

# **ZONE OF INFLUENCE**

**CONCERNS OVER EFFECTS OF A BURIED  
OR POLED wpd HIGH TENSION POWER  
TRANSMISSION CORRIDOR AND LINES**

**ZONE OF INFLUENCE**  
**745 Crowes Road**  
**Millfalls B&B and CUE Fine Art Gallery**  
**[www.millfalls.ca](http://www.millfalls.ca)**

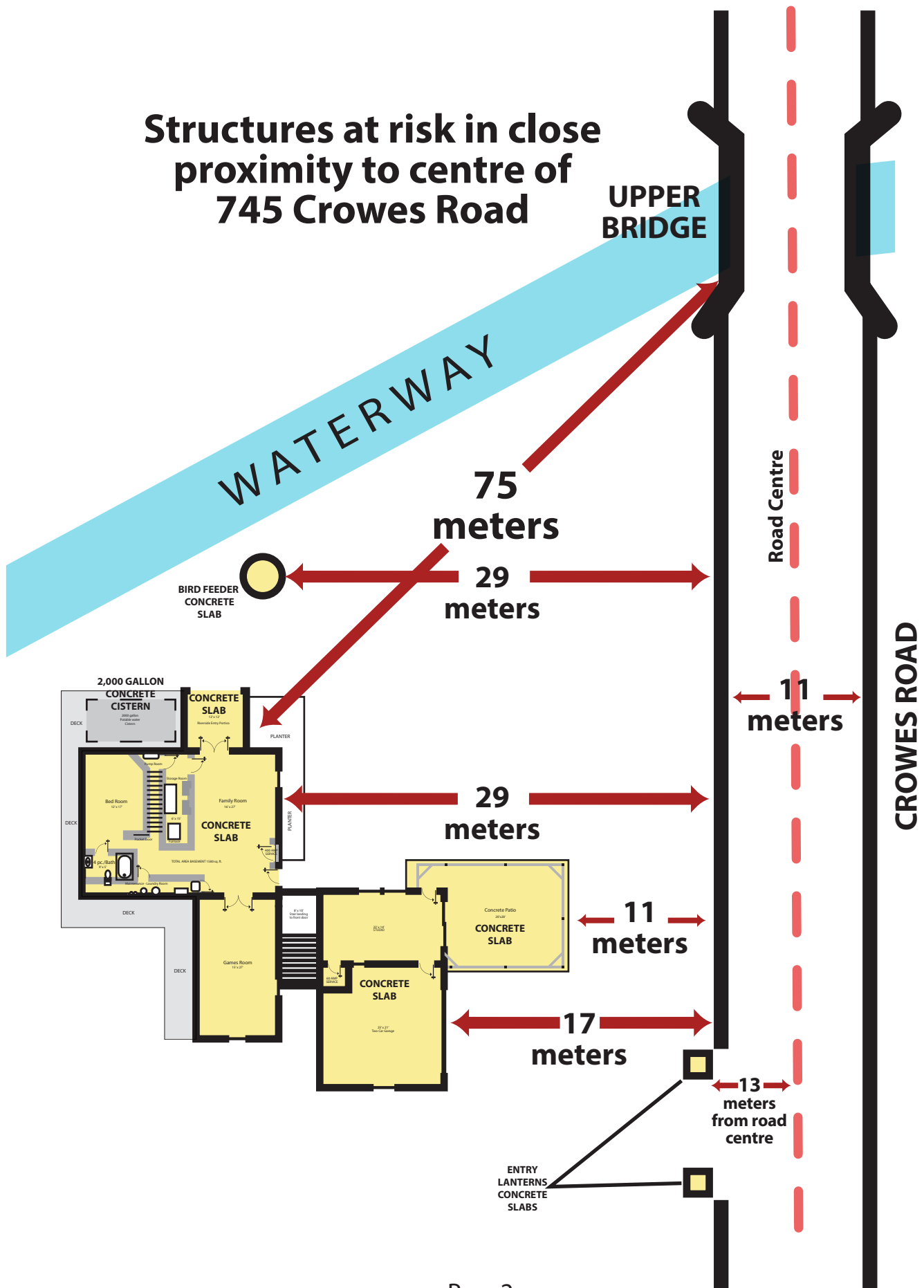


**VIEW OF MILLFALLS B. and CUE GALLERY CROWES ROAD LOOKING NORTH**



**VIEW OF MILLFALLS B&B and CUE GALLERY CROWES ROAD LOOKING EAST**

# Structures at risk in close proximity to centre of 745 Crowes Road



## POSSIBLE STRUCTURES AT RISK

The house, garage are built on bedrock with concrete block knee walls of 4 feet high. The floors of the garage, house basement and studio patio are all concrete slab. The bird feeder and property entrance lantern towers are also on slabs and built of concrete blocks and well tile veneered in fieldstone with rubble and 3/4 inch crushed stone. There is a concern that vibrations caused by wpd Canada's line construct will lead to cracks which will need to be addressed by that company should it happen. At this time, wpd has not been in touch with any homes or business along the route with a mitigation program or insurance plan. At this point there is no guaranty any damages will be fully paid for should wpd transmission line construction cause damage.

## VIBRATION BYLAW

Canada:

The province of Ontario, under the Ontario Building Code, addresses construction vibration via the following sentence: "Every excavation shall be undertaken in such a manner as to prevent movement which would cause damage to adjacent property, existing structures, utilities, roads and sidewalks at all phases of construction." There are no fixed limits that are required to be met.





# CONCERN OVER PLACEMENT OF HIGH TENSION TRANSMISSION LINES IN CONDUITS ON BRIDGES Raises Quality and Reliability of Power Questions

The surface areas on which these conduits MAY pass over is very minimal as seen in the images fig: A and fig: B. While wpd. If those pipes housing high tension wires breached due to a vehicular accident (As has happened on the HWY 17 Milford bridge one winter) we could have interruption of power and perhaps a death. Also as people clime all over the brides and most likely will walk on the conduits a disaster could happen.

Fig: A  
West side



Fig: B  
East side



Children and people use these small brides at 745 and below at the junction of Crowes and Scott's Mill Roads.





# CONCERN OVER PLACEMENT OF HIGH TENSION TRANSMISSION LINES I N CONDUITS ON BRIDGES Raises Quality and Reliability of Power Questions

The lower bridge is constructed of wire mesh filled with stones and children and families come to fish and enjoy the view of the big pond.





# TOURIST ACTIVITY SAFETY WITHIN THE ZONE OF INFLUENCE

## TOURIST ACTIVITY INTERRUPTION

2013 saw over 1,700 visitors to the upper bridge at 745 Crowes road. Many of the visitors climbed around and off the bridge into the river bed. This activity has taken place well before living memory and will most likely continue. Our concern is that conduits with high power transmission lines placed on this bridge and the lower bridge will present a danger to the public. This year just under 300 people have come to the falls at the 745 Crowes Road bridge since mid march. Those are only those that were seen. Many have come. Construction will take over and safety issues will prevent tourist from enjoying the falls. Should poles go up the esthetic of this historical spot will be ruined.

## SAMPLE OF VISITORS



# HEALTH EFFECTED WITHIN 50 METERS OF TRANSMISSION LINES

The effect of EMF within 50 meters will have on humans if poles are erected and MF if lines are buried.

§ According to research and publications put out by the World Health Organization(WHO), EMF such as those from power lines, can also cause:

§ Short term Health Problem

1. Headaches.
2. Fatigue
3. Anxiety
4. Insomnia
5. Prickling and/or burning skin
6. Rashes
7. Muscle pain

§ Long term Health Problem:

§ Following serious health Problems may be arise due to EMF effects on human Body.

(1) Risk of damaging DNA.

§ Our body acts like an energy wave broadcaster and receiver, incorporating and responding to EMFs. In fact, scientific research has demonstrated that every cell in your body may have its own EMF, helping to regulate important functions and keep you healthy.

§ Strong, artificial EMFs like those from power lines can scramble and interfere with your body's natural EMF, harming everything from your sleep cycles and stress levels to your immune response and DNA!

(2) Risk of Cancer

§ After hundreds of international studies, the evidence linking EMFs to cancers and other health problems is loud and clear. High Voltage power lines are the most obvious and dangerous culprits, but the same EMFs exist in gradually decreasing levels all along the grid, from substations to transformers to homes.

(3) Risk of Leukemia:

§ Researchers found that children living within 650 feet of power lines had a 70% greater risk for leukemia than children living 2,000 feet away or more.(As per British Medical Journal, June, 2005).

(4) Risk of Neurodegenerative disease:

§ "Several studies have identified occupational exposure to extremely low-frequency electromagnetic fields (EMF) as a potential risk factor for neuro degenerative disease."(As per Epidemiology, 2003 Jul; 14(4):413-9).

HEALTH EFFECTED WITHIN 50 METERS OF TRANSMISSION LINES





2847 County Road 10  
5.3 meters from house



2843 County Road 10  
27.4 meters from house



745 Crowes Road  
17 meters from studio



606 Crowes Road  
16 meters from house



316 Crowes Road  
20.3 meters from house



274 Crowes Road  
24.6 meters from house



252 Crowes Road  
15.5 meters from house



155 Crowes Road  
30.7 meters from house



All of these homes are too close to the proposed transmission line and may suffer Health issues, certainly their surroundings will be marred if poles go in.

THE MAJORITY OF CROWES ROAD IS ON A LIMESTONE BED WITH A SHALE COVERING BLUESTONE AND WILL BE EXTREMELY EXPENSIVE TO DIG TRENCHES FOR POWER LINES> THE NATURAL FLOW OF GROUND WATER WILL BR DISRUPTED FROM IT"S EAST TO WEST FLOW WHILE THE POWER TRENCH WILL BE FROM SOUTH TO NORTH. WELLS ON THE WEST SIDE OF CROWS ROAD MAY BE EFFECTED. THESE WELL TRADITIONAL DRY UP SEVERAL TIME A SUMMER AND ANY DISRUPTION IN FLOW WILL CAUSE A HARDSHIP TO HOME OWNERS.



CONCERNS THAT MAY LIE OUTSIDE THE SCOPE OF THE OEB VOICED HERE COULD BE THE FRAGILE OLD MILL THAT IS PIECE OF SOUTH MARYSBURGH HERITAGE THAT SITS A MEAT 8 METERS FROM THE PROPOSED TRENCH AND WILL MOST CERTAINLY SUFFER DAMAGE WITH ANY VIBRATION CAUSED FROM TRENCHING.