

***Councillor McCarthy's Public Meeting  
on the St. Mary's Quarry Proposal***

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September 19<sup>TH</sup>, 2006 – Balaclava School



## ***Councillor McCarthy's Public Meeting on the St. Mary's Quarry Proposal***

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- Original work for our Rural Official Plan would have included vintage aggregate resource mapping, but now conflicting land uses that currently exist will be identified making the once potentially viable extraction site as being exposed as incompatible.**
- The County of Huron recently undertook a new mapping strategy to identify what they deemed ultimately supportable for extraction purposes, but more importantly under that same criteria what they deemed as disqualifying features that would never be supported.**



*Councillor McCarthy's Public Meeting on the St. Mary's Quarry Proposal*  
Sterilizing Features (identified by County of Huron)

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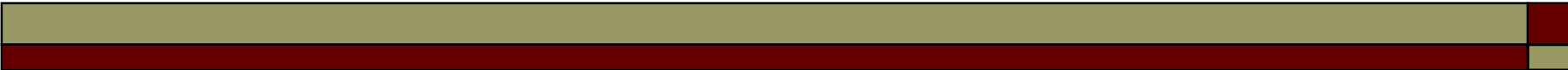
- ***Urban areas and non-agricultural land uses with a 0 m. buffer***
- ***Cemetaries with a 0 m. buffer***
- ***Landfills with a 0 m. buffer***
- ***Provincially Significant Wetlands plus a buffer zone of 120 m.***
- ***Provincially significant Life Science A.N.S.I.'s with a 50 m. buffer***
- ***Elementary, secondary and private schools with a 30 m. buffer***
- ***Municipal Wellhead Capture Zones***



*Councillor McCarthy's Public Meeting on the St. Mary's Quarry Proposal*  
Constraining Features (identified by County of Huron)

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- ***Locally Significant Wetland plus a buffer zone of 120 m.***
- ***Locally Significant Life Science A.N.S.I.'s with a 50 m. buffer***
- ***Locally significant woodlands with a 50 m. buffer***
- ***Sinkholes with a 30 m. buffer***
- ***Significant Valley Lands with a 50 m. buffer***
- ***Floodplains with a 50 m. buffer***



***Councillor McCarthy's Public Meeting on the St. Mary's Quarry Proposal***  
Recommendations (identified by County of Huron)

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- Primary and Secondary Aggregate Deposits
- Sterilizing features and buffers
- ***Constraining features and their buffers***
- Designate Aggregate deposits with 0 or 1 constraint
- ***Do Not designate aggregate deposits with 2 or 3 constraints***
- ***Discourage Extraction on Sterilized Aggregate Deposits***



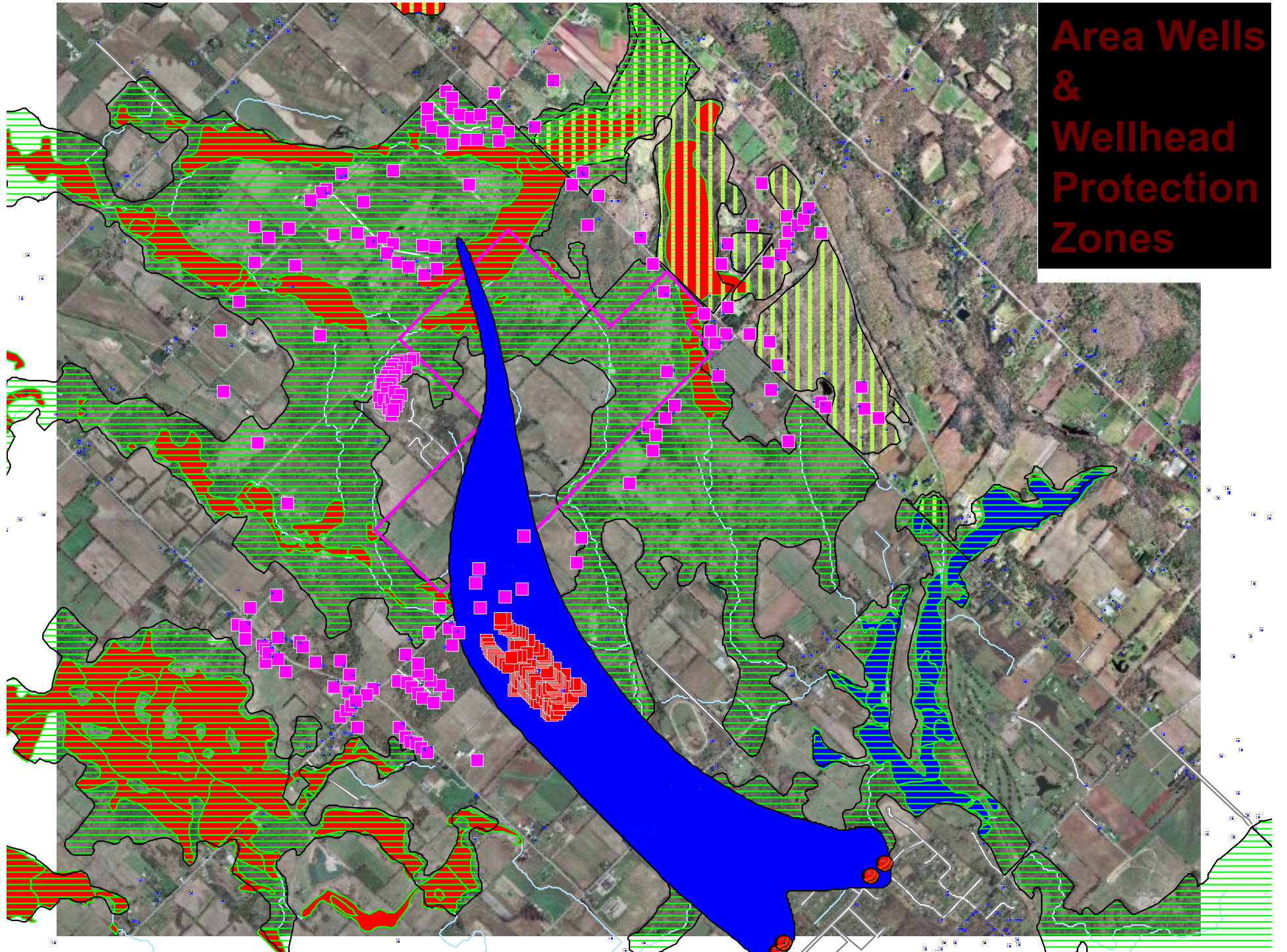
*Councillor McCarthy's Public Meeting on the St. Mary's Quarry Proposal*

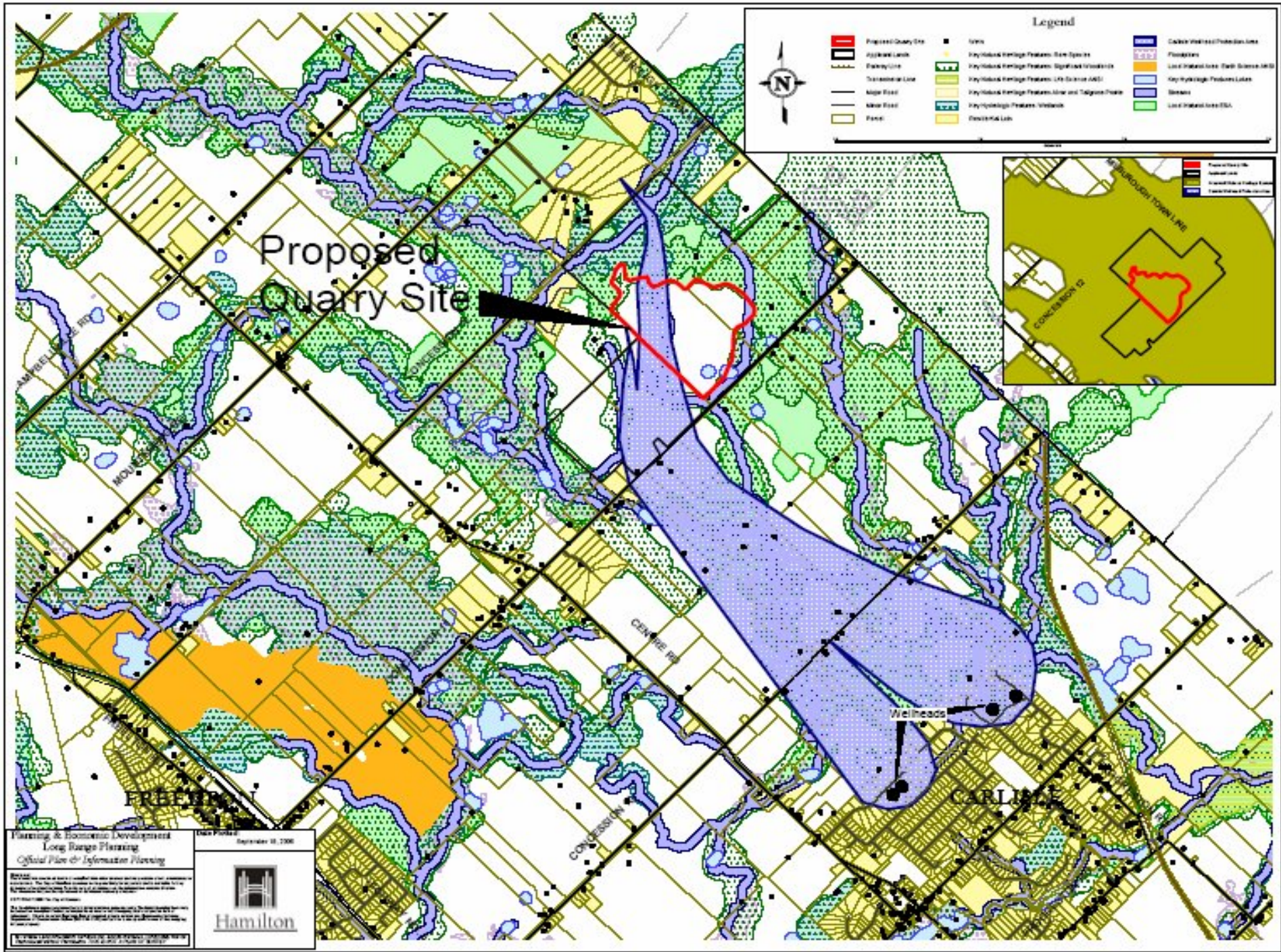
Based on County of Huron Policies & Procedures

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- ❑ **Do not designate lands with TWO or THREE constraining features**
- ❑ **BINGO! *This proposal has FIVE constraining features!!!***
- ❑ If this was proposed in the County of Huron under the very same process, this site would NEVER see the light of day for any support to be identified as a potential quarrying location.

# Area Wells & Wellhead Protection Zones





## **Historic Water Problems**

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- What you are about to see in the following slides is well-documented, historic water problems that predate this quarry application.
- Flamborough would be further detrimentally affected if a quarrying operation of this magnitude of this proportion was ever contemplated

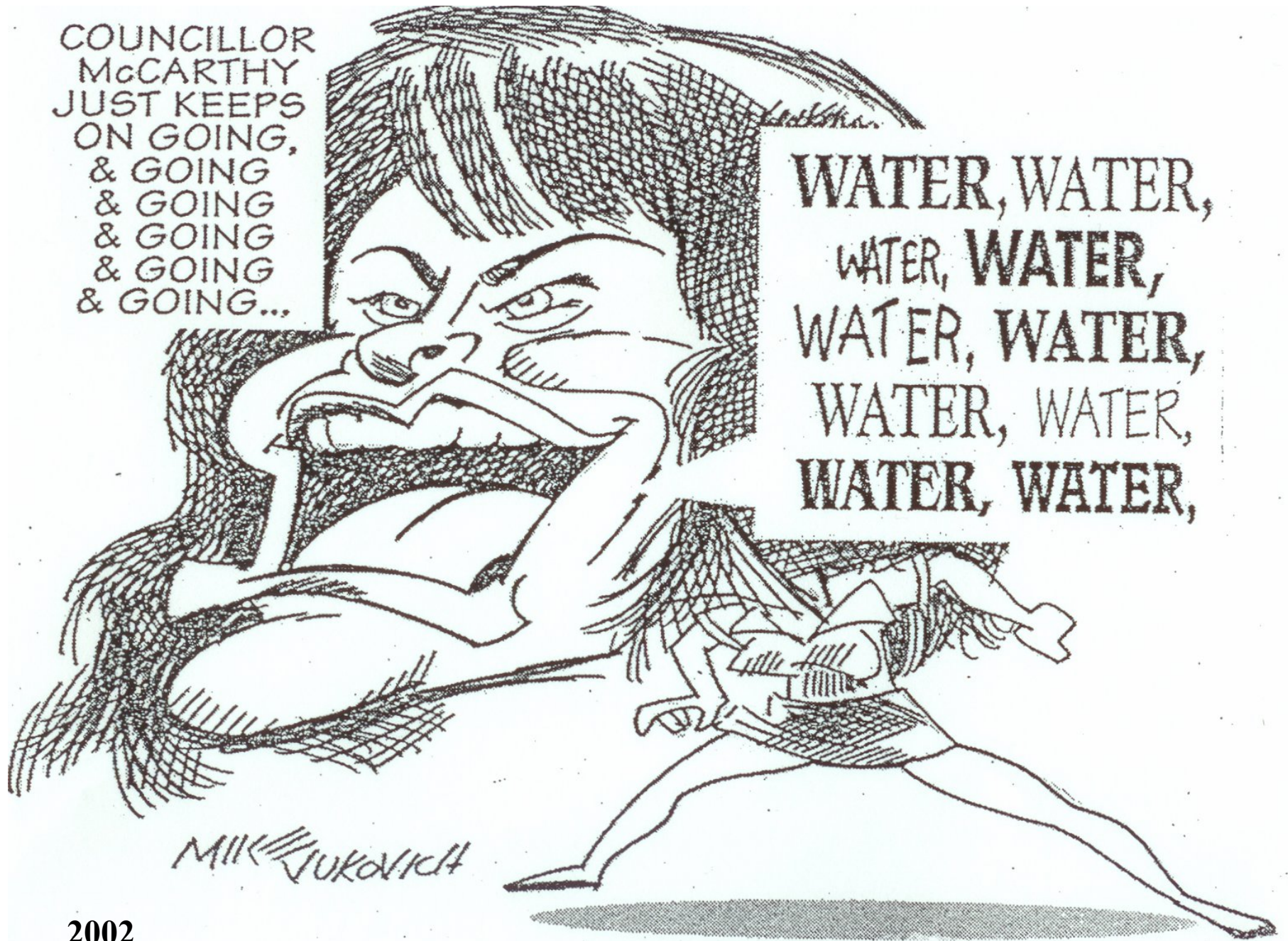
MARGARET McCARTHY  
WANNABE WATER  
GODDESS OF  
FLAMBOROUGH!

BRINGING WATER  
TO THE MASSES!



COUNCILLOR  
McCARTHY  
JUST KEEPS  
ON GOING,  
& GOING  
& GOING  
& GOING  
& GOING  
& GOING...

WATER, WATER,  
WATER, WATER,  
WATER, WATER,  
WATER, WATER,  
WATER, WATER,



MIKE JUKOVITCH

July 25<sup>th</sup>, 2002

Thursday, July 25, 2002

## Extra well, water tank considered for Carlisle

By DAN NOLAN  
Municipal Affairs Reporter  
The Hamilton Spectator  
FLAMBOROUGH

The city is looking at opening up a new well to serve residents of Carlisle to avoid a repeat of water bans because of hot, dry weather.

Hamilton is also considering moving up the date of building a second elevated water tank to serve the community, which will soon see a new 24-home subdivision rise in its midst, and accelerating the chlorination process to get water to homeowners more quickly. About 600 homes receive water from a communal well system.

The city officially lifted a two-week outdoor water ban in the community yesterday after a series of torrential downpours allowed it to replenish its water supply. The ban was also lifted for the communities of Freelton, Greensville and Lynden. Water delivery to those communities, which are also served by communal wells, is also being reviewed. Wells serve 326 homes in those three communities.

The city says it has more than enough water capacity to cover Carlisle, but the situation got tense in the past six weeks when demand soared because of the heat. Residents were complaining they did not have enough water to take showers or to make a pot of coffee.

Carlisle has four wells, but only two at a time are used to fill residents' water needs. City staff have begun tests to show the province it might be better to serve the community with three wells at a time.

"We're trying to get away, even if there is a dry, hot spell, from banning water use for our customers," said Jim Harnum, manager of water distribution for the city. "Nobody wants to say to their customers 'We can't offer you these services anymore.' We're trying to bump up our ability to supply that demand."

The communal well system can supply 2.6 cubic metres of water per household.

Harnum notes the guidelines from the Ontario Ministry of the Environment say communal systems should be able to supply between .08 and 1.4 cubic metres per household. The Carlisle elevated water tank can hold 1,400 cubic metres and another would increase reserves.

The present plan is to build a second water storage tank for Carlisle in 2011. Harnum said a study will determine how far to move the date forward.

Ward 15 Councillor Margaret McCarthy, who represents Carlisle, was pleased the ban has been lifted and that the city was looking at solutions to prevent it from happening again.

"It's not pleasant having a watering ban on, but I think this situation has served an useful purpose as a big wake-up call," she said.

Harnum said the majority of residents complied with the ban, but city officials had to issue two warnings to a few residents to respect the ban. Ignoring the ban totally could have resulted in a \$305 fine.

Thursday, September 12, 2002

## Carlisle, Freelton water woes cause stir

By DAN NOLAN  
Municipal Affairs Reporter  
The Hamilton Spectator

Some councillors reacted with disbelief and anger at being accused by Councillor Margaret McCarthy of showing "callous disregard" for the water troubles of Freelton and Carlisle residents.

The Ward 15 councillor's accusation came yesterday shortly after councillors agreed at committee to speed up and spend \$200,000 to do servicing studies for the communities whose taps have gone dry — in Carlisle through over-consumption, and in Freelton, water quality troubles.

She followed that up with a pitch to council last night for \$3 million to be set aside for potential water projects in the communities from the Community Trust Fund. The fund consists of \$37 million made available by the privatization of Hamilton Hydro.

Her request, which also prompted disbelief because it came after a year-long process to earmark city projects, was defeated 12-2. Her lone supporter was Ward 14 Councillor Dave Braden. Ward 8 Councillor Frank D'Amico said he was offended by McCarthy's accusation, calling it "politics of the worse kind ... It's not fair." He wanted an apology.

Ward 7 Councillor Bill Kelly said council was not turning its back on the communities.

Ward 4 Councillor Sam Merulla was stunned at the charge, since the majority of councillors supported the servicing studies. He called her comments "inappropriate, unacceptable and unprofessional."

Ward 3 Councillor Bernie Morelli said it was disrespectful and made reference to the many times McCarthy and Braden have opposed council items because they believed the process in dealing with them was not being followed.

September 12, 2002

McCarthy offered no apologies for her comment and said, in asking for the \$3 million, she was doing nothing different than other councillors have done in asking for funds for a certain project. She said, however, her project was different because it involved water. "I'm here to say I need some money and I don't want a fight," she told her council colleagues. "This is way too important to shove under the carpet."

The Carlisle study, which will consider the construction of a second water tower and connecting the community to city water pipes in Waterdown, was not scheduled to commence until next year. City staff asked for it to begin this fall because of troubles residents have experienced in accessing water this summer. The study, estimated to cost \$100,000, will also look at expanding the existing elevated water tank and drilling a new well.

Freelton was added to the equation after appeals by Braden and McCarthy.

Although staff insist Carlisle has enough water under provincial guidelines, residents' taps were going dry periodically during the summer. Outdoor watering bans were imposed, including one this past weekend after taps went dry again.

Staff say Carlisle's communal well system was having trouble keeping up with a demand driven by the season's hot, dry weather.

McCarthy also had an emotional exchange with Ward 1 Councillor Marvin Caplan when he questioned at committee whether it was wise to speed up dealing with the Freelton problem at the expense of other projects. He wondered if the city was buying "a pig in a poke" and reminded councillors they often do things "on the fly" that they live to regret.

"It's not a pig in a poke," shot back an angry McCarthy, calling the situation a crisis. "It's water we're dealing with. I'm asking for nothing more or less than to have the appropriate funding to deal with this ... It's not something to do with beautifying downtown."

City staff say Freelton's communal well system has been shut down periodically because of turbidity (cloudiness) problems that exceed Ontario guidelines.

You can contact Dan Nolan at [dnolan@hamiltonspectator.com](mailto:dnolan@hamiltonspectator.com) or at 905-526-3351.

# Residents urged to speak out on Carlisle water woes

## Approved subdivision on hold for two weeks to address residents' water quantity concerns

By Irene Gentle • The Post

**C**arlisle residents are asked to speak out now or never.

Ward 15 Councillor Margaret McCarthy is asking area residents to come forward if they have an concerns about water quantity in relation to the upcoming Palomino

Ranch Estates subdivision, which will aim to slot 24 homes into the area.

The development has been approved but a request to take a

construction hold off the property was deferred for two weeks due to water troubles in the area.

"I deferred it for that reason," she said. "I want to seek input from residents already in there."

But because the plan has been approved, any input may be used to make amendments to the plan, rather than quash it. Asking for input is a way to address concerns before it's too late, said McCarthy.

"I'm looking for some safety net for residents, to deal with the water woes we have had in the past," she said. "I've basically bought them two weeks."

Water quantity has been a concern in the area in the past, something McCarthy feared would worsen once the houses – some of which are already sold – are built.

Engineering reports say there is sufficient water for the area, but McCarthy is hoping to

hear what residents feel on the matter.

"Consumption in Carlisle is four times that of other areas," she said. "These are huge lots, paying very expensive taxes. You can't tell them not to water their lawns."

The homes are set to settle by Appaloosa Trail and Palomino Drive in Carlisle.

Residents hoping to speak out should get their names in fast, but McCarthy is asking that those who come forward do so in an organized fashion, rather than have several delegates speak individually on the same issues.

*'These are huge lots, paying very expensive taxes. You can't tell them not to water their lawns.'*

• Margaret McCarthy, Ward 15

"I need some issues to be fleshed out, some concerns to be addressed and a line of action," she said.

Those interested in speaking as delegates can call McCarthy's office at 905-546-2713.

Those interested in speaking about the technical aspects can call the city's water and wastewater division director Lou DiGironimo at 905-546-4254.



**June 7<sup>th</sup>, 2002**

# Carlisle, Freelton all dried up

Wednesday, September 11, 2002

## Lawn-watering bans return in dying days of summer

By Irene Gentle • The Post

Days before a report on the water problems plaguing Carlisle residents went before council, the taps once again stopped flowing in that area.

Freelton residents have also been impacted by low water levels, leading to a water ban being placed on both areas until further notice.

The Carlisle ban was put in place last Sunday while Freelton has been under a ban since September 1, said the city's Director of Water and Wastewater Lou Di Gironimo.

Usage was the issue in Carlisle, where many new, large lots soak up water when the dry weather hits.

"Carlisle was strictly a consumption issue over the very hot weekend," said Di Gironimo. "We have had very dry conditions over the last few weeks. But since the ban has been on,

we're fine."

In Freelton, water quality was the issue. An excess of turbidity from the area's one well forced the city to shut it down in compliance with strict new Ministry of Environment regulations.

"There are turbidity spikes. It's a water quality issue," said Di Gironimo. "Slowly, we have been losing reserves in the tower. We're having difficulty keeping up."

To ensure the system is working properly, crews have been on the scene checking for leaks and other problems. So far, none have been found.

The well is usually shut down for an hour or two when turbidity hits, and emergency water was sent out in a tanker for residents late Sunday night, at the request of Ward 15 Councillor Margaret McCarthy.

She began receiving calls that water had dried up last Sunday from Carlisle residents, and from that learned of the troubles in Freelton.

"I called for the watering ban

in Carlisle because they had no water. I was getting calls at home," said McCarthy. "People couldn't flush the toilet. There was no water coming through the taps."

Di Gironimo is hoping to alleviate some pressure in both areas next year through recommendations heading to council today.

He hopes to replace chlorine with ultraviolet as the prime disinfectant because the latter takes less time to do the job.

"I don't have to hold it back in the tank," he said, as he does with chlorine as the main disinfectant.

"Quantity and quality was an issue as we struggled between the two," he said.

If council approves, he will embark on the MOE application process, with the intent of having the UV system in place by next summer, when lawn-watering peaks.

Some chlorine will remain in the system as a disinfectant.

See McCarthy/page 14

## September 11, 2002

### McCarthy looks for solutions

Continued from page 4

He also hopes to have a second operating well in place in Freelton to help minimize service disruptions in that area.

A second water tower in the Carlisle area, scheduled to come years down the road, will also be looked at.

Di Gironimo says he will be recommending an acceleration of a review of the water situation in the area today, with an eye of speeding up a term of reference for an environmental assessment.

But until that takes place, he has no opinion of the tower should arrive faster than currently scheduled.

"I have to look at all the issues," he said. "If I prejudge, I circumvent the purpose of an EA."

But McCarthy enters the meeting wanting to hear that there is a solution to area water woes.

"I'm not an engineer. I need expert advice," she said. "Tell me what is going to fix it."



# Water solutions in the works

It's astounding that while the 70 per cent of the Earth's surface is covered with water, the city still has trouble getting it to our constituents during the summer months.

That was the case again this year when the communal wells in Carlisle, Freelon, Greensville and Lynden ran low during the recent heat wave. While it doesn't make residents any happier, Halton, Peel and the great majority of Niagara Region were also hit with watering bans.

But even before the ban, we ran into real problems up in Carlisle when residents woke up one morning to discover they could not have a shower or even make a pot of coffee.

My assistant told me there were more than 30 messages from residents left between 5:30-7 a.m., at our office, who described the situation colourfully. He wasn't surprised, saying without the lure of a morning coffee, he wouldn't even bother getting out of bed.

The problem that day was a broken pumper, meaning chlorinated water couldn't get into the tower quickly enough and when early morning lawn sprinkler systems went off, it drained the system. It was quickly fixed but it was too late for anyone that morning.

When Phase Three of the Palamino Estates in Carlisle came before council, there was great debate over lifting the hold zoning on the development. In the end, city water staff felt the water needs of Carlisle could be met, even with the addition of 24 more homes. I was less convinced and added an amendment that a water study be done up in Carlisle to address the residents' concerns.

Less than two weeks after, staff had to acknowledge we had a real problem up there. Part of that was the level of water consump-

Wednesday, August 7, 2002.

## WARD WATCH

Margaret McCarthy



tion. While the average Hamilton household uses 1.3 cubic meters of water per day, Carlisle residents were averaging closer to four cubic meters. The lawns in Carlisle are not the tiny, postage-stamp-sized front lawns you see in Hamilton. They also pay a great deal more in taxes than the 'average Hamilton household' and as most homeowners believe,

your tax dollars should count for something.

The water crisis in Carlisle forced staff to look at the situation more carefully and quickly. Directly from Lou Di Gironimo, the city's director and water and wastewater, here are the potential solutions.

The first is the drawing of water from three wells, rather than two. At present the Carlisle water tower draws from four separate wells. However, under Ministry of Environment (MoE) dictates, it is only allowed to draw from two at a time. If one pumper goes down, the tower is only drawing from one well. If allowed to draw from three at once, the tower would never be at risk. Our water staff is pitching this idea to the MoE.

The second is the construction of a second water tower in Carlisle. A second tower is already on the city's construction projects books but it isn't slated to be built until 2011.

Our staff is looking to push that date forward. This will require MoE approval.

The third is using ultra-violet rays to treat the water, rather than chlorine. UV rays treat water much more quickly and the faster it's treated, the faster we can get it up into the tower. The city can implement this without provincial approval. It could be implemented by next summer.

The final solution is increasing the water taking permits for the Carlisle wells. Again, staff has to get approval for this measure from the MoE but staff is now conducting a ground water study for the entire city, including Carlisle, and at the end of the study, they will see if drilling additional wells is the answer.

MoE guidelines only allowed for certain amounts of water to be extracted from individual wells at once and pulling from a new well can be a feasible answer.

August 7<sup>th</sup>, 2002



# Adamant McCarthy defends actions

FRIDAY, SEPTEMBER 20, 2002 • FLAMBOROUGH REVIEW

By DIANNE CORNISH  
FLAMBOROUGH REVIEW

"I make no apologies for bringing this forward, or for the way I brought it forward," Flamborough/Ward 15 Councillor Margaret McCarthy said during a debate at last Wednesday's city council meeting about water woes in Carlisle and Freelton.

She remained unrepentant last Friday when she explained to the *Review* the sequence of events which got her into 'hot water' with some of her Hamilton-based council colleagues.

During a committee of the whole meeting last Tuesday, the Flamborough councillor successfully garnered support for an additional \$150,000 from council to pay for a \$200,000 study of water servicing capabilities in Carlisle and Freelton (see story at left).

But Mrs. McCarthy said the agreement of fellow councillors didn't come easily, even though residents from both Flamborough hamlets have been struggling with low water pressure, and sometimes no water at all, during the past few weeks.

At Wednesday night's council meeting, she brought forward a request for \$3 million from the Hamilton Trust Fund, created out of money from Hamilton Hydro, to build a second water tower in Carlisle and address Freelton's water supply prob-

lems. The move, seen as a 'last minute, knee-jerk' reaction by some councillors, wasn't welcomed by the majority of council who soundly defeated her proposal.

Several councillors, including Bernie Morelli, Sam Merulla, Marv Caplan and Frank D'Amico, openly chastised Mrs.



Councillor M. McCarthy

McCarthy for a press release that was issued before Wednesday's council meeting in which the Flamborough councillor accused her Hamilton counterparts of showing "callous disregard" for residents of her ward.

During Friday's interview, Mrs. McCarthy explained she wanted to secure the additional money for the Carlisle and Freelton water servicing studies before presenting her request for money from the Hydro fund.

Knowing the distribution of Hydro fund money - as well as funds required for the water servicing

studies - needed final approval at Wednesday's televised city council meeting, she decided extra "public awareness" of water woes in Flamborough was warranted.

She presented her motion for \$3 million from the trust fund at the council meeting, causing considerable surprise and consternation.

Mrs. McCarthy and Beverly/Ward 14 Councillor Dave Braden were the only councillors to vote against the recommended distribution of monies from the trust fund.

"In my view, this project (to address water problems in Carlisle and Freelton) should be a number one priority," Mrs. McCarthy said.

She was critical of city staff for constant assurances that water supplies in Carlisle are adequate to meet the hamlet's needs. Even so, residents of the community have had to cope without water for six days this year, a city official told council last week.

Mrs. McCarthy insists water problems deserve immediate attention. Carlisle and Freelton residents have a right to expect an uninterrupted supply of safe, clean water, she argues.

"If this (water stoppages) had happened in your ward, you would be standing on the table screaming blue murder," she told fellow councillors at Wednesday's council meeting.

# McCarthy's charge of "callous disregard" infuriates colleagues

By KEVIN WERNER  
SPECIAL TO THE REVIEW

Flamborough councillor Margaret McCarthy created a firestorm of controversy among her council colleagues last week when she implied in a news release Hamilton councillors were "callous" about her constituents' needs for water.

She also demanded the city take \$3 million from the Hamilton Trust Fund, created out of money from Hamilton Hydro, and provide her residents with the "basic need" of safe, reliable water.

"I was shocked by (the news release)," said Hamilton councillor Sam Merulla. "It was unprofessional, inappropriate."

"This is politics of the worst kind," added Hamilton mountain councillor Frank D'Amico. "It is not fair. I think it is politically motivated. I hope she will apologize."

Hamilton councillor Bernie Morelli, who has recently banged heads against Mrs. McCarthy over a local rezoning issue in his downtown ward, called the news release "very self-serving."

Earlier in the day councillors had increased the amount of money that had been recommended - from \$50,000 to \$200,000 - to help pay for a city study of the water problems facing Carlisle and Freelton. The study is expected to take about six months and be ready by spring 2003.

It will focus on analyzing whether or not the underground aquifer can support local water needs and whether or not the existing wells have enough pumping capacity.

Freelton residents have experienced about four days without water, while Carlisle residents have had no water for six days during the summer. A water ban has been in

effect off and on throughout the summer in the two towns, said Peter Crockett, the general manager of Transportation, Operations and Environment.

Part of the problem of the water shortage, said Mr. Crockett - which residents also experienced last year - is that the households in Carlisle use three to four times the amount of water than do their urban counterparts.

But after the hearing subcommittee meeting, both Flamborough councillors Dave Braden and Mrs. McCarthy didn't feel their colleagues were fully supportive of their efforts to provide water to their constituents. Before the September 11 council meeting, Mrs. McCarthy issued a news release that characterized Hamilton councillors as having "callous disregard" for her residents' needs for safe, drinkable water.

Mrs. McCarthy dismissed any notion that she was putting the pressure on her colleagues or trying to embarrass them during a televised council meeting. Instead her reasons were more basic: her constituents' taps are dry.

"Nothing is more important than water," she said. "Walkerton has proven that. This is the second year (they have) run into this extreme problem. This should be (council's) number one priority."

She asked that councillors vote to spend \$3 million in capital funding to improve the underground

water system in Freelton and Carlisle.

As to accusations that she was "grandstanding" or trying to make her colleagues look bad, she said if the Hamilton councillors had similar problems within their wards, "they would be screaming blue murder".

"Freelton is out of water. That's extra-ordinary. It speaks of huge dollars."

Councillors rejected her request, saying they didn't know what the money would be used for, nor did staff have a plan on how to use the money.

"There was a proper process in place (to request the funding)," said Hamilton councillor Andrea Horwath. "A knee-jerk reaction is not (the appropriate way) to do it."

Stoney Creek councillor Larry Di Ianni agreed, saying there was a proper process to follow to acquire the funds.

"The funds need to be used judiciously," he said.

Only Stoney Creek councillor Anne Bain provided any sympathy to Mrs. McCarthy's dilemma.

"I don't think Margaret McCarthy is playing politics. I can't believe these people should be without water. How can you live without water?"

In a show of force, councillors demanded a recorded vote to show the public they were in support of providing the \$200,000 for a water study. Only Hamilton councillor Marvin Caplan opposed the motion.

September 20, 2002

# Water shortages continue to haunt the supercity in Freelton and Carlisle

By DIANNE CORNISH  
FLAMBOROUGH REVIEW

As Hamilton city council prepares to embark on a study to address water supply demands in Carlisle – with one of the options to be reviewed being the construction of a new water tower in the hamlet – there appears to be a similar need for upgrades to the Freelton water system.

While early suspicions centred around a possible leak in the Freelton water tower as being the source of recent water supply problems, testing by city crews has found nothing to substantiate that possibility, Lou DiGironimo, director of Hamilton water and wastewater division, told the *Review* Tuesday.

Testing for a possible leak is nearing completion, but it now appears that need to temporarily shut down Freelton's only groundwater well because of re-occurring turbidity spikes in recent weeks is the primary cause of water shortages in the hamlet.

The issues in Carlisle are different, DiGironimo explained. There, even though groundwater continues to be pumped through the system from different wells, "very heavy consumption" has significantly depleted water in the elevated storage tank. As a result, residents experienced a significant drop in water pressure, particularly over the past weekend.

Residents in both Flamborough communities were

the ban is in effect.

While Flamborough/Ward 15 Councillor Marg McCarthy said a flurry of calls to her. Waterdown home, city hall office and the city's call centre reported there was no water in Carlisle or Freelton last Sunday, Mr. DiGironimo had a different perception.

Water pressure was so low in Carlisle that it might



*"I want some assurances there is an appropriate level of service in Carlisle."*

**Councillor Marg McCarthy**

have prompted residents to complain of no water, he suggested.

As for Freelton, there was indeed a temporary water stoppage about 9 p.m. Sunday night when the community's only well was shut down because of a turbidity spike. The pump was reactivated after a few hours, but to ensure potable water needs in the community were met, a water tanker was dispatched to the Freelton fire station about 10:30 p.m., the city official said.

Turbidity, which causes the water to look cloudy, is often the result of water being drawn from a low-level well. Ministry of Environment (MOE) regulations call for a shutdown of the system when turbidity levels get too high.

Over the past two weeks,

bans remained. Reservoirs in Carlisle and Freelton were in the process of being refilled and there were predictions that the hot weather would break easing stress on the system with cooler temperatures and a possible rainfall.

At a hearings sub-committee meeting Wednesday, city council endorsed the acceleration of a water-serv-

icing study for Carlisle. The study, which was to take place next year, will begin immediately, as recommended by city staff.

The move is being taken to address water needs of the community. The study will encompass short-term and long-term drinking water servicing options.

Among long-term solutions to be examined are: constructing a new water tower to augment of the existing tower; expanding the current tower's water capacity; decommissioning the Carlisle wells and connecting the distribution system to the Woodward Water Treatment Plant in Hamilton via Waterdown; drilling a new well and associated distribution system; expanding the existing pumping capacity by increasing the flows

actions. According to the staff report prepared for council's consideration, the Carlisle water system has the capacity to meet consumer demands, but is hampered from doing so because of two restraints.

The volume of water being drawn from the wells is limited because of Ontario Drinking Water Standards which govern the disinfection system used in Carlisle. The system is chlorine-based and some of wells don't meet the required chlorine contact time required by the regulations. As a result, production from the wells is reduced to about 66 per cent of full capacity.

The second restraint relates to weather conditions, specifically extended periods of dry weather as has been the case this summer.

"During drought-like conditions, the recharging ability of the aquifer is impacted as the water wells are rapidly drawn down to supply peak demands," the staff report says.

To further aggravate the situation, "the Carlisle system has peak demands that typically reach levels close to four times that of average day design guidelines," the report also notes.

The total volume of water drawn from Carlisle's wells is also limited by Permits to Take Water (PTTW) issued by the MOE. The system has a total cumulative flow rate of 1,700 L/min but the Carlisle Certificate of Approval for taking water doesn't permit the system to

disinfection system with an ultra-violet system at a cost of \$200,000. Money for the work is included in the approved 2002 rate capital budget.

In addition, staff is studying the option of increasing PTTWs with the MOE.

Funding for the early start-up of the Carlisle water servicing study, estimated to cost \$100,000, will come from reserves in the capital budget and through the transfer of \$50,000 from monies set aside for a Greenville water servicing study which was to begin this year. The Greenville study will be re-scheduled and presented to council for approval as part of next year's rate capital budget.

Mr. DiGironimo said the delay in the Greenville study is necessary in order to secure funds which will help find a solution to the "larger pressures" in the Carlisle system.

Councillor McCarthy, who continues to hold doubts that the Carlisle water system is sufficient to meet homeowners' needs, prompted the recent staff report. "I want some assurances there is an appropriate level of service in Carlisle," she said this week.

At the Wednesday committee meeting, Councillor McCarthy was able to convince her council colleagues to authorize a \$200,000 water servicing study for Freelton.





## ***Councillor McCarthy's Public Meeting on the St. Mary's Quarry Proposal – Conclusion***

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**The mitigation system that is being proposed for the quarry is a system to re-circulate water. This system being proposed by the applicant (St. Mary's) is NEW AND UNTESTED. It is just a theory. This type of system has never been used on FRACTURED BEDROCK and there is no data to indicate whether or not it could ever be successful in fractured bedrock.**