

OPINION OF  
Harold B. Staley  
Specialist in water treatment  
Masters degree in Chemistry Columbia Univ.  
Research Librarian MOBAY CHEM.(MONSANTO BAYER)

My understanding of the problems may be summarized as follows:

(1) The report from the Colorado School of Mines dated October 22, 1965 concerns the toxicity of the tailings from the proposed(?) mine. Assuming that they(Callahan) used the process outlined, their study indicated that sodium cyanide would be the only chemical present in toxic concentration and that it could be treated by dilution or by an alkaline chlorine treatment. I cannot find fault with their conclusion.

(2) Since the mine has (or will) close the above no longer applies and the question now appears to be whether to impound the surface water which will fill the open pit and tailings pond, or to allow sea water to enter and flow out periodically with the tide.

There can be little doubt but that fairly high concentrations of copper and zinc will be leached out of the ore remaining in the pit for some time to come by either fresh or salt water. For this reason, it would seem more desirable to impound the water, attempting to keep the concentrated water localized. If we assume for the moment that this water could be kept stagnant, eventually the concentration of copper and zinc will reach an equilibrium and remain fairly constant(probably too high for potable water). Since as Mr.Sandecki points out, surface water will continue to run into the pit; it must also overflow and will carry some of the chemicals out of the pond. If the water flowing into the pit enters only on the surface it is possible that it might flow out without causing too much mixing and leave the chemicals in the pond. In any case the outflow should be analyzed frequently to determine whether it should be allowed to run into the sea untreated. If your state has a water laboratory, they could run such tests periodically, the water in the pit should be sampled at various depths and tested at intervals to determine what happens there. I cannot think of any feasible process which would precipitate the metal in the pond.

(3) The other question which has been raised is what will happen to the wells in the vicinity, when the pit is filled with water? Will the water flow from the pit to the wells and contaminate them with metals. Inasmuch as the sea water has already appeared in wells, it is quite possible that when the pit fills with water, the pressure will be reversed and prevent sea water from entering the wells. On the other hand, water from the pit may find its way into the wells. Obviously these wells should be tested frequently for copper and zinc. These metals can be removed by the ordinary household Zeolite softeners which are leased or sold around here by Culligan and Permutit and other firms specializing in water service. Such softeners will not remove the sodium chloride found in sea water and make it potable.

To return to the specific questions raised in your May 7th letter (a) I am unaware of any naturally occurring materials in fresh water or salt water which would precipitate these metals significantly. The salts of copper and zinc are quite soluble but can be precipitated in the laboratory with laboratory reagents. They can be removed by Zeolites etc., but these conditions do not prevail in the pond. (b) It seems to me that impounding of fresh water in the pit would be safer than to allow sea water to flow in and out of the pit, for reasons discussed above.

Perhaps my recommendations can best be summarized by suggesting frequent analysis of the water in the pond, the pond effluent and the several wells, in order to get the necessary information. Secondly treat the well water with a Zeolite softener, (assuming sea water no longer enters the wells.) I am quite sure analytical methods are available for copper and zinc, which might be suitable for household testing I would be glad to look up such methods ~~if~~ if you wish. I would also suggest that you look into the availability of state laboratories for testing these waters.

Harold B. Staley  
New Martinsville, W. Va.

Harborside,  
Maine 04642  
August 4, 1971

John:

One or two other points I failed to mention in my note of the 1st. Carl Rogers made the suggestion that an evening hour be the time of the public meeting to facilitate a better attendance, I think this is a good idea. The other point you might consider is to "officiate" at this meeting in consideration of the flack I have drawn from the Packet. I have no qualms about playing the role of chairman, but, you might see my point about the situation. You are the town's selectman and might be able to foster a more progressive meeting than an outsider would ?

Sincerely,

Albert Sandeck  
Chairman GPRC

Harborside  
Maine 04642  
August 3, 1971

The Academy of Natural Sciences  
19th & The Parkway  
Philadelphia, Pennsylvania 19103

Dr. Ruth Patrick, Ph.D.  
Curator of Limnology

Dear Dr. Patrick:

Now that you are back at the Academy and as involved as ever I would like to express my deepest appreciation of your work, visit to Harborside and the counsel you gave our committee for the reclamation of the once beautiful Goose Pond estuary.

Your visit has given me renewed hope to try to see this area restored as best humanly possible. I would like to add you have provided me personally with an experience that I wish others would be as fortunate to have.

Ideally, (and I'm told this is a foolish approach) I believe there ought to be as much of man's effort, technology and consideration expended to restore as was to exploit. But, in this little area as well as many others there seems to be little hope for such rightness.

Dr. Patrick, thank you again for your time and help. I will forever remember the experience.

Sincerely,

Albert Sandecki  
Chairman GPRC

July 30 MTG.

10AM TO 12:15PM

ROBT. DOW —  
(STATE)

RECOMMENDATIONS: FILL WEIR  
MAINTAIN DAM.

JOHN GRAY —  
(TOWN)

TOWNSPEOPLE WANT SALT  
WATER RETURNED TO POND BED  
AND POSSIBLE TACK RATABLE  
DEVELOPMENT.

C. ROGERS —  
(COUNTY)

CHANNEL FOR COOPERATION  
PARTIES IN SEEKING FED FUNDS.

PROMISE FOR SEEKING FUNDS:

TECHNICAL ASSISTANCE GRANTS.  
OR LOW INT. EDA. FUNDS.  
DEVELOPMENT OF COASTAL  
MINING RESEARCH DATA.

BILL SCOTT:  
(CALLAHAN)

INTERESTED IN WHAT WE CAN  
REHABILITATE. FINITE FUNDS.  
MGN + EQUIPMENT TO BE USED  
IF AND WHEN AVAILABLE.  
WOULD LIKE TO EXPEDITE RECL-  
AMATION - ANXIOUS TO START SOON.

DR. PATRICK:

WILL SEE IN  
2 WEEKS.

UNIQUE OPERATION, FED, MONEY  
AVAILABLE FWQA, EDA. (DOW)  
PRESENTED HER RECOMMENDATIONS.

DOW TO SEE:

DR. WILLIAM CAWLEY  
FWQA. DIRECTOR

CHIEF IN CHARGE OF RESEARCH  
GRANTS

(NO FUNDS) (MATCHING) GRANTS  
TITL I OR TITL II OFFICE OF WATER RESOURCES

\*Misc.\*

After the meeting of the 30th I received a call at the Callahan Mine's offices from Mr. Robert G. Doyle, Adm of Maine Mining Bureau. to meet later that afternoon. Doyle arrived at approx 3:15 pm. Went down to the mine to discuss the recommendations of Dr. Patrick. He seemed to feel the waste rock and mud towards stink cove could not be moved into the open-pit area. I explained it must as per Dr. Patrick's comments on the toxic metal ions and sulfides and their reaction with water. Salt the best fresh the worst. Waste pile grading and terracing would cost too much to do. (Doyle) The filling of Weir cove runoff ditch/ Just raise dam gate. (Doyle)

Called Fred Beck about 8:30 pm to fill him in on the meeting he had already talked with Bill Scott. I asked to see him (Beck) at his earliest convenience to discuss the Doyle conference. A.S.8/1/71

## Muscle bound

It was wise of the Goose Falls Reclamation Committee, so-called, to withdraw its invitation to newsmen to attend its sessions and conduct its deliberations in secret. This way it can completely control what the public knows of its discussions as it decides how to carve up the worked-out mine of Callahan Mining Corp. at Cape Rosier.

It is important that the committee do this, for three reasons.

The first was clearly explained by its chairman, New Jersey artist Albert Sandecki, who contended the issues at stake were much too complex for the average mind. Letting the public in on the committee's deliberations would only confuse the people who, basically are too stupid to understand what it is all about until Mr. Sandecki, or others, explain it to them.

The second, and probably more important, is the need of the committee to assert itself. Not a legal entity, with no legal standing, the committee actually has no power. Except, that is, to talk with itself in secret. And since this is the only actual power it holds, it is well that the committee utilize it to the fullest.

Not only that, but by so doing the committee will be able to accomplish what even the federal government was unable to do. When the government attempted to prevent various newspapers from printing the popularly-termed "Pentagon Papers," the courts ruled this constituted prior censorship, a practice forbidden under the first article of the Bill of Rights. By preventing newspapers from accurately reporting what (if anything) transpires at committee meetings, the committee is able to demonstrate the considerable muscle it possesses in the only area it has any muscle at all.

And, finally, the public should be kept

out because membership of the committee is made up of individuals and organizations with vested interests in what becomes of the worked-out property. The committee certainly doesn't want the public looking over its shoulder or knowing about any conflicts of interest because it would then be much too obvious if any particular group or individual gained or lost greatly by a reclamation proposal.

No, this way is much better; the committee can closely control what the public learns about what it is doing. And then at a public meeting sometime in the future, the public can be called in to be told just what the committee has decided. This is much more efficient than free discussion.

The public, however, won't have to wait all that time. Cleverly recognizing the need to throw the people an occasional crumb, the committee has summoned newsmen to hang around after the meeting and the chairman will tell them what he wants them to print about what the committee has done in secret. Of course, it is possible that some of the more responsible newspapers, those with intelligent readers who like full information on which to base a decision, may not send a representative, for they may not approve of controlled news or presenting hand-out publicity disguised as information. If so, that's simply the price one must pay for efficiency.

It's so much better, as the committee has already determined under the leadership of its expert press agent, that the public be kept in the dark about what REALLY is going on behind those secret committee doors. Democracy, after all, often leads to public discussion or controversy even, and the committee certainly can't stand that.

All power to the Committee!

## KILLING THE GOOSE

When the Legislature of the State of Maine authorized the draining of Goose Falls Pond on Cape Rozier, in 1966, it passed an act in which it attempted to rationalize the rape of a beautiful scenic region.

It piously resolved to do this because, it said, "It appears that the proposed mining operation will not adversely affect the preservation or development of wildlife in the area and that it may as planned provide a better environment and improved habitat for same." It also said, "It further appears that the proposed draining of the aforesaid tidal estuary and the mining operations will not present or create a water pollution problem".

It is doubtful if anyone in the State of Maine would be willing to stand on those two propositions today, when the Callahan Mining Company is readying the conclusion of its mining operations. A great work of nature has been replaced with a huge rockpile and a lovely cove with a mud-hole. The run-off from the mining operations into West Cove have added to the waters in Penobscot Bay an amount of metal pollution that still is to be accurately determined — but it certainly has created a water pollution problem.

The group at work on the site may be able to do something to diminish the dreadful scars of an open pit mine — but not much.

Maine is now vainly trying to tidy up after another futile pursuit of the fools' gold of mining wealth. It hoped the copper mine would lay a golden egg and it killed Goose Cove in a vain attempt to get sudden riches.

# Callahan Is Writing Off Harborside Open Pit Mine

EP July 27/71

Consolidated net income of Callahan Mining Corporation for the six months ended June 30, 1971 amounted to \$399,000, equal to 12 cents per share, it was announced today by Joseph T. Hall, President. In the same period of 1970, consolidated net income of \$3,000 was earned after an extraordinary charge of \$82,000.

At the Galena Mine in Idaho, substantially lower silver prices prevailing during the first half of 1971 reduced income somewhat from the levels of the previous year despite higher tonnage and ore grade.

On King Christian Island in the Arctic, a deep test well (N-06) being drilled by Panarctic Oils Ltd. on ground in which Callahan and Pinnacle have an interest reached a depth in excess of 6,000 feet by the end of June. While the drilling has shown the presence of natural

gas, it should not be assumed that gas in commercial quantities exists at this location.

At the Penobscot mine in Maine, results of operations were on a breakeven basis in accordance with the extraordinary charge in 1970 to write down the Company's investment in the unit.

Aggregate manufacturing sale and profits for the Flexaust division and Pathway Bellows increased over the first half of 1970.

In June 1971, the Company purchased for approximately \$280,000, properties covering 1,280 acres in Stevens County, Washington which had formerly been operated by American Smelting and Refining Company as an open pit zinc mine prior to suspension of operations in December 1970. The Company intends, in the latter part of 1971, to commence an explora-

tion program to determine whether the property, which is now called the Washington Zinc Unit, may be mined by underground methods. There can, of course, be no assurance that mineable ore bodies exist.

Callahan's president has also announced the appointment of Frederick Beck as Manager of Exploration.

Beck received his masters degree in geology from the University of Wyoming. Prior to joining Callahan in 1968, Beck worked for several natural resource companies and in geologic and oceanographic positions with the State of Maine. He has been Chief Geologist for Callahan since May 1970 in charge of its office in Portland, Maine where he will continue to be located as Manager of Exploration.

August 1, 1971

Dear John:

Enclosed are copies of Dr. Patrick's evaluation of the situation at the Callahan mine-site and the letter sent to Mr. Doyle in regard to the letter from the State's Attorney.

I think this public meeting should be given the priority of the committee, would you look into a place for such a meeting. As I understand it Fred Beck will be at the mine the week of, the 9th to go into a detailed study of this and his firm's reclamation plans.

I'm sure it is his intention to bring all the information together and after this have a public meeting, so anything that you might be able to do to smooth the way for the public meeting would be greatly appreciated.

As I recall the dates from the 16th thru the 20th seemed to be available with the majority of the people in attendance at the meeting of the 30th.

Sincerely,

Albert Sandeck

Ham#borside,  
Maine 04642  
August 1, 1971

Maine Mining Bureau  
State House  
Augusta, Maine 04330

Mr. Robert G. Doyle  
Administrator

Dear Mr. Doyle:

I have checked on the whereabouts of the document sent to the town of Brooksville in late May by the States Attorney in regard to the town's authorized representatives for the reclamation committee.

I understand that the necessary information has been filled in and sent to the State's Attorney as of Saturday the 31st of July. I called John Gray in reference to this and he assured me that this has been done.

Enclosed is a copy of Dr. Ruth Patrick's statement. Necessarily brief and not too detailed, although her recommendations were discussed in great detail at the committee meeting of the 30th. Her recommendations coincided with those of Robert Dow for the most part and she had a few others as we had discussed later that same day.

Hopefully you will be able to attend the public meeting to be scheduled for sometime the week of the 16th of August. As soon as this date is firm I will let you know of the time and place.

Sincerely,

Albert E. Sandecki  
Chairman GPRC

cc:

Mr. John Gray  
2nd Selectman  
Town of Brooksville

*P.S. Will uber send minutes of meeting  
as soon as they are available from Mr. Scott.*

## STATE OF MAINE

APPENDIX I

Inter-Departmental Memorandum Date April 27, 1971To: Members of the Maine Mining Bureau

Dept. \_\_\_\_\_

From: Robert L. Dow, Marine Research DirectorDept. Sea and Shore FisheriesSubject: Rehabilitation of the Goose Pond Cove strip mining site

Rehabilitation of this area poses an important heavy metal toxicity problem. Some heavy metals are acutely toxic to marine organisms at various levels above background. Significant and substantial increases in the heavy metal content of soft shell clams in Goose Pond Cove have occurred since the operation of the separation plant at Harborside. The enclosed table shows the levels in soft shell clams before and after operation of the separation plant.

By retaining the dam which excludes sea water, the pit created by extraction of the ore body can serve as a settling basin comparable in many respects to a large-scale tailings pond. Such retention should appreciably reduce the amount of toxic ions being carried directly into sea water by tidal flushing after termination of the mining operation.

Should the dam be removed and free flow of tidewater in and out of the area permitted, it is probable that the level of toxic metals would increase above the levels indicated by 1961 and 1969 monitoring samples.

It can be anticipated that in the near future the Federal Government, through the F.D.A., will establish heavy metal limits for human foods and that the levels of some metals found in Goose Pond Cove will likely exceed these tolerances.

(203) 259-6753

BILL C. SCOTT

MINERAL LAND ACQUISITION  
JOINT VENTURES107 CYNTHIA DRIVE  
FAIRFIELD, CONN.

06430

# THE ACADEMY OF NATURAL SCIENCES

NINETEENTH AND THE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19103

Phone LO 4-3921 Area Code 215

I have read many articles concerning the effect of strip mining in general in the environs of Cape Rozier and particularly of the Callahan Mining Company.

These have included the following reports; the acute toxicity evaluation of water from the mine by S. C. DeWick; the report of Robert L. Dore on toxic metals in the Marine Environment; the report on the probable composition of the tailing waters; the August 1970 report of the Department of Interior on the effect of Strip-Mine Discharges on the Marine environment.

I have spent one day examining the fresh water pond, the sump pond, Gore Cove and the general environs of the mine.

I understand the mine is to close as of December 31, 1971 and that they will or have been given certain exemptions under the <sup>strip mining</sup> law or the law about to be enacted.

Because I have so little data that I ~~to~~ my staff have developed it is <sup>impossible</sup> difficult for me to make any exhaustive statement. However certain things are evident -

1. The shell fish in the area and particularly those found the vicinity of Gore Cove exceed the ~~amounts~~ <sup>of heavy</sup> metals which will probably be allowable according to Federal standards - Dr. Mound of Deluth tells me they are recommending concentrations in food similar to those in drinking water - These standards it is believed are now being developed - Therefore in view of natural release of heavy metals and release from mining activities should be strictly controlled

# THE ACADEMY OF NATURAL SCIENCES

NINETEENTH AND THE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19103

Phone LO 4-3921 Area Code 215

2. I believe it is the moral responsibility of the mine if not the legal responsibility to leave the mine pit and the mine waste piles in such a condition that they can not continue to degrade the environment. As conditions are now the pit if left unguarded is a great hazard and the appearance of the waste pile will for ever degrade the value of the area for recreation and living - Therefore I would recommend the following:

1. The mine vein be sealed and the lower part of the mine be sealed so they cannot ~~seep~~ <sup>if cannot</sup> to the but extent possible, <sup>will not</sup> seep mine minerals into the water. The mine pit should be so managed that it will not be a hazard to human life - If a lake is developed, shallow areas should be developed so that any one who falls in can get out - Perhaps it would be better to fill it with mud, <sup>outrock</sup> or to ~~develop~~ partially fill it and develop paths so one could walk down to a bog garden -

2. The waste heap should be regraded and covered in a method to support vegetation - Pennsylvania has developed extensive data on how to do this and it is being done at the present time - When this is done the area becomes attractive for living and recreational use.

# THE ACADEMY OF NATURAL SCIENCES

NINETEENTH AND THE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19103

Phone LO 4-3921 Area Code 215

As of the present time I have not been able to make extensive enough studies to determine the amount of degradation that has occurred to Goose Cove. But from the Dept of Interior report and from talking with them it would appear some damage has been done and the accumulation of heavy metals in sea weeds and molluscs are high - it would strongly recommend that waste discharge to Goose Cove be stopped so as to confine <sup>or localize</sup> effects as much as possible -  
The mine is to be commended for having developed a method for recycling most of their waste water.

Arthur Patnick

May 21, 1971

Mr. Albert Sandecki  
Tanner Street  
Haddonfield, N.J. 08033

Dear Mr. Sandecki:

Reference is made to your letter of May 18th, in which you have asked some questions relating to the "Reclamation of Goose Pond".

It appears to me that most of the points discussed are best evaluated on a mechanical (dynamics) basis, rather than a chemical one.

I for one, am personally very aware and concerned about the conservation and proper usage of our natural resources. On the other hand, I feel that in many cases there has been far more reaction than action on the various problems. For instance, there is a tendency to treat these cases from a purely chemical standpoint, due to the recent publicity concerning the presence of toxic elements in certain forms of fish and wildlife. The elements in question have always been present in our environment, and are only a problem when they are introduced, usually by physical means, in unbalanced amounts into a localized environment.

To deal with your questions more specifically, however, we discussed the problem from both a chemical and physical standpoint and have reached the following suggestions and comments:

- The precipitation of particles of ore containing Copper, Zinc, and Lead, among others, should occur at a faster rate in fresh as opposed to salt water, due to the density difference in the two, but the "Precipitating Effects" or the "Chelating Effects" would depend mainly on the hydro-dynamics of the refilling operation.

Stated another way, if the water is allowed to flow in at a relatively slow rate, precipitation would occur before the over flow of water to the bay or ocean. The undesirable components would then remain in the impoundment.

- As to the chemical reactivity aspect, it is not likely to be as important a consideration as you might believe. There is, however, more probability of chemical reaction in a salt water solution involving an exchange of ions and the formation of new compounds, than in fresh water.

Mr. Albert Sandecki  
Page 2

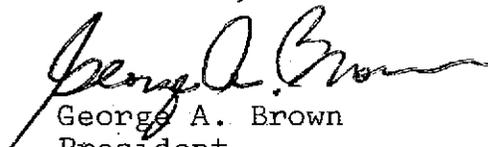
May 21, 1971

- It is also not likely that the choice of salt or fresh water would have a difference in effect on the water table in the area.
- As to the contamination of the fresh water in the area water table, that is probably one of the most important considerations in all the discussions. On this point I would recommend that a written agreement be reached with the mine company officials, that they will monitor the fresh water for a period of at least one year after the pond has reached its natural level. This monitoring should be carried out by an independent laboratory and should remain under supervision from the State Department of Health.
- The radiation level if significant in the area should be monitored by the Health Physics branch of the Health Department. Most probably this is not a problem, since the radioactivity of area I assume to be at natural levels.

In summary, I would suggest to you, to suggest to the State of Maine, to think about the possibility of stocking Goose Pond with fresh water fish, suitable for that type of impoundment.

It is good to know that concerned citizens as yourself are taking time aside to consider, carefully, ways to keep our environmental changes to a gradual adaptable pace. It is far better to act than to react in these situations.

Good luck,



George A. Brown  
President  
ES Laboratories  
Marlton, New Jersey

GAB/mt

# The WEEKLY PACKET

The Weekly Newspaper Serving Southwestern Hancock County

Blue Hill, Maine

P.O. Box 343

Phone: Area Code 207, DRake 4-5643

● Offset Printing

● Commercial  
Photography

July 27, 1971

Mr. Albert Sandecki  
Harborside, Maine  
04642

Dear Mr. Sandecki:

It seems that no matter what we write regarding the Goose Falls Reclamation Committee, you are not going to be happy with the results.

I asked you specifically at one point in our conversation of July 21 whether the committee would be available to the press and the public following the forthcoming Friday meeting. Your reply left no doubt in my mind that this would, indeed, be the case. If I misunderstood you, I apologize.

When you spoke of a committee meeting--whether one that is closed or one that is public--I took it to mean the regular session of the committee, not a briefing or question-and-answer session afterward.

Quite frankly, I have no doubt that most of the committee members are sincerely trying to establish the best reclamation program possible for the mine area. But I am equally certain that, by allowing the public to participate in all of your deliberations--not just those which you think should be open--you would make the stated goals of your committee a hell of a lot more credible.

Sincerely,

*Hugh Bowden*

Hugh Bowden  
Editor

Call from Dr. Patrick, 12:45 pm

July 27th, confirming arrival on the 29th about 9 am for the days survey, will return to Sweet Marsh that evening and return for the GPRC meeting on the 30th, 10 am.  
( 244 - 3220 )

Call to Fred Beck, Portland asking  
<sup>12:55 pm.</sup>  
for permission to view the mine-site call Thursday at mine for time and guide.

Call to Lt. Wyman for test results by survey team from MIT & MMA on tidal currents. Pick up info 9 am 28th . More tidal flow from South end of Holbrook Island, entering water more volume than outflow. North end of island more tidal outflow than inflow.

Generally the tidal effect <sup>VOLUME.</sup> is more pronounced up the Bagaduce River than down into the Penobscot Bay.

(Lt. Wyman)

Harborside,  
Maine 04642  
July 26, 1971

Cooperative Extension Service  
Box 360 P.O. Building  
Ellsworth, Maine 04645

Mr. Carl Rogers  
Extension Agent

Dear Mr. Rogers:

I understand from John Gray that he has contacted you in regard to the meeting on July 30th at the mine offices (10 am.) and I am assuming that you are able to come.

I have a request and if it is possible for you to do this it would be appreciated. To save time you may have the proper channels to get a copy of the study that the SCS did on the rainfall or surface drainage estimate for the area of the mine-site. I believe that Albert Dow knows something about this study and quite possibly he might be able to give you a copy of this information.

The question of the prospective natural means of flooding the open-pit mine area was brought up at the last meeting of the Reclamation committee. There must be in existence at least a study of the area watershed possibly done for Callahan when they became cooperators with the SCS.

I wrote to Albert Dow about the SCS recommendations for Callahan's conservation plan about six months ago and he informed me that this information could only be given with Callahan's permission, which is understandable.

I would think there would be no objection on the part of Callahan if within that study there was this information, on area drainage, fresh water runoff or the nature of the watershed in the area, which might be of help in considering reclamation plans.

This information could help in estimating the length of time that it would take to fill the pit area and also would be of interest to Dr. Patrick and her preliminary study on the 29th. If this information is available I would like to have it in time for her evaluation.

Sincerely,

Albert Sandecki  
Chairman GPRC  
326-4675

Harborside,  
Maine 04642  
July 26, 1971

The Ellsworth American, Inc.  
Ellsworth, Maine 04605

Mr. J.R. Wiggins  
News Editor

Dear Jack:

Noticed the article in last weeks American giving the wrong date of the second committee meeting of the Goose Pond Reclamation group. I sent a notice of the date and time change to your paper on the 17th. In case it was lost in the shuffle the change is as follows:

July 28th Dr. Patrick arrives

" 29th Dr. Patrick surveys

" 30th Dr. Patrick reports to  
the Goose Pond Reclamation  
Committee at 10 am. Press  
welcome at approx. 11:30 am.

Unfortunately Mr. Bowden reported the public was invited to the latter part of this meeting, which puts me in a hairy spot with the other committee members (Packet pg.7, July 22nd.). Such is not the case as we had discussed later the same day of his telephone call.

I hope you or someone from the American will be at the discussion session to better inform the public on what is trying to be done towards reclamation.

Sincerely,

A. Sandecki

Harborside,  
Maine 04642  
July 26, 1971

The Weekly Packet  
Blue Hill, Maine

Mr. Hugh Bowden:  
News Editor

Dear Mr. Bowden:

I was surprised with the article in the Packet dated July 22nd describing the latter part of our committee meeting as public.

I'm sure you recall I twice answered you in our telephone conversation of the 21st, that it would not be a public meeting at this time, but the committee members would be available to the press after the meeting of the working committee.

It was further stated that there would be a public meeting within a week or two after the committee has met on the 30th and correlated the information it is seeking.

I can only express surprise that you have done this.

Sincerely,

Albert Sandecki  
Chairman GPRC

Harborside  
Maine 04642  
July 22, 1971

State of Maine Forestry Department  
Augusta, Maine 04330

Patricia L. Morton for  
Mr. Robert G. Doyle  
State Geologist

Dear Mrs. Morton:

Thank you for your letter of the 21st, in regard to the Goose Pond Reclamation Committee.

The date for the next meeting has been changed, due to a delay in the arrival of Dr. Patrick. The new date and time for the meeting is July 30th at 10 am.

I would appreciate it if you would advise Mr. Doyle of the change, although he may be aware of this change by now if he has received the memo dated July 19th from Mr. Fred Beck, Callahan Mining's geologist. However I would appreciate your making sure he is aware of the change.

Recent conversation with Mr. Dow indicates that he will be attending the meeting on the 30th.

Dr. Patrick's schedule is as follows:

JULY 28th... Late arrival.

JULY 29th... Preliminary survey.

JULY 30th... Committee meeting 10 am.

Sincerely,

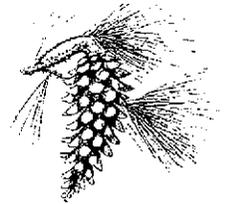
Albert E. Sandeck  
Chairman GPRC



State of Maine  
**FORESTRY DEPARTMENT**

Augusta, Maine 04330

TEL. 207-289-2791



AUSTIN H. WILKINS  
FOREST COMMISSIONER

FRED E. HOLT  
DEPUTY FOREST COMMISSIONER

WHITE PINE CONE AND TASSEL  
STATE FLORAL EMBLEM  
ADOPTED BY THE LEGISLATURE—1895

July 21, 1971

Albert E. Sandeck, Chairman  
Goose Pond Reclamation Committee  
Harborside, Maine 04642

Dear Mr. Sandeck:

Mr. Doyle has asked me to inform you that Monday, July 26, he and Bob Dow have previously scheduled engagements and will not be able to attend a meeting at Harborside.

Mr. Doyle would very much like to meet with Dr. Patrick, therefore, if you could send us an exact schedule, he will try to make it down one of the days she is there.

Very truly yours,

MAINE GEOLOGICAL SURVEY

*Patricia L. Morton*

Patricia L. Morton for  
Robert G. Doyle  
State Geologist

RGD:pm

cc: Mr. Fred Beck

Harborside  
Maine 04642  
July 21, 1971

Natural Resources Council  
20 Willow Street  
Augusta, Maine 04330

Mr. Marshall Burk  
Executive Secretary

Dear Marshall:

I received a call from Mr. Robert Dow today in regard to my request to you a few days ago for a copy of the FWQA report, thank you for calling him.

I understand it is his intention to attend the meeting of the GPRC on July 30th at 10:am along with Paul Venno and Mr. John Hurst. Mr. Dow will forward the new report on the Callahan effluent discharges prior to the arrival of Dr. Patrick on the 28th for her consideration in the study of the area.

With the developing interest in the reclamation of the Callahan mine-site (pond beds) there will probably be a meeting of the committee with the interested public within a week or two of the meeting of the 30th.

Thanks again for your efforts in getting the report.

Sincerely,

Albert Sandecki

\* WEDNESDAY JULY 21 \*

12:10 pm.

Call from Mr. Robert L. Dow, biologist  
Sea & Shore Fisheries:

Burk called and asked if he would send a copy of the F.W.Q.A. report (dec.70) containing the information on the effluent discharge of the Callahan Mining Corporation in to the Bagaduce River.

Dow will send the report and attend the meeting of the GPRC on the 30th at 10am. along with, Paul Venno, Mr. John Hurst. and would like to discuss with Dr. Ruth Patrick her findings.

1:05 pm.

Call from Mr. Hugh Bowden, Weekly Packet news editor, on advance story of the meeting on the 30th. Is meeting closed to the public ? Yes. To facilitate the working committee's correlation of the information from Dr. Patrick's survey. This will then be presented to the public at a meeting to be held in the near future, probably at the grange hall.

H.B. "the press may attend after the meeting on the 30th ?" Yes. "but the public may not is this correct?" Yes.

A.S. "so as not to get off on the wrong foot again, this is a working committee and the information gathered will be presented at a public meeting within a week or two."

1:30 pm

Jack Wiggins stopped by, News Editor of the Ellsworth American.

Opinion on closed meeting- "Hard time gaining public support for decisions arrived at secretly." I expressed the intention (as per Fred Beck) to hold a public meeting within a week or two to discuss the various proposals correlated by the committee.

He mentioned there would probably be little attendance if it were held during the day. I said it might be more readily attended if the meeting were held in the evening.

A. Sandecki  
Chairman GPRC

# CALLAHAN MINING CORPORATION

**TO:** A. Sandecki, J. Gray  
R. Dow, R. Doyle                      **DATE:** July 19, 1971

**FROM:** F. M. Beck                      **COPIES:**

**SUBJECT:** July Meeting - Goose Pond Reclamation Committee

---

The next meeting of the Goose Pond Reclamation Committee is scheduled for 10:00 a.m. on July 30 at the offices of Callahan Mining Corporation.

If this time is inconvenient, please let Mr. Sandecki know. His number is 326-4675 in Harborside.

The agenda will include a review by Dr. Patrick of what she feels she or her group might be able to accomplish in regards to the potential water problems accompanying Goose Pond rehabilitation. Also, a representative from the County will be available to discuss possible Federal assistance for rehabilitation.

Harborside  
Maine 04642  
July 20, 1971

Natural Resources Council  
20 Willow Street  
Augusta, Maine 04330

Mr. Marshall Burk  
Executive Secretary

Dear Marshall:

Last spring you mentioned a new report from the U.S. Dept. of Interior, published in August of 1970 concerning Callahan Mining effluent discharge data.

You said you could send me this report or a copy and I would certainly appreciate it if you would at your earliest convenience.

Dr. Ruth Patrick will be arriving on the 28th and will conduct her survey on the 29th and I'm sure this report would be a help to her. The Maine Maritime Academy and their research team from M.I.T. have agreed to give us (THE COMMITTEE) their information on the tidal currents in the vicinity of Goose Cove and the Penobscot & Bagaduce rivers.

They too for that matter have been trying to get a copy of this report you spoke of and if you have an extra copy they would like to have it in conjunction with their work.

If you don't have a copy to spare please send me the information on where to get one.

Thanks.

Sincerely,

Albert Sandeck  
Chairman G.P.R.C.

Harborside  
Maine 04642  
17 July 1971

Maine Maritime Academy  
Castine, Maine 04421

Lt. David B. Wyman  
Asst. Prof. Ocean Engineering

Dear Lt. Wyman:

Just to let you know that Dr. Patrick's visit to the Callahan Mine-site has been delayed, she will be arriving on the 28th and will begin her survey on the 29th, reporting to our committee on the 30th at 10 am.

I do not know her schedule other than outlined above, I will try to arrange a meeting with your group if time permits. Please do not take this the wrong way but she is a very busy individual and if you don't mind notice of any get together would probably be rather hasty between the 28th and 30th.

If any thing new comes up I'll let you know and will probably be over sometime next week to make copys of the material I have that might be of interest to your survey team.

Sincerely,

Albert Sandeck

Harborside  
Mailge 04642  
July 17, 1971

Department of Sea & Shore Fisheries  
State House, Augusta, Maine 04330

Mr. Robert L. Dow  
Marine Research Director

Dear Mr. Dow:

Thank you for your letter of June 23rd. Perhaps now I have a better understanding of your departments responsibilities in regard to the problem we are facing here at Harborside.

In the event that you might have misunderstood my reason or purpose in writing to you about Dr. Patrick and her visit to the Callahan mine-site I would like to say that as an individual concerned with the reclamation of the pond beds I thought it would be worthwhile having her recommendations for not only the committee's consideration but yours as well.

Mr. Paul Venno seemed to be most interested in Dr. Patrick's coming to survey the area and in light of his reactions as well as others forming the committee I went ahead with the arrangements to have Dr. Patrick come to the area.

It is perfectly understood that any in depth survey and extended monitoring of the area would have to be your departments decision, and this has been conveyed to Dr. Patrick by letter on June 15th.

I understand that Mr. Doyle has yet to appoint two members to represent the State of Maine on our committee and I am dissatisfied to hear this. My hopes and perhaps some of those of the other committee members, are that this does not represent the attitude and interest on the State's behalf in regard to the restoration of Goose Pond.

Dr. Patrick will be arriving on the 28th to make her preliminary study of the situation on the 29th and will report to the committee the morning of the 30th at 10 am.

I hope you, Mr. Hurst or Mr. Venno might find it possible to hear her remarks.

Sincerely,

Albert Sandecki

\* COPY \*

Harborside  
Maine 04642  
July 17, 1971

PRESS NOTICE

Re: GOOSE POND RECLAMATION COMMITTEE  
(CHANGE OF DATE AND TIME OF MEETING)

THE NEW DATE of the second meeting is FRIDAY, JULY 30  
at the offices of the Callahan Mining Corporation on  
Cape Rosier.

THE NEW TIME of the meeting for the working committee  
is 10 am.

Members of the committee will be available for dis-  
cussion with members of the press following the meet-  
ing at approximately 11:30 am.

To clarify the recent notices of Dr. Patrick's visit  
"with a survey team" to the mine -site, she alone will  
be arriving on the 28th to make her preliminary study  
of the situation on the 29th and report to the committee  
the morning of the 30th.

Albert Sandecki  
Chairman  
326-4675

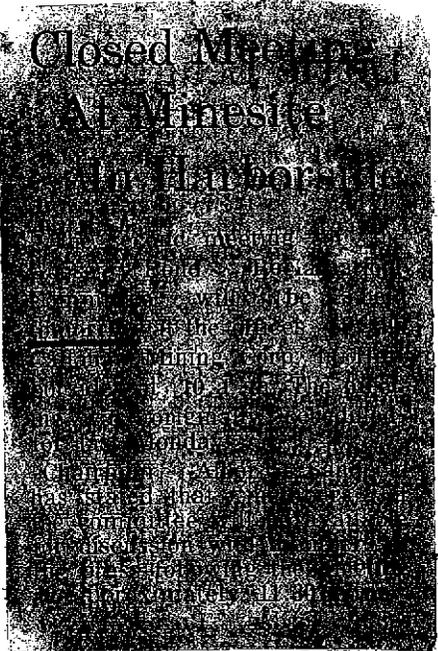
cc:

Dr. Ruth Patrick, Ph.D.  
Curator of Limnology

Mr. Fred Beck  
Geologist Callahan Corp.

SEND TO -  
BANGOR DAILY  
WEAVER PACKET  
MAINE TIMES  
ELLSWORTH AMER.  
ISLAND AVANTAGES.

EA. July 22/71



Closed Meeting  
At Minesite  
In Harbor

W.P. July 22/71

### Reclamation committee to meet at mine site

BROOKSVILLE--Members of the Goose Pond Reclamation Committee will meet in secret session July 30 at Callahan Mining Corporation's Penobscot Unit at Cape Rosier.

Committee President Albert Sandecki indicated that while the session will be closed to "better facilitate the workings of the committee," a public meeting will be called in the near future as soon as necessary information can be correlated.

Dr. Ruth Patrick from the Academy of Natural Sciences of Philadelphia will visit the mine site Aug. 29 for her preliminary study and will report to the committee the following day.

Upon completion of the study, recommendations regarding reclamation of the mine after it closes early next year will be presented to the committee.

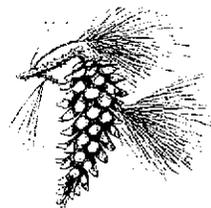
Sandecki said that the committee will be available for discussion with members of the press and the public at about 11:30 a.m. following the 10 a.m. meeting July 30.



State of Maine  
**FORESTRY DEPARTMENT**

Augusta, Maine 04330

TEL. 207-289-2791



AUSTIN H. WILKINS  
FOREST COMMISSIONER  
  
FRED E. HOLT  
DEPUTY FOREST COMMISSIONER

WHITE PINE CONE AND TASSEL  
STATE FLORAL EMBLEM  
ADOPTED BY THE LEGISLATURE - 1895

July 12, 1971

Albert E. Sandecki, Chairman  
Goose Pond Reclamation Committee  
Harborside, Maine 04642

Dear Mr. Sandecki:

As far as I know, I will be available for a meeting at Harborside on the 24th. There was no decision reached on funding Dr. Patrick's survey but at this time, we will not be able to produce any money at all.

Regarding Fred Beck's letter to you of a few week's ago, I am in complete agreement with him.

Very truly yours,

MAINE MINING BUREAU

Robert G. Doyle  
Administrator

RGD:pm

SENT TO:  
BANGOR DAILY  
ELLSWORTH AMERICAN  
ISLAND ADVANTAGES.  
WEEKLY PACKET  
MAINE TIMES.

- COPY -

Harborside  
Maine 04642  
July 15th 1971

PRESS NOTICE

Re: GOOSE POND RECLAMATION COMMITTEE

The second meeting will be held on MONDAY, JULY 26th  
at the offices of the Callahan Mining Corporation on  
Cape Rosier.

The working committee will meet at 1 pm.

Members of the committee will be available for dis-  
cussion with members of the press following the meet-  
ing at approximately 2:30 pm.

CORRECTION DR. PATRICK CALL 16 JULY 11:10 AM  
CHANGE TO 28 - 30TH.

Albert Sandecki  
Chairman  
326-4675

CALL TO CONFIRM  
CHANGE WITH  
F. BECK } 9 PM.  
J. GRAY }

\* COPY \*

Harborside  
Maine 04642  
July 15, 1971



PRESS NOTICE ✓

Re: GOOSE POND RECLAMATION COMMITTEE

The second meeting will be held on MONDAY, JULY 26th  
at the offices of the Callahan Mining Corporation on  
Cape Rosier.

The working committee will meet at 1 pm. and after  
this meeting there will be an <sup>BRIEF</sup> open discussion period  
at approximately 2:30 pm.

FOR MEMBERS OF  
THE PRESS.

Albert Sandecki  
Chairman  
326-4675

sent to: Bangor Daily, Ellsworth American, Maine Times  
Island Advantages, and The Weekly Packet.

Harborside  
Maine 04642  
July 13, 1971

The Academy of Natural Sciences  
19th & The Parkway  
Philadelphia, Pennsylvania 19103

Dr. Ruth Patrick, Ph.D.  
Curator of Limnology

Dear Dr. Patrick:

My letter to you on June 19th mentioned the work of Lt. Wyman at the Maine Maritime Academy on monitoring the tidal currents in the area that would be affected by the eventual outflow of the open-pit mine area. I had a meeting with Lt. Wyman and some of his associates from M.I.T. concerning the need for information on the characteristics of the waters in the area of the Penobscot and Bagaduce Rivers.

He expressed a willingness to help, with the understanding that the work they are doing is experimental in nature and is meant as a study course by the oceanographic team assembled at the Academy. Lt. Wyman has asked to meet with you to discuss your particular needs in the way of current studies and I would be very happy to provide you with transportation to the Academy or the research vessel within a few minutes. After our meeting on July 7th, Lt. Wyman was kind enough to follow me to the Goose Cove area and look over the situation. I noticed yesterday a monitoring device at the pass between Goose Cove and the Southerly end of Holbrook Island.

I may be jumping the gun on the matter of your preliminary recommendations to our committee but feel his departments information may be of help to you.

The Maine Department of Sea & Shore Fisheries has expressed a willingness to have your recommendations but would like to maintain the responsibility for decisions on future detailed survey and monitoring of the area. Mr. Robert L. Dow the department's Biologist has suggested further discussion with their Laboratory Director, Mr. John Hurst in either Boothbay Harbor or Augusta. I do not know what your time situation is but if practical I could make the necessary arrangements for a meeting.

All necessary arrangements are made for your living and dining convenience and I am anxious to see you on or about the 22nd of July. I will call to confirm, as you suggested, on the 20th.

Sincerely,

Albert E. Sandecki  
Chairman G.E.R.C.

CC: LT. WYMAN

*Maine Opinions*

# Goose Pond Reclamation Committee At Harborside

(Reprinted from an article by Laurie Woodard in MAINE ENVIRONMENTAL BULLETIN, published by the Natural Resources Council of Maine).

As a result of open pit mining activities conducted by Callahan Mining Corporation for the past 5 years, but which will cease operation in 1972, a beautiful tidal estuary at Cape Rosier has been converted into an ugly 340' deep pit. Moreover the whole area is now threatened with severe ecological problems. Recent studies (Aug. 1970) by the Federal Water Quality Administration have shown that zinc and copper concentrations in the shellfish and seaweed in the effluent areas of the mine are at a dangerously high level. To cope with these impending problems the Goose Pond Reclamation Committee was formed June 8, 1971, at Harborside. Among its first actions was to call in a field study team from the Academy of Natural Sciences of Philadelphia to make recommendations for reclamation of the area. The team, lead by Dr. Ruth Patrick, head of the Dept. of Limnology, will begin their study this July.

Perhaps most disturbing about this situation is that the inherent problems involved with Callahan's mining activities were recognized and expressed at the onset of the mining. In January and March 1968, both lead articles of the NRC Bulletin were concerned with this issue and dealt with the need for state mining regulations as well as the specific Callahan problem. But legislative attempts to create adequate controls have been weakened by existing mining interests pressure. Thus a mining commission was established but its jurisdiction was sharply curtailed and existing mining operations have been conveniently "grandfathered".

The state's handling of the Cape Rosier case is a sad example of sacrificing sound long-term planning for immed-

iate economic "gains." At the urging of Governor Reed's special legislation (LD-1705) was adopted to allow Callahan to dam and drain the estuary. Other agencies and organizations at that time encouraged Callahan's activities. In its January 17, 1966 Bulletin, the Maine State Chamber of Commerce termed the operation as a promise of a "great economic boom for that area with no apparent harm to anyone, particularly in the field of pollution, etc." Disturbing is the Jan. 10, 1967, Land Use Ruling of the Mining Bureau which reads, "...it has been judged the activities of the corporation on these three claims will not have a permanent adverse effect on the natural resources and other assets of the area." Most distressing is the final paragraph of the 20 year renewable lease signed, December 15, 1967, between the Mining Bureau and Callahan. It states "...the planning, funding, and implementation of a program for the rehabilitation of the said lands (will be made) upon the completion of mining activities thereon. The details of such program... shall be the subject of further discussion and negotiation between the parties." The idea that the restoration of this area was left "hanging" is shocking!

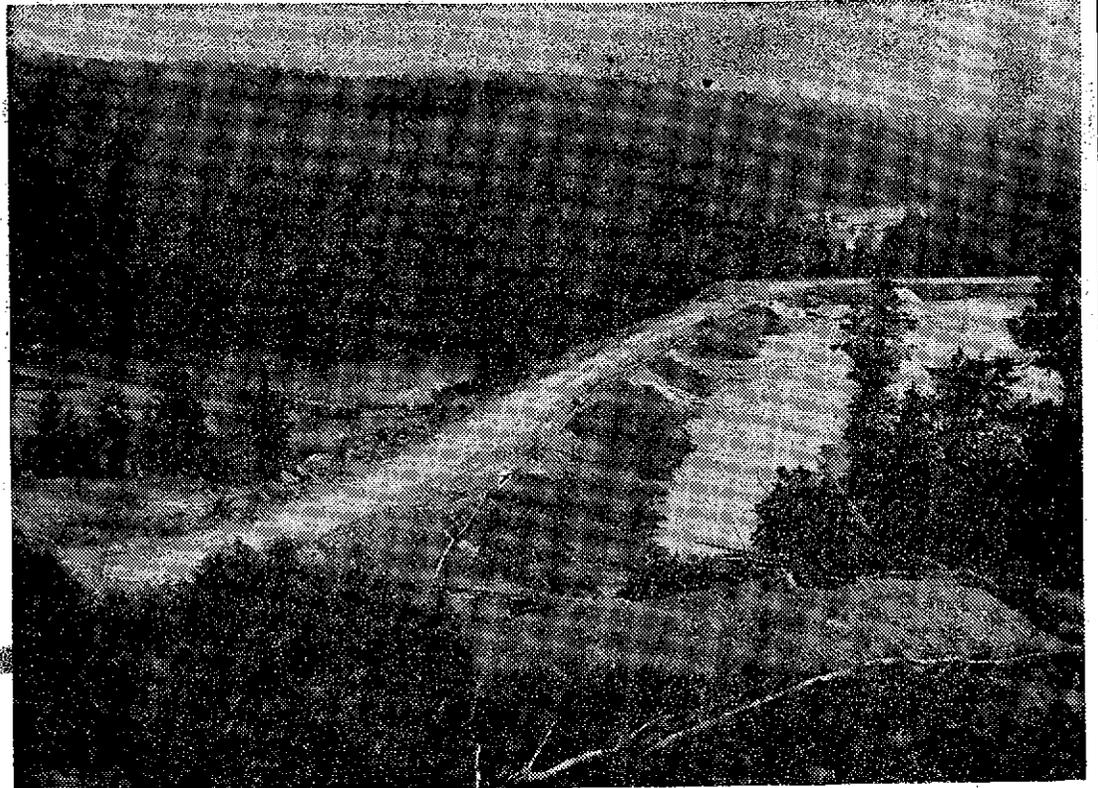
This contemporary optimism and blind encouragement of Callahan's activities, today serve only to haunt us. The dismal gouged landscape of Cape Rosier are a sad reminder of past folly and imminent environmental danger. However, we do have the option to prevent the repetition of such a miserable mistake by making more stringent mining regulations as well as more comprehensive studies of the impact of incoming firms.

# Reclamation Of Mining Site A Major Project

The Natural Resources Council in the June **Environmental Bulletin** expressed encouragement at the activities of the **Goose Pond Reclamation Committee** in calling for a field study of the Callahan Mine at Harborside in Hancock County. Headed by Dr. Ruth Patrick, well-known limnologist, the team from the Academy of Sciences in Philadelphia will make recommendations for the reclamation of the mine that Callahan will close in 1972, an area described as "A beautiful tidal estuary at Cape Rosier, which has been turned into an ugly 340-foot deep pit."

The NRC has been deeply concerned for some years about the problem of mining reclamation and the lack of regulations in the state. The article notes that most of the existing mining operations have been "grandfathered" out of the present laws. Writing for the **Bulletin**, Laurie Woodward cited the lease between the Callahan Mining Co. and the Maine Mining Bureau which states the problem of reclamation is left undecided "to be made upon the completion of mining activities." Miss Woodward commented that the "dismal gouged landscape of Cape Rosier is a sad reminder of past folly and imminent environmental danger." She noted that recent studies by the Federal Water Quality

Administration "have shown that zinc and copper concentrations in the shellfish and seaweed in the effluent areas of the mine are at a dangerously high level."



## Where Waste Is Dumped

Refuse from the open-pit copper and zinc mine on Cape Rosier is pulverized, mixed with water and then pumped to the holding pit at right. Reclamation

proposals call for the entire mining area to be reflooded when the operation closes down. The main pit is now shown. (NEWS Photo)

## Hancock County Land Studied By Scientists

The Academy of Natural Sciences in Philadelphia will send a survey team to Brooksville, in Hancock County, at the invitation of the recently formed **Goose Pond Reclamation Committee**.

The survey team will be directed by Dr. Ruth Patrick, chairman of the Academy's Department of Limnology, which for two decades has carried

on basic research in the ecology of streams, lakes and estuaries.

The committee is studying the problem of whether the Callahan Mining Corp. pit here should be reflooded with fresh or salt water, and the effect toxic metal ions may have on water organisms.

Participating in the research project will be representatives of Callahan Mining Corp. and the Maine Department of Sea and Shore Fisheries, and Maine Mining Bureau.