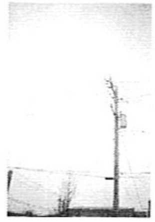
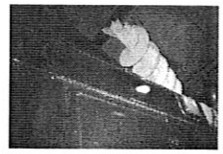
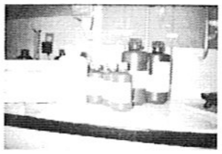
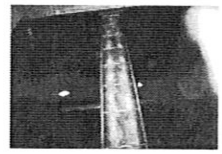
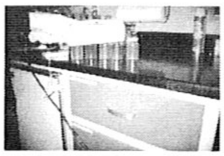
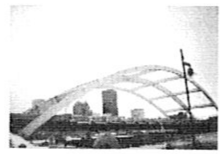
Every Picture Tells a Story

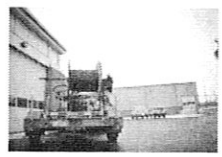


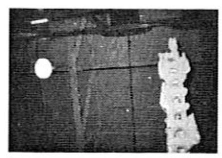





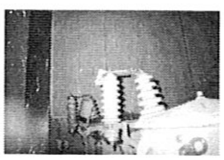
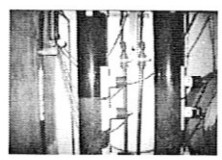
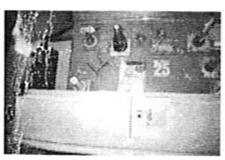
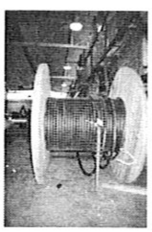






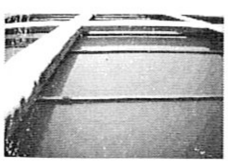


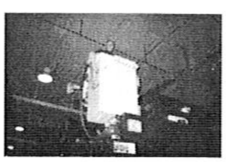


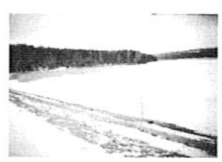


First Graders Explore City Infrastructure

Genesee Community Charter School

2007

Every Picture Tells a Story

First Graders Explore City Infrastructure

2007

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About the Authors and Photographers

We are the first grade class from the Genesee Community Charter School in Rochester, New York. In our school we learn a lot about where we live and how our city has changed through time.

For the past three months, we have been exploring some of Rochester's infrastructures. Infrastructures are things that help a city to grow such as roads and bridges, water pipes and sewage treatment and electricity.

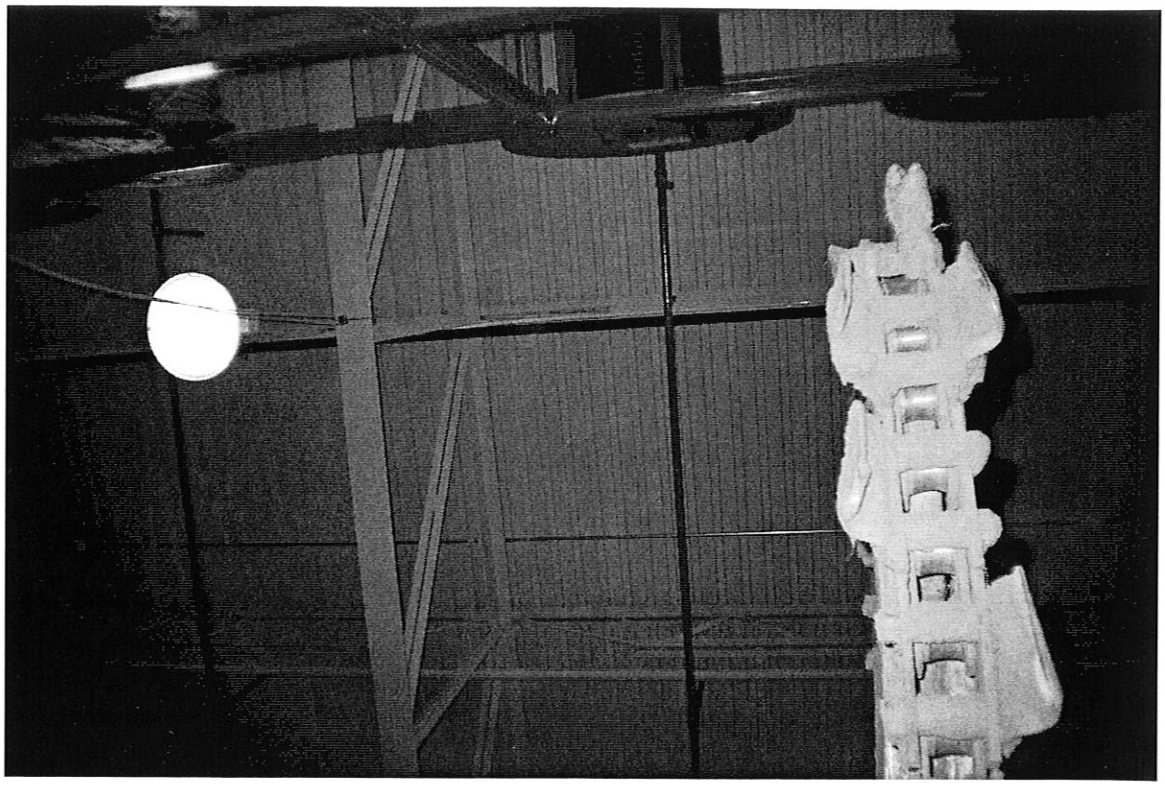
These infrastructures help people move around easier and get clean water. Electricity helps in a lot of ways by giving people light, powering machines that can help get a job done faster and powering machines that can keep us warm and cool.

We studied old photographs and worked with a photographer mentor who helped us learn how to read pictures. We then learned how to take pictures ourselves and began to take pictures of our city. We took a lot of pictures and looked for quality in not only our technique, like lighting and a clear lens, but if the picture told the story we wanted it to.

All photographs are original work.

We hope you enjoy the story of our city and make connections with wherever you live too!

Remington _____

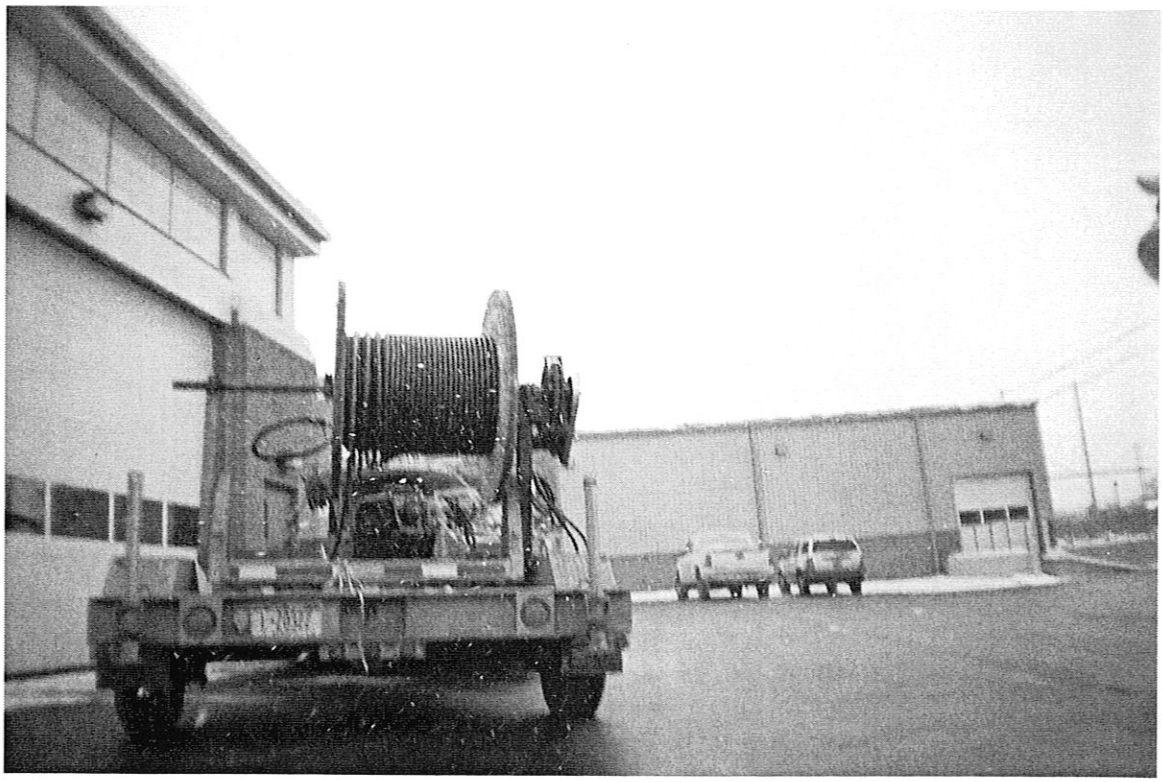


This is a trencher at Fairport Electric. It digs into the ground.
I took this picture February 12, 2007.

This is a trencher. The trencher puts a long line in the ground to put a new wire in. Electricity workers put the dirt over the wire so you don't even notice the line. The wire is safe and keeps people safe so they don't touch the wire.

This is a quality picture because it is in focus. I zoomed in and underneath the trencher so I could see the tip of the trencher and so I could see what it looked like underneath. You can see how wide it is.

McKenzie _____

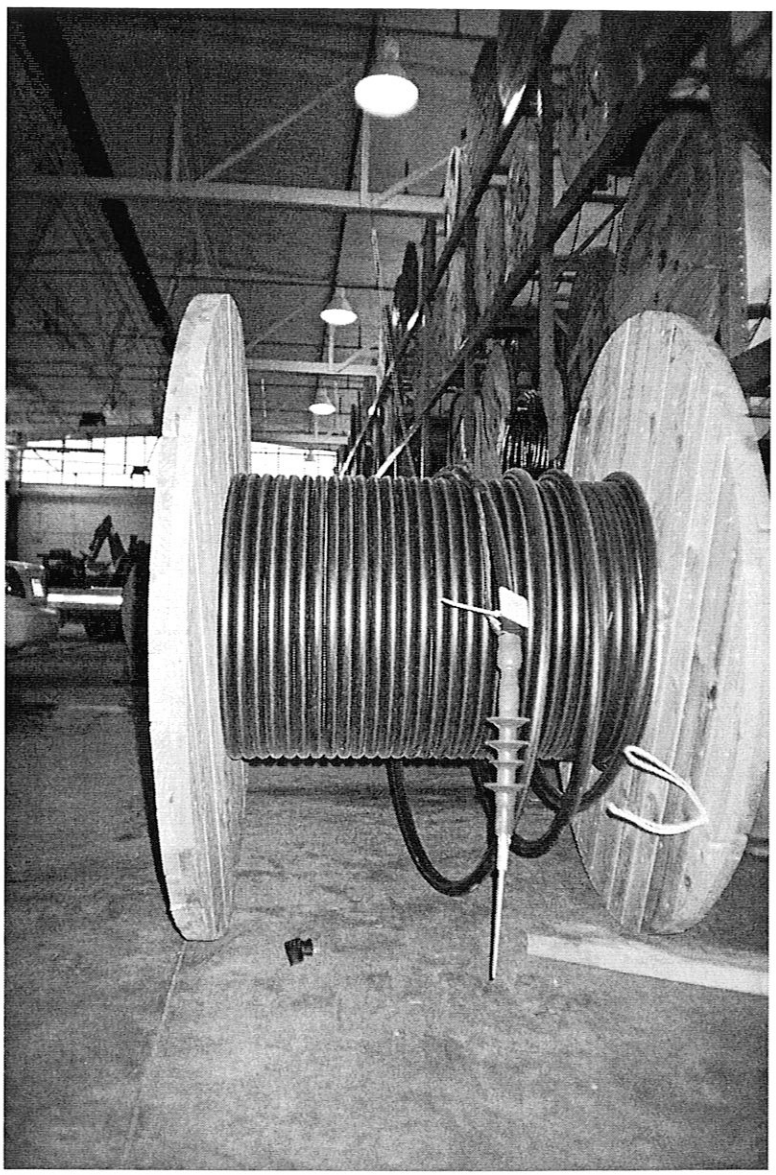


This is wire. It goes underground. It is at Fairport Electric on February 12, 2007.

This is a reel of wire. It goes underground to keep the wire safe. The wire lets the electricity go through to your home. It gives the electricity a path.

This is a quality picture because I focused on the reel of wire. I was far away and low so I could get more of the wire and what the wire was sitting on.

Maia _____

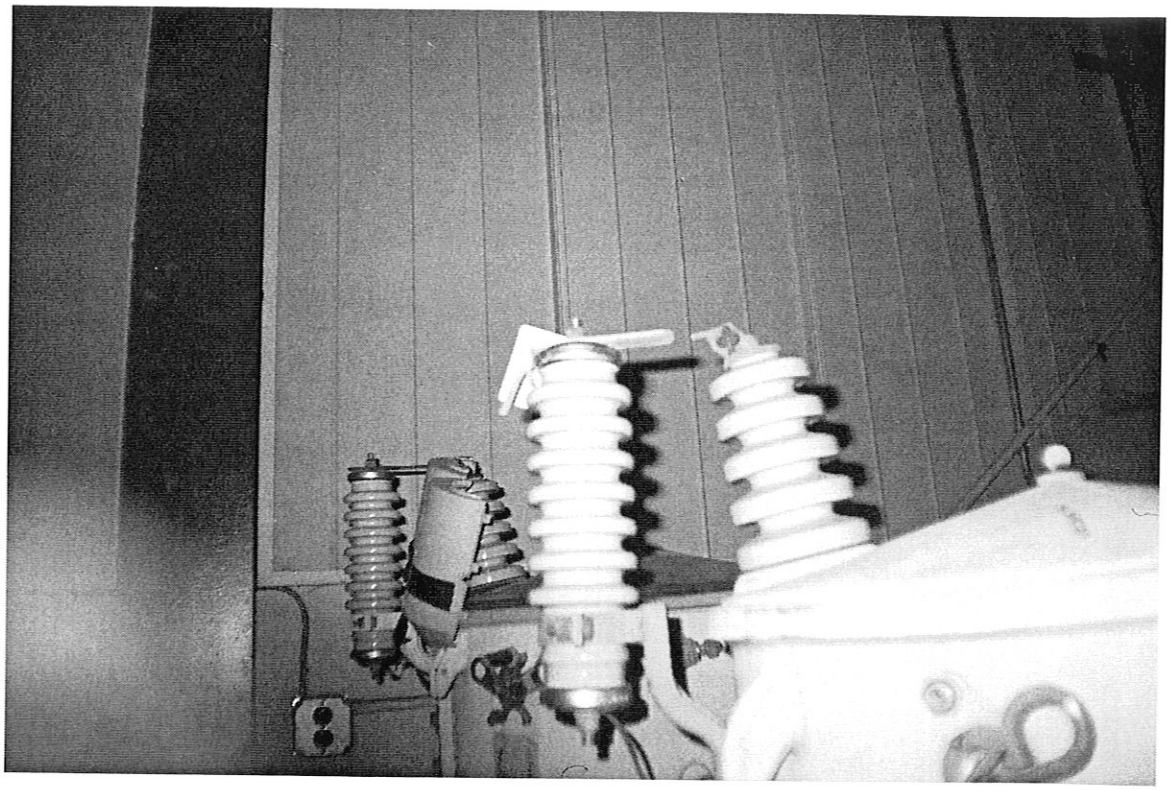


This is a reel of wire at Fairport Electric on February 12, 2007.

This is high voltage wire. Electric workers put it in the ground. It brings electricity to the transformer. It brings electricity to your home.

This is a quality picture because it is in focus. It is looking at the right subject. I used good framing. I was close up and low so I could see all of the wire.

Rafael _____



This is a transformer bushing. It brings high voltage inside the transformer. Fairport Electric. Monday, Februrary 12, 2007.

This is a high voltage transformer. It lowers down electricity. The small and fatter bushing brings the electricity inside the transformer, the other part is the longer skinny lightning arrestor. When lightning hits, the lightning arrestor stops the lightning and sends it down to the ground.

This a quality picture because the subject is in the middle. The bushing and lightning arrestor are in focus. I zoomed in so I could get just the bushing and the lightning arrestor in the picture.

Jonathan _____

This is a transformer! It lowers electricity. This was taken at Faiport Electric on Monday, February 12, 2007.

This is a transformer. It helps people. The transformer lowers electricity. There are return wires because the electricity has to go back to the power plant. Some electricity goes places like restaurants or houses and hotels.

This is a quality picture because it is in focus and I used good framing. The lens is clear and the picture tells the story. I zoomed in and was low because I couldn't go high. If I was far away you could barely see the transformer.

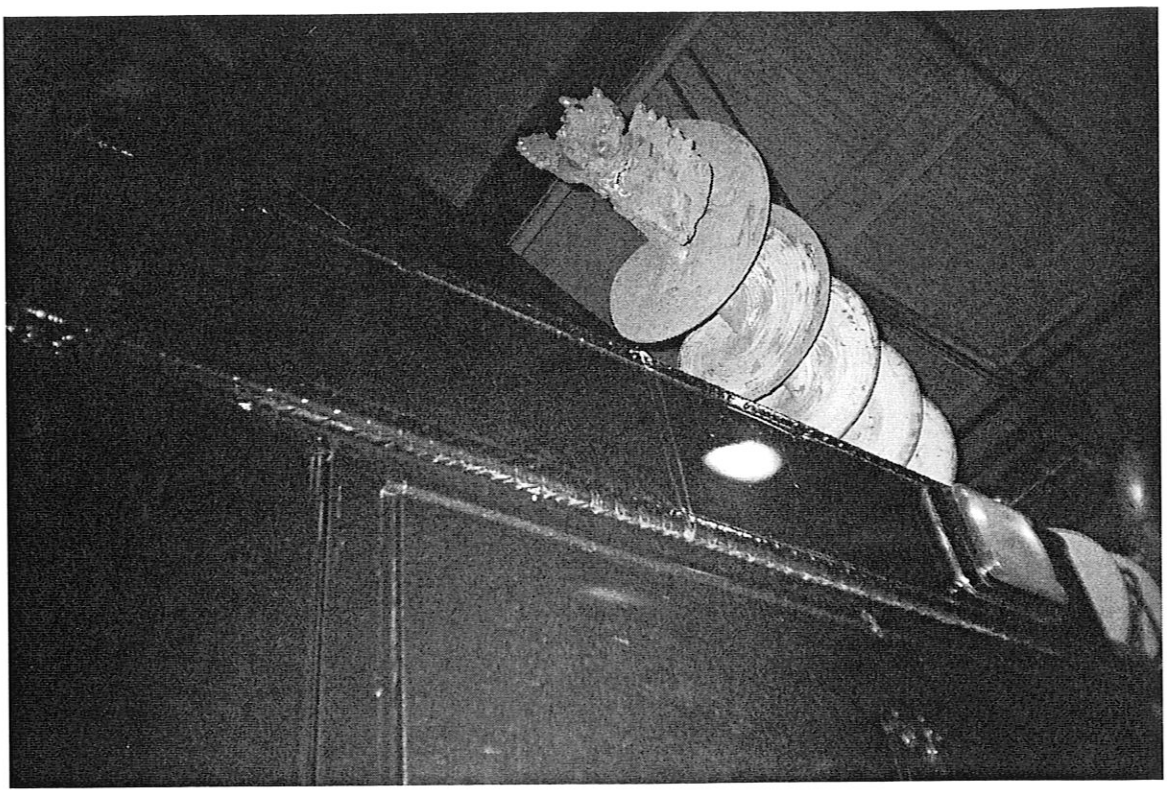
Traiva

This is a transformer. It was taken on Monday at Fairport Electric. My transformer goes to another transformer.

This is a transformer. The transformer lowers the electricity so we can use the electricity safely. You can never open a transformer. If you open a transformer, it is dangerous because there is high voltage electricity going through.

This is a quality picture because I used good framing to see the inside of the transformer. The transformer is in focus. I zoomed in and was level so I could see the whole transformer.

Luke _____



This is an auger. The auger digs holes. It is at Fairport Electric Monday, February 2007.

The auger makes holes in the ground so poles fit in the ground. The poles have wires on them. There is a return wire that goes back to the power plant and a going wire that goes to your house.

This is a quality picture because I used good framing. I took my picture low so I could get the tip of the auger to show. I couldn't get above the auger. The tip helps dig the holes in the ground.

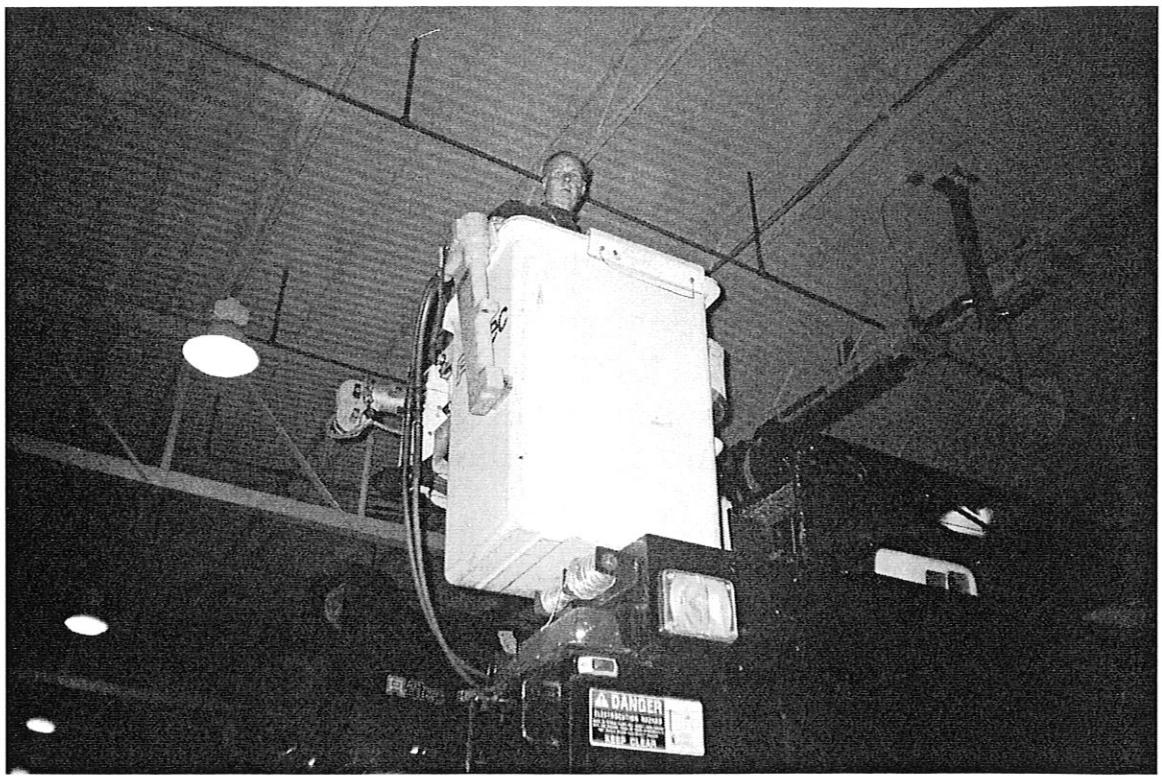
Kathryn _____

This is a switch pole. It was taken at Fairport Electric on Monday, February 12, 2007. It holds electricity wires.

This is a switch pole. It holds electricity wires. The wires go to a house. The switch pole can change the direction of electricity. If there is a part of the wire that is blocked, like if the wire is broken, the electricity can switch and go the other way.

This is a quality picture because it is my best one. The switch pole is in focus and the picture shows the switch pole is my subject. I could tell the story of electricity. A pole has wires on it and the wires bring electricity to your house. I turned the camera so I could get the whole pole.

Timothy



I have the photograph of the bucket. It lifts up the linemen. The linemen fix up the wires that go to houses. February 2007.

The bucket truck lifts up the linemen. The linemen fix up wires that go to people's houses. Electricity is electrons jumping from atom to atom. When a wire is broken, the electricity can't be used. It's not a circuit anymore and the linemen have to fix that.

This is a quality picture because I do not have too much light. I do not have too many details.
I took it close up and low so I could get the whole bucket and all its parts.

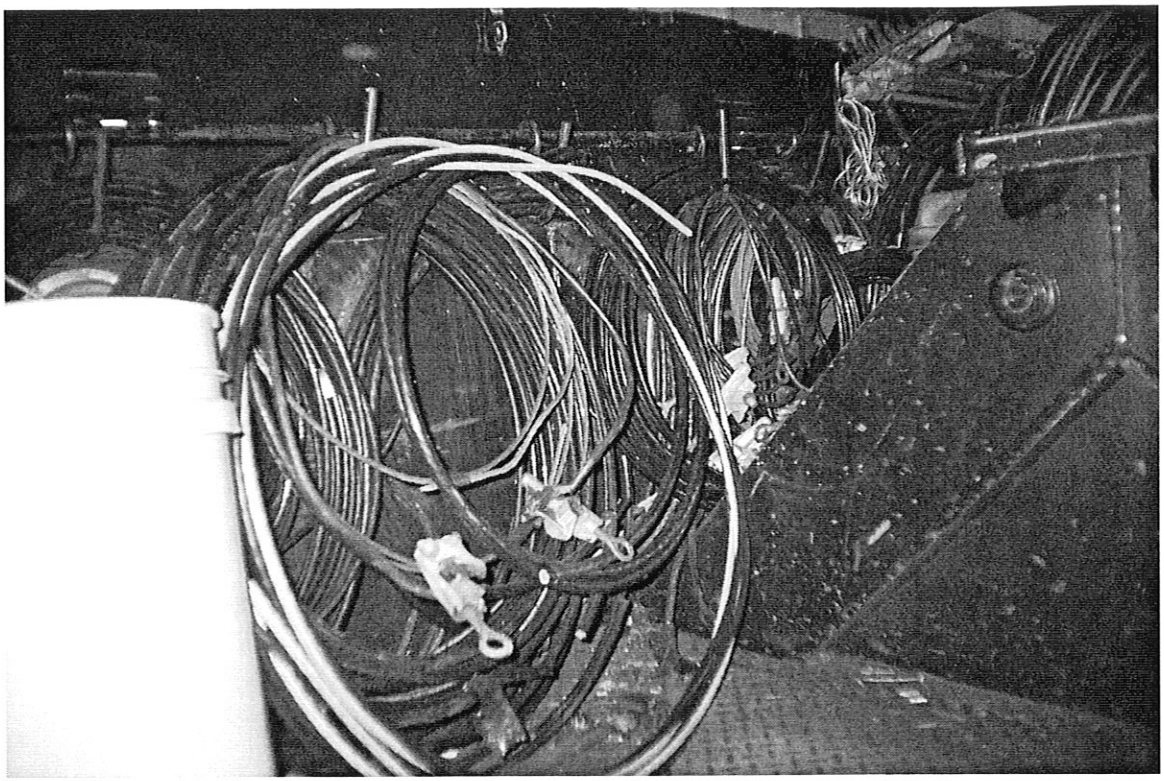
Graham _____

This is Paul Kolb in February 2007. He is wearing rubber gloves and sleeves at Fairport Electric.

These are gloves and sleeves. They protect people that work with electricity from getting killed from the electricity in the wires. The gloves and sleeves are made of rubber. It's an insulator. Insulators do not let electricity through.

This is a quality picture because the picture is in focus, I used good framing and the lens is clear. I went low and zoomed in so no one else would be in my picture and so I could see all of him and he is in the middle.

Ashton

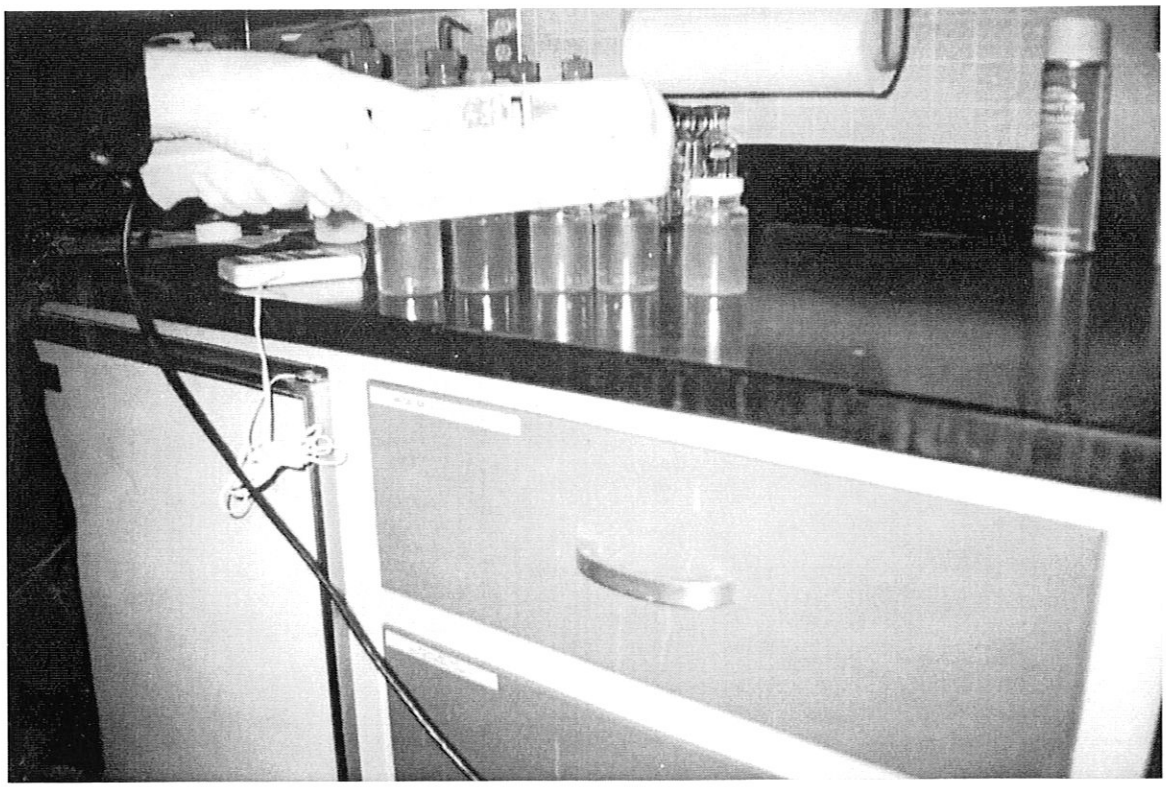


This is a coil of wire. They are for fixing a wire. Fairport Electric. February 12, 2007.

The coils of wire are for fixing wire so we don't get hurt and we don't get shocked. It is dangerous. If the rubber wasn't on it we will get hurt. Electricity gets to your house safely so you can use things.

This is a quality picture because it tells a story of the coils. It is in focus and it shows my subject. My subject is coils and wire. I was level and high so I could see all of the wire. I zoomed in so people can see my subject better.

Jake _____

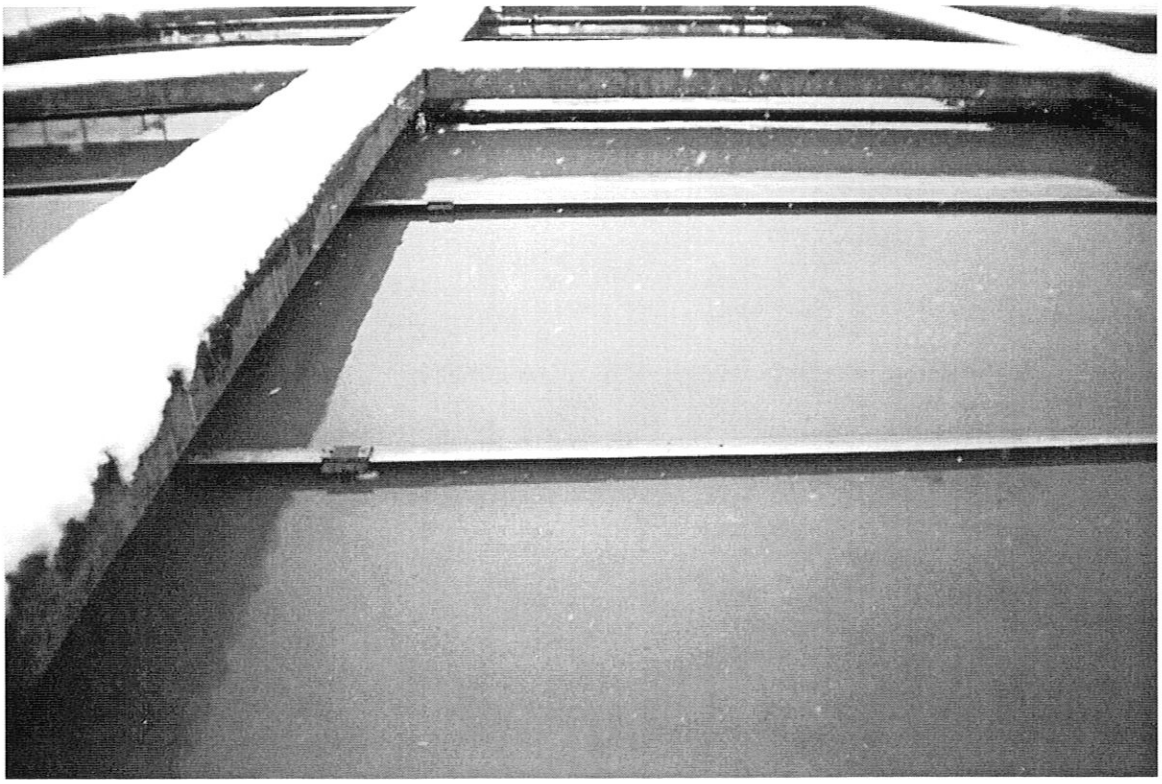


This is the lab at Hemlock Lake. There is a Scientist waiting for the water to turn blue. I took it last month.

In the lab, they put chemicals in the water to see if the water is clean. A Scientist is checking the water. If the water turns blue, it means that it is clean. If the water is yellow, it means that it means it is not good.

This is a quality picture because it teaches us about water. The subject is in the middle. I zoomed in so I could see the jars of water close up.

Finn

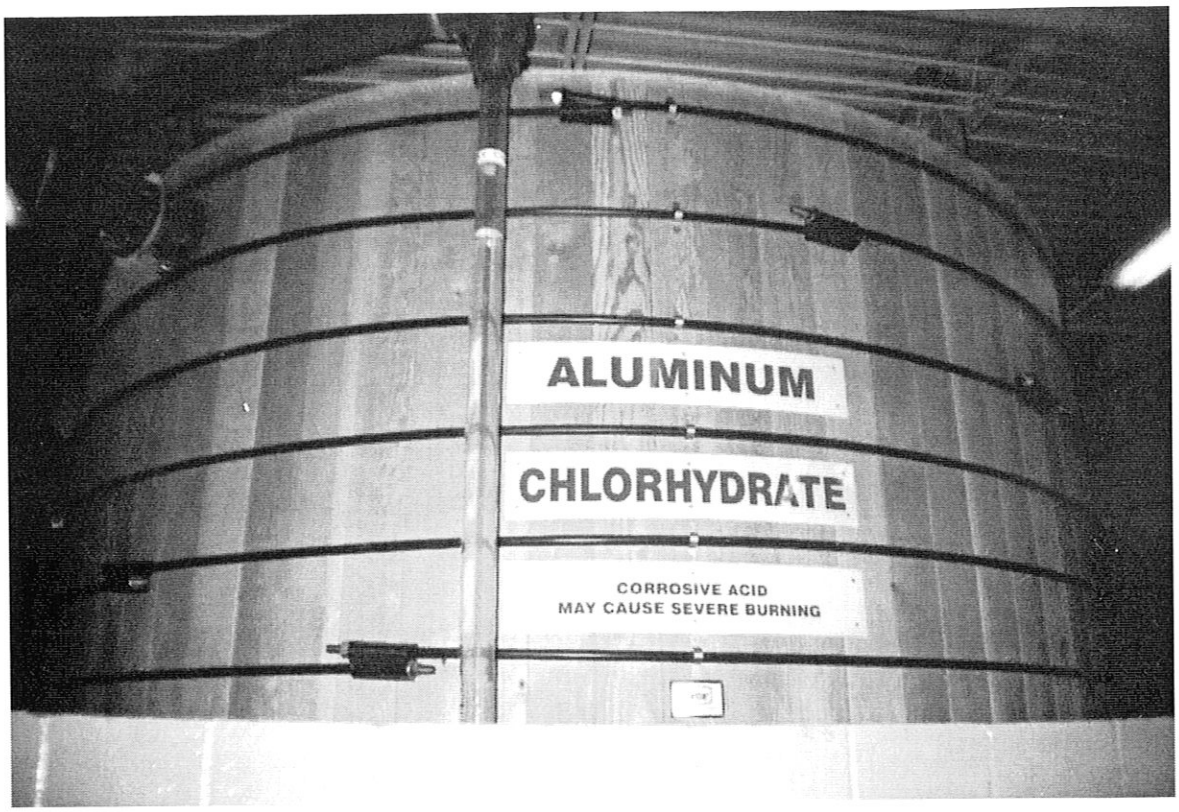


These are the cleaners at the Sewage Treatment plant in 2007.

This is the primary basin at the Sewage Treatment Plant. It is the one of the first places the dirty water goes. The grease goes to the top and the sludge goes to the bottom. Both of those things get taken out before the water goes to the next basin.

This is a quality picture because it shows the scummers of the primary basin and there is nothing in the way like my finger. I chose close and low so I could see the water and the cleaners better.

Nolan _____

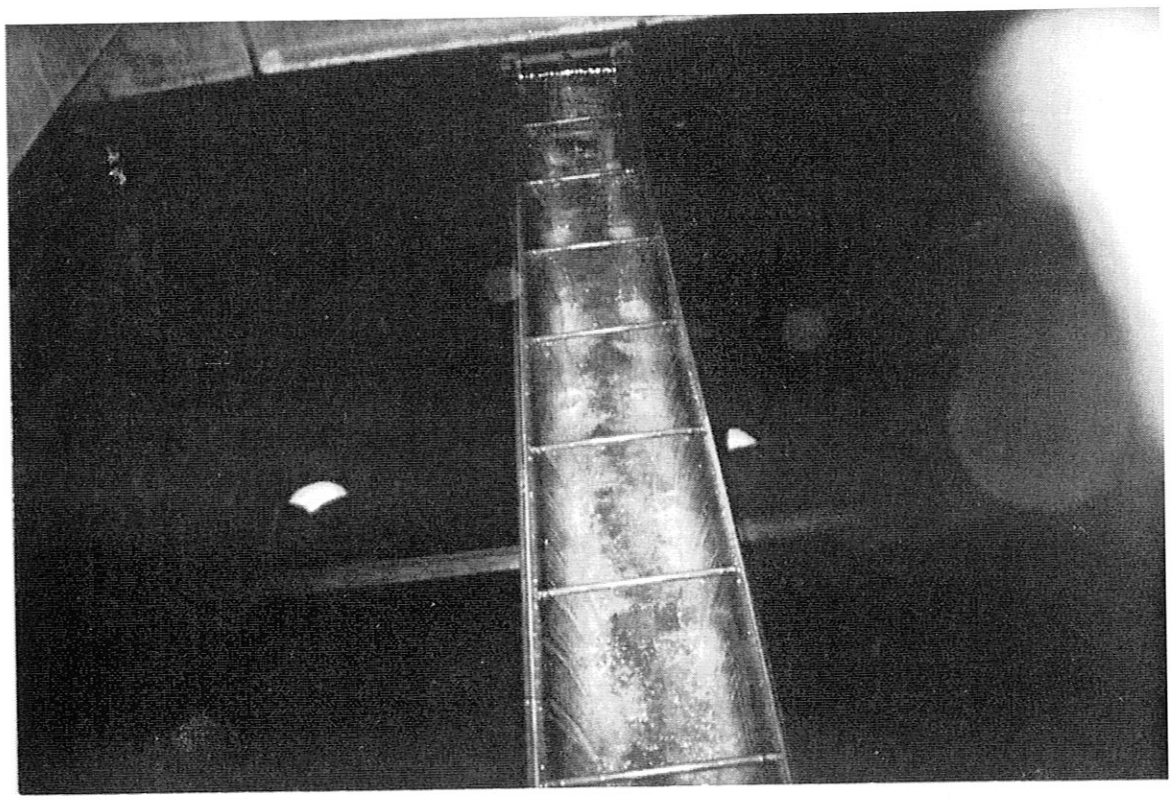


This is a tank of chemicals at Hemlock lake. I took it on our field study.

This is a tank of chemicals. The chemicals clean the water so people could drink the water. Scientist have to be careful to add the right amount of chemicals so people don't get sick.

This is a quality picture because I got just the subject in the picture. I chose high and close because I wanted to see what the tank looked like and have only the tank in the picture.

Kieran _____



That's a big filter at Hemlock Lake when we were on our field study.

This is the big filter at Hemlock lake. If the water is dirty it goes in the filter. When they backwash the filter, the water bubbles and rises. They backwash the filter so it gets cleaned out.

This is a quality picture because I took it in the light while the water was going through. I chose high so I could look down on the filter.

Gianni _____

This is Hemlock lake in the winter.

This is Hemlock Lake and it is frozen. This is where we get our water from. Water goes through pipes from Hemlock Lake down hill to get cleaned then it goes to people's houses in Rochester.

This is a quality picture because it has most of the lake in it. I chose high because if you are up high you get more of the lake in the picture.

Chyna _____

This is Hemlock lake in the winter.

I am at Hemlock Lake taking a picture. The water we drink comes from Hemlock Lake. Before we drink it, it has to be cleaned.

This is a quality picture because it shows the details of the lake like the trees in the background.
I chose high and far so that the background would show.

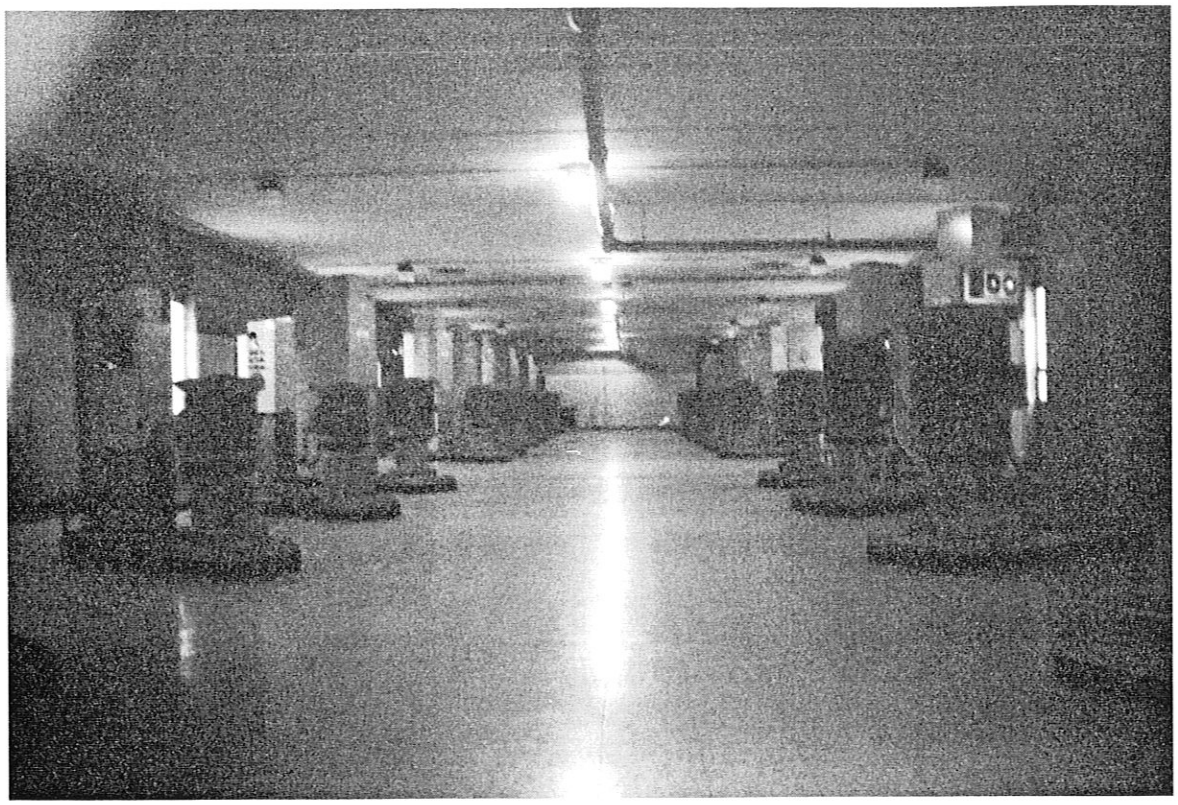
Isabella

This is the aeration basin at the Sewage Treatment Plant. It was taken in February 2007.

This is the aeration basin. The bubbles make the bacteria eat the dirty water. The aeration helps the water get cleaned. This is at the Sewage Treatment plant.

This is a quality picture because I got the different parts of the aeration basin. The electric part is helping the spinner to move. I chose low because when I took the picture from high, the railing was in the way.

Cabral

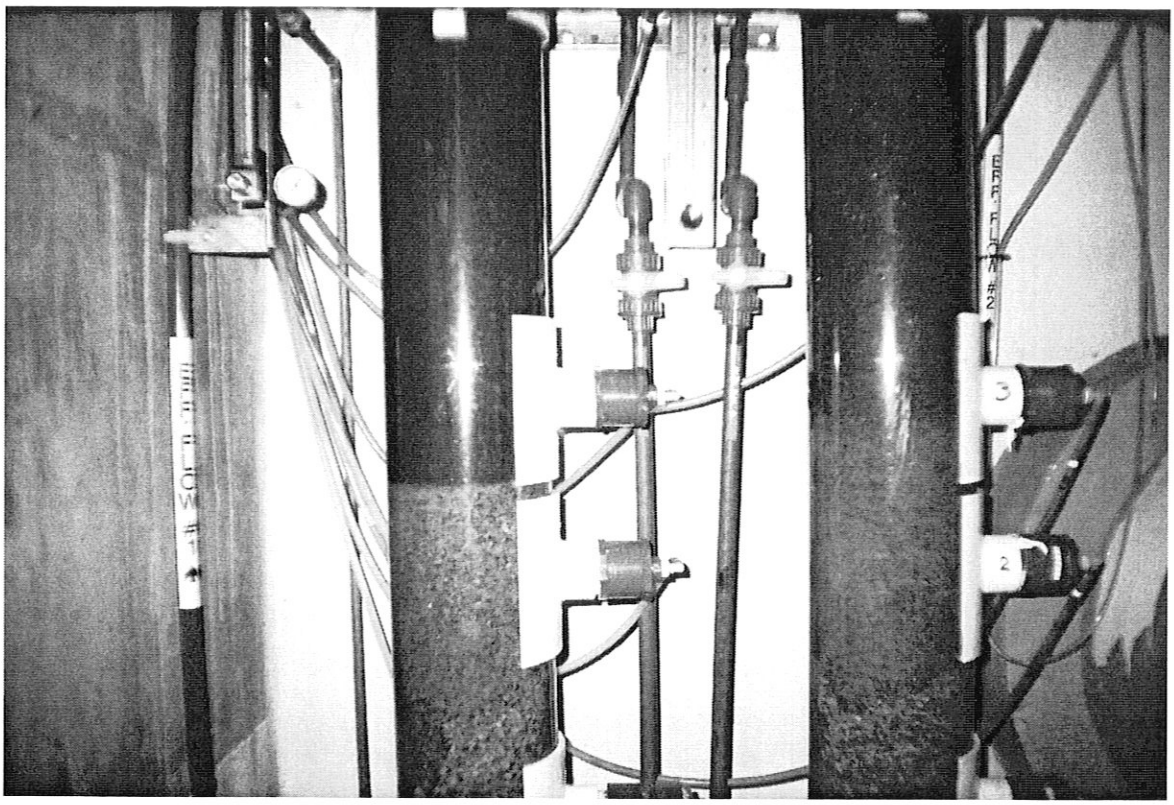


These are some motors at the Sewage Treatment plant in February 2007.

These are motors at the sewage treatment plant. They power the basins above ground that clean the water.

This is a quality picture because it teaches us about how the basins at the Sewage Treatment plant work. I took the picture from far away because it lets me see more.

Remington J. _____



This is at Hemlock Lake. It is a filter. We went there to see it in the afternoon.

This is from Hemlock Lake. It is a filter. It cleans the water so you can drink it. It is made out of gravel and charcoal and sand.

This is a quality picture because it has everything we talked about like good subject and perspective. I chose to zoom in because when I took the picture from far away there was black stuff in it.

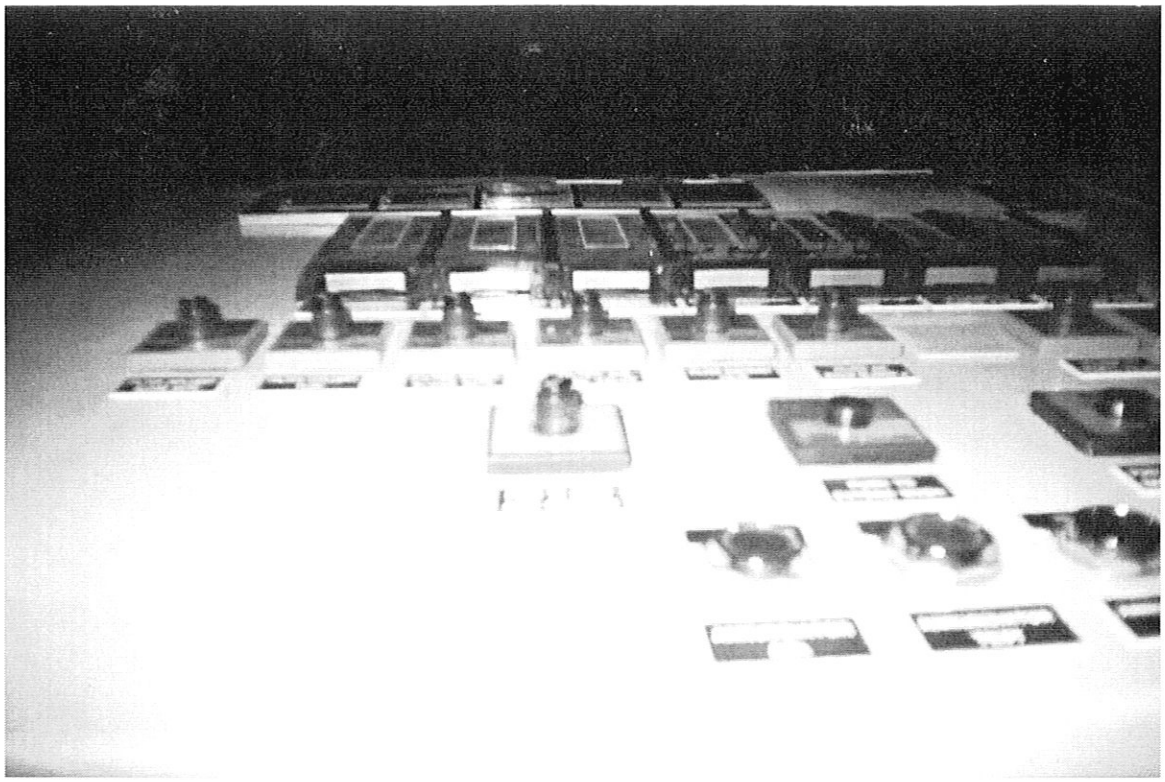
Miles _____

This is at Hemlock Lake on our field study. These are chemicals.

These are chemicals. You cannot drink them because you could be poisoned. These chemicals are used by Scientists to see if the water is clean.

This is a quality picture because it teaches us about testing water. I zoomed in so that I could see the chemicals close up.

Amany _____



This is a machine for telling how much chemicals to put in the water. It is at Hemlock Lake. I took it on a field study.

This machine tells how much chemicals Scientists should put in the water at Hemlock lake. If Scientists don't put the right amount of chemicals we could get sick.

This is a quality picture because I got all of the buttons in and I zoomed in. I zoomed in so I could get some of the buttons in the picture.

Maya _____

This is the Troup-Howell Bridge in Rochester. It is safe to go over. I took the picture in the winter of 2007.

In the old days some bridges were made out of wood. Now some bridges are made of metal. There are suspension bridges, beam bridges and arch bridges. The Troup-Howell Bridge is an arch bridge.

This is a quality picture because I got the whole bridge and it is in focus. I took the picture close-up because I wanted to see the cables.

McKenna _____

This is the Troup-Howell Bridge. It is in Rochester. We went in February, 2007. Cars can go through it!

The arch is strong. One arch has a keystone. A keystone is the middle stone or brick that holds the arch together. Stone and brick arch bridges have a keystone. The Troup-Howell Bridge does not have a keystone because it is metal.

This is a quality picture because it has good framing and it tells the story I wanted. I took it low because you can really see the trucks and the cables.

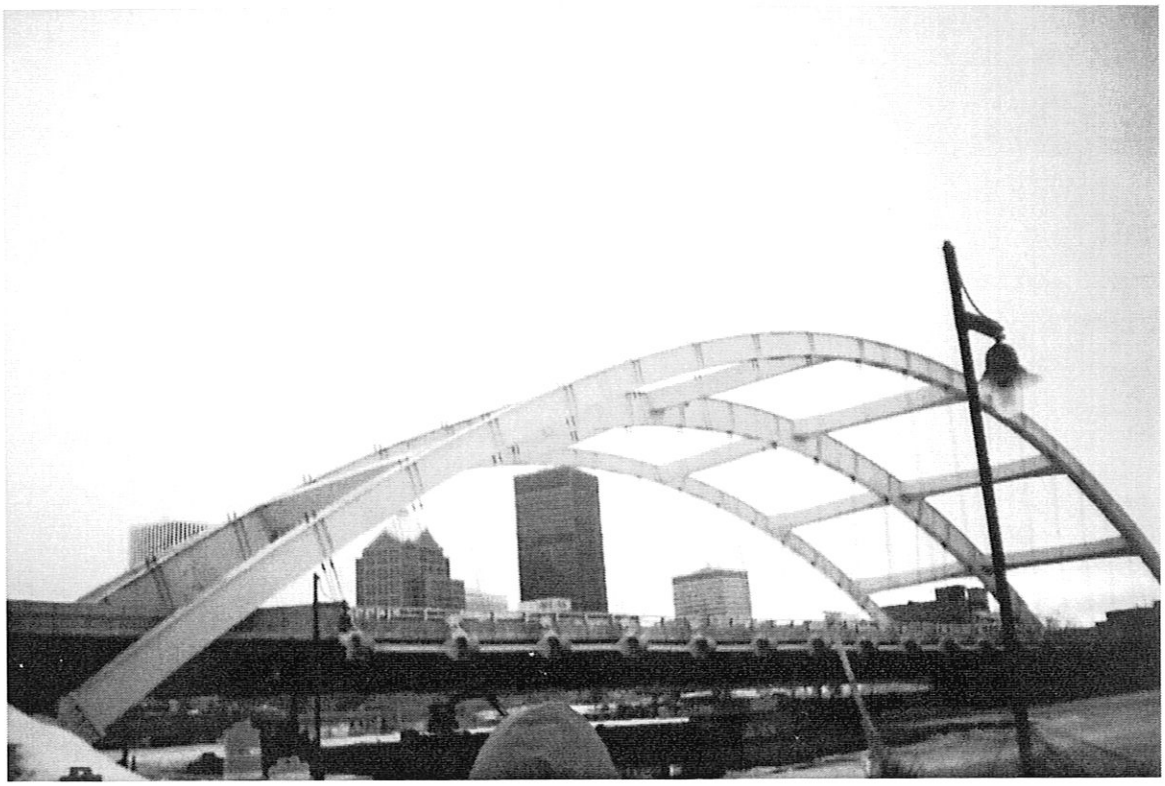
Alana _____

This is the Troup-Howell Bridge. It is a new bridge. It makes it easier to cross the Genesee River. It is in downtown Rochester. I cross it every time I go to my Grandma's house.

An arch bridge makes it an arch bridge because it has an arch on the top or the bottom. It is easy to spot an arch bridge. All arch bridges are shaped like a half of a circle or a rainbow.

This is a quality picture because my bridge stands out. It looks different then everything else. It is different because it has a bigger arch then the other bridge and because it is a bigger bridge. I used a far-away perspective.

Katie



This is a white bridge. It's called the Troup-Howell Bridge. The picture was taken in February 2007. Cars and trucks go under the arch. It is in Rochester. It's there because you need to get to the other side.

The Troup-Howell Bridge is an arch bridge and not all arch bridges have water under them. If there wasn't water, there could be trucks or trains under them. The Troup-Howell Bridge has a building next to it.

This is a quality picture because it is in focus. There are lots of important parts on the bridge and you can see them. I zoomed in because I could see the whole bridge and I really wanted the whole bridge in the picture.

Matthew _____

This was taken in 2007 in winter. This is the Broad Street Bridge. It is an arch bridge.

This was a very old bridge. Back in the old days there was a subway and water on top. There were boats on it too. It is the Genesee River that goes under it.

This is a quality picture because it is in focus and nothing is covering up the lens. I was close-up on the bridge because you can really see the arch and the keystone.

Haley _____

I am taking the picture of the Broad Street Bridge. It was a bridge where the Genesee River is going under it. I took it in winter in 2007.

The river was there before the bridge. Then the boats went on it. The boats carried their stuff over the Genesee River. Then they built the subway. Now it's all black and there's drawings on the walls. It's old and very, very dusty.

This is a quality picture because it is not blurry. There are no people or fingers in front of the lens. I zoomed in so I could see the pictures on the walls.

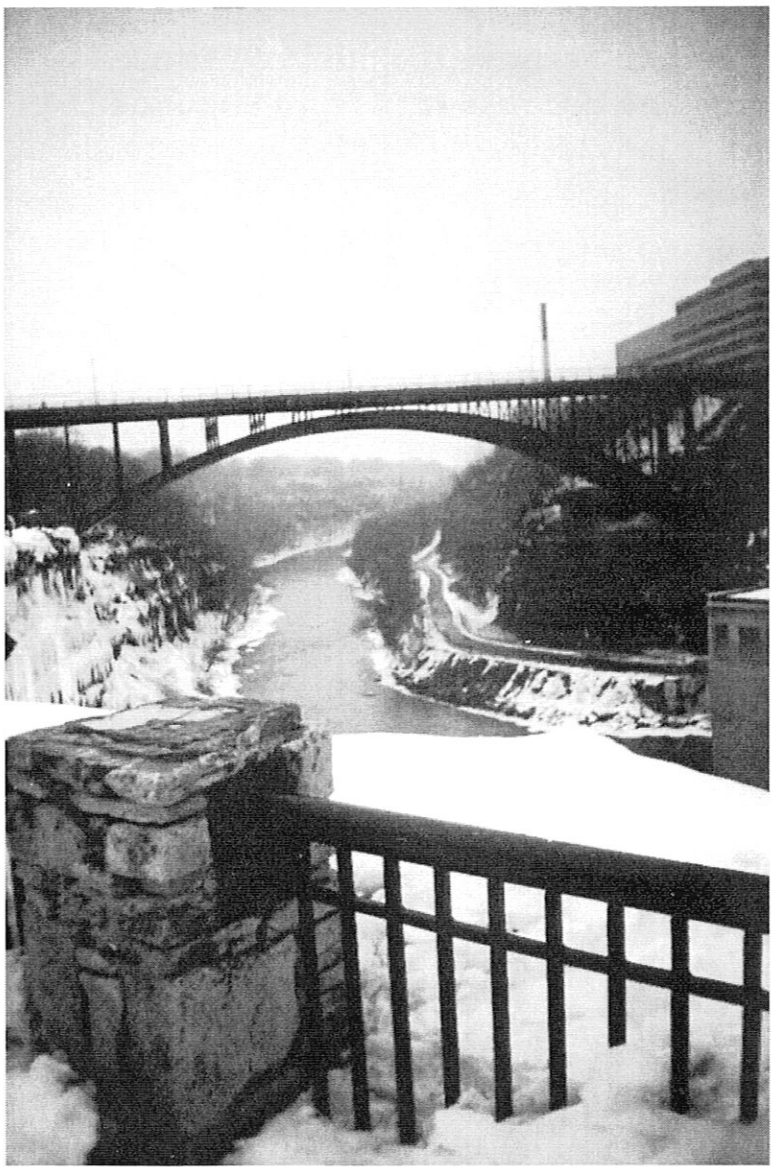
Mariah _____

This is the Driving Park Bridge. It was winter when we went. This is an arch bridge in Rochester.

It is an arch bridge because it's curved. It used to be different a long time ago because it used to be made out of wood. The arch bridge now is made out of metal. It used to be old and dusty.

This is a quality picture because I like the colors and the way the snow looks. I took the picture far-away. I took the picture here because it was better and there were no trees in the way.

Trinity



This is a picture of the Driving Park Bridge. It is an arch bridge. The Genesee River is going through it. Cars go over the bridge. The picture was taken in Rochester on February 22, 2007 in the winter.

The Driving Park Bridge is an arch bridge and the Genesee River is going under it. The cars would not be able to go under, only on top. Arch bridges are strong and the reason they are called arch bridges is because they have an arch. An arch bridge is important to the community. If the Driving Park Bridge wasn't there people and cars would not be able to get over and go downtown.

This is a quality picture because the bridge is in the middle. I picked this picture because it has the Genesee River. I took the picture far-away because I knew it would be a nice view of the bridge.

Christina

This is the Driving Park Bridge. This is an arch bridge. I took this picture in the winter. It is in Rochester.

This is the Driving Park Bridge. This is an arch bridge. The deck and pier are parts of a bridge. The deck lets cars get from one place to another. The piers keep the bridge up so it doesn't fall. They made this bridge a long time ago.

This is a quality picture because I like the colors in the picture. I liked the falling snow. It is in focus. I was far away because then we would see the water.

Thank You

We would like to thank the following people who helped make this book possible.

Mark J. Watts, our photography mentor

All of our parents, chaperones, and bus drivers

Don Bell from Van Lare Sewage Treatment

Our friends at Hemlock Lake Water Filtration

Fairport Electric-especially Mitch Wilke and Paul Kolb

Our Arts Team; Mrs. Valle, Miss Morell and Mrs. Haymond

Dr. Wing and Mrs. O'Malley, Mrs. Henry and Mrs. Wordsworth

Paul Way, Manager of Street Design for Rochester, New York

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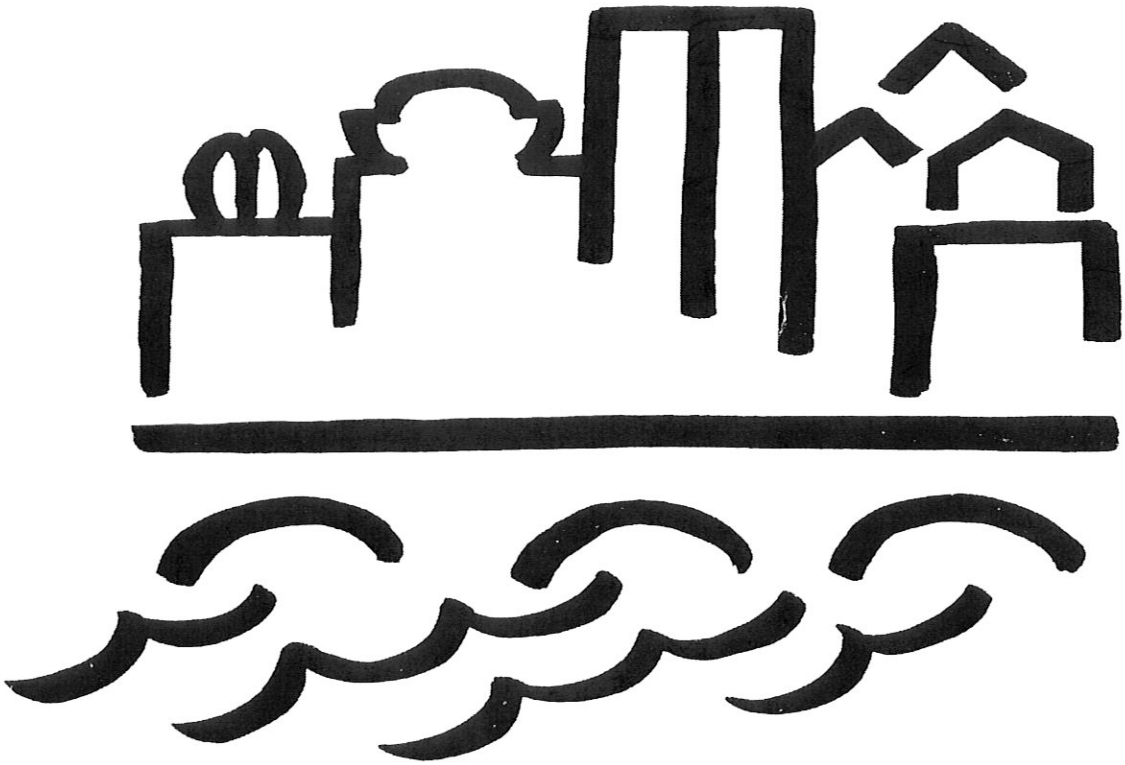

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