

# Trail Health & Environment Committee



## MINUTES

**Meeting: Tuesday, September 10, 2013  
City of Trail – Committee Room #2  
7:00 pm**

### **Committee Members in Attendance:**

Gord DeRosa, Alternate Chair, City of Trail  
Mark Tinholt, Teck Trail Operations  
Jeannine Stefani, Interior Health Authority  
Marylynn Rakuson, Community Representative

John Crozier, Councillor, Village of Warfield  
Brad McCandlish, BC Ministry of Environment  
Ron Joseph, Community Representative

### **Others in Attendance:**

Bruce Enns, SNC-Lavalin  
Cindy Hall, SNC-Lavalin  
Ruth Beck, Program Manager  
Dave DeRosa, Teck Trail Operations

Richard Deane, Teck Trail Operations  
Andrea McCormick, SNC-Lavalin  
Liz Anderson, Program Administrator

**MEETING MINUTES:** Minutes from June 25, 2013 pulled from agenda as incorrect draft was included.  
Approval of June 25, 2013 minutes deferred until November 19, 2013 meeting.

### **REPORTS & RECOMMENDATIONS:**

#### ***Presentation: Teck Trail's Greening Program; slideshow presented***

Dave DeRosa gave a PowerPoint presentation on Teck's Greening Program. He highlighted the three components of the program: Buffer Greening, On-site Greening, and THEP Greening. Dave explained that the goals of the program are to cover bare soil, prevent erosion with slope protection, keep dust down, improve aesthetics and, as a natural consequence, improve biodiversity. Some discussion was held about the West Trail Approach. Dave explained the improvements intended for the approach and mentioned using new vegetation. This led to some discussion around sustainable vegetation and minimizing the need for water using indigenous plants and grasses.

A number of suggestions and comments were made by THEC members. This included:

- a suggestion about providing conifer tree plugs to volunteers with the Rotary planting project;
- a suggestion/question about contacting the Fish and Game Club;
- a suggestion about replanting any appropriate plants that might be left over from Communities in Bloom.

Marylynn asked about a particular location in Warfield that could qualify for the Greening Program.

**ACTION:** Dave will look into it.

Ron Joseph asked about an area in East Trail along the river and offered some help. **ACTION:** Ron will send his information to Dave via Mark Tinholt.

Dave mentioned that any further questions or comments related to the Greening Program could be directed to him through Mark Tinholt.

#### ***Air Quality:***

##### ***Air Quality Technical Working Group – Ron Joseph; report attached***

Ron gave an overview of the first meeting. The Working Group will hold its next meeting in October. The draft Air Quality Technical Working Group Terms of Reference were brought forward for approval.

**MOTION:** Mark Tinholt: Moved: that the Terms of Reference be approved; Seconded: Jeannine Stefani; Carried.

#### ***Teck Air Quality Report – Mark Tinholt; report attached***

Mark Tinholt presented the second quarter levels for ambient lead and arsenic. Of note were the elevated results at Butler Park in August. A formal preventative action investigation has commenced. September readings are lower. Ruth mentioned the box plot on the distribution of lead levels included in the report has incorrect year references. **ACTION:** Mark will provide a corrected box plot to attach to these minutes.

Gord inquired about the new real time testing station; Mark replied that it is up and running. Mark continued the report, noting that arsenic levels have not increased and improvements to reduce arsenic levels appear to be on track.

John raised a question about contamination that might be present in the land that downtown Trail is built upon. Specifically, he wondered whether the land downtown Trail is built upon consists of contaminated slag. A comment was made about mercury in sewer lines. Brad commented that mercury would have accumulated at low points until it was flushed at record high water last year, but that mercury was most likely due to historical prospecting rather than smelter operations. Mark commented that there has been drilling performed in the downtown over the past year to assess groundwater. Results are not yet in. Mark further commented that there is no concern for human health and preliminary results from river sampling shows the river is healthy. Ammonia has also been looked into.

#### ***Family Health:***

##### ***IHA Report – Jeannine Stefani, report attached***

Jeannine gave an update on the forthcoming Blood Lead testing clinics as well as the Healthy Family visits she has conducted. Jeannine also announced that the Interior Health Public Health Rounds will be featuring THE Program on October 24. Members of THE Program Team will be available during the Public Health Rounds conference call to answer any questions that arise about the program. Ron asked if there is a website that lists the topics that will be featured on future Public Health Rounds calls and whether they are open to the public. **ACTION:** Jeannine will look into it.

Jeannine continued with an update on community education. John mentioned he had heard rumours about increased rates of MS and cancer in the Trail area and asked if there was a correlation between the smelter and rates of MS and cancer. Many members in attendance contributed to discussion and confirmed that there is no evidence of increased rates of either MS or cancer in the Trail area and that there are reports from that confirm this. John will inquire further in the community and try to discern where his sources were getting their information.

**ACTION:** Jeannine to find the specific documents showing no increased rates of MS and cancer in Trail and pass the info along to THEC.

#### ***Home & Garden:***

##### ***Community Program Office Report – SNC Lavalin, report attached***

Andrea reported on soil testing, specifically noting how the Healthy Families Healthy Homes (HFHH) program has influenced the amount and type of testing and remediation performed this year. Bruce and Mark asked that future reports break out testing and remediation performed for HFHH and distinguish between yard improvement work and full remediation. **ACTION:** Andrea/Cindy to follow this recommendation when they prepare future reports.

John inquired about the wooden sandbox project. Andrea replied that the sandboxes and cooperation with Trail Middle School has been great. However, it is a challenge to find functional and affordable lids to accompany the sandboxes. Richard mentioned he has an idea for Andrea and Cindy. Andrea mentioned that anyone wanting to see an example of the sandbox could find one in the window of the Interior Signs. **ACTION:** Richard to contact Andrea/Cindy.

Cindy reported on the Home Reno Support Program. A discussion was held about Radon Kits and source materials from building construction that could contribute to radon levels in the home (e.g. concrete, gravel). It was generally agreed that it is unlikely that you can receive a false positive from a

Radon Kit and that before construction begins on a foundation, the source of the gravel used should be tested for radioactivity. Gord asked if THEP receives the results of radon test kits, Cindy replied that the program does not receive results; the results go directly to the homeowner.

Cindy updated the progress of the Healthy Family Healthy Homes visits – they are on target.

Bruce reported on the long term study (LTS) and the grass clippings study. The LTS is assessing whether, and to what degree, remediated soil re-contaminates. The study is starting to yield some preliminary results but they are still being interpreted and aren't ready to be reported. The grass clippings study concluded that the best practice is to keep grass clippings out of the compost as well as the regional landfill, and instead to leave grass clippings on the lawn (which mulches grass clippings back into the yard). The grass clippings study results are reported in the THEP Fall Newsletter.

Andrea reported on the Roof-dust Pilot Project. So far, the lessons learned include the importance of working with the home owners and educating them on the importance of preventative actions before, during, and after the roof is removed and replaced. Utilization of the dust reduction and cleaning practices and supplies/equipment provided by the Home Reno Support Program (HRSP) proved quite effective at keeping dust out of the living space. Future work to support lead-safe roofing projects includes creation of a Best Practices guide to share with both the home owners and contractors as well as promoting the benefits of the HRSP.

#### ***Program Planning & Operations:***

##### ***Program Plan Working Group Report – Mark Tinholt, Ruth Beck***

Mark mentioned the next program plan working group meeting is on September 26.

##### ***Executive Committee Report – Ruth Beck***

Ruth provided an update re. referencing the Public Health Act in the Program Plan. Given that the main rationale relates to strengthening Interior Health's commitment to THE Program, Dr. Larder has proposed a more direct and simple approach of talking with the appropriate IH leaders to discuss the health authority's support for THE. These conversations are in process. We will keep the THEC posted when we have an update on this.

Ruth reported on the second phase of the literature review which focuses on early childhood development. A draft of the lit review is ready for the THEP Reviewers Group. Once the lit review is finalized, two members of the research team from the Human Early Learning Partnership at UBC will come to Trail to meet with THEC and FAN to discuss what the literature says about effective programs and initiatives to enhance early childhood development outcomes. THEC members will be included in a Doodle meeting poll to figure out the best date for this meeting, which may take place as soon as November.

Ruth noted that the Executive has proposed that the name of THE Committee change to Trail Area Health & Environment Committee, though the acronym would remain THEC.

**MOTION:** Mark Tinholt: Moved: that the committee name be changed to include "Area" so that it is now Trail Area Health & Environment Committee; Marylynn Rakuson: Seconded. John Crozier opposed; Carried.

##### ***Program Manager's Report – Ruth Beck, report attached***

The Fall Newsletter is being more widely promoted through personally addressed envelopes to families with young children, delivery by Canada Post on a day that doesn't compete with other unaddressed mail/fliers, stacks of newsletters being placed in strategic locations around Trail, and finally Catherine Adair is sending out a memo to Teck employees. Marylynn complemented the layout and design of the newsletter as "quite eye-catching", Brad agreed.

John mentioned he hasn't heard any radio ads; others mentioned that they had heard the ads. Jeannine gave details on the ads and noted that she has a list of when the ads are to air.

**NEXT MEETING:** Tuesday, November 19, 2013

Meeting adjourned at 9:20pm.

## Teck Trail's Greening Program

*THEP Presentation 2013*



### Greening Program Categories/Definitions

1. **Buffer Greening**—*planting perimeter of Industrial Site*
2. **On Site Greening**—*planting slopes and bare ground on site with Property Services.*
3. **Trail Health and Environment Program (THEP) Greening**—*greening in the community with City of Trail involvement.*

### Overall Greening Program Objectives

1. ***Cover bare soil and reduce re-suspension of dust***
2. ***Create sustainable projects that do not require on-going maintenance support***
3. ***Provide erosion control***
4. ***Provide biodiversity opportunities***
5. ***Provide aesthetic improvements***

### Community Consultation and Project Ranking Process

(Buffer and THEP programs only)

- **Consultation**—City of Trail, Communities in Bloom Committee, Tadanac Residents Assn.
- **Ranking Process**—subjectively assessed on the following values:
  - Dust Control
  - Sustainability
  - Aesthetics
  - Erosion Control
  - Biodiversity

## Prioritized List of Projects, 2013

Prioritized List of Greening Projects, 2013							
High Community/Greening Potential	Date Created	Sustainability	Aesthetics	Erosion Control	Biodiversity	Total Score	
West Trail--Stony Creek bank--Wetland	9	7	10	7	2	40	
West Trail--Stony Creek bank--Wetland	9	6	10	6	0	34	
West Trail--Riverbank along Hwy 97	7	6	10	7	9	39	
West Trail--Riverbank along Hwy 97	9	7	9	7	2	39	
West Trail--Riverbank along Hwy 97	8	7	9	7	2	38	
<b>Subtotal: 100</b>							
Medium Community/Greening Potential							
Date Created	Sustainability	Aesthetics	Erosion Control	Biodiversity	Total Score		
West Trail--Highway Approach	9	7	10	8	6	40	
West Trail--West Bank stabilization and vegetation	7	9	10	6	1	34	
West Trail--West Bank stabilization and vegetation	8	7	10	6	1	34	
West Trail--West Bank stabilization and vegetation	5	7	10	6	5	33	
West Trail--West Bank stabilization and vegetation	9	8	10	2	4	33	
West Trail--West Bank stabilization and vegetation	7	8	10	1	4	32	
West Trail--West Bank stabilization and vegetation	9	7	6	8	1	29	
West Trail--West Bank stabilization and vegetation	9	5	4	9	0	27	
West Trail--West Bank stabilization and vegetation	8	5	4	9	1	27	
West Trail--West Bank stabilization and vegetation	4	5	8	1	4	26	
<b>Subtotal: 100</b>							
Low Community/Greening Potential							
Date Created	Sustainability	Aesthetics	Erosion Control	Biodiversity	Total Score		
West Trail--Highway Approach	9	7	10	8	6	40	
Rocky Creek--No.4 Furnace tree removal/replacement	7	7	9	8	8	39	
Rocky Creek bank--downstream of Hwy 97	8	6	9	8	8	39	
Rocky Creek bank--downstream of Hwy 97	9	7	10	7	5	37	
Rocky Creek bank--downstream of Hwy 97	8	7	9	6	2	37	
Rocky Creek bank--downstream of Hwy 97	7	7	9	5	8	36	
Rocky Creek bank--downstream of Hwy 97	9	7	10	6	5	36	
Tadanac Soccer Field--South End	5	7	7	4	7	30	
Tadanac Soccer Field--South End	8	6	8	4	1	27	
Tadanac Soccer Field--South End	2	7	5	3	6	27	
Tadanac Highway Sign--Highway Winter Maintenance	1	6	9	3	0	19	
Tadanac Highway Sign--Highway Winter Maintenance	1	4	9	3	1	18	
Tadanac Park Sign--Policemen's Corner	0	5	8	3	1	16	
General Visual Corridor--Dead Tree removal	0	5	8	1	0	14	
<b>Subtotal: 100</b>							
<b>Deficiencies:</b>	<b>Cost:</b>	low (\$50,000) Med (\$100,000-\$200,000) High (\$200,000+)					
	<b>Location:</b>	Easy short distance. Limited equipment required. Med: increased effort all categories. High: lots to consider in each category.					
	<b>Environment:</b>	The above table lists projects that are currently under consideration and have been overruled (Med > Low). Med > High					

## 1. Teck Buffer Greening Program

- **Main objective** of suppressing dust through the greening of dirt covered areas and reducing the availability of soil contaminants to be transported within the Community.
- **Secondary objective** is to provide aesthetic appeal and biodiversity enhancements through green structure, in the form of trees or shrubs, on any landscape.

## Buffer Greening Project List

- \*West Trail--Highway Approach
- \*Teck Arena Hillside--No.4 Furnace tree removal/replace
- \*Stoney Creek bank--Downstream of Highway
- (1)Teck Entrance--Contractors Fencline North
- \*Tadanac Entrance Greening, both sides
- (2)Teck Riverbank--Evergreen clump-planting
- (3)Teck Entrance--South Fencline
- (4)Tadanac Soccer Field--South End
- (5)Tadanac--Grassy South Slope entering Community
- (6)Tadanac Park Sign--Shrub Planting
- (7)Tadanac Highway Sign--Highway Winter Maintenance
- \*Trail/Rossland Intersection--Evergreen Focal Garden
- (8)Tadanac Shrub Maintenance--Policemen's Corner
- (9)General Visual Corridor--Dead Tree removal

2013 Project slated for October planting...

### Greening Project Proposal #1: Contractors Fencline North

**Project Objective:** To provide buffer greening and ground cover by planting conifer trees along highway side of Contractor's parking lot, option to interspace with deciduous trees for colour contrast.

**Project General Managers:** David DeRosa, Teck, Teck Property Services, Ministry of Transport

#### Existing Resources:

Sprinkler system on fence line; conifer and deciduous trees available from both Teck and private supplier; biosolid supply for soil supplementation.

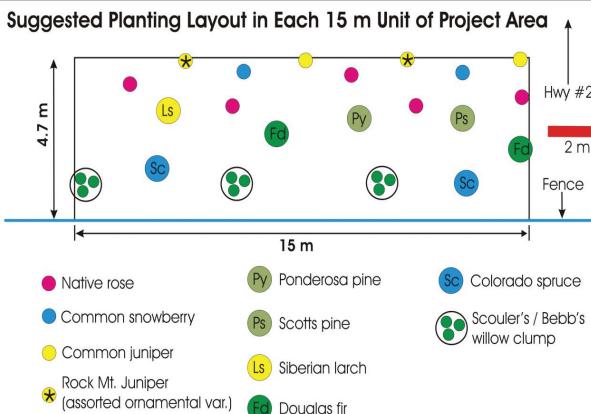
#### Constraints:

Unknown limitations on current sprinkler system; unknown location of any underground features; potential conflict with any future parking lot development; MOT right of way concerns.

#### Summary of Greening Objectives:

Dust Control	Larger trees will help trap airborne dust off highway	
Sustainability	Sprinkling infrastructure already in place, tree cover will be low maintenance.	
Aesthetics	Greenspace, especially with deciduous contrast, will greatly enhance the view from the highway.	
Erosion Control	Site is generally flat however some erosion locations where water runs off highway. Not a significant concern at this site.	
Biodiversity	Not a main objective but vertical tree structure would create habitat	
<b>Conceptual Budget:</b>		
Task	Materials/Supplies	Time/Labour
Sprinkler Upgrades	\$1,000	\$1,500
Project Management		\$2,000
Tree Planting	\$5,000	\$25,000
Total Cost		\$34,500





## 2. On-Site Greening Program

**Defined** as projects implemented “inside the fence”. Driven by prioritized requests from Teck’s Property Services representative.

- **Main objective** is dust and erosion control
- **Secondary Objective** is aesthetics and is only considered when the site is visible from the community.
- **Tertiary Objective** is biodiversity and is not generally considered but does get created by the addition of any green structure.

## On-Site Project Locations

(Locations provided by Property Services)

- \***Stoney Creek Laydown Area--greening enhancement**
- ART--North West Bank stabilization and re-vegetation
- ART--South West Bank stabilization and re-vegetation
- Maple Road Entrance--dead/disease tree replacement
- Recycling Building Project--buffer tree replacement
- Lead North Change Room--parking lot tree replacement
- Teck Haul Road--West Bank greening enhancement
- Lead Stack--Log Retaining Wall repair
- Teck Haul Road--conifer infill by switchback
- Water Treatment Plant Buffer--tree infilling



### 3. THEP Greening Program

- **Main objective** of suppressing dust through the greening of dirt covered areas and reducing the availability of soil contaminants to be transported within the Community.
- **Secondary objective** is to provide aesthetic appeal and biodiversity enhancements through green structure, in the form of trees or shrubs, on any landscape.

### THEP Project Sites (City of Trail)

- E. Trail--Shavers Bench along S-Hill road
- \*West Trail--Highway Approach
- E. Trail--Riverbank both sides of Old Bridge
- E. Trail--Shavers Bench below Townhouses
- E. Trail--Shavers Bench at Stewart Street

\*deferred

### THEP Proposed Project Sites



### Current Progress

#### Teck JLC Support 2013

- **JLCrowe Tall Rooted Spikes**- \$1,400 for student/teacher training and plant purchase.
- **JLCrowe Greenhouse**- \$3,000 support for greenhouse purchase.
- **JLCrowe Seed Collection**- \$1,500 support for student/teacher training and collection of natural shrub seed for 2014 planting.

#### THEC Program 2013

- **Proposal**--City of Trail and Contractor putting together multi-year proposal for Shaver's Bench infill planting;
- **Planting**-- to occur in October when stock going dormant

**JL Crowe School Bank to Highway**

- 30 Cottonwood and Willows planted
- 75 more in Community Garden for Fall



Then end...

Questions or comments?

**Trail Health & Environment Committee**  
**Air Quality Technical Working Group**  
**Terms of Reference**

**Background and Objective:**

The Air Quality Technical Working Group provides a forum to discuss Air Quality Program priorities and concerns in detail in a dedicated setting separate from the regular THEC meetings. The Working Group will report back to the THEC.

**Working Group Composition, Roles and Responsibilities:**

Currently the attendees are identified as:

- Ron Joseph (THEC Community Member, Chair)
- Mark Tinholt Teck (THEC Teck Member, Secretary)
- Graham Kenyon (THEC Community Member)
- Brad McCandlish (THEC MoE Member)
- Gord DeRosa (THEC City of Trail Member)
- Richard Deane (Teck invitee)
- Bill Jankola (Teck invitee; to provide Teck materials as needed to support discussions)
- Peter Golden (Teck invitee; to provide Teck materials as needed to support discussions)
- Dieter Bogs (Optional attendee as THEC Chair)

**Minutes**

Minutes will not be detailed and will largely record action items to allow for open discussion on issues that may be sensitive.

**Meetings:**

The Working Group will meet regularly, generally every couple of months, in between the THEC meetings on an ongoing basis. Meetings will be held at Trail Operations during daytime hours and will have an approximate duration of 2-4 hrs.

**Deliverables:**

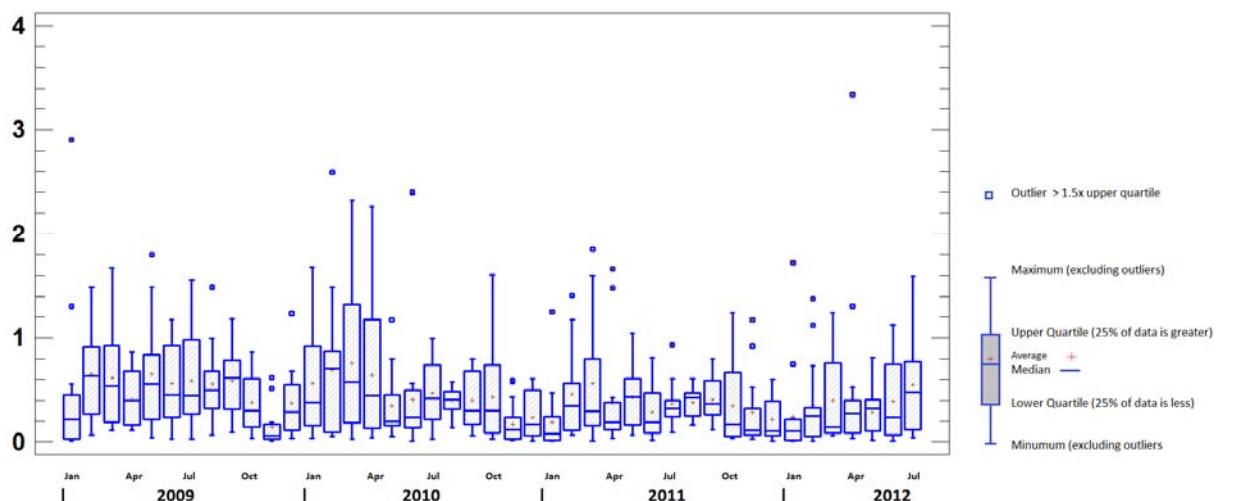
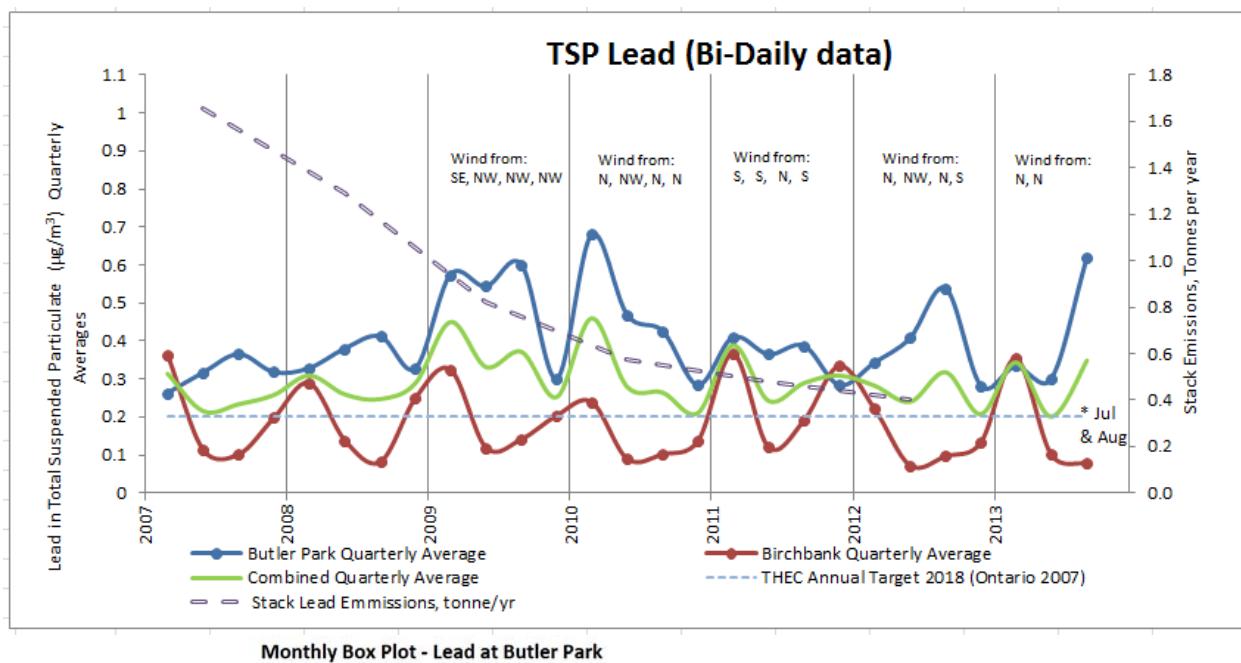
The Working Group is to provide update and recommendations reports to each regular THEC meeting, to be delivered by the Chair.

# Trail Health & Environment Committee – Teck Report Sept 10, 2013

## Air Quality Program

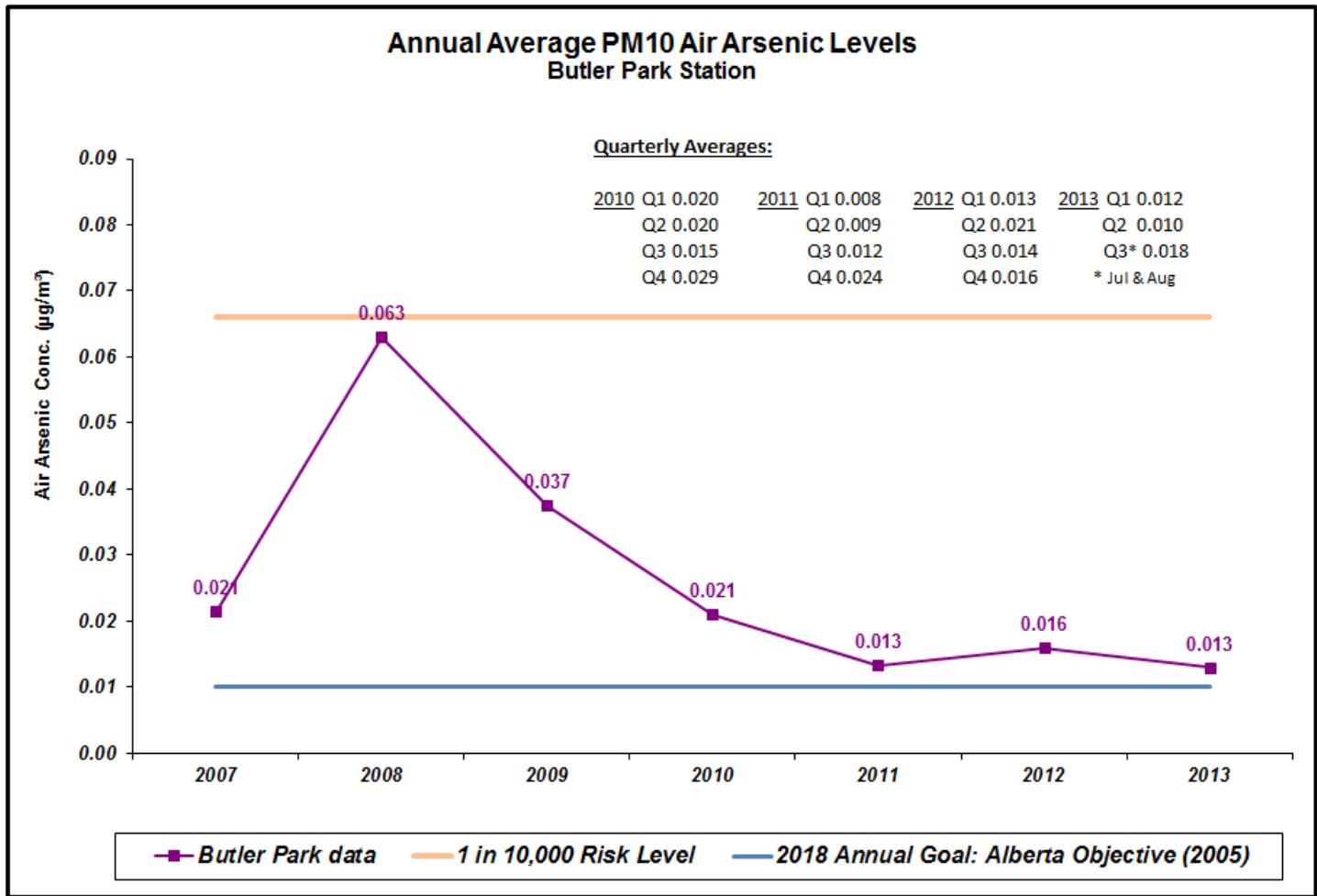
### Lead – Total Suspended Particulate:

- The first graph shows ambient (community) levels for the Butler Park and Birchbank monitoring stations based on quarterly averages of Bi-Daily data (rather than NAPS day -6 day- data), measured stack emissions (annual basis), as well as predominant wind direction (quarterly, as measured at Maintenance Services Building). The second Box-Plot graph for Butler Park is included to provide data transparency at the request of the technically savvy committee members.
- Quarterly averages for Lead in ambient air at Butler Park continue to follow a typical seasonal trend, with varying influences of predominant wind. The combined average is generally consistent with previous years, with some seasonal variation. The levels for July&August at Butler Park were elevated – an investigation into cause is ongoing.
- A second real-time XACT monitor is now operational at Duncan, located north of Metallurgical Operations. The XACT at Butler Park – located to the south – had been awaiting a replacement x-ray tube, it is being installed Sept 9.
- Measured stack emissions have continued to drop. The discrepancy in trends between stack emissions and measured TSP in air is believed to be sourced from fugitive dust.
- Trail smelter's releases of lead to air are still amongst lowest in industry.



## Arsenic– PM10:

- Arsenic in ambient (community) air had returned to pre-2004 levels in 2011. Improvements appear to be the results of actions taken at the Continuous Drossing Furnace and Refinery Scrubber Stack.
- 2012 annual average was  $0.016 \mu\text{g}/\text{m}^3$ , similar to 2011, as is 2013 year to date.
- Trail smelter's releases of arsenic to air are amongst lowest in industry.



# **Trail Health and Environment Committee**

## **IH Family Health Program Report**

**September 10, 2013**

### **1. Fall Blood Lead Clinic**

- Clinic dates are September 23, 24, 25, October 1, 2, 3.
- Clinic invite letters sent out 2 weeks ago with appointment date and time to 283 children
  - 178 children from Area 2 and 3 between 6 - 36 months
  - 56 children from Area 1 between 6 – 36 months
  - 49 remaining kids greater than 36 months parents requesting testing (34) and case management (15)
- Posters for clinic also put up around the area and at Doctors offices.

### **2. Healthy Family Visits**

- Offered to families whose children are under 1 year old.
- Also catching up on those children that were under 1 year old at the Fall 2012 clinic
- About 100 families on my list to offer Healthy Family visits
  - 34 visits done
  - 29 attempted to contact to arrange visit
  - 1 declined

### **3. Interior Health Public Health Rounds**

- On October 24<sup>th</sup>, to present with Team Leader Megan Klammer and other THE program staff of the Trail Area Health and Environment Program on an Interior Health wide Public Health rounds.

### **4. Community Education**

- Continuing to attend local Pregnancy Outreach Program (Building Beautiful Babies) once a month
- To contact prenatal instructor to ask to be a guest during prenatal classes

**Trail Health & Environment Committee**  
**Home & Garden Program Update**  
**September 10, 2013 7:00 – 9:00 p.m.**

**1. Soil Programs**

- a. **Soil assessment** - partial year results (Figures 1–3)
  - i. 83 Yards (58 with results & 25 pending)
    - 1. Healthy Family Healthy Homes – 66 (43 w. results)
    - 2. General yard – 17 (15 w. results)
  - ii. 44 Vegetable gardens (25 with results & 19 pending)
- b. **Remediation and Yard Improvement Work** (Figure 4)
  - i. 22 Yards
    - 1. Yard Improvement Work - 16
      - i. Case Management – 3
      - ii. Healthy Families Healthy Homes - 13
    - 2. Partial yard remediation - 4
    - 3. Full yard remediation - 2
  - ii. 8 Garden Remediation

**2. Home Renovation Support and Radon kits – see Figure 5**

- a. Total number of requests for Home Renovation Support to date this year is 46. This compares with 38 by August 31, 2012. 10 requests are new since June 25. Note: Client re-orders of home reno supplies aren't formally tracked, but in the last two months we've had 10 re-orders.
- b. Radon kits – 7 kits handed out since June 25. Many of these were offered as part of the Healthy Homes visit.

**3. Healthy Home Visits**

- a. 70 families visited since April launch including 45 visits since June 25.
- b. Healthy Home supports provided to families
  - i. 44 Yard-garden kits
  - ii. 45 Dust-buster kits
  - iii. 12 Sandboxes (since April launch) – not including those provided by IH

**4. Findings of Special Studies**

- a. **Long Term Soil Study**
  - i. Another round of testing starts again this September
  - ii. In terms of findings, we are beginning to see trends in 2010-2012 data

**b. Grass Clipping Study**

- i. Samples gathered from 12 properties in Trail were analyzed for metals content.
- ii. Results summarized in the THEP Fall Newsletter

**c. Roof Dust Pilot Project**

- i. Study of 1 roofing project confirmed metals in roof dust
- ii. Key message to homeowners is the importance of using our HRSP
- iii. Program Team planning how best to engage contractors

**5. Community Outreach and Engagement**

- a. Attended Greater Trail Success by 6 Teddy Bear Picnic
- b. Attending Fall Blood Lead Clinic

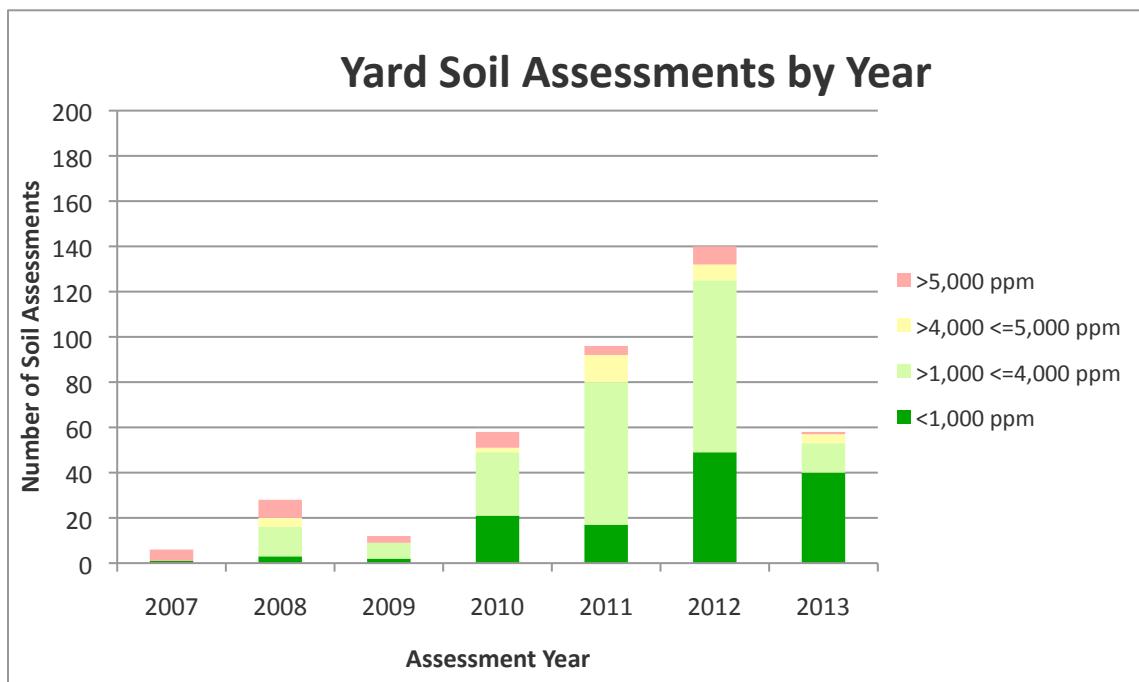


Figure 1. Yard Assessments by Year through August 2013 (2013 partial year).

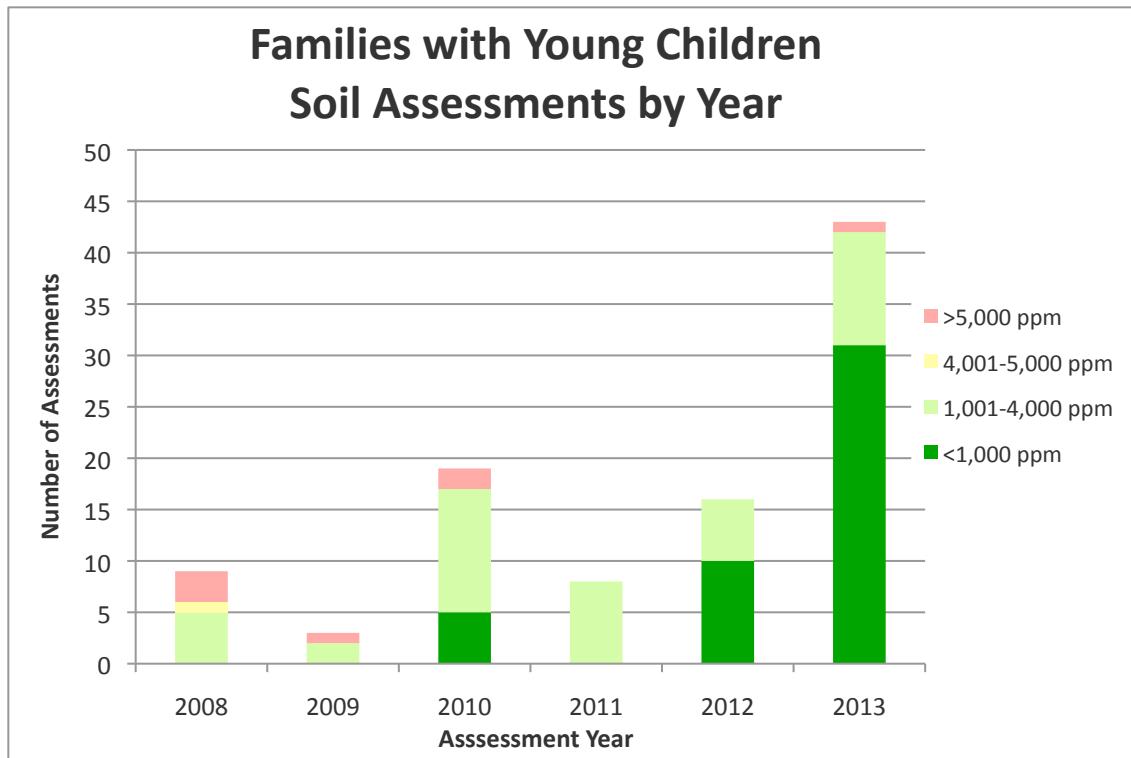


Figure 2. Case Management and Healthy Families Healthy Homes Soil Assessments through August 2013 (2013 partial year).

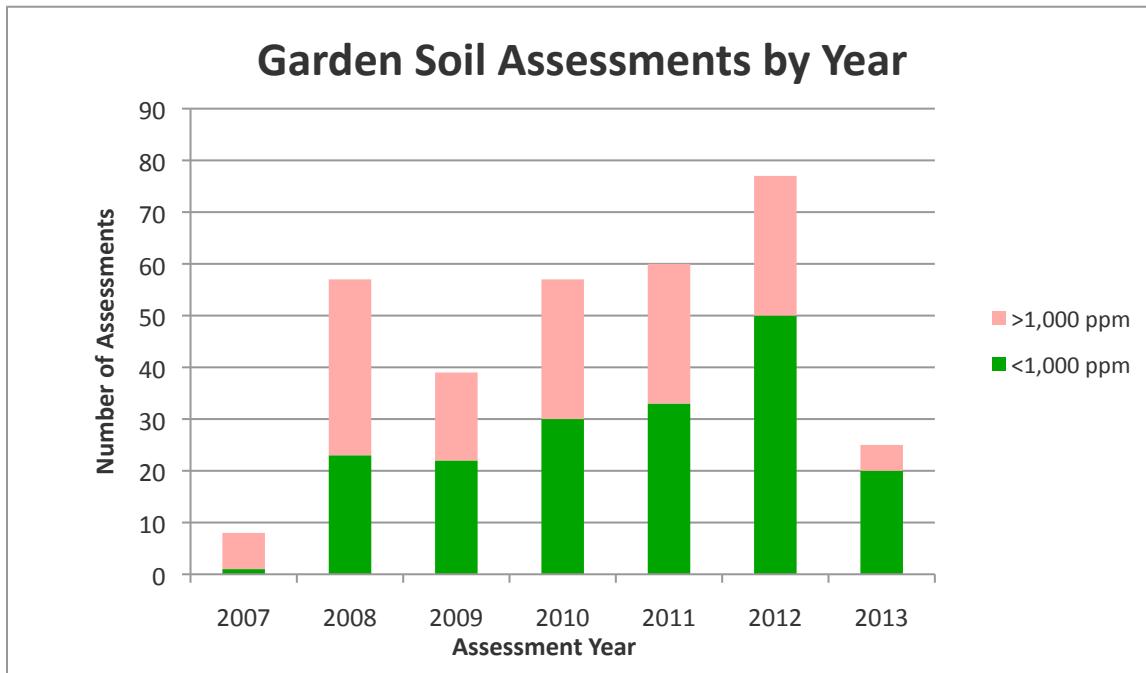


Figure 3. Garden Assessments by Year through August 2013 (2013 partial year).

## Type of Remediation by Year

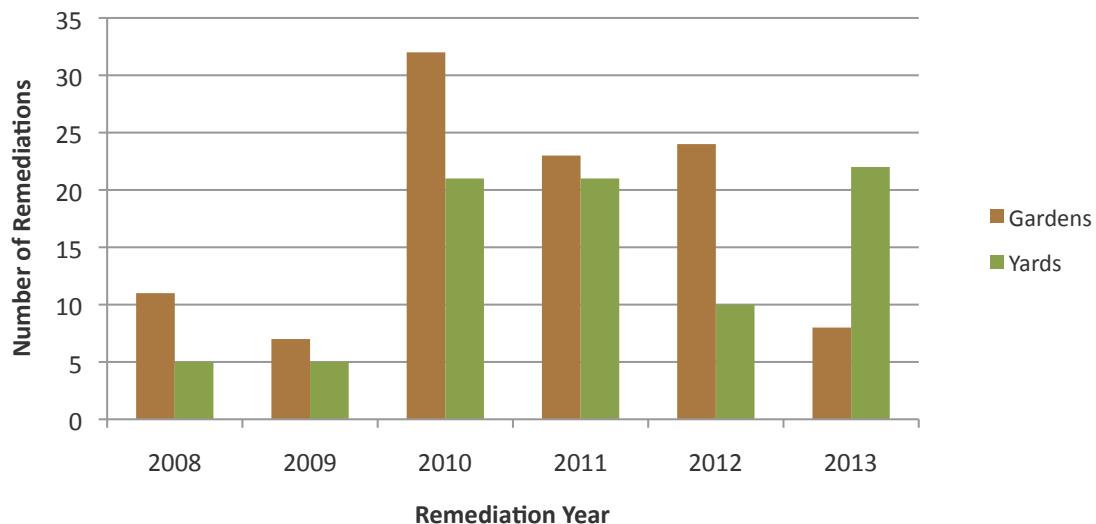


Figure 4. Remediation by Year through August 2013 (2013 partial year).

## **THEP Program Manager's Report**

### **September 10, 2013**

#### **1. Program plan**

- All of us on the Program Team have focused our time to contribute to writing the Program Plan. Over the summer, we worked together to draft the Home & Garden (H&G) section, including operating procedures for different aspects of the H&G Program.

#### **2. Second phase literature review**

- The second phase of the literature review has been approved and is underway. The budget of \$16,000 is being funded by Teck Trail Operations, and includes a visit to Trail to discuss the findings with ourselves and FAN. The literature review focuses on the evidence base around children's healthy development and the effectiveness of home visits, health education and community collaboration. Michele Wiens of the Human Early Learning Partnership (HELP) at UBC is the principal researcher. She has access to research advice from HELP faculty. (FYI, Michele participated in the 1989 lead study in Trail with Dr. Clyde Hertzman). A draft of the literature review was received by the end of August. This draft is being sent to our Trail Area Health & Environment Lit Review Reviewers Group. We will get as much initial feedback as possible during the month of September. I have a call scheduled with the HELP Team on October 1 to respond to questions and plan next steps. Note: the HELP Team included Michele Wiens; Joanne Schroeder, Deputy Director of HELP; and Brenda Poon, Assistant Professor, leader of HELP's early childhood screening research team and co-leader of the "social and life course theme" at UBC's School of Population and Public Health.

#### **3. Communications**

- The newsletter will be distributed to residential and business addresses in Trail and Rivervale early next week. It is also distributed in a personally-addressed envelope to over 200 families from Jeannine's database. In addition, stacks of newsletters are delivered to the City of Trail, the library, and other locations in Trail.