidity in this area was not significantly affected by external factors during the study period.

At **Site 2**, water transparency remained relatively similar during the first and second samplings but began to fluctuate in the third and fourth periods. In contrast, **Site 3** showed a distinct and steady increase in transparency, reaching maximum clarity during the third and fourth sessions. This trend

clearly indicates that natural **sedimentation** occurred, allowing the water to become significantly clearer over time.

4) Environmental Conditions of the Water Resources

Study area	living things	หมายเหตุ
Study area 1	Key species identified: Nile Tilapia, Guppies, and golden-brown algae.	Normal conditions
Study area 2	Red-bellied dragonfly, cherry snail, green algae	Waste accumulation
Study area 3	Snakehead fish, mosquito larvae, green algae.	Normal conditions

Conclusion and Discussion

The water sampling was conducted at three locations within San Sai and Doi Saket Districts, Chiang Mai Province, from December 20, 2025, to January 10, 2026. A total of four water quality assessments were performed, and the findings are summarized as follows:

pH Levels: The results showed that all three water sources maintained a constant pH of 7 throughout the study period. This indicates a neutral condition, which is generally suitable for the survival of aquatic organisms. Furthermore, it suggests that these water bodies have not been significantly disturbed by chemicals or waste with strong acidic or alkaline properties.

Water Temperature: The temperature varied across the sites. Site 1 recorded the lowest temperature, while Site 3 exhibited the highest and most stable readings. These differences may be attributed to site-specific factors such as sunlight exposure, water depth, and circulation patterns. Higher temperatures can influence dissolved oxygen levels and the types of inhabiting species. For instance, the presence of mosquito larvae at Site 3 suggests stagnant water and temperatures conducive to mosquito breeding, which may pose future public health concerns for the community.

Water Transparency: Clarity levels differed significantly among the sites. Site 1 showed stable transparency, indicating minimal environmental disturbance. Conversely, Site 2 exhibited inconsistent transparency and was found to contain a large amount of waste, reflecting the direct impact of human activities from the surrounding community. At Site 3, an increase in transparency was observed during the latter phase of the study, likely due to natural sedimentation processes which allowed the water to become clearer.

1. Transparency changes indicate water contamination and community management efficiency. Aquatic life serves as a bioindicator: Site 1 (Nile Tilapia/Guppies) suggests adequate oxygen and suitable quality. Site 2 (Golden Apple Snails/Heavy Litter) reflects human impact. Site 3 (Snakehead fish/Mosquito larvae) indicates stagnant water and high temperatures.

2. Recommendations:
3. Pollution Control: Stop waste disposal and reduce chemical use to lower turbidity.
4. Wastewater Treatment: Treat household water before discharge into natural sources.
5. Riparian Buffers: Plant trees along banks to prevent erosion and filter sediment.
6. Regular Monitoring: Periodically track pH, temperature, and transparency.
7. Community Engagement: Educate and involve locals in water conservation efforts.

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Appendix

This appendix contains detailed water quality monitoring results from Study Sites 1, 2, and 3. Data were collected over a total of four sessions between December 20, 2025, and January 10, 2026, to support the analysis and discussion in the main body of the research report.

Table A1: Water Quality Monitoring Results at Study Site 1 (House No. 193, Soi 14, Moo 6, San Na Meng Sub-district, San Sai District, Chiang Mai Province) Coordinates: Latitude 18.8356° N, Longitude 99.0514° E

Trial	Date	Time	Water Temperature (°C)	pH	Water Transparency	Organisms Found / Remarks
1	20 Dec. 2025	10.00 AM -07.00 PM	22	7	stable	Organisms found: Nile Tilapia, Guppies, and Golden-brown algae
2	27 Dec. 2025	10.00 AM -07.00 PM	22	7	stable	
3	3 Jan. 2026	10.00 AM -07.00 PM	21	7	stable	

4	10 Jan. 2026	10.00 AM -07.00 PM	22	7	stable	7 1	Lowest water temperature compared to other sites
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Table 2: Water Quality Monitoring Results at Study Site 2 (In front of Karnkanok 2 Village, San Pu Loei Sub-district, Doi Saket District, Chiang Mai Province) Coordinates: Latitude 18.7884° N, Longitude 99.0696° E

Trial	Date	time	Water Temperature (°C)	pH	Water Transparency	Organisms Found / Remarks
1	20 Dec. 2025	10.00 AM - 07.00 PM	27	7	Similar	Organisms found: Common Red Skimmer, Golden Apple Snail, and Green Algae
2	27 Dec. 2025	10.00 AM - 07.00 PM	27	7	Similar	Minor litter found
3	3 Jan. 2026	10.00 AM - 07.00 PM	23	7	unstable	

4	10 Jan. 2026	10.00 AM - 07.00 PM	24	7	unstable		Fluctuating turbidity, likely caused by human activities
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Table 3: Water Quality Monitoring Results at Study Site 3 (In front of Vararom Kaewnawarat Village, Moo 3, San Pu Loei Sub-district, Doi Saket District, Chiang Mai Province) Coordinates: Latitude 18.8193° N, Longitude 99.0523° E

Trial	Date	Time	Water Temperature (°C)	pH	Water Transparency	Organisms Found / Remarks
1	20 Dec. 2025	10.00 AM - 07.00 PM	29	7	Increasing turbidity	Organisms found: Striped Snakehead Fish, Mosquito Larvae, and Green Algae

2	20 Dec. 2025	10.00 AM - 07.00 PM	29	7	Increasing turbidity.	The temperature is relatively high and most stable
3	3 Jan. 2026	10.00 AM - 07.00 PM	29	7	Increasing transparency.	Starting to clear
4	10 Jan. 2026	10.00 AM - 07.00 PM	29	7	Clear(Supernatant)	Relatively still water source

I AM A DATA SCIENTIST

I collected and analyzed actual quantitative data, including pH, temperature, and transparency across three sites for our trial, ensuring high accuracy and reliability.

I AM A PROBLEM SOLVER

I identified environmental issues—such as waste accumulation and mosquito breeding risks—and used logical reasoning to explain their causes and effects on the ecosystem.

I MAKE AN IMPACT

Because I proposed actionable solutions for the community, such as wastewater treatment and riparian buffers, to promote long-term water conservation and public health

pH

Measured Date:	2026-01-10
Organization Name:	Dara Academy
Site ID:	409356
Site Name:	บริเวณแหล่งน้ำในบ้านเลขที่ 193 ซอย 14 หมู่ 6 ตำบล สันนาเม็ง อำเภอสันทราย จังหวัดเชียงใหม่ 50210
Country Name:	Thailand
Country Code:	THA
Latitude:	18.83564
Longitude:	99.05144
Elevation:	314.6m
Measured At:	2026-01-10T12:00:00
Water Body pH:	7 pH units
Water Body State:	normal
pH Method:	paper
pH Buffer 7:	true

pH

Measured Date:	2026-01-10
Organization Name:	Dara Academy
Site ID:	409358
Site Name:	บริเวณแหล่งน้ำหน้าหมู่บ้านวรารมย์ แก้วนวล หมู่ 3 ตำบลสันปูเลย อำเภอดอยสะเก็ด จังหวัดเชียงใหม่ 50220
Country Name:	Thailand
Country Code:	THA
Latitude:	18.81925
Longitude:	99.05225
Elevation:	307.4m
Measured At:	2026-01-10T12:00:00
Water Body pH:	7 pH units
Water Body State:	normal
pH Method:	paper
pH Buffer 7:	true

pH

Measured Date:	2026-01-03
Organization Name:	Dara Academy
Site ID:	409357
Site Name:	บริเวณแหล่งน้ำหน้าหมู่บ้านกาญจนกนก 2 ตำบลสันปู เลย อำเภอดอยสะเก็ด จังหวัดเชียงใหม่ 50220
Country Name:	Thailand
Country Code:	THA
Latitude:	18.78844
Longitude:	99.06958
Elevation:	305.7m
Measured At:	2026-01-03T12:00:00
Water Body pH:	7 pH units
Water Body State:	normal
pH Method:	paper
pH Buffer 7:	true

pH

Measured Date:	2026-01-03
Organization Name:	Dara Academy
Site ID:	409356
Site Name:	บริเวณแหล่งน้ำในบ้านเลขที่ 193 ซอย 14 หมู่ 6 ตำบล สันนาเม็ง อำเภอสันทราย จังหวัดเชียงใหม่ 50210
Country Name:	Thailand
Country Code:	THA
Latitude:	18.83564
Longitude:	99.05144
Elevation:	314.6m
Measured At:	2026-01-03T12:00:00
Water Body pH:	7 pH units
Water Body State:	normal
pH Method:	paper
pH Buffer 7:	true

pH

Measured Date:	2026-01-03
Organization Name:	Dara Academy
Site ID:	409358
Site Name:	บริเวณแหล่งน้ำหน้าหมู่บ้านวรารมย์ แก้วนวิรุฬ หมู่ 3 ตำบลสันปูเลย อำเภอดอยสะเก็ด จังหวัดเชียงใหม่ 50220
Country Name:	Thailand
Country Code:	THA
Latitude:	18.81925
Longitude:	99.05225
Elevation:	307.4m
Measured At:	2026-01-03T05:48:00
Water Body pH:	7 pH units
Water Body State:	normal
pH Method:	paper
pH Buffer 7:	true

pH	
Measured Date:	2025-12-27
Organization Name:	Dara Academy
Site ID:	409357
Site Name:	บริเวณแหล่งน้ำหน้าหมู่บ้านกาญจนกนก 2 ตำบลสันปูเลย อำเภอดอยสะเก็ด จังหวัดเชียงใหม่ 50220
Country Name:	Thailand
Country Code:	THA
Latitude:	18.78844
Longitude:	99.06958
Elevation:	305.7m
Measured At:	2025-12-27T12:00:00
Water Body pH:	7 pH units
Water Body State:	normal
pH Method:	paper
pH Buffer 7:	true

Water Transparency

Measured Date:	2026-01-10
Organization Name:	Dara Academy
Site ID:	409358
Site Name:	บริเวณแหล่งน้ำหน้าหมู่บ้านวรารมย์ แก้วนวิรุฬ หมู่ 3 ตำบลสันปูเลย อำเภอดอยสะเก็ด จังหวัดเชียงใหม่ 50220
Country Name:	Thailand
Country Code:	THA
Latitude:	18.81925
Longitude:	99.05225
Elevation:	307.4m
Measured At:	2026-01-10T12:00:00
Water Body State:	normal
Turbidity Tube Transparency:	100 cm

pH

Measured Date:	2025-12-27
Organization Name:	Dara Academy
Site ID:	409358
Site Name:	บริเวณแหล่งน้ำหน้าหมู่บ้านวรารมย์ แก้วนวิรุฬ หมู่ 3 ตำบลสันปูเลย อำเภอต๋อยสะเก็ด จังหวัดเชียงใหม่ 50220
Country Name:	Thailand
Country Code:	THA
Latitude:	18.81925
Longitude:	99.05225
Elevation:	307.4m
Measured At:	2025-12-27T12:00:00
Water Body pH:	7 pH units
Water Body State:	normal
pH Method:	paper
pH Buffer 7:	true

Water Transparency	
Measured Date:	2026-01-10
Organization Name:	Dara Academy
Site ID:	409356
Site Name:	บริเวณแหล่งน้ำในบ้านเลขที่ 193 ซอย 14 หมู่ 6 ตำบล สันนาเม็ง อำเภอสันทราย จังหวัดเชียงใหม่ 50210
Country Name:	Thailand
Country Code:	THA
Latitude:	18.83564
Longitude:	99.05144
Elevation:	314.6m
Measured At:	2026-01-10T12:00:00
Water Body State:	normal
Turbidity Tube Transparency:	6 cm

**NASA Media Release Form for Parent or Guardian of Minor
(continued)**

Name of Minor (First and Last):

Kittikawin Ariya

Name of Parent / Legal Guardian / Legal Representative of Minor (First and Last):

Auchapunnee Suradach

Signature of Parent / Legal Guardian / Legal Representative of Minor:

By signing your name below, you agree that you have read the foregoing and fully understand its contents.

Auchapunnee Suradach

Relationship to Minor:

Mother

Today's Date:

29/01/26

Contact information for Parent / Legal Guardian / Legal Representative of Minor:

Address: No. 39/4 Moo.4 T. Chienldoi, Dolsaket

Chiang mai 50220 THAILAND

Telephone:

086-1965902

Email Address:

fayja_t@hotmail.com

**NASA Media Release Form for Parent or Guardian of Minor
(continued)**

Name of Minor (First and Last):

Setsaphon Khamsit

Name of Parent / Legal Guardian / Legal Representative of Minor (First and Last):

Wilairat Khamsit

Signature of Parent / Legal Guardian / Legal Representative of Minor:

By signing your name below, you agree that you have read the foregoing and fully understand its contents.

Wilairat Khamsit.

Relationship to Minor: Mother

Today's Date: 29/01/26

Contact information for Parent / Legal Guardian / Legal Representative of Minor:

Address: 333/47 Diya Valley Village, Nong Han Subdistrict,
San Sai District, Chiang Mai 50290 THAILAND.

Telephone: 084-0464408

Email Address: Beezy12387@gmail.com

**NASA Media Release Form for Parent or Guardian of Minor
(continued)**

Name of Minor (First and Last):

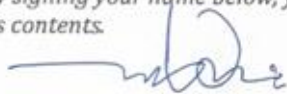
Isaiah Layraman

Name of Parent / Legal Guardian / Legal Representative of Minor (First and Last):

Thon Layraman

Signature of Parent / Legal Guardian / Legal Representative of Minor:

By signing your name below, you agree that you have read the foregoing and fully understand its contents.



Relationship to Minor:

Father

Today's Date:

29 /01/26

Contact information for Parent / Legal Guardian / Legal Representative of Minor:

Address: 15/140 Somwang -Country Ville, San Pulei,

Doi Saket, Chiangmai 50220, Thailand.

Telephone:

089 4989984

Email Address:

Layraman@gmail.com

**NASA Media Release Form for Parent or Guardian of Minor
(continued)**

Name of Minor (First and Last):

Krisada Sawanakunanon

Name of Parent / Legal Guardian / Legal Representative of Minor (First and Last):

Kitiya Sawanakunanon

Signature of Parent / Legal Guardian / Legal Representative of Minor:

By signing your name below, you agree that you have read the foregoing and fully understand its contents.

Kitiya S.

Relationship to Minor: Legal Guardian

Today's Date: 29/01/26

Contact information for Parent / Legal Guardian / Legal Representative of Minor:

Address: 333/118 moo 3, San Pu Leoi Subdistrict,
Doi Saket District, Chiang Mai 50220 THAILAND

Telephone: 086-6835111

Email Address: Kitiyaz55@gmail.com

**NASA Media Release Form for Parent or Guardian of Minor
(continued)**

Name of Minor (First and Last):

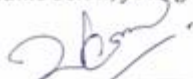
Papawim Inta.

Name of Parent / Legal Guardian / Legal Representative of Minor (First and Last):

Piyarat Inta.

Signature of Parent / Legal Guardian / Legal Representative of Minor:

By signing your name below, you agree that you have read the foregoing and fully understand its contents.



Relationship to Minor: Mother.

Today's Date: 29/1/26

Contact information for Parent / Legal Guardian / Legal Representative of Minor:

Address: No. 193 Soi. 14, Village 6, Sam Na Meng Sub-District,
Sam Sai District, Chiang Mai, 50210

Telephone: 084-0419759

Email Address: june.piyarat28@gmail.com