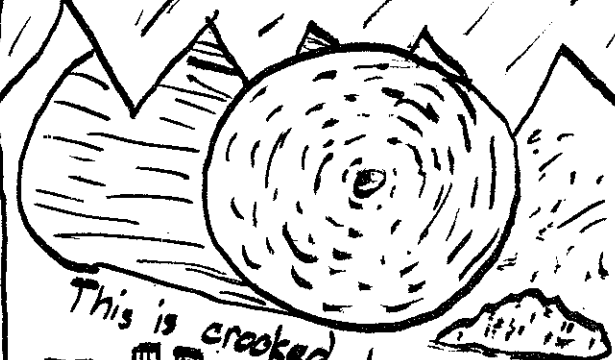


Go to:
Brown Middle School

SAWMILL

July
17th
2006






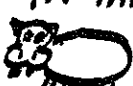
BROOK

This is crooked because I held the paper crooked. Don't judge me.
Wedge !!!!!!!

Leaders: Mike "purple cow vetch"? more like purple small vetch if you ask me.
McLellan · 617 · 244 · 0998 · Nate "Destiny's Child's #1 fan" Kaufman · 617 · 988 · 4144

Did you bring your stuff? :

Field kit, plenty o' wa-wa-weewa,
rain gear, a ripe pear, a big
enough lunch to share with leaders
two of every animal. YAWOOZA

Oh sawmill brook! If ever there was a
brook that wasn't a sawmill this is it.
So why is this sawmill brook so misguidingly
named? Well the answer to this question
lies in ancient Norse Mythology when Frigga,
wife of the all powerful Odin, wrote into the American Constitution that
henceforth all brooks shall have confusing names (see Cheesecake brook)
and that the letter "L" will be replaced with a hippo. But history
aside, it's time for science. Sawmi  Brook is what we like to call
land by "call" I mean "ca " (please don't strike me down, Frigga)
a tributary which in layman's terms means it feeds into a river, in this
case the Char  es. Oh dear I don't think I 
escape Frigga's wrath today. So prepare for a fun-filled day
full of fun, fun, lack of sawmills, a brook, fun, the wrath of
ancient gods
and fun. Did I
mention fun?
↑ (oh jeez this harder than I thought)

In case of Emergency, your child will be brought to:
Newton Wellesley Hospital: 617-243-6000.
This program must comply with the regulations of the Massachusetts Dept. of
Public Health and must be licensed by the City of Newton Health Department.

SAWMILL BROOK

LEADERS: NATE KAUFMAN (617-969-4144), MIKE McLELLAN (617-244-0998)

WHEN: JULY 17, 2006, 9:00 AM - 4:00 PM

WHERE: MEET AT BROWN, THEN WE WALK TO SAID BROOK

WHAT: HIKING BOOTS, LUNCH, ≥ 2 LITERS OF WATER, DAY PACK, FIELD KIT (INCLUDING EVERYTHING NORMALLY INSIDE), A ROOKERY

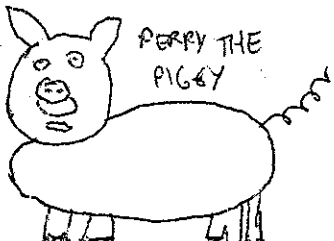
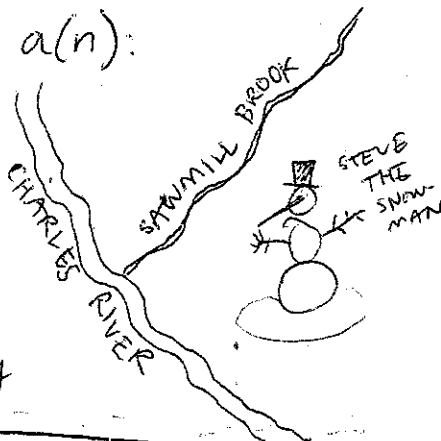
Wow! Sawmill Brook! Perchance the most exciting trip of the program to date!? Wow!

DID YOU KNOW?



SAWMILL BROOK is a tributary of the one and only Charles River! The very same river that we so often see in other Envi-Sci trips! That makes Sawmill Brook a(n):

- (A) Estuary
- (B) Tributary
- (C) Quaternary

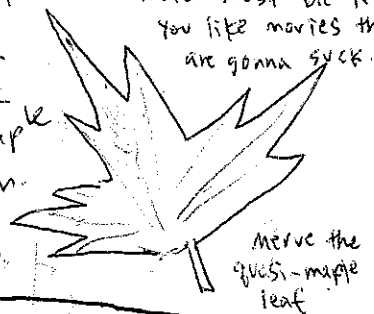


THIS BANNER IS USELESS!!!!

THOSE of you who are 2nd-time returners should remember that for Clean Up Day in 2004, we went to Sawmill Brook to give it some nice paths & pick up trash, as the City of Newton had recently purchased a whole lot of property there, and needed the program's help to make it purty!

Sawmill Brook has a whole lot of maple trees. This doesn't look much like a maple leaf, though. MY B.

Go see John Tucker must die if you like movies that are gonna suck.



In case of Emergency, your child will be brought to:
 Newton Wellesley Hospital: 617-243-6000
 This program must comply with the regulations of the Massachusetts Dept. of Public Health and must be licensed by the city of Newton Health Department.

SAWMILL BROOK

LEADERS: NATE "ALFREDO" KAUFMAN
(617) 796-7762

JEFF "LASAGNA" HUENEMOERDER
(617) 332-9506

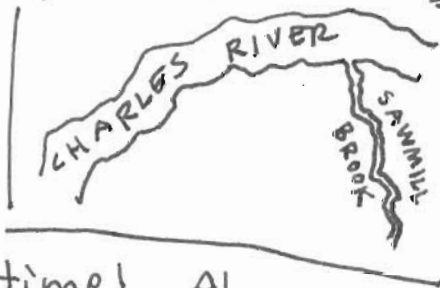
Trip # 8
July 11, 2003

TIME: 9AM-4PM

PLACE: BROWN M.S.

EQUIPMENT: FIELD KIT, A BIG LUNCH, LOTS OF WATER,
SUN BLOCK, RAIN GEAR, A GROUP EMBLEM

Sawmill Brook: Neither a saw, nor a brook. Oh wait,
it is a brook. But other than a brook, what is
it? Here's a hint: it feeds into the Charles River.
And here's another clue for you all: The walrus
is Paul. Googoojoo. Have you guessed yet? That's
right. It is a tributary of the Charles River. Observe:



Not a very strenuous hike, this one.

But it's fun. And with the help

of me, Huenil, and all your Envi-

Sci groupmates, we'll have an awesome

time! Also, the brook is located in a dense maple

trees there. And maple trees are really cool.



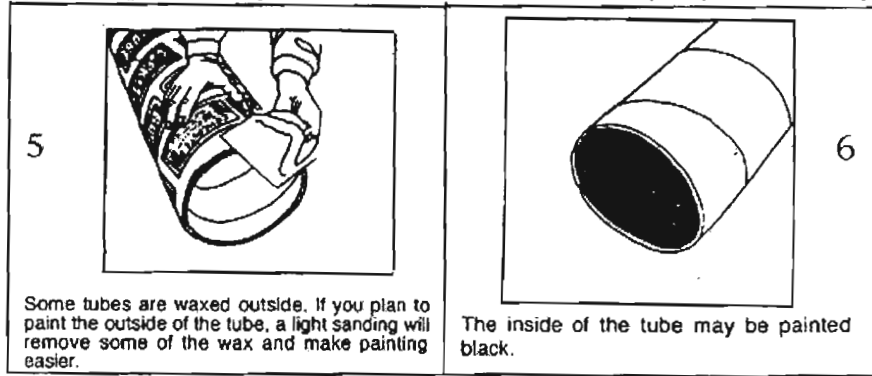
MAPLE
LEAF

WALRUS
(PAUL)



THE ENVIRONMENTAL SCIENCE PROGRAM 2002 | ts#3.

Today's goal: stop watching re-runs of *Who's Line is it Anyway* on Comedy Central.



Each panel tells a story – right?

These trip slips are truly deep, however, I leave it to you, the tripslip-ee to stay alert and sift through the non-sense (of which I admit there will be plenty) and blatant disregard for line-breaks and somehow find the quality information that will prove to be immeasurable in the days to come.

~

This trip slip conveniently printed on post-aqua-fresh-whitening teeth white paper...yea, still white. {look for other colors to appear on future trip slips, courtesy of Kinko's}

Today and/or tomorrows trip (depending on when you read this):

SAWMILL BROOK.

SHALLOW CURRENTS AND NO LIES.

~

Pertinent Information:

Ts# (trip slip number): 3

D|t (date and times): July 3, 2002 | 9am-4pm

Ml (meeting location): Brown middle school

L (leader): Jonathan Rivnay {617.527.1849}

vEq (various equipment): *Hiking Boots, Water, Lunch, Field Kit (Raingear, First Aid, etc.), Bug Spray, Compass & Map, if you have them, and Long Pants wouldn't hurt, we may do a bit of bushwhacking...*

~

Informational Haikus {i5|7|5}:

Twenty eight acres
Heavily populated
Stream must be dirty

Dumped waste seeps in you?
Yet, flow into the Charles?
You must be kidding!

Li'l tributary
You will not go untested
We'll find what ails you (?)

pH? Log'rithmic!
Zero acid, fourteen is base
Seven is neutral.

~

Boston.com predicts:

Wednesday,
July 3, 2002



p. cloudy
H97 / L75

Beach weather will continue, with hazy sunshine and hot and humid conditions expected. Highs will be in the mid to upper 90s, lower 90s at the coasts. Late afternoon showers and thunderstorms are likely.

My conclusion: again, bring your raingear and lots of water..97?!

Meet at: BMS Times: 9-4
 7-12-02
 Trip slip #9

Leaders: Sarina, Sarina, who's never had Farina ☺
 (969-3966)
 Nate, Nate, who is often irate ()

This is my head, so you'll know who to look for in case you ever lose me.



Sawmill Brook



Equipment:
 Boots, lunch, H₂O (lots)
 Field kit, a glass of Sake for each leader

Sawmill Brook is neither a saw nor a mill, but it is a brook. Fancy that, eh? Yeah. So how do you think this brook came to exist? How many ways can rivers and such be formed?

- a) one way only
- b) .33
- c) lotsa ways, I'm not really sure how many, so I hope some wise leader will teach me

(Doo doo doo doo doo doo doo...)
 ↑
 Jeopardy song



If you answered (c), you and four friends win a full paid vacation for two weeks in Honolulu/ nothing at all, depending on the whim of your leaders. Mwaha ha! We'll discuss the formation of rivers & streams & things tomorrow.



FUN TIME TRIVIA:

- 1) Moose are a type of...
- a. woodcock (heh heh it's a kind of bird)
 - b. elk
 - c. deer
 - d. llama

- 2) What is the name of New Zealand's Rugby Team?
- a) The NewZeas
 - b) The Not-cool-Enough-To-Be-in-Australia's
 - c) The All Blacks
 - d) The Sarina-and-Nate-Kik-booty's

Trip slip # 9

7/12/02

SAWMILL

Brandon

BROOK

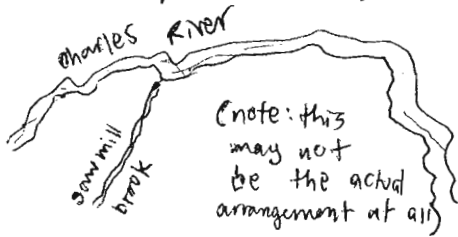
with... Nate! (617-969-4144)
and... Sarina! (617-969-3966)

Time: 9AM-4PM

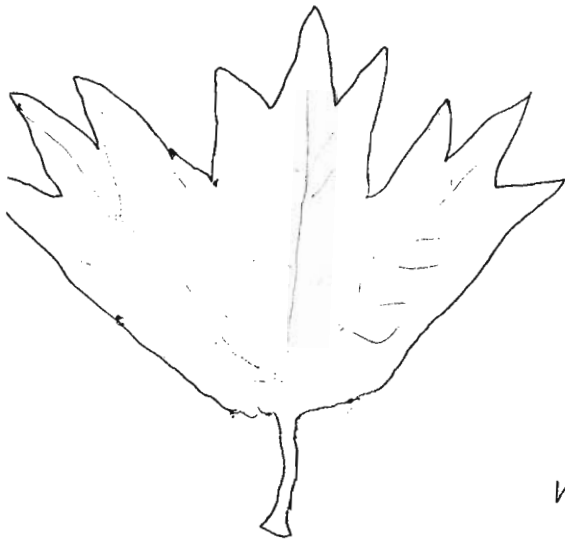
PLACE: Brown Middle School

EQUIPMENT: Field kit, a monstrous lunch, a heck of a lot o' water, hiking boots... you know the drill

Little known fact: Sawmill Brook is a tributary of the Charles River! The very same Charles River that we see so often in so many other envi-sci trips



You'll be pleased to know that the hike to Sawmill is a fun and breezy one. While we're there, maybe we'll do some water tests which can help to indicate what's going on in the Charles.



maple leaf (like the Toronto hockey team)

Sawmill Brook is in a region of dense maple forest. We may see many different types of maple trees, so learn your maple trees. We may see: Norway maples, Japanese maples, silver maples, or any other kinds of maples.

Get psyched for Sawmill Brook 'cause it's gonna be rockin'!

SAWMILL BROOK.

Trip slip number: Three (3)
Date: Monday, July Ninth, Two-thousand-one (7/9/01)
Time(s): Eight-Thirty until Four (8:30am-4pm)
Meeting Location: Brown Middle School, in Newton
Leader(s): Jonathan Rivnay (617-527-1849)

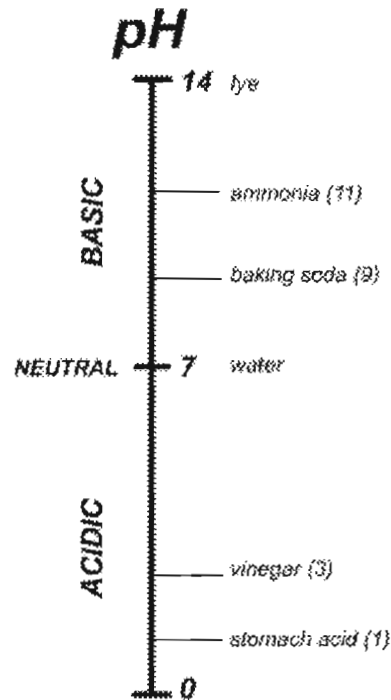
Required Equipment: Hiking Boots, Water, Lunch, Field Kit (Raingear, First Aid, etc.), Bug Spray, Compass & Map, if you have them, and Long Pants wouldn't hurt, we may do a bit of bushwhacking...
Trip slip Contents: "Brook." "Tributary." "pH."

BROOK.

sawmill brook is a twenty eight (28) acre conservation area in newton, which eventually flows into the charles river itself. the area which surrounds this tiny brook is heavily populated and the brook is often used to dump waste into....foolish fools!! ha...will they never realize that dumping waste into a stream will only solve their short term problems? think of the kinds of things that are dumped into or seep into this brook, or even the charles river from the following surrounding items: densely populated residential areas, pools (from which water is dumped), cemeteries, roads, etc. the good thing about this, is that we can test these things using our handy-dandy water testing kits!, for additional information, see "pH."

P H.

ph is an important test because it tests how acidic or basic a given sample of water is. in water some water molecules are separated in hydrogen ions (H+), and others into hydroxyl ions (OH-) (therefore it is HOH when it is together, which is water...H₂O). if there are more H+ ions, the water is acid, if there are more OH- ions, then it is more basic. the ph scale (0-14) is a logarithmic scale. for those of you who don't know what this means.....i'll tell you....it means that a 3 on this scale is ten times more acidic than a 4, and 100 times more acidic than a 5, and so on. this, as well as other tests are important to know, because some marine life can not live with too much, or too little of a substance, therefore will often take various water test kits on trips.



TRIBUTARY.

sawmill brook is a **tributary** of the charles river. this means that this brook is a small branch of the charles river.

Weather Forecast (by boston.com):

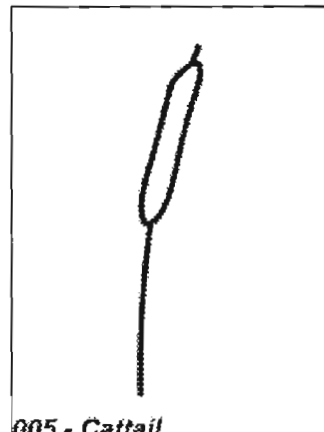
EnviSci takes no responsibility for the accuracy of the boston.com weather forecast. You must bring your raingear and lots of water, no matter what!

**Monday,
July 9, 2001**

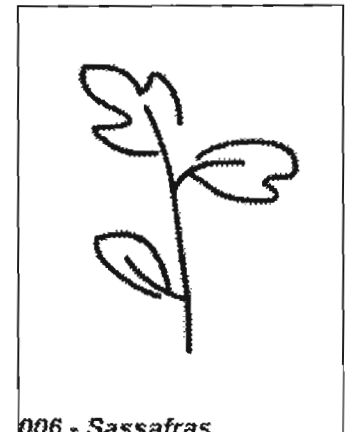


partly cloudy:
H82 / L66

A blend of sunshine and building clouds. A chance of showers or thunderstorms, especially Monday afternoon and Monday night. Highs 77 to 84. Partly cloudy to clear Monday night. Lows 60 to 67.



005 - Cattail



006 - Sassafras

Trip slip # 6

Land fill

Three eyed fish (product of chemicals from landfill, hehe)

SAWMILL
BROOK!!!

Is that not the coolest font?????

Leaders: Amelia Runyan(244-8836)
Julie Greenwald(964-7248)

Times: 9am-2pm

Meet@Brown

Equipment: Hiking Boots, day pack, rain gear, field kit, lunch, WATER!!!




Hey Howdy! Today Julie and I are taking you to a wonderful land full of candy... well, not candy, more like a pretty brook, but that's beside the point.... anyway, sawmill brook is where we are going and it is a tributary of the Charles river, a tributary is a small river coming off of a bigger one. Also, there used to be a landfill right next to this brook, so, we are going to do some water tests to figure out what's up with the water, we will test its pH and we will test the level of phosphorus.

pH is the first test we will do, and it tests the pH of the water, which is to say that it tests the acidity of the water, it is not good for it to be too acidic or basic, there should be a happy medium for healthy water.

Phosphorus tests the level of phosphorus in the water...duh, but water needs for there to phosphorus in it, because it helps plants to reproduce, so it needs to be there. Yup, cool, it's all good, everything is fine and dandy...see you tomorrow.

Crazy cool (and happy) Envisci student!





SAWMILL BROOK

Trip slip # 3

7/25/99

Leaders:

The fabulous
Michael DYEN

294-0285

Meeting Place: Brown Times: 9 am - 2 pm

Equipment: Hiking boots w/ extra laces, day pack, rain gear, 1st aid kit, lunch, H₂O, pencil Notebooks, (maybe some sub blocks + bug spray).

Today we will be heading off to Sawmill Brook. Sawmill Brook is a small branch off of a larger river, the larger river is the Charles, and Sawmill Brook, being a branch of the Charles has a special name. It is called a tributary. What is ~~not~~ so good about this tributary is that it is near a populated area. Now you may say, what's wrong with populated areas, and I would have to say, Lots, but that has nothing to do with Sawmill Brook. Actually, this Brook was a dumping zone that is on its shores. So we are going to do some good, and test the water to see if it is "healthy".

We will be doing two tests, one testing the water's pH, and the other testing the water's phosphorus level.

If you can tell me why these two tests are important then something not bad will happen to you. By not bad I mean you will not have to carry books, or me, or other things, so I hope you figure out these tests.

Sawmill Brook

Leaders: Julie 964-7248
Amelia

equipment: Lunch field kit
 H₂O Boots

Sawmill Brook is Sawmill Brook because there is a small branch of the Charles River located there (tributary.) Here is a great place where we can see how the environment affects the water. Maybe we will bring along some test kits to get an accurate reading of the water. There are also many types of trees we can identify.

Why is it called Sawmill?



leaders
 Alex Kraus
 (964-7768)
 Sarah Northrup
 (965-4602)

Trip slip #6
 7/10/96

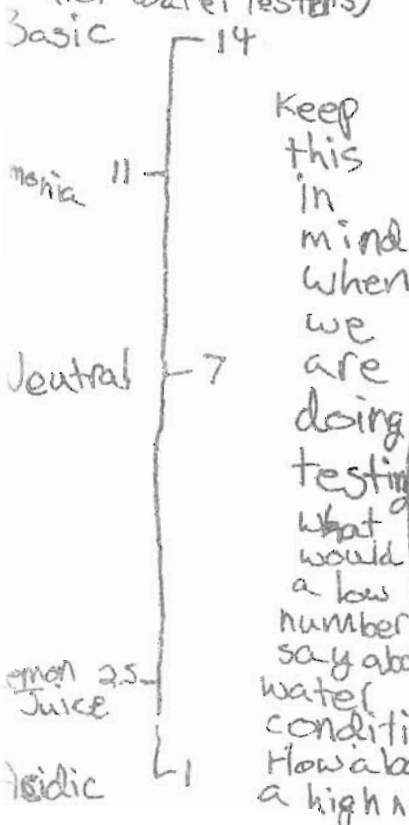
Sawmill Brook

- | EQUIPMENT |
|--------------------|
| HIKING BOOTS |
| Day Pack |
| Notebook & Pencils |
| First Aid Kit |
| -w/wh |
| Water |

Today we journey to Sawmill Brook. Sawmill Brook is a tributary of the Charles river. When we get there we will be able to do fun stuff like water testing and wading through thick underbrush.

Warning! Do we all know what stinging nettle is. I'm sure some of you have learned the hard way. It's a nasty bush that reaches out and grabs students and sticks them with little needle things that leave you with little white bumps that **ITCH LIKE CRAZY**. We'll show you what it looks like hopefully before you step in it. Have you figured out why long pants might be a good idea?

The P.H Scale
 (for water testers)



Keep this in mind when we are doing testing. What would a low number say about water conditions? How about a high number?

Tripslip #5
July 8, 1997
Times: 9am-2pm

Sawmill Brook

Leaders: Sarah Northrup (965-4602) and Jeff Wong (332-3617)

Equipment: Field kit, boots, water, lunch, bug spray, and sunscreen

Today we're going to visit a **tributary** of the Charles River. A tributary is a stream (or in this case a brook) that feeds into a river. While we're there we're going to perform some water tests to see how the water is...

Why would it be important to test the water in a tributary?

Water testing is always important to see if a body of water is healthy. It is ~~important for~~ the water to be healthy if the animals and plants that depend on it are going to be healthy. Since a tributary is connected to a river the water in it affects not only the life that we see, but also the life in the river.

Why do we care if the water is polluted?

We should care for a couple of reasons:

1. The plant life surrounding water is very abundant, and supplies us with the oxygen that we breath.
2. Water and its surrounding environments are home to many kinds of fish and animals. If they didn't have a healthy place to live, we wouldn't have them around to talk about.

It is important to make sure that the environments around us are healthy and being treated properly because we want to keep them around so that we can continue to enjoy them...

Sawmill Brook

Leaders: Michael DYEN

244-0285

Jesse Salyes

965-2719

Tripslip # 3

Friday, July 3rd.

Times: 9 a.m. - 2 p.m.

Equipment: Hiking boots, extra laces, day-pack, rain gear, 1st aid kit, lunch, water, bug spray, sun block, pencil and notebook.

Today we will be heading out to Sawmill Brook. Sawmill Brook is a small *tributary* of the Charles river. What is a *tributary*? Well it is a small branch of a larger river. What is unusual about Sawmill Brook is that is that there is a dump on it's shores, and it is very close to a populated area. On this trip we will conduct some water tests. We will test the water's *pH*, and also we will test the level of phosphorus in the water. Now I know you thinking, "where's my Chinese food?" Well none of these tests can answer that, but they we help us tell if the water is "healthy."

The *pH* test will help us figure out whether the water is to acidic, or to basic, or just right. The pH results are on a scale from 0-14. If the pH of the water is lower than 7, then the water is more acidic. If the water pH is more than 7, than the water is more basic than it should be. If the water is 7 then.....? Well!?! No it's not Chinese food, it's healthy water. So we'll be looking for a pH of 7.

The phosphorus test will tell of how much of the chemical phosphorus is in the brook. This is important because phosphorus this chemical is necessary for the formation of plant's fruit. Plant's fruit are important because they help the plant to reproduce. So it's all important, probably more important than your silly Chinese food. Now quit bugging me about Chinese food. If your all this hungry, I hope you have a big lunch.... jeez.



SAWMILL

BROOK

Trip slip # 3

7/25/99

Leaders:

The fabulous

Michael DYEN

244-0285

Meeting Place: Brown Times: 9 am - 2 pm

Equipment: Hiking boots w/ extra laces, day packs, rain gear, 1st aid kit, lunch, H₂O, pencil Notebooks, (maybe some sub blocks + bug spray.)

Today we will be heading off to Sawmill Brook. Sawmill Brook is a small branch off of a larger river, the larger river is the Charles, and Sawmill Brook, being a branch of the Charles has a special name. It is called a tributary. What is ~~not~~ so good about this tributary is that it is near a populated area. Now you may say, what's wrong with populated areas, and I would have to say, Lots, but that has nothing to do with Sawmill Brook. Actually, this Brook was a dumping zone that is on its shores. So we are going to do some good, and test the water to see if it is "healthy". We will be doing two tests, one testing the water's pH, and the other testing the water's phosphorus level.

If you can tell me why these two tests are important then something not bad will happen to you. By not bad I mean you will not have to carry bottles, or me, or other things, so I hope you figure out these tests.

Tripslip #5
July 10, 1995

SAWMILL BROOK

Leaders: Kathy (527-3681)

Jenny (969-2776)

Times: 9-2

Equipment: Daypack, boots, lunch, water,
anything else you feel like putting in your pack. But that's up to you.

Umm okay... this should be a fun, good trip. It's a fairly short hike to this brook, called Sawmill for some reason. This brook is a tributary of the Charles River, and seeing a place that feeds into the river itself may give us some indication as to what is going on with the river itself.

We'll be taking along one or two water test kits to give us a better idea of what the water in this brook is like. Most likely we'll be doing the pH test, a test for acidity. The scale for acidity is a little backwards, ranging from 0 to 14, with 0 being the most acidic, 14 the most base, and 7 right in the middle, neutral. Something to think about while taking this test is acid rain. Acid rain is caused by the burning of fossil fuels. If rain has a pH of 5.5 or less, it is considered acid rain. Water in acidic lakes looks unnaturally clear. We may go into some more detail about the problems of acid rain on the trip, because it really is a pertinent problem especially in the U.S.

Sawmill Brook is in the region of a dense maple forest. This would be a good opportunity to bring a Tree Guide to identify some of the different types of maples. We've already seen a few around Brown, like Maple, Red and possibly Japanese. Some questions to think about are...what is the function of the bark of the tree? What's the difference between angiosperm and gymnosperm? Deciduous and evergreen?

One thing we have to look out for are stinging nettles. I suggest you stay away from these nasty little plants. The last thing is please come prepared so we can have a really good time.

SAWMILL BROOK

Leaders: Jeff Wong (332-3617) + Sarah Northrup (965-4602)

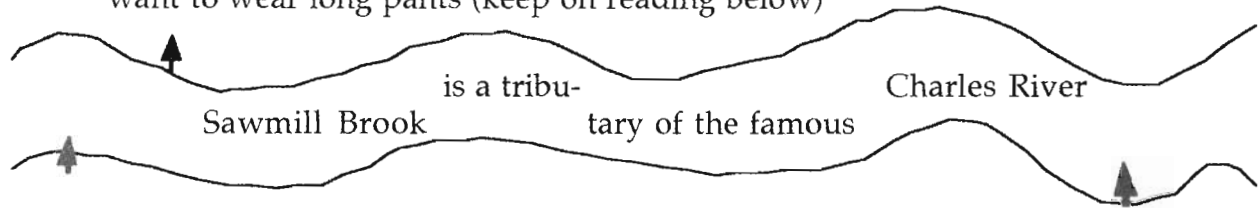
Date: July 8, 1997

Tripslip #5

Times: 9 AM – 2 PM

Meeting Place: Newton South

Equipment: boots, day pack, field kit (first aid kit, pocket knife, extra boot laces, pens or pencils, notebook, raincoat), water, lunch, sunscreen, bug spray, you may want to wear long pants (keep on reading below)



Sawmill Brook is a twenty eight acre conservation area here in Newton. It eventually runs into the Charles River. Located in a relatively populated area, people's pool water is often dumped into this tiny brook. How would this affect the wildlife in and around the water? One way scientists investigate pollution is through water testing. Here at Envi-Sci, we're lucky enough to own a few water tests. One common water test is the pH test. The pH of a liquid like water tells you the amount of Hydrogen ions in the water or in other words, whether the substance is acidic, basic, or neutral. A pH of 7 is neutral, below 7 is acidic, and above 7 is basic. We'll tell you more tomorrow...

We could not do any water tests if there was no water anywhere! How does water get here? The answer is through the exciting water cycle! Basically, water is always being evaporated into water vapor from bodies of water around the world. The water vapor combines with dust in the atmosphere to form clouds. When a cloud has more water vapor than it can hold, it precipitates back to earth as rain, snow, sleet, or hail. After being precipitated, the water once again returns to another body of water and the process starts over again. Cool, huh? Yes, of course!

So why would you want to wear long pants tomorrow? There is this thing called stinging nettle and if these needles stick to you, they leave little, white and unfriendly bumps that itch ...a lot! Also, we may be bushwhacking a little so long pants would protect you from anything bad.

Leaders: Jesse Sayles (965-2719)
Mike Dyen (244-0285)

TRIPSLIP # 3

July 3, 1998

Times: 9AM - 2PM

@ Brown Junior High



Pam The Test Tube

SAWMILL BROOK

Equipment: Backpack, lunch, H₂O, boots, Field Kit (notebook, Pencils, First aid kit, extra boot laces, Raingear, sunscreen, bug stuff.) Something fun.

John: Hold on to your hats buckaroos, because today we are off to Sawmill Brook.

Pam: But John, what if I don't have a hat?

John: That's O.K. You can still come, because Sawmill Brook is wacky fun for all. Sawmill Brook is a tributary

Pam: You mean it's a small branch of a river?

John: Yes, the Charles to be exact. What's unusual about Sawmill Brook though, is that it has a dump along it's shores, and it's in a populated area. The students are going to do water tests in the area, and see the effects of the dump on the river. But don't worry students, your fearless leaders Mike and Jesse will show you how to do these tests.

Pam: O joy, I love water tests. My favorite two are **PH** which tests the acidity and base of water, and **phosphorus** which is necessary for the formation of fruits in plants.

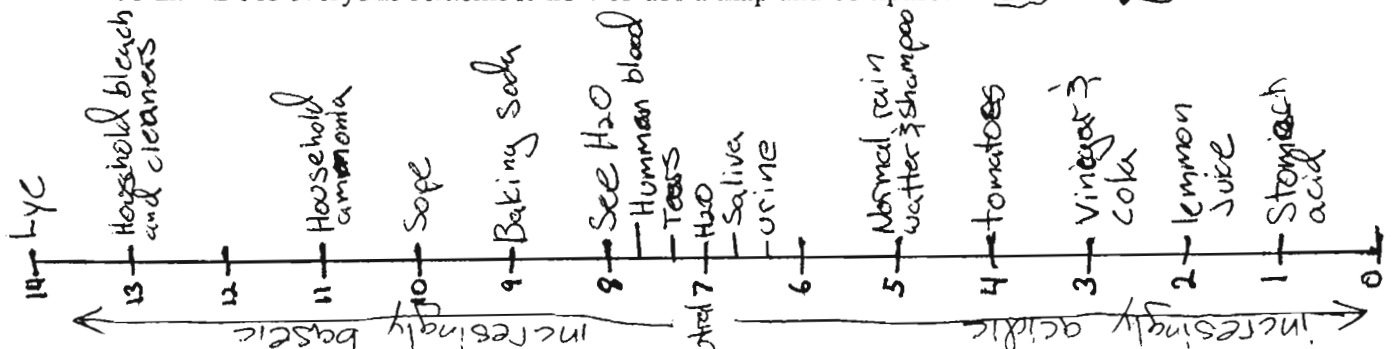
John Well you're in luck Pam, because those are the tests we are going to do.

Pam: I have a question for the students. Which of the following two trees contribute to the acidity of water? *Conifers* or *Oaks*

John: Does everyone remember how to use a map and compass?



PH Scale





SAWMILL BROOK

Time: 9am-4pm
 Place: Brown Middle School

EQUIPMENT: Field kit, a monstrous lunch, a heck of a lot of water, hiking boots... you know the drill

Little known fact: Sawmill Brook is a tributary of the Charles River! The very same Charles

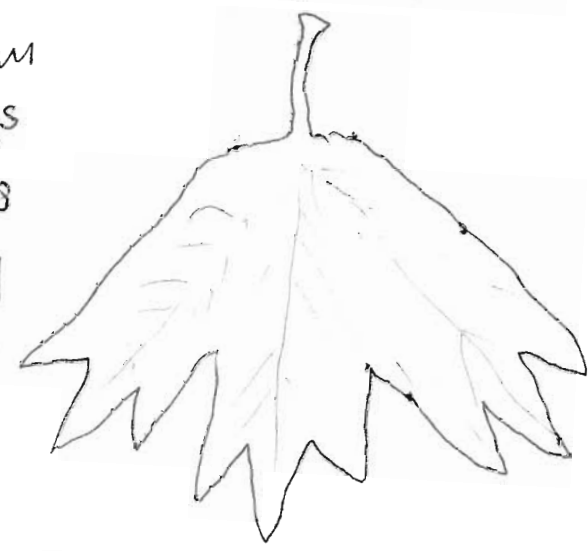
river that we see so often in so many other envi-sci trips

You'll be pleased to know that the hike to Sawmill

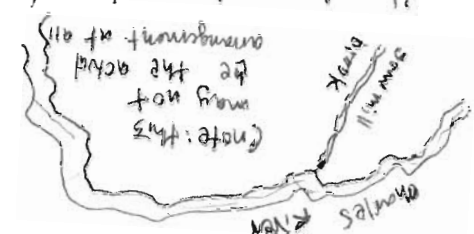
is a fun and breezy one. While we're there, maybe we'll do some water tests which can help to indicate what's going on in the Charles.

Sawmill Brook is in a region of dense maple forest. We may see many different types of maple trees, so learn your maple trees. We may see: Norway maples, Japanese maples, silver maples, or any other kinds of maples.

Get psyched for Sawmill Brook 'cause it's gonna be rockin'!



Maple Leaf (like the Toronto hockey team)



with... Nate! (617-969-4144)
 and... Sarnal! (617-969-3966)

SAWMILL BROOK

Leader: Lee Thomas 527-2763

7/3/91

9am - 2pm

what you need: hiking boots, your full field kit including: a day pack, boot laces (extra), raincoat (light weight), small first aid kit with moleskin, first aid cream, band-aids, dines and quarters, you need to have a notebook and 25 pencils, a pocket knife, a canteen, and last but not least **LUNCH!**

* you may wish to wear pants there is such a plant called stinging nettle and it makes you very itchy. Also you may want to bring **BUG REPELLENT**

Sawmill Brook is a nice short trip. It is your responsibility to figure out how we will get there. If you guys decide that we should go one way, we will even if I know that there may be a better way to go. I will however, help you to get back to Newton South.

At Sawmill Brook we will see a small brook and a medium-sized forest. Remember to always look around you and never be afraid to call the name of a plant or tree that you see. Think to yourselves for a moment what you might see there or in any forest. Here are a few things that I would

expect to see and hopefully you will be able to identify most or all of them for me: **Trees:**

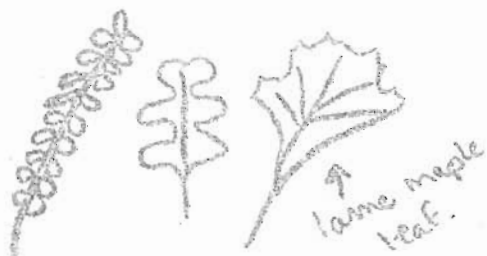
- Red Oak / White Oak
- Red Pine / White Pine / Pitch Pine
- Poplar
- White Birch
- Red + White + Sugar Maple

Plants:

- False Solomon Seal
- False Canadian Mayflower
- Sassafras
- Wood Sorrel
- Yarrow

We will see more than just these things but at least all of these ~~must~~ be identified by you guys by the end of the day.

A tip about trees and identifying them. Make sure to look at the shape of its leaves (and its structure)



Think about these 3 leaves and what is different about them. One of these things is not like the other as they say on Sesame Street so figure it out, and tell me why.

About Sawmill Brook: Sawmill Brook happens to be located near an area with many swimming pools. The people who live in this area sometimes neglect their environment and dump extra pool water into the brook. What

effect do you think this would have on the brook? If we took a chlorine water test with us and tested the water, what might it show? Think about these questions and all I've said so far. And May the Force be with you!



Trip slip #5
July 10, 1996
Times 9am-2pm



Sawmill
Brook

Leaders: Sarah #965-4602
Alex #964-7768

Equipment:

Field kit, boots,
lunch, H₂O,
Bugspray,
Sunscreen

Sawmill brook is a tributary to the Charles River. (Anybody know what a tributary is?) A tributary is a brook or stream that leads into a river. What river could Sawmill Brook lead into? (When you think of a river around here, which one do you think of?)

If we have water in front of us, what are we going to do to study it? How can we tell if it's healthy? (How could water not be healthy?) Did anybody say "Water test!?" That's ~~our~~ what we're going to do! You've probably done some water testing on other trips.

Something important

We're going to learn (and remember) what poison ivy and stinging nettle look like. You don't want to become close friends with either one. I'm sure you all know what poison ivy will do to you, but does anybody know what stinging nettle does?

Leaders
 Alex Kraus
 (964-7768)
 Sarah Northrup
 (965-4602)

Trip slip #6
 7/10/96

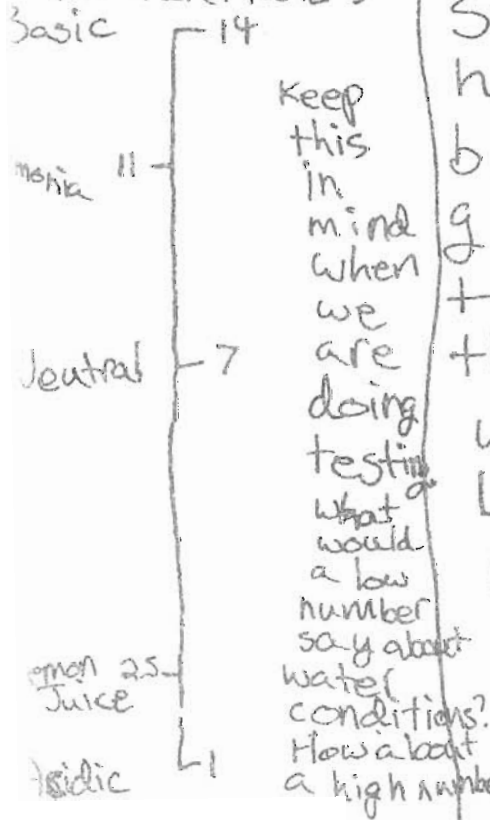
Sawmill Brook

EQUIPMENT
HIKING BOOTS
Day Pack
Notebook & Pencils
First Aid Kit
Snack
Water

Today we journey to Sawmill Brook. Sawmill Brook is a tributary of the Charles river. When we get there we will be able to do fun stuff like water testing and wading through thick underbrush.

Warning! Do we all know what stinging nettle is. I'm sure some of you have learned the hard way. It's a nasty bush that reaches out and grabs students and sticks them with little needle things that leave you with little white bumps that ITCH LIKE CRAZY. We'll show you what it looks like hopefully before you step in it. Have you figured out why long pants might be a good idea?

The P.H Scale
 (for water testers)
 Basic



Alkaline
 Juice

Acidic

LEADERS.

Jenny Casavant
(969-2776)

Kathy Thorp
(527-3681)

July 10, 1999
9AM - 2PM

SAWMILL BROOK

EQUIPMENT - Hiking boots,
daypack, first aid kit, extra
bootlaces, pocket knife, bug
repellent, pencils, notebooks,
WATER and LUNCH

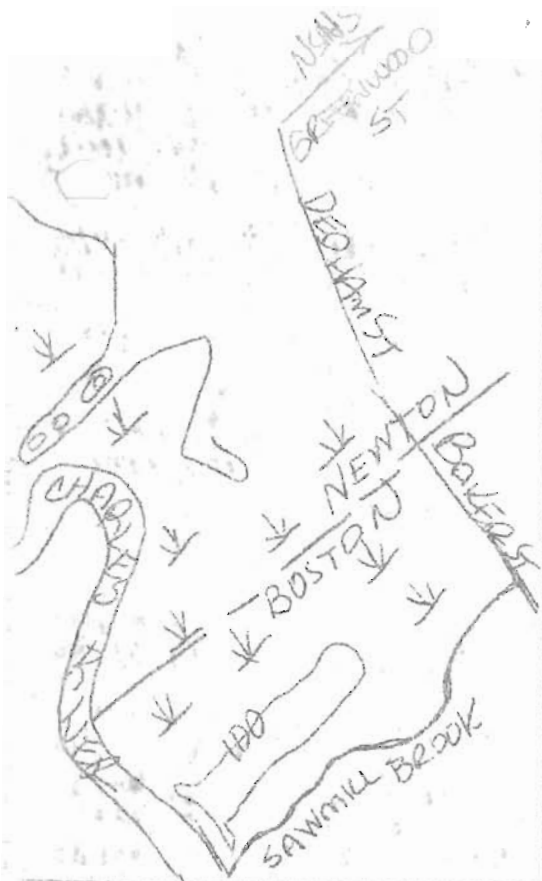
Sawmill Brook is
a tributary of the Charles
River. It is about 2 miles

from Brown. Today we will bring along some
water test kits to test the water in the brook.

One of the water tests we will do is a pH test.
pH tells you how acidic the water is. The pH of normal
water is 7. The higher the number the more basic
the water is and the lower the number the more acidic
it is.

Sawmill Brook is located in a populated area
and many people dump their pool water into the
brook. We will see what kind of affect this
has on the water.

Do you think that the trees along the banks
contribute to the acidity of the water?



On our way to the marsh we will attempt to find and identify the 'calcite' mineral that is reported to exist along the way by Nahanton St.

We will also work our way down to the Charles River by way of the St. Josephs Novitate land. The area that we will visit contains some 600 acres that have been proposed to be purchased by the city of Newton as city land for a large park facility.

What would be the value of having such a large area?

What use could be made if the area was in public hands?

side of the river. The St. Josephs Novitate land is one parcel that is in private hands and has been proposed to be jointly purchased by the city and by the MDC.

Why would one want to have river front land in public use rather than private?

We will be seeking answers to the flood plain question by means of the soil auger and with some of our test equipment.

We will have a long hike and the extra hour should allow us time to explore the areas and to get back by the time shown.

Date: July 15, (Mon) 74 (Day 6)
 Place: Newton side of Dedham Marsh from Newton at 120 Industrial Park to Sawmill Brook (W. Roxbury), and return.
 Time: 9-3
 Group: Dick's

Bring from school-dip net, soil auger, vials, pond-life book, Insect book, Geology of Newton book.

Dedham Marsh is a flood plain of the Charles R.

What is a flood plain?

Why is a flood plain useful?

What happens if you change the character of the plain?

What is the dominant feature of the flood plain?

The city of Boston has been active in buying the area where Sawmill Brook enters the Charles R. and the marsh area near the Brook back to Baker Street.

SAWMILL Brook has been proposed as part of the Charles to Charles path through Boston and Brookline to the area we will visit.

Can you see uses to which public land of this sort that is a long strip connecting a River could be put?

The banks of the Charles R. in Newton are largely in public lands (MDC) but 30 families and or parties and about 30 industries also own land on the Newton

DATE: JULY 9, 1986

LEADER: Cole Stanton 901-5257

TRIP: Sawmill Brook

(SPECIAL EQUIPMENT: Bug Repellent AND
LONG PANTS, (I don't care how hot it is)

Trust me, you will need them
Fear Lord of STINGING
NETTLE

If you hadn't known, since Monday we have been in marvelous WATER TEST WEEK. Water Test Week is of course the week when we concentrate on water testing. Sawmill Brook is no exception and in fact this is a BIG water test trip.

Sawmill Brook is a long brook with several good sites for water tests so we get a chance to make some judgements about how the quality of the water changes as it flows toward where it empties into the Charles River. The Watershed Assoc. is very interested in our results since the water flows into the Charles R. Look for reasons, natural or artificial (human) why our results might be the way they are.

Sawmill Brook also has other features like a variety of plant life especially the infamous STINGING NETTLE plant. Stinging Nettle is a shrub that seems to reach out and grab you when you walk by. The barbs that stick into you inflame your skin and are painful. There also lots of common plants to identify also.

Remember: Long Pants (to avoid stinging nettle), Two pairs of socks on (to avoid blisters), Two canteens (one with water and one with a powdered drink like Iced Tea or Hawaiian Punch). We'll be going with Steve's group.



July 2, 1999

Jan - 244-2093
 Leaders - Gordon - 244-4304

Bring and wear - lunch, water, field kit, long pants and good shoes.
 Be at South by 10:00 and we will be home at 2:00
 Today we will be going to see Mill Brook.

Today we are going to see Mill Brook which has a very dense understory. What type of things might under plants cause a problem for? (Hint: us). We will discuss forest succession and learn to identify various trees and learn about the parts of a tree and leaf. Do you know why a leaf is green and why it changes color? Do you also know why leaves are too why a forest may suddenly die? We will discuss these things, but we will also have

Forest succession
 Pioneer stage (the early stage)
 - aspens, birch, spruce
 Mid stage
 - maple, hickory, sugar pine and fruit trees
 Climax
 - oaks, pines
 Third forest

Trip #2

Leaders: Anna Doherty (965-3815), and Molly Smith

Times: 9-2

Destination: Sawmill Brook

Equipment Needed: Field kit (boots, pack, raiingear, first aid kit, LUNCH, lots and lots of H₂O, knife, notebook, pencils, boot jaces), BUG repellent, and long pants, although not absolutely mandatory, are strongly advised.

9. What is stinging nettles? What can it do to you?

Where is Sawmill Brook? That's just one of the many things that you are going to find out. Work hard to find the quickest route possible.

What is Sawmill Brook? Sawmill Brook is a long brook that eventually flows into the Charles River. (We will test it again on the canoe trip.) It is an excellent place to pull out the old test kits and take some quality water tests. One thing to keep in mind when you are doing these tests is why the results are the way they are.

In addition to doing tests, Sawmill Brook is a great place to start learning about different kinds of plants. Which reminds me...

A. Stinging nettle is a shrub that likes to reach out and grab students at knivel. The barbs then stick into your skin and hurt like crazy.

Other things that we learn are going to be your choice, so start thinking...

I know how hot it is guys, but in addition to long pants, 2 pairs of socks are very important. They keep you from getting blisters (hopefully). WHO KNOWS WHY?

Leader : Daniel Ordorica (244-5023)

Time: 9:00AM to 2:00PM

Things to bring: Field Kit(don't forget your boots, lunch or water bottle!!)

shazzam!!

Sawmill Brook is a tributary of the Charles River, and about 2 miles from Newton South. Today will be a good day to test those compass skills which you learned yesterday. Perhaps we will learn why the Charles River is so dirty, could it have to do with people dumping their pool water into tributaries such as Sawmill Brook?

Also, we will learn how to use water test kits. These are very important, with the test kits, we will discover what level of acidity the water is, and how much chlorine is in it. These factors can then be used by the city to determine what should be done to control the purity of the water. Today, we will probably be taking the pH test kit, and the Chlorine test kit.

pH is the level of acidity of the water. It is usually measured on a scale of 1 to 14, but is not limited to those numbers. 1 indicates an extreme acid, whereas 14 indicates an extreme base. The interesting thing about the pH scale, is that the difference between a 1 and a 2, is a power of 10. Thus, 1 is ten times more acidic than 2 and 100 times more acidic than 3.

While we are at Sawmill Brook, we will also learn about why the Charles looks dirtier than it really is. We will probably get to identify a few plants as well. An especially good one to know, and to look out for, is poison ivy. Also, we will find a variety of maple trees along the way. Maples such as Red Maple, and Sugar Maple, and if we are lucky, perhaps a Japanese Maple, or maybe even a Goosefoot Maple.

Other things to think about are birds. Because birds are my specialty this year, we will be bringing a bird guide to identify any birds that might fly across our path at any time.

Although this trip isn't a real mountain prep hike, it is a bit of a walk, so prepare yourself for a 2 mile walk, and prepare yourself for a relaxed, enjoyable experience in the Wild, Wild World of Newton.